DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

January 16, 2015

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FROM: AFCEC/CIBE – Plattsburgh
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SUBJECT: Revised Final Site Closure Report
Area of Interest 474
Former Griffiss Air Force Base, Rome, New York
Contract No. FA8903-10-D-8595
Delivery Order No. 0014
January 2015

Accompanying this letter please find the "Revised Final Site Closure Report for Area of Interest 474" in relation to work conducted at the Former Griffiss AFB in Rome, New York under the referenced Performance Based Remediation (PBR) contract.

This report has been prepared to present results from the November 2014 groundwater sampling event which was conducted based on a NYSDEC comment provided on May 8, 2014 for the Draft Site Closure Report (February 2014). The Final Site Closure Report was submitted July 2014 prior to the groundwater sampling event.

As a result of the removal of contamination to 2.5 feet below ground surface and confirmatory soil and groundwater sampling data, we request your concurrence with the recommendation for site closure with unrestricted use at Area of Interest 474. Should you have any questions or concerns please contact me at 518-563-2871.

David S. Farnsworth
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REVISED FINAL

SITE CLOSURE REPORT
AREA OF INTEREST 474

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

Air Force Civil Engineer Center
Building 171
2261 Hughes Avenue, Suite 155,
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Prepared by:

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Rome, New York 13441

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Contract Number FA8903-10-D-8595
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LIST OF ACRONYMS AND ABBREVIATIONS

AFCEC	Air Force Civil Engineering Center
AOC	Area of Concern
AOI	Area of Interest
bgs	below ground surface
cy	cubic yard
CQCRs	Chemical Quality Control Reports
FPM	FPM Remediations, Inc.
ft	feet
LUC/IC	Land Use Control/Institutional Control
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
OHSWA	Oneida-Herkimer Solid Waste Authority
PBR	Performance-Based Remediation
PCBs	Polychlorinated Biphenyls
SCOs	Soil Clean up Objectives
SVOCs	Semi-Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
UFP-QAPP	Uniform Federal Policy Quality Assurance Project Plan
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

EXECUTIVE SUMMARY

This Revised Final Site Closure Report has been prepared to present the November 2014 groundwater sampling results. This sampling event was conducted based on a New York State Department of Environmental Conservation (NYSDEC) comment provided on May 8, 2014 for the Draft Site Closure Report for Area of Interest (AOI) 474 (CAPE/FPM, February 2014). The comment is as follows:

- *Recommendations are to close the site, but they do not address the current quality of the groundwater at the site, which is adjacent to a wetland. There are historical exceedances of metals in the groundwater.*

Based on the comment, one groundwater sample was collected from the southwestern portion of the 2013 excavation on November 5, 2014. The sample location is illustrated in Figure 2. Results from the sample showed that metal concentrations except iron and manganese were below the New York State (NYS) Groundwater Standards. These two metals were historically observed that similar concentrations in upgradient monitoring wells associated with the LF002 Landfill 2/3 Long Term Monitoring network and represent background conditions at the base (FPM, February 2012).

Based on the results from this sampling event and the confirmatory soil sampling results, site closure is recommended for AOI 474.

1.0 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE, Inc., under contract with the Air Force Civil Engineering Center (AFCEC), conducted site remediation at Area of Interest (AOI) 474 which included soil stabilization, soil removal, confirmatory soil sampling, and site restoration. This site is adjacent to the LF002 (Landfill 2/3) Area of Concern (AOC) as illustrated in Figure 1. The site is located within the Landfill 2/3 AOC Land Use Control/Institutional Control (LUC/IC) Site boundaries. The work at this site was conducted in accordance with provisions of the Basic Contract #FA8903-10-D-8595 and Delivery Order # 0014.

1.1 SITE BACKGROUND

The site was discovered as a debris pile adjacent to Landfill 2/3 during the 2009 Landfill 2/3 Long Term Monitoring sampling event. The pile was approximately 25 feet (ft) by 25 ft with a height of approximately 2 ft. The pile was also located adjacent to a wetland. Debris within the pile included rusted empty 55-gallon drums, empty glass bottles, and household refuse. It is believed that the debris pile was a result of unauthorized dumping prior to base closure. This site was not identified in the Basewide Environmental Baseline Survey for the Griffiss Air Force Base performed in 1994 and updated in 2005 (Air Force, September 1994 and November 2005).

2.0 SITE DEBRIS REMOVAL AND SOIL SAMPLING

2.1 SITE DEBRIS REMOVAL AND DISPOSAL

The debris pile was removed on March 26, 2012 by FPM personnel using manual equipment. Use of heavy equipment was limited to the use of a skid steer which was utilized for transporting removed waste to a roll-off container staged at the Landfill 2/3 access road. This approach was applied to minimize impacts to the adjacent wetland area. The site debris was disposed of at the Oneida-Herkimer Solid Waste Authority (OHSWA). Site restoration work was minimal since the debris was only found on the surface. Therefore, the extent of site restoration was limited to removal of the debris and final grading of soil sampling locations using hand tools. All field activities were conducted in accordance with the Final Site Debris Removal and Soil Sampling Work Plan for AOI 474 provided to the United States Environmental Protection Agency (USEPA) and NYSDEC in March 2012 (CAPE/FPM, March 2013).

2.2 SOIL SAMPLING

Subsequent soil sampling at the site was conducted on March 27, 2012. After removal of the surface debris, the former debris pile location was divided into four equal sized grid cells for soil sampling. At each grid cell one composite sample comprised of five sample locations (one at the center and four from each corner at a depth interval of 0-2 ft below ground surface (bgs) was collected (Figure 1). In addition, two grab samples each were collected from three locations directly below drums removed from the site. One grab sample was collected from 0 to 1 ft bgs and one grab sample was collected from 1 to 2 ft bgs. The soil samples were analyzed for volatile organic compounds (VOCs) (USEPA Method SW8260), semi-volatile organic compounds (SVOCs) (USEPA Method SW8270), polychlorinated biphenyls (PCBs) (USEPA Method SW8082), metals (USEPA Method SW6010), and pesticides (USEPA Method SW8081). The soil sampling and sample analysis was conducted in accordance with the approved Griffiss Performance-Based Remediation (PBR) Contract Site Wide Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) for Performance Based-Remediation at the former Griffiss AFB, New York, (CAPE/FPM/AECOM, July 2011). The soil sampling data is presented in Table 1.

The soil sampling data was compared to the Title 6 of the New York Codes, Rules, and Regulations (6 NYCRR) Part 375 (NYSDEC, 2006) Residential use Soil Cleanup Objectives (SCOs).

VOCs, PCBs, and Pesticides:
Results showed no exceedances of the 6-NYCRR Part 375 Residential Use SCOs.

SVOCs:
Samples from Quadrant 2 and sampling locations 5 and 6 (0-1 ft bgs) showed SVOC concentrations above 6-NYCRR Part 375 Residential Use SCOs. The SVOCs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene.

Metals:
Samples from Quadrants 1, 2, 3, sampling location 5, 6, and 7 (0 to 1 ft bgs) showed metals concentrations above 6-NYCRR Part 375 Residential Use SCOs and base-wide background metal concentrations (Law, December 1996). The metals included arsenic, barium, cadmium, chromium, copper, lead, nickel, zinc, and mercury.

3.0 AOI 474 REMOVAL ACTION

Site activities conducted for the removal action included in-situ soil treatment, excavation of approximately 60 cubic yards (cy) of SVOCs and metals contaminated soil, confirmatory sampling, and site restoration. The extent of the site is provided in Figure 1.

All site activities were conducted in accordance with the Final Removal Action Plan for AOI 474 (CAPE/FPM, October 2013) and the Final Addenda Griffiss Health and Safety Plan (CAPE/FPM/AECOM, July 2012). In addition, soil sampling and sample analysis was conducted in accordance with the updated 2013 Griffiss PBR Contract Site Wide UFP-QAPP for Performance Based-Remediation at the former Griffiss AFB, New York, (CAPE/FPM/AECOM, May 2013). All daily chemical quality control reports (CQCRs) and daily field reports are attached in Appendix A. Photos taken during the field activities are included in Appendix B.

3.1 IN-SITU SOIL TREATMENT

Soil sampling results from the debris removal indicated that total lead concentrations potentially could result in exceedance of the hazardous waste toxicity characteristic for lead once excavated. Therefore, the entire site was chemically stabilized in-situ on September 9, 2013. The soil stabilization consisted of a chemical reagent application to the ground surface and then mixing with the lead-contaminated soil to ensure adequate reagent contact and distribution throughout the soil. NYSDEC approval of the in-situ soil treatment is provided in Appendix C. The chemical reagent was a blend of monocalcium phosphate (approximately 0.25 % by volume of excavation) and Portland cement approximately (3% by volume of excavation). A total of 280 pounds of monocalcium phosphate and 3,000 pounds of Portland cement were used. A skid steer with an excavator attachment was used to blend the chemical reagent and contaminated soils to a depth of approximately 2 ft bgs.

Following soil stabilization, one composite waste characterization sample was collected on September 12, 2013 and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals and SVOCs. Based on the sampling results, all metals and SVOC concentrations were below the hazardous waste characteristic levels (USEPA, October 2009). As a result, a waste profile for disposal was submitted to OHSWA. The sampling results are provided in Table 2. The raw laboratory data is provided in Appendix D. The approved waste profile form is provided in Appendix E.

Additional sifting of soils was conducted by hand following the soil stabilization on September 16, 2013 to identify any additional debris un-earthed during the chemical reagent mixing. The sifting was conducted with the appropriate personal protective equipment (nitrile gloves, leather

work gloves, duck boots, and Tyvek suits). This field effort did not identify any additional debris.

3.2 SOIL REMOVAL ACTION

The excavation at AOI 474 was conducted on October 29, 2013. The approximate extent of the AOI 474 excavation was 25 ft by 25 ft by 2.5 ft bgs as shown in Figure 1. The excavation was conducted using a tracked bobcat to limit the surface disturbance of the area. During excavation, the soils were placed into the bucket of a backhoe which transported the soils to 20-yard dump trucks at the entrance of the Landfill 2/3 site. Approximately 60 cy of contaminated soils were removed.

The excavation area is flat and is located within a low point, topographically. Therefore, erosion controls were not implemented.

3.3 SOIL DISPOSAL

The soils were disposed of through the OHSWA at the Ava regional landfill in Ava, New York. Signed disposal manifests are provided in Appendix E.

3.4 COMFIRMATORY SOIL SAMPLING

Four composite soil samples were collected from the excavation walls and one composite soil sample was collected from the bottom of the excavation on October 30, 2013. As a result of water seeping out of the walls into the southwestern corner of the excavation, a ground water sample was also collected. The samples were analyzed for metals and SVOCs. Soil sampling results showed all detected metals and SVOC concentrations were below 6-NYCRR Part 375 Residential Use SCOs and Protection of Groundwater SCOs. The groundwater sample results showed exceedances for cadmium (7.8 µg/L), iron (3,700 µg/L), and zinc (4,800 µg/L). However, these exceedances were deemed the result of suspended solids in the sample, and were previously identified in the surface soil samples collected in the southwest quadrant during the 2012 sampling event as presented in Table 1. The exceedances for cadmium and zinc were also within one order of magnitude of the New York State Ground water standards which are 5 µg/L and 2,000 µg/L, respectively. The New York State Ground water standard for iron is 300 µg/L. The confirmatory soil sampling results are presented in Table 3 and the ground water sampling results are presented in Table 4. Raw laboratory data is provided in Appendix D and validated laboratory data is provided in Appendix F.

3.5 SITE RESTORATION

The site was backfilled on December 10, 2013. Additional topsoil was added on May 28, 2014. Backfill and topsoil from Fred Burrows Trucking and Excavating, LLC was used. Prior to use, backfill and topsoil samples were collected at the Fred Burrows facility and analyzed for metals, SVOCs, VOCs, pesticides, and PCBs. The results, presented in Table 5, demonstrated that the backfill was clean and suitable for use. The raw laboratory data is provided in Appendix D.

The backfilled excavation was also seeded on May 28, 2014 with the semi-shade tolerant grass and forb (herbaceous flowering plant that is not a grass, sedge or rush) seed mix. A site inspection in June 2014 showed that vegetation was growing at the restoration excavation. Daily field forms and photos from the site restoration are provided in Appendix A and B, respectively.

4.0 2014 GROUNDWATER MONITORING

A temporary well was installed on November 4, 2014 to 3 ft bgs. The well was a 1-inch polyvinyl chloride pipe with 2 foot screen and was installed in the southwestern corner of the former excavation which exhibited the water seepage during the 2013 removal action. One groundwater sample was collected on November 5, 2014 using a peristaltic pump. The sample was analyzed for filtered metals using EPA Method SW6010C.

Results from the sample showed that metal concentrations except iron and manganese were below the NYS Groundwater Standards. The iron concentration was 13,000 J µg/L and the manganese concentration was 1,000 µg/L. The NYS Groundwater Standards for these metals are both 300 µg/L. The J data qualifier indicates that the concentration is an estimate. These two metals were historically observed that similar concentrations in upgradient monitoring wells associated with the LF002 Landfill 2/3 Long Term Monitoring network and represent background conditions at the base (FPM, February 2012).

Sampling results for both events are presented in Table 4. All field sampling forms are attached in Appendix C. The raw lab data are provided in Appendix D and the validated data are attached in Appendix F.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Site closure is recommended for AOI 474. The site was cleared of all debris in 2012 and all contaminated soils were excavated in 2013. Confirmatory soil samples showed all soil chemical concentrations were below the 6-NYCRR Part 375 Residential Use SCOs. In addition, a groundwater characterization conducted at the site confirmed the absence of groundwater contamination. The site has been backfilled and seeded.

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6.0 REFERENCES

Air Force, *Basewide Environmental Baseline Survey for the Griffiss Air Force Base*, September 1994.

Air Force, *Updated Basewide Environmental Baseline Survey for the Griffiss Air Force Base*, November 2005.

CAPE/FPM, *Draft Site Closure Report for Area of Interest 474 at the former Griffiss AFB, New York,* February 2014

CAPE/FPM, *Final Removal Action Plan AOI 474 at the former Griffiss AFB, New York,* October 2013.

CAPE/FPM, *Final Site Debris Removal and Soil Sampling Report for AOI 474 at the former Griffiss AFB, New York,* January 2013.

CAPE/FPM/AECOM, Updated 2013 *Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York*, May 2013.

CAPE/FPM/AECOM, *Final Addenda Health and Safety Plan for Performance Based-Remediation at the former Griffiss AFB, New York,* July 2012.

EPA, Hazardous Waste Characteristics, October 2009.

FPM Group, Ltd., *Annual Long Term Monitoring Report (June 2009 through May 2010) for Landfill AOCs at the former Griffiss AFB,* February 2012.

Law, Remedial Investigation at the former Griffiss AFB, December 1996.

NYSDEC, *Title 6 of the New York Codes, Rules, and Regulations Part 375,* December 2006.

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Tables

Table 1
AOI 474 2012 Soil Sampling Results

Sample Location				Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4	Sample 5		Sample 6		Sample 7	
Sample Type	**NYCRR Part 375 Residential use Soil Cleanup Objectives**	**NYCRR Part 375 Commercial use Soil Cleanup Objectives**	**NYCRR Part 375 Industrial use Soil Cleanup Objectives**	**Composite**	**Composite**	**Composite**	**Composite**	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**
Sample ID				**UNK10101AA**	**UNK10201AA**	**UNK10301AA**	**UNK10401AA**	**UNK10501AA**	**UNK10502AA**	**UNK10601AA**	**UNK10602AA**	**UNK10701AA**	**UNK10702AA**
Date of Collection				**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**
Sample Depth (ft bgs)				**0-2**	**0-2**	**0-2**	**0-2**	**0-1**	**1-2**	**0-1**	**1-2**	**0-1**	**1-2**
VOCs (µg/Kg)													
All VOCs were non-detect.													
SVOCs (µg/Kg)													
acenaphthene	100,000	500,000	1,000,000	31 J	40 J	33 J	U	U	U	1,300 J	32 J	U	U
acenaphthylene	100,000	500,000	1,000,000	42 J	130 J	U	U	U	U	U	U	U	U
anthracene	100,000	500,000	1,000,000	86 J	230 J	91 J	U	110 J	U	2,900 J	93 J	44 J	U
atrazine	--	--	--	U	U	U	U	U	U	U	U	U	U
benzaldehyde	--	--	--	U	U	U	U	U	U	U	U	U	U
benzidine	--	--	--	U	U	U	U	U	U	U	U	U	U
benzo(a)anthracene	1,000	5,600	11,000	270 J	740	190 J	U	350 J	U	**3,200**	210 J	64 J	U
benzo(a)pyrene	1,000	1,000	1,100	370 J	890	250 J	U	660 J	71 J	**2,300**	200 J	140 J	U
benzo(b)fluoranthene	1,000	5,600	11,000	770 J	**2,000 J**	460 J	640 J	**3,000 J**	160 J	**3,800 J**	340 J	740 J	130 J
benzo(k)fluoranthene	1,000	56,000	110,000	UJ	U	U J	U J	U J	U J	U J	U J	U J	U J
benzo(g,h,i)perylene	100,000	500,000	1,000,000	280 J	860	230 J	U	1,300 J	34 J	1,200 J	89 J	400 J	U
benzyl alcohol	--	--	--	52 J	83 J	130 J	100 J	U	17 J	J	24 J	40 J	26 J
bis(2-chloroethoxy) methane	--	--	--	U	U	U	U	U	U	U	U	U	U
bis(2-chloroethyl) ether	--	--	--	U	U	U	U	U	U	U	U	U	U
bis(2-chloroisopropy) ether	--	--	--	U	U	U	U	U	U	U	U	U	U
benzoic acid	--	--	--	U	1,900 J	4,400	U	U	U	U	U	U	U
bis(2-ethylhexyl) phthalate	--	--	--	U	U	U	U	U	99 J	540 J	100 J	U	110 J
benzyl butyl phthalate	--	--	--	U	U	U	U	U	U	U	U	130 J	U
caprolactam	--	--	--	U	U	U	U	U	U	U	U	U	U
carbazole	--	--	--	U	170 J	U	U	U	U	1,400 J	56 J	U	U
chrysene	1,000	56,000	110,000	370 J	**1,100**	250 J	U	920 J	U	**2,900**	200	280 J	U
di-n-butyl phthalate	--	--	--	U	U	100 J	290 J	U	U	U	U	900	U
di-n-octyl phthalate	--	--	--	U	U	U	U	U	U	U	U	U	U
dibenz(a,h)anthracene	330[e]	560	1,100	230 J	**360 J**	210 J	U	**920 J**	U	**970 J**	140 J	210 J	U
dibenzofuran	--	--	--	40 J	120 J	U	U	U	U	1,600 J	36 J	U	U
diethyl phthalate	--	--	--	U	U	U	U	U	U	U	U	U	U
dimethyl phthalate	--	--	--	U	U	U	U	U	U	U	U	U	U
fluoranthene	100,000	500,000	1,000,000	640	2,100	380 J	U	340 J	U	7,500	380	110 J	U
fluorene	100,000	500,000	1,000,000	46 J	100 J	49 J	U	U	U	1,800 J	38 J	U	U

Table 1
AOI 474 2012 Soil Sampling Results

Sample Location				Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4	Sample 5		Sample 6		Sample 7	
Sample Type	**NYCRR Part 375 Residential use Soil Cleanup Objectives**	**NYCRR Part 375 Commercial use Soil Cleanup Objectives**	**NYCRR Part 375 Industrial use Soil Cleanup Objectives**	**Composite**	**Composite**	**Composite**	**Composite**	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**
Sample ID				**UNK10101AA**	**UNK10201AA**	**UNK10301AA**	**UNK10401AA**	**UNK10501AA**	**UNK10502AA**	**UNK10601AA**	**UNK10602AA**	**UNK10701AA**	**UNK10702AA**
Date of Collection				**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**	**3/27/2012**
Sample Depth (ft bgs)				**0-2**	**0-2**	**0-2**	**0-2**	**0-1**	**1-2**	**0-1**	**1-2**	**0-1**	**1-2**
VOCs (µg/Kg)													
All VOCs were non-detect.													
SVOCs (µg/Kg)													
hexachlorobenzene	--	--	--	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	--	--	--	U	U	U	U	U	U	U	U	U	U
hexachlorocyclapentadiene	--	--	--	U	U	U	U	U	U	U	U	U	U
hexachloroethane	--	--	--	U	U	U	U	U	U	U	U	U	U
indeno(1,2,3-c,d)pyrene	500	5,600	11,000	310 J	**760**	190 J	U	**1,300 J**	83 J	**1,300 J**	120 J	330 J	U
isophorone	--	--	--	U	U	U	U	U	U	U	U	U	U
n-nitrosodimethylamine	--	--	--	U	U	U	U	U	U	U	U	U	U
n-nitrosodiphenylamine	--	--	--	U	U	U	U	U	U	U	U	U	U
n-nitrosopyrrolidine	--	--	--	U	U	U	U	U	U	U	U	U	U
n-nitrosodi-n-propylamine	--	--	--	U	U	U	U	U	U	U	U	U	U
naphthalene	100,000	500,000	1,000,000	U	U	U	U	U	U	U		U	U
nitrobenzene	--	--	--	U	U	U	U	U	U	U	U	U	U
pentachlorophenol	2,400	6,700	55,000	U	U	U	U	U	U	U	U	U	U
phenanthrene	100,000	500,000	1,000,000	470 J	1,400	290 J	U	150 J	U	10,000	320 J	74 J	U
phenol	100,000	500,000	1,000,000	U	U	U	U	U	U	130 J	U	U	U
pyrene	100,000	500,000	1,000,000	550 J	1,600	320 J	88 J	370 J	U	5,900	320 J	95 J	U
1,2,3,4-tetrachlorobenzene	--	--	--	U	U	U	U	U	U	U	U	U	U
2,3,4,6-tetrachlorophenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2,4,5-trichlorophenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2,4,6-trichlorophenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2,4-dichlorophenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2,4-dimethylphenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2,4-dinitrophenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2-chlorophenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2-methylphenol	--	--	--	U	U	U	U	U	U	U	U	U	U
2-nitrophenol	--	--	--	U	U	U	U	U	U	U	U	U	U
4,6-dintro-2-methylphenol	--	--	--	U	U	U	U	U	U	U	U	U	U
4-chloro-3-methylphenol	--	--	--	U	U	U	U	U	U	U	U	U	U
4-methylphenol	--	--	--	U	U	U	U	U	U	U	U	U	U

Notes:
B - Result is a positive value, however, the analyte was detected in an associated blank above the RL.
F - The analyte was positively identified above the MDL, however, the concentration is below the RL.
J - The analyte was positively identified, but the quantitation is an estimation.
M - A matrix effect was present.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
UJ - The analyte was analyzed for, but not detected. The quantitation is an approximation.
Bold Indicates an exceedance of the NYCRR Part 375 Residential use Soil Cleanup Objective
-- - No NYCRR Part 375 Soil Cleanup Objective is known for this compound.

Table 1
AOI 474 2012 Soil Sampling Results

Sample Location	NYCRR Part 375 Residential use Soil Cleanup Objectives	NYCRR Part 375 Commerical use Soil Cleanup Objectives	NYCRR Part 375 Industrial use Soil Cleanup Objectives	Background Screening Level	Quadrant 1 Composite	Quadrant 2 Composite	Quadrant 3 Composite	Quadrant 4 Grab	Sample 5		Sample 6		Sample 7	
Sample Type									Grab	Grab	Grab	Grab	Grab	Grab
Sample ID					UNK10101AA	UNK10201AA	UNK10301AA	UNK10401AA	UNK10501AA	UNK10502AA	UNK10601AA	UNK10602AA	UNK10701AA	UNK10702AA
Date of Collection					3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012
Sample Depth (ft bgs)					0-2	0-2	0-2	0-2	0-1	1-2	0-1	1-2	0-1	1-2
Metals (mg/kg)														
aluminum	--	--	--	18,306	2,300	2,800	2,200	2,500	3,300	4,500	3,100	5,700	2,900	5,100
antimony	--	--	--	3.4 U	6	1.1	3.9	0.22 J	0.74	0.26 J	0.16 J	U	0.98	U
arsenic	16	16	16	4.9	**30**	11	**28**	4.4	16	0.86	3.1	0.36	9.2	0.41 J
barium	350	400	10000	71	**3,400**	200	50	17	**490**	18	48	13	**360**	18
berylium	14	590	2,700	0.65	0.069 J	0.098 J	0.078 J	0.070 J	0.1 J	0.150	0.062 J	0.120	0.150	0.200
boron - total	--	--	--	--	U	U	U	U	U	1.8 J	2.2 J	1.6 J	U	1.9 J
cadmium	3	9.3	60	1.1 U	**5**	**6.7**	3	0.76 Q	1	0.28	**3.10**	0.47	1.8 Q	U
calcium	--	--	--	23,821	990	1,900	620	160	300	150	630	230	320	150
chromium	36	1,500	6,800	22.6	**96 J**	11	**72**	15	**37**	4.8	5.2	4.8	20	8.5
cobalt	--	--	--	19	28 J	9.1	22	2.2	6.0	1.2	1.4	1.6	7.2	1.9
copper	270	270	10,000	43.8	**330**	56	250	58	74	5.4	28	3.9	270	4.1
iron	--	--	--	47,350	240,000	200,000	250,000	57,000	77,000	6,900	14,000	5,300	58,000	2,100
lead	400	1,000	3,900	36	**800**	**1,800**	380	99	**5,100**	81	96	8.3	**1,100**	3.3
magnesium	--	--	--	7,175	200	310	230	240	250	910	220	1,400	150	590
manganese	2,000	10000	10000	2,106	1,800	350	1,100	95	360	38	410	250	280	44
molybdenum	--	--	--	6 U	5	1.3	11	2.9	3.4	0.1 J	0.410	0.067 J	3	0.11
nickel	140	310	10000	46	**180**	18	87	12	22	3.6	5.4	4.6	25	6.7
potassium	--	--	--	1,993	150 J	220 J	150 J	220 J	270 J	680	240	610	180 J	730
selenium	36	1,500	6,800	0.34	0.32 J	0.9	0.28 J	0.7 J	0.75 J	0.37 J	0.68 J	0.27J	0.67	0.64
silver	36	1,500	6,800	1.1U	0.880	0.320	0.240	0.250	0.290	U	0.092 J	U	0.120	0.065
sodium	--	--	--	259	U	U	U	U	U	U	U	U	U	U
thallium	--	--	--	0.5 U	0.099 J	0.110 J	0.092 J	0.086 J	0.120 J	0.040 J	0.062 J	0.038 J	0.078 J	0.043
strontium	--	--	--											
vanadium	--	--	--	36	5.2 J	5.7	5.5	11	7	4.8	5.5	7.3	15	9
zinc	2,200	10000	10000	120	**3,700**	1,600	1,400	100	110	21	620	250	320	70
mercury	0.81	3	6	0.1 U	**0.82**	**15**	0.19	0.11	**0.83**	0.023 J	0.57	0.019 J	0.100	0.056
PCBs (µg/kg)														
Aroclor 1016	1,000	1,000	25,000	--	U	U	U	U	U	U	U	U	U	U
Aroclor 1221	1,000	1,000	25,000	--	U	U	U	U	U	U	U	U	U	U
Aroclor 1232	1,000	1,000	25,000	--	U	U	U	U	U	U	U	U	U	U
Aroclor 1242	1,000	1,000	25,000	--	U	U	U	U	U	U	U	U	U	U
Aroclor 1248	1,000	1,000	25,000	--	U	U	U	U	U	U	U	U	U	U
Aroclor 1254	1,000	1,000	25,000	--	U	U	U	U	U	U	U	U	11 J	U
Aroclor 1260	1,000	1,000	25,000	--	U	U	U	U	U	U	U	U	U	U

Table 1
AOI 474 2012 Soil Sampling Results

Sample Location	NYCRR Part 375 Residential use Soil Cleanup Objectives	NYCRR Part 375 Commerical use Soil Cleanup Objectives	NYCRR Part 375 Industrial use Soil Cleanup Objectives	Background Screening Level	Quadrant 1 Composite	Quadrant 2 Composite	Quadrant 3 Composite	Quadrant 4 Grab	Sample 5		Sample 6		Sample 7	
Sample Type									Grab	Grab	Grab	Grab	Grab	Grab
Sample ID					UNK10101AA	UNK10201AA	UNK10301AA	UNK10401AA	UNK10501AA	UNK10502AA	UNK10601AA	UNK10602AA	UNK10701AA	UNK10702AA
Date of Collection					3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012
Sample Depth (ft bgs)					0-2	0-2	0-2	0-2	0-1	1-2	0-1	1-2	0-1	1-2
Pesticides (µg/kg)														
alpha BHC (Alpha Hexachlorocycloh	97	3,400	6,800	--	U	U	U	U	U	U	U	U	U	U
beta BHC (Beta Hexachlorocyclohex	72	3,000	14,000	--	U	U	U	U	U	U	U	U	U	U
delta BHC (Delta Hexachlorocyclohe	100,000	500,000	1,000,000	--	U	U	U	U	U	U	U	U	U	U
gamma BHC (Lindane)	--	--	--	--	U	U	U	U	U	U	U	U	U	U
alpha-Chlordane	910	24,000	47,000	--	U	U	U	U	U	U	U	U	U	U
gamma-Chlordane	--	--	--	--	U	U	U	U	U	U	U	U	U	U
p,p'-DDD	2,600	92,000	180,000	--	2 J	U	U	U	U	U	U	U	U	U
p,p'-DDE	1,800	62,000	120,000	--	13	0.52 J	1.1 J	1.7 JQ	2 J	U	U	U	5.6	U
p,p'-DDT	1,700	7,900	94,000	--	56	5 J	U	2.1 JQ	1.5 J	U	2.5 J	U	15	U
aldrin	19	680	1,400	--	U	U	U	U	U	U	U	U	U	U
dieldrin	39	1,400	2,800	--	0.74 J	U	U	U	U	U	U	U	0.39 J	U
endosulfan I	4,800	200,000	920,000	--	U	U	U	U	U	U	U	U	U	U
endosulfan II	4,800	200,000	920,000	--	U	U	U	U	U	U	U	U	U	U
endosulfan sulfate	4,800	200,000	920,000	--	U	U	U	U	U	U	U	U	U	U
endrin	2,200	89,000	410,000	--	U	U	U	U	U	U	U	U	U	U
endrin aldehyde	--	--	--	--	U	U	U	U	U	U	U	U	U	U
endrin ketone	--	--	--	--	U	U	U	U	U	U	U	U	U	U
heptachlor	--	--	--	--	U	U	U	U	U	U	U	U	U	U
heptachlor epoxide	--	--	--	--	U	U	U	U	U	U	U	U	U	U
methoxychlor	--	--	--	--	2.6 J	U	U	U	U	U	U	U	U	U
toxaphene	--	--	--	--	U	U	U	U	U	U	U	U	U	U
toxaphene	--	--	--	--	U	U	U	U	U	U	U	U	U	U

Notes:
B - Result is a positive value, however, the analyte was detected in an associated blank above the RL.
F - The analyte was positively identified above the MDL, however, the concentration is below the RL.
J - The analyte was positively identified, but the quantitation is an estimation.
M - A matrix effect was present.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
UJ - The analyte was analyzed for, but not detected. The quantitation is an approximation.
Indicates an exceedance of the NYCRR Part 375 Residential use Soil Cleanup Objective
-- - No NYCRR Part 375 Soil Cleanup Objective or Background Screening Level is known for this compound.

Table 2
AOI 474 TCLP Sampling Results

Sample Location	**Maximum Concentration of Contaminants for the Toxicity Characteristic**	**Reporting Limit**	**AOI 474**
Sample ID			**AOI474TCLP02AA**
Date of Collection			**9/12/2013**
Sample Depth (ft bgs)			**0-2**
TCLP Analytes (mg/L)			
Mercury	0.2	0.00003	U
Arsenic	5	0.022	U
Barium	100	0.002	0.064 J
Cadmium	1	0.002	0.014 J
Chromium	5	0.003	U
Lead	5	0.013	0.021 J
Selenium	1	0.024	U
Silver	5	0.004	U
2-Methylphenol (o-cresol)	200	0.0096	U
3 & 4 Methylphenol (m,p-cresol)	200	0.0025	U
Total Cresols	200	0.0025	U
1,4-Dichlorobenzene	7.5	0.0031	U
2,4-Dinitrotoluene	0.13	0.016	U
Hexachlorobenzene	0.13	0.0065	U
Hexachlorobutadiene	0.5	0.032	U
Hexachloroethane	3	0.021	U
Nitrobenzene	2	0.0079	U
Pentachlorophenol	100	0.2	U
Pyridine	5	0.011	U
2,4,6-Trichlorophenol	400	0.0027	U
2,4,5-Trichlorophenol	2	0.0043	U

Notes:
J - The analyte was positively identified, but the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

Table 3
AOI 474 Confirmatory Soil Sampling Results

Sample Location Sample ID Date of Collection	NYCRR Part 375 Residential use Soil Cleanup Objectives	NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives	Background Screening Level	North Wall AOI474NW0102AA 10/30/2013	East Wall AOI474EW0102AA 10/30/2013	West Wall AOI474WW0102AA 10/30/2013	South Wall AOI474SW0102AA 10/30/2013	Bottom AOI474BT0103AA 10/30/2013
Sample Depth (ft bgs)				**0-2.5**	**0-2.5**	**0-2.5**	**0-2.5**	**2.5**
SVOCs (µg/kg)								
dimethyl phthalate	--	--	--	190 J	100 J	180 J	230 J	250 J
Metals (mg/kg)								
aluminum	--	--	18,306	7,800 J	5,100	5,500	7,500	5,800
antimony	--	--	3.4 U	U	U	U	U	U
arsenic	16	16	4.9	U	U	0.84 J	1.1 J	1.5 J
barium	350	820	71	20	13	11	16	22
berylium	14	47	0.65	0.25 J	0.18 J	0.2 J	0.27 J	0.21 J
boron - total	--	--	--	2.2 J	1.4 J	1.6 J	1.8 J	2.1 J
cadmium	2.5	7.5	1.1 U	0.25 J	0.17 J	0.12 J	0.079 J	0.47 J
calcium	--	--	23,821	560	410	300	480	1,800
chromium	22	19	22.6	7.3	4.4	5	7	6.2
cobalt	--	--	19	3	1.8	1.9	3.0	2.3
copper	270	17,200	43.8	5.3 J	2.4 J	4.2 J	5.2 J	15
iron	--	--	47,350	8,400 J	5,200	6,000	8,700	9,000
lead	400	450	36	6.8	3.4	2.6	2.6	28
magnesium	--	--	7,175	2,400	1,400	1,600	2,400	1,800
manganese	2,000	2,000	2,106	68	39	43	65	66
molybdenum	--	--	6 U	U	U	U	U	U
nickel	140	130	46	9.8	5.6	6.4	9.9	8
potassium	--	--	1,993	900 J	580	700	820	800
selenium	36	4	0.34	U	U	U	U	U
silver	36	8.3	1.1U	U	U	U	U	U
sodium	--	--	259	U	U	U	U	U
thallium	--	--	0.5 U	U	U	U	U	U
strontium	--	--	--	2.7	1.9	1.5	2	10
vanadium	--	--	36	9.5	6	6.9	10.0	10
zinc	2,200	2,480	120	110 J	30	29	32	130
mercury	0.81	0.73	0.1 U	0.0230	0.0230	0.0260	0.0076	0.0093

Notes:
J - The analyte was positively identified, but the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
Indicates an exceedance of the NYCRR Part 375 Residential use Soil Cleanup Objective
-- - No NYCRR Part 375 Soil Cleanup Objective or Background Screening Level is known for this compound.

Table 4
AOI 474 Groundwater Sampling Results

Sample ID	NYS	72SCS09W04AA	AOI474TW0102AA
Date of Collection	Groundwater	5/16/2013	11/5/2014
Sample Depth (ft bgs)	Standards	2	2
Metals (µg/L)			
aluminum	--	7,100	5,000 J
antimony	3	U	U
arsenic	25	5.3 J	9.2 J
barium	1,000	160	50
berylium	3	0.59 J	U
boron - total	1,000	37	22 J
cadmium	5	7.8	0.59 J
calcium	--	39,000	38,000
chromium	50	6.4	5.6 J
cobalt	--	14	21
copper	200	U	35
iron	300	3,700	13,000 J
lead	25	U	3.5 J
magnesium	35,000	6,000	5,900
manganese	300	0.34	1,000
molybdenum	--	U	3.3
nickel	100	37	18 J
potassium	--	6,100	1,700
selenium	10	U	U
silver	50	U	U
sodium	20,000	5,200	4,000 J
thallium	0.5	U	U
strontium	--	160	130
vanadium	--	11	9.9 J
zinc	2,000	4,800	250
mercury	0.7	0.1	0.051 J

Notes:
J - The analyte was positively identified, but the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
- Exceedance of the NYS Ground Water Standards or Guidance Values.

Table 5

AOI 474 Backfill Soil Sampling Results

Sample ID	NYCRR Part 375 Residential use	AOI474BF
Date of Collection	Soil Cleanup Objectives	10/25/2013
VOCs (µg/kg)		
Methylene chloride	--	4.8 JB
SVOCs (µg/kg)		
benzo(a)anthracene	1,000	23 J
benzo(a)pyrene	1,000	22 J
benzo(b)fluoranthene	1,000	28 J
dimethyl phthalate	--	100 J
fluoranthene	100,000	40 J
phenanthrene	100,000	20 J
pyrene	100,000	37 J
Metals (mg/kg)		
aluminum	--	5,300
arsenic	16	3.9
barium	350	24
berylium	14	0.26 J
boron - total	--	2.2 J
cadmium	3	0.11 J
calcium	--	12,000
chromium	22	5.2
cobalt	--	4
copper	270	14
iron	--	11,000
lead	400	5
magnesium	--	3,200
manganese	2,000	420
molybdenum	--	U
nickel	140	U
potassium	--	770
selenium	36	U
silver	36	U
sodium	--	U
thallium	--	U
strontium	--	19
vanadium	--	9.5
zinc	2,200	29
mercury	0.81	0.013 J
Pesticides (µg/kg)		
p,p'-DDE	1,800	0.86 J

Notes:

J - The analyte was positively identified, but the quantitation is an estimation.

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

Indicates an exceedance of the NYCRR Part 375 Residential use Soil Cleanup Objective

-- - No NYCRR Part 375 Soil Cleanup Objective or Background Screening Level is known for this compound.

Figures

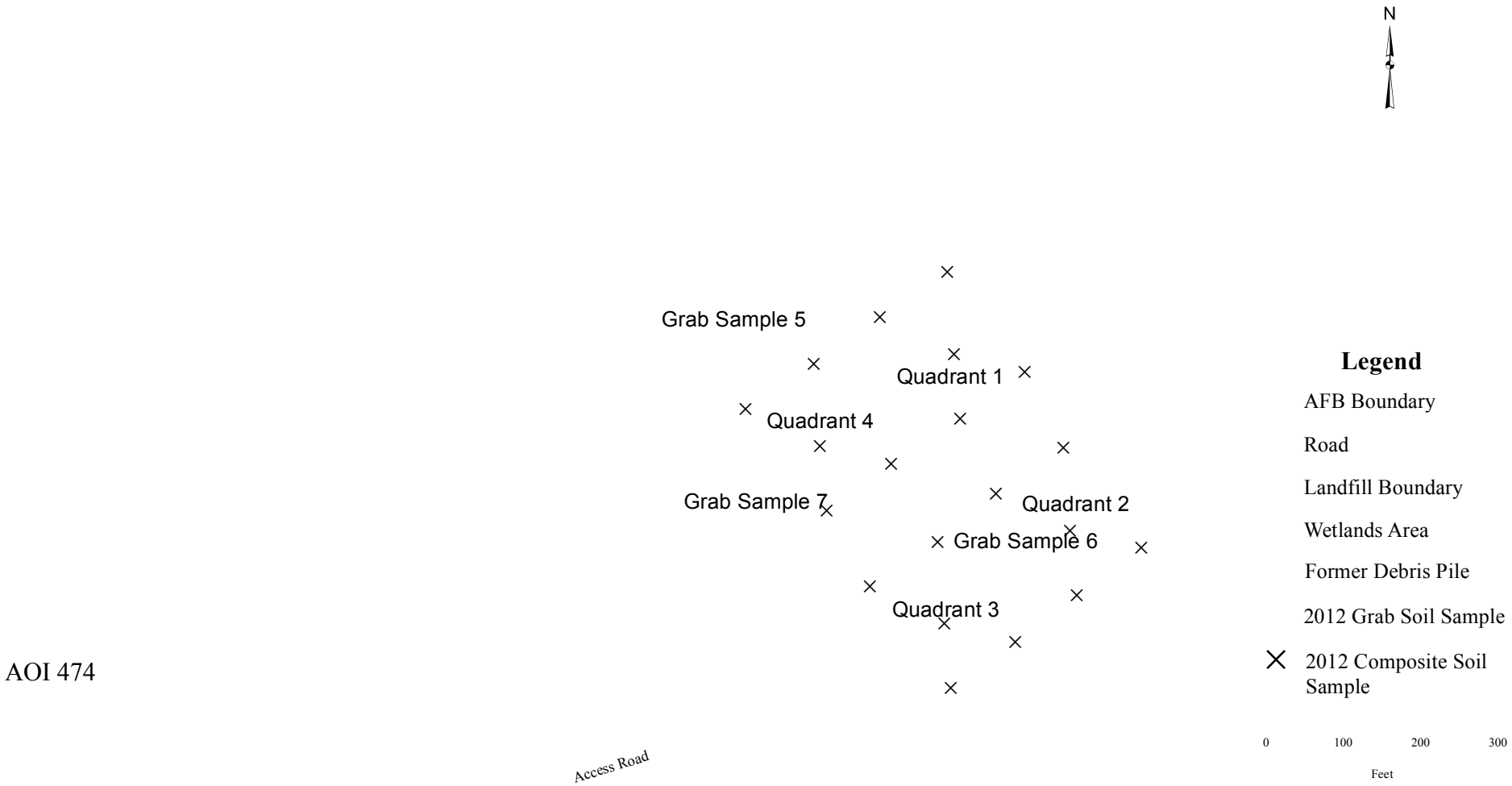
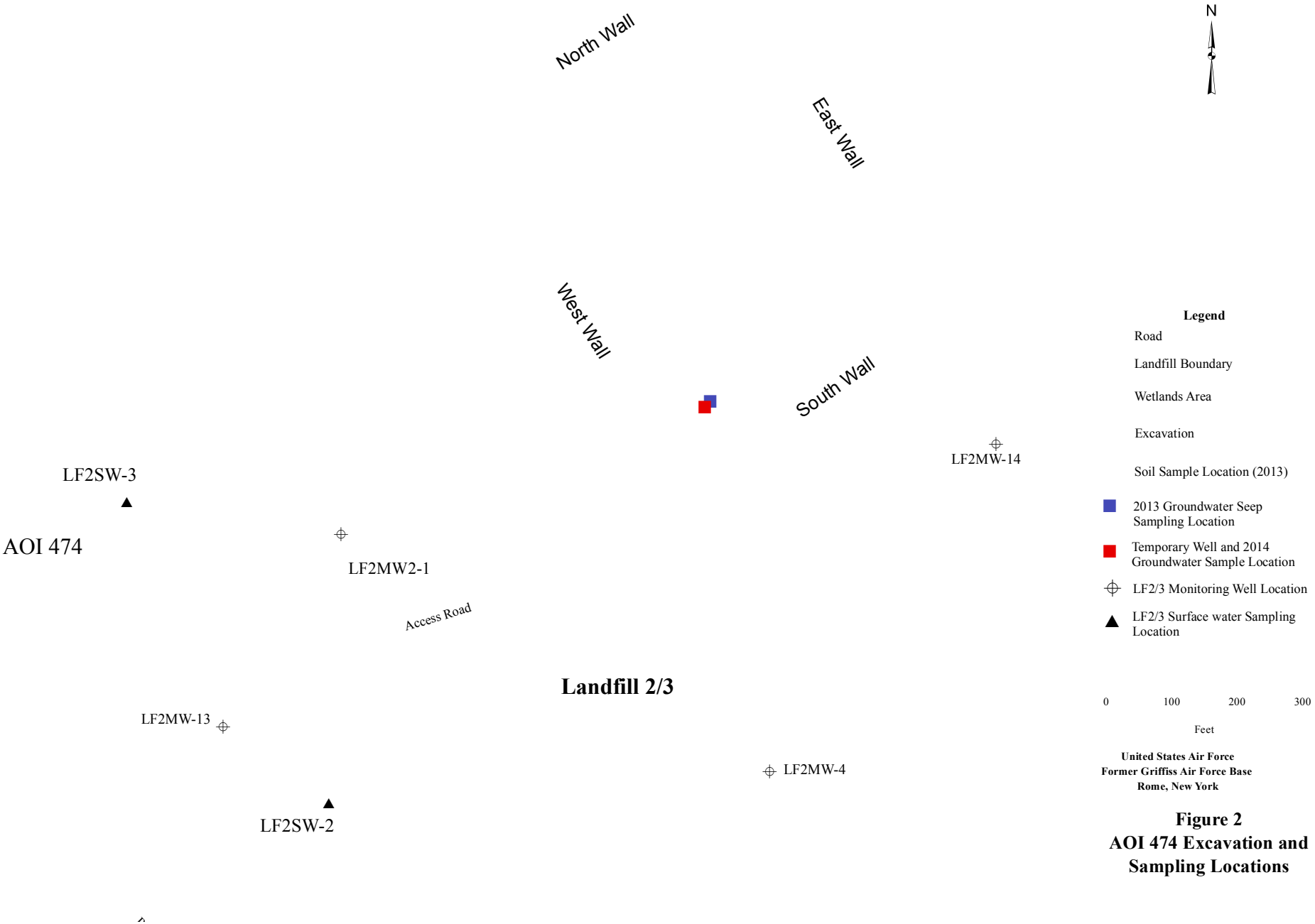


Figure 1
AOI 474 Site Layout
and
2012 Soil Sampling
Locations

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United States Air Force
Former Griffiss Air Force Base
Rome, New York

Figure 2
AOI 474 Excavation and Sampling Locations

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Appendix A

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 9/9/13

SITE: AOI 474 @ LF 2/3 AOC

Weather	AM	PM
Temperature (F)	64°F	72°F
Wind Direction/Speed	SE / 5mph	S / 8mph
Precipitation	NONE	NONE
Conditions (i.e. sun, clouds)	Sun	sun

FPM Personnel on-site:

Peter Morat, Jake Ratti, Josh Wenzel

Visitors:

Organization	Names
	NONE

Equipment on Site
Bobcat Mini Excavator
Hand tools (shovels)
Work Trucks / Dump Trailer

Deliveries	Quantity
Bobcat Mini Excavator	1
Sakrete	60 bags @ 50lbs/bag [redacted] 3000lbs
Monoammonium Phosphate	280lbs

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK
DATE: 9/9/13
SITE: AOI 474 @ LF 2/3 AOC

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)	N/A		
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

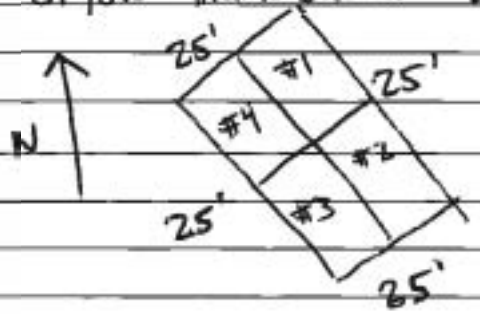
Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water	N/A		
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Soil Mixing at AOI 474 @ [redacted] LF 2/3.
JP/JW mark out a 25'x25' square w/ 4 quadrants within.



Beginning in Quadrant #4, spread [redacted] Sakrete + monoammonium phosphate on surface of soil. PM mixes soil down to 2ft bgs w/ mini excavator. Repeat same process in remaining quadrants. Decon. equipment after use.

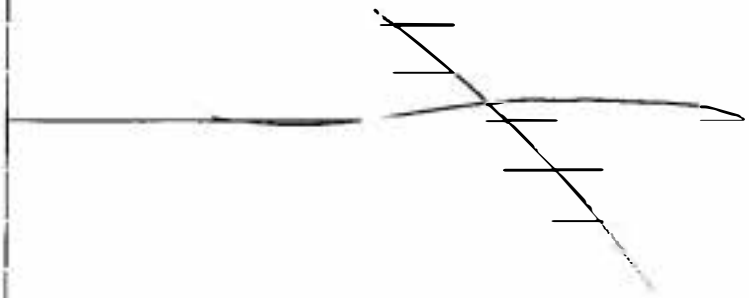
DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

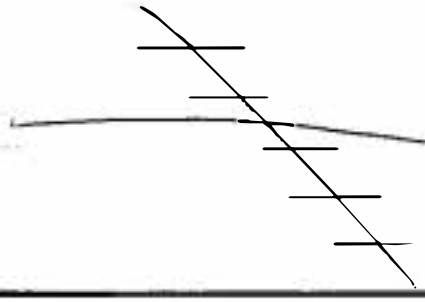
DATE: 9/9/13

SITE: AOI 4/24 @ LF 2/3 AOC

WORK ACTIVITIES CONDUCTED:



WORK ACTIVITIES COMPLETED TODAY:



COMMENTS/QUESTIONS:

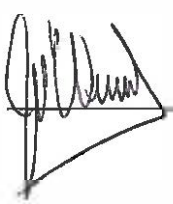
NONE

SAFETY ISSUES:

NONE

Health & Safety Meeting Conducted prior to work.

Report Completed by: Jack Wenzel



Daily Health and Safety Meeting Form

Date: 9/9/13 *Time :* 0800

Location: FPM office (sample room)

Weather Conditions: sunny / 70°

Meeting Type: Daily Health and Safety

Personnel Present:
Peter Morat, Josh Wenzel, Jake Pratt

Visitors Present: None

Visitor Training: None

PPE Required: ModifiedD

Possible risks, injuries, concerns:
dust inhalation, biological, slip / trip / fall, back hoe on site

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):
None

Property Damage:
None

Description (include sequence of events describing step by step how incident happened):
None

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):
None

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 9/12/13

SITE: AOI 474 @ LF 2/3 AOC

Weather	AM	PM
Temperature (F)	71° F	77°F
Wind Direction/Speed	SE / 5mpH	W / 6 mpH
Precipitation	NONE	NONE
Conditions (i.e. sun, clouds)	Partly Cloudy	Cloudy

FPM Personnel on-site:

Jake Gatt, Dan Baldyga, Josh Wenzel

Visitors:

Organization	Names
NONE	

Equipment on Site
Hand tools (shovels)
Schonstedt Metal Detectors (2)

Deliveries	Quantity
NONE	

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 9/12/13

SITE: AOI 474 @ LF 2/3 AOC

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)		NONE	
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

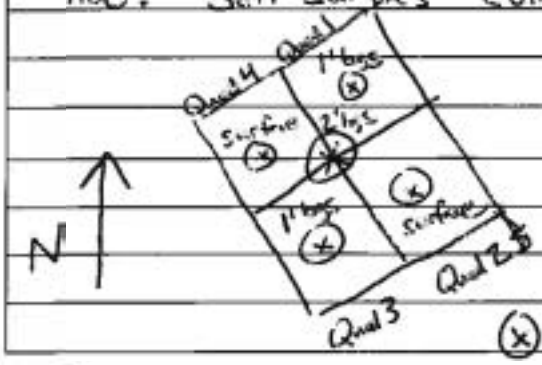
Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil	5 (Filled 2 8oz. jars)	Composite	TCLP SVOCs/TCLP Metals
Surface water			
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Collect TCLP VOCs & TCLP Metals sample at AOI 474 @ LF 2/3 AOC. Soil samples collected from surface, 1ft bgs & 2 ft bgs. Soil from each sampling location was put in a ziplock bag, mixed, and then put into 2 8oz jars.



DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 9/12/13

SITE: AOI 474 @ LF 2/3 AOC

WORK ACTIVITIES CONDUCTED:

Prior to soil sample collection, FPM attempts to locate ~~[redacted]~~ any large metal anomalies that remained in the soil pile using Schonstedt Metal detectors. Due to high volume of metal remaining in the soil pile, Schonstedts ~~were~~ not able to isolate large metal pieces. Soil pile will need to be sifted by hand to separate ~~[redacted]~~ remaining foreign debris.

COMMENTS/QUESTIONS:

NONE

SAFETY ISSUES:

NONE

Health & Safety Meeting Conducted prior to work.

Report Completed by: Josh Wenzel

Daily Chemical Quality Control Report

Project/Delivery Order Number: 1015-11-01 Date: 9/12/2013

Project Name/Site Number: Griffiss Mod AOI 474 TCLP Soil Sampling

Weather conditions: Temperature: 75 F Barometric reading: 30.15
Wind speed and direction: W/5mph
Significant wind changes: none

General description of tasks completed: TCLP Metals and TCLP SVOCs soil samples collected within the AOI 474 boundary.

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.
None

Sampling shipment completed: √ Yes □ No Airbill #: ....

DCQCR Prepared by: Daniel Baldyga Date: 9/12/13

CQCC Signature: Date: 9/12/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
✓	Field sampling forms
✓	Copies of COCs
✓	SDG Table (See accompanying COCs).
✓	Daily Health and Safety Meeting Form

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 UNK Sampled by: DB, JP, JW

Site and Site Code (**SITEID**): AOI 474

Sampling Location ID. (**LOCID**): TCLP AOI 474

Date (**LOGDATE**): 9/12/13 Time: 1030

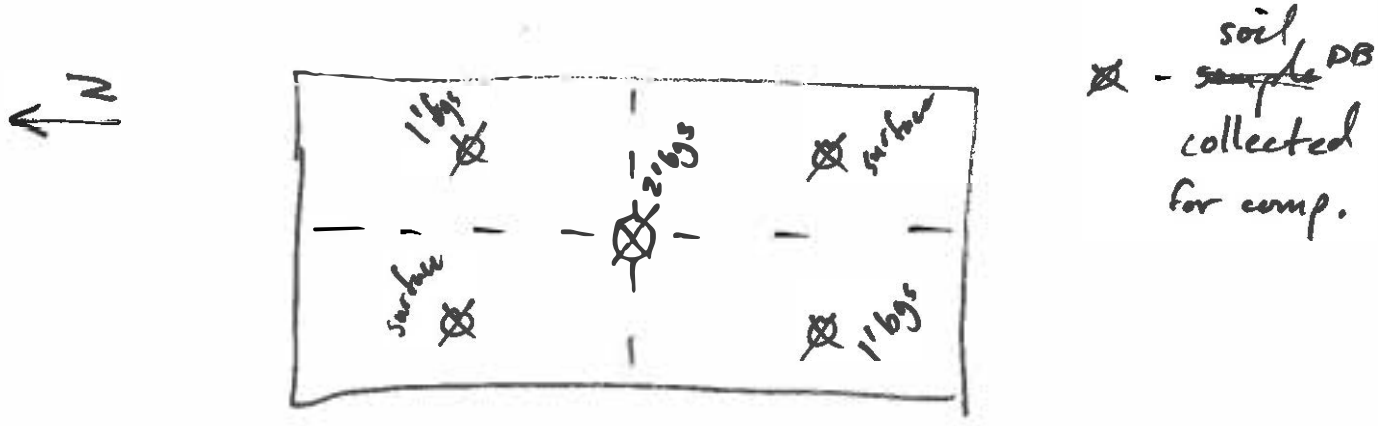
FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
2) 1' bgs	soil, concrete → gray to brown
2) surface	
1) 2' bgs	→ see the drawing below

Comments/Observations:

TCLP metals - one composite from 5 points

Sample Time: 1030 Sample ID: AOI474TCLP02AA



280-46620 Chain of

1.0 SK
IR 9-13-13

CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _294 _ (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156 Carrier: Test America courier.	Project Name: Griffiss AFB Unknown #2 Sampler Name: Joshua Wenzel Sampler Signature:	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	SVOCs TCLP 8 oz glass jar	TCLP Metals 8 oz glass jar	Comments
AOI474TCLP02AA	AOI 474 TCLP	9/12	1030	SO	G	N	0/0	2	1	1	

Page 73 of 740

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List:

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9/12/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1600	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 9/13/13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name:	Time: 930	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

10/11/2013

Daily Health and Safety Meeting Form

Date: 9/12/13 *Time :* 845

Location: FPM office (sample room)

Weather Conditions: 70's Cloudy

Meeting Type: Daily Health and Safety

Personnel Present:

Jake Pratt, Dan Baldyga, Josh Wenzel

Visitors Present: None

Visitor Training: None

PPE Required: Modified D

Possible risks, injuries, concerns:

slip, trip, fall, biological hazards (bees),

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

None

Property Damage:

None

Description (include sequence of events describing step by step how incident happened):

None.

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

None

Report made by (Name):

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 9/16/13

SITE: AOI 474

Weather	AM	PM
Temperature (F)	40	55
Wind Direction/Speed	X	5/NW
Precipitation	0	0
Conditions (i.e. sun, clouds)	clouds	clouds

FPM Personnel on-site:

Mark Grifasi, Jake Pratt

Visitors:

Organization	Names

Equipment on Site

Deliveries	Quantity

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 9/16/13

SITE: AOI 474

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility Location
Soil (tons)			
C&D (tons)	None		
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water			
Groundwater	None		

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Conducted additional sifting of soil pile to locate large metal pieces. None encountered.

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 9/16/13

SITE: AOI 474

WORK ACTIVITIES CONDUCTED:

WORK ACTIVITIES COMPLETED TODAY:

Additional sifting of pile for large metal objects

COMMENTS/QUESTIONS:

f

SAFETY ISSUES:

Z

Report Completed by: John Platt

Daily Health and Safety Meeting Form

Date: 9/16/13 *Time :* 0845

Location: FPM office (sample room)

Weather Conditions: cloudy with rain / 59°

Meeting Type: Daily Health and Safety

Personnel Present:

Josh Wenzel, Jake Pratt, Mark Grifasi

Visitors Present: None

Visitor Training: None

PPE Required: Modified D, additional work gloves (leather)

Possible risks, injuries, concerns:

slip, fall, trap, getting cut by debris.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

None

Property Damage:

None

Description (include sequence of events describing step by step how incident happened):

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

Report made by (Name): 

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

DATE: 10/25/13

SITE: AOI 474

FPM

Weather	AM	PM
Temperature (F)	40	
Wind Direction/Speed	1 / SE	
Precipitation	0	
Conditions (i.e. sun, clouds)	clouds	

FPM Personnel on-site:

Mark Grifasi

Visitors:

Organization	Names

Equipment on Site

Deliveries	Quantity

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/25/13

SITE: AOI 474

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)			
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil	Composite (5)	Composite with hand	VOCs, SVOCs, metals, TAL SVOCs.
Surface water			
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Backfill sample collected at F. Burrows

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/25/13

SITE: AOI 474

WORK ACTIVITIES CONDUCTED:

N/A

WORK ACTIVITIES COMPLETED TODAY:

Soil Sampling

COMMENTS/QUESTIONS:

N/A

SAFETY ISSUES:

N/A

Report Completed by:

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 UNK Sampled by: M. Grifasi

Site and Site Code (**SITEID**): AOI 474

Sampling Location ID. (**LOCID**):

Date (**LOGDATE**): 10/25/13 Time: 1050

FIELD OBSERVATIONS:

Sample Depth or Interval	**Material Description/ Color**
	Sample backfill pile at Fred Burrows, sand / topsoil composite

Comments/Observations:

Sample Time: 1100 Sample ID: AOI474BF

280-46486 Chain of Custody

41 IRA MW 10/25/13

AFCEE
CHAIN OF CUSTODY RECORD (WO)

COC#: _1_ SDG#: _140_ (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156 Carrier: Test America courier.	Project Name: Griffiss AFB Building 3 Sampler Name: Josh Wenzel Sampler Signature:	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Analyses requested: VOCs note 1 4 oz glass jar	Analyses requested: SVOCs, PCBs, Pest., metals note 2,3 8 oz glass jar	Comments
AOI474BF	Backfill	10/25/13	1100	SO	G	N	0/0	2	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: AFCEE QAPP 4.0 List.

Note 2: SVOCs: AFCEE QAPP 4.0 List. PCBs: AFCEE QAPP 4.0 List. Pesticides: AFCEE QAPP 4.0 List.

Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/25/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1500	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 10/28/13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TAD	Time: 855	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

11/25/2013

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/29/13

SITE: AOI 47H

Weather	AM	PM
Temperature (F)	36°	43°
Wind Direction/Speed	calm	S/7 mph
Precipitation	None	None
Conditions (i.e. sun, clouds)	Fair	Fair

FPM Personnel on-site:

Peter Merritt, John Twomey, Mark Griffasi, Josh Wenzel

Visitors:

Organization	Names
	NONE

Equipment on Site
Mini Excavator
Backhoe
Dump Trucks (Burgess Trucking)

Deliveries	Quantity
NONE	

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/29/13

SITE: AOI 474

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)	~ 70 ton		Ava Landfill
C&D (tons)			
PPE/Waste (drum)	2- five gallon buckets filled w/ ppe & decon waste.		Landfill

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water			
Groundwater			
		NONE	

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Soil Excavation at AOI 474. Remove approx. 70 yds of contaminated soil from 0-2' bgs. Unable to dig to the proposed 2.5' bgs after encountering water past 2'. After excavation was completed, Peter Merrill & John Twomey smooth out & restore access road to the debris pile @ AOI 474. After equipment was no longer needed a detailed decontamination of heavy equipment was completed. Decon materials were properly drummed and disposed of. Equipment was loaded and staged for pickup on 10/30/13.

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/29/13

SITE: AOC 474

WORK ACTIVITIES CONDUCTED:

WORK ACTIVITIES COMPLETED TODAY:

* Soil Excavation from 0-2' bgs at AOC 474; Approx 70 tons of soil
* Repair/Restore access Rd to AOC 474
* Decon heavy equipment + store for pick up.

COMMENTS/QUESTIONS:

NONE

SAFETY ISSUES:

NONE

Report Completed by: Josh Wenzel

Daily Health and Safety Meeting Form

Date: 10/29/13 *Time:* 0800

Location: FPM office (sample room)

Weather Conditions: Few skies, upper 30's, calm winds

Meeting Type: Daily Health and Safety

Personnel Present:

Peter Mizat, John Twomey, Mark Greene, Josh Wenzel

Visitors Present: NONE

Visitor Training: NONE

PPE Required: Modified D, hardhat, steeltoe

Possible risks, injuries, concerns:

Slip/trip/fall, falling tree branches, excavator/dump truck hazards

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Property Damage:

NONE

Description (include sequence of events describing step by step how incident happened):

N/A

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

N/A

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/30/13

SITE: AOC 424

Weather	AM	PM
Temperature (F)	35°	51°
Wind Direction/Speed	E/5 mph	Calm
Precipitation	None	None
Conditions (i.e. sun, clouds)	Overcast	Overcast

FPM Personnel on-site:

Josh Wenzel, Mark Grefasi

Visitors:

Organization	Names
NONE	

Equipment on Site

NONE

Deliveries	Quantity
NONE	

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/30/13

SITE: AOI 474

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)			
PPE/Waste (drum)	NONE		

* Waste shipment details presented on shipping log/bill of lading

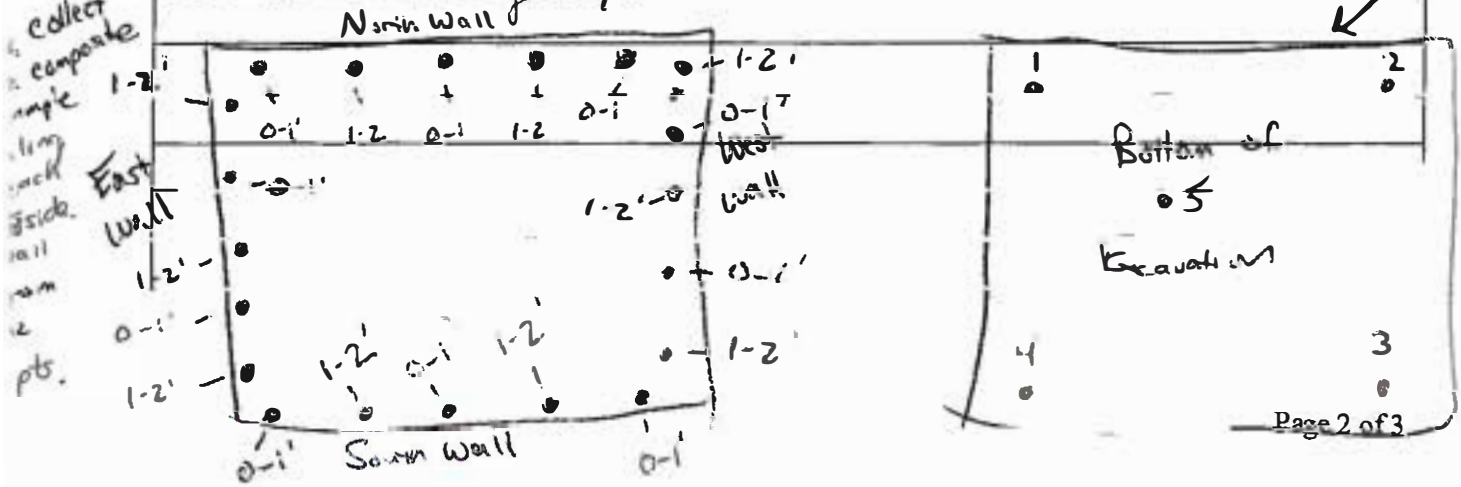
Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil	5	Composite Grab	SVOCs, Metals
Surface water	1	Grab	SVOCs, Metals
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Collect ~~[redacted]~~ side wall, ~~and~~ bottom of excavation, and surface water sample at AOI 474 debris removal location. Samples were collected in the following way.



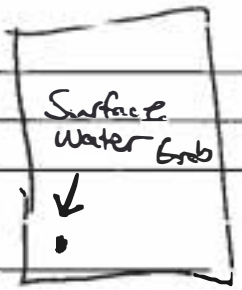
DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 10/30/13

SITE: AOI 474

WORK ACTIVITIES CONDUCTED:



Disposable equipment was properly discarded and Hach was properly ~~decont~~ decon'ed following use.

WORK ACTIVITIES COMPLETED TODAY:

* Collect 5 soil samples & 1 surface water sample at AOI 474 excavation site.

* Decon & store equipment following sample collection.

COMMENTS/QUESTIONS:

NONE

SAFETY ISSUES:

NONE

Report Completed by: Josh Wenzel

Daily Chemical Quality Control Report

Project/Delivery Order Number: 1015-11-01 Date: 10/30/2013

Project Name/Site Number: Griffiss Mod AOI 474 Post-Excavation Soil Sampling

Weather conditions: Temperature: 35 F Barometric reading: 30.27
Wind speed and direction: Calm
Significant wind changes: none

General description of tasks completed: End wall/ bottom of excavation soil sampling. Surface Water Grab from within excavation.

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.
None

Sampling shipment completed: √ Yes □ No Airbill #: …. …. ….

DCQCR Prepared by: Daniel Baldyga Date: 10/30/13

CQCC Signature: Date: 10/30/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-6 Sampled by: JW / MG

Site and Site Code (SITEID): AOI 474

Sampling Location ID. (LOCID): [redacted] (North Wall)

Date (LOGDATE): 10/30/13 Time: 1100

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
5 pts along the wall alternating from 0-1 bgs to 1-2 bgs (composite)	0-1' bgs - decaying leaf matter, thin soil layer, sand, no odor
	1-2' bgs - brown sand, no odor

Comments/Observations:

Sample Time: 1100 Sample ID: AOI474NW01@2AA

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JG/MK

Site and Site Code (SITEID): AOI 474

Sampling Location ID. (LOCID): ~~AOI474SWB102AA~~ (SouthWall)

Date (LOGDATE): 10/30/13 Time: 1105

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
5pts along the wall alternating from 0-1'bgs to 1-2'bgs (composite)	0-1' bgs - decaying leaf matter, thin soil layer, sand, no odor 1-2'bgs - brown sand, no odor

Comments/Observations:

Sample Time: 1105 Sample ID: AOI474SWB102AA

SOIL / SEDIMENT SAMPLING FORM

Project: 101511-01 Sampled by: JW/MG

Site and Site Code (SITEID): AOI 474

Sampling Location ID. (LOCID): ~~AOI474WW01162AA~~ (West Wall)

Date (LOGDATE): 10/30/13 Time: 1125

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
5pts along the wall alternating from 0-1' bgs to 1-2' bgs (composite)	0-1' bgs - decaying leaf matter, thin soil layer, sand (no odor) 1-2' bgs - brown sand (no odor)

Comments/Observations:

Sample Time: 1125 Sample ID: AOI474WW01162AA

SOIL / SEDIMENT SAMPLING FORM

Project: 105-11-01 Sampled by: JW/MK

Site and Site Code (SITEID): AOI 474

Sampling Location ID. (LOCID): East Wall

Date (LOGDATE): 10/30/13 Time: 1135

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
5 pts along the side wall alternating from 0-1' bgs to 1-2' bgs.	0-1' bgs - decaying leaf matter, thin soil layer, sand, no odor 1-2' bgs - brown sand, no odor

Comments/Observations:

Sample Time: 1135 Sample ID: AOI474EW01/02.AA

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JW/MB

Site and Site Code (SITEID): ACC 474

Sampling Location ID. (LOCID): Bottom of Excavation

Date (LOGDATE): 12/30/13 Time: 1145

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
2"	brown, wet sand, no odor

Comments/Observations:

Sample Time: 1145 Sample ID: ACC474BTP1@3AA

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: SW/MB

Location and Site Code (SITEID): AOC 474

Well No. (LOCID): Surface Water Well Diameter (SDIAM): —

Date (LOGDATE): 10/30/13 Weather: Sun, 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

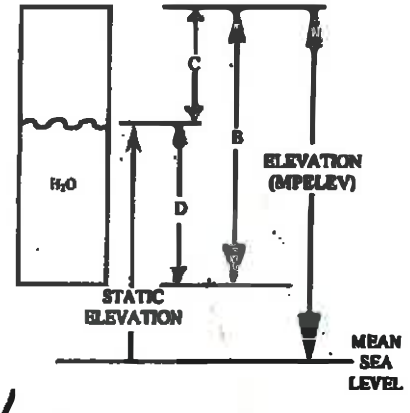
Measured Well Depth (B) (TOTDEPTH) _____ ft.

Measured Water Level Depth (C) (STATDEP) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: _____ / Surface Water Grab

Physical Appearance/Comments: Cloudy, brown, no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1153	—	6.50	0.588	11.35	220	8.50	51
Surface Water Grab							

Sample Time: 1155 Sample ID: AOC474SW01021AA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

~~07-06-07~~
10-15-11-C1

Equipment Calibration Log

Instrument Name: HoriBA #2

Model Number: _____

Date	Pre-Calibration Standard Concentration	Pre-Calibration Standard Reading	Post-Calibration Standard Concentration	Post-Calibration Standard Reading	Comments
9/6	4.00	4.00			

AFCEE
CHAIN OF CUSTODY RECORD

COC#: 11 SDG#: 298 (Orig/Closed) Cooler ID#: A

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156 Carrier: Test America courier.	Project Name: Griffiss AFB AOI 4/74 Sampler Name: Josh Wennall Sampler Signature:	Send Results to: Daniel Baldyga EPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	SVOCs, metals and 8 oz glass jar	Metals and 250 mL poly (HNO_3)	SVOCs and 1 L amber bottle	Comments
AOI474NW0102AA	North wall	10/30	1100	SO	G	N	0/0	1	1			
AOI474SW0102AA	South wall	10/30	1105	SO	G	N	0/0	1	1			
AOI474WW0102AA	West wall	10/30	1125	SO	G	N	0/0	1	1			
AOI474EW0102AA	East wall	10/30	1135	SO	G	N	0/0	1	1			
AOI474BT0103AA	Bottom of Excavation	10/30	1145	SO	G	N	0/0	1	1			
AOI474SW0102AA	Surface Water	10/30	1155	WG	G	N	0/0	2		1	1	
103013AE	FIELDQC	10/30	1415	WG	G	EB	0/0	2		1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 2: SVOCs: AFCEE QAPP 4.0 List.
Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/30/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: EPM	Time: 1430	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date:
Company Name: EPM	Time:	Company Name:	Time:	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab
NA = Not Applicable (only for AB, TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Daily Health and Safety Meeting Form

Date: 10/30/13 **Time Start:** 0845

Time End: 0900

Location: FPM Remediations office

Weather Conditions: Overcast, calm winds, ~~mid~~ upper 30's

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Mark Grifasi

Visitors Present: None

Visitor Training: NONE

PPE Required: Modified D, duck boots, latex gloves, safety glasses

Possible risks, injuries, concerns: Slip/trip/fall, biological (Hanta), cold

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):



Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):



Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

DATE: 12/10/13

SITE: AOC 47

FPM

Weather	AM	PM
Temperature (F)	24°F	28° F
Wind Direction/Speed	W/19	W/20
Precipitation	~1" snow	—
Conditions (i.e. sun, clouds)	Light snow	Light snow

FPM Personnel on-site:

Peter Morse, Josh Wenzel

Visitors:

Organization	Names
NONE	

Equipment on Site
John Deere tracked skidsteer

Deliveries	Quantity
Sand (Burmac)	[redacted] 60 yds.

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

DATE: 12/10/13

SITE: AOI 474

FPM

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)	NONE		
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water			
Groundwater	NONE		

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

FPM conducts backfilling at AOI 474 debris pile. Peter Merat uses skidsteer to place ~60yds of sand into AOI 474 excavation site. Once completed, FPM repairs access road to AOI474. Topsoil and seed will be added in Spring 2014.

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 12/10/13

SITE: AOI 474

WORK ACTIVITIES CONDUCTED:

WORK ACTIVITIES COMPLETED TODAY:

* Backfill AOI 474 w/ ~60 yds of sand
* Repair AOI 474 entry road.

COMMENTS/QUESTIONS:

NONE

SAFETY ISSUES:

NONE

Report Completed by: Josh Wenzel

Daily Health and Safety Meeting Form

Date: 12/10/13 *Time Start:* [redacted] 0900

Time End: 1700

Location: FPM Remediations office

Weather Conditions: Light snow, lo wind 15-20mph, ~1" Snow accum.

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Peter Morat

Visitors Present: NONE

Visitor Training: NONE

PPE Required: Modified D Safety Glasses, Steeltoe boots, hearing protection, winter clothing

Possible risks, injuries, concerns: Slip/trip/fall, hypothermia, falling tree branches in woods.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

X

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

X

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Health and Safety Meeting Form

Date: 5/28/14 *Time:* 0830

Location: FPM office (sample room)

Weather Conditions: Overcast

Meeting Type: Daily Health and Safety

Personnel Present:

John Twomey, Karl Wilhelmsen, Josh Wenzel

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, steel toe boots, reflective vests, hard hat, safety glasses

Possible risks, injuries, concerns:

Slip/trip/fall, Biological (ticks), hazards associated w/ heavy equipment operation.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Property Damage:

NONE

Description (include sequence of events describing step by step how incident happened):

N/A

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

N/A

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 5/28/14

SITE: AOI 474 (LF 2/3)

Weather	AM	PM
Temperature (F)	58° F	64° F
Wind Direction/Speed	N/8mph	N/8mph
Precipitation	—	—
Conditions (i.e. sun, clouds)	Overcast	Overcast

FPM Personnel on-site:

John Twomey, Karl Wilhelmsen, Josh Wenzel

Visitors:

Organization	Names
NONE	

Equipment on Site
Burrows Trucking Dump Truck (Top Soil)
Tracked Skidsteer

Deliveries	Quantity
Top Soil from Burrows	~15 yards

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 5/28/14

SITE: AOI 474 (LF 2/3)

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)	X	X	X
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water			
Groundwater	X	X	X

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Final Site Restoration at AOI 474. 15 yards of top soil delivered by Burrows Trucking. Top soil spread over AOI 474 excavation area and on access Rd. Excavation area seeded w/ special wetland mix [redacted] and lightly worked into the soil

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 5/28/14

SITE: AOI 474 (LF 2/3)

WORK ACTIVITIES CONDUCTED:

WORK ACTIVITIES COMPLETED TODAY:

Final Site Restoration (topsoil + seed) @ AOI 474.

COMMENTS/QUESTIONS:

NONE

SAFETY ISSUES:

NONE

Report Completed by: Josh Wenzel

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

DATE: 11/3/14

SITE: AOI #74

FPM

Weather	AM	PM
Temperature (F)		60°
Wind Direction/Speed		—
Precipitation		NONE
Conditions (i.e. sun, clouds)		

FPM Personnel on-site:

J. [redacted], M. Gn. Es., T. Schlossnagle

Visitors:

Orgamzation	Names
	—

Equipment on Site
hand auger
well screen

Deliveries	Quantity

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 11/3/14

SITE: AOI 474

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)			
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water			
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 11/3/14

SITE: ~~LF07-08~~ AOI 474

WORK ACTIVITIES CONDUCTED:

Install 1" mw 0-4' BGS

water @ 2.5'

COMMENTS/QUESTIONS:

SAFETY ISSUES:

Report Completed by: J. Pratt

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 11/5/14

SITE: AOI 474

Weather	AM	PM
Temperature (F)		55'
Wind Direction/Speed		—
Precipitation		—
Conditions (i.e. sun, clouds)		clouds

FPM Personnel on-site:

M. Grillo

J. Pace II

Visitors:

Organization	Names
	NONE

Equipment on Site
pump (peristaltic)
water level meter
Sample containers

Deliveries	Quantity

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 11/5/14

SITE: AOI 474

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)			
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water			
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 11/5/14

SITE: AOI 474

WORK ACTIVITIES CONDUCTED:

Sample TW @ LF2/3 for metals (filtered)
& abandon well

COMMENTS/QUESTIONS:

water very silty pre-filter
post filter / tannish in color
Recharge good -
water from @ 1.44 ft water column

SAFETY ISSUES:

NONE

Report Completed by: J. Pratt

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _298_ (Open/Closed) Cooler ID#: _A_

Ship to:	Project Name: Griffiss AFB AOI 474	Send Results to:
Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Sampler Name: John Pratt	Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2014	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Metals note 3 250 mL poly (HNO_3).	Comments
AOI474TW0102AA	AOI474TW-1	11/5	1430	WG	PP	N	0/0	1	1	Filtered in the field

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date: 11-5-14	#2 Released by: (Sig)	Date: 11/6	#3 Released by: (Sig)	Date:
Company Name:	Time: 1740	Company Name: FPM	Time: 1700	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date: 11/5	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date:
Company Name: FPM	Time: 1000	Company Name:	Time:	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Appendix B



Pre Stabilization, Quadrant Marking



Application of phosphate and cement



Phosphate, Cement, and Soil Mixing



Completed Soil Stabilization



Site Excavation – photo 1



Site Excavation – photo 2



Completed Excavation



AOI 474 – Restored Excavation Area with Topsoil
(wetland seeded and raked in)



AOI 474 – Restored Access Road with topsoil
(wetland seeded and raked in)



AOI 474 – Restored Access Road with topsoil
(wetland seeded and raked in)



AOI 474 – Restored Excavation Area with Topsoil and
Wetland Vegetation Growth

Appendix C

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9625 • **Fax:** (518) 402-9627
Website: www.dec.ny.gov

Joe Martens
Commissioner

September 12, 2013

Michael McDermott
Air Force Civil Engineer Center/CIBE-Griffiss
706 Brooks Road
Rome, New York 13441

RE: AOI 474 Removal Action Work Plan
Dated June 2013
Former Griffiss Air Force Base #633006

Dear Mr McDermott:

I have reviewed the above referenced AOI 474 Removal Action Work Plan for the Former Griffiss Air Force Base. I agree with the proposed soil stabilization approach as described in the Plan and have no comments or concerns with the report.

If you have any questions, or need more information, please call me at (518) 402-9692 or email me at hlbishop@gw.dec.state.ny.us.

Sincerely,

Heather Bishop
Remedial Bureau A
Division of Environmental Remediation

Ec:
J. Swartwout
P. Taylor
R. Morse
P. Dula

Appendix D

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-46620-1

Job Description: Griffiss AFB Unknown #2

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager I
10/11/2013 12:05 PM

Elaine M Walker, Project Manager I
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
10/11/2013

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Unknown #2
Report Number: 280-46620-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

One sample was received on 09/13/2013; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.0ºC.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AOI474TCLP02AA (280-46620-1) was analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8270C. The sample was leached on 09/14/2013, prepared on 09/17/2013 and analyzed on 09/21/2013.

Pyridine exceeded the RPD limit for the matrix spike duplicate (MSD) of sample AOI474TCLP02AA (280-46620-1) in batch 280-193045. The matrix spike/matrix spike duplicate (MS/MSD) and associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TCLP semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS

Sample AOI474TCLP02AA (280-46620-1) was analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The sample was leached on 09/14/2013, prepared on 09/25/2013 and analyzed on 09/26/2013.

Barium was detected in method blank LB 280-191495/1-D at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample AOI474TCLP02AA (280-46620-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The sample was leached on 09/14/2013, and prepared and analyzed on 10/04/2013.

No difficulties were encountered during the TCLP mercury analysis.

All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 192371

Lab Sample ID: ICIS 280-192371/3 Client Sample ID:

Date Analyzed: 09/20/13 08:21 Lab File ID: B2-2127.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	6.45	Split Peak	kiekeld	09/20/13 08:53
Indeno[1,2,3-cd]pyrene	21.31	Shouldering	kiekeld	09/20/13 08:53

Lab Sample ID: STD020 280-192371/6 IC Client Sample ID:

Date Analyzed: 09/20/13 09:51 Lab File ID: B2-2130.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	21.28	Shouldering	kiekeld	09/20/13 10:48

Lab Sample ID: STD050 280-192371/7 IC Client Sample ID:

Date Analyzed: 09/20/13 10:20 Lab File ID: B2-2131.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	21.29	Shouldering	kiekeld	09/20/13 10:50

Lab Sample ID: STD120 280-192371/8 IC Client Sample ID:

Date Analyzed: 09/20/13 10:50 Lab File ID: B2-2132.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	6.45	Split Peak	kiekeld	09/20/13 14:43
Indeno[1,2,3-cd]pyrene	21.30	Shouldering	kiekeld	09/20/13 14:43

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 192371

Lab Sample ID: STD160 280-192371/9 IC Client Sample ID:

Date Analyzed: 09/20/13 11:21 Lab File ID: B2-2133.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.80	Wrong peak	kiekeld	09/20/13 14:46
Caprolactam	6.46	Split Peak	kiekeld	09/20/13 14:46
Indeno[1,2,3-cd]pyrene	21.31	Shouldering	kiekeld	09/20/13 14:46

Lab Sample ID: STD200 280-192371/10 IC Client Sample ID:

Date Analyzed: 09/20/13 11:52 Lab File ID: B2-2134.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	6.47	Split Peak	kiekeld	09/20/13 14:48
Indeno[1,2,3-cd]pyrene	21.32	Shouldering	kiekeld	09/20/13 14:48

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 192371

Lab Sample ID: ICIS 280-192371/3 Client Sample ID:

Date Analyzed: 09/20/13 08:21 Lab File ID: B2-2127.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	6.45	Split Peak	kiekeld	09/20/13 08:53
Indeno[1,2,3-cd]pyrene	21.31	Shouldering	kiekeld	09/20/13 08:53

Lab Sample ID: STD020 280-192371/6 IC Client Sample ID:

Date Analyzed: 09/20/13 09:51 Lab File ID: B2-2130.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	21.28	Shouldering	kiekeld	09/20/13 10:48

Lab Sample ID: STD050 280-192371/7 IC Client Sample ID:

Date Analyzed: 09/20/13 10:20 Lab File ID: B2-2131.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	21.29	Shouldering	kiekeld	09/20/13 10:50

Lab Sample ID: STD120 280-192371/8 IC Client Sample ID:

Date Analyzed: 09/20/13 10:50 Lab File ID: B2-2132.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	6.45	Split Peak	kiekeld	09/20/13 14:43
Indeno[1,2,3-cd]pyrene	21.30	Shouldering	kiekeld	09/20/13 14:43

qms
9/26/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 192371

Lab Sample ID: STD160 280-192371/9 IC Client Sample ID:

Date Analyzed: 09/20/13 11:21 Lab File ID: B2-2133.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.80	Wrong peak	kiekeld	09/20/13 14:46
Caprolactam	6.46	Split Peak	kiekeld	09/20/13 14:46
Indeno[1,2,3-cd]pyrene	21.31	Shouldering	kiekeld	09/20/13 14:46

Lab Sample ID: STD200 280-192371/10 IC Client Sample ID:

Date Analyzed: 09/20/13 11:52 Lab File ID: B2-2134.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	6.47	Split Peak	kiekeld	09/20/13 14:48
Indeno[1,2,3-cd]pyrene	21.32	Shouldering	kiekeld	09/20/13 14:48

9 MS 9/26/13

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-46620-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-46620-1	AOI474TCLP02AA	Solid	09/12/2013 1030	09/13/2013 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-46620-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-46620-1	**AOI474TCLP02AA**					
TCLP						
Barium		0.064	J	1.0	mg/L	6010B
Cadmium		0.014	J	0.10	mg/L	6010B
Lead		0.021	J	0.50	mg/L	6010B

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-46620-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C	
TCLP Extraction	TAL DEN		SW846 1311
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C
Metals (ICP)	TAL DEN	SW846 6010B	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Total Metals	TAL DEN		SW846 3010A
Mercury (CVAA)	TAL DEN	SW846 7470A	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Mercury	TAL DEN		SW846 7470A

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-46620-1

Method	Analyst	Analyst ID
SW846 8270C	Kiekel, Daniel C	DCK
SW846 6010B	Harre, John K	JKH
SW846 7470A	Mooney, Joseph C	JM

Client: FPM Remediations Inc

Job Number: 280-46620-1

Client Sample ID: **AOI474TCLP02AA**

Lab Sample ID: 280-46620-1
Client Matrix: Solid

Date Sampled: 09/12/2013 1030
Date Received: 09/13/2013 0930

8270C Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270C	Analysis Batch:	280-192457	Instrument ID:	SMS_B2
Prep Method:	3510C	Prep Batch:	280-191861	Lab File ID:	B2-2161.D
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	102 mL
Analysis Date:	09/21/2013 0226			Final Weight/Volume:	1000 uL
Prep Date:	09/17/2013 1655			Injection Volume:	0.5 uL
Leach Date:	09/14/2013 1310				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
2-Methylphenol		0.039	U	0.0096	0.098
3 & 4 Methylphenol		0.0098	U	0.0025	0.098
Total Cresols		0.039	U	0.0025	0.098
1,4-Dichlorobenzene		0.0098	U	0.0031	0.039
2,4-Dinitrotoluene		0.039	U	0.016	0.098
Hexachlorobenzene		0.0098	U	0.0065	0.098
Hexachlorobutadiene		0.098	U	0.032	0.098
Hexachloroethane		0.039	U	0.021	0.098
Nitrobenzene		0.020	U	0.0079	0.098
Pentachlorophenol		0.39	U	0.20	0.49
Pyridine		0.020	U	0.011	0.20
2,4,6-Trichlorophenol		0.0098	U	0.0027	0.049
2,4,5-Trichlorophenol		0.0098	U	0.0043	0.098

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		49 - 120
2-Fluorophenol	79		50 - 120
Phenol-d5	69		47 - 120
2,4,6-Tribromophenol	87		51 - 120
Terphenyl-d14	92		56 - 120
Nitrobenzene-d5	84		51 - 120

Client: FPM Remediations Inc

Job Number: 280-46620-1

Client Sample ID: **AOI474TCLP02AA**

Lab Sample ID: 280-46620-1
Client Matrix: Solid

Date Sampled: 09/12/2013 1030
Date Received: 09/13/2013 0930

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-193221	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-192694	Lab File ID:	25A6092513.asc
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	10 mL
Analysis Date:	09/26/2013 0610			Final Weight/Volume:	50 mL
Prep Date:	09/25/2013 1230				
Leach Date:	09/14/2013 1310				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Arsenic		0.065	U	0.022	0.50
Barium		0.064	J	0.0020	1.0
Cadmium		0.014	J	0.0020	0.10
Chromium		0.0045	U	0.0030	0.50
Lead		0.021	J	0.013	0.50
Selenium		0.075	U	0.024	0.10
Silver		0.015	U	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-194552	Instrument ID:	MT_034
Prep Method:	7470A	Prep Batch:	280-191940	Lab File ID:	131004taa.txt
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	30 mL
Analysis Date:	10/04/2013 1649			Final Weight/Volume:	30 mL
Prep Date:	10/04/2013 1025				
Leach Date:	09/14/2013 1310				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Mercury		0.000080	U	0.000030	0.0020

Client: FPM Remediations Inc

Job Number: 280-46620-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-46620-1	AOI474TCLP02AA	79	69	84	75	87	92
LB 280-191495/1-B		76	64	86	78	87	91
LCS 280-191495/2-B		68	60	74	70	77	91
280-46620-1 MS	AOI474TCLP02AA MS	84	75	90	82	94	100
280-46620-1 MSD	AOI474TCLP02AA MSD	79	70	86	75	85	90

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	50-120
PHL = Phenol-d5	47-120
NBZ = Nitrobenzene-d5	51-120
FBP = 2-Fluorobiphenyl	49-120
TBP = 2,4,6-Tribromophenol	51-120
TPH = Terphenyl-d14	56-120

Client: FPM Remediations Inc

Job Number: 280-46620-1

TCLP SPLPE Leachate Blank - Batch: 280-191861

Method: 8270C
Preparation: 3510C
TCLP

Lab Sample ID:	LB 280-191495/1-B	Analysis Batch:	280-192457	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-191861	Lab File ID:	B2-2144.D
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	102 mL
Analysis Date:	09/20/2013 1754	Units:	mg/L	Final Weight/Volume:	1000 uL
Prep Date:	09/17/2013 1655			Injection Volume:	0.5 uL
Leach Date:	09/14/2013 1310				

Analyte	Result	Qual	DL	LOQ
2-Methylphenol	0.039	U	0.0096	0.098
3 & 4 Methylphenol	0.0098	U	0.0025	0.098
Total Cresols	0.039	U	0.0025	0.098
1,4-Dichlorobenzene	0.0098	U	0.0031	0.039
2,4-Dinitrotoluene	0.039	U	0.016	0.098
Hexachlorobenzene	0.0098	U	0.0065	0.098
Hexachlorobutadiene	0.098	U	0.032	0.098
Hexachloroethane	0.039	U	0.021	0.098
Nitrobenzene	0.020	U	0.0079	0.098
Pentachlorophenol	0.39	U	0.20	0.49
Pyridine	0.020	U	0.011	0.20
2,4,6-Trichlorophenol	0.0098	U	0.0027	0.049
2,4,5-Trichlorophenol	0.0098	U	0.0043	0.098

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	78	49 - 120
2-Fluorophenol	76	50 - 120
Phenol-d5	64	47 - 120
2,4,6-Tribromophenol	87	51 - 120
Terphenyl-d14	91	56 - 120
Nitrobenzene-d5	86	51 - 120

Client: FPM Remediations Inc

Job Number: 280-46620-1

Lab Control Sample - Batch: 280-191861

Method: 8270C
Preparation: 3510C
TCLP

Lab Sample ID:	LCS 280-191495/2-B	Analysis Batch:	280-192457	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-191861	Lab File ID:	B2-2145.D
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	104 mL
Analysis Date:	09/20/2013 1823	Units:	mg/L	Final Weight/Volume:	1000 uL
Prep Date:	09/17/2013 1655			Injection Volume:	0.5 uL
Leach Date:	09/14/2013 1310				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylphenol	0.481	0.332	69	45 - 120	
3 & 4 Methylphenol	0.962	0.700	73	44 - 120	
1,4-Dichlorobenzene	0.481	0.274	57	36 - 120	
2,4-Dinitrotoluene	0.192	0.0925	48	36 - 120	J
Hexachlorobenzene	0.192	0.131	68	52 - 120	
Hexachlorobutadiene	0.481	0.251	52	35 - 120	
Hexachloroethane	0.481	0.253	53	35 - 120	
Nitrobenzene	0.481	0.344	72	50 - 120	
Pentachlorophenol	0.962	0.664	69	39 - 120	
Pyridine	0.481	0.131	27	10 - 121	J
2,4,6-Trichlorophenol	0.481	0.348	72	43 - 120	
2,4,5-Trichlorophenol	0.481	0.357	74	46 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	70	49 - 120
2-Fluorophenol	68	50 - 120
Phenol-d5	60	47 - 120
2,4,6-Tribromophenol	77	51 - 120
Terphenyl-d14	91	56 - 120
Nitrobenzene-d5	74	51 - 120

Client: FPM Remediations Inc

Job Number: 280-46620-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-191861

Method: 8270C
Preparation: 3510C
TCLP

MS Lab Sample ID:	280-46620-1	Analysis Batch:	280-192457	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-191861	Lab File ID:	B2-2162.D
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	104 mL
Analysis Date:	09/21/2013 0256			Final Weight/Volume:	1000 uL
Prep Date:	09/17/2013 1655			Injection Volume:	0.5 uL
Leach Date:	09/14/2013 1310				

MSD Lab Sample ID:	280-46620-1	Analysis Batch:	280-193045	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-191861	Lab File ID:	B2-2203.D
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	102 mL
Analysis Date:	09/25/2013 1430			Final Weight/Volume:	1000 uL
Prep Date:	09/17/2013 1655			Injection Volume:	0.5 uL
Leach Date:	09/14/2013 1310				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylphenol	84	81	45 - 120	2	30		
3 & 4 Methylphenol	87	82	44 - 120	3	30		
1,4-Dichlorobenzene	66	63	36 - 120	3	30		
2,4-Dinitrotoluene	62	58	36 - 120	4	30		
Hexachlorobenzene	74	71	52 - 120	3	30		
Hexachlorobutadiene	60	58	35 - 120	2	30		
Hexachloroethane	60	58	35 - 120	2	30		
Nitrobenzene	86	83	50 - 120	2	30		
Pentachlorophenol	88	81	39 - 120	7	30		
Pyridine	54	19	10 - 121	92	30		J
2,4,6-Trichlorophenol	89	83	43 - 120	5	30		
2,4,5-Trichlorophenol	90	81	46 - 120	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	82	75	49 - 120
2-Fluorophenol	84	79	50 - 120
Phenol-d5	75	70	47 - 120
2,4,6-Tribromophenol	94	85	51 - 120
Terphenyl-d14	100	90	56 - 120
Nitrobenzene-d5	90	86	51 - 120

Client: FPM Remediations Inc

Job Number: 280-46620-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-191861

Method: 8270C
Preparation: 3510C
TCLP

MS Lab Sample ID:	280-46620-1	Units:	mg/L	MSD Lab Sample ID:	280-46620-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2013 0256			Analysis Date:	09/25/2013 1430
Prep Date:	09/17/2013 1655			Prep Date:	09/17/2013 1655
Leach Date:	09/14/2013 1310			Leach Date:	09/14/2013 1310

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
2-Methylphenol	0.039	U	0.481	0.490	0.404	0.397	
3 & 4 Methylphenol	0.0098	U	0.962	0.980	0.832	0.806	
1,4-Dichlorobenzene	0.0098	U	0.481	0.490	0.317	0.309	
2,4-Dinitrotoluene	0.039	U	0.192	0.196	0.118	0.114	
Hexachlorobenzene	0.0098	U	0.192	0.196	0.143	0.139	
Hexachlorobutadiene	0.098	U	0.481	0.490	0.289	0.282	
Hexachloroethane	0.039	U	0.481	0.490	0.291	0.285	
Nitrobenzene	0.020	U	0.481	0.490	0.414	0.405	
Pentachlorophenol	0.39	U	0.962	0.980	0.849	0.791	
Pyridine	0.020	U	0.481	0.490	0.259	0.0954	J
2,4,6-Trichlorophenol	0.0098	U	0.481	0.490	0.429	0.407	
2,4,5-Trichlorophenol	0.0098	U	0.481	0.490	0.434	0.396	

Client: FPM Remediations Inc

Job Number: 280-46620-1

TCLP SPLPE Leachate Blank - Batch: 280-192694

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 280-191495/1-D	Analysis Batch:	280-193221	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-192694	Lab File ID:	25A6092513.asc
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	10 mL
Analysis Date:	09/26/2013 0605	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/25/2013 1230				
Leach Date:	09/14/2013 1310				

Analyte	Result	Qual	DL	LOQ
Arsenic	0.065	U	0.022	0.50
Barium	0.0134	J	0.0020	1.0
Cadmium	0.0070	U	0.0020	0.10
Chromium	0.0045	U	0.0030	0.50
Lead	0.035	U	0.013	0.50
Selenium	0.075	U	0.024	0.10
Silver	0.015	U	0.0040	0.50

Lab Control Sample - Batch: 280-192694

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LCS 280-191495/2-D	Analysis Batch:	280-193221	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-192694	Lab File ID:	25A6092513.asc
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	10 mL
Analysis Date:	09/26/2013 0608	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/25/2013 1230				
Leach Date:	09/14/2013 1310				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.03	101	80 - 120	
Barium	12.0	11.5	96	80 - 120	
Cadmium	1.10	1.09	99	80 - 120	
Chromium	5.20	5.12	98	80 - 120	
Lead	5.50	5.39	98	80 - 120	
Selenium	3.00	2.97	99	80 - 120	
Silver	1.05	1.03	98	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-46620-1

Post Digestion Spike - Batch: 280-192694

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	280-46620-1	Analysis Batch:	280-193221	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-192694	Lab File ID:	25A6092513.asc
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	10 mL
Analysis Date:	09/26/2013 0929	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/25/2013 1230				
Leach Date:	09/14/2013 1310				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.065	U	1.00	1.04	104	75 - 125	
Barium	0.064	J	0.500	0.536	94	75 - 125	J
Cadmium	0.014	J	0.250	0.264	100	75 - 125	
Chromium	0.0045	U	0.250	0.255	102	75 - 125	J
Lead	0.021	J	0.500	0.510	98	75 - 125	
Selenium	0.075	U	1.00	0.994	99	75 - 125	
Silver	0.015	U	0.250	0.249	99	75 - 125	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-192694

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-46620-1	Analysis Batch:	280-193221	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-192694	Lab File ID:	25A6092513.asc
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	10 mL
Analysis Date:	09/26/2013 0615			Final Weight/Volume:	50 mL
Prep Date:	09/25/2013 1230				
Leach Date:	09/14/2013 1310				

MSD Lab Sample ID:	280-46620-1	Analysis Batch:	280-193221	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-192694	Lab File ID:	25A6092513.asc
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	10 mL
Analysis Date:	09/26/2013 0617			Final Weight/Volume:	50 mL
Prep Date:	09/25/2013 1230				
Leach Date:	09/14/2013 1310				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	102	105	80 - 120	3	20		
Barium	96	99	80 - 120	4	20		
Cadmium	99	102	80 - 120	3	20		
Chromium	99	102	80 - 120	3	20		
Lead	98	101	80 - 120	3	20		
Selenium	100	102	80 - 120	2	20		
Silver	98	102	80 - 120	4	20		

Client: FPM Remediations Inc

Job Number: 280-46620-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-192694

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-46620-1	Units:	mg/L	MSD Lab Sample ID:	280-46620-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/26/2013 0615			Analysis Date:	09/26/2013 0617
Prep Date:	09/25/2013 1230			Prep Date:	09/25/2013 1230
Leach Date:	09/14/2013 1310			Leach Date:	09/14/2013 1310

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.065	U	4.00	4.00	4.08	4.19
Barium	0.064	J	12.0	12.0	11.5	12.0
Cadmium	0.014	J	1.10	1.10	1.11	1.14
Chromium	0.0045	U	5.20	5.20	5.14	5.29
Lead	0.021	J	5.50	5.50	5.41	5.55
Selenium	0.075	U	3.00	3.00	2.99	3.06
Silver	0.015	U	1.05	1.05	1.03	1.07

Serial Dilution - Batch: 280-192694

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	280-46620-1	Analysis Batch:	280-193221	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-192694	Lab File ID:	25A6092513.asc
Dilution:	5.0	Leach Batch:	280-191495	Initial Weight/Volume:	10 mL
Analysis Date:	09/26/2013 0612	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/25/2013 1230				
Leach Date:	09/14/2013 1310				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	0.065	U	0.33	NC	10	U
Barium	0.064	J	0.0675	NC	10	J D
Cadmium	0.014	J	0.035	NC	10	U
Chromium	0.0045	U	0.023	NC	10	U
Lead	0.021	J	0.18	NC	10	U
Selenium	0.075	U	0.38	NC	10	U
Silver	0.015	U	0.075	NC	10	U

TCLP SPLPE Leachate Blank - Batch: 280-191940

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 280-191495/1-C	Analysis Batch:	280-194552	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-191940	Lab File ID:	131004taa.txt
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	30 mL
Analysis Date:	10/04/2013 1644	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	10/04/2013 1025				
Leach Date:	09/14/2013 1310				

Analyte	Result	Qual	DL	LOQ
Mercury	0.000080	U	0.000030	0.0020

Lab Control Sample - Batch: 280-191940

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LCS 280-191495/2-C	Analysis Batch:	280-194552	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-191940	Lab File ID:	131004taa.txt
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	30 mL
Analysis Date:	10/04/2013 1646	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	10/04/2013 1025				
Leach Date:	09/14/2013 1310				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00551	110	90 - 116	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-191940

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-46620-1	Analysis Batch:	280-194552	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-191940	Lab File ID:	131004taa.txt
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	30 mL
Analysis Date:	10/04/2013 1658			Final Weight/Volume:	30 mL
Prep Date:	10/04/2013 1025				
Leach Date:	09/14/2013 1310				

MSD Lab Sample ID:	280-46620-1	Analysis Batch:	280-194552	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-191940	Lab File ID:	131004taa.txt
Dilution:	1.0	Leach Batch:	280-191495	Initial Weight/Volume:	30 mL
Analysis Date:	10/04/2013 1700			Final Weight/Volume:	30 mL
Prep Date:	10/04/2013 1025				
Leach Date:	09/14/2013 1310				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	112	110	90 - 116	2	10		

Client: FPM Remediations Inc

Job Number: 280-46620-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-191940

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-46620-1	Units: mg/L	MSD Lab Sample ID:	280-46620-1	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	10/04/2013 1658		Analysis Date:	10/04/2013 1700	
Prep Date:	10/04/2013 1025		Prep Date:	10/04/2013 1025	
Leach Date:	09/14/2013 1310		Leach Date:	09/14/2013 1310	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.000080	U	0.00500	0.00500	0.00560	0.00551

Serial Dilution - Batch: 280-191940

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	280-46620-1	Analysis Batch:	280-194552	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-191940	Lab File ID:	131004taa.txt
Dilution:	5.0	Leach Batch:	280-191495	Initial Weight/Volume:	30 mL
Analysis Date:	10/04/2013 1651	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	10/04/2013 1025				
Leach Date:	09/14/2013 1310				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.000080	U	0.00040	NC	10	U

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-46620-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-46620-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-191495					
LCS 280-191495/2-B	Lab Control Sample	P	Solid	1311	
LB 280-191495/1-B	TCLP SPLPE Leachate Blank	P	Solid	1311	
280-46620-1	AOI474TCLP02AA	P	Solid	1311	
280-46620-1MS	Matrix Spike	P	Solid	1311	
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 280-191861					
LCS 280-191495/2-B	Lab Control Sample	P	Solid	3510C	280-191495
LB 280-191495/1-B	TCLP SPLPE Leachate Blank	P	Solid	3510C	280-191495
280-46620-1	AOI474TCLP02AA	P	Solid	3510C	280-191495
280-46620-1MS	Matrix Spike	P	Solid	3510C	280-191495
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	3510C	280-191495
Analysis Batch:280-192457					
LCS 280-191495/2-B	Lab Control Sample	P	Solid	8270C	280-191861
LB 280-191495/1-B	TCLP SPLPE Leachate Blank	P	Solid	8270C	280-191861
280-46620-1	AOI474TCLP02AA	P	Solid	8270C	280-191861
280-46620-1MS	Matrix Spike	P	Solid	8270C	280-191861
Analysis Batch:280-193045					
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	8270C	280-191861

Report Basis
P = TCLP

Client: FPM Remediations Inc

Job Number: 280-46620-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-191495					
LCS 280-191495/2-C	Lab Control Sample	P	Solid	1311	
LCS 280-191495/2-D	Lab Control Sample	P	Solid	1311	
LB 280-191495/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 280-191495/1-D	TCLP SPLPE Leachate Blank	P	Solid	1311	
280-46620-1	AOI474TCLP02AA	P	Solid	1311	
280-46620-1MS	Matrix Spike	P	Solid	1311	
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 280-191940					
LCS 280-191495/2-C	Lab Control Sample	P	Solid	7470A	280-191495
LB 280-191495/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-191495
280-46620-1	AOI474TCLP02AA	P	Solid	7470A	280-191495
280-46620-1MS	Matrix Spike	P	Solid	7470A	280-191495
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	7470A	280-191495
Prep Batch: 280-192694					
LCS 280-191495/2-D	Lab Control Sample	P	Solid	3010A	280-191495
LB 280-191495/1-D	TCLP SPLPE Leachate Blank	P	Solid	3010A	280-191495
280-46620-1	AOI474TCLP02AA	P	Solid	3010A	280-191495
280-46620-1MS	Matrix Spike	P	Solid	3010A	280-191495
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	3010A	280-191495
Analysis Batch:280-193221					
LCS 280-191495/2-D	Lab Control Sample	P	Solid	6010B	280-192694
LB 280-191495/1-D	TCLP SPLPE Leachate Blank	P	Solid	6010B	280-192694
280-46620-1	AOI474TCLP02AA	P	Solid	6010B	280-192694
280-46620-1MS	Matrix Spike	P	Solid	6010B	280-192694
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	6010B	280-192694
Analysis Batch:280-194552					
LCS 280-191495/2-C	Lab Control Sample	P	Solid	7470A	280-191940
LB 280-191495/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-191940
280-46620-1	AOI474TCLP02AA	P	Solid	7470A	280-191940
280-46620-1MS	Matrix Spike	P	Solid	7470A	280-191940
280-46620-1MSD	Matrix Spike Duplicate	P	Solid	7470A	280-191940

Report Basis
P = TCLP

Client: FPM Remediations Inc

Job Number: 280-46620-1

Laboratory Chronicle

Lab ID: 280-46620-1 **Client ID:** AOI474TCLP02AA

Sample Date/Time: 09/12/2013 10:30 Received Date/Time: 09/13/2013 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	280-46620-B-1-B		280-192457	280-191861	09/17/2013 16:55	1	TAL DEN	BWJ
A:8270C	280-46620-B-1-B		280-192457	280-191861	09/21/2013 02:26	1	TAL DEN	DCK
P:3010A	280-46620-B-1-H		280-193221	280-192694	09/25/2013 12:30	1	TAL DEN	JAM
A:6010B	280-46620-B-1-H		280-193221	280-192694	09/26/2013 06:10	1	TAL DEN	JKH
P:7470A	280-46620-B-1-E		280-194552	280-191940	10/04/2013 10:25	1	TAL DEN	CRR
A:7470A	280-46620-B-1-E		280-194552	280-191940	10/04/2013 16:49	1	TAL DEN	JM

Lab ID: 280-46620-1 MS **Client ID:** AOI474TCLP02AA

Sample Date/Time: 09/12/2013 10:30 Received Date/Time: 09/13/2013 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	280-46620-B-1-C MS		280-192457	280-191861	09/17/2013 16:55	1	TAL DEN	BWJ
A:8270C	280-46620-B-1-C MS		280-192457	280-191861	09/21/2013 02:56	1	TAL DEN	DCK
P:3010A	280-46620-B-1-I MS		280-193221	280-192694	09/25/2013 12:30	1	TAL DEN	JAM
A:6010B	280-46620-B-1-I MS		280-193221	280-192694	09/26/2013 06:15	1	TAL DEN	JKH
P:7470A	280-46620-B-1-F MS		280-194552	280-191940	10/04/2013 10:25	1	TAL DEN	CRR
A:7470A	280-46620-B-1-F MS		280-194552	280-191940	10/04/2013 16:58	1	TAL DEN	JM

Lab ID: 280-46620-1 MSD **Client ID:** AOI474TCLP02AA

Sample Date/Time: 09/12/2013 10:30 Received Date/Time: 09/13/2013 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	280-46620-B-1-D MSD		280-193045	280-191861	09/17/2013 16:55	1	TAL DEN	BWJ
A:8270C	280-46620-B-1-D MSD		280-193045	280-191861	09/25/2013 14:30	1	TAL DEN	DCK
P:3010A	280-46620-B-1-J MSD		280-193221	280-192694	09/25/2013 12:30	1	TAL DEN	JAM
A:6010B	280-46620-B-1-J MSD		280-193221	280-192694	09/26/2013 06:17	1	TAL DEN	JKH
P:7470A	280-46620-B-1-G MSD		280-194552	280-191940	10/04/2013 10:25	1	TAL DEN	CRR
A:7470A	280-46620-B-1-G MSD		280-194552	280-191940	10/04/2013 17:00	1	TAL DEN	JM

Client: FPM Remediations Inc

Job Number: 280-46620-1

Laboratory Chronicle

Lab ID: 280-46620-1 SD **Client ID:** AOI474TCLP02AA

Sample Date/Time: 09/12/2013 10:30 Received Date/Time: 09/13/2013 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-46620-B-1-H SD ^5		280-193221	280-192694	09/25/2013 12:30	5	TAL DEN	JAM
A:6010B	280-46620-B-1-H SD ^5		280-193221	280-192694	09/26/2013 06:12	5	TAL DEN	JKH
P:3010A	280-46620-B-1-H PDS		280-193221	280-192694	09/25/2013 12:30	1	TAL DEN	JAM
A:6010B	280-46620-B-1-H PDS		280-193221	280-192694	09/26/2013 09:29	1	TAL DEN	JKH
P:7470A	280-46620-B-1-E SD ^5		280-194552	280-191940	10/04/2013 10:25	5	TAL DEN	CRR
A:7470A	280-46620-B-1-E SD ^5		280-194552	280-191940	10/04/2013 16:51	5	TAL DEN	JM

Lab ID: LB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LB 280-191495/1-B		280-192457	280-191861	09/17/2013 16:55	1	TAL DEN	BWJ
A:8270C	LB 280-191495/1-B		280-192457	280-191861	09/20/2013 17:54	1	TAL DEN	DCK
P:3010A	LB 280-191495/1-D		280-193221	280-192694	09/25/2013 12:30	1	TAL DEN	JAM
A:6010B	LB 280-191495/1-D		280-193221	280-192694	09/26/2013 06:05	1	TAL DEN	JKH
P:7470A	LB 280-191495/1-C		280-194552	280-191940	10/04/2013 10:25	1	TAL DEN	CRR
A:7470A	LB 280-191495/1-C		280-194552	280-191940	10/04/2013 16:44	1	TAL DEN	JM

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCS 280-191495/2-B		280-192457	280-191861	09/17/2013 16:55	1	TAL DEN	BWJ
A:8270C	LCS 280-191495/2-B		280-192457	280-191861	09/20/2013 18:23	1	TAL DEN	DCK
P:3010A	LCS 280-191495/2-D		280-193221	280-192694	09/25/2013 12:30	1	TAL DEN	JAM
A:6010B	LCS 280-191495/2-D		280-193221	280-192694	09/26/2013 06:08	1	TAL DEN	JKH
P:7470A	LCS 280-191495/2-C		280-194552	280-191940	10/04/2013 10:25	1	TAL DEN	CRR
A:7470A	LCS 280-191495/2-C		280-194552	280-191940	10/04/2013 16:46	1	TAL DEN	JM

Lab References:

TAL DEN = TestAmerica Denver

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270Surrogate_00062	08/28/14	08/28/13	ACETONE, Lot Acetone_00066	1000 mL	8270SurStkHL_00022	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00023	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00024	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00025	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
.8270SurStkHL_00022	08/28/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00023	08/28/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00024	08/28/14	Restek, Lot A093638			(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00025	08/28/14	Restek, Lot A093638			(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
8270TCLPSpike_00032	08/28/14	08/28/13	P&T Methanol, Lot MethanolP&T_00068	100 mL	8270 TCLP Stk_00033	10 mL	1,4-Dichlorobenzene	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2-Methylphenol	50 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Methylphenol	100 ug/mL
							4-Methylphenol	100 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Pyridine	50 ug/mL
.8270 TCLP Stk_00033	04/17/15	Supelco, Lot LC00302			(Purchased Reagent)		1,4-Dichlorobenzene	500 ug/mL
							2,4,5-Trichlorophenol	500 ug/mL
							2,4,6-Trichlorophenol	500 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2-Methylphenol	500 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	500 ug/mL
							Hexachloroethane	500 ug/mL
							Nitrobenzene	500 ug/mL
							Pentachlorophenol	1000 ug/mL
							Pyridine	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alt Li Pb Zn_00001	10/01/13	09/25/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Pb_00012	0.009 mL	Lead	0.009 ppm
.1000 Pb_00012	06/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
Hg Daily Spk_00912	10/05/13	10/04/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00058	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00058	10/07/13	09/09/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg H20 ICV_00601	10/05/13	10/04/13	1% HNO3, Lot K23022	100 mL	Hg Biwk ICV_00117	1 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00117	10/04/13	09/20/13	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00005	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00005	03/27/14	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
Hg H2O CCV_00590	10/05/13	10/04/13	1% HNO3, Lot K23022	100 mL	Hg Daily Spk_00912	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00912	10/05/13	10/04/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00058	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00058	10/07/13	09/09/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
ICP CCVL_00335	10/01/13	09/25/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00311	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Selenium	1 mg/L
							Barium	0.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Silver	0.5 mg/L
.ICP ICAL1A_00311	10/01/13	09/18/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					Icp cal std 3_00007	5 mL	Barium	1 mg/L
							Cadmium	1 mg/L
							Chromium	1 mg/L
							Silver	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Barium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Silver	100 mg/L
ICP ICSA_00077	02/01/14	08/22/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	200 mg/L
							Mg	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ICP ICSAB_00072	12/30/13	09/20/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	10000 Si_00008	0.25 mL	Si	10 mg/L
					ANALYTES B_00006	2.5 mL	Barium	0.5 mg/L
							Be	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Co	0.5 mg/L
							Cu	0.5 mg/L
							Lead	1 mg/L
							Mn	0.5 mg/L
							Ni	1 mg/L
							Silver	1 mg/L
							V	0.5 mg/L
							Zn	1 mg/L
					ICP ISAB 1B_00005	2.5 mL	Tl	10 mg/L
					ICP ISAB STD1_00005	2.5 mL	Arsenic	2 mg/L
							B	2 mg/L
							K	50 mg/L
							Li	1 mg/L
							Mo	1 mg/L
							Na	50 mg/L
							P	2 mg/L
							Sb	1 mg/L
							Selenium	5 mg/L
							Sr	1 mg/L
					ICP ISAB STD2_00005	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00008	25 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	200 mg/L
							Mg	500 mg/L
.10000 Si_00008	04/01/14	Inorganic ventures, Lot F2-SI03018			(Purchased Reagent)		Si	10000 mg/L
.ANALYTES B_00006	12/30/13	SPEX, Lot 7-166YPY			(Purchased Reagent)		Barium	50 mg/L
							Be	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Co	50 mg/L
							Cu	50 mg/L
							Lead	100 mg/L
							Mn	50 mg/L
							Ni	100 mg/L
							Silver	100 mg/L
							V	50 mg/L
							Zn	100 mg/L
.ICP ISAB 1B_00005	04/11/14	High Purity, Lot 1309814			(Purchased Reagent)		Tl	1000 mg/L
.ICP ISAB STD1_00005	04/11/14	High Purity, Lot 1309813			(Purchased Reagent)		Arsenic	200 mg/L
							B	200 mg/L
							K	5000 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Li	100 mg/L
							Mo	100 mg/L
							Na	5000 mg/L
							P	200 mg/L
							Sb	100 mg/L
							Selenium	500 mg/L
							Sr	100 mg/L
.ICP ISAB STD2_00005	04/11/14		High Purity, Lot 1309815		(Purchased Reagent)		Sn	1000 mg/L
							Ti	100 mg/L
.Icp stk ICSA_00008	02/01/14		Inorganic Ventures, Lot F2-MEB454028		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
ICP ICVL_00098	03/07/14	09/24/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00005	2 mL	Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Cadmium	0.25 mg/L
							Chromium	0.25 mg/L
							Lead	0.25 mg/L
							Selenium	0.5 mg/L
					Icp ICVL B_00005	2 mL	Silver	0.25 mg/L
.Icp ICVL A_00005	03/07/14		High Purity, Lot 1306335		(Purchased Reagent)		Arsenic	25 mg/L
							Barium	25 mg/L
							Cadmium	25 mg/L
							Chromium	25 mg/L
							Lead	25 mg/L
							Selenium	50 mg/L
.Icp ICVL B_00005	03/07/14		HIGH PURITY, Lot 1306324		(Purchased Reagent)		Silver	25 mg/L
ICP PDS 1_00006	07/01/14		Inorganic Ventures, Lot G2-MEB476098		(Purchased Reagent)		Arsenic	20 mg/L
							Barium	10 mg/L
							Cadmium	5 mg/L
							Chromium	5 mg/L
							Lead	10 mg/L
							Selenium	20 mg/L
							Silver	5 mg/L
ICP RL STD_00997	09/26/13	09/25/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00005	0.1 mL	Barium	0.005 mg/L
							Cadmium	0.005 mg/L
							Chromium	0.01 mg/L
							Silver	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Arsenic	0.01 mg/L
							Selenium	0.01 mg/L
.ICP RL STD3A_00005	07/01/14		Inorganic Ventures, Lot G2-MEB481019		(Purchased Reagent)		Barium	5 mg/L
							Cadmium	5 mg/L
							Chromium	10 mg/L
							Silver	10 mg/L
.ICP RLSTD 1A_00006	07/01/14		Inorganic Ventures, Lot G2-MEB481018		(Purchased Reagent)		Arsenic	10 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Selenium	10 mg/L
ICP SPK 2A_00064	08/01/14	Inorganic Ventures, Lot G2-MEB477031			(Purchased Reagent)		B	100 mg/L
							Mo	100 mg/L
							Sb	50 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00066	08/01/14	Inorganic Ventures, Lot G2-MEB465153			(Purchased Reagent)		Al	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Be	5 mg/L
							Bi	200 mg/L
							Ca	5000 mg/L
							Cadmium	10 mg/L
							Chromium	20 mg/L
							Co	50 mg/L
							Cu	25 mg/L
							Fe	100 mg/L
							K	5000 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Mg	5000 mg/L
							Mn	50 mg/L
							Na	5000 mg/L
							Ni	50 mg/L
							P	1000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sr	100 mg/L
							Th	100 mg/L
							Tl	200 mg/L
							U	200 mg/L
							V	50 mg/L
							Zn	50 mg/L
MS-HSLA004_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	10 uL	2,4,6 - Tribromophenol	4 ug/mL
							2,4,6-Tribromophenol	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol	4 ug/mL
							Nitrobenzene-d5	4 ug/mL
							Phenol-d5	4 ug/mL
							Terphenyl-d14	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4.0439 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,3-Dinitrobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Hexadecane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							n-Decane	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Atrazine	4 ug/mL
							Benzidine	4 ug/mL
							Caprolactam	4 ug/mL
							Benzoic acid	8 ug/mL
							Indene	4 ug/mL
							Famphur	4 ug/mL
							2,3-Dichlorobenzenamine	4 ug/mL
							3,5-Dimethylphenol	4 ug/mL
							Alachlor	4 ug/mL
							Alpha Methyl Styrene	4 ug/mL
							Benzo[e]pyrene	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA010_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	25 uL	2,4,6 - Tribromophenol	10 ug/mL
							2,4,6-Tribromophenol	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol	10 ug/mL
							Nitrobenzene-d5	10 ug/mL
							Phenol-d5	10 ug/mL
							Terphenyl-d14	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10.1097 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							Caprolactam	10 ug/mL
							Benzoic acid	20 ug/mL
							Indene	10 ug/mL
							Famphur	10 ug/mL
							2,3-Dichlorobenzenamine	10 ug/mL
							3,5-Dimethylphenol	10 ug/mL
							Alachlor	10 ug/mL
							Alpha Methyl Styrene	10 ug/mL
							Benzo[e]pyrene	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA020_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	50 uL	2,4,6 - Tribromophenol	20 ug/mL
							2,4,6-Tribromophenol	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Phenol-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20.2195 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							Caprolactam	20 ug/mL
							Benzoic acid	40 ug/mL
							Indene	20 ug/mL
							Famphur	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3-Dichlorobenzenamine	20 ug/mL
							3,5-Dimethylphenol	20 ug/mL
							Alachlor	20 ug/mL
							Alpha Methyl Styrene	20 ug/mL
							Benzo[e]pyrene	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA050_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	125 uL	2,4,6 - Tribromophenol	50 ug/mL
							2,4,6-Tribromophenol	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol	50 ug/mL
							Nitrobenzene-d5	50 ug/mL
							Phenol-d5	50 ug/mL
							Terphenyl-d14	50 ug/mL
							1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50.5487 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Hexadecane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							n-Decane	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	50 ug/mL
							Benzidine	50 ug/mL
							Caprolactam	50 ug/mL
							Benzoic acid	100 ug/mL
							Indene	50 ug/mL
							Famphur	50 ug/mL
							2,3-Dichlorobenzenamine	50 ug/mL
							3,5-Dimethylphenol	50 ug/mL
							Alachlor	50 ug/mL
							Alpha Methyl Styrene	50 ug/mL
							Benzo[e]pyrene	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA080_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6 - Tribromophenol	80 ug/mL
							2,4,6-Tribromophenol	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Phenol-d5	80 ug/mL
							Terphenyl-d14	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							Indene	80 ug/mL
							Famphur	80 ug/mL
							2,3-Dichlorobenzenamine	80 ug/mL
							3,5-Dimethylphenol	80 ug/mL
							Alachlor	80 ug/mL
							Alpha Methyl Styrene	80 ug/mL
							Benzo[e]pyrene	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA120_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	300 uL	2,4,6 - Tribromophenol	120 ug/mL
							2,4,6-Tribromophenol	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol	120 ug/mL
							Nitrobenzene-d5	120 ug/mL
							Phenol-d5	120 ug/mL
							Terphenyl-d14	120 ug/mL
							1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	121.317 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,3-Dinitrobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Hexadecane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	120 ug/mL
							n-Decane	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	120 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Atrazine	120 ug/mL
							Benzidine	120 ug/mL
							Caprolactam	120 ug/mL
							Benzoic acid	240 ug/mL
							Indene	120 ug/mL
							Famphur	120 ug/mL
							2,3-Dichlorobenzenamine	120 ug/mL
							3,5-Dimethylphenol	120 ug/mL
							Alachlor	120 ug/mL
							Alpha Methyl Styrene	120 ug/mL
							Benzo[e]pyrene	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA160_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	400 uL	2,4,6 - Tribromophenol	160 ug/mL
							2,4,6-Tribromophenol	160 ug/mL
							2-Fluorobiphenyl	160 ug/mL
							2-Fluorophenol	160 ug/mL
							Nitrobenzene-d5	160 ug/mL
							Phenol-d5	160 ug/mL
							Terphenyl-d14	160 ug/mL
							1,1'-Biphenyl	160 ug/mL
							1,2,4,5-Tetrachlorobenzene	160 ug/mL
							1,2,4-Trichlorobenzene	160 ug/mL
							1,2-Dichlorobenzene	160 ug/mL
							1,2-Diphenylhydrazine	161.756 ug/mL
							1,3-Dichlorobenzene	160 ug/mL
							1,3-Dinitrobenzene	160 ug/mL
							1,4-Dichlorobenzene	160 ug/mL
							1,4-Dioxane	160 ug/mL
							1-Methylnaphthalene	160 ug/mL
							2,2'-oxybis[1-chloropropane]	160 ug/mL
							2,3,4,6-Tetrachlorophenol	160 ug/mL
							2,4,5-Trichlorophenol	160 ug/mL
							2,4,6-Trichlorophenol	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	160 ug/mL
							2,4-Dimethylphenol	160 ug/mL
							2,4-Dinitrophenol	320 ug/mL
							2,4-Dinitrotoluene	160 ug/mL
							2,6-Dinitrotoluene	160 ug/mL
							2-Chloronaphthalene	160 ug/mL
							2-Chlorophenol	160 ug/mL
							2-Methylnaphthalene	160 ug/mL
							2-Methylphenol	160 ug/mL
							2-Nitroaniline	160 ug/mL
							2-Nitrophenol	160 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	160 ug/mL
							4,6-Dinitro-2-methylphenol	320 ug/mL
							4-Bromophenyl phenyl ether	160 ug/mL
							4-Chloro-3-methylphenol	160 ug/mL
							4-Chloroaniline	160 ug/mL
							4-Chlorophenyl phenyl ether	160 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	160 ug/mL
							4-Nitrophenol	320 ug/mL
							Acenaphthene	160 ug/mL
							Acenaphthylene	160 ug/mL
							Acetophenone	160 ug/mL
							Aniline	160 ug/mL
							Anthracene	160 ug/mL
							Azobenzene	160 ug/mL
							Benzo[a]anthracene	160 ug/mL
							Benzo[a]pyrene	160 ug/mL
							Benzo[b]fluoranthene	160 ug/mL
							Benzo[g,h,i]perylene	160 ug/mL
							Benzo[k]fluoranthene	160 ug/mL
							Benzyl alcohol	160 ug/mL
							Bis(2-chloroethoxy)methane	160 ug/mL
							Bis(2-chloroethyl)ether	160 ug/mL
							Bis(2-ethylhexyl) phthalate	160 ug/mL
							Butyl benzyl phthalate	160 ug/mL
							Carbazole	160 ug/mL
							Chrysene	160 ug/mL
							Di-n-butyl phthalate	160 ug/mL
							Di-n-octyl phthalate	160 ug/mL
							Dibenz(a,h)anthracene	160 ug/mL
							Dibenzofuran	160 ug/mL
							Diethyl phthalate	160 ug/mL
							Dimethyl phthalate	160 ug/mL
							Fluoranthene	160 ug/mL
							Fluorene	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	160 ug/mL
							Hexachlorobutadiene	160 ug/mL
							Hexachlorocyclopentadiene	160 ug/mL
							Hexachloroethane	160 ug/mL
							Hexadecane	160 ug/mL
							Indeno[1,2,3-cd]pyrene	160 ug/mL
							Isophorone	160 ug/mL
							n-Decane	160 ug/mL
							N-Nitrosodi-n-propylamine	160 ug/mL
							N-Nitrosodimethylamine	160 ug/mL
							Naphthalene	160 ug/mL
							Nitrobenzene	160 ug/mL
							Pentachlorophenol	320 ug/mL
							Phenanthrene	160 ug/mL
							Phenol	160 ug/mL
							Pyrene	160 ug/mL
							Pyridine	160 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL
							Atrazine	160 ug/mL
							Benzidine	160 ug/mL
							Caprolactam	160 ug/mL
							Benzoic acid	320 ug/mL
							Indene	160 ug/mL
							Famphur	160 ug/mL
							2,3-Dichlorobenzenamine	160 ug/mL
							3,5-Dimethylphenol	160 ug/mL
							Alachlor	160 ug/mL
							Alpha Methyl Styrene	160 ug/mL
							Benzo[e]pyrene	160 ug/mL
							N-Nitrosodiphenylamine	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA200_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	500 uL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
							1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
							Benzoic acid	400 ug/mL
							Indene	200 ug/mL
							Famphur	200 ug/mL
							2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14	Restek, Lot A093709			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLACCV080_00004	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6-Tribromophenol	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Phenol-d5	80 ug/mL
							Terphenyl-d14	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	80 ug/mL
							2-Methylphenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Pyridine	80 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00001	2 mL	1,4-Dichlorobenzene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2-Methylphenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Pyridine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	1000 ug/mL
MS-HSLB1B3SSV_00001	04/04/14	09/03/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLB1_STK_00002	250 uL	1,4-Dichlorobenzene	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2-Methylphenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Pyridine	100 ug/mL
.MS-HSLB1_STK_00002	08/31/14	09/03/13	Methylene Chloride, Lot 42358	10 mL	MS-567672SEC_00001	2 mL	1,4-Dichlorobenzene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2-Methylphenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Pyridine	200 ug/mL
..MS-567672SEC_00001	08/31/14	Restek, Lot A094002			(Purchased Reagent)		1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	1000 ug/mL
TCLP Spike_00009	06/01/14	Inorganic Ventures, Lot G2-MEB477032			(Purchased Reagent)		Arsenic	300 mg/L
							Barium	1000 mg/L
							Cadmium	100 mg/L
							Chromium	500 mg/L
							Cu	200 mg/L
							Lead	500 mg/L
							Selenium	100 mg/L
							Silver	100 mg/L
							Zn	200 mg/L

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB Unknown #2

TestAmerica Job ID: 280-46620-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	ELAP	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAP	4	E87667
TestAmerica Denver	Illinois	NELAP	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAP	7	E-10166
TestAmerica Denver	Louisiana	NELAP	6	02096
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAP	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAP	1	205310
TestAmerica Denver	New Jersey	NELAP	2	CO004
TestAmerica Denver	New Mexico	State Program	6	CO00026
TestAmerica Denver	New York	NELAP	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAP	10	CO200001
TestAmerica Denver	Pennsylvania	NELAP	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Texas	NELAP	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-13-00202
TestAmerica Denver	Utah	NELAP	8	CO000262012-4
TestAmerica Denver	Virginia	NELAP	3	460232
TestAmerica Denver	Washington	State Program	10	C583
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Vf-5MS (30.2 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
AOI474TCLP02AA	280-46620-1	79	69	84	75	87	92
	LB 280-191495/1-B	76	64	86	78	87	91
	LCS 280-191495/2-B	68	60	74	70	77	91
AOI474TCLP02AA MS	280-46620-1 MS	84	75	90	82	94	100
AOI474TCLP02AA MSD	280-46620-1 MSD	79	70	86	75	85	90

	QC LIMITS
2FP = 2-Fluorophenol	50-120
PHL = Phenol-d5	47-120
NBZ = Nitrobenzene-d5	51-120
FBP = 2-Fluorobiphenyl	49-120
TBP = 2,4,6-Tribromophenol	51-120
TPH = Terphenyl-d14	56-120

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: B2-2145.D

Lab ID: LCS 280-191495/2-B Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
2-Methylphenol	0.481	0.332	69	45-120	
3 & 4 Methylphenol	0.962	0.700	73	44-120	
1,4-Dichlorobenzene	0.481	0.274	57	36-120	
2,4-Dinitrotoluene	0.192	0.0925 J	48	36-120	
Hexachlorobenzene	0.192	0.131	68	52-120	
Hexachlorobutadiene	0.481	0.251	52	35-120	
Hexachloroethane	0.481	0.253	53	35-120	
Nitrobenzene	0.481	0.344	72	50-120	
Pentachlorophenol	0.962	0.664	69	39-120	
Pyridine	0.481	0.131 J	27	10-121	
2,4,6-Trichlorophenol	0.481	0.348	72	43-120	
2,4,5-Trichlorophenol	0.481	0.357	74	46-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: B2-2162.D

Lab ID: 280-46620-1 MS Client ID: AOI474TCLP02AA MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
2-Methylphenol	0.481	0.039 U	0.404	84	45-120	
3 & 4 Methylphenol	0.962	0.0098 U	0.832	87	44-120	
1,4-Dichlorobenzene	0.481	0.0098 U	0.317	66	36-120	
2,4-Dinitrotoluene	0.192	0.039 U	0.118	62	36-120	
Hexachlorobenzene	0.192	0.0098 U	0.143	74	52-120	
Hexachlorobutadiene	0.481	0.098 U	0.289	60	35-120	
Hexachloroethane	0.481	0.039 U	0.291	60	35-120	
Nitrobenzene	0.481	0.020 U	0.414	86	50-120	
Pentachlorophenol	0.962	0.39 U	0.849	88	39-120	
Pyridine	0.481	0.020 U	0.259	54	10-121	
2,4,6-Trichlorophenol	0.481	0.0098 U	0.429	89	43-120	
2,4,5-Trichlorophenol	0.481	0.0098 U	0.434	90	46-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Matrix: Solid (TCLP) Level: Low Lab File ID: B2-2203.D

Lab ID: 280-46620-1 MSD Client ID: AOI474TCLP02AA MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Methylphenol	0.490	0.397	81	2	30	45-120	
3 & 4 Methylphenol	0.980	0.806	82	3	30	44-120	
1,4-Dichlorobenzene	0.490	0.309	63	3	30	36-120	
2,4-Dinitrotoluene	0.196	0.114	58	4	30	36-120	
Hexachlorobenzene	0.196	0.139	71	3	30	52-120	
Hexachlorobutadiene	0.490	0.282	58	2	30	35-120	
Hexachloroethane	0.490	0.285	58	2	30	35-120	
Nitrobenzene	0.490	0.405	83	2	30	50-120	
Pentachlorophenol	0.980	0.791	81	7	30	39-120	
Pyridine	0.490	0.0954 J	19	92	30	10-121	J
2,4,6-Trichlorophenol	0.490	0.407	83	5	30	43-120	
2,4,5-Trichlorophenol	0.490	0.396	81	9	30	46-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab File ID: B2-2126.D DFTPP Injection Date: 09/20/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 08:07

Analysis Batch No.: 192371

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	51.8	
68	Less than 2.0 % of mass 69	0.2	(0.4)1
69	Mass 69 relative abundance	46.4	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	55.6	
197	Less than 1.0 % of mass 198	0.6	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	26.5	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	15.1	(83.9)3
442	Greater than 40.0 % of mass 198	93.1	
443	17.0 - 23.0 % of mass 442	18.0	(19.4)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 280-192371/3	B2-2127.D	09/20/2013	08:21
	STD004 280-192371/4	B2-2128.D	09/20/2013	08:50
	STD010 280-192371/5	B2-2129.D	09/20/2013	09:20
	STD020 280-192371/6	B2-2130.D	09/20/2013	09:51
	STD050 280-192371/7	B2-2131.D	09/20/2013	10:20
	STD120 280-192371/8	B2-2132.D	09/20/2013	10:50
	STD160 280-192371/9	B2-2133.D	09/20/2013	11:21
	STD200 280-192371/10	B2-2134.D	09/20/2013	11:52
	ICV 280-192371/11	B2-2135.D	09/20/2013	12:22
	ICV 280-192371/12	B2-2136.D	09/20/2013	12:51
	ICV 280-192371/14	B2-2137.D	09/20/2013	13:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab File ID: B2-2138.D DFTPP Injection Date: 09/20/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 15:10

Analysis Batch No.: 192457

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	54.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	48.5	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	56.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.1	
365	Greater than 1.0 % of mass 198	2.7	
441	Present but less than mass 443	13.3	(85.1)3
442	Greater than 40.0 % of mass 198	78.3	
443	17.0 - 23.0 % of mass 442	15.7	(20.0)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-192457/3	B2-2139.D	09/20/2013	15:23
	LB 280-191495/1-B	B2-2144.D	09/20/2013	17:54
	LCS 280-191495/2-B	B2-2145.D	09/20/2013	18:23
AOI474TCLP02AA	280-46620-1	B2-2161.D	09/21/2013	02:26
AOI474TCLP02AA MS	280-46620-1 MS	B2-2162.D	09/21/2013	02:56

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab File ID: B2-2197.D DFTPP Injection Date: 09/25/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 11:54

Analysis Batch No.: 193045

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	56.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	47.8	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	56.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.5	
275	10.0 - 30.0 % of mass 198	26.2	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	14.6	(86.0)3
442	Greater than 40.0 % of mass 198	86.8	
443	17.0 - 23.0 % of mass 442	16.9	(19.5)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-193045/3	B2-2198.D	09/25/2013	12:07
AOI474TCLP02AA MSD	280-46620-1 MSD	B2-2203.D	09/25/2013	14:30

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Sample No.: ICIS 280-192371/3 Date Analyzed: 09/20/2013 08:21

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): B2-2127.D Heated Purge: (Y/N) N

Calibration ID: 15566

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		332766	4.80	1301870	6.04	763914	7.81
UPPER LIMIT		665532	5.30	2603740	6.54	1527828	8.31
LOWER LIMIT		166383	4.30	650935	5.54	381957	7.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-192371/12		434895	4.79	1698674	6.03	984534	7.80
ICV 280-192371/14		417329	4.79	1627551	6.03	943520	7.80
CCV 280-192457/3		296333	4.80	1153152	6.04	684970	7.80
LB 280-191495/1-B		314993	4.79	1236968	6.03	720001	7.80
LCS 280-191495/2-B		315104	4.79	1261676	6.03	727291	7.80
280-46620-1	AOI474TCLP02AA	341938	4.79	1318722	6.03	775426	7.79
280-46620-1 MS	AOI474TCLP02AA MS	329083	4.79	1295241	6.03	746402	7.80
CCV 280-193045/3		314072	4.79	1242371	6.03	711784	7.80
280-46620-1 MSD	AOI474TCLP02AA MSD	325388	4.79	1291526	6.02	758358	7.79

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Sample No.: ICIS 280-192371/3 Date Analyzed: 09/20/2013 08:21

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): B2-2127.D Heated Purge: (Y/N) N

Calibration ID: 15566

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1239931	9.32	1368336	13.82	1270962	18.06
UPPER LIMIT		2479862	9.82	2736672	14.32	2541924	18.56
LOWER LIMIT		619966	8.82	684168	13.32	635481	17.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-192371/12		1682740	9.31	1823861	13.80	1685565	18.05
ICV 280-192371/14		1538757	9.32	1630771	13.81	1527345	18.05
CCV 280-192457/3		1126789	9.32	1232275	13.82	1124773	18.06
LB 280-191495/1-B		1264161	9.31	1314556	13.80	1222679	18.05
LCS 280-191495/2-B		1229765	9.31	1259280	13.80	1170281	18.04
280-46620-1	AOI474TCLP02AA	1313520	9.31	1362168	13.80	1291469	18.04
280-46620-1 MS	AOI474TCLP02AA MS	1237636	9.31	1286921	13.80	1217077	18.04
CCV 280-193045/3		1175297	9.31	1262971	13.80	1212589	18.04
280-46620-1 MSD	AOI474TCLP02AA MSD	1259771	9.31	1309619	13.79	1240022	18.03

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-46620-1

SDG No.:

Client Sample ID: AOI474TCLP02AA | Lab Sample ID: 280-46620-1

Matrix: Solid (TCLP) | Lab File ID: B2-2161.D

Analysis Method: 8270C | Date Collected: 09/12/2013 10:30

Extract. Method: 3510C | Date Extracted: 09/17/2013 16:55

Sample wt/vol: 102(mL) | Date Analyzed: 09/21/2013 02:26

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 192457 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.039	U	0.098	0.039	0.0096
15831-10-4	3 & 4 Methylphenol	0.0098	U	0.098	0.0098	0.0025
STL00160	Total Cresols	0.039	U	0.098	0.039	0.0025
106-46-7	1,4-Dichlorobenzene	0.0098	U	0.039	0.0098	0.0031
121-14-2	2,4-Dinitrotoluene	0.039	U	0.098	0.039	0.016
118-74-1	Hexachlorobenzene	0.0098	U	0.098	0.0098	0.0065
87-68-3	Hexachlorobutadiene	0.098	U	0.098	0.098	0.032
67-72-1	Hexachloroethane	0.039	U	0.098	0.039	0.021
98-95-3	Nitrobenzene	0.020	U	0.098	0.020	0.0079
87-86-5	Pentachlorophenol	0.39	U	0.49	0.39	0.20
110-86-1	Pyridine	0.020	U	0.20	0.020	0.011
88-06-2	2,4,6-Trichlorophenol	0.0098	U	0.049	0.0098	0.0027
95-95-4	2,4,5-Trichlorophenol	0.0098	U	0.098	0.0098	0.0043

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	75		49-120
367-12-4	2-Fluorophenol	79		50-120
4165-62-2	Phenol-d5	69		47-120
118-79-6	2,4,6-Tribromophenol	87		51-120
1718-51-0	Terphenyl-d14	92		56-120
4165-60-0	Nitrobenzene-d5	84		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2161.D
Lims ID: 280-46620-B-1-B
Client ID: AOI474TCLP02AA
Inject. Date: 21-Sep-2013 02:26:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 280-46620-B-1-B
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 24
Lims Batch ID: 192457
Lims Sample ID: 46
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15540.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Sep-2013 08:20:29
Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK001

First Level Reviewer: kiekeld
Date: 23-Sep-2013 08:19:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.791	4.796	-0.005	90	341938	40.0	
* 2 Naphthalene-d8	136	6.030	6.035	-0.005	99	1318722	40.0	
* 3 Acenaphthene-d10	164	7.793	7.804	-0.011	99	775426	40.0	
* 4 Phenanthrene-d10	188	9.309	9.320	-0.011	99	1313520	40.0	
* 5 Chrysene-d12	240	13.798	13.820	-0.022	76	1362168	40.0	
* 6 Perylene-d12	264	18.040	18.063	-0.023	97	1291469	40.0	
$ 7 2-Fluorophenol	112	3.615	3.621	-0.006	97	935588	78.5	
$ 8 Phenol-d5	99	4.432	4.431	0.001	99	1030326	69.2	
$ 9 Nitrobenzene-d5	82	5.319	5.325	-0.005	97	1048067	84.5	
$ 10 2,4,6-Trichlorophenol-d2	198		6.898					
$ 11 2-Fluorobiphenyl	172	7.088	7.093	-0.005	88	1905625	75.0	
$ 12 2,4,6-Tribromophenol	330	8.604	8.609	-0.005	97	299028	87.4	
$ 13 Terphenyl-d14	244	11.436	11.441	-0.005	99	2499986	92.0	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		2.062					
18 2-Ethoxyethanol	59		2.234					
19 1,4-Dioxane	88		2.263					
20 N-Nitrosodimethylamine	74		2.504					
21 Pyridine	79		2.551					
22 Dimethylformamide	73		2.777					
23 2-Picoline	93		3.210					
24 N-Nitrosomethylethylamine	88		3.287					
25 Acrylamide	71		3.475					
26 Methyl methanesulfonate	80		3.527					
27 N-Nitrosodiethylamine	102		3.868					
28 Pentachlorophenol_T	266		3.935					
29 Ethyl methanesulfonate	79		4.109					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.440					
32 Phenol	94		4.443					
33 Phenylmercaptan	110		4.346					
34 Aniline	93		4.490					
35 Alpha Methyl Styrene	118		4.520					
36 Bis(2-chloroethyl)ether	93		4.520					
37 Pentachloroethane	117		4.579					
38 n-Decane	43		4.572					
39 2-Chlorophenol	128		4.608					
40 1,3-Dichlorobenzene	146		4.743					
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146		4.813					9
43 Benzyl alcohol	108		4.907					
44 1,2-Dichlorobenzene	146		4.960					
45 2-Methylphenol	108		5.007					
46 2,2'-oxybis[1-chloropropane]	45		5.013					
47 Indene	116		5.042					
48 Benzidine_T	184		5.074					
49 3 & 4 Methylphenol	108		5.154					
50 3-Methylphenol	108		5.154					
51 4-Methylphenol	108		5.154					
52 N-Nitrosodi-n-propylamine	70		5.148					
53 N-Nitrosopyrrolidine	100		5.190					
54 Acetophenone	105		5.166					
55 N-Nitrosomorpholine	116		5.220					
56 4,4'-DDE	246		5.137					
57 2-Toluidine	106		5.237					
58 Hexachloroethane	117		5.283					
59 Nitrobenzene	77		5.348					9
60 Triethyl phosphate	99		5.303					
61 N-Nitrosopiperidine	114		5.525					
62 4,4'-DDD	235		5.454					
63 Isophorone	82		5.560					
64 2-Nitrophenol	139		5.654					
65 2,4-Dimethylphenol	107		5.665					
66 Benzyl dichloride	125		5.577					
67 o,o',o''-Triethylphosphorothioat	198		5.731					
68 Benzoic acid	105		5.771					
69 Bis(2-chloroethoxy)methane	93		5.748					
70 4,4'-DDT	235		5.762					
71 3,5-Dimethylphenol	107		5.795					
72 2,4-Xylidine	121		5.742					
73 alpha,alpha-Dimethyl phenethylam	58		5.866					
74 2,4-Dichlorophenol	162		5.894					
75 o-Anisidine	80		5.782					
76 1,2,4-Trichlorobenzene	180		5.965					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.915					
79 Naphthalene	128		6.053					
80 4-Chloroaniline	127		6.100					
81 2,6-Dichlorophenol	162		6.130					
82 Hexachloropropene	213		6.166					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225		6.147					
84 Quinoline	129		6.418					
85 N-Nitrosodi-n-butylamine	84		6.424					
86 Caprolactam	55		6.447					
87 p-Phenylene diamine	108		6.477					
88 5-Methyl-o-Anisidine	122		6.400					
89 4-Chloro-3-methylphenol	107		6.576					
90 Safrole, Total	162		6.659					
91 Carbofuran phenol	164		6.538					
92 1,3-phenylenediamine	108		6.542					
93 2-Methylnaphthalene	142		6.735					
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.691					
96 1-Methylnaphthalene	142		6.840					
97 Hexachlorocyclopentadiene	237		6.882					
98 1,2,4,5-Tetrachlorobenzene	216		6.905					
99 Isosafrole Peak 1	162		6.953					
100 2,4,6-Trichlorophenol	196		7.023					
101 2,3-Dichlorobenzenamine	161		7.028					
102 2,4,5-Trichlorophenol	196		7.075					
103 Isosafrole Peak 2	104		7.182					
104 1,1'-Biphenyl	154		7.199					
105 Toluene diamine (2,4- + 2,6- iso	122		7.098					
106 2-Chloronaphthalene	162		7.234					
107 1-Chloronaphthalene	162		7.294					
108 2-Nitroaniline	65		7.346					
109 1,4-Naphthoquinone	158		7.446					
110 1,4-Dinitrobenzene	168		7.499					
111 Dimethyl phthalate	163		7.487					
112 1,3-Dinitrobenzene	168		7.551					
113 2,6-Dinitrotoluene	165		7.569					
114 Acenaphthylene	152		7.663					
115 3-Nitroaniline	138		7.763					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.854					
117 Acenaphthene	153		7.833					
118 2,4-Dinitrophenol	184		7.863					
119 4-Nitrophenol	109		7.939					
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.966					
121 Pentachlorobenzene	250		7.993					
122 2,4-Dinitrotoluene	165		7.986					
123 Dibenzofuran	168		8.010					
124 1-Naphthylamine	143		8.122					
125 2,3,4,6-Tetrachlorophenol	232		8.133					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.159					
127 Hexadecane	57		8.151					
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.195					
129 2-Naphthylamine	143		8.204					
130 Diethyl phthalate	149		8.186					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.271					
133 Thionazin	97		8.304					
134 4-Chlorophenyl phenyl ether	204		8.333					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.356					
136 Tributyl phosphate	99		8.264					
137 N-Nitro-o-toluidine	152		8.398					
138 4-Nitroaniline	138		8.392					
139 4,6-Dinitro-2-methylphenol	198		8.397					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.424					
141 N-Nitrosodiphenylamine	169		8.456					
142 Diphenylamine	169		8.486					
143 1,2-Diphenylhydrazine	77		8.497					
144 Azobenzene	77		8.497					
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.524					
146 Sulfotepp	97		8.586					
147 2,4,6 - Tribromophenol	330		8.609					
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.641					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.745					
151 1,3,5-Trinitrobenzene	213		8.745					
152 Phorate	121		8.762					
153 Phenacetin	108		8.780					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.794					
155 Diallate Peak 2	86		8.845					
156 4-Bromophenyl phenyl ether	248		8.832					
157 Hexachlorobenzene	284		8.914					
158 Dimethoate	87		8.956					
159 Atrazine	200		8.973					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		9.035					
161 n-Octadecane	85		9.079					
162 4-Aminobiphenyl	169		9.138					
163 Pentachlorophenol	266		9.120					
164 Pentachloronitrobenzene	237		9.150					
165 Pronamide	173		9.150					
166 Disulfoton	88		9.285					
167 Dinoseb	211		9.297					
168 Phenanthrene	178		9.343					
169 Anthracene	178		9.396					
170 Carbazole	167		9.567					
171 Alachlor	188		9.655					
172 Methyl parathion	109		9.708					
173 Di-n-butyl phthalate	149		9.872					
174 Ethyl Parathion	109		10.161					
175 4-Nitroquinoline-1-oxide	190		10.296					
176 Methapyrilene	97		10.319					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.648					
179 Fluoranthene	202		10.847					
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		11.053					
182 Pyrene	202		11.229					
183 Aramite Peak 1	185		11.395					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.536					
186 p-Dimethylamino azobenzene	120		11.759					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.818					
188 Famphur	218		12.293					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.399					
191 3,3'-Dimethylbenzidine	212		12.482					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		13.069					
195 Bis(2-ethylhexyl) phthalate	149		13.791					
196 4,4'-Methylene bis(2-chloroanili	231		13.821					
197 3,3'-Dichlorobenzidine	252		13.762					
198 Benzo[a]anthracene	228		13.785					
199 Chrysene	228		13.891					
200 6-Methylchrysene	242		15.208					
201 Di-n-octyl phthalate	149		15.718					
202 7,12-Dimethylbenz(a)anthracene	256		16.947					
203 Benzo[b]fluoranthene	252		16.876					
204 Benzo[k]fluoranthene	252		16.964					
205 Hexachlorophene	196		12.326					
206 Benzo[e]pyrene	252		17.728					
207 Benzo[a]pyrene	252		17.886					
208 Perylene	252		17.757					
209 3-Methylcholanthrene	268		19.056					
210 Tris(2,3-dibromopropyl)phosphate	119		19.220					
211 Dibenz[a,h]acridine	279		20.737					
212 Dibenz[a,j]acridine	279		20.895					
213 Dibenz(a,h)anthracene	278		21.388					
214 Indeno[1,2,3-cd]pyrene	276		21.306					
215 Benzo[g,h,i]perylene	276		22.087					
216 Dibenzo[a,e]pyrene	302		25.915					
S 217 Total Cresols	108		15.496					7
S 218 Methyl Phenols,Total	108		15.496					7
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

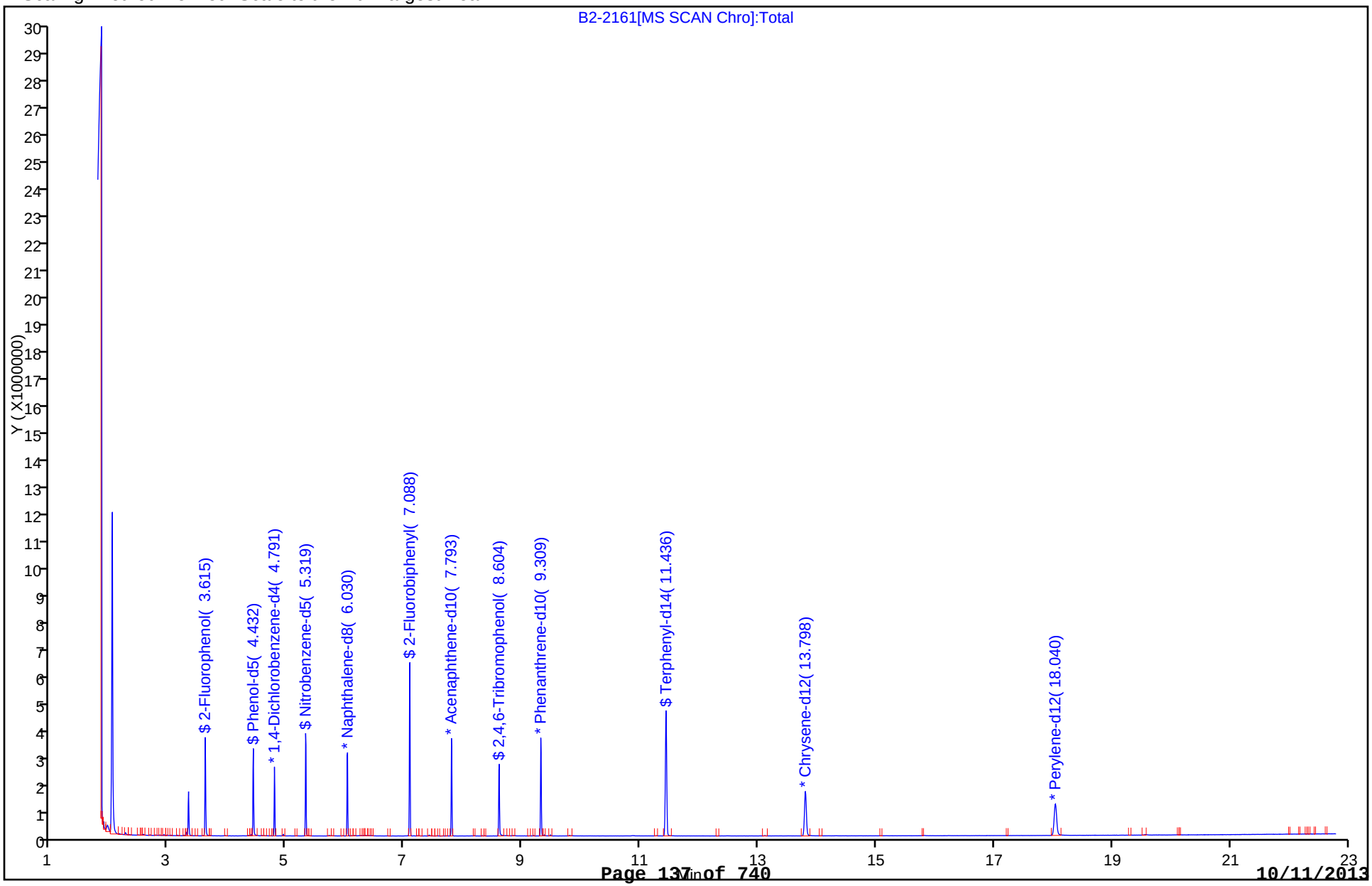
Report Date: 23-Sep-2013 08:20:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2161.D

Injection Date:	21-Sep-2013 02:26:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474TCLP02AA	Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	46
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-192371/4	B2-2128.D
Level 2	STD010 280-192371/5	B2-2129.D
Level 3	STD020 280-192371/6	B2-2130.D
Level 4	STD050 280-192371/7	B2-2131.D
Level 5	ICIS 280-192371/3	B2-2127.D
Level 6	STD120 280-192371/8	B2-2132.D
Level 7	STD160 280-192371/9	B2-2133.D
Level 8	STD200 280-192371/10	B2-2134.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6578 0.5805	0.6124 0.6077	0.6110 0.5759	0.6139	0.5857	Ave		0.6056				4.3		15.0			
N-Nitrosodimethylamine	0.9061 0.8869	0.9024 0.9228	0.9097 0.8792	0.9255	0.8957	Ave		0.9036				1.8		15.0			
Pyridine	1.7078 1.5774	1.5911 1.6608	1.6446 1.5936	1.6724	1.6022	Ave		1.6312				2.9		15.0			
Phenol	1.9025 1.7368	1.8218 1.8124	1.8492 1.7190	1.8232	1.7779	Ave		1.8054				3.3		15.0			
Aniline	2.2879 2.1565	2.2407 2.2540	2.3097 2.1176	2.3024	2.2561	Ave		2.2406				3.1		15.0			
Alpha Methyl Styrene	1.5438 1.3675	1.4295 1.4354	1.4492 1.3473	1.4752	1.3977	Ave		1.4307				4.4		15.0			
Bis(2-chloroethyl)ether	1.5900 1.3367	1.4090 1.3917	1.4355 1.3356	1.4575	1.3475	Ave		1.4129				6.0		15.0			
n-Decane	1.4603 1.2477	1.3479 1.2748	1.3535 1.2025	1.3481	1.3230	Ave		1.3197				6.0		15.0			
2-Chlorophenol	1.4915 1.4186	1.4400 1.4689	1.4833 1.3974	1.4678	1.4285	Ave		1.4495				2.3		15.0			
1,3-Dichlorobenzene	1.6937 1.5302	1.6113 1.5882	1.6200 1.4943	1.6084	1.5579	Ave		1.5880				3.9		15.0			
1,4-Dichlorobenzene	1.8133 1.5453	1.6573 1.6052	1.6465 1.5134	1.6448	1.5533	Ave		1.6224				5.8		15.0			
Benzyl alcohol	0.6931 0.8773	0.7773 0.9355	0.8194 0.8903	0.9080	0.8641	Ave		0.8456				9.4		15.0			
1,2-Dichlorobenzene	1.6742 1.4630	1.5657 1.5365	1.5681 1.4572	1.5691	1.5075	Ave		1.5427				4.5		15.0			
2-Methylphenol	1.3422 1.2672	1.3214 1.3225	1.3468 1.2574	1.3506	1.2999	Ave		1.3135				2.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.8984 1.6497	1.7905 1.6860	1.8094 1.6027	1.7747	1.7736	Ave		1.7481				5.5		15.0			
Indene	2.5886 2.2971	2.4353 2.3683	2.4458 2.2443	2.4559	2.3545	Ave		2.3987				4.5		15.0			
N-Nitrosodi-n-propylamine	1.0460 0.9360	0.9494 0.9781	0.9940 0.9258	1.0099	0.9768	Ave		0.9770			0.0500	4.1		15.0			
3 & 4 Methylphenol	1.3920 1.3566	1.3806 1.3704	1.3862 1.3021	1.4336	1.4030	Ave		1.3781				2.8		15.0			
3-Methylphenol	1.3920 1.3566	1.3806 1.3704	1.3862 1.3021	1.4336	1.4030	Ave		1.3781				2.8		15.0			
4-Methylphenol	1.3920 1.3566	1.3806 1.3704	1.3862 1.3021	1.4336	1.4030	Ave		1.3781				2.8		15.0			
Acetophenone	2.0883 1.8802	1.9795 1.9600	2.0095 1.8750	1.9969	1.9149	Ave		1.9631				3.7		15.0			
Hexachloroethane	0.6212 0.5719	0.5778 0.5997	0.5971 0.5714	0.6017	0.5770	Ave		0.5897				3.0		15.0			
Nitrobenzene	0.3883 0.3698	0.3755 0.3755	0.3847 0.3658	0.3849	0.3779	Ave		0.3778				2.1		15.0			
Isophorone	0.6748 0.6419	0.6372 0.6541	0.6590 0.6343	0.6765	0.6661	Ave		0.6555				2.5		15.0			
2-Nitrophenol	0.1543 0.1932	0.1639 0.1972	0.1766 0.1971	0.1889	0.1909	Ave		0.1828				8.9		15.0			
2,4-Dimethylphenol	0.3599 0.3414	0.3351 0.3425	0.3450 0.3327	0.3561	0.3401	Ave		0.3441				2.8		15.0			
Bis(2-chloroethoxy)methane	0.4654 0.4045	0.4126 0.4034	0.4169 0.3920	0.4203	0.4102	Ave		0.4157				5.3		15.0			
Benzoic acid	0.1320 0.2558	0.1548 0.2652	0.1825 0.2626	0.2165	0.2412	Lin1	-1.676	0.2612							0.9960		0.9900
3,5-Dimethylphenol	0.3706 0.3581	0.3533 0.3602	0.3611 0.3500	0.3799	0.3665	Ave		0.3625				2.7		15.0			
2,4-Dichlorophenol	0.2859 0.2918	0.2687 0.2969	0.2797 0.2920	0.2986	0.2941	Ave		0.2885				3.5		15.0			
1,2,4-Trichlorobenzene	0.3545 0.3161	0.3234 0.3193	0.3242 0.3105	0.3302	0.3179	Ave		0.3245				4.2		15.0			
Naphthalene	1.1416 0.9880	1.0641 0.9744	1.0712 0.9294	1.0678	1.0273	Ave		1.0330				6.5		15.0			
4-Chloroaniline	0.4825 0.4576	0.4613 0.4574	0.4744 0.4469	0.4742	0.4649	Ave		0.4649				2.5		15.0			
Hexachlorobutadiene	0.1739 0.1670	0.1702 0.1692	0.1696 0.1669	0.1716	0.1631	Ave		0.1690				2.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Caprolactam	0.1566 0.1808	0.1663 0.1869	0.1698 0.1945	0.1814	0.1854	Ave		0.1777				7.0		15.0			
4-Chloro-3-methylphenol	0.2905 0.3006	0.2694 0.3047	0.2883 0.2991	0.3044	0.3027	Ave		0.2950				4.1		15.0			
2-Methylnaphthalene	0.7585 0.6913	0.7279 0.6933	0.7258 0.6700	0.7310	0.7118	Ave		0.7137				3.9		15.0			
1-Methylnaphthalene	0.7230 0.6491	0.6933 0.6502	0.6806 0.6324	0.6902	0.6704	Ave		0.6736				4.3		15.0			
Hexachlorocyclopentadiene	0.1305 0.2913	0.1675 0.3138	0.2028 0.3138	0.2553	0.2651	Lin1	-1.126	0.3062			0.0500				0.9940		0.9900
1,2,4,5-Tetrachlorobenzene	0.3241 0.3029	0.3069 0.3082	0.3081 0.3053	0.3111	0.3032	Ave		0.3087				2.2		15.0			
2,4,6-Trichlorophenol	0.2980 0.3433	0.3134 0.3497	0.3279 0.3445	0.3450	0.3402	Ave		0.3328				5.5		15.0			
2,3-Dichlorobenzenamine	0.6815 0.6261	0.6474 0.6246	0.6658 0.6130	0.6523	0.6343	Ave		0.6431				3.6		15.0			
2,4,5-Trichlorophenol	0.3418 0.3687	0.3441 0.3798	0.3648 0.3774	0.3649	0.3622	Ave		0.3630				3.8		15.0			
1,1'-Biphenyl	1.5997 1.4040	1.5410 1.3999	1.5290 1.3361	1.4837	1.4363	Ave		1.4662				6.0		15.0			
2-Chloronaphthalene	1.2447 1.1076	1.1853 1.1214	1.1846 1.0726	1.1686	1.1259	Ave		1.1513				4.7		15.0			
2-Nitroaniline	0.3369 0.3856	0.3342 0.3896	0.3684 0.3823	0.3953	0.3830	Ave		0.3719				6.4		15.0			
Dimethyl phthalate	1.3451 1.2250	1.2550 1.2389	1.2684 1.1915	1.2810	1.2307	Ave		1.2544				3.7		15.0			
1,3-Dinitrobenzene	0.1305 0.2184	0.1554 0.2358	0.1815 0.2282	0.2097	0.2144	Lin2	-0.407	0.2197							0.9940		0.9900
2,6-Dinitrotoluene	0.2642 0.3026	0.2781 0.3097	0.2940 0.2996	0.3112	0.2987	Ave		0.2948				5.4		15.0			
Acenaphthylene	1.8987 1.7769	1.8541 1.7664	1.8791 1.6722	1.8696	1.8151	Ave		1.8165				4.2		15.0			
3-Nitroaniline	0.3289 0.3627	0.3343 0.3689	0.3581 0.3615	0.3655	0.3602	Ave		0.3550				4.2		15.0			
Acenaphthene	1.2790 1.1522	1.2240 1.1503	1.2284 1.1078	1.2073	1.1669	Ave		1.1895				4.6		15.0			
2,4-Dinitrophenol	0.0439 0.1511	0.0548 0.1691	0.0817 0.1730	0.1178	0.1360	Lin	-3.829	0.1774							0.9930		0.9900
4-Nitrophenol	0.1298 0.1777	0.1393 0.1830	0.1522 0.1810	0.1713	0.1720	Ave		0.1633			0.0500	12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3265 0.4008	0.3576 0.4097	0.3883 0.3969	0.4010	0.3944	Ave		0.3844				7.3		15.0			
Dibenzofuran	1.8317 1.5376	1.6467 1.5381	1.6658 1.4668	1.6277	1.5668	Ave		1.6101				6.9		15.0			
2,3,4,6-Tetrachlorophenol	0.2108 0.2884	0.2325 0.3091	0.2590 0.2965	0.2815	0.2834	Ave		0.2702				12.0		15.0			
Hexadecane	0.9099 0.8276	0.8661 0.8314	0.8971 0.7870	0.8923	0.8697	Ave		0.8601				4.9		15.0			
Diethyl phthalate	1.3861 1.2069	1.2733 1.2186	1.2990 1.1609	1.2752	1.2266	Ave		1.2558				5.5		15.0			
4-Chlorophenyl phenyl ether	0.6430 0.5881	0.5919 0.6003	0.6019 0.5751	0.6018	0.5794	Ave		0.5977				3.5		15.0			
Fluorene	1.4193 1.3053	1.3651 1.3016	1.3852 1.2555	1.3724	1.3154	Ave		1.3400				4.0		15.0			
4-Nitroaniline	0.3172 0.3536	0.3308 0.3612	0.3537 0.3443	0.3674	0.3527	Ave		0.3476				4.7		15.0			
4,6-Dinitro-2-methylphenol	0.0554 0.1273	0.0768 0.1412	0.0934 0.1368	0.1154	0.1208	Lin1	-0.966	0.1357							0.9950		0.9900
n-Nitrosodiphenylamine(as diphenylamine)	0.6186 0.5768	0.6026 0.5798	0.6087 0.5671	0.6023	0.5948	Ave		0.5938				3.0		15.0			
1,2-Diphenyl-hydrazine	1.3776 1.2864	1.3635 1.2879	1.3904 1.2325	1.3549	1.3149	Ave		1.3260				4.1		15.0			
Azobenzene	1.3927 1.3005	1.3784 1.3021	1.4057 1.2460	1.3698	1.3294	Ave		1.3406				4.1		15.0			
2,4,6 - Tribromophenol	0.1494 0.1882	0.1558 0.1976	0.1682 0.1955	0.1837	0.1840	Ave		0.1778				10.0		15.0			
4-Bromophenyl phenyl ether	0.2184 0.2117	0.2116 0.2226	0.2132 0.2171	0.2248	0.2157	Ave		0.2169				2.3		15.0			
Hexachlorobenzene	0.2800 0.2453	0.2589 0.2584	0.2599 0.2521	0.2589	0.2474	Ave		0.2576				4.1		15.0			
Atrazine	0.1601 0.1737	0.1823 0.1798	0.1812 0.1703	0.1875	0.1851	Ave		0.1775				5.1		15.0			
Pentachlorophenol	+++++ 0.1349	0.0769 0.1465	0.1013 0.1485	0.1235	0.1322	Lin2	-1.435	0.1441							0.9970		0.9900
Phenanthrene	1.2659 1.0869	1.2000 1.0991	1.2024 1.0385	1.1795	1.1445	Ave		1.1521				6.4		15.0			
Anthracene	1.1906 1.1162	1.1874 1.1318	1.2043 1.0688	1.1990	1.1785	Ave		1.1596				4.2		15.0			
Carbazole	1.1395 1.0812	1.1483 1.0862	1.1642 1.0302	1.1779	1.1238	Ave		1.1189				4.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Alachlor	0.1143 0.1382	0.1266 0.1450	0.1364 0.1405	0.1444	0.1422	Ave		0.1360				7.7		15.0			
Di-n-butyl phthalate	1.0937 1.2180	1.1914 1.2420	1.2496 1.1810	1.2974	1.2794	Ave		1.2191				5.3		15.0			
Fluoranthene	1.1771 1.1835	1.1865 1.2171	1.2101 1.1683	1.2535	1.2208	Ave		1.2021				2.4		15.0			
Benzidine	0.3414 0.5969	0.4221 0.6063	0.5446 0.5724	0.6204	0.5970	Lin2	-1.132	0.6016							0.9960		0.9900
Pyrene	1.1802 1.1239	1.1420 1.1600	1.1981 1.1107	1.1838	1.1615	Ave		1.1575				2.6		15.0			
Famphur	0.2362 0.3322	0.2780 0.3328	0.3204 0.3081	0.3503	0.3464	Ave		0.3130				12.0		15.0			
Butyl benzyl phthalate	0.3882 0.5084	0.4219 0.5334	0.4768 0.5164	0.5089	0.5162	Ave		0.4838				11.0		15.0			
3,3'-Dichlorobenzidine	0.2757 0.3998	0.2902 0.4215	0.3303 0.4113	0.3831	0.3910	Lin2	-0.579	0.3956							0.9930		0.9900
Bis(2-ethylhexyl) phthalate	0.4550 0.6584	0.5075 0.6960	0.5913 0.6722	0.6614	0.6780	Ave		0.6150				14.0		15.0			
Benzo[a]anthracene	1.0731 1.0650	1.0495 1.0926	1.0932 1.0664	1.0917	1.0752	Ave		1.0759				1.5		15.0			
Chrysene	1.0721 0.9929	1.0087 1.0417	1.0264 1.0005	1.0328	1.0073	Ave		1.0228				2.5		15.0			
Di-n-octyl phthalate	+++++ 1.0779	0.5667 1.1500	0.7305 1.1355	0.9642	1.0768	Lin2	-6.211	1.1367							0.9960		0.9900
Benzo[b]fluoranthene	0.9335 1.1014	0.9724 1.1733	1.0324 1.1505	1.1274	1.1265	Ave		1.0772				8.1		15.0			
Benzo[k]fluoranthene	1.1155 1.2098	1.1031 1.2336	1.1809 1.2032	1.2391	1.1919	Ave		1.1847				4.3		15.0			
Benzo[e]pyrene	0.8880 0.9813	0.9083 1.0291	0.9256 1.0009	0.9957	0.9928	Ave		0.9652				5.3		15.0			
Benzo[a]pyrene	0.8900 1.1356	0.9649 1.1795	1.0344 1.1727	1.1418	1.1381	Ave		1.0821				9.9		15.0			
Indeno[1,2,3-cd]pyrene	0.7587 0.9312	0.7582 1.0151	0.8154 0.9787	0.8963	0.9467	Ave		0.8875				11.0		15.0			
Dibenz(a,h)anthracene	0.7928 1.0747	0.8520 1.1098	0.9387 1.1004	1.0381	1.0635	Ave		0.9963				12.0		15.0			
Benzo[g,h,i]perylene	0.9411 1.1096	0.9674 1.1552	1.0421 1.1288	1.1092	1.1071	Ave		1.0701				7.3		15.0			
2-Fluorophenol	1.4648 1.3660	1.3382 1.4309	1.3991 1.3549	1.4151	1.3783	Ave		1.3934				3.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Phenol-d5	1.7882 1.6951	1.7289 1.7790	1.7137 1.6831	1.8071	1.7295	Ave		1.7406				2.6		15.0			
Nitrobenzene-d5	0.3860 0.3768	0.3590 0.3787	0.3716 0.3729	0.3842	0.3823	Ave		0.3764				2.3		15.0			
2-Fluorobiphenyl	1.4355 1.2547	1.3565 1.2645	1.3549 1.2098	1.3307	1.2748	Ave		1.3102				5.5		15.0			
2,4,6-Tribromophenol	0.1494 0.1882	0.1558 0.1948	0.1636 0.1903	0.1846	0.1847	Ave		0.1764				9.9		15.0			
Terphenyl-d14	0.8267 0.7789	0.7789 0.8128	0.8018 0.7883	0.8111	0.7879	Ave		0.7983				2.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-192371/4	B2-2128.D
Level 2	STD010 280-192371/5	B2-2129.D
Level 3	STD020 280-192371/6	B2-2130.D
Level 4	STD050 280-192371/7	B2-2131.D
Level 5	ICIS 280-192371/3	B2-2127.D
Level 6	STD120 280-192371/8	B2-2132.D
Level 7	STD160 280-192371/9	B2-2133.D
Level 8	STD200 280-192371/10	B2-2134.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	23410 561260	55057 764345	97948 940267	239449	389825	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	32247 857431	81131 1160700	145837 1435563	360984	596122	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	60778 1524967	143047 2088930	263647 2601980	652311	1066314	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	67705 1679115	163782 2279583	296441 2806745	711131	1183274	4.00 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	81419 2084915	201442 2835063	370264 3457467	898056	1501522	4.00 120	10.0 160	20.0 200	50.0	80.0
Alpha Methyl Styrene	DCB	Ave	54941 1322042	128519 1805484	232313 2199780	575408	930236	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	56583 1292341	126673 1750521	230122 2180667	568510	896801	4.00 120	10.0 160	20.0 200	50.0	80.0
n-Decane	DCB	Ave	51969 1206216	121177 1603479	216977 1963371	525807	880495	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	53080 1371525	129459 1847577	237785 2281565	572521	950696	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	60274 1479331	144864 1997590	259700 2439824	627353	1036814	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	64530 1494000	148995 2019038	263951 2471012	641548	1033738	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	24666 848127	69886 1176716	131348 1453577	354161	575108	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	59581 1414440	140763 1932592	251373 2379250	612037	1003306	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	47764 1225073	118802 1663454	215902 2052933	526791	865093	4.00 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	67558 1594887	160975 2120686	290057 2616710	692202	1180369	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Indene	DCB	Ave	92123 2220819	218945 2978848	392080 3664418	957911	1567015	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	37225 904884	85352 1230252	159345 1511532	393922	650117	4.00 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	49538 1311530	124116 1723718	222215 2125981	559171	933750	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Methylphenol	DCB	Ave	49538 1311530	124116 1723718	222215 2125981	559171	933750	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Methylphenol	DCB	Ave	49538 1311530	124116 1723718	222215 2125981	559171	933750	4.00 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	74318 1817746	177959 2465320	322143 3061458	778903	1274441	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	22107 552859	51943 754271	95713 932969	234708	384016	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	54005 1398235	132594 1912094	245354 2347530	595178	983994	4.00 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	93869 2427186	225004 3330855	420236 4070119	1046027	1734460	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	21460 730637	57866 1004393	112635 1265026	292119	496967	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	50067 1290914	118328 1744147	220004 2135102	550707	885408	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	64739 1529542	145708 2054372	265839 2515394	650006	1068100	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Lin1	36729 1934433	109305 2700696	232720 3370299	669446	1255960	8.00 240	20.0 320	40.0 400	100	160
3,5-Dimethylphenol	NPT	Ave	51548 1354180	124762 1834080	230294 2245816	587384	954243	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	39773 1103308	94895 1511994	178393 1873404	461757	765636	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	49309 1195094	114195 1625872	206717 1992404	510592	827803	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	158786 3735805	375773 4961999	683118 5964074	1651194	2674798	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	67115 1730188	162896 2329515	302521 2867864	733320	1210602	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	24185 631623	60120 861659	108186 1071111	265372	424565	4.00 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	21787 683487	58730 951560	108312 1248018	280507	482771	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	40403 1136633	95135 1551433	183820 1919263	470780	788282	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Methylnaphthalene	NPT	Ave	105502 2613923	257038 3530656	462861 4299531	1130421	1853339	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Ave	100563 2454187	244825 3311142	434015 4057961	1067283	1745670	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Lin1	10377 639796	34200 924824	73694 1179356	229993	405018	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4,5-Tetrachlorobenzene	NPT	Ave	45077 1145138	108393 1569538	196460 1959204	481113	789360	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	23694 753796	63992 1030643	119144 1294874	310868	519798	4.00 120	10.0 160	20.0 200	50.0	80.0
2,3-Dichlorobenzenamine	ANT	Ave	54193 1374970	132183 1840589	241929 2303700	587750	969122	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	27177 809696	70263 1119204	132543 1418264	328804	553352	4.00 120	10.0 160	20.0 200	50.0	80.0
1,1'-Biphenyl	ANT	Ave	127208 3083148	314647 4125548	555593 5021239	1336843	2194411	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chloronaphthalene	ANT	Ave	98984 2432274	242013 3304721	430435 4031174	1052939	1720159	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	26793 846735	68245 1148231	133850 1436687	356151	585134	4.00 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	106962 2690218	256248 3651122	460901 4477861	1154170	1880235	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dinitrobenzene	ANT	Lin2	10376 479569	31720 694930	65938 857436	188942	327557	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	21013 664455	56789 912757	106824 1125760	280369	456315	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthylene	ANT	Ave	150990 3902259	378581 5205699	682786 6284511	1684469	2773212	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	26154 796602	68249 1087261	130132 1358747	329279	550388	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	101706 2530393	249914 3389870	446337 4163366	1087800	1782830	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin	6984 663427	22398 996409	59396 1300053	212331	415705	8.00 240	20.0 320	40.0 400	100	160
4-Nitrophenol	ANT	Ave	20638 780456	56881 1078636	110639 1360809	308679	525423	8.00 240	20.0 320	40.0 400	100	160
2,4-Dinitrotoluene	ANT	Ave	25961 880072	73022 1207483	141083 1491785	361281	602580	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	145660 3376594	336227 4532826	605275 5512422	1466591	2393831	4.00 120	10.0 160	20.0 200	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	16766 633284	47478 910837	94118 1114485	253623	432998	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Hexadecane	ANT	Ave	72357 1817457	176835 2450075	325957 2957602	803953	1328783	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	110222 2650385	259993 3591217	471997 4362775	1148952	1874076	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	51132 1291499	120865 1769248	218722 2161485	542200	885272	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	112862 2866465	278734 3835835	503333 4718459	1236514	2009684	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	25225 776528	67537 1064585	128525 1293773	331042	538812	4.00 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Lin1	14760 934929	50987 1366083	112432 1689133	340265	599182	8.00 240	20.0 320	40.0 400	100	160
n-Nitrosodiphenylamine(as diphenylamine)	PHN	Ave	82364 2117416	199941 2805224	366520 3500773	887823	1475066	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2-Diphenyl-hydrazine	ANT	Ave	110751 2856065	281454 3837234	510767 4682604	1234185	2031030	4.04 121	10.1 162	20.2 202	50.5	80.9
Azobenzene	ANT	Ave	110751 2856065	281454 3837234	510767 4682604	1234185	2031030	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6 - Tribromophenol	ANT	Ave	11878 413265	31809 582373	61126 734806	165482	281192	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	29074 777312	70205 1076702	128372 1340238	331404	534995	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	37280 900589	85897 1250030	156509 1556362	381561	613487	4.00 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	21323 637594	60479 869871	109098 1051618	276408	459000	4.00 120	10.0 160	20.0 200	50.0	80.0
Pentachlorophenol	PHN	Lin2	+++++ 990100	51035 1417852	121931 1833013	364039	655589	+++++ 240	20.0 320	40.0 400	100	160
Phenanthrene	PHN	Ave	168552 3989928	398182 5317484	723963 6411267	1738598	2838215	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	158527 4097365	393985 5475706	725072 6598272	1767278	2922503	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	151719 3968847	381032 5255172	700934 6359666	1736161	2786748	4.00 120	10.0 160	20.0 200	50.0	80.0
Alachlor	PHN	Ave	15221 507455	42012 701446	82138 867264	212904	352622	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	145628 4471334	395332 6008917	752389 7290671	1912334	3172635	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	156734 4344704	393688 5888297	728606 7212255	1847637	3027375	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Lin2	47674 2394042	152953 3197136	352848 3862981	1006362	1633689	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pyrene	CRY	Ave	164819 4507521	413858 6116529	776249 7495331	1920155	3178766	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Ave	32979 1332319	100733 1754766	207586 2079047	568190	947975	4.00 120	10.0 160	20.0 200	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	54209 2038858	152891 2812534	308905 3484505	825419	1412803	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Lin2	38497 1603527	105161 2222711	214036 2775281	621411	1069977	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	63539 2640441	183907 3669760	383133 4536198	1072827	1855471	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	149858 4271423	380343 5761397	708296 7196173	1770861	2942576	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	149714 3982180	365533 5492743	665022 6751731	1675264	2756595	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Lin2	+++++ 4323190	205372 6064113	473281 7662794	1563922	2946924	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	121518 4094095	326670 5745489	629063 7155597	1683990	2863459	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	145207 4497003	370582 6040854	719592 7483451	1850733	3029649	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[e]pyrene	PRY	Ave	115588 3647626	305130 5039207	564014 6225290	1487181	2523600	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	115849 4221076	324149 5775959	630311 7293323	1705399	2892845	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Ave	105949 3734845	274770 5352692	528310 6604501	1453820	2590845	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	103196 3994859	286208 5434587	572006 6843833	1550484	2703380	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	122505 4124427	324966 5656987	634988 7020397	1656717	2814172	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorophenol	DCB	Ave	52127 1320598	120308 1799777	224292 2212112	551960	917285	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol-d5	DCB	Ave	63636 1638822	155437 2237547	274713 2747978	704838	1151009	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene-d5	NPT	Ave	53698 1424707	126777 1928264	236968 2392956	594095	995445	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	114157 2755406	276978 3726552	492297 4546580	1198981	1947672	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	11878 413308	31809 574151	59436 715262	166309	282199	4.00 120	10.0 160	20.0 200	50.0	80.0
Terphenyl-d14	CRY	Ave	115447 3123872	282257 4286017	519521 5319338	1315703	2156260	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-46620-1 Analy Batch No.: 192371

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2013 08:21 Calibration End Date: 09/20/2013 11:52 Calibration ID: 15566

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2127.D
Lims ID: ICIS HSL Client ID:
Inject. Date: 20-Sep-2013 08:21:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: ICIS
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 192371 Lims Sample ID: 3
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:49 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld Date: 20-Sep-2013 08:53:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.797	4.797	0.0	94	332766	40.0	
* 2 Naphthalene-d8	136	6.036	6.036	0.0	99	1301870	40.0	
* 3 Acenaphthene-d10	164	7.805	7.805	0.0	100	763914	40.0	
* 4 Phenanthrene-d10	188	9.321	9.321	0.0	99	1239931	40.0	
* 5 Chrysene-d12	240	13.821	13.821	0.0	89	1368336	40.0	
* 6 Perylene-d12	264	18.063	18.063	0.0	98	1270962	40.0	
$ 7 2-Fluorophenol	112	3.616	3.616	0.0	98	917285	79.1	
$ 8 Phenol-d5	99	4.432	4.432	0.0	100	1151009	79.5	
$ 9 Nitrobenzene-d5	82	5.325	5.325	0.0	96	995445	81.2	
$ 11 2-Fluorobiphenyl	172	7.094	7.094	0.0	99	1947672	77.8	
$ 12 2,4,6-Tribromophenol	330	8.610	8.610	0.0	94	282199	83.8	
$ 13 Terphenyl-d14	244	11.442	11.442	0.0	99	2156260	79.0	
19 1,4-Dioxane	88	2.264	2.264	0.0	96	389825	77.4	
20 N-Nitrosodimethylamine	74	2.505	2.505	0.0	100	596122	79.3	
21 Pyridine	79	2.552	2.552	0.0	99	1066314	78.6	
32 Phenol	94	4.444	4.444	0.0	95	1183274	78.8	
34 Aniline	93	4.491	4.491	0.0	99	1501522	80.6	
35 Alpha Methyl Styrene	118	4.520	4.520	0.0	89	930236	78.2	
36 Bis(2-chloroethyl)ether	93	4.520	4.520	0.0	82	896801	76.3	
38 n-Decane	43	4.573	4.573	0.0	96	880495	80.2	
39 2-Chlorophenol	128	4.609	4.609	0.0	97	950696	78.8	
40 1,3-Dichlorobenzene	146	4.744	4.744	0.0	98	1036814	78.5	
42 1,4-Dichlorobenzene	146	4.814	4.814	0.0	98	1033738	76.6	
43 Benzyl alcohol	108	4.908	4.908	0.0	99	575108	81.8	
44 1,2-Dichlorobenzene	146	4.961	4.961	0.0	98	1003306	78.2	
45 2-Methylphenol	108	5.008	5.008	0.0	98	865093	79.2	
46 2,2'-oxybis[1-chloropropane]	45	5.014	5.014	0.0	87	1180369	81.2	
47 Indene	116	5.043	5.043	0.0	93	1567015	78.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.155	5.155	0.0	79	933750	81.4	
50 3-Methylphenol	108	5.155	5.155	0.0	96	933750	81.4	
51 4-Methylphenol	108	5.155	5.155	0.0	96	933750	81.4	
52 N-Nitrosodi-n-propylamine	70	5.149	5.149	0.0	86	650117	80.0	
54 Acetophenone	105	5.167	5.167	0.0	81	1274441	78.0	
58 Hexachloroethane	117	5.284	5.284	0.0	96	384016	78.3	
59 Nitrobenzene	77	5.349	5.349	0.0	100	983994	80.0	
63 Isophorone	82	5.560	5.560	0.0	99	1734460	81.3	
64 2-Nitrophenol	139	5.654	5.654	0.0	94	496967	83.5	
65 2,4-Dimethylphenol	107	5.666	5.666	0.0	99	885408	79.1	
68 Benzoic acid	105	5.772	5.772	0.0	99	1255960	154.2	
69 Bis(2-chloroethoxy)methane	93	5.748	5.748	0.0	98	1068100	78.9	
71 3,5-Dimethylphenol	107	5.795	5.795	0.0	98	954243	80.9	
74 2,4-Dichlorophenol	162	5.895	5.895	0.0	98	765636	81.5	
76 1,2,4-Trichlorobenzene	180	5.966	5.966	0.0	95	827803	78.4	
79 Naphthalene	128	6.054	6.054	0.0	100	2674798	79.6	
80 4-Chloroaniline	127	6.101	6.101	0.0	100	1210602	80.0	
83 Hexachlorobutadiene	225	6.148	6.148	0.0	96	424565	77.2	
86 Caprolactam	55	6.448	6.448	0.0	91	482771	83.5	M
89 4-Chloro-3-methylphenol	107	6.577	6.577	0.0	99	788282	82.1	
93 2-Methylnaphthalene	142	6.736	6.736	0.0	99	1853339	79.8	
96 1-Methylnaphthalene	142	6.841	6.841	0.0	99	1745670	79.6	
97 Hexachlorocyclopentadiene	237	6.882	6.882	0.0	95	405018	72.9	
98 1,2,4,5-Tetrachlorobenzene	216	6.906	6.906	0.0	96	789360	78.6	
100 2,4,6-Trichlorophenol	196	7.023	7.023	0.0	95	519798	81.8	
101 2,3-Dichlorobenzenamine	161	7.029	7.029	0.0	95	969122	78.9	
102 2,4,5-Trichlorophenol	196	7.076	7.076	0.0	96	553352	79.8	
104 1,1'-Biphenyl	154	7.200	7.200	0.0	96	2194411	78.4	
106 2-Chloronaphthalene	162	7.235	7.235	0.0	99	1720159	78.2	
108 2-Nitroaniline	65	7.347	7.347	0.0	97	585134	82.4	
111 Dimethyl phthalate	163	7.488	7.488	0.0	99	1880235	78.5	
112 1,3-Dinitrobenzene	168	7.552	7.552	0.0	82	327557	79.9	
113 2,6-Dinitrotoluene	165	7.570	7.570	0.0	90	456315	81.1	
114 Acenaphthylene	152	7.664	7.664	0.0	99	2773212	79.9	
115 3-Nitroaniline	138	7.764	7.764	0.0	96	550388	81.2	
117 Acenaphthene	153	7.834	7.834	0.0	99	1782830	78.5	
118 2,4-Dinitrophenol	184	7.864	7.864	0.0	93	415705	144.3	
119 4-Nitrophenol	109	7.946	7.946	0.0	97	525423	168.5	
122 2,4-Dinitrotoluene	165	7.987	7.987	0.0	98	602580	82.1	
123 Dibenzofuran	168	8.010	8.010	0.0	100	2393831	77.8	
125 2,3,4,6-Tetrachlorophenol	232	8.134	8.134	0.0	71	432998	83.9	
127 Hexadecane	57	8.151	8.151	0.0	97	1328783	80.9	
130 Diethyl phthalate	149	8.187	8.187	0.0	99	1874076	78.1	
134 4-Chlorophenyl phenyl ether	204	8.334	8.334	0.0	98	885272	77.6	
135 Fluorene	166	8.357	8.357	0.0	99	2009684	78.5	
138 4-Nitroaniline	138	8.392	8.392	0.0	94	538812	81.2	
139 4,6-Dinitro-2-methylphenol	198	8.398	8.398	0.0	73	599182	149.6	
141 N-Nitrosodiphenylamine	169	8.457	8.457	0.0	97	1475066	80.1	
143 1,2-Diphenylhydrazine	77	8.498	8.498	0.0	98	2031030	80.2	
144 Azobenzene	77	8.498	8.498	0.0	98	2031030	79.3	
147 2,4,6 - Tribromophenol	330	8.610	8.610	0.0	94	281192	82.8	
156 4-Bromophenyl phenyl ether	248	8.833	8.833	0.0	96	534995	79.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.915	8.915	0.0	96	613487	76.8	
159 Atrazine	200	8.974	8.974	0.0	95	459000	83.4	
161 n-Octadecane	85	9.080	9.080	0.0	96	489578	82.6	
163 Pentachlorophenol	266	9.121	9.121	0.0	95	655589	156.7	
168 Phenanthrene	178	9.344	9.344	0.0	99	2838215	79.5	
169 Anthracene	178	9.397	9.397	0.0	100	2922503	81.3	
170 Carbazole	167	9.567	9.567	0.0	99	2786748	80.3	
171 Alachlor	188	9.656	9.656	0.0	95	352622	83.7	
173 Di-n-butyl phthalate	149	9.873	9.873	0.0	100	3172635	84.0	
179 Fluoranthene	202	10.848	10.848	0.0	100	3027375	81.2	
181 Benzidine	184	11.054	11.054	0.0	78	1633689	81.3	
182 Pyrene	202	11.230	11.230	0.0	99	3178766	80.3	
188 Famphur	218	12.294	12.294	0.0	97	947975	88.5	
190 Butyl benzyl phthalate	149	12.399	12.399	0.0	99	1412803	85.4	
195 Bis(2-ethylhexyl) phthalate	149	13.792	13.792	0.0	85	1855471	88.2	
197 3,3'-Dichlorobenzidine	252	13.763	13.763	0.0	98	1069977	80.5	
198 Benzo[a]anthracene	228	13.792	13.792	0.0	98	2942576	80.0	
199 Chrysene	228	13.892	13.892	0.0	99	2756595	78.8	
201 Di-n-octyl phthalate	149	15.719	15.719	0.0	100	2946924	81.3	
203 Benzo[b]fluoranthene	252	16.882	16.882	0.0	97	2863459	83.7	
204 Benzo[k]fluoranthene	252	16.965	16.965	0.0	98	3029649	80.5	
206 Benzo[e]pyrene	252	17.728	17.728	0.0	97	2523600	82.3	
207 Benzo[a]pyrene	252	17.887	17.887	0.0	96	2892845	84.1	
213 Dibenz(a,h)anthracene	278	21.389	21.389	0.0	75	2703380	85.4	
214 Indeno[1,2,3-cd]pyrene	276	21.313	21.313	0.0	66	2590845	85.3	M
215 Benzo[g,h,i]perylene	276	22.094	22.094	0.0	96	2814172	82.8	
S 217 Total Cresols	108				0		160.6	
S 218 Methyl Phenols,Total	108				0		160.6	

QC Flag Legend

Review Flags
M - Manually Integrated

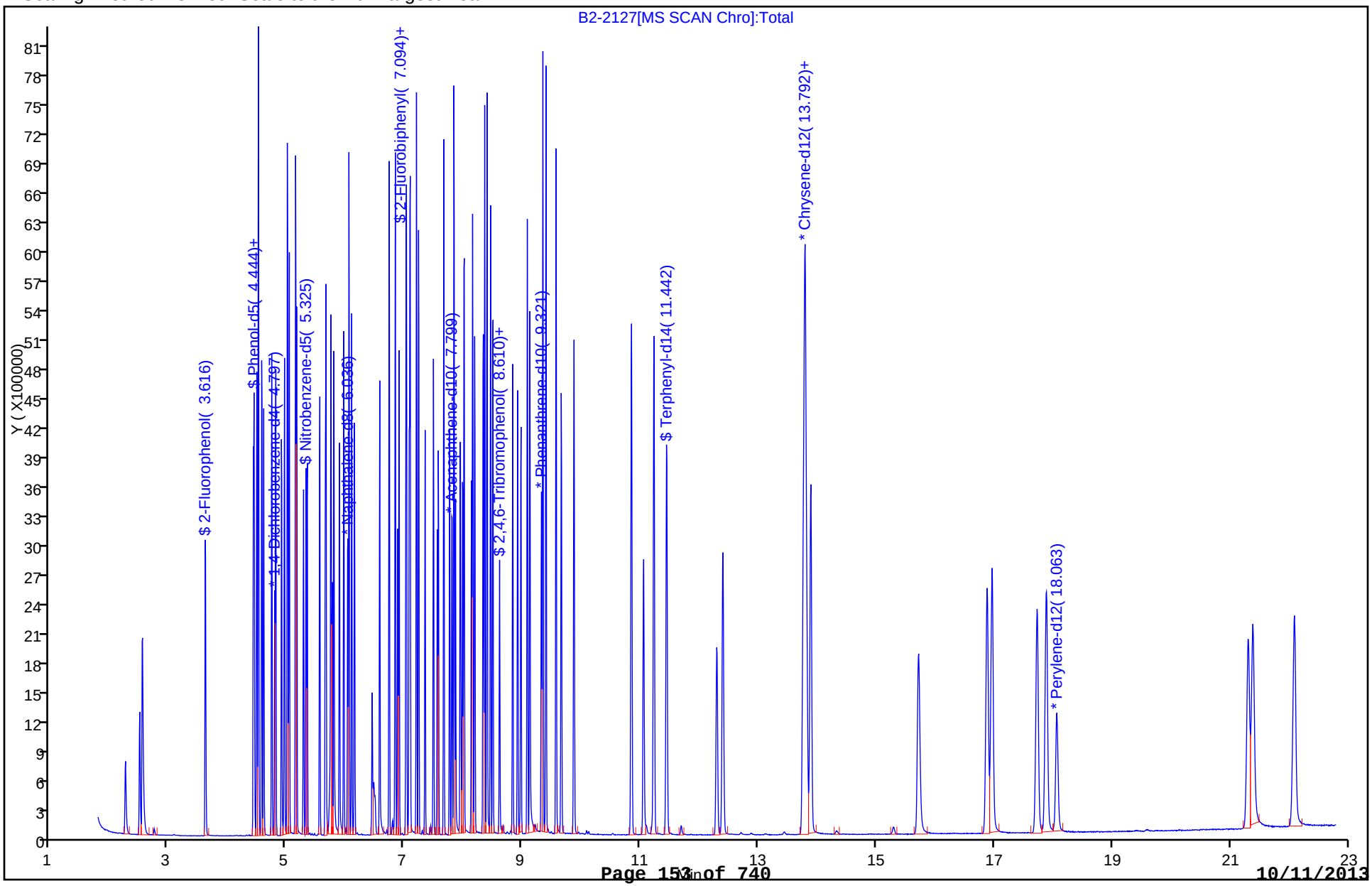
Report Date: 20-Sep-2013 14:55:49 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2127.D

Injection Date:	20-Sep-2013 08:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

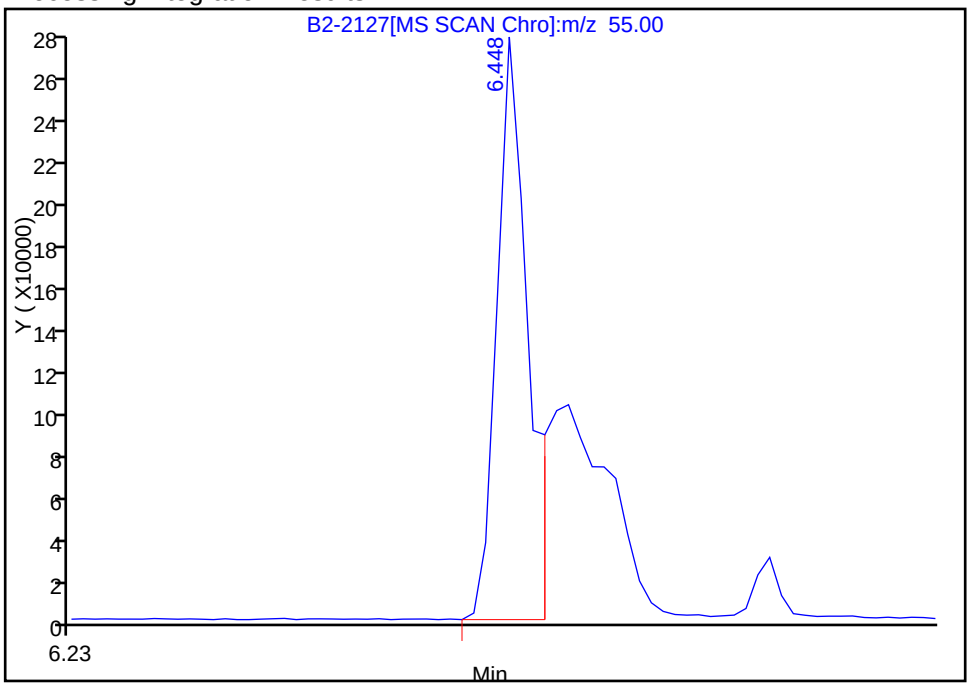
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2127.D		
Injection Date:	20-Sep-2013 08:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

86 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 6.45

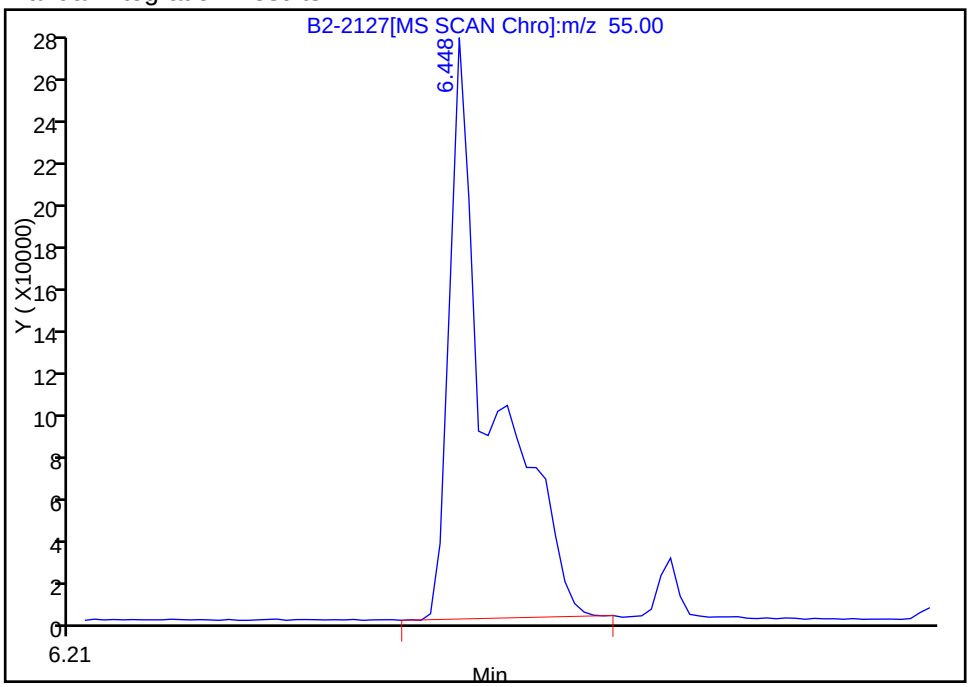
Processing Integration Results

RT: 6.45
Response: 292562
Amount: 80.000000



Manual Integration Results

RT: 6.45
Response: 482771
Amount: 83.466509



Reviewer: kiekeld, 20-Sep-2013 08:53:30
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

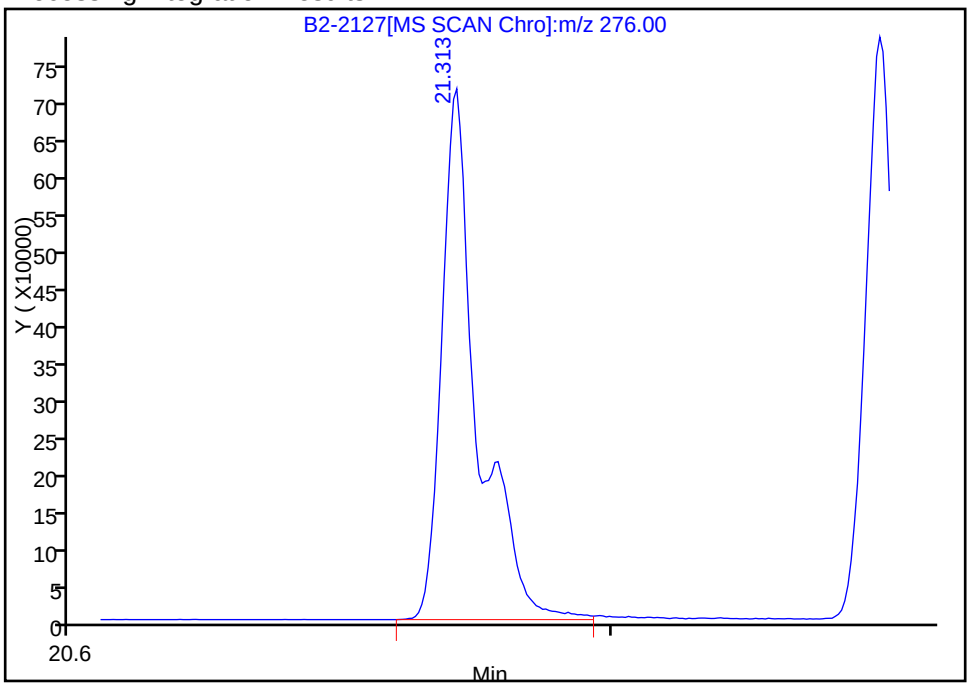
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2127.D		
Injection Date:	20-Sep-2013 08:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 21.31

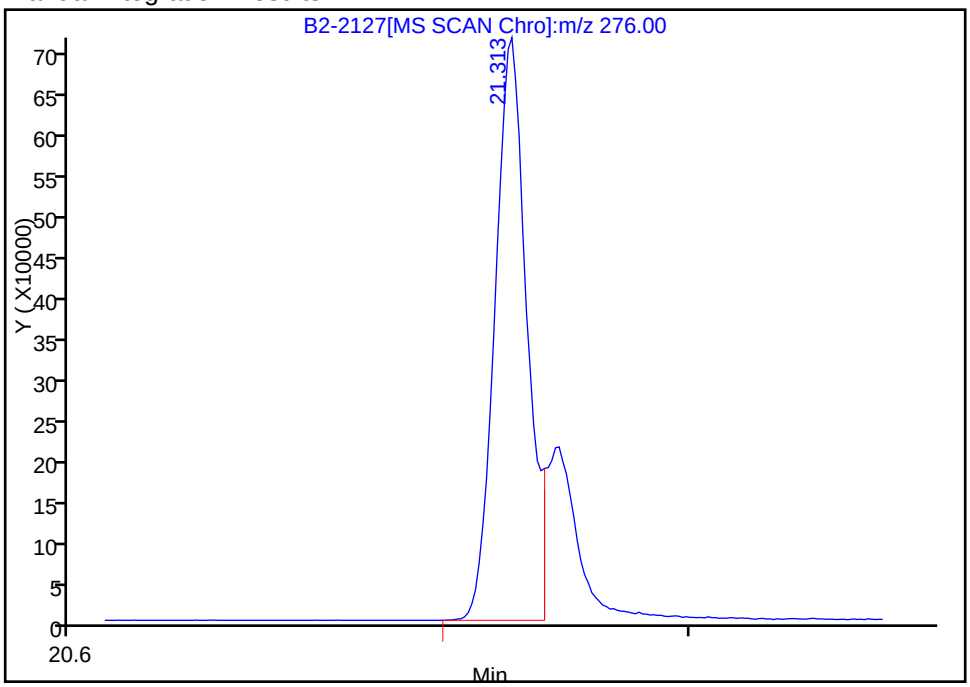
Processing Integration Results

RT: 21.31
Response: 3300753
Amount: 80.000000



Manual Integration Results

RT: 21.31
Response: 2590845
Amount: 85.333201



Reviewer: kiekeld, 20-Sep-2013 08:53:30
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2128.D
Lims ID: STD004 HSL Client ID:
Inject. Date: 20-Sep-2013 08:50:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD004 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 3
Lims Batch ID: 192371 Lims Sample ID: 4
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:50 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld Date: 20-Sep-2013 09:21:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.796	4.797	-0.001	95	355875	40.0	
* 2 Naphthalene-d8	136	6.029	6.036	-0.007	99	1390961	40.0	
* 3 Acenaphthene-d10	164	7.798	7.805	-0.007	99	795221	40.0	
* 4 Phenanthrene-d10	188	9.314	9.321	-0.007	99	1331487	40.0	
* 5 Chrysene-d12	240	13.803	13.821	-0.018	82	1396494	40.0	
* 6 Perylene-d12	264	18.051	18.063	-0.012	96	1301689	40.0	
$ 7 2-Fluorophenol	112	3.615	3.616	-0.001	96	52127	4.20	
$ 8 Phenol-d5	99	4.431	4.432	-0.001	98	63636	4.11	
$ 9 Nitrobenzene-d5	82	5.324	5.325	-0.001	96	53698	4.10	
$ 11 2-Fluorobiphenyl	172	7.087	7.094	-0.007	99	114157	4.38	
$ 12 2,4,6-Tribromophenol	330	8.609	8.610	-0.001	89	11878	3.39	
$ 13 Terphenyl-d14	244	11.435	11.442	-0.007	98	115447	4.14	
19 1,4-Dioxane	88	2.263	2.264	-0.001	89	23410	4.34	
20 N-Nitrosodimethylamine	74	2.504	2.505	-0.001	98	32247	4.01	
21 Pyridine	79	2.557	2.552	0.005	92	60778	4.19	
32 Phenol	94	4.449	4.444	0.005	91	67705	4.22	
34 Aniline	93	4.490	4.491	-0.001	99	81419	4.08	
35 Alpha Methyl Styrene	118	4.514	4.520	-0.006	88	54941	4.32	
36 Bis(2-chloroethyl)ether	93	4.519	4.520	-0.001	89	56583	4.50	
38 n-Decane	43	4.572	4.573	-0.001	94	51969	4.43	
39 2-Chlorophenol	128	4.608	4.609	-0.001	90	53080	4.12	
40 1,3-Dichlorobenzene	146	4.743	4.744	-0.001	97	60274	4.27	
42 1,4-Dichlorobenzene	146	4.807	4.814	-0.007	95	64530	4.47	
43 Benzyl alcohol	108	4.907	4.908	-0.001	95	24666	3.28	
44 1,2-Dichlorobenzene	146	4.960	4.961	-0.001	98	59581	4.34	
45 2-Methylphenol	108	5.007	5.008	-0.001	96	47764	4.09	
46 2,2'-oxybis[1-chloropropane]	45	5.013	5.014	-0.001	86	67558	4.34	
47 Indene	116	5.037	5.043	-0.006	97	92123	4.32	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.154	5.155	-0.001	89	49538	4.04	
50 3-Methylphenol	108	5.154	5.155	-0.001	93	49538	4.04	
51 4-Methylphenol	108	5.154	5.155	-0.001	94	49538	4.04	
52 N-Nitrosodi-n-propylamine	70	5.142	5.149	-0.007	96	37225	4.28	
54 Acetophenone	105	5.166	5.167	-0.001	79	74318	4.26	
58 Hexachloroethane	117	5.277	5.284	-0.007	92	22107	4.21	
59 Nitrobenzene	77	5.342	5.349	-0.007	97	54005	4.11	
63 Isophorone	82	5.554	5.560	-0.006	99	93869	4.12	
64 2-Nitrophenol	139	5.653	5.654	-0.001	91	21460	3.38	
65 2,4-Dimethylphenol	107	5.665	5.666	-0.001	97	50067	4.18	
68 Benzoic acid	105	5.718	5.772	-0.054	96	36729	10.5	
69 Bis(2-chloroethoxy)methane	93	5.742	5.748	-0.006	92	64739	4.48	
71 3,5-Dimethylphenol	107	5.794	5.795	-0.001	99	51548	4.09	
74 2,4-Dichlorophenol	162	5.894	5.895	-0.001	94	39773	3.96	
76 1,2,4-Trichlorobenzene	180	5.965	5.966	-0.001	97	49309	4.37	
79 Naphthalene	128	6.053	6.054	-0.001	100	158786	4.42	
80 4-Chloroaniline	127	6.100	6.101	-0.001	99	67115	4.15	
83 Hexachlorobutadiene	225	6.147	6.148	-0.001	92	24185	4.12	
86 Caprolactam	55	6.435	6.448	-0.013	94	21787	3.53	
89 4-Chloro-3-methylphenol	107	6.576	6.577	-0.001	96	40403	3.94	
93 2-Methylnaphthalene	142	6.735	6.736	-0.001	93	105502	4.25	
96 1-Methylnaphthalene	142	6.834	6.841	-0.007	95	100563	4.29	
97 Hexachlorocyclopentadiene	237	6.881	6.882	-0.001	90	10377	5.38	
98 1,2,4,5-Tetrachlorobenzene	216	6.899	6.906	-0.007	96	45077	4.20	
100 2,4,6-Trichlorophenol	196	7.022	7.023	-0.001	84	23694	3.58	
101 2,3-Dichlorobenzenamine	161	7.028	7.029	-0.001	94	54193	4.24	
102 2,4,5-Trichlorophenol	196	7.081	7.076	0.005	90	27177	3.77	
104 1,1'-Biphenyl	154	7.199	7.200	-0.001	94	127208	4.36	
106 2-Chloronaphthalene	162	7.234	7.235	-0.001	99	98984	4.32	
108 2-Nitroaniline	65	7.340	7.347	-0.007	92	26793	3.62	
111 Dimethyl phthalate	163	7.481	7.488	-0.007	98	106962	4.29	
112 1,3-Dinitrobenzene	168	7.545	7.552	-0.007	77	10376	4.23	
113 2,6-Dinitrotoluene	165	7.569	7.570	-0.001	94	21013	3.59	
114 Acenaphthylene	152	7.663	7.664	-0.001	100	150990	4.18	
115 3-Nitroaniline	138	7.757	7.764	-0.007	96	26154	3.71	
117 Acenaphthene	153	7.833	7.834	-0.001	99	101706	4.30	
118 2,4-Dinitrophenol	184	7.863	7.864	-0.001	81	6984	23.6	
119 4-Nitrophenol	109	7.951	7.946	0.005	92	20638	6.36	
122 2,4-Dinitrotoluene	165	7.980	7.987	-0.007	91	25961	3.40	
123 Dibenzofuran	168	8.004	8.010	-0.006	99	145660	4.55	
125 2,3,4,6-Tetrachlorophenol	232	8.133	8.134	-0.001	74	16766	3.12	
127 Hexadecane	57	8.151	8.151	0.0	95	72357	4.23	
130 Diethyl phthalate	149	8.180	8.187	-0.007	99	110222	4.41	
134 4-Chlorophenyl phenyl ether	204	8.327	8.334	-0.007	96	51132	4.30	
135 Fluorene	166	8.350	8.357	-0.007	98	112862	4.24	
138 4-Nitroaniline	138	8.380	8.392	-0.012	93	25225	3.65	
139 4,6-Dinitro-2-methylphenol	198	8.391	8.398	-0.007	64	14760	10.4	
141 N-Nitrosodiphenylamine	169	8.450	8.457	-0.007	97	82364	4.17	
143 1,2-Diphenylhydrazine	77	8.491	8.498	-0.007	97	110751	4.20	
144 Azobenzene	77	8.491	8.498	-0.007	97	110751	4.16	
147 2,4,6 - Tribromophenol	330	8.609	8.610	-0.001	89	11878	3.36	
156 4-Bromophenyl phenyl ether	248	8.832	8.833	-0.001	97	29074	4.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.914	8.915	-0.001	95	37280	4.35	
159 Atrazine	200	8.967	8.974	-0.007	88	21323	3.61	
161 n-Octadecane	85	9.079	9.080	-0.001	94	25278	3.97	
163 Pentachlorophenol	266	9.120	9.121	-0.001	87	15148	13.1	
168 Phenanthrene	178	9.337	9.344	-0.007	99	168552	4.40	
169 Anthracene	178	9.390	9.397	-0.007	100	158527	4.11	
170 Carbazole	167	9.561	9.567	-0.006	97	151719	4.07	
171 Alachlor	188	9.655	9.656	-0.001	94	15221	3.36	
173 Di-n-butyl phthalate	149	9.866	9.873	-0.007	100	145628	3.59	
179 Fluoranthene	202	10.841	10.848	-0.007	96	156734	3.92	
181 Benzidine	184	11.047	11.054	-0.007	48	47674	4.15	
182 Pyrene	202	11.218	11.230	-0.012	95	164819	4.08	
188 Famphur	218	12.287	12.294	-0.007	91	32979	3.02	
190 Butyl benzyl phthalate	149	12.393	12.399	-0.006	96	54209	3.21	
195 Bis(2-ethylhexyl) phthalate	149	13.785	13.792	-0.007	64	63539	2.96	
197 3,3'-Dichlorobenzidine	252	13.744	13.763	-0.019	89	38497	4.25	
198 Benzo[a]anthracene	228	13.779	13.792	-0.013	97	149858	3.99	
199 Chrysene	228	13.873	13.892	-0.019	97	149714	4.19	
201 Di-n-octyl phthalate	149	15.706	15.719	-0.013	92	55975	6.87	
203 Benzo[b]fluoranthene	252	16.858	16.882	-0.024	97	121518	3.47	
204 Benzo[k]fluoranthene	252	16.946	16.965	-0.019	97	145207	3.77	
206 Benzo[e]pyrene	252	17.704	17.728	-0.024	97	115588	3.68	
207 Benzo[a]pyrene	252	17.863	17.887	-0.024	96	115849	3.29	
213 Dibenz(a,h)anthracene	278	21.376	21.389	-0.013	70	103196	3.18	
214 Indeno[1,2,3-cd]pyrene	276	21.294	21.313	-0.019	65	105949	3.42	
215 Benzo[g,h,i]perylene	276	22.064	22.094	-0.030	93	122505	3.52	
S 217 Total Cresols	108				0		8.13	
S 218 Methyl Phenols,Total	108				0		8.13	

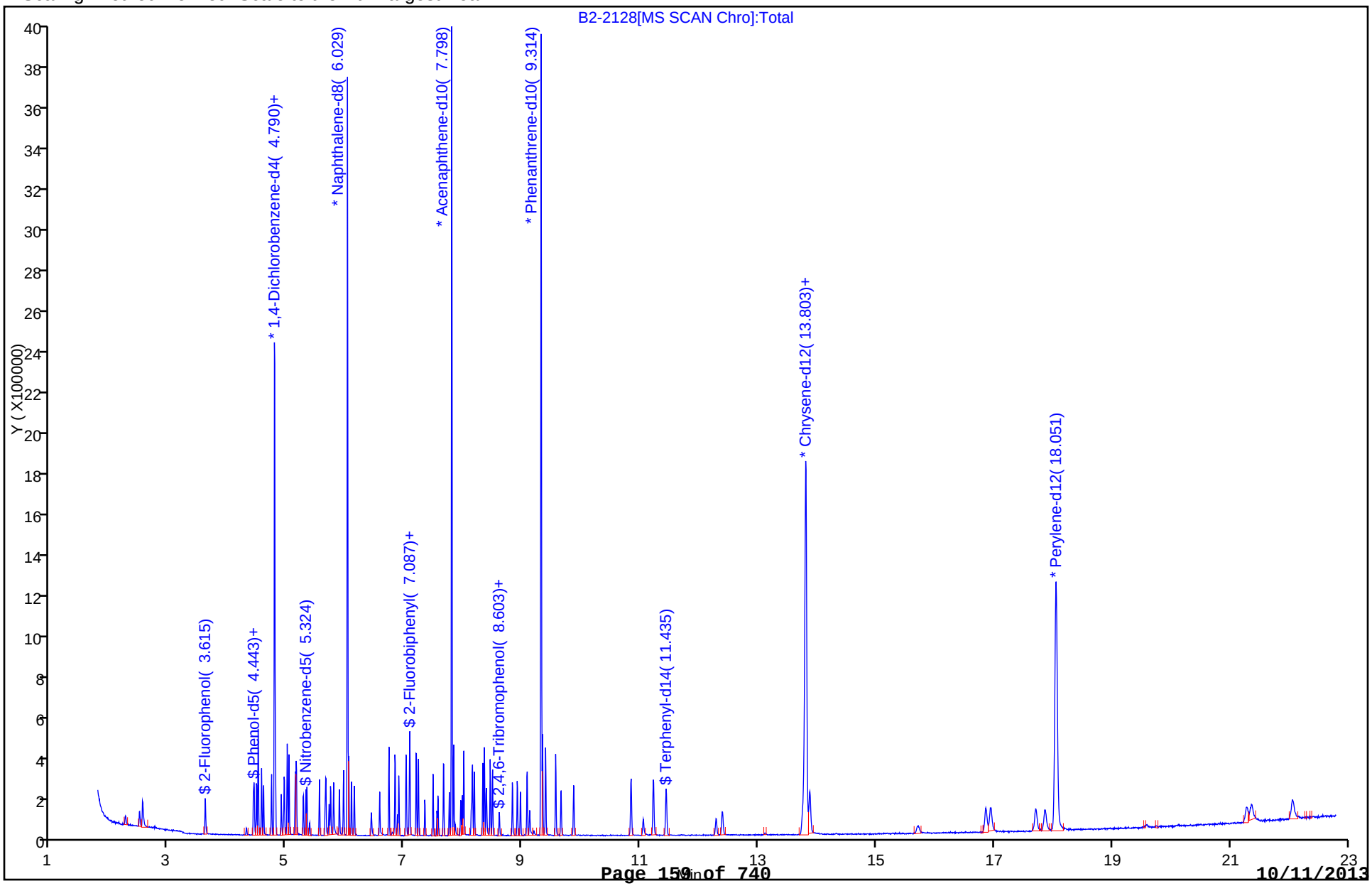
Report Date: 20-Sep-2013 14:55:51 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2128.D

Injection Date:	20-Sep-2013 08:50:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	4
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2129.D
Lims ID: STD010 HSL Client ID:
Inject. Date: 20-Sep-2013 09:20:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD010 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 4
Lims Batch ID: 192371 Lims Sample ID: 5
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:51 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld Date: 20-Sep-2013 09:54:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.792	4.797	-0.005	92	359612	40.0	
* 2 Naphthalene-d8	136	6.032	6.036	-0.004	99	1412549	40.0	
* 3 Acenaphthene-d10	164	7.800	7.805	-0.005	99	816729	40.0	
* 4 Phenanthrene-d10	188	9.316	9.321	-0.005	99	1327243	40.0	
* 5 Chrysene-d12	240	13.805	13.821	-0.016	83	1449559	40.0	
* 6 Perylene-d12	264	18.047	18.063	-0.016	97	1343734	40.0	
$ 7 2-Fluorophenol	112	3.617	3.616	0.001	97	120308	9.60	
$ 8 Phenol-d5	99	4.434	4.432	0.002	99	155437	9.93	
$ 9 Nitrobenzene-d5	82	5.321	5.325	-0.004	96	126777	9.54	
$ 11 2-Fluorobiphenyl	172	7.089	7.094	-0.005	99	276978	10.4	
$ 12 2,4,6-Tribromophenol	330	8.605	8.610	-0.005	89	31809	8.83	
$ 13 Terphenyl-d14	244	11.437	11.442	-0.005	98	282257	9.76	
19 1,4-Dioxane	88	2.260	2.264	-0.004	91	55057	10.1	
20 N-Nitrosodimethylamine	74	2.501	2.505	-0.004	99	81131	9.99	
21 Pyridine	79	2.554	2.552	0.002	96	143047	9.75	
32 Phenol	94	4.445	4.444	0.001	92	163782	10.1	
34 Aniline	93	4.487	4.491	-0.004	98	201442	10.0	
35 Alpha Methyl Styrene	118	4.516	4.520	-0.004	85	128519	10.0	
36 Bis(2-chloroethyl)ether	93	4.516	4.520	-0.004	80	126673	9.97	
38 n-Decane	43	4.575	4.573	0.002	96	121177	10.2	
39 2-Chlorophenol	128	4.604	4.609	-0.005	96	129459	9.93	
40 1,3-Dichlorobenzene	146	4.739	4.744	-0.005	98	144864	10.1	
42 1,4-Dichlorobenzene	146	4.810	4.814	-0.004	99	148995	10.2	
43 Benzyl alcohol	108	4.910	4.908	0.002	99	69886	9.19	
44 1,2-Dichlorobenzene	146	4.957	4.961	-0.004	97	140763	10.1	
45 2-Methylphenol	108	5.004	5.008	-0.004	96	118802	10.1	
46 2,2'-oxybis[1-chloropropane]	45	5.009	5.014	-0.005	89	160975	10.2	
47 Indene	116	5.039	5.043	-0.004	92	218945	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.151	5.155	-0.005	80	124116	10.0	
50 3-Methylphenol	108	5.151	5.155	-0.005	95	124116	10.0	
51 4-Methylphenol	108	5.151	5.155	-0.005	96	124116	10.0	
52 N-Nitrosodi-n-propylamine	70	5.139	5.149	-0.010	98	85352	9.72	
54 Acetophenone	105	5.162	5.167	-0.005	83	177959	10.1	
58 Hexachloroethane	117	5.280	5.284	-0.004	94	51943	9.80	
59 Nitrobenzene	77	5.344	5.349	-0.005	99	132594	9.94	
63 Isophorone	82	5.556	5.560	-0.004	100	225004	9.72	
64 2-Nitrophenol	139	5.650	5.654	-0.004	96	57866	8.97	
65 2,4-Dimethylphenol	107	5.662	5.666	-0.004	98	118328	9.74	
68 Benzoic acid	105	5.726	5.772	-0.046	98	109305	18.3	
69 Bis(2-chloroethoxy)methane	93	5.744	5.748	-0.004	92	145708	9.93	
71 3,5-Dimethylphenol	107	5.791	5.795	-0.004	98	124762	9.75	
74 2,4-Dichlorophenol	162	5.891	5.895	-0.004	94	94895	9.32	
76 1,2,4-Trichlorobenzene	180	5.961	5.966	-0.005	95	114195	9.97	
79 Naphthalene	128	6.049	6.054	-0.005	99	375773	10.3	
80 4-Chloroaniline	127	6.096	6.101	-0.005	99	162896	9.92	
83 Hexachlorobutadiene	225	6.143	6.148	-0.005	96	60120	10.1	
86 Caprolactam	55	6.437	6.448	-0.011	91	58730	9.36	
89 4-Chloro-3-methylphenol	107	6.572	6.577	-0.005	98	95135	9.13	
93 2-Methylnaphthalene	142	6.737	6.736	0.001	98	257038	10.2	
96 1-Methylnaphthalene	142	6.837	6.841	-0.004	99	244825	10.3	
97 Hexachlorocyclopentadiene	237	6.884	6.882	0.002	96	34200	9.15	
98 1,2,4,5-Tetrachlorobenzene	216	6.901	6.906	-0.005	98	108393	9.94	
100 2,4,6-Trichlorophenol	196	7.019	7.023	-0.004	89	63992	9.42	
101 2,3-Dichlorobenzenamine	161	7.031	7.029	0.002	91	132183	10.1	
102 2,4,5-Trichlorophenol	196	7.078	7.076	0.002	95	70263	9.48	
104 1,1'-Biphenyl	154	7.195	7.200	-0.005	95	314647	10.5	
106 2-Chloronaphthalene	162	7.236	7.235	0.001	100	242013	10.3	
108 2-Nitroaniline	65	7.342	7.347	-0.005	96	68245	8.99	
111 Dimethyl phthalate	163	7.483	7.488	-0.005	99	256248	10.0	
112 1,3-Dinitrobenzene	168	7.548	7.552	-0.004	80	31720	8.92	
113 2,6-Dinitrotoluene	165	7.565	7.570	-0.005	90	56789	9.44	
114 Acenaphthylene	152	7.659	7.664	-0.005	100	378581	10.2	
115 3-Nitroaniline	138	7.759	7.764	-0.005	98	68249	9.41	
117 Acenaphthene	153	7.830	7.834	-0.004	99	249914	10.3	
118 2,4-Dinitrophenol	184	7.859	7.864	-0.005	87	22398	27.8	
119 4-Nitrophenol	109	7.947	7.946	0.001	96	56881	17.1	
122 2,4-Dinitrotoluene	165	7.977	7.987	-0.010	86	73022	9.30	
123 Dibenzofuran	168	8.000	8.010	-0.010	96	336227	10.2	
125 2,3,4,6-Tetrachlorophenol	232	8.129	8.134	-0.005	77	47478	8.61	
127 Hexadecane	57	8.147	8.151	-0.004	95	176835	10.1	
130 Diethyl phthalate	149	8.182	8.187	-0.005	99	259993	10.1	
134 4-Chlorophenyl phenyl ether	204	8.329	8.334	-0.005	98	120865	9.90	
135 Fluorene	166	8.353	8.357	-0.004	100	278734	10.2	
138 4-Nitroaniline	138	8.382	8.392	-0.010	98	67537	9.52	
139 4,6-Dinitro-2-methylphenol	198	8.394	8.398	-0.004	88	50987	18.4	
141 N-Nitrosodiphenylamine	169	8.453	8.457	-0.005	97	199941	10.1	
143 1,2-Diphenylhydrazine	77	8.488	8.498	-0.010	97	281454	10.4	
144 Azobenzene	77	8.488	8.498	-0.010	97	281454	10.3	
147 2,4,6 - Tribromophenol	330	8.605	8.610	-0.005	89	31809	8.76	
156 4-Bromophenyl phenyl ether	248	8.829	8.833	-0.004	93	70205	9.76	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.911	8.915	-0.004	96	85897	10.0	
159 Atrazine	200	8.964	8.974	-0.010	94	60479	10.3	
161 n-Octadecane	85	9.075	9.080	-0.005	96	62156	9.80	
163 Pentachlorophenol	266	9.116	9.121	-0.005	92	51035	20.6	
168 Phenanthrene	178	9.340	9.344	-0.004	100	398182	10.4	
169 Anthracene	178	9.393	9.397	-0.004	100	393985	10.2	
170 Carbazole	167	9.563	9.567	-0.004	100	381032	10.3	
171 Alachlor	188	9.651	9.656	-0.005	94	42012	9.31	
173 Di-n-butyl phthalate	149	9.869	9.873	-0.005	100	395332	9.77	
179 Fluoranthene	202	10.838	10.848	-0.010	99	393688	9.87	
181 Benzidine	184	11.044	11.054	-0.010	72	152953	8.90	
182 Pyrene	202	11.220	11.230	-0.010	99	413858	9.87	
188 Famphur	218	12.283	12.294	-0.011	96	100733	8.88	
190 Butyl benzyl phthalate	149	12.383	12.399	-0.016	98	152891	8.72	
195 Bis(2-ethylhexyl) phthalate	149	13.782	13.792	-0.010	85	183907	8.25	
197 3,3'-Dichlorobenzidine	252	13.746	13.763	-0.017	91	105161	8.80	
198 Benzo[a]anthracene	228	13.776	13.792	-0.016	98	380343	9.76	
199 Chrysene	228	13.870	13.892	-0.022	98	365533	9.86	
201 Di-n-octyl phthalate	149	15.709	15.719	-0.010	98	205372	10.4	
203 Benzo[b]fluoranthene	252	16.854	16.882	-0.028	98	326670	9.03	
204 Benzo[k]fluoranthene	252	16.943	16.965	-0.022	98	370582	9.31	
206 Benzo[e]pyrene	252	17.706	17.728	-0.022	95	305130	9.41	
207 Benzo[a]pyrene	252	17.859	17.887	-0.028	97	324149	8.92	
213 Dibenz(a,h)anthracene	278	21.367	21.389	-0.022	76	286208	8.55	
214 Indeno[1,2,3-cd]pyrene	276	21.279	21.313	-0.034	63	274770	8.54	
215 Benzo[g,h,i]perylene	276	22.060	22.094	-0.034	97	324966	9.04	
S 217 Total Cresols	108				0		20.1	
S 218 Methyl Phenols,Total	108				0		20.1	

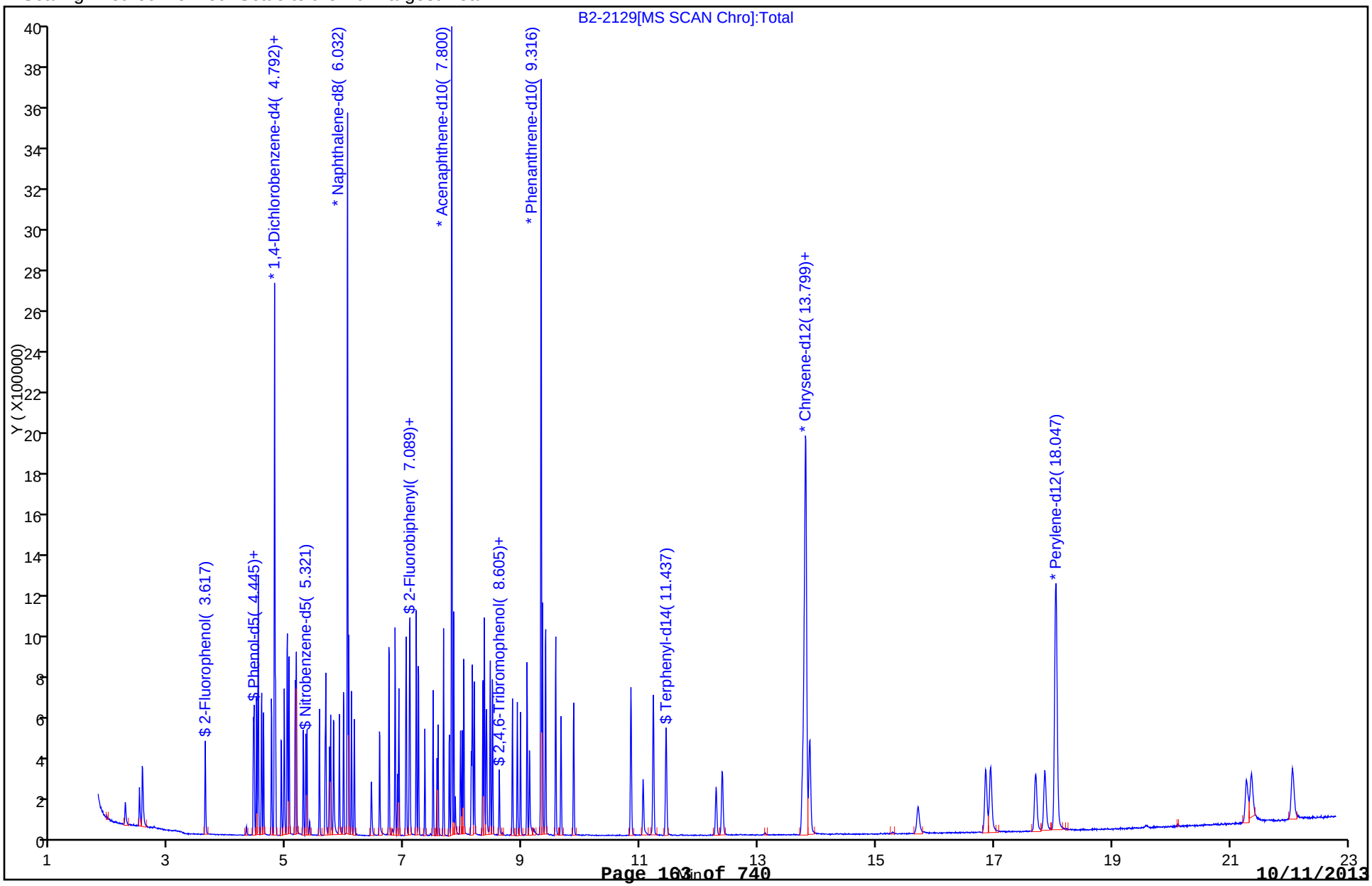
Report Date: 20-Sep-2013 14:55:52 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2129.D

Injection Date:	20-Sep-2013 09:20:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	5
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2130.D
Lims ID: STD020 HSL Client ID:
Inject. Date: 20-Sep-2013 09:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD020 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 5
Lims Batch ID: 192371 Lims Sample ID: 6
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:52 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld Date: 20-Sep-2013 10:48:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.792	4.797	-0.005	91	320615	40.0	
* 2 Naphthalene-d8	136	6.032	6.036	-0.004	100	1275419	40.0	
* 3 Acenaphthene-d10	164	7.800	7.805	-0.005	100	726718	40.0	
* 4 Phenanthrene-d10	188	9.316	9.321	-0.005	99	1204175	40.0	
* 5 Chrysene-d12	240	13.805	13.821	-0.016	84	1295826	40.0	
* 6 Perylene-d12	264	18.047	18.063	-0.016	97	1218691	40.0	
$ 7 2-Fluorophenol	112	3.617	3.616	0.001	98	224292	20.1	
$ 8 Phenol-d5	99	4.434	4.432	0.002	99	274713	19.7	
$ 9 Nitrobenzene-d5	82	5.321	5.325	-0.004	96	236968	19.7	
$ 11 2-Fluorobiphenyl	172	7.089	7.094	-0.005	99	492297	20.7	
$ 12 2,4,6-Tribromophenol	330	8.605	8.610	-0.005	95	59436	18.5	
$ 13 Terphenyl-d14	244	11.437	11.442	-0.005	99	519521	20.1	
19 1,4-Dioxane	88	2.260	2.264	-0.004	95	97948	20.2	
20 N-Nitrosodimethylamine	74	2.500	2.505	-0.005	99	145837	20.1	
21 Pyridine	79	2.547	2.552	-0.005	98	263647	20.2	
32 Phenol	94	4.445	4.444	0.001	92	296441	20.5	
34 Aniline	93	4.486	4.491	-0.005	99	370264	20.6	
35 Alpha Methyl Styrene	118	4.516	4.520	-0.004	86	232313	20.3	
36 Bis(2-chloroethyl)ether	93	4.516	4.520	-0.004	79	230122	20.3	
38 n-Decane	43	4.575	4.573	0.001	95	216977	20.5	
39 2-Chlorophenol	128	4.604	4.609	-0.005	96	237785	20.5	
40 1,3-Dichlorobenzene	146	4.739	4.744	-0.005	98	259700	20.4	
42 1,4-Dichlorobenzene	146	4.810	4.814	-0.004	99	263951	20.3	
43 Benzyl alcohol	108	4.904	4.908	-0.004	99	131348	19.4	
44 1,2-Dichlorobenzene	146	4.956	4.961	-0.005	97	251373	20.3	
45 2-Methylphenol	108	5.003	5.008	-0.005	95	215902	20.5	
46 2,2'-oxybis[1-chloropropane]	45	5.009	5.014	-0.005	89	290057	20.7	
47 Indene	116	5.039	5.043	-0.004	99	392080	20.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.150	5.155	-0.005	79	222215	20.1	
50 3-Methylphenol	108	5.150	5.155	-0.005	95	222215	20.1	
51 4-Methylphenol	108	5.150	5.155	-0.005	95	222215	20.1	
52 N-Nitrosodi-n-propylamine	70	5.139	5.149	-0.010	97	159345	20.3	
54 Acetophenone	105	5.162	5.167	-0.005	82	322143	20.5	
58 Hexachloroethane	117	5.280	5.284	-0.004	95	95713	20.2	
59 Nitrobenzene	77	5.344	5.349	-0.005	99	245354	20.4	
63 Isophorone	82	5.556	5.560	-0.004	99	420236	20.1	
64 2-Nitrophenol	139	5.650	5.654	-0.004	94	112635	19.3	
65 2,4-Dimethylphenol	107	5.661	5.666	-0.005	99	220004	20.1	
68 Benzoic acid	105	5.732	5.772	-0.040	97	232720	34.4	
69 Bis(2-chloroethoxy)methane	93	5.744	5.748	-0.004	95	265839	20.1	
71 3,5-Dimethylphenol	107	5.791	5.795	-0.004	99	230294	19.9	
74 2,4-Dichlorophenol	162	5.891	5.895	-0.004	96	178393	19.4	
76 1,2,4-Trichlorobenzene	180	5.961	5.966	-0.005	94	206717	20.0	
79 Naphthalene	128	6.049	6.054	-0.005	100	683118	20.7	
80 4-Chloroaniline	127	6.096	6.101	-0.005	99	302521	20.4	
83 Hexachlorobutadiene	225	6.143	6.148	-0.005	96	108186	20.1	
86 Caprolactam	55	6.437	6.448	-0.011	93	108312	19.1	
89 4-Chloro-3-methylphenol	107	6.572	6.577	-0.005	98	183820	19.5	
93 2-Methylnaphthalene	142	6.731	6.736	-0.005	97	462861	20.3	
96 1-Methylnaphthalene	142	6.837	6.841	-0.004	99	434015	20.2	
97 Hexachlorocyclopentadiene	237	6.878	6.882	-0.004	94	73694	16.9	
98 1,2,4,5-Tetrachlorobenzene	216	6.901	6.906	-0.005	96	196460	20.0	
100 2,4,6-Trichlorophenol	196	7.019	7.023	-0.004	92	119144	19.7	
101 2,3-Dichlorobenzenamine	161	7.025	7.029	-0.004	96	241929	20.7	
102 2,4,5-Trichlorophenol	196	7.077	7.076	0.001	96	132543	20.1	
104 1,1'-Biphenyl	154	7.195	7.200	-0.005	96	555593	20.9	
106 2-Chloronaphthalene	162	7.230	7.235	-0.005	99	430435	20.6	
108 2-Nitroaniline	65	7.342	7.347	-0.005	94	133850	19.8	
111 Dimethyl phthalate	163	7.483	7.488	-0.005	99	460901	20.2	
112 1,3-Dinitrobenzene	168	7.548	7.552	-0.004	81	65938	18.4	
113 2,6-Dinitrotoluene	165	7.565	7.570	-0.005	92	106824	19.9	
114 Acenaphthylene	152	7.659	7.664	-0.005	100	682786	20.7	
115 3-Nitroaniline	138	7.753	7.764	-0.011	97	130132	20.2	
117 Acenaphthene	153	7.830	7.834	-0.004	99	446337	20.7	
118 2,4-Dinitrophenol	184	7.859	7.864	-0.005	92	59396	40.0	
119 4-Nitrophenol	109	7.941	7.946	-0.005	96	110639	37.3	
122 2,4-Dinitrotoluene	165	7.976	7.987	-0.011	92	141083	20.2	
123 Dibenzofuran	168	8.000	8.010	-0.010	97	605275	20.7	
125 2,3,4,6-Tetrachlorophenol	232	8.129	8.134	-0.005	73	94118	19.2	
127 Hexadecane	57	8.147	8.151	-0.004	96	325957	20.9	
130 Diethyl phthalate	149	8.182	8.187	-0.005	100	471997	20.7	
134 4-Chlorophenyl phenyl ether	204	8.329	8.334	-0.005	97	218722	20.1	
135 Fluorene	166	8.352	8.357	-0.005	99	503333	20.7	
138 4-Nitroaniline	138	8.382	8.392	-0.010	94	128525	20.4	
139 4,6-Dinitro-2-methylphenol	198	8.394	8.398	-0.004	91	112432	34.6	
141 N-Nitrosodiphenylamine	169	8.452	8.457	-0.005	97	366520	20.5	
143 1,2-Diphenylhydrazine	77	8.488	8.498	-0.010	97	510767	21.2	
144 Azobenzene	77	8.488	8.498	-0.010	97	510767	21.0	
147 2,4,6 - Tribromophenol	330	8.605	8.610	-0.005	95	61126	18.9	
156 4-Bromophenyl phenyl ether	248	8.828	8.833	-0.005	95	128372	19.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.911	8.915	-0.004	95	156509	20.2	
159 Atrazine	200	8.963	8.974	-0.011	92	109098	20.4	
161 n-Octadecane	85	9.075	9.080	-0.005	95	116661	20.3	
163 Pentachlorophenol	266	9.116	9.121	-0.005	95	121931	38.1	
168 Phenanthrene	178	9.340	9.344	-0.004	100	723963	20.9	
169 Anthracene	178	9.392	9.397	-0.005	100	725072	20.8	
170 Carbazole	167	9.563	9.567	-0.004	98	700934	20.8	
171 Alachlor	188	9.651	9.656	-0.005	95	82138	20.1	
173 Di-n-butyl phthalate	149	9.868	9.873	-0.005	100	752389	20.5	
179 Fluoranthene	202	10.838	10.848	-0.010	100	728606	20.1	
181 Benzidine	184	11.043	11.054	-0.011	73	352848	20.0	
182 Pyrene	202	11.220	11.230	-0.010	99	776249	20.7	
188 Famphur	218	12.283	12.294	-0.011	96	207586	20.5	
190 Butyl benzyl phthalate	149	12.389	12.399	-0.010	100	308905	19.7	
195 Bis(2-ethylhexyl) phthalate	149	13.781	13.792	-0.011	91	383133	19.2	
197 3,3'-Dichlorobenzidine	252	13.746	13.763	-0.017	97	214036	18.2	
198 Benzo[a]anthracene	228	13.775	13.792	-0.017	98	708296	20.3	
199 Chrysene	228	13.875	13.892	-0.017	98	665022	20.1	
201 Di-n-octyl phthalate	149	15.709	15.719	-0.010	99	473281	18.3	
203 Benzo[b]fluoranthene	252	16.860	16.882	-0.022	98	629063	19.2	
204 Benzo[k]fluoranthene	252	16.942	16.965	-0.023	96	719592	19.9	
206 Benzo[e]pyrene	252	17.700	17.728	-0.028	97	564014	19.2	
207 Benzo[a]pyrene	252	17.859	17.887	-0.028	99	630311	19.1	
213 Dibenz(a,h)anthracene	278	21.367	21.389	-0.022	77	572006	18.8	
214 Indeno[1,2,3-cd]pyrene	276	21.278	21.313	-0.035	63	528310	18.4	M
215 Benzo[g,h,i]perylene	276	22.060	22.094	-0.034	95	634988	19.5	
S 217 Total Cresols	108				0		40.6	
S 218 Methyl Phenols,Total	108				0		40.6	

QC Flag Legend

Review Flags
M - Manually Integrated

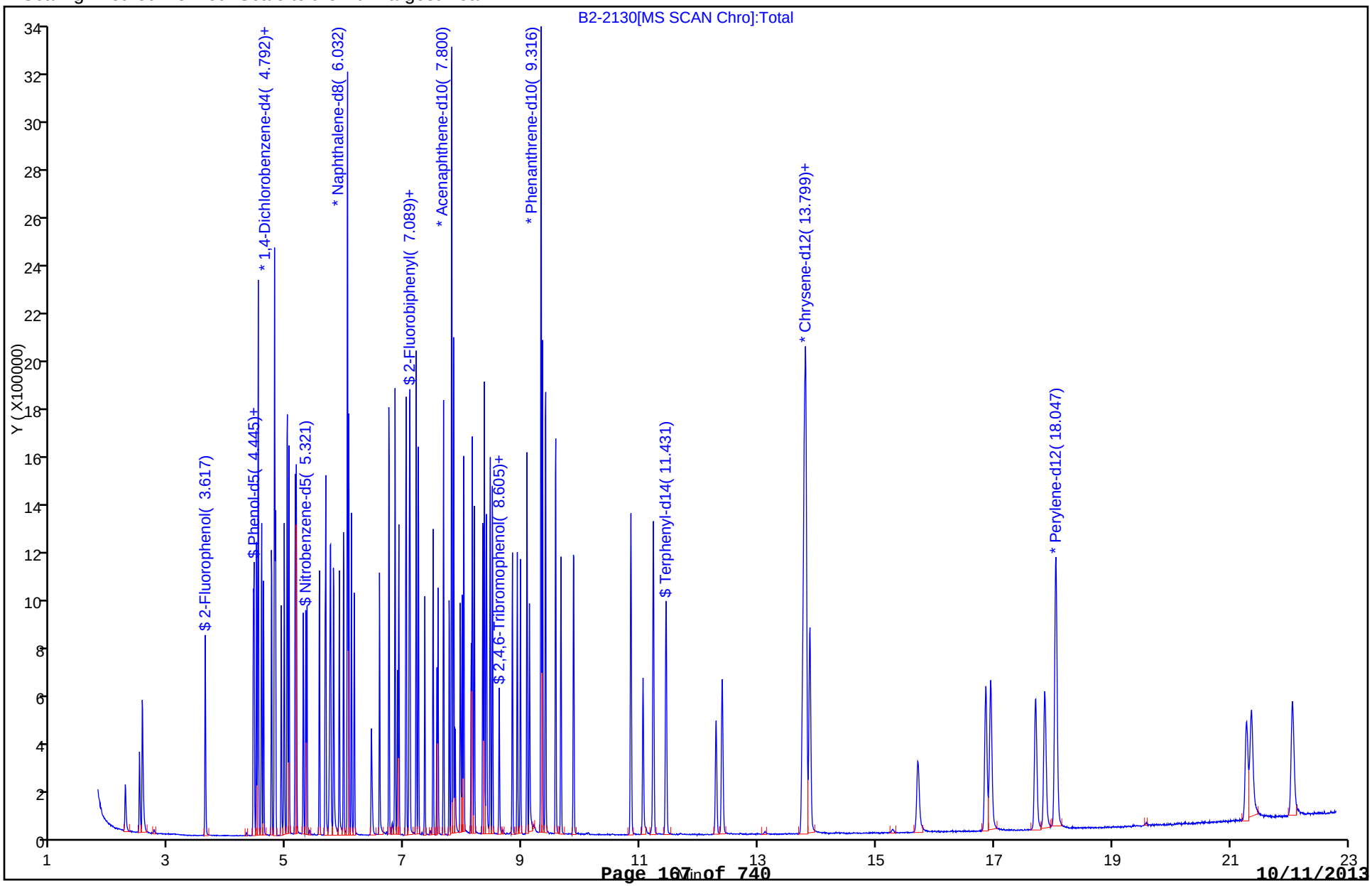
Report Date: 20-Sep-2013 14:55:52 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2130.D

Injection Date:	20-Sep-2013 09:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	6
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

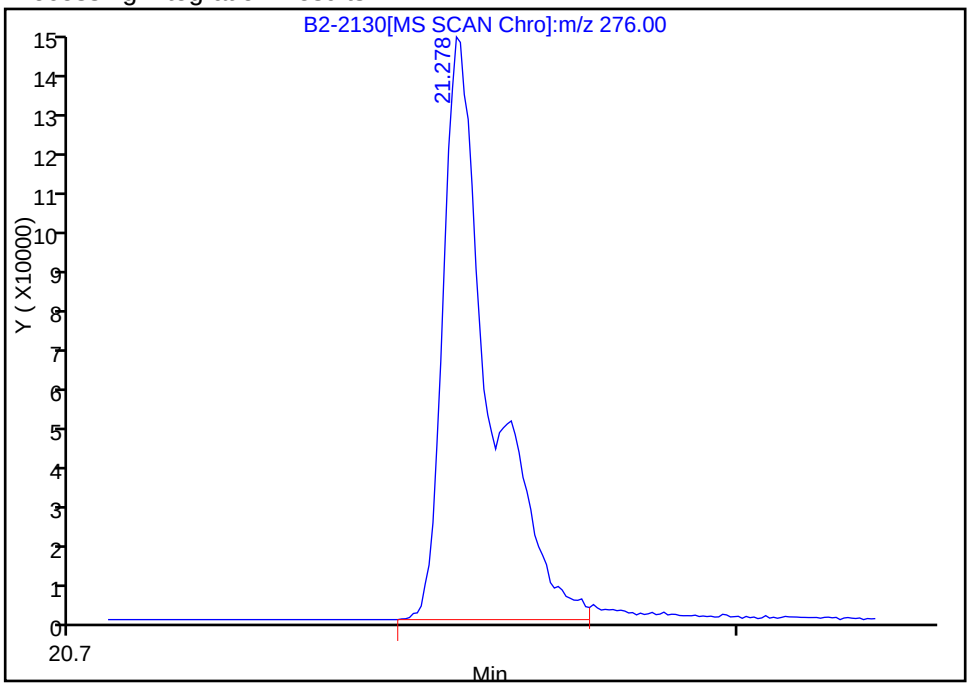
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2130.D		
Injection Date:	20-Sep-2013 09:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	6
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 21.31

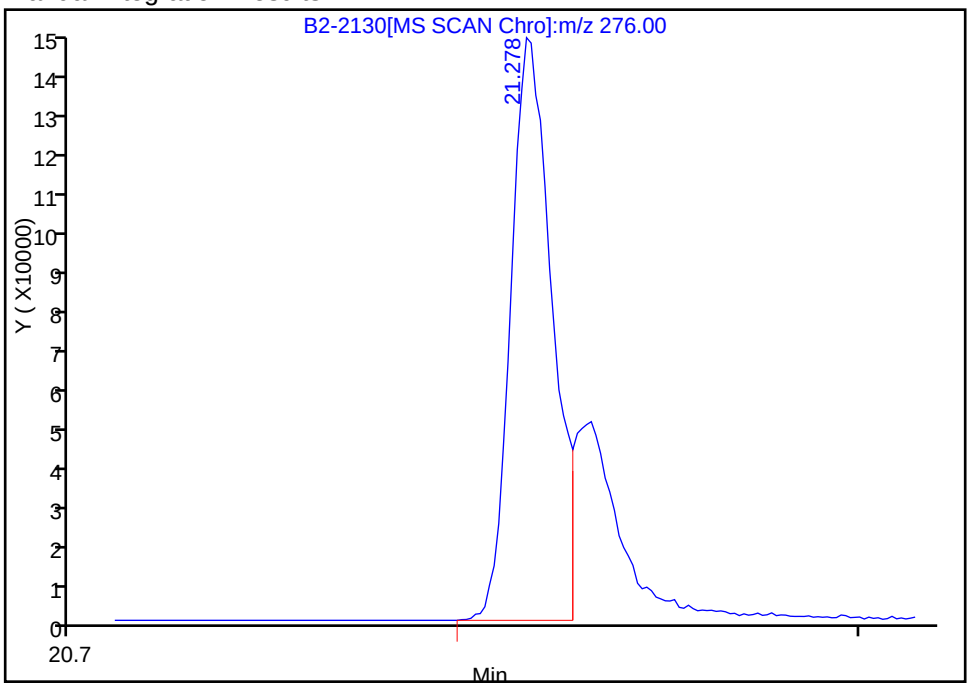
Processing Integration Results

RT: 21.28
Response: 706093
Amount: 18.629889



Manual Integration Results

RT: 21.28
Response: 528310
Amount: 18.374329



Reviewer: kiekeld, 20-Sep-2013 10:48:16
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2131.D
Lims ID: STD050 HSL Client ID:
Inject. Date: 20-Sep-2013 10:20:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD050 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 6
Lims Batch ID: 192371 Lims Sample ID: 7
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:53 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld Date: 20-Sep-2013 10:50:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.789	4.797	-0.008	92	312039	40.0	
* 2 Naphthalene-d8	136	6.029	6.036	-0.007	100	1237076	40.0	
* 3 Acenaphthene-d10	164	7.798	7.805	-0.007	99	720800	40.0	
* 4 Phenanthrene-d10	188	9.314	9.321	-0.007	99	1179192	40.0	
* 5 Chrysene-d12	240	13.808	13.821	-0.013	86	1297652	40.0	
* 6 Perylene-d12	264	18.044	18.063	-0.019	97	1194910	40.0	
$ 7 2-Fluorophenol	112	3.614	3.616	-0.002	97	551960	50.8	
$ 8 Phenol-d5	99	4.431	4.432	-0.001	100	704838	51.9	
$ 9 Nitrobenzene-d5	82	5.324	5.325	-0.001	98	594095	51.0	
$ 11 2-Fluorobiphenyl	172	7.087	7.094	-0.007	99	1198981	50.8	
$ 12 2,4,6-Tribromophenol	330	8.603	8.610	-0.007	94	166309	52.3	
$ 13 Terphenyl-d14	244	11.435	11.442	-0.007	99	1315703	50.8	
19 1,4-Dioxane	88	2.263	2.264	-0.001	97	239449	50.7	
20 N-Nitrosodimethylamine	74	2.504	2.505	-0.001	99	360984	51.2	
21 Pyridine	79	2.545	2.552	-0.007	98	652311	51.3	
32 Phenol	94	4.443	4.444	-0.001	93	711131	50.5	
34 Aniline	93	4.490	4.491	-0.001	99	898056	51.4	
35 Alpha Methyl Styrene	118	4.513	4.520	-0.007	91	575408	51.6	
36 Bis(2-chloroethyl)ether	93	4.519	4.520	-0.001	89	568510	51.6	
38 n-Decane	43	4.572	4.573	-0.001	96	525807	51.1	
39 2-Chlorophenol	128	4.607	4.609	-0.002	97	572521	50.6	
40 1,3-Dichlorobenzene	146	4.742	4.744	-0.002	98	627353	50.6	
42 1,4-Dichlorobenzene	146	4.807	4.814	-0.007	98	641548	50.7	
43 Benzyl alcohol	108	4.907	4.908	-0.001	99	354161	53.7	
44 1,2-Dichlorobenzene	146	4.954	4.961	-0.007	97	612037	50.9	
45 2-Methylphenol	108	5.007	5.008	-0.001	97	526791	51.4	
46 2,2'-oxybis[1-chloropropane]	45	5.013	5.014	-0.001	87	692202	50.8	
47 Indene	116	5.036	5.043	-0.007	93	957911	51.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.148	5.155	-0.007	76	559171	52.0	
50 3-Methylphenol	108	5.148	5.155	-0.007	97	559171	52.0	
51 4-Methylphenol	108	5.148	5.155	-0.007	93	559171	52.0	
52 N-Nitrosodi-n-propylamine	70	5.142	5.149	-0.007	92	393922	51.7	
54 Acetophenone	105	5.165	5.167	-0.002	75	778903	50.9	
58 Hexachloroethane	117	5.277	5.284	-0.007	96	234708	51.0	
59 Nitrobenzene	77	5.342	5.349	-0.007	99	595178	50.9	
63 Isophorone	82	5.553	5.560	-0.007	99	1046027	51.6	
64 2-Nitrophenol	139	5.647	5.654	-0.007	92	292119	51.7	
65 2,4-Dimethylphenol	107	5.659	5.666	-0.007	98	550707	51.7	
68 Benzoic acid	105	5.753	5.772	-0.019	98	669446	89.3	
69 Bis(2-chloroethoxy)methane	93	5.741	5.748	-0.007	94	650006	50.6	
71 3,5-Dimethylphenol	107	5.794	5.795	-0.001	99	587384	52.4	
74 2,4-Dichlorophenol	162	5.888	5.895	-0.007	97	461757	51.8	
76 1,2,4-Trichlorobenzene	180	5.965	5.966	-0.002	98	510592	50.9	
79 Naphthalene	128	6.053	6.054	-0.001	100	1651194	51.7	
80 4-Chloroaniline	127	6.094	6.101	-0.007	99	733320	51.0	
83 Hexachlorobutadiene	225	6.147	6.148	-0.001	98	265372	50.8	
86 Caprolactam	55	6.440	6.448	-0.008	93	280507	51.0	
89 4-Chloro-3-methylphenol	107	6.570	6.577	-0.007	99	470780	51.6	
93 2-Methylnaphthalene	142	6.734	6.736	-0.002	100	1130421	51.2	
96 1-Methylnaphthalene	142	6.834	6.841	-0.007	99	1067283	51.2	
97 Hexachlorocyclopentadiene	237	6.881	6.882	-0.001	98	229993	45.4	
98 1,2,4,5-Tetrachlorobenzene	216	6.899	6.906	-0.007	97	481113	50.4	
100 2,4,6-Trichlorophenol	196	7.016	7.023	-0.007	87	310868	51.8	
101 2,3-Dichlorobenzenamine	161	7.028	7.029	-0.001	91	587750	50.7	
102 2,4,5-Trichlorophenol	196	7.075	7.076	-0.001	97	328804	50.3	
104 1,1'-Biphenyl	154	7.198	7.200	-0.002	96	1336843	50.6	
106 2-Chloronaphthalene	162	7.234	7.235	-0.001	99	1052939	50.8	
108 2-Nitroaniline	65	7.339	7.347	-0.008	97	356151	53.1	
111 Dimethyl phthalate	163	7.480	7.488	-0.008	99	1154170	51.1	
112 1,3-Dinitrobenzene	168	7.551	7.552	-0.001	87	188942	49.6	
113 2,6-Dinitrotoluene	165	7.569	7.570	-0.002	96	280369	52.8	
114 Acenaphthylene	152	7.657	7.664	-0.007	100	1684469	51.5	
115 3-Nitroaniline	138	7.757	7.764	-0.007	97	329279	51.5	
117 Acenaphthene	153	7.833	7.834	-0.001	99	1087800	50.7	
118 2,4-Dinitrophenol	184	7.856	7.864	-0.008	90	212331	88.0	
119 4-Nitrophenol	109	7.939	7.946	-0.007	95	308679	104.9	
122 2,4-Dinitrotoluene	165	7.980	7.987	-0.007	96	361281	52.2	
123 Dibenzofuran	168	8.003	8.010	-0.007	100	1466591	50.5	
125 2,3,4,6-Tetrachlorophenol	232	8.127	8.134	-0.007	73	253623	52.1	
127 Hexadecane	57	8.150	8.151	-0.001	96	803953	51.9	
130 Diethyl phthalate	149	8.180	8.187	-0.007	99	1148952	50.8	
134 4-Chlorophenyl phenyl ether	204	8.326	8.334	-0.008	97	542200	50.3	
135 Fluorene	166	8.350	8.357	-0.007	100	1236514	51.2	
138 4-Nitroaniline	138	8.385	8.392	-0.007	96	331042	52.8	
139 4,6-Dinitro-2-methylphenol	198	8.391	8.398	-0.007	73	340265	92.2	
141 N-Nitrosodiphenylamine	169	8.450	8.457	-0.007	97	887823	50.7	
143 1,2-Diphenylhydrazine	77	8.491	8.498	-0.007	97	1234185	51.7	
144 Azobenzene	77	8.491	8.498	-0.007	97	1234185	51.1	
147 2,4,6 - Tribromophenol	330	8.603	8.610	-0.007	94	165482	51.6	
156 4-Bromophenyl phenyl ether	248	8.826	8.833	-0.007	96	331404	51.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.914	8.915	-0.001	97	381561	50.2	
159 Atrazine	200	8.967	8.974	-0.007	94	276408	52.8	
161 n-Octadecane	85	9.073	9.080	-0.007	96	298116	52.9	
163 Pentachlorophenol	266	9.120	9.121	-0.001	98	364039	95.7	
168 Phenanthrene	178	9.337	9.344	-0.007	99	1738598	51.2	
169 Anthracene	178	9.390	9.397	-0.007	100	1767278	51.7	
170 Carbazole	167	9.560	9.567	-0.007	99	1736161	52.6	
171 Alachlor	188	9.654	9.656	-0.002	98	212904	53.1	
173 Di-n-butyl phthalate	149	9.866	9.873	-0.007	100	1912334	53.2	
179 Fluoranthene	202	10.841	10.848	-0.007	100	1847637	52.1	
181 Benzidine	184	11.047	11.054	-0.007	68	1006362	53.4	
182 Pyrene	202	11.223	11.230	-0.007	99	1920155	51.1	
188 Famphur	218	12.287	12.294	-0.008	98	568190	56.0	
190 Butyl benzyl phthalate	149	12.386	12.399	-0.013	99	825419	52.6	
195 Bis(2-ethylhexyl) phthalate	149	13.779	13.792	-0.013	93	1072827	53.8	
197 3,3'-Dichlorobenzidine	252	13.749	13.763	-0.014	98	621411	49.9	
198 Benzo[a]anthracene	228	13.779	13.792	-0.013	98	1770861	50.7	
199 Chrysene	228	13.879	13.892	-0.013	99	1675264	50.5	
201 Di-n-octyl phthalate	149	15.706	15.719	-0.013	100	1563922	47.9	
203 Benzo[b]fluoranthene	252	16.863	16.882	-0.019	97	1683990	52.3	
204 Benzo[k]fluoranthene	252	16.946	16.965	-0.019	96	1850733	52.3	
206 Benzo[e]pyrene	252	17.710	17.728	-0.018	95	1487181	51.6	
207 Benzo[a]pyrene	252	17.862	17.887	-0.025	96	1705399	52.8	
213 Dibenz(a,h)anthracene	278	21.370	21.389	-0.019	75	1550484	52.1	
214 Indeno[1,2,3-cd]pyrene	276	21.288	21.313	-0.025	72	1453820	50.5	M
215 Benzo[g,h,i]perylene	276	22.069	22.094	-0.025	98	1656717	51.8	
S 217 Total Cresols	108				0		103.4	
S 218 Methyl Phenols,Total	108				0		103.4	

QC Flag Legend

Review Flags
M - Manually Integrated

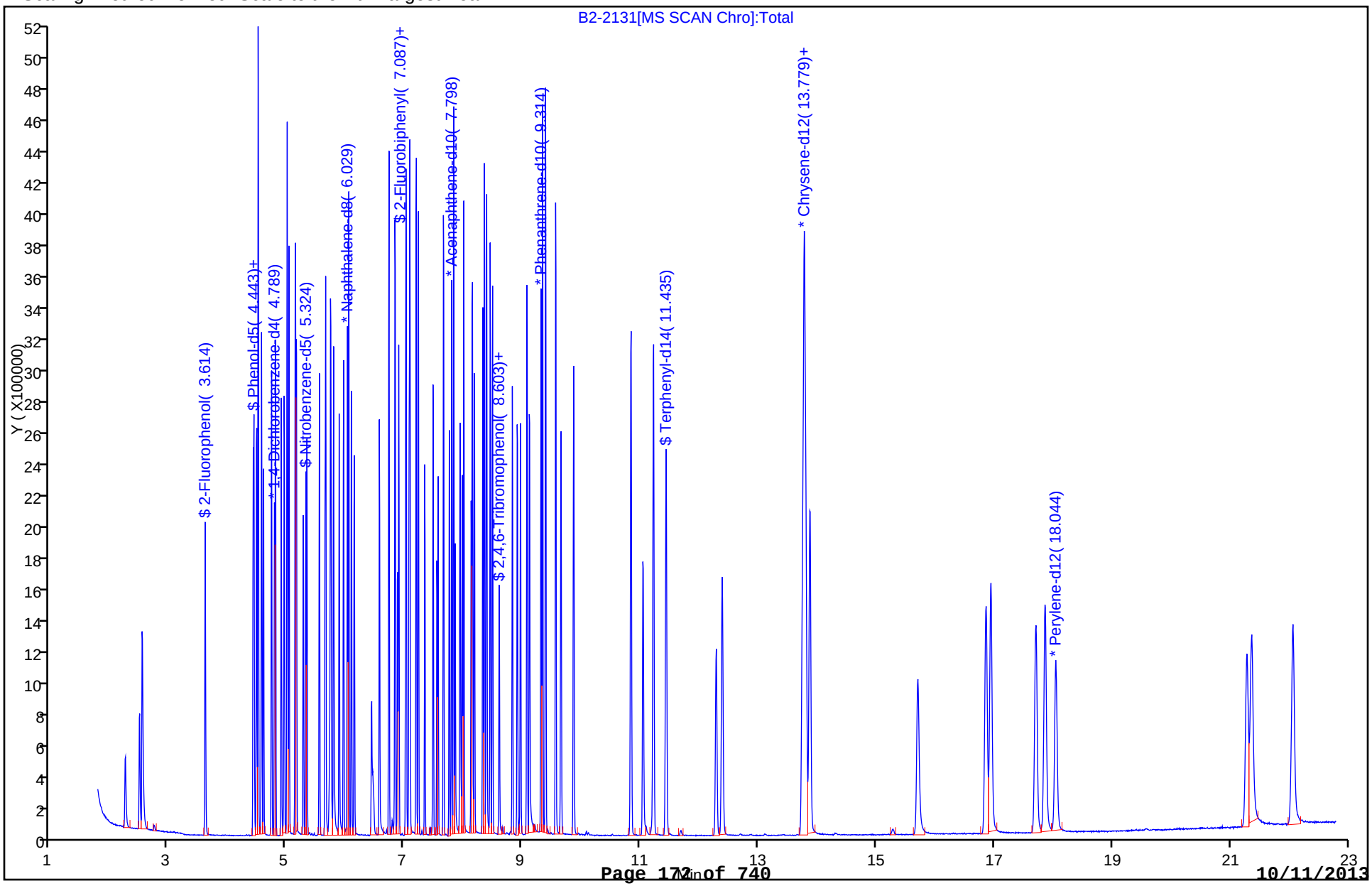
Report Date: 20-Sep-2013 14:55:53 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2131.D

Injection Date:	20-Sep-2013 10:20:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	7
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

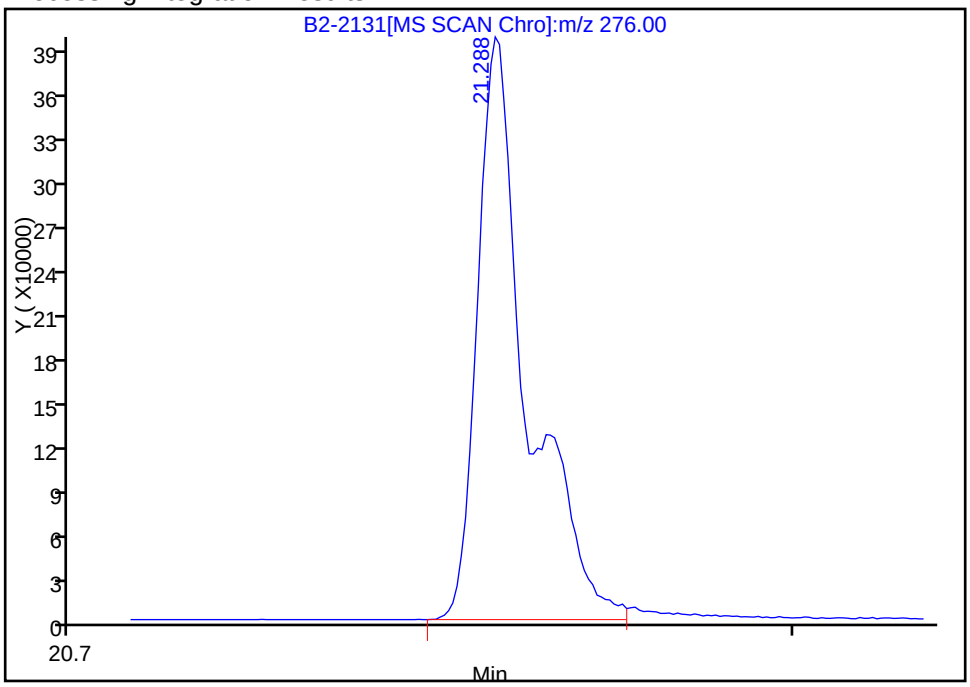
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2131.D		
Injection Date:	20-Sep-2013 10:20:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	7
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 21.31

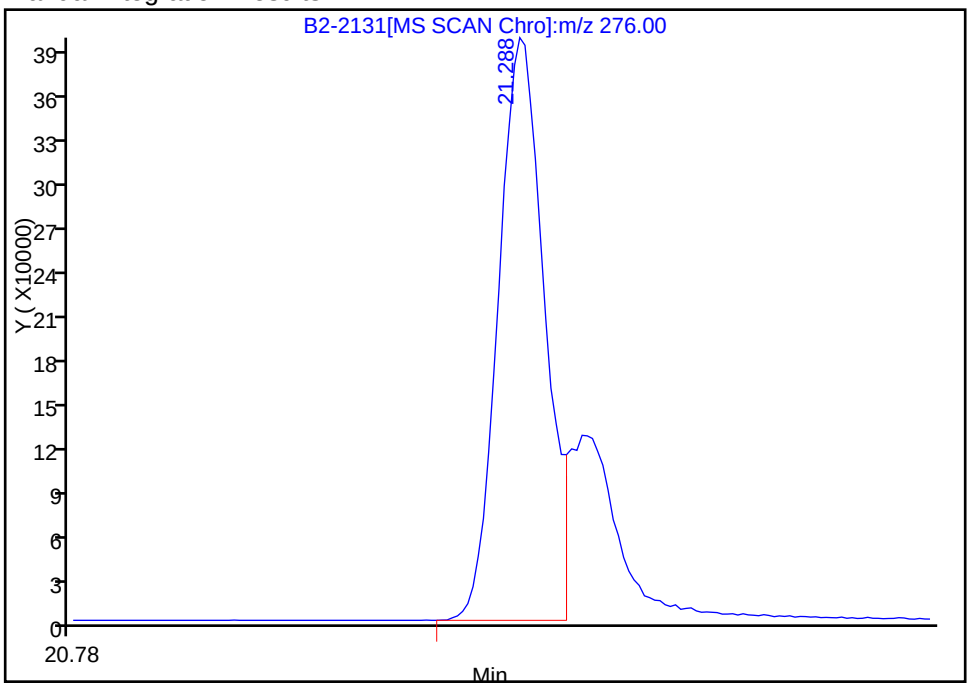
Processing Integration Results

RT: 21.29
Response: 1901386
Amount: 65.836041



Manual Integration Results

RT: 21.29
Response: 1453820
Amount: 50.491905



Reviewer: kiekeld, 20-Sep-2013 10:50:04
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2132.D
Lims ID: STD120 HSL Client ID:
Inject. Date: 20-Sep-2013 10:50:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD120 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 7
Lims Batch ID: 192371 Lims Sample ID: 8
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:53 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld Date: 20-Sep-2013 14:43:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.791	4.797	-0.006	92	322261	40.0	
* 2 Naphthalene-d8	136	6.031	6.036	-0.005	99	1260399	40.0	
* 3 Acenaphthene-d10	164	7.799	7.805	-0.006	99	732016	40.0	
* 4 Phenanthrene-d10	188	9.315	9.321	-0.006	99	1223646	40.0	
* 5 Chrysene-d12	240	13.810	13.821	-0.011	97	1336860	40.0	
* 6 Perylene-d12	264	18.052	18.063	-0.011	99	1239035	40.0	
$ 7 2-Fluorophenol	112	3.616	3.616	0.0	97	1320598	117.6	
$ 8 Phenol-d5	99	4.432	4.432	0.0	94	1638822	116.9	
$ 9 Nitrobenzene-d5	82	5.326	5.325	0.001	97	1424707	120.1	
$ 11 2-Fluorobiphenyl	172	7.088	7.094	-0.006	99	2755406	114.9	
$ 12 2,4,6-Tribromophenol	330	8.610	8.610	0.0	98	413308	128.0	
$ 13 Terphenyl-d14	244	11.436	11.442	-0.006	99	3123872	117.1	
19 1,4-Dioxane	88	2.259	2.264	-0.005	98	561260	115.0	
20 N-Nitrosodimethylamine	74	2.505	2.505	0.0	99	857431	117.8	
21 Pyridine	79	2.546	2.552	-0.006	98	1524967	116.0	
32 Phenol	94	4.444	4.444	0.0	92	1679115	115.4	
34 Aniline	93	4.491	4.491	0.0	99	2084915	115.5	
35 Alpha Methyl Styrene	118	4.515	4.520	-0.005	94	1322042	114.7	
36 Bis(2-chloroethyl)ether	93	4.521	4.520	0.001	91	1292341	113.5	
38 n-Decane	43	4.573	4.573	0.0	95	1206216	113.4	
39 2-Chlorophenol	128	4.603	4.609	-0.006	96	1371525	117.4	
40 1,3-Dichlorobenzene	146	4.744	4.744	0.0	98	1479331	115.6	
42 1,4-Dichlorobenzene	146	4.808	4.814	-0.006	98	1494000	114.3	
43 Benzyl alcohol	108	4.908	4.908	0.0	99	848127	124.5	
44 1,2-Dichlorobenzene	146	4.955	4.961	-0.006	97	1414440	113.8	
45 2-Methylphenol	108	5.008	5.008	0.0	97	1225073	115.8	
46 2,2'-oxybis[1-chloropropane]	45	5.014	5.014	0.0	94	1594887	113.2	
47 Indene	116	5.038	5.043	-0.005	93	2220819	114.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.149	5.155	-0.006	71	1311530	118.1	
50 3-Methylphenol	108	5.149	5.155	-0.006	97	1311530	118.1	
51 4-Methylphenol	108	5.149	5.155	-0.006	95	1311530	118.1	
52 N-Nitrosodi-n-propylamine	70	5.143	5.149	-0.006	92	904884	115.0	
54 Acetophenone	105	5.167	5.167	0.0	75	1817746	114.9	
58 Hexachloroethane	117	5.279	5.284	-0.006	96	552859	116.4	
59 Nitrobenzene	77	5.343	5.349	-0.006	98	1398235	117.5	
63 Isophorone	82	5.555	5.560	-0.005	99	2427186	117.5	
64 2-Nitrophenol	139	5.649	5.654	-0.005	93	730637	126.9	
65 2,4-Dimethylphenol	107	5.660	5.666	-0.006	98	1290914	119.1	
68 Benzoic acid	105	5.784	5.772	0.012	98	1934433	241.5	
69 Bis(2-chloroethoxy)methane	93	5.749	5.748	0.001	98	1529542	116.8	
71 3,5-Dimethylphenol	107	5.796	5.795	0.001	98	1354180	118.6	
74 2,4-Dichlorophenol	162	5.890	5.895	-0.005	96	1103308	121.4	
76 1,2,4-Trichlorobenzene	180	5.966	5.966	0.0	96	1195094	116.9	
79 Naphthalene	128	6.054	6.054	0.0	100	3735805	114.8	
80 4-Chloroaniline	127	6.101	6.101	0.0	100	1730188	118.1	
83 Hexachlorobutadiene	225	6.148	6.148	0.0	98	631623	118.6	
86 Caprolactam	55	6.454	6.448	0.006	94	683487	122.1	M
89 4-Chloro-3-methylphenol	107	6.571	6.577	-0.006	99	1136633	122.3	
93 2-Methylnaphthalene	142	6.736	6.736	0.0	98	2613923	116.2	
96 1-Methylnaphthalene	142	6.841	6.841	0.0	100	2454187	115.6	
97 Hexachlorocyclopentadiene	237	6.883	6.882	0.001	97	639796	117.9	
98 1,2,4,5-Tetrachlorobenzene	216	6.900	6.906	-0.006	97	1145138	117.7	
100 2,4,6-Trichlorophenol	196	7.024	7.023	0.001	92	753796	123.8	
101 2,3-Dichlorobenzenamine	161	7.029	7.029	0.0	89	1374970	116.8	
102 2,4,5-Trichlorophenol	196	7.076	7.076	0.0	98	809696	121.9	
104 1,1'-Biphenyl	154	7.200	7.200	0.0	96	3083148	114.9	
106 2-Chloronaphthalene	162	7.235	7.235	0.0	99	2432274	115.4	
108 2-Nitroaniline	65	7.347	7.347	0.0	97	846735	124.4	
111 Dimethyl phthalate	163	7.488	7.488	0.0	99	2690218	117.2	
112 1,3-Dinitrobenzene	168	7.552	7.552	0.0	82	479569	121.1	
113 2,6-Dinitrotoluene	165	7.570	7.570	0.0	93	664455	123.2	
114 Acenaphthylene	152	7.664	7.664	0.0	99	3902259	117.4	
115 3-Nitroaniline	138	7.764	7.764	0.0	98	796602	122.6	
117 Acenaphthene	153	7.834	7.834	0.0	99	2530393	116.2	
118 2,4-Dinitrophenol	184	7.864	7.864	0.0	96	663427	226.0	
119 4-Nitrophenol	109	7.940	7.946	-0.006	96	780456	261.2	
122 2,4-Dinitrotoluene	165	7.981	7.987	-0.006	92	880072	125.1	
123 Dibenzofuran	168	8.005	8.010	-0.005	99	3376594	114.6	
125 2,3,4,6-Tetrachlorophenol	232	8.134	8.134	0.0	71	633284	128.1	
127 Hexadecane	57	8.152	8.151	0.001	96	1817457	115.5	
130 Diethyl phthalate	149	8.187	8.187	0.0	99	2650385	115.3	
134 4-Chlorophenyl phenyl ether	204	8.328	8.334	-0.006	97	1291499	118.1	
135 Fluorene	166	8.357	8.357	0.0	100	2866465	116.9	
138 4-Nitroaniline	138	8.398	8.392	0.006	90	776528	122.1	
139 4,6-Dinitro-2-methylphenol	198	8.398	8.398	0.0	74	934929	232.3	
141 N-Nitrosodiphenylamine	169	8.457	8.457	0.0	98	2117416	116.6	
143 1,2-Diphenylhydrazine	77	8.492	8.498	-0.006	97	2856065	117.7	
144 Azobenzene	77	8.492	8.498	-0.006	97	2856065	116.4	
147 2,4,6 - Tribromophenol	330	8.610	8.610	0.0	98	413265	127.0	
156 4-Bromophenyl phenyl ether	248	8.833	8.833	0.0	99	777312	117.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.915	8.915	0.0	97	900589	114.3	
159 Atrazine	200	8.968	8.974	-0.006	94	637594	117.4	
161 n-Octadecane	85	9.074	9.080	-0.006	96	678223	116.0	
163 Pentachlorophenol	266	9.121	9.121	0.0	97	990100	234.6	
168 Phenanthrene	178	9.344	9.344	0.0	99	3989928	113.2	
169 Anthracene	178	9.397	9.397	0.0	100	4097365	115.5	
170 Carbazole	167	9.568	9.567	0.001	100	3968847	116.0	
171 Alachlor	188	9.656	9.656	0.0	99	507455	122.0	
173 Di-n-butyl phthalate	149	9.867	9.873	-0.006	100	4471334	119.9	
179 Fluoranthene	202	10.843	10.848	-0.005	100	4344704	118.1	
181 Benzidine	184	11.048	11.054	-0.006	74	2394042	120.9	
182 Pyrene	202	11.224	11.230	-0.006	96	4507521	116.5	
188 Famphur	218	12.288	12.294	-0.006	98	1332319	127.3	
190 Butyl benzyl phthalate	149	12.394	12.399	-0.005	98	2038858	126.1	
195 Bis(2-ethylhexyl) phthalate	149	13.780	13.792	-0.012	96	2640441	128.5	
197 3,3'-Dichlorobenzidine	252	13.751	13.763	-0.012	98	1603527	122.8	
198 Benzo[a]anthracene	228	13.786	13.792	-0.006	99	4271423	118.8	
199 Chrysene	228	13.886	13.892	-0.006	99	3982180	116.5	
201 Di-n-octyl phthalate	149	15.707	15.719	-0.012	99	4323190	119.3	
203 Benzo[b]fluoranthene	252	16.871	16.882	-0.011	97	4094095	122.7	
204 Benzo[k]fluoranthene	252	16.959	16.965	-0.006	98	4497003	122.5	
206 Benzo[e]pyrene	252	17.723	17.728	-0.005	95	3647626	122.0	
207 Benzo[a]pyrene	252	17.881	17.887	-0.006	99	4221076	125.9	
213 Dibenz(a,h)anthracene	278	21.383	21.389	-0.006	74	3994859	129.5	
214 Indeno[1,2,3-cd]pyrene	276	21.301	21.313	-0.012	67	3734845	125.9	M
215 Benzo[g,h,i]perylene	276	22.088	22.094	-0.006	96	4124427	124.4	
S 217 Total Cresols	108				0		233.9	
S 218 Methyl Phenols,Total	108				0		233.9	

QC Flag Legend

Review Flags
M - Manually Integrated

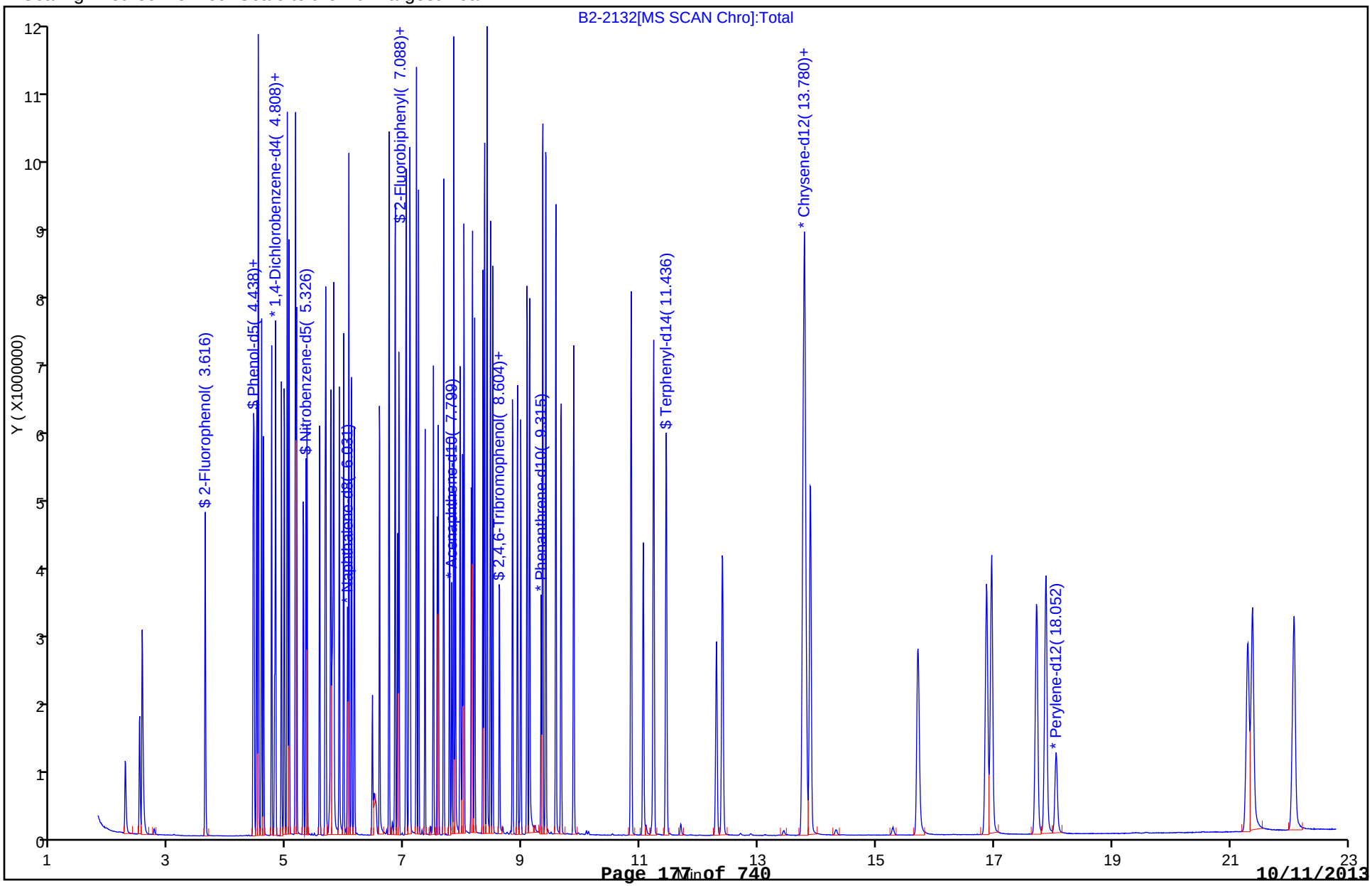
Report Date: 20-Sep-2013 14:55:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2132.D

Injection Date:	20-Sep-2013 10:50:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	8
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

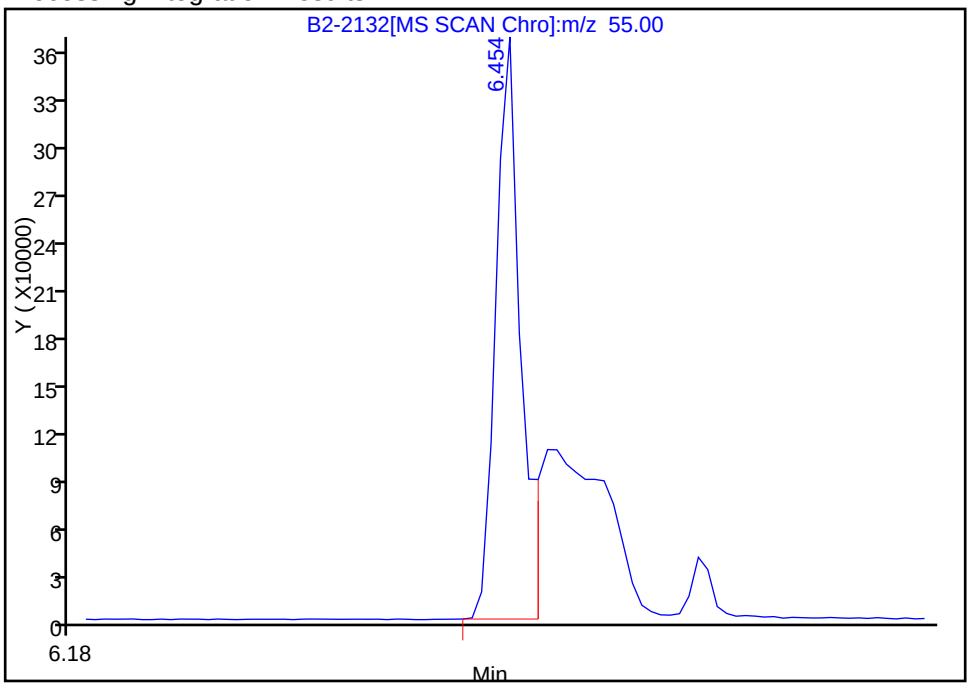
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2132.D		
Injection Date:	20-Sep-2013 10:50:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	8
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

86 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 6.45

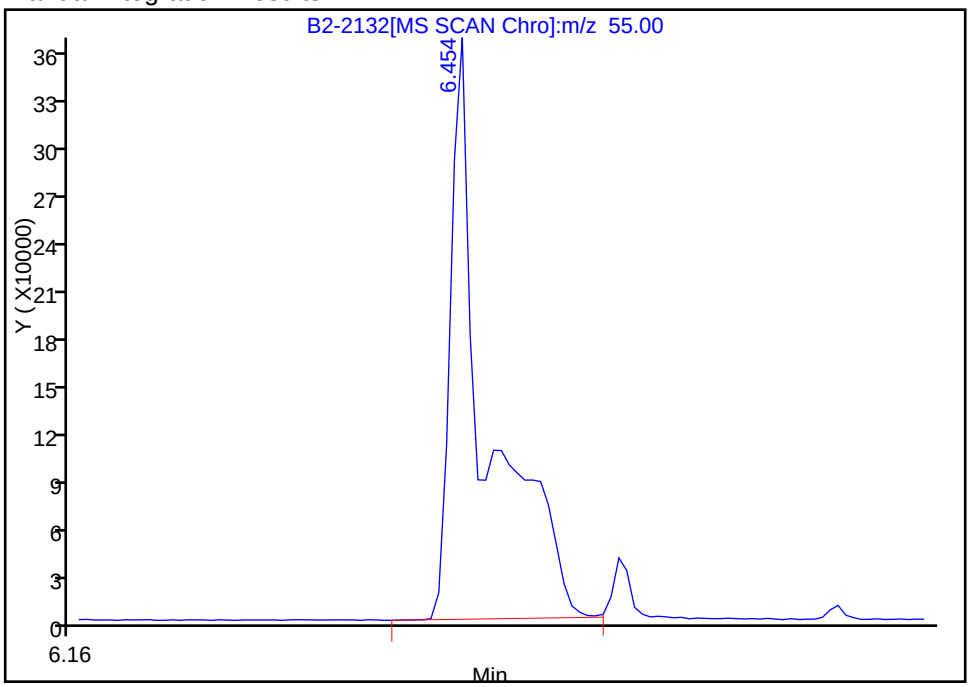
Processing Integration Results

RT: 6.45
Response: 399154
Amount: 86.926331



Manual Integration Results

RT: 6.45
Response: 683487
Amount: 122.0565



Reviewer: kiekeld, 20-Sep-2013 14:43:40
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

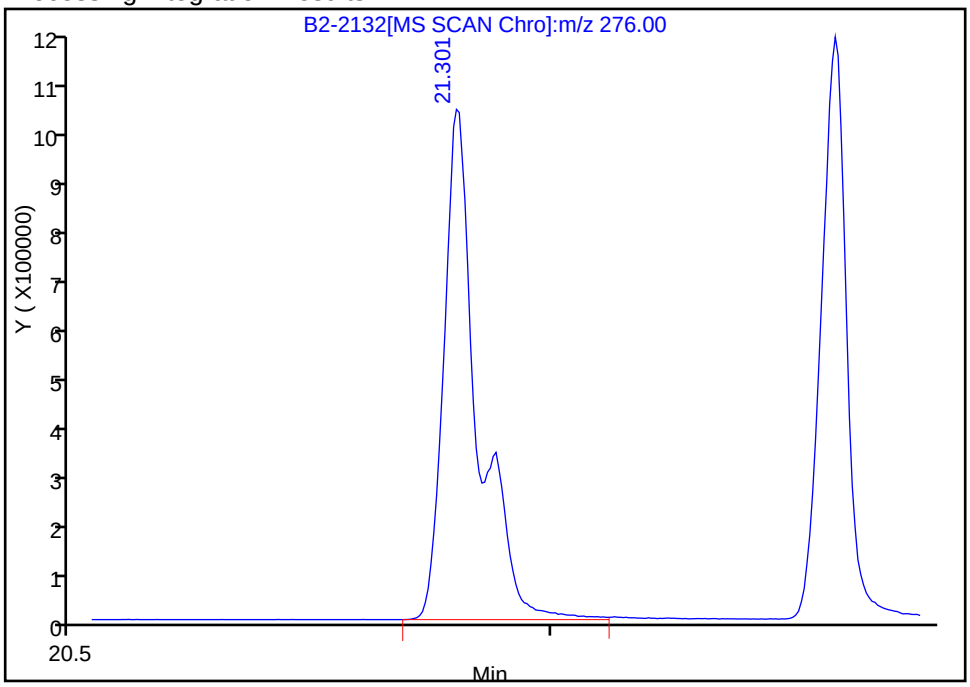
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2132.D		
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Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	8
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 21.31

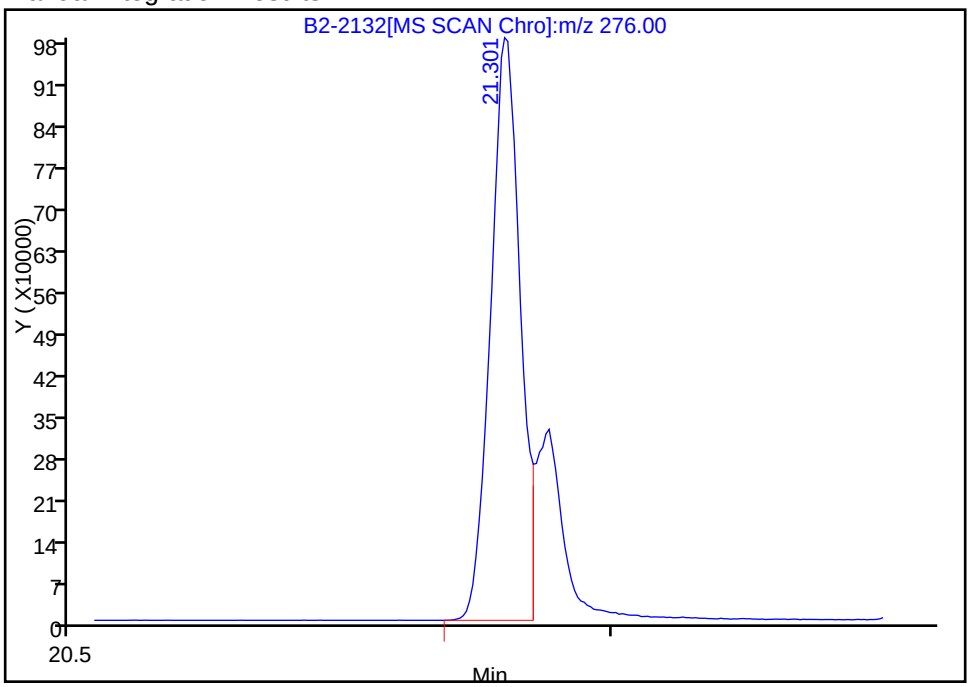
Processing Integration Results

RT: 21.30
Response: 4838570
Amount: 122.0510



Manual Integration Results

RT: 21.30
Response: 3734845
Amount: 125.9088



Reviewer: kiekeld, 20-Sep-2013 14:43:40
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2133.D
Lims ID: STD160 HSL
Client ID:
Inject. Date: 20-Sep-2013 11:21:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 7
Sample ID: STD160 HSL
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 8
Lims Batch ID: 192371
Lims Sample ID: 9
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:54
Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld
Date: 20-Sep-2013 14:46:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.792	4.797	-0.005	92	314447	40.0	
* 2 Naphthalene-d8	136	6.032	6.036	-0.004	100	1273108	40.0	
* 3 Acenaphthene-d10	164	7.800	7.805	-0.005	99	736757	40.0	
* 4 Phenanthrene-d10	188	9.316	9.321	-0.005	99	1209494	40.0	
* 5 Chrysene-d12	240	13.817	13.821	-0.004	93	1318245	40.0	
* 6 Perylene-d12	264	18.053	18.063	-0.010	97	1224209	40.0	
$ 7 2-Fluorophenol	112	3.617	3.616	0.001	98	1799777	164.3	
$ 8 Phenol-d5	99	4.428	4.432	-0.004	99	2237547	163.5	
$ 9 Nitrobenzene-d5	82	5.327	5.325	0.002	98	1928264	160.9	
$ 11 2-Fluorobiphenyl	172	7.089	7.094	-0.005	98	3726552	154.4	
$ 12 2,4,6-Tribromophenol	330	8.605	8.610	-0.005	95	574151	176.7	
$ 13 Terphenyl-d14	244	11.437	11.442	-0.005	99	4286017	162.9	
19 1,4-Dioxane	88	2.260	2.264	-0.004	97	764345	160.5	
20 N-Nitrosodimethylamine	74	2.507	2.505	0.001	98	1160700	163.4	
21 Pyridine	79	2.548	2.552	-0.004	99	2088930	162.9	
32 Phenol	94	4.445	4.444	0.001	92	2279583	160.6	
34 Aniline	93	4.492	4.491	0.001	99	2835063	161.0	
35 Alpha Methyl Styrene	118	4.516	4.520	-0.004	94	1805484	160.5	
36 Bis(2-chloroethyl)ether	93	4.522	4.520	0.002	92	1750521	157.6	
38 n-Decane	43	4.575	4.573	0.002	96	1603479	154.6	
39 2-Chlorophenol	128	4.604	4.609	-0.005	96	1847577	162.1	
40 1,3-Dichlorobenzene	146	4.745	4.744	0.001	98	1997590	160.0	
42 1,4-Dichlorobenzene	146	4.810	4.814	-0.004	98	2019038	158.3	
43 Benzyl alcohol	108	4.910	4.908	0.002	99	1176716	177.0	
44 1,2-Dichlorobenzene	146	4.957	4.961	-0.004	97	1932592	159.4	
45 2-Methylphenol	108	5.009	5.008	0.001	97	1663454	161.1	
46 2,2'-oxybis[1-chloropropane]	45	5.015	5.014	0.001	94	2120686	154.3	
47 Indene	116	5.039	5.043	-0.004	92	2978848	158.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.150	5.155	-0.005	71	1723718	159.1	
50 3-Methylphenol	108	5.150	5.155	-0.005	96	1723718	159.1	
51 4-Methylphenol	108	5.150	5.155	-0.005	95	1723718	159.1	
52 N-Nitrosodi-n-propylamine	70	5.145	5.149	-0.004	89	1230252	160.2	
54 Acetophenone	105	5.168	5.167	0.001	75	2465320	159.8	
58 Hexachloroethane	117	5.280	5.284	-0.004	96	754271	162.7	
59 Nitrobenzene	77	5.344	5.349	-0.005	98	1912094	159.0	
63 Isophorone	82	5.562	5.560	0.002	100	3330855	159.7	
64 2-Nitrophenol	139	5.650	5.654	-0.004	94	1004393	172.7	
65 2,4-Dimethylphenol	107	5.662	5.666	-0.004	98	1744147	159.3	
68 Benzoic acid	105	5.797	5.772	0.025	52	2700696	331.3	A
69 Bis(2-chloroethoxy)methane	93	5.744	5.748	-0.004	95	2054372	155.3	
71 3,5-Dimethylphenol	107	5.797	5.795	0.002	91	1834080	159.0	
74 2,4-Dichlorophenol	162	5.891	5.895	-0.004	97	1511994	164.7	
76 1,2,4-Trichlorobenzene	180	5.967	5.966	0.001	97	1625872	157.4	
79 Naphthalene	128	6.055	6.054	0.001	100	4961999	150.9	
80 4-Chloroaniline	127	6.102	6.101	0.001	100	2329515	157.4	
83 Hexachlorobutadiene	225	6.149	6.148	0.001	98	861659	160.2	
86 Caprolactam	55	6.461	6.448	0.013	95	951560	168.2	M
89 4-Chloro-3-methylphenol	107	6.572	6.577	-0.005	99	1551433	165.3	
93 2-Methylnaphthalene	142	6.737	6.736	0.001	100	3530656	155.4	
96 1-Methylnaphthalene	142	6.837	6.841	-0.004	99	3311142	154.4	
97 Hexachlorocyclopentadiene	237	6.878	6.882	-0.004	97	924824	167.7	
98 1,2,4,5-Tetrachlorobenzene	216	6.901	6.906	-0.005	97	1569538	159.7	
100 2,4,6-Trichlorophenol	196	7.019	7.023	-0.004	89	1030643	168.2	
101 2,3-Dichlorobenzenamine	161	7.031	7.029	0.002	88	1840589	155.4	
102 2,4,5-Trichlorophenol	196	7.072	7.076	-0.004	97	1119204	167.4	
104 1,1'-Biphenyl	154	7.201	7.200	0.001	96	4125548	152.8	
106 2-Chloronaphthalene	162	7.236	7.235	0.001	99	3304721	155.8	
108 2-Nitroaniline	65	7.348	7.347	0.001	97	1148231	167.6	
111 Dimethyl phthalate	163	7.489	7.488	0.001	99	3651122	158.0	
112 1,3-Dinitrobenzene	168	7.554	7.552	0.002	83	694930	173.6	
113 2,6-Dinitrotoluene	165	7.571	7.570	0.001	92	912757	168.1	
114 Acenaphthylene	152	7.659	7.664	-0.005	99	5205699	155.6	
115 3-Nitroaniline	138	7.765	7.764	0.001	97	1087261	166.3	
117 Acenaphthene	153	7.836	7.834	0.002	99	3389870	154.7	
118 2,4-Dinitrophenol	184	7.865	7.864	0.001	95	996409	326.6	
119 4-Nitrophenol	109	7.941	7.946	-0.005	96	1078636	358.6	
122 2,4-Dinitrotoluene	165	7.982	7.987	-0.005	93	1207483	170.5	
123 Dibenzofuran	168	8.006	8.010	-0.004	99	4532826	152.8	
125 2,3,4,6-Tetrachlorophenol	232	8.129	8.134	-0.005	74	910837	183.0	
127 Hexadecane	57	8.147	8.151	-0.004	96	2450075	154.7	
130 Diethyl phthalate	149	8.188	8.187	0.001	100	3591217	155.3	
134 4-Chlorophenyl phenyl ether	204	8.329	8.334	-0.005	98	1769248	160.7	
135 Fluorene	166	8.358	8.357	0.001	99	3835835	155.4	
138 4-Nitroaniline	138	8.400	8.392	0.008	90	1064585	166.3	
139 4,6-Dinitro-2-methylphenol	198	8.405	8.398	0.007	86	1366083	340.1	
141 N-Nitrosodiphenylamine	169	8.458	8.457	0.001	97	2805224	156.2	
143 1,2-Diphenylhydrazine	77	8.494	8.498	-0.004	98	3837234	157.1	
144 Azobenzene	77	8.494	8.498	-0.004	98	3837234	155.4	
147 2,4,6 - Tribromophenol	330	8.605	8.610	-0.005	95	582373	177.8	
156 4-Bromophenyl phenyl ether	248	8.829	8.833	-0.005	98	1076702	164.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.917	8.915	0.002	97	1250030	160.5	
159 Atrazine	200	8.970	8.974	-0.004	95	869871	162.1	
161 n-Octadecane	85	9.075	9.080	-0.005	96	919711	159.1	
163 Pentachlorophenol	266	9.122	9.121	0.001	98	1417852	335.4	
168 Phenanthrene	178	9.340	9.344	-0.004	98	5317484	152.6	
169 Anthracene	178	9.393	9.397	-0.004	99	5475706	156.2	
170 Carbazole	167	9.569	9.567	0.002	99	5255172	155.3	
171 Alachlor	188	9.657	9.656	0.001	99	701446	170.6	
173 Di-n-butyl phthalate	149	9.868	9.873	-0.005	100	6008917	163.0	
179 Fluoranthene	202	10.844	10.848	-0.004	99	5888297	162.0	
181 Benzidine	184	11.049	11.054	-0.005	65	3197136	163.1	
182 Pyrene	202	11.226	11.230	-0.004	99	6116529	160.3	
188 Famphur	218	12.289	12.294	-0.005	98	1754766	170.1	
190 Butyl benzyl phthalate	149	12.389	12.399	-0.010	99	2812534	176.4	
195 Bis(2-ethylhexyl) phthalate	149	13.782	13.792	-0.010	98	3669760	181.1	
197 3,3'-Dichlorobenzidine	252	13.758	13.763	-0.005	98	2222711	172.0	
198 Benzo[a]anthracene	228	13.787	13.792	-0.005	98	5761397	162.5	
199 Chrysene	228	13.887	13.892	-0.005	99	5492743	163.0	
201 Di-n-octyl phthalate	149	15.709	15.719	-0.010	99	6064113	167.3	
203 Benzo[b]fluoranthene	252	16.878	16.882	-0.004	95	5745489	174.3	
204 Benzo[k]fluoranthene	252	16.966	16.965	0.001	98	6040854	166.6	
206 Benzo[e]pyrene	252	17.730	17.728	0.002	98	5039207	170.6	
207 Benzo[a]pyrene	252	17.883	17.887	-0.004	96	5775959	174.4	
213 Dibenz(a,h)anthracene	278	21.390	21.389	0.001	72	5434587	178.2	
214 Indeno[1,2,3-cd]pyrene	276	21.308	21.313	-0.005	73	5352692	183.0	M
215 Benzo[g,h,i]perylene	276	22.101	22.094	0.007	96	5656987	172.7	
S 217 Total Cresols	108				0		320.2	
S 218 Methyl Phenols,Total	108				0		320.2	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

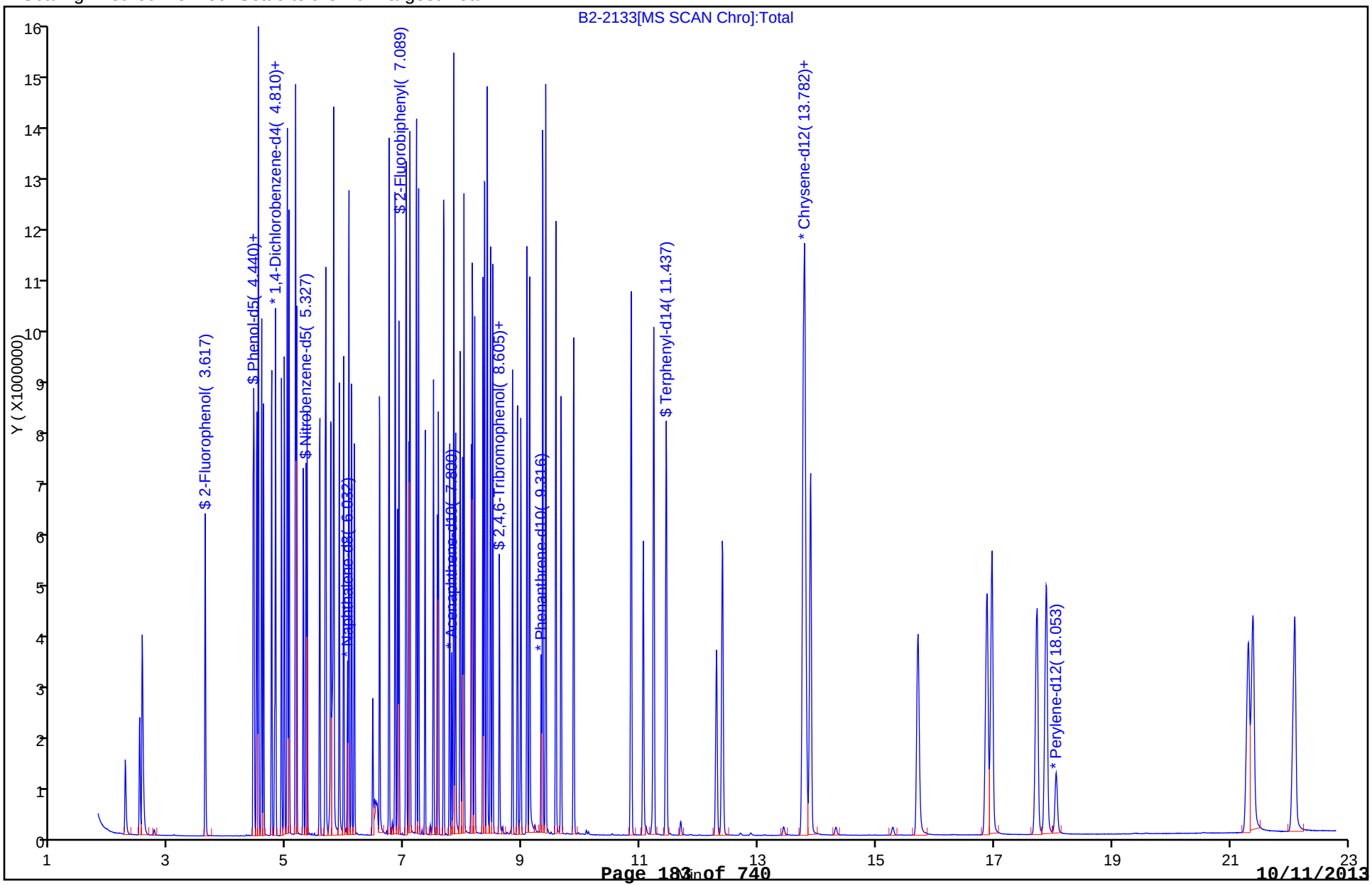
Report Date: 20-Sep-2013 14:55:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2133.D

Injection Date:	20-Sep-2013 11:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	9
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

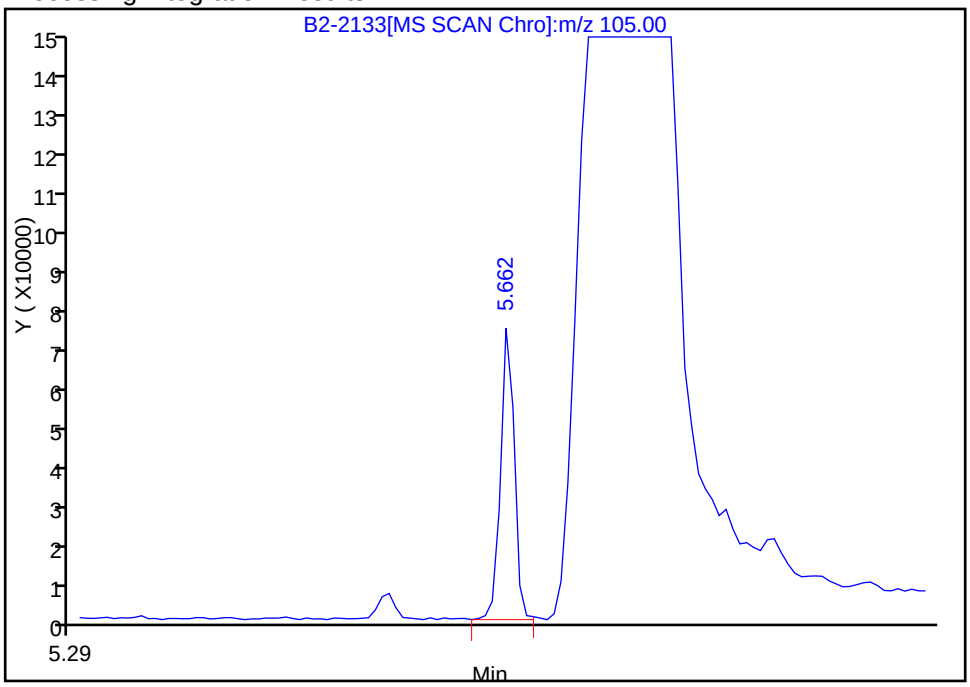
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2133.D		
Injection Date:	20-Sep-2013 11:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	9
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

68 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 5.77

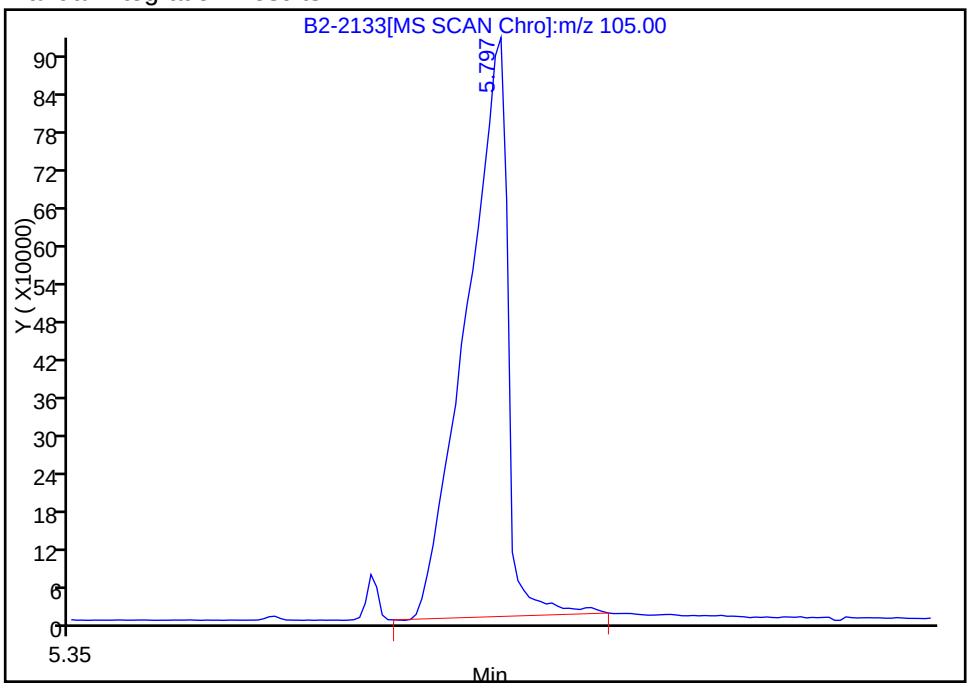
Processing Integration Results

RT: 5.66
Response: 59268
Amount: 12.475439



Manual Integration Results

RT: 5.80
Response: 2700696
Amount: 331.3176



Reviewer: kiekeld, 20-Sep-2013 14:46:41
Audit Action: Assigned Compound ID
Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

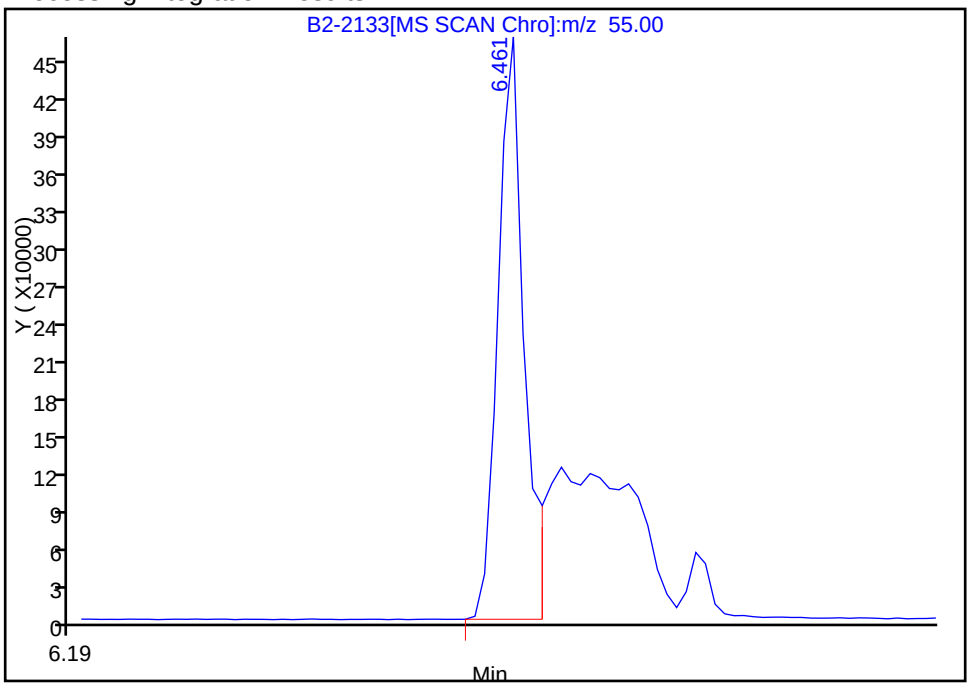
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2133.D		
Injection Date:	20-Sep-2013 11:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	9
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

86 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 6.45

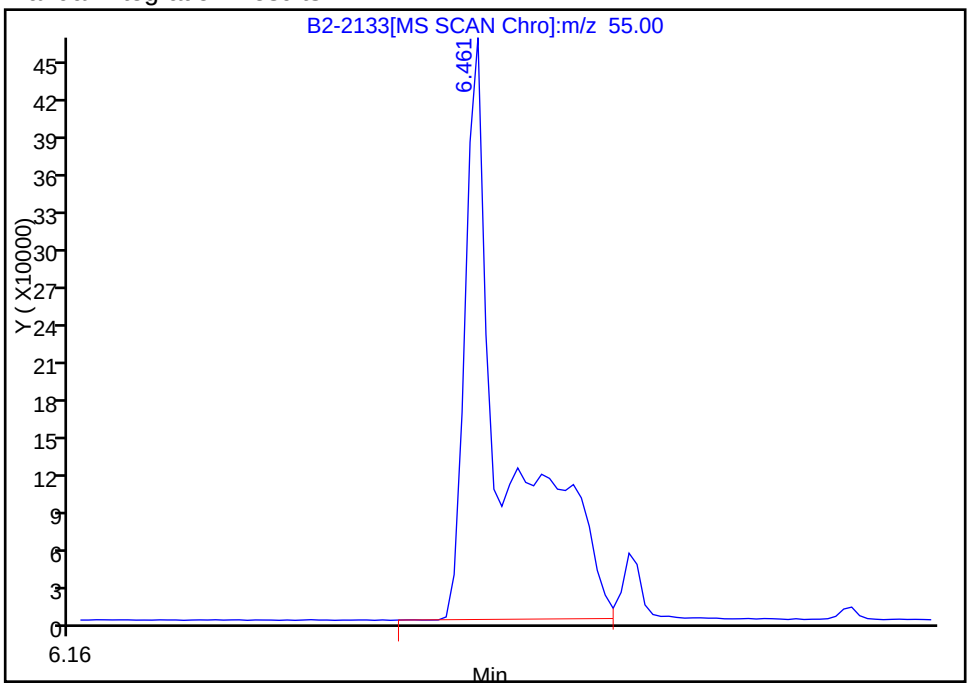
Processing Integration Results

RT: 6.46
Response: 521097
Amount: 105.5422



Manual Integration Results

RT: 6.46
Response: 951560
Amount: 168.2324



Reviewer: kiekeld, 20-Sep-2013 14:46:41
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

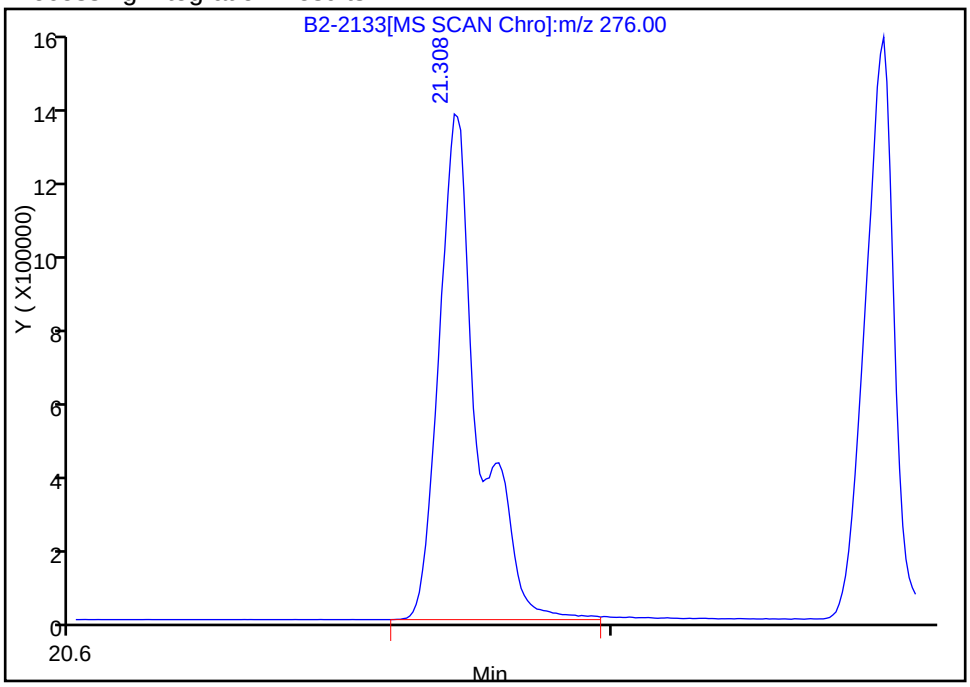
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2133.D		
Injection Date:	20-Sep-2013 11:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	9
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 21.31

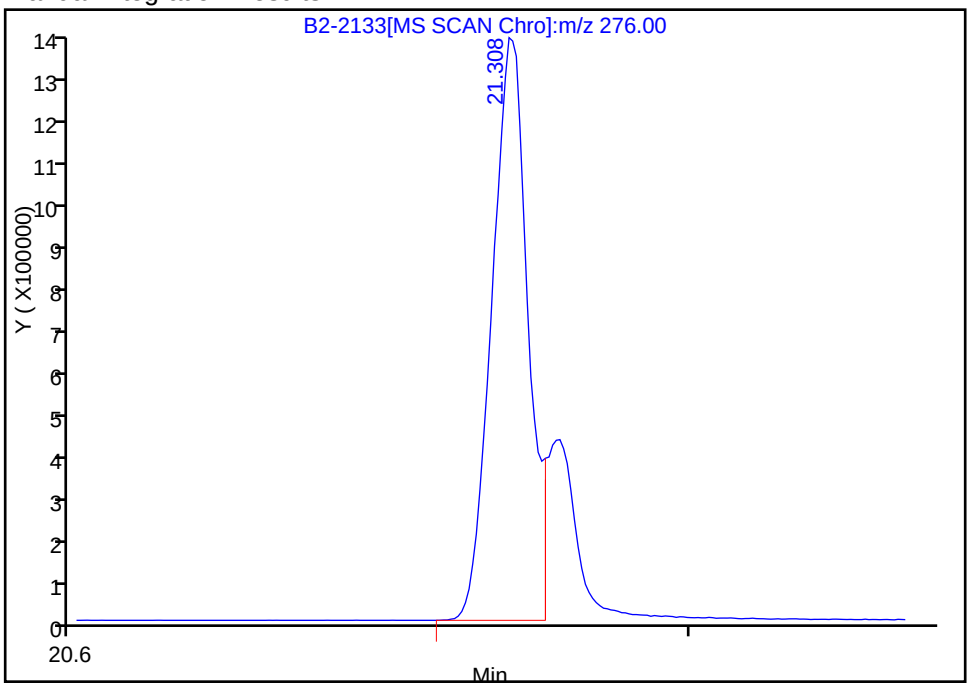
Processing Integration Results

RT: 21.31
Response: 6646637
Amount: 171.4609



Manual Integration Results

RT: 21.31
Response: 5352692
Amount: 182.9976



Reviewer: kiekeld, 20-Sep-2013 14:46:41
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Lims ID: STD200 HSL Client ID:
Inject. Date: 20-Sep-2013 11:52:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 9
Lims Batch ID: 192371 Lims Sample ID: 10
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 14:55:55 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK019

First Level Reviewer: kiekeld Date: 20-Sep-2013 14:48:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.793	4.797	-0.004	92	326547	40.0	
* 2 Naphthalene-d8	136	6.033	6.036	-0.003	100	1283362	40.0	
* 3 Acenaphthene-d10	164	7.801	7.805	-0.004	99	751634	40.0	
* 4 Phenanthrene-d10	188	9.317	9.321	-0.004	99	1234670	40.0	
* 5 Chrysene-d12	240	13.818	13.821	-0.003	96	1349634	40.0	
* 6 Perylene-d12	264	18.054	18.063	-0.009	97	1243880	40.0	
$ 7 2-Fluorophenol	112	3.618	3.616	0.002	98	2212112	194.5	
$ 8 Phenol-d5	99	4.429	4.432	-0.003	99	2747978	193.4	
$ 9 Nitrobenzene-d5	82	5.328	5.325	0.003	98	2392956	198.1	
$ 11 2-Fluorobiphenyl	172	7.090	7.094	-0.004	98	4546580	184.7	
$ 12 2,4,6-Tribromophenol	330	8.612	8.610	0.002	98	715262	215.8	
$ 13 Terphenyl-d14	244	11.438	11.442	-0.004	99	5319338	197.5	
19 1,4-Dioxane	88	2.261	2.264	-0.003	96	940267	190.2	
20 N-Nitrosodimethylamine	74	2.507	2.505	0.002	99	1435563	194.6	
21 Pyridine	79	2.548	2.552	-0.004	99	2601980	195.4	
32 Phenol	94	4.446	4.444	0.002	92	2806745	190.4	
34 Aniline	93	4.493	4.491	0.002	99	3457467	189.0	
35 Alpha Methyl Styrene	118	4.517	4.520	-0.003	97	2199780	188.3	
36 Bis(2-chloroethyl)ether	93	4.523	4.520	0.003	90	2180667	189.1	
38 n-Decane	43	4.576	4.573	0.003	95	1963371	182.2	
39 2-Chlorophenol	128	4.605	4.609	-0.004	96	2281565	192.8	
40 1,3-Dichlorobenzene	146	4.746	4.744	0.002	98	2439824	188.2	
42 1,4-Dichlorobenzene	146	4.811	4.814	-0.003	98	2471012	186.6	
43 Benzyl alcohol	108	4.910	4.908	0.002	99	1453577	210.6	
44 1,2-Dichlorobenzene	146	4.957	4.961	-0.004	97	2379250	188.9	
45 2-Methylphenol	108	5.010	5.008	0.002	97	2052933	191.5	
46 2,2'-oxybis[1-chloropropane]	45	5.016	5.014	0.002	93	2616710	183.4	
47 Indene	116	5.040	5.043	-0.003	92	3664418	187.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.151	5.155	-0.004	70	2125981	189.0	
50 3-Methylphenol	108	5.151	5.155	-0.004	96	2125981	189.0	
51 4-Methylphenol	108	5.151	5.155	-0.004	97	2125981	189.0	
52 N-Nitrosodi-n-propylamine	70	5.151	5.149	0.002	86	1511532	189.5	
54 Acetophenone	105	5.169	5.167	0.002	75	3061458	191.0	
58 Hexachloroethane	117	5.281	5.284	-0.003	96	932969	193.8	
59 Nitrobenzene	77	5.345	5.349	-0.004	98	2347530	193.7	
63 Isophorone	82	5.563	5.560	0.003	100	4070119	193.5	
64 2-Nitrophenol	139	5.651	5.654	-0.003	95	1265026	215.7	
65 2,4-Dimethylphenol	107	5.668	5.666	0.002	100	2135102	193.4	
68 Benzoic acid	105	5.809	5.772	0.037	91	3370299	408.6	
69 Bis(2-chloroethoxy)methane	93	5.751	5.748	0.003	95	2515394	188.6	
71 3,5-Dimethylphenol	107	5.798	5.795	0.003	93	2245816	193.1	
74 2,4-Dichlorophenol	162	5.892	5.895	-0.003	97	1873404	202.4	
76 1,2,4-Trichlorobenzene	180	5.968	5.966	0.002	96	1992404	191.4	
79 Naphthalene	128	6.056	6.054	0.002	99	5964074	180.0	
80 4-Chloroaniline	127	6.103	6.101	0.002	100	2867864	192.3	
83 Hexachlorobutadiene	225	6.150	6.148	0.002	98	1071111	197.6	
86 Caprolactam	55	6.467	6.448	0.019	96	1248018	218.9	M
89 4-Chloro-3-methylphenol	107	6.579	6.577	0.002	99	1919263	202.8	
93 2-Methylnaphthalene	142	6.738	6.736	0.002	99	4299531	187.8	
96 1-Methylnaphthalene	142	6.838	6.841	-0.003	99	4057961	187.8	
97 Hexachlorocyclopentadiene	237	6.879	6.882	-0.003	96	1179356	208.7	
98 1,2,4,5-Tetrachlorobenzene	216	6.902	6.906	-0.004	97	1959204	197.8	
100 2,4,6-Trichlorophenol	196	7.026	7.023	0.003	93	1294874	207.1	
101 2,3-Dichlorobenzenamine	161	7.031	7.029	0.002	91	2303700	190.6	
102 2,4,5-Trichlorophenol	196	7.073	7.076	-0.003	97	1418264	208.0	
104 1,1'-Biphenyl	154	7.202	7.200	0.002	97	5021239	182.3	
106 2-Chloronaphthalene	162	7.237	7.235	0.002	98	4031174	186.3	
108 2-Nitroaniline	65	7.349	7.347	0.002	97	1436687	205.6	
111 Dimethyl phthalate	163	7.490	7.488	0.002	99	4477861	190.0	
112 1,3-Dinitrobenzene	168	7.560	7.552	0.008	85	857436	209.5	
113 2,6-Dinitrotoluene	165	7.578	7.570	0.008	98	1125760	203.3	
114 Acenaphthylene	152	7.666	7.664	0.002	98	6284511	184.1	
115 3-Nitroaniline	138	7.766	7.764	0.002	97	1358747	203.7	
117 Acenaphthene	153	7.836	7.834	0.002	99	4163366	186.3	
118 2,4-Dinitrophenol	184	7.866	7.864	0.002	93	1300053	411.7	
119 4-Nitrophenol	109	7.942	7.946	-0.004	97	1360809	443.5	
122 2,4-Dinitrotoluene	165	7.989	7.987	0.002	97	1491785	206.5	
123 Dibenzofuran	168	8.007	8.010	-0.003	99	5512422	182.2	
125 2,3,4,6-Tetrachlorophenol	232	8.130	8.134	-0.004	74	1114485	219.5	
127 Hexadecane	57	8.148	8.151	-0.003	96	2957602	183.0	
130 Diethyl phthalate	149	8.189	8.187	0.002	99	4362775	184.9	
134 4-Chlorophenyl phenyl ether	204	8.330	8.334	-0.004	98	2161485	192.4	
135 Fluorene	166	8.359	8.357	0.002	100	4718459	187.4	
138 4-Nitroaniline	138	8.406	8.392	0.014	84	1293773	198.1	
139 4,6-Dinitro-2-methylphenol	198	8.406	8.398	0.008	73	1689133	410.4	
141 N-Nitrosodiphenylamine	169	8.459	8.457	0.002	97	3500773	191.0	
143 1,2-Diphenylhydrazine	77	8.494	8.498	-0.004	98	4682604	187.9	
144 Azobenzene	77	8.494	8.498	-0.004	98	4682604	185.9	
147 2,4,6 - Tribromophenol	330	8.612	8.610	0.002	98	734806	219.9	
156 4-Bromophenyl phenyl ether	248	8.829	8.833	-0.004	98	1340238	200.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.917	8.915	0.002	98	1556362	195.7	
159 Atrazine	200	8.976	8.974	0.002	97	1051618	191.9	
161 n-Octadecane	85	9.076	9.080	-0.004	96	1134578	192.3	
163 Pentachlorophenol	266	9.123	9.121	0.002	97	1833013	422.1	
168 Phenanthrene	178	9.346	9.344	0.002	99	6411267	180.3	
169 Anthracene	178	9.399	9.397	0.002	99	6598272	184.4	
170 Carbazole	167	9.570	9.567	0.003	99	6359666	184.1	
171 Alachlor	188	9.658	9.656	0.002	99	867264	206.7	
173 Di-n-butyl phthalate	149	9.869	9.873	-0.004	100	7290671	193.8	
179 Fluoranthene	202	10.845	10.848	-0.003	99	7212255	194.4	
181 Benzidine	184	11.050	11.054	-0.004	70	3862981	192.2	
182 Pyrene	202	11.227	11.230	-0.003	95	7495331	191.9	
188 Famphur	218	12.296	12.294	0.002	98	2079047	196.8	
190 Butyl benzyl phthalate	149	12.396	12.399	-0.003	99	3484505	213.5	
195 Bis(2-ethylhexyl) phthalate	149	13.782	13.792	-0.010	98	4536198	218.6	
197 3,3'-Dichlorobenzidine	252	13.759	13.763	-0.004	98	2775281	209.4	
198 Benzo[a]anthracene	228	13.794	13.792	0.002	98	7196173	198.2	
199 Chrysene	228	13.894	13.892	0.002	99	6751731	195.6	
201 Di-n-octyl phthalate	149	15.710	15.719	-0.009	100	7662794	205.3	
203 Benzo[b]fluoranthene	252	16.885	16.882	0.003	95	7155597	213.6	
204 Benzo[k]fluoranthene	252	16.973	16.965	0.008	98	7483451	203.1	
206 Benzo[e]pyrene	252	17.737	17.728	0.009	97	6225290	207.4	
207 Benzo[a]pyrene	252	17.895	17.887	0.008	97	7293323	216.7	
213 Dibenz(a,h)anthracene	278	21.403	21.389	0.014	75	6843833	220.9	
214 Indeno[1,2,3-cd]pyrene	276	21.321	21.313	0.008	67	6604501	220.5	M
215 Benzo[g,h,i]perylene	276	22.108	22.094	0.014	96	7020397	211.0	
S 217 Total Cresols	108				0		380.4	
S 218 Methyl Phenols,Total	108				0		380.4	

QC Flag Legend

Review Flags
M - Manually Integrated

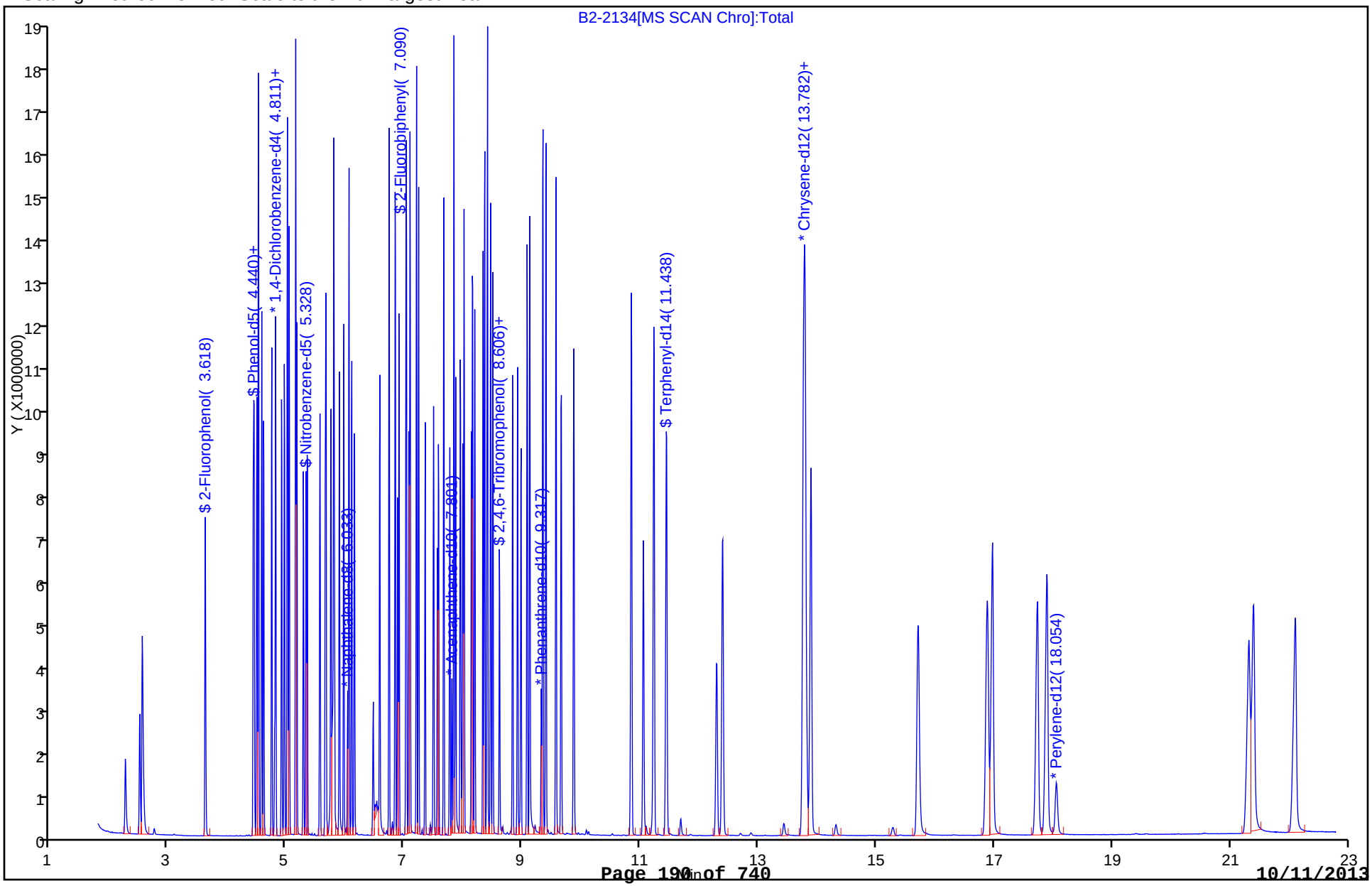
Report Date: 20-Sep-2013 14:55:55 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D

Injection Date:	20-Sep-2013 11:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	10
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

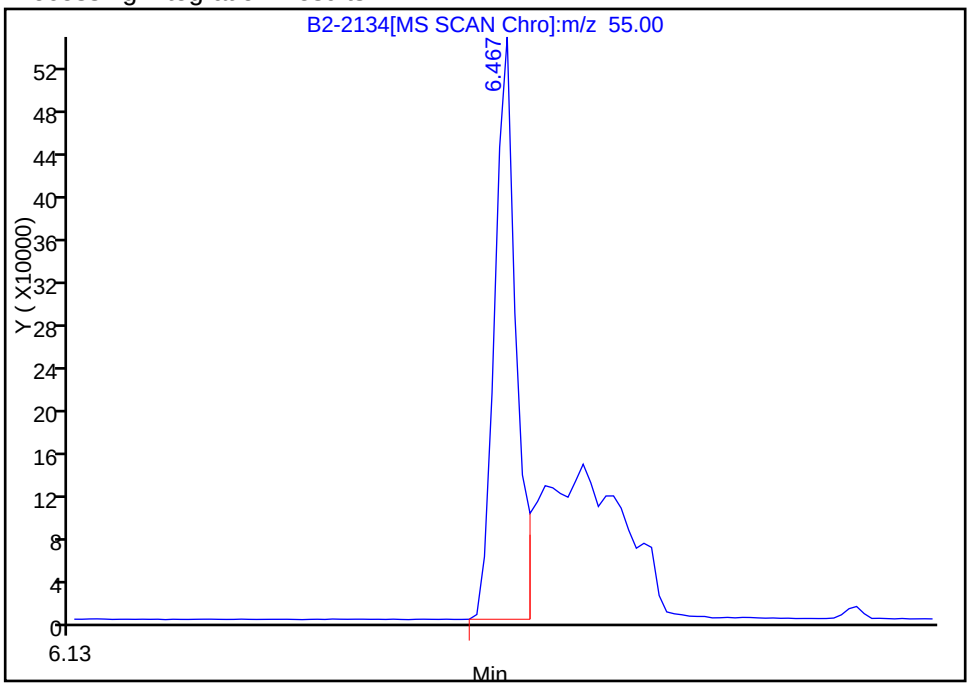
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D		
Injection Date:	20-Sep-2013 11:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	10
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

86 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 6.45

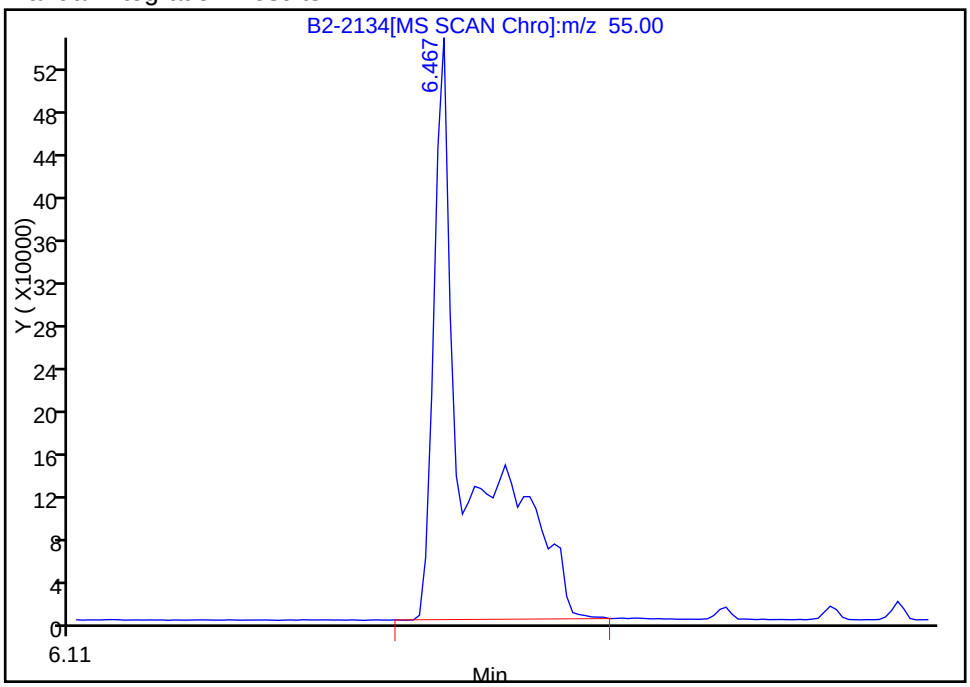
Processing Integration Results

RT: 6.47
Response: 630942
Amount: 118.6850



Manual Integration Results

RT: 6.47
Response: 1248018
Amount: 218.8822



Reviewer: kiekeld, 20-Sep-2013 14:48:17
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

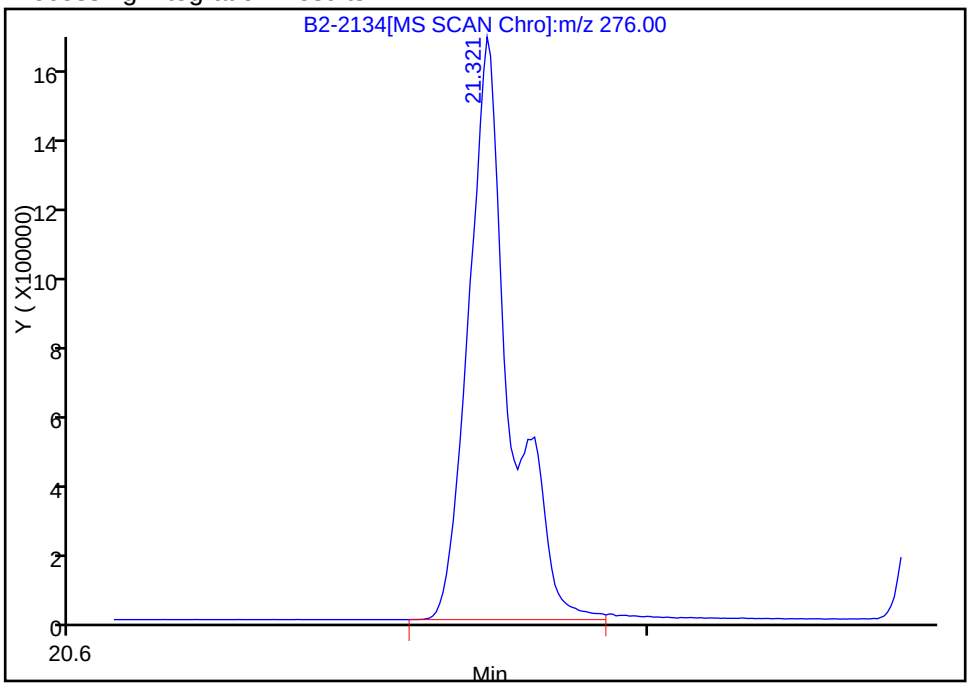
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D		
Injection Date:	20-Sep-2013 11:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	10
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 21.31

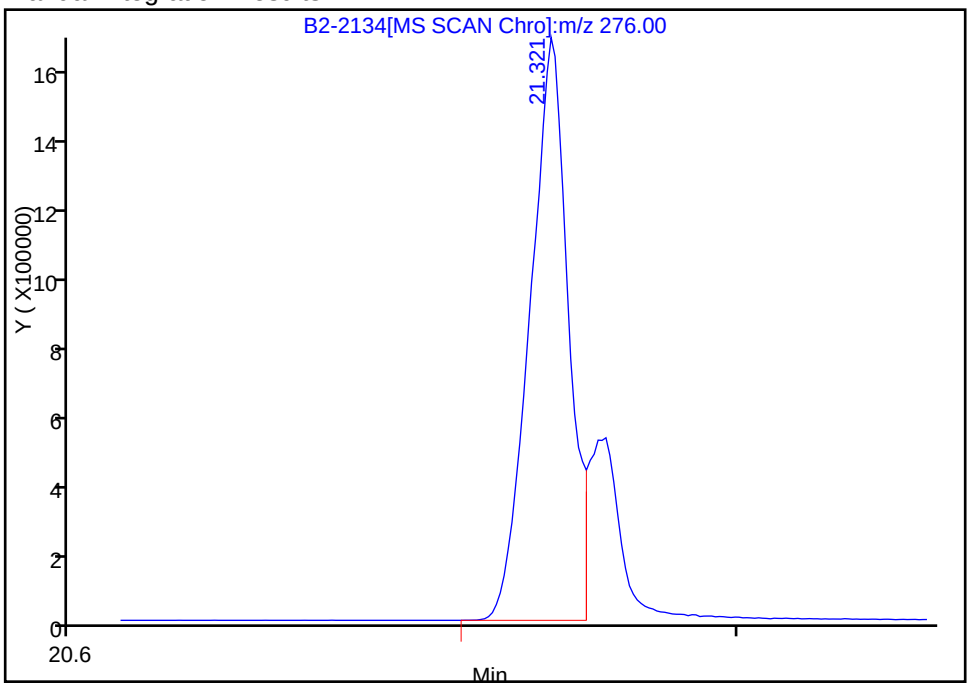
Processing Integration Results

RT: 21.32
Response: 8196840
Amount: 203.3747



Manual Integration Results

RT: 21.32
Response: 6604501
Amount: 220.5430



Reviewer: kiekeld, 20-Sep-2013 14:48:17
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab Sample ID: ICV 280-192371/11 Calibration Date: 09/20/2013 12:22

Instrument ID: SMS_B2 Calib Start Date: 09/20/2013 08:21

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/20/2013 11:52

Lab File ID: B2-2135.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	1.631	1.631		100	100	0.0	20.0
Phenol	Ave	1.805	1.755		97.2	100	-2.8	35.0
2-Chlorophenol	Ave	1.450	1.409		97.2	100	-2.8	35.0
1,4-Dichlorobenzene	Ave	1.622	1.542		95.0	100	-5.0	20.0
2-Methylphenol	Ave	1.313	1.286		97.9	100	-2.1	20.0
3 & 4 Methylphenol	Ave	1.378	1.349		97.9	100	-2.1	20.0
3-Methylphenol	Ave	1.378	1.349		97.9	100	-2.1	35.0
4-Methylphenol	Ave	1.378	1.349		97.9	100	-2.1	35.0
Hexachloroethane	Ave	0.5897	0.5822		98.7	100	-1.3	20.0
Nitrobenzene	Ave	0.3778	0.3725		98.6	100	-1.4	20.0
Benzoic acid	Lin1		0.2721		215	200	7.4	35.0
1,2,4-Trichlorobenzene	Ave	0.3245	0.3171		97.7	100	-2.3	35.0
Naphthalene	Ave	1.033	0.9874		95.6	100	-4.4	35.0
Hexachlorobutadiene	Ave	0.1690	0.1652		97.8	100	-2.2	20.0
2,4,6-Trichlorophenol	Ave	0.3328	0.3436		103	100	3.2	20.0
2,4,5-Trichlorophenol	Ave	0.3630	0.3692		102	100	1.7	20.0
Acenaphthene	Ave	1.189	1.157		97.3	100	-2.7	35.0
2,4-Dinitrotoluene	Ave	0.3844	0.3985		104	100	3.7	20.0
Dibenzofuran	Ave	1.610	1.525		94.7	100	-5.3	35.0
Hexachlorobenzene	Ave	0.2576	0.2465		95.7	100	-4.3	20.0
Pentachlorophenol	Lin2		0.1388		203	200	1.3	20.0
Anthracene	Ave	1.160	1.125		97.1	100	-2.9	35.0
Fluoranthene	Ave	1.202	1.173		97.6	100	-2.4	35.0
Pyrene	Ave	1.158	1.129		97.6	100	-2.4	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2135.D
Lims ID: ICV HSL 1 Client ID:
Inject. Date: 20-Sep-2013 12:22:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HSL 1
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 10
Lims Batch ID: 192371 Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Sep-2013 08:16:47 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK047

First Level Reviewer: kellisonm Date: 23-Sep-2013 08:22:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.796	4.797	-0.001	99	354563	40.0	
* 2 Naphthalene-d8	136	6.029	6.036	-0.007	99	1404215	40.0	
* 3 Acenaphthene-d10	164	7.798	7.805	-0.007	99	817714	40.0	
* 4 Phenanthrene-d10	188	9.314	9.321	-0.007	99	1348153	40.0	
* 5 Chrysene-d12	240	13.809	13.821	-0.013	94	1465343	40.0	
* 6 Perylene-d12	264	18.051	18.063	-0.012	98	1374159	40.0	
19 1,4-Dioxane	88	2.263	2.264	-0.001	97	513747	95.7	
20 N-Nitrosodimethylamine	74	2.504	2.505	-0.001	98	769626	96.1	
21 Pyridine	79	2.545	2.552	-0.007	99	1446091	100.0	
32 Phenol	94	4.443	4.444	-0.001	67	1555578	97.2	
34 Aniline	93	4.490	4.491	-0.001	99	1854298	93.4	
35 Alpha Methyl Styrene	118	4.514	4.520	-0.006	94	1233251	97.2	
36 Bis(2-chloroethyl)ether	93	4.519	4.520	-0.001	86	1207487	96.4	
38 n-Decane	43	4.572	4.573	-0.001	95	1077881	92.1	
39 2-Chlorophenol	128	4.608	4.609	-0.001	98	1248968	97.2	
40 1,3-Dichlorobenzene	146	4.743	4.744	-0.001	98	1330184	94.5	
42 1,4-Dichlorobenzene	146	4.807	4.814	-0.007	97	1366456	95.0	
43 Benzyl alcohol	108	4.907	4.908	-0.001	99	800359	106.8	
44 1,2-Dichlorobenzene	146	4.960	4.961	-0.001	99	1297298	94.9	
45 2-Methylphenol	108	5.007	5.008	-0.001	90	1139777	97.9	
46 2,2'-oxybis[1-chloropropane]	45	5.013	5.014	-0.001	91	1262881	81.5	M
47 Indene	116	5.036	5.043	-0.007	92	2097837	98.7	
49 3 & 4 Methylphenol	108	5.148	5.155	-0.007	71	1196124	97.9	
50 3-Methylphenol	108	5.148	5.155	-0.007	96	1196124	97.9	
51 4-Methylphenol	108	5.148	5.155	-0.007	94	1196124	97.9	
52 N-Nitrosodi-n-propylamine	70	5.142	5.149	-0.007	92	850949	98.3	
54 Acetophenone	105	5.166	5.167	-0.001	75	1672219	96.1	
58 Hexachloroethane	117	5.283	5.284	-0.001	98	516062	98.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
59 Nitrobenzene	77	5.342	5.349	-0.007	99	1307801	98.6	
63 Isophorone	82	5.559	5.560	-0.001	100	2369430	103.0	
64 2-Nitrophenol	139	5.653	5.654	-0.001	94	672805	104.9	
65 2,4-Dimethylphenol	107	5.665	5.666	-0.001	99	1040141	86.1	
68 Benzoic acid	105	5.783	5.772	0.011	93	1910601	214.8	
69 Bis(2-chloroethoxy)methane	93	5.747	5.748	-0.001	98	1354076	92.8	
71 3,5-Dimethylphenol	107	5.794	5.795	-0.001	97	1237196	97.2	
74 2,4-Dichlorophenol	162	5.888	5.895	-0.007	97	1015527	100.3	
76 1,2,4-Trichlorobenzene	180	5.965	5.966	-0.001	98	1113249	97.7	
79 Naphthalene	128	6.053	6.054	-0.001	100	3466389	95.6	
80 4-Chloroaniline	127	6.100	6.101	-0.001	100	1521895	93.2	
83 Hexachlorobutadiene	225	6.147	6.148	-0.001	97	579778	97.8	
89 4-Chloro-3-methylphenol	107	6.570	6.577	-0.007	99	1026891	99.2	
93 2-Methylnaphthalene	142	6.734	6.736	-0.002	100	2348133	93.7	
96 1-Methylnaphthalene	142	6.840	6.841	-0.001	100	2219814	93.9	
97 Hexachlorocyclopentadiene	237	6.881	6.882	-0.001	97	625011	103.5	
98 1,2,4,5-Tetrachlorobenzene	216	6.905	6.906	-0.001	95	1057494	97.6	
100 2,4,6-Trichlorophenol	196	7.016	7.023	-0.007	85	702312	103.2	
101 2,3-Dichlorobenzenamine	161	7.028	7.029	-0.001	91	1245455	94.7	
102 2,4,5-Trichlorophenol	196	7.069	7.076	-0.007	97	754653	101.7	
104 1,1'-Biphenyl	154	7.199	7.200	-0.001	96	2836869	94.6	
106 2-Chloronaphthalene	162	7.234	7.235	-0.001	99	2246645	95.5	
108 2-Nitroaniline	65	7.346	7.347	-0.001	97	792958	104.3	
111 Dimethyl phthalate	163	7.487	7.488	-0.002	99	2444956	95.3	
112 1,3-Dinitrobenzene	168	7.551	7.552	-0.001	82	440385	99.9	
113 2,6-Dinitrotoluene	165	7.569	7.570	-0.001	92	619277	102.8	
114 Acenaphthylene	152	7.663	7.664	-0.001	99	3597074	96.9	
115 3-Nitroaniline	138	7.763	7.764	-0.001	98	693789	95.6	
117 Acenaphthene	153	7.833	7.834	-0.001	99	2366140	97.3	
118 2,4-Dinitrophenol	184	7.863	7.864	-0.001	94	618732	192.2	
119 4-Nitrophenol	109	7.939	7.946	-0.007	96	730852	218.9	
122 2,4-Dinitrotoluene	165	7.980	7.987	-0.007	92	814609	103.7	
123 Dibenzofuran	168	8.004	8.010	-0.006	99	3117669	94.7	
125 2,3,4,6-Tetrachlorophenol	232	8.133	8.134	-0.001	72	599342	108.5	
127 Hexadecane	57	8.150	8.151	-0.001	96	1671874	95.1	
130 Diethyl phthalate	149	8.186	8.187	-0.001	99	2443102	95.2	
134 4-Chlorophenyl phenyl ether	204	8.327	8.334	-0.007	97	1188002	97.2	
135 Fluorene	166	8.356	8.357	-0.001	100	2655900	97.0	
138 4-Nitroaniline	138	8.391	8.392	-0.001	93	679107	95.6	
139 4,6-Dinitro-2-methylphenol	198	8.397	8.398	-0.001	75	915676	207.3	
141 N-Nitrosodiphenylamine	169	8.456	8.457	-0.001	97	1919108	95.9	
143 1,2-Diphenylhydrazine	77	8.491	8.498	-0.007	98	2648473	97.7	
144 Azobenzene	77	8.491	8.498	-0.007	98	2648473	96.6	
156 4-Bromophenyl phenyl ether	248	8.832	8.833	-0.001	99	719404	98.4	
157 Hexachlorobenzene	284	8.914	8.915	-0.001	97	830762	95.7	
161 n-Octadecane	85	9.079	9.080	-0.001	96	637689	99.0	
163 Pentachlorophenol	266	9.120	9.121	-0.001	98	935309	202.5	
168 Phenanthrene	178	9.343	9.344	-0.001	99	3659855	94.3	
169 Anthracene	178	9.396	9.397	-0.001	100	3793144	97.1	
170 Carbazole	167	9.566	9.567	-0.001	99	3443888	91.3	
171 Alachlor	188	9.655	9.656	-0.001	98	469778	102.5	
173 Di-n-butyl phthalate	149	9.866	9.873	-0.007	100	4122648	100.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
179 Fluoranthene	202	10.841	10.848	-0.007	100	3954228	97.6	
182 Pyrene	202	11.223	11.230	-0.007	96	4136762	97.6	
190 Butyl benzyl phthalate	149	12.387	12.399	-0.012	99	1857122	104.8	
195 Bis(2-ethylhexyl) phthalate	149	13.779	13.792	-0.013	83	2416247	107.3	
198 Benzo[a]anthracene	228	13.779	13.792	-0.013	98	3877491	98.4	
199 Chrysene	228	13.879	13.892	-0.013	99	3837317	102.4	
201 Di-n-octyl phthalate	149	15.706	15.719	-0.013	99	4037497	102.4	
203 Benzo[b]fluoranthene	252	16.870	16.882	-0.012	95	3756566	101.5	
204 Benzo[k]fluoranthene	252	16.958	16.965	-0.007	96	4038352	99.2	
206 Benzo[e]pyrene	252	17.722	17.728	-0.006	95	3721300	112.2	
207 Benzo[a]pyrene	252	17.874	17.887	-0.013	99	3811543	102.5	
213 Dibenz(a,h)anthracene	278	21.382	21.389	-0.007	74	3608946	105.4	
214 Indeno[1,2,3-cd]pyrene	276	21.306	21.313	-0.007	70	3286137	101.1	M
215 Benzo[g,h,i]perylene	276	22.087	22.094	-0.007	96	3714297	101.0	

QC Flag Legend

Review Flags
M - Manually Integrated

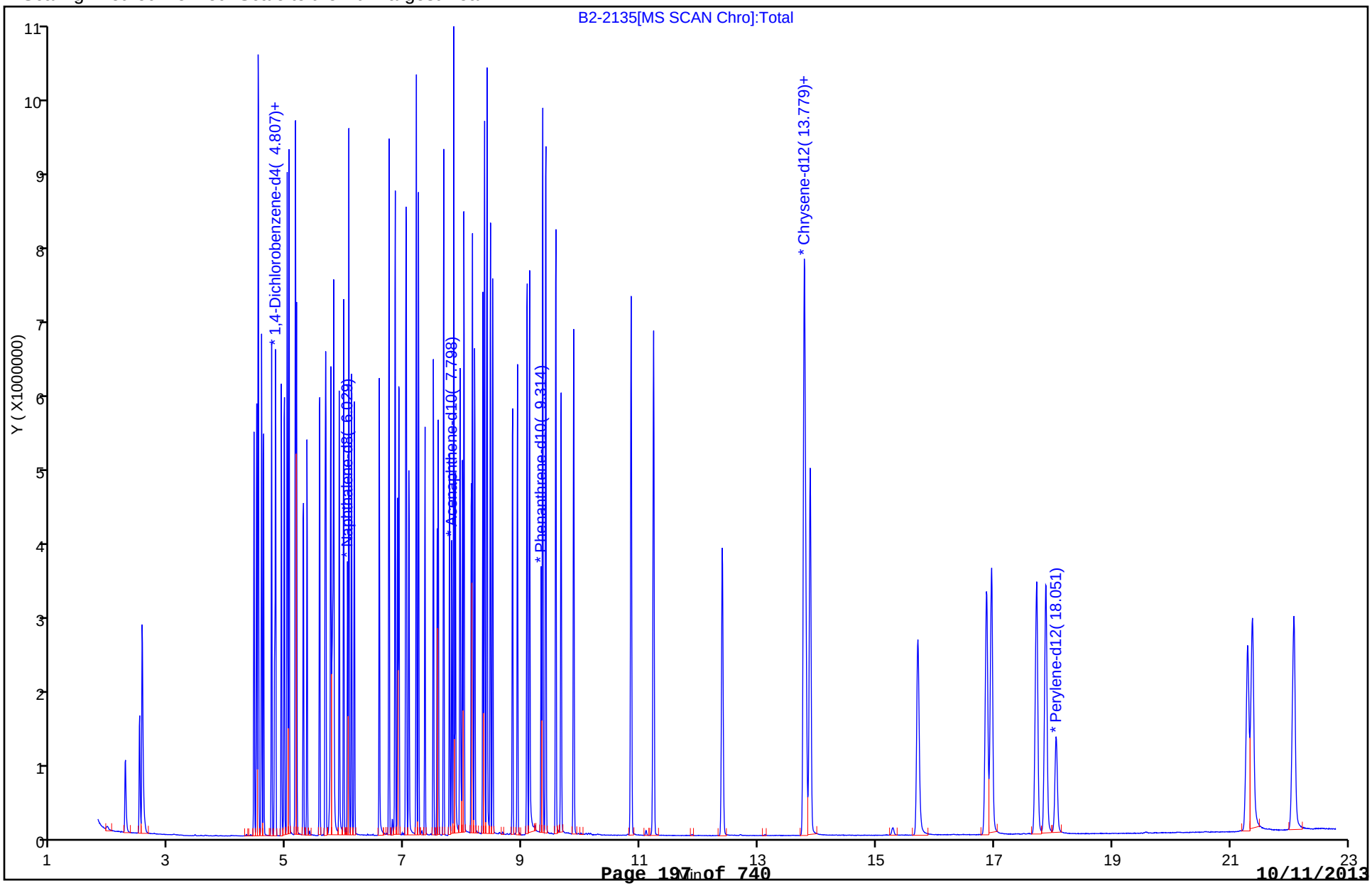
Report Date: 23-Sep-2013 08:22:02 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2135.D

Injection Date:	20-Sep-2013 12:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	11
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab Sample ID: CCV 280-192457/3 Calibration Date: 09/20/2013 15:23

Instrument ID: SMS_B2 Calib Start Date: 09/20/2013 08:21

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/20/2013 11:52

Lab File ID: B2-2139.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	1.631	1.616		79.2	80.0	-1.0	20.0
Phenol	Ave	1.805	1.809		80.2	80.0	0.2	20.0
2-Chlorophenol	Ave	1.450	1.462		80.7	80.0	0.8	35.0
1,4-Dichlorobenzene	Ave	1.622	1.600		78.9	80.0	-1.4	20.0
2-Methylphenol	Ave	1.313	1.318		80.2	80.0	0.3	20.0
3 & 4 Methylphenol	Ave	1.378	1.395		81.0	80.0	1.2	20.0
3-Methylphenol	Ave	1.378	1.395		81.0	80.0	1.2	35.0
4-Methylphenol	Ave	1.378	1.395		81.0	80.0	1.2	35.0
Hexachloroethane	Ave	0.5897	0.5855		79.4	80.0	-0.7	20.0
Nitrobenzene	Ave	0.3778	0.3880		82.2	80.0	2.7	20.0
Benzoic acid	Lin1		0.2265		145	160	-9.2	35.0
1,2,4-Trichlorobenzene	Ave	0.3245	0.3294		81.2	80.0	1.5	35.0
Naphthalene	Ave	1.033	1.056		81.8	80.0	2.2	35.0
Hexachlorobutadiene	Ave	0.1690	0.1735		82.2	80.0	2.7	20.0
2,4,6-Trichlorophenol	Ave	0.3328	0.3450		82.9	80.0	3.7	20.0
2,4,5-Trichlorophenol	Ave	0.3630	0.3715		81.9	80.0	2.4	20.0
Acenaphthene	Ave	1.189	1.188		79.9	80.0	-0.1	20.0
2,4-Dinitrotoluene	Ave	0.3844	0.4061		84.5	80.0	5.6	20.0
Dibenzofuran	Ave	1.610	1.604		79.7	80.0	-0.4	35.0
Hexachlorobenzene	Ave	0.2576	0.2521		78.3	80.0	-2.1	20.0
Pentachlorophenol	Lin2		0.1299		154	160	-3.6	20.0
Anthracene	Ave	1.160	1.185		81.8	80.0	2.2	35.0
Fluoranthene	Ave	1.202	1.230		81.8	80.0	2.3	20.0
Pyrene	Ave	1.158	1.166		80.6	80.0	0.7	35.0
2-Fluorophenol	Ave	1.393	1.403		80.5	80.0	0.7	20.0
Phenol-d5	Ave	1.741	1.738		79.9	80.0	-0.1	20.0
Nitrobenzene-d5	Ave	0.3764	0.3864		82.1	80.0	2.6	20.0
2-Fluorobiphenyl	Ave	1.310	1.297		79.2	80.0	-1.0	20.0
2,4,6-Tribromophenol	Ave	0.1764	0.1832		83.1	80.0	3.8	20.0
Terphenyl-d14	Ave	0.7983	0.8050		80.7	80.0	0.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2139.D
Lims ID: CCV HSL Client ID:
Inject. Date: 20-Sep-2013 15:23:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 192457 Lims Sample ID: 3
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15540.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Sep-2013 08:20:29 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK001

First Level Reviewer: kiekeld Date: 20-Sep-2013 15:49:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.796	4.796	0.0	93	296333	40.0	
* 2 Naphthalene-d8	136	6.035	6.035	0.0	99	1153152	40.0	
* 3 Acenaphthene-d10	164	7.804	7.804	0.0	99	684970	40.0	
* 4 Phenanthrene-d10	188	9.320	9.320	0.0	99	1126789	40.0	
* 5 Chrysene-d12	240	13.820	13.820	0.0	89	1232275	40.0	
* 6 Perylene-d12	264	18.063	18.063	0.0	97	1124773	40.0	
$ 7 2-Fluorophenol	112	3.621	3.621	0.0	98	831430	80.5	
$ 8 Phenol-d5	99	4.431	4.431	0.0	100	1030270	79.9	
$ 9 Nitrobenzene-d5	82	5.325	5.325	0.0	97	891071	82.1	
$ 11 2-Fluorobiphenyl	172	7.093	7.093	0.0	99	1776899	79.2	
$ 12 2,4,6-Tribromophenol	330	8.609	8.609	0.0	95	250966	83.1	
$ 13 Terphenyl-d14	244	11.441	11.441	0.0	99	1983921	80.7	
19 1,4-Dioxane	88	2.263	2.263	0.0	98	349937	78.0	
20 N-Nitrosodimethylamine	74	2.504	2.504	0.0	99	533733	79.7	
21 Pyridine	79	2.551	2.551	0.0	99	957453	79.2	
32 Phenol	94	4.443	4.443	0.0	95	1072016	80.2	
34 Aniline	93	4.490	4.490	0.0	99	1347271	81.2	
35 Alpha Methyl Styrene	118	4.520	4.520	0.0	89	844163	79.6	
36 Bis(2-chloroethyl)ether	93	4.520	4.520	0.0	82	818583	78.2	
38 n-Decane	43	4.572	4.572	0.0	95	739317	75.6	
39 2-Chlorophenol	128	4.608	4.608	0.0	96	866358	80.7	
40 1,3-Dichlorobenzene	146	4.743	4.743	0.0	98	931485	79.2	
42 1,4-Dichlorobenzene	146	4.813	4.813	0.0	99	948448	78.9	
43 Benzyl alcohol	108	4.907	4.907	0.0	99	531665	84.9	
44 1,2-Dichlorobenzene	146	4.960	4.960	0.0	98	907399	79.4	
45 2-Methylphenol	108	5.007	5.007	0.0	97	780865	80.2	
46 2,2'-oxybis[1-chloropropane]	45	5.013	5.013	0.0	91	986762	76.2	
47 Indene	116	5.042	5.042	0.0	93	1419964	79.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.154	5.154	0.0	79	826888	81.0	
50 3-Methylphenol	108	5.154	5.154	0.0	95	826888	81.0	
51 4-Methylphenol	108	5.154	5.154	0.0	90	826888	81.0	
52 N-Nitrosodi-n-propylamine	70	5.148	5.148	0.0	83	587444	81.2	
54 Acetophenone	105	5.166	5.166	0.0	76	1153406	79.3	
58 Hexachloroethane	117	5.283	5.283	0.0	96	346981	79.4	
59 Nitrobenzene	77	5.348	5.348	0.0	100	894864	82.2	
63 Isophorone	82	5.560	5.560	0.0	99	1549621	82.0	
64 2-Nitrophenol	139	5.654	5.654	0.0	94	446544	84.7	
65 2,4-Dimethylphenol	107	5.665	5.665	0.0	99	825387	83.2	
68 Benzoic acid	105	5.771	5.771	0.0	99	1044947	145.2	
69 Bis(2-chloroethoxy)methane	93	5.748	5.748	0.0	99	962606	80.3	
71 3,5-Dimethylphenol	107	5.795	5.795	0.0	98	857370	82.1	
74 2,4-Dichlorophenol	162	5.894	5.894	0.0	98	701493	84.4	
76 1,2,4-Trichlorobenzene	180	5.965	5.965	0.0	94	759655	81.2	
79 Naphthalene	128	6.053	6.053	0.0	100	2435055	81.8	
80 4-Chloroaniline	127	6.100	6.100	0.0	100	1103640	82.3	
83 Hexachlorobutadiene	225	6.147	6.147	0.0	97	400160	82.2	
86 Caprolactam	55	6.447	6.447	0.0	95	408523	79.7	M
89 4-Chloro-3-methylphenol	107	6.576	6.576	0.0	100	724214	85.2	
93 2-Methylnaphthalene	142	6.735	6.735	0.0	99	1673182	81.3	
96 1-Methylnaphthalene	142	6.840	6.840	0.0	99	1580559	81.4	
97 Hexachlorocyclopentadiene	237	6.882	6.882	0.0	97	377045	75.6	
98 1,2,4,5-Tetrachlorobenzene	216	6.905	6.905	0.0	98	725505	81.5	
100 2,4,6-Trichlorophenol	196	7.023	7.023	0.0	94	472596	82.9	
101 2,3-Dichlorobenzenamine	161	7.028	7.028	0.0	96	876065	79.5	
102 2,4,5-Trichlorophenol	196	7.075	7.075	0.0	96	508930	81.9	
104 1,1'-Biphenyl	154	7.199	7.199	0.0	96	1993964	79.4	
106 2-Chloronaphthalene	162	7.234	7.234	0.0	99	1564135	79.3	
108 2-Nitroaniline	65	7.346	7.346	0.0	96	533489	83.8	
111 Dimethyl phthalate	163	7.487	7.487	0.0	99	1708860	79.6	
112 1,3-Dinitrobenzene	168	7.551	7.551	0.0	82	298102	81.1	
113 2,6-Dinitrotoluene	165	7.569	7.569	0.0	90	426167	84.4	
114 Acenaphthylene	152	7.663	7.663	0.0	99	2510350	80.7	
115 3-Nitroaniline	138	7.763	7.763	0.0	97	500487	82.3	
117 Acenaphthene	153	7.833	7.833	0.0	99	1627682	79.9	
118 2,4-Dinitrophenol	184	7.863	7.863	0.0	92	371292	143.8	
119 4-Nitrophenol	109	7.939	7.939	0.0	96	475722	170.1	
122 2,4-Dinitrotoluene	165	7.986	7.986	0.0	98	556334	84.5	
123 Dibenzofuran	168	8.010	8.010	0.0	100	2196764	79.7	
125 2,3,4,6-Tetrachlorophenol	232	8.133	8.133	0.0	72	386806	83.6	
127 Hexadecane	57	8.151	8.151	0.0	95	1156784	78.5	
130 Diethyl phthalate	149	8.186	8.186	0.0	100	1708899	79.5	
134 4-Chlorophenyl phenyl ether	204	8.333	8.333	0.0	99	825312	80.6	
135 Fluorene	166	8.356	8.356	0.0	100	1834508	79.9	
138 4-Nitroaniline	138	8.392	8.392	0.0	95	497975	83.7	
139 4,6-Dinitro-2-methylphenol	198	8.397	8.397	0.0	73	561702	154.1	
141 N-Nitrosodiphenylamine	169	8.456	8.456	0.0	97	1348370	80.6	
143 1,2-Diphenylhydrazine	77	8.497	8.497	0.0	98	1838692	81.0	
144 Azobenzene	77	8.497	8.497	0.0	98	1838692	80.1	
147 2,4,6 - Tribromophenol	330	8.609	8.609	0.0	95	253372	83.2	
156 4-Bromophenyl phenyl ether	248	8.832	8.832	0.0	97	493844	80.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.914	8.914	0.0	97	568114	78.3	
159 Atrazine	200	8.973	8.973	0.0	97	405304	81.1	
161 n-Octadecane	85	9.079	9.079	0.0	96	433144	80.4	
163 Pentachlorophenol	266	9.120	9.120	0.0	95	585546	154.2	
168 Phenanthrene	178	9.343	9.343	0.0	99	2559186	78.9	
169 Anthracene	178	9.396	9.396	0.0	100	2671205	81.8	
170 Carbazole	167	9.567	9.567	0.0	99	2529649	80.3	
171 Alachlor	188	9.655	9.655	0.0	97	327687	85.6	
173 Di-n-butyl phthalate	149	9.872	9.872	0.0	100	2854002	83.1	
179 Fluoranthene	202	10.847	10.847	0.0	100	2771017	81.8	
181 Benzidine	184	11.053	11.053	0.0	74	1526813	84.3	
182 Pyrene	202	11.229	11.229	0.0	99	2874073	80.6	
188 Famphur	218	12.293	12.293	0.0	98	856842	88.9	
190 Butyl benzyl phthalate	149	12.399	12.399	0.0	97	1273807	85.5	
195 Bis(2-ethylhexyl) phthalate	149	13.791	13.791	0.0	93	1646629	86.9	
197 3,3'-Dichlorobenzidine	252	13.762	13.762	0.0	97	978902	81.8	
198 Benzo[a]anthracene	228	13.785	13.785	0.0	99	2686934	81.1	
199 Chrysene	228	13.891	13.891	0.0	99	2546337	80.8	
201 Di-n-octyl phthalate	149	15.718	15.718	0.0	100	2528210	77.7	
203 Benzo[b]fluoranthene	252	16.876	16.876	0.0	98	2607013	86.1	
204 Benzo[k]fluoranthene	252	16.964	16.964	0.0	96	2766892	83.1	
206 Benzo[e]pyrene	252	17.728	17.728	0.0	95	2282618	84.1	
207 Benzo[a]pyrene	252	17.886	17.886	0.0	99	2625678	86.3	
213 Dibenz(a,h)anthracene	278	21.388	21.388	0.0	75	2432816	86.8	
214 Indeno[1,2,3-cd]pyrene	276	21.306	21.306	0.0	72	2341985	85.7	M
215 Benzo[g,h,i]perylene	276	22.087	22.087	0.0	96	2559749	85.1	
S 217 Total Cresols	108				0		161.2	
S 218 Methyl Phenols,Total	108				0		161.2	

QC Flag Legend

Review Flags
M - Manually Integrated

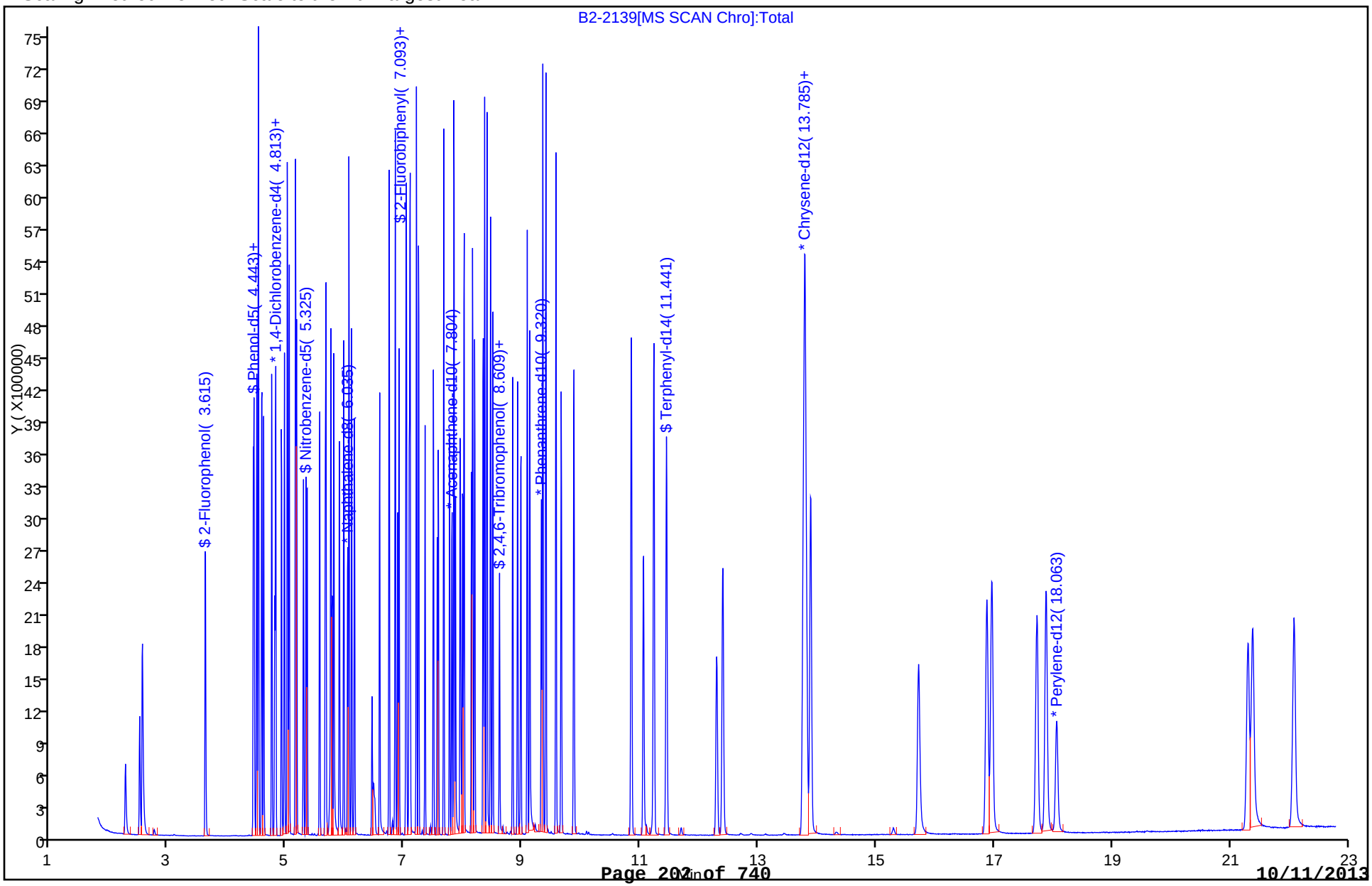
Report Date: 23-Sep-2013 08:20:30 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2139.D

Injection Date:	20-Sep-2013 15:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab Sample ID: CCV 280-193045/3 Calibration Date: 09/25/2013 12:07

Instrument ID: SMS_B2 Calib Start Date: 09/20/2013 08:21

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/20/2013 11:52

Lab File ID: B2-2198.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	1.631	1.666		81.7	80.0	2.1	20.0
Phenol	Ave	1.805	1.844		81.7	80.0	2.1	20.0
2-Chlorophenol	Ave	1.450	1.461		80.7	80.0	0.8	35.0
1,4-Dichlorobenzene	Ave	1.622	1.589		78.4	80.0	-2.0	20.0
2-Methylphenol	Ave	1.313	1.335		81.3	80.0	1.6	20.0
3 & 4 Methylphenol	Ave	1.378	1.406		81.6	80.0	2.0	20.0
3-Methylphenol	Ave	1.378	1.406		81.6	80.0	2.0	35.0
4-Methylphenol	Ave	1.378	1.406		81.6	80.0	2.0	35.0
Hexachloroethane	Ave	0.5897	0.5893		79.9	80.0	-0.0	20.0
Nitrobenzene	Ave	0.3778	0.3894		82.5	80.0	3.1	20.0
Benzoic acid	Lin1		0.1688		110	160	-31.4	35.0
1,2,4-Trichlorobenzene	Ave	0.3245	0.3148		77.6	80.0	-3.0	35.0
Naphthalene	Ave	1.033	1.034		80.1	80.0	0.0	35.0
Hexachlorobutadiene	Ave	0.1690	0.1633		77.3	80.0	-3.4	20.0
2,4,6-Trichlorophenol	Ave	0.3328	0.3419		82.2	80.0	2.7	20.0
2,4,5-Trichlorophenol	Ave	0.3630	0.3683		81.2	80.0	1.5	20.0
Acenaphthene	Ave	1.189	1.198		80.6	80.0	0.7	20.0
2,4-Dinitrotoluene	Ave	0.3844	0.4066		84.6	80.0	5.8	20.0
Dibenzofuran	Ave	1.610	1.613		80.1	80.0	0.2	35.0
Hexachlorobenzene	Ave	0.2576	0.2477		76.9	80.0	-3.8	20.0
Pentachlorophenol	Lin2		0.1313		156	160	-2.7	20.0
Anthracene	Ave	1.160	1.188		82.0	80.0	2.5	35.0
Fluoranthene	Ave	1.202	1.231		81.9	80.0	2.4	20.0
Pyrene	Ave	1.158	1.186		82.0	80.0	2.5	35.0
2-Fluorophenol	Ave	1.393	1.411		81.0	80.0	1.3	20.0
Phenol-d5	Ave	1.741	1.784		82.0	80.0	2.5	20.0
Nitrobenzene-d5	Ave	0.3764	0.3835		81.5	80.0	1.9	20.0
2-Fluorobiphenyl	Ave	1.310	1.315		80.3	80.0	0.4	20.0
2,4,6-Tribromophenol	Ave	0.1764	0.1850		83.9	80.0	4.8	20.0
Terphenyl-d14	Ave	0.7983	0.8174		81.9	80.0	2.4	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2198.D
Lims ID: CCV HSL Client ID:
Inject. Date: 25-Sep-2013 12:07:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 193045 Lims Sample ID: 3
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130925-15676.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 26-Sep-2013 08:36:06 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK033

First Level Reviewer: kiekeld Date: 25-Sep-2013 12:34:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.787	4.787	0.0	92	314072	40.0	
* 2 Naphthalene-d8	136	6.027	6.027	0.0	99	1242371	40.0	
* 3 Acenaphthene-d10	164	7.795	7.795	0.0	99	711784	40.0	
* 4 Phenanthrene-d10	188	9.311	9.311	0.0	99	1175297	40.0	
* 5 Chrysene-d12	240	13.800	13.800	0.0	88	1262971	40.0	
* 6 Perylene-d12	264	18.036	18.036	0.0	98	1212589	40.0	
$ 7 2-Fluorophenol	112	3.606	3.606	0.0	97	886353	81.0	
$ 8 Phenol-d5	99	4.423	4.423	0.0	99	1120862	82.0	
$ 9 Nitrobenzene-d5	82	5.322	5.322	0.0	98	952845	81.5	
$ 11 2-Fluorobiphenyl	172	7.084	7.084	0.0	99	1872583	80.3	
$ 12 2,4,6-Tribromophenol	330	8.600	8.600	0.0	92	263305	83.9	
$ 13 Terphenyl-d14	244	11.426	11.426	0.0	99	2064786	81.9	
19 1,4-Dioxane	88	2.225	2.225	0.0	95	384290	80.8	
20 N-Nitrosodimethylamine	74	2.472	2.472	0.0	99	582947	82.2	
21 Pyridine	79	2.519	2.519	0.0	97	1046611	81.7	
32 Phenol	94	4.440	4.440	0.0	92	1158286	81.7	
34 Aniline	93	4.482	4.482	0.0	99	1459562	83.0	
35 Alpha Methyl Styrene	118	4.505	4.505	0.0	95	901269	80.2	
36 Bis(2-chloroethyl)ether	93	4.511	4.511	0.0	84	867968	78.2	
38 n-Decane	43	4.564	4.564	0.0	95	920097	88.8	
39 2-Chlorophenol	128	4.599	4.599	0.0	95	917964	80.7	
40 1,3-Dichlorobenzene	146	4.734	4.734	0.0	98	998258	80.1	
42 1,4-Dichlorobenzene	146	4.805	4.805	0.0	98	998359	78.4	
43 Benzyl alcohol	108	4.905	4.905	0.0	99	587609	88.5	
44 1,2-Dichlorobenzene	146	4.952	4.952	0.0	97	959319	79.2	
45 2-Methylphenol	108	5.004	5.004	0.0	99	838318	81.3	
46 2,2'-oxybis[1-chloropropane]	45	5.004	5.004	0.0	87	1233792	89.9	
47 Indene	116	5.034	5.034	0.0	93	1507848	80.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.145	5.145	0.0	75	883111	81.6	
50 3-Methylphenol	108	5.145	5.145	0.0	96	883111	81.6	
51 4-Methylphenol	108	5.145	5.145	0.0	95	883111	81.6	
52 N-Nitrosodi-n-propylamine	70	5.140	5.140	0.0	91	637595	83.1	
54 Acetophenone	105	5.163	5.163	0.0	75	1232402	80.0	
58 Hexachloroethane	117	5.275	5.275	0.0	95	370135	79.9	
59 Nitrobenzene	77	5.339	5.339	0.0	98	967541	82.5	
63 Isophorone	82	5.551	5.551	0.0	99	1674042	82.2	
64 2-Nitrophenol	139	5.645	5.645	0.0	93	477318	84.1	
65 2,4-Dimethylphenol	107	5.657	5.657	0.0	98	878298	82.2	
68 Benzoic acid	105	5.762	5.762	0.0	98	838649	109.8	
69 Bis(2-chloroethoxy)methane	93	5.739	5.739	0.0	95	1030390	79.8	
71 3,5-Dimethylphenol	107	5.792	5.792	0.0	98	913725	81.2	
74 2,4-Dichlorophenol	162	5.886	5.886	0.0	96	732541	81.8	
76 1,2,4-Trichlorobenzene	180	5.962	5.962	0.0	97	782079	77.6	
79 Naphthalene	128	6.050	6.050	0.0	100	2568855	80.1	
80 4-Chloroaniline	127	6.091	6.091	0.0	99	1170159	81.0	
83 Hexachlorobutadiene	225	6.144	6.144	0.0	98	405675	77.3	
86 Caprolactam	55	6.438	6.438	0.0	93	486756	88.2	
89 4-Chloro-3-methylphenol	107	6.567	6.567	0.0	99	766070	83.6	
93 2-Methylnaphthalene	142	6.732	6.732	0.0	100	1776001	80.1	
96 1-Methylnaphthalene	142	6.832	6.832	0.0	99	1662182	79.4	
97 Hexachlorocyclopentadiene	237	6.879	6.879	0.0	98	383775	74.1	
98 1,2,4,5-Tetrachlorobenzene	216	6.896	6.896	0.0	97	749331	78.1	
100 2,4,6-Trichlorophenol	196	7.014	7.014	0.0	89	486685	82.2	
101 2,3-Dichlorobenzenamine	161	7.026	7.026	0.0	88	919379	80.3	
102 2,4,5-Trichlorophenol	196	7.073	7.073	0.0	98	524237	81.2	
104 1,1'-Biphenyl	154	7.196	7.196	0.0	96	2083042	79.8	
106 2-Chloronaphthalene	162	7.231	7.231	0.0	99	1625879	79.4	
108 2-Nitroaniline	65	7.337	7.337	0.0	97	577786	87.3	
111 Dimethyl phthalate	163	7.478	7.478	0.0	98	1797735	80.5	
112 1,3-Dinitrobenzene	168	7.549	7.549	0.0	84	317055	82.9	
113 2,6-Dinitrotoluene	165	7.566	7.566	0.0	95	437849	83.5	
114 Acenaphthylene	152	7.654	7.654	0.0	99	2651766	82.0	
115 3-Nitroaniline	138	7.754	7.754	0.0	96	530563	84.0	
117 Acenaphthene	153	7.831	7.831	0.0	99	1705973	80.6	
118 2,4-Dinitrophenol	184	7.854	7.854	0.0	90	396844	147.3	
119 4-Nitrophenol	109	7.936	7.936	0.0	96	497789	171.3	
122 2,4-Dinitrotoluene	165	7.977	7.977	0.0	95	578858	84.6	
123 Dibenzofuran	168	8.001	8.001	0.0	100	2295813	80.1	
125 2,3,4,6-Tetrachlorophenol	232	8.124	8.124	0.0	75	406093	84.5	
127 Hexadecane	57	8.142	8.142	0.0	95	1373847	89.8	
130 Diethyl phthalate	149	8.177	8.177	0.0	99	1811256	81.1	
134 4-Chlorophenyl phenyl ether	204	8.324	8.324	0.0	97	845376	79.5	
135 Fluorene	166	8.348	8.348	0.0	100	1923791	80.7	
138 4-Nitroaniline	138	8.383	8.383	0.0	92	524024	84.7	
139 4,6-Dinitro-2-methylphenol	198	8.395	8.395	0.0	94	591998	155.6	
141 N-Nitrosodiphenylamine	169	8.447	8.447	0.0	96	1397829	80.1	
143 1,2-Diphenylhydrazine	77	8.489	8.489	0.0	97	1977966	83.8	
144 Azobenzene	77	8.489	8.489	0.0	97	1977966	82.9	
147 2,4,6 - Tribromophenol	330	8.600	8.600	0.0	92	266451	84.2	
156 4-Bromophenyl phenyl ether	248	8.823	8.823	0.0	95	510637	80.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.906	8.906	0.0	96	582232	76.9	
159 Atrazine	200	8.964	8.964	0.0	93	427687	82.0	
161 n-Octadecane	85	9.070	9.070	0.0	95	478942	85.3	
163 Pentachlorophenol	266	9.111	9.111	0.0	95	617227	155.7	
168 Phenanthrene	178	9.335	9.335	0.0	99	2688510	79.4	
169 Anthracene	178	9.388	9.388	0.0	100	2792727	82.0	
170 Carbazole	167	9.558	9.558	0.0	99	2668552	81.2	
171 Alachlor	188	9.646	9.646	0.0	94	342394	85.7	
173 Di-n-butyl phthalate	149	9.863	9.863	0.0	100	3021273	84.3	
179 Fluoranthene	202	10.833	10.833	0.0	96	2892968	81.9	
181 Benzidine	184	11.039	11.039	0.0	73	1645321	88.5	
182 Pyrene	202	11.215	11.215	0.0	99	2995837	82.0	
188 Famphur	218	12.278	12.278	0.0	97	940482	95.2	
190 Butyl benzyl phthalate	149	12.378	12.378	0.0	100	1352055	88.5	
195 Bis(2-ethylhexyl) phthalate	149	13.771	13.771	0.0	83	1769021	91.1	
197 3,3'-Dichlorobenzidine	252	13.735	13.735	0.0	98	1059266	86.3	
198 Benzo[a]anthracene	228	13.771	13.771	0.0	98	2764868	81.4	
199 Chrysene	228	13.871	13.871	0.0	99	2606613	80.7	
201 Di-n-octyl phthalate	149	15.692	15.692	0.0	99	2869323	85.4	
203 Benzo[b]fluoranthene	252	16.855	16.855	0.0	95	2737448	83.8	
204 Benzo[k]fluoranthene	252	16.937	16.937	0.0	98	2888802	80.4	
206 Benzo[e]pyrene	252	17.701	17.701	0.0	98	2380448	81.4	
207 Benzo[a]pyrene	252	17.860	17.860	0.0	96	2779110	84.7	
213 Dibenz(a,h)anthracene	278	21.362	21.362	0.0	73	2640944	87.4	
214 Indeno[1,2,3-cd]pyrene	276	21.279	21.279	0.0	64	2587117	92.3	M
215 Benzo[g,h,i]perylene	276	22.067	22.067	0.0	96	2694889	83.1	
S 217 Total Cresols	108				0		162.9	
S 218 Methyl Phenols,Total	108				0		162.9	

QC Flag Legend

Review Flags
M - Manually Integrated

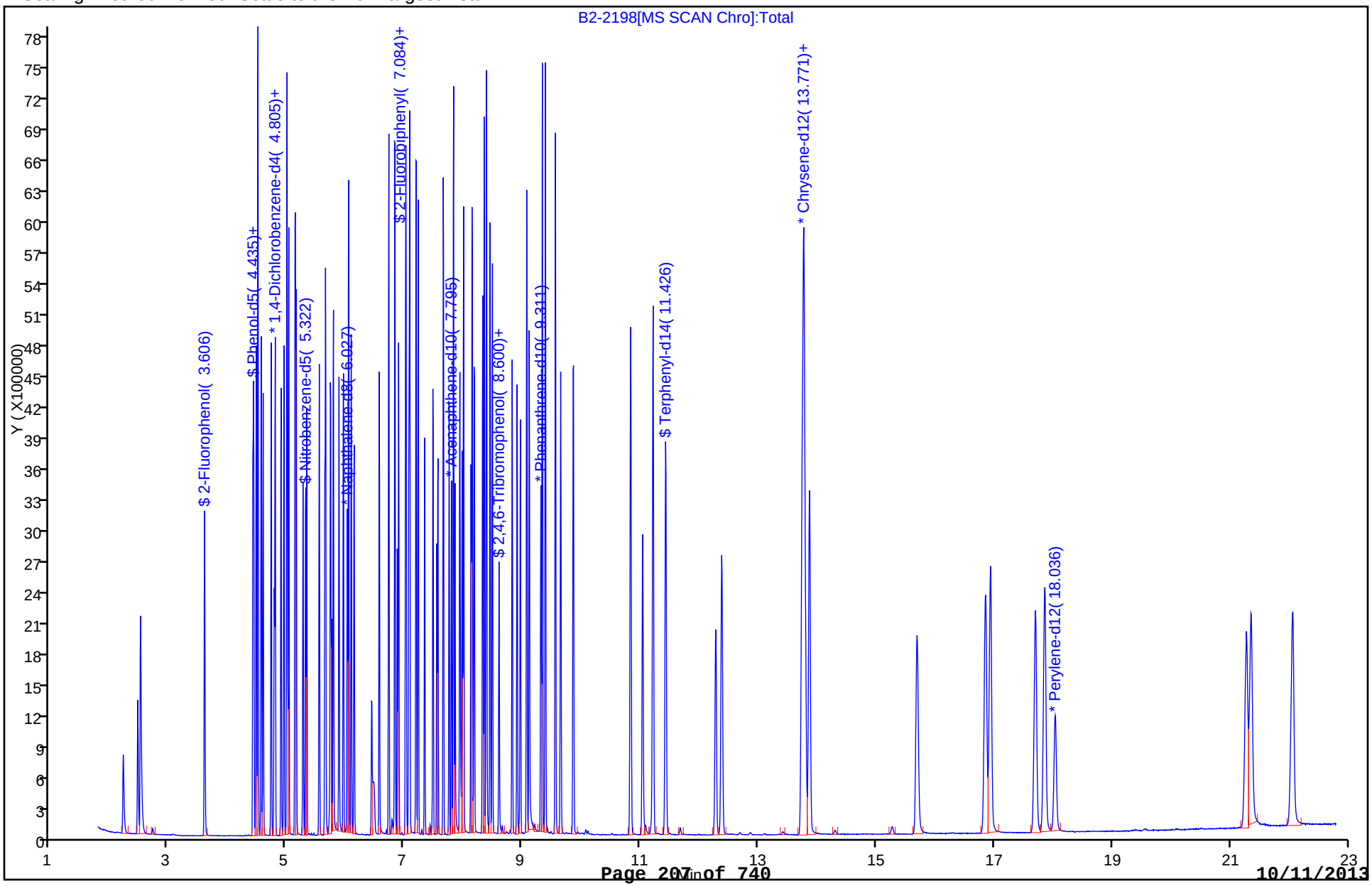
Report Date: 26-Sep-2013 08:36:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2198.D

Injection Date:	25-Sep-2013 12:07:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	193045	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	20-Sep-2013 08:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	1
Lims Batch ID:	192371	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	20-Sep-2013 14:55:48	Calib Date:	20-Sep-2013 11:52:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK019		
First Level Reviewer: kiekeld		Date:	20-Sep-2013 08:33:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.926	3.926	0.0	90	185495	0	
30 DFTPP								
48 Benzidine_T	184	5.043	5.043	0.0	99	1422011	0	
56 4,4'-DDE	246		5.137					9
62 4,4'-DDD	235		5.454					4
70 4,4'-DDT	235	5.718	5.718	0.0	98	556657	0	

QC Flag Legend

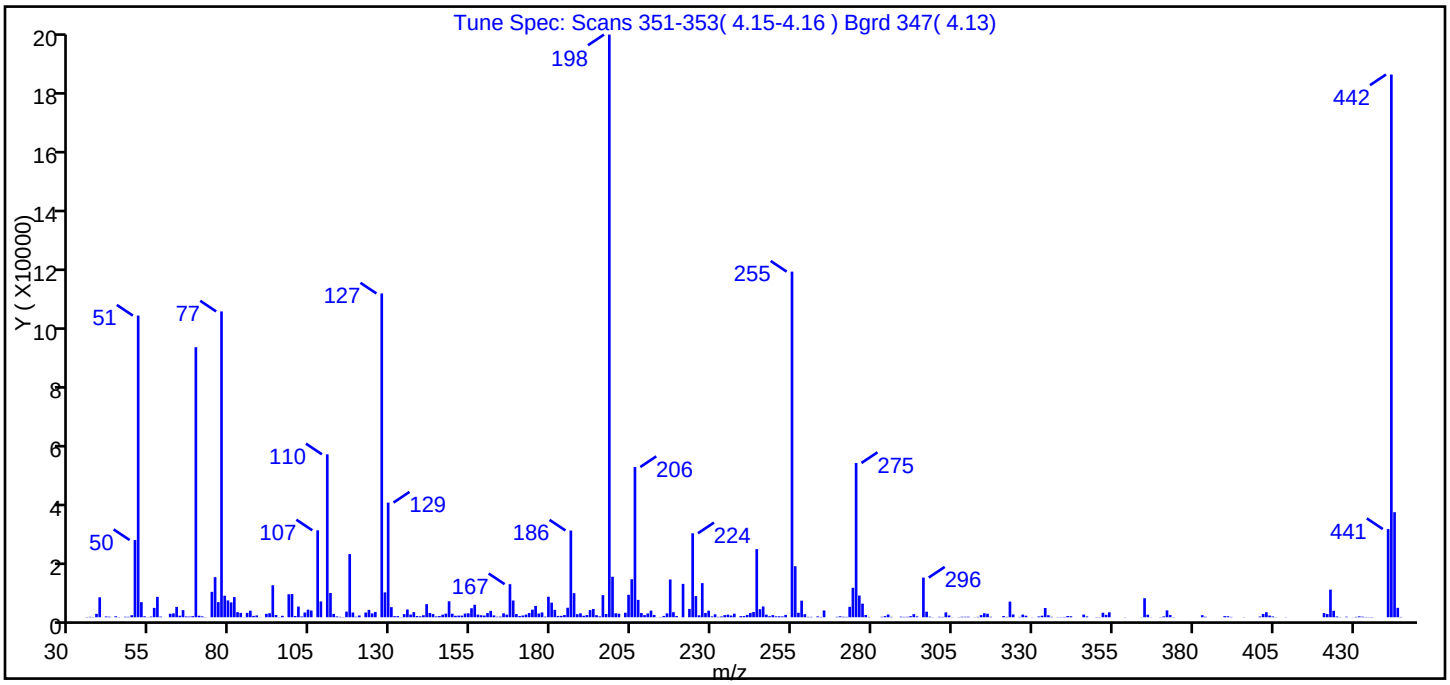
Processing Flags
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D		
Injection Date:	20-Sep-2013 08:07:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	51.77
68	Less than 2.00% of mass 69	0.18 (0.40)
69	Present	46.35
70	Less than 2.00% of mass 69	0.26 (0.56)
127	40.00 - 60.00% of mass 198	55.57
197	Less than 1.00% of mass 198	0.56
199	5.00 - 9.00% of mass 198	6.95
275	10.00 - 30.00% of mass 198	26.47
365	Greater than 1.00% of mass 198	3.27
441	Present, but less than mass 443%	15.14 (83.95)
442	Greater than 40.00% of mass 198	93.15
443	17.00 - 23.00% of mass 442	18.03 (19.36)

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 20-Sep-2013 08:07:30
Spectrum: Tune Spec: Scans 351-353(4.15-4.16) Bgrd 347(4.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	89	127.00	107976	208.00	1414	303.00	1633
36.00	150	128.00	8302	209.00	717	304.00	603
37.00	71	129.00	38240	210.00	1267	305.00	51
38.00	1139	130.00	3373	211.00	2215	307.00	69
39.00	6651	131.00	361	212.00	770	308.00	169
41.00	277	132.00	372	213.00	36	309.00	164
42.00	183	133.00	63	214.00	90	310.00	190
44.00	328	134.00	1031	215.00	439	312.00	55
45.00	77	135.00	2588	216.00	1300	313.00	132
47.00	170	136.00	898	217.00	12583	314.00	703
48.00	143	137.00	1701	218.00	1692	315.00	1338
49.00	677	138.00	406	219.00	395	316.00	1174
50.00	25744	139.00	303	221.00	11130	317.00	167
51.00	100600	140.00	673	223.00	2785	321.00	403
52.00	5032	141.00	4374	224.00	28008	322.00	125
53.00	314	142.00	1435	225.00	7059	323.00	5217
54.00	63	143.00	1047	226.00	650	324.00	943
55.00	225	144.00	275	227.00	11376	326.00	122
56.00	3124	145.00	402	228.00	1438	327.00	884
57.00	6801	146.00	859	229.00	2199	328.00	518
58.00	210	147.00	1202	230.00	282	330.00	53
61.00	1159	148.00	5331	231.00	973	332.00	266
62.00	1297	149.00	1174	232.00	142	333.00	517
63.00	3464	150.00	501	233.00	274	334.00	3088
64.00	516	151.00	554	234.00	705	335.00	674
65.00	2372	152.00	549	235.00	874	336.00	149
66.00	259	153.00	1223	236.00	565	338.00	66
67.00	228	154.00	1306	237.00	1182	339.00	79
68.00	358	155.00	2999	239.00	362	340.00	117
69.00	90064	156.00	4163	240.00	389	341.00	403
70.00	505	157.00	899	241.00	781	342.00	334
71.00	283	158.00	673	242.00	1414	346.00	894
72.00	66	159.00	567	243.00	1766	347.00	273

Report Date: 20-Sep-2013 14:55:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 20-Sep-2013 08:07:30
Spectrum: Tune Spec: Scans 351-353(4.15-4.16) Bgrd 347(4.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	8477	160.00	1393	244.00	22720	350.00	75
75.00	13370	161.00	2130	245.00	2684	351.00	61
76.00	5038	162.00	614	246.00	3596	352.00	1517
77.00	101984	163.00	175	247.00	877	353.00	824
78.00	7176	164.00	219	248.00	341	354.00	1638
79.00	5614	165.00	1325	249.00	719	359.00	64
80.00	4953	166.00	882	250.00	301	364.00	54
81.00	6725	167.00	11035	251.00	324	365.00	6347
82.00	1697	168.00	5585	252.00	276	366.00	844
83.00	1447	169.00	1058	253.00	783	367.00	59
84.00	64	170.00	399	255.00	115256	370.00	81
85.00	1463	171.00	580	256.00	17016	371.00	286
86.00	2184	172.00	884	257.00	1490	372.00	2286
87.00	465	173.00	1403	258.00	5529	373.00	727
88.00	606	174.00	2551	259.00	1017	374.00	78
89.00	52	175.00	3791	260.00	142	383.00	685
91.00	1146	176.00	1242	261.00	126	384.00	184
92.00	1338	177.00	1612	263.00	281	390.00	380
93.00	10682	178.00	200	264.00	125	391.00	332
94.00	747	179.00	6845	265.00	2270	392.00	122
95.00	73	180.00	4866	269.00	142	396.00	58
96.00	485	181.00	2473	270.00	312	401.00	251
98.00	7679	182.00	453	271.00	172	402.00	1077
99.00	7756	183.00	469	272.00	133	403.00	1671
100.00	415	184.00	748	273.00	3484	404.00	560
101.00	3568	185.00	3168	274.00	9831	405.00	271
102.00	269	186.00	28920	275.00	51440	406.00	50
103.00	1582	187.00	8050	276.00	7238	409.00	56
104.00	2520	188.00	1018	277.00	4533	421.00	1395
105.00	2244	189.00	1321	278.00	763	422.00	1065
107.00	28984	190.00	497	279.00	117	423.00	9214
108.00	5271	191.00	733	283.00	148	424.00	2157
110.00	54336	192.00	2391	284.00	373	425.00	262
111.00	8077	193.00	2767	285.00	904	426.00	74

Report Date: 20-Sep-2013 14:55:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 20-Sep-2013 08:07:30
Spectrum: Tune Spec: Scans 351-353(4.15-4.16) Bgrd 347(4.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	1133	194.00	704	286.00	136	428.00	185
113.00	282	195.00	298	289.00	195	430.00	37
114.00	144	196.00	7381	290.00	136	431.00	139
115.00	71	197.00	1096	291.00	157	432.00	296
116.00	1882	198.00	194304	292.00	364	433.00	192
117.00	21064	199.00	13508	293.00	1026	434.00	97
118.00	1583	200.00	1322	294.00	279	435.00	78
119.00	168	201.00	1179	296.00	13233	436.00	84
120.00	595	203.00	1512	297.00	1858	441.00	29408
122.00	1565	204.00	7487	298.00	191	442.00	180992
123.00	2464	205.00	12693	299.00	52	443.00	35032
124.00	1290	206.00	50104	301.00	151	444.00	3150
125.00	1771	207.00	5794	302.00	119	445.00	110

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D		
Injection Date:	20-Sep-2013 08:07:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

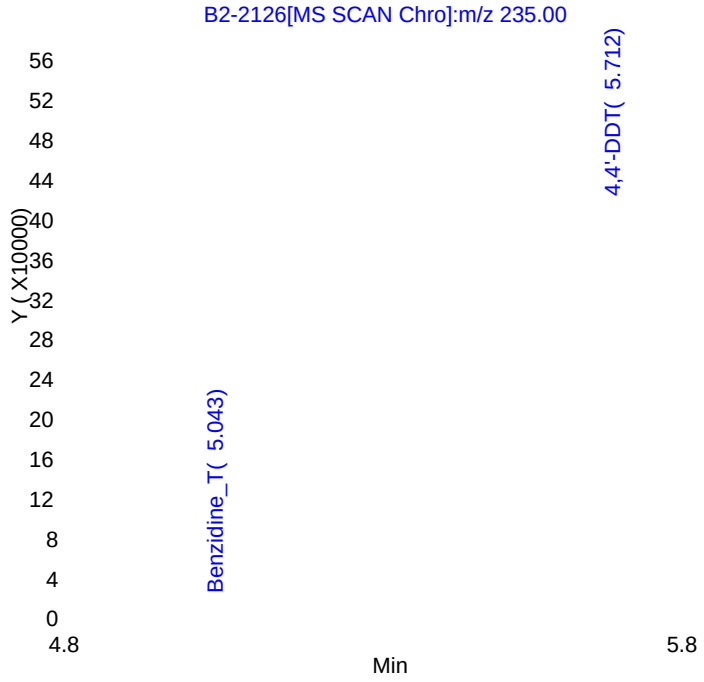
70 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 556657
62 4,4'-DDD, Area = 0
56 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed



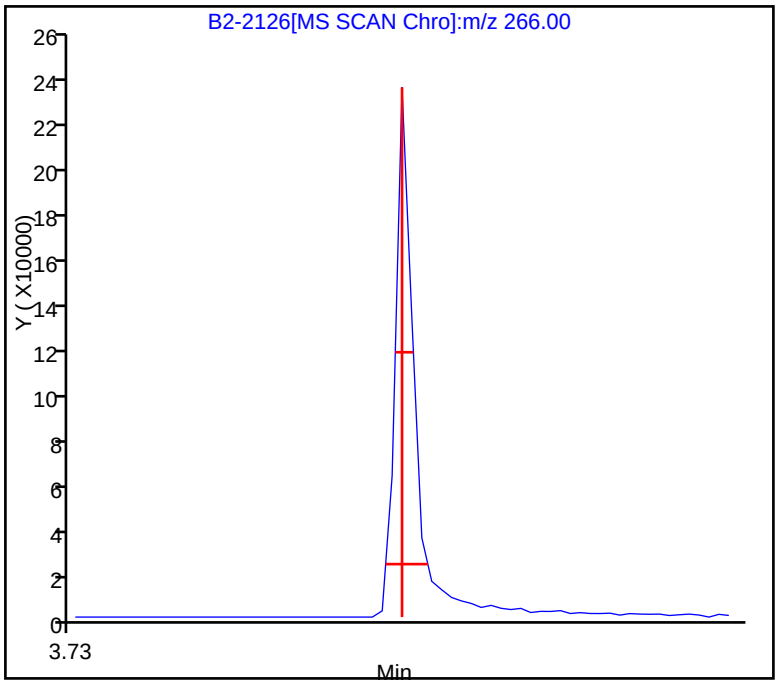
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D

Injection Date:	20-Sep-2013 08:07:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.6, Max. Tailing < 5.00
Passed

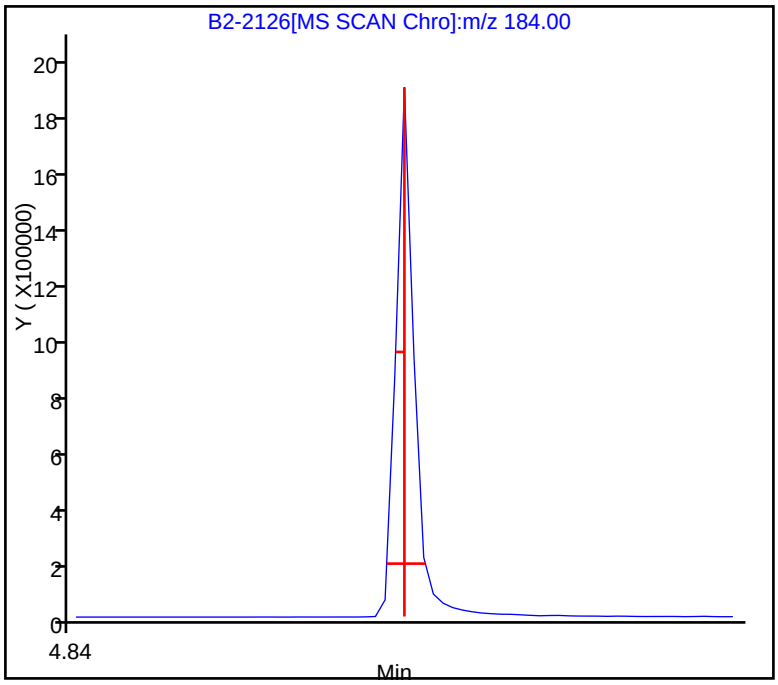
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2126.D

Injection Date:	20-Sep-2013 08:07:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192371	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D
Lims ID: DFTPP Client ID:
Inject. Date: 20-Sep-2013 15:10:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 1
Lims Batch ID: 192457 Lims Sample ID: 2
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15540.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Sep-2013 08:20:25 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK001

First Level Reviewer: kiekeld Date: 20-Sep-2013 15:19:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.935	3.935	0.0	92	212298	0	
30 DFTPP								
48 Benzidine_T	184	5.074	5.074	0.0	99	1831353	0	
56 4,4'-DDE	246		5.137					9
62 4,4'-DDD	235		5.454					9
70 4,4'-DDT	235	5.762	5.762	0.0	97	688129	0	

QC Flag Legend

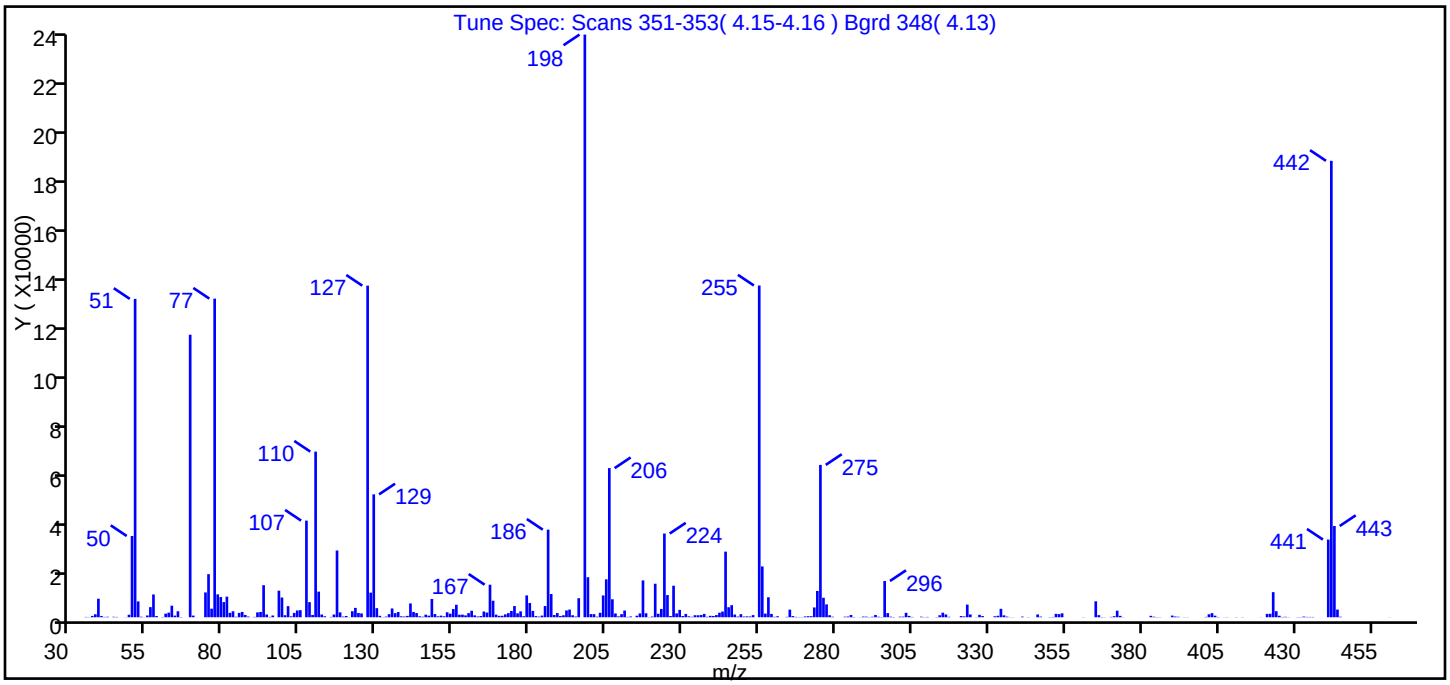
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D		
Injection Date:	20-Sep-2013 15:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	48.49
70	Less than 2.00% of mass 69	0.28 (0.58)
127	40.00 - 60.00% of mass 198	56.91
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 30.00% of mass 198	26.15
365	Greater than 1.00% of mass 198	2.74
441	Present, but less than mass 443%	13.33 (85.10)
442	Greater than 40.00% of mass 198	78.33
443	17.00 - 23.00% of mass 442	15.66 (20.00)

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 20-Sep-2013 15:10:30
Spectrum: Tune Spec: Scans 351-353(4.15-4.16) Bgrd 348(4.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	139	130.00	3729	213.00	324	304.00	550
36.00	77	131.00	584	215.00	628	305.00	140
37.00	546	132.00	72	216.00	1569	308.00	240
38.00	1219	133.00	259	217.00	15109	309.00	88
39.00	7595	134.00	1259	218.00	1638	310.00	148
40.00	492	135.00	3612	219.00	77	313.00	105
41.00	144	136.00	1675	220.00	303	314.00	831
42.00	207	137.00	2138	221.00	13746	315.00	1863
44.00	192	138.00	394	222.00	1432	316.00	1148
45.00	138	139.00	295	223.00	3417	317.00	199
48.00	53	140.00	565	224.00	34336	321.00	495
49.00	1030	141.00	5670	225.00	9101	322.00	341
50.00	33328	142.00	2184	226.00	499	323.00	5181
51.00	130584	143.00	1727	227.00	12933	324.00	1147
52.00	6503	144.00	407	228.00	1589	326.00	68
53.00	215	145.00	227	229.00	3030	327.00	1000
54.00	65	146.00	1067	230.00	509	328.00	486
55.00	727	147.00	646	231.00	1356	332.00	402
56.00	4154	148.00	7493	232.00	383	333.00	604
57.00	9349	149.00	1322	233.00	187	334.00	3466
58.00	494	150.00	383	234.00	833	335.00	782
60.00	115	151.00	659	235.00	811	336.00	267
61.00	1474	152.00	389	236.00	908	337.00	58
62.00	1885	153.00	2053	237.00	1373	338.00	50
63.00	4741	154.00	1482	238.00	208	341.00	273
64.00	674	155.00	3370	239.00	588	343.00	79
65.00	2448	156.00	5115	240.00	532	346.00	1161
66.00	107	157.00	1022	241.00	893	347.00	267
69.00	115880	158.00	1070	242.00	1861	350.00	88
70.00	674	159.00	767	243.00	2327	351.00	129
71.00	22	160.00	1692	244.00	26912	352.00	1404
74.00	10182	161.00	2672	245.00	4119	353.00	1293
75.00	17672	162.00	777	246.00	4962	354.00	1613

Report Date: 23-Sep-2013 08:20:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 20-Sep-2013 15:10:30
Spectrum: Tune Spec: Scans 351-353(4.15-4.16) Bgrd 348(4.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	3521	163.00	313	247.00	1117	361.00	68
77.00	130688	164.00	499	248.00	268	365.00	6542
78.00	9390	165.00	2350	249.00	1261	366.00	860
79.00	8287	166.00	1924	250.00	287	367.00	115
80.00	6223	167.00	13350	251.00	361	368.00	50
81.00	8453	168.00	6777	252.00	321	370.00	157
82.00	1806	169.00	1066	253.00	876	371.00	428
83.00	2457	170.00	578	255.00	136064	372.00	2702
84.00	193	171.00	609	256.00	20840	373.00	574
85.00	1783	172.00	1182	257.00	1492	374.00	60
86.00	2188	173.00	1682	258.00	8202	383.00	592
87.00	952	174.00	2579	259.00	1370	384.00	226
88.00	288	175.00	4594	260.00	181	385.00	92
90.00	148	176.00	1604	261.00	421	386.00	62
91.00	2008	177.00	2423	264.00	157	390.00	679
92.00	2177	178.00	414	265.00	3129	391.00	298
93.00	13154	179.00	8963	266.00	477	392.00	203
94.00	1126	180.00	5842	267.00	158	394.00	63
95.00	157	181.00	2604	268.00	83	395.00	58
96.00	721	182.00	482	269.00	72	401.00	157
98.00	10907	183.00	272	270.00	334	402.00	1226
99.00	8090	184.00	680	271.00	426	403.00	1687
100.00	841	185.00	4600	272.00	428	404.00	645
101.00	4558	186.00	35920	273.00	4023	405.00	118
102.00	382	187.00	9522	274.00	10789	407.00	51
103.00	1781	188.00	913	275.00	62488	408.00	74
104.00	2780	189.00	1721	276.00	7999	411.00	76
105.00	2905	190.00	529	277.00	5283	413.00	73
107.00	39640	191.00	812	278.00	834	419.00	53
108.00	6197	192.00	2799	279.00	216	421.00	1387
109.00	943	193.00	3146	283.00	222	422.00	1422
110.00	67936	194.00	815	284.00	302	423.00	10297
111.00	10511	195.00	291	285.00	915	424.00	2480
112.00	1133	196.00	7809	286.00	123	425.00	614

Report Date: 23-Sep-2013 08:20:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 20-Sep-2013 15:10:30
Spectrum: Tune Spec: Scans 351-353(4.15-4.16) Bgrd 348(4.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 328

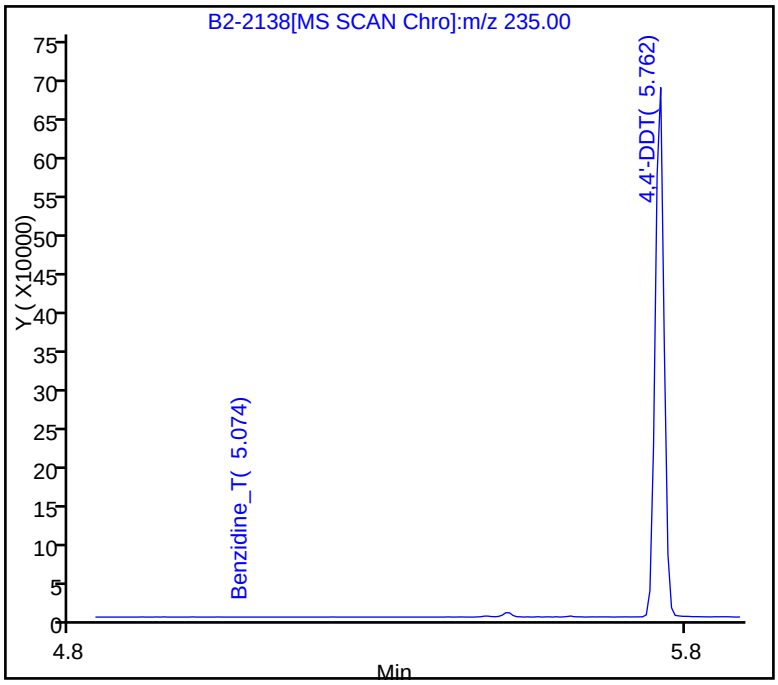
m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	400	198.00	238976	288.00	56	426.00	125
115.00	149	199.00	16416	289.00	275	427.00	192
116.00	1131	200.00	1296	290.00	251	428.00	69
117.00	27384	201.00	1265	291.00	98	431.00	86
118.00	2015	202.00	240	292.00	210	432.00	86
119.00	271	203.00	1828	293.00	932	433.00	283
120.00	525	204.00	8943	294.00	209	434.00	140
121.00	40	205.00	15550	295.00	105	435.00	134
122.00	2478	206.00	61168	296.00	14875	436.00	128
123.00	3842	207.00	7379	297.00	1702	441.00	31856
124.00	1752	208.00	1560	298.00	240	442.00	187200
125.00	1567	209.00	371	299.00	107	443.00	37432
127.00	136000	210.00	1263	301.00	251	444.00	3153
128.00	10090	211.00	2761	302.00	264	445.00	220
129.00	50408	212.00	155	303.00	1812	461.00	52

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D		
Injection Date:	20-Sep-2013 15:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 688129
62 4,4'-DDD, Area = 0
56 4,4'-DDE, Area = 0

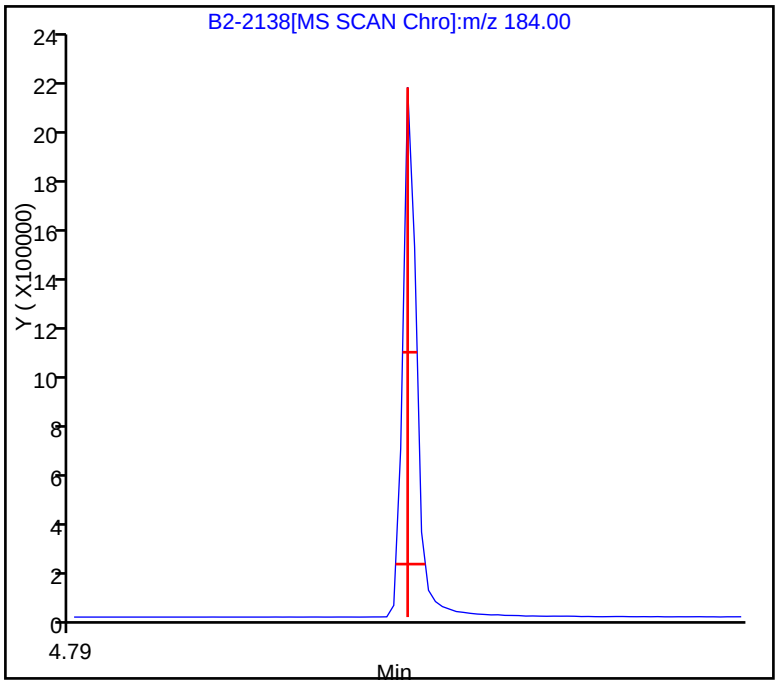
%Breakdown: 0.00%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D		
Injection Date:	20-Sep-2013 15:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

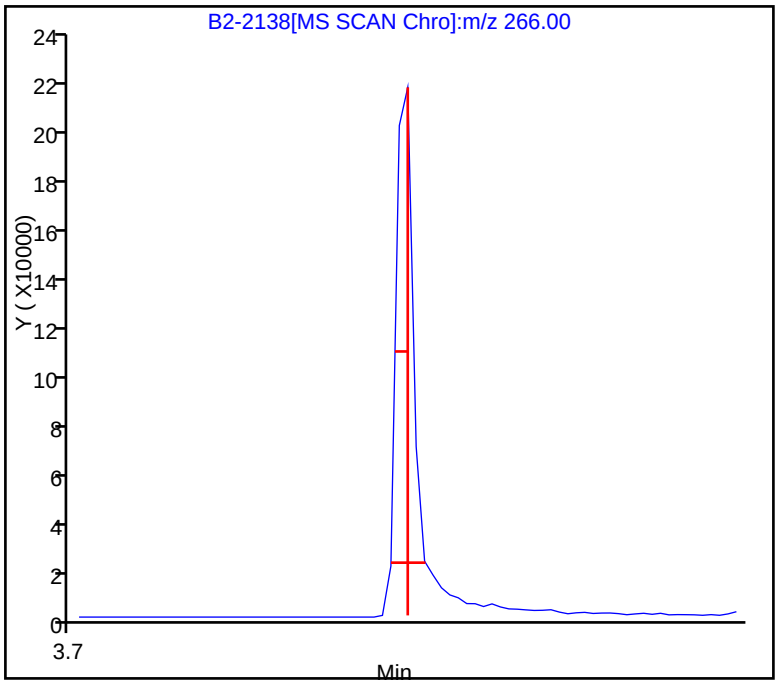
Tailing Factor = 1.5, Max. Tailing < 3.00
Passed

Peak Tailing Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2138.D		
Injection Date:	20-Sep-2013 15:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.1, Max. Tailing < 5.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D
Lims ID: DFTPP
Client ID:
Inject. Date: 25-Sep-2013 11:54:30
Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 1
Lims Batch ID: 193045
Lims Sample ID: 2
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130925-15676.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 26-Sep-2013 08:36:05
Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK033

First Level Reviewer: kiekeld
Date: 25-Sep-2013 12:03:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.908	3.908	0.0	92	248805	0	
30 DFTPP								
48 Benzidine_T	184	5.019	5.019	0.0	99	2056615	0	
56 4,4'-DDE	246		5.137					4
62 4,4'-DDD	235		5.454					
70 4,4'-DDT	235	5.683	5.683	0.0	97	804109	0	

QC Flag Legend

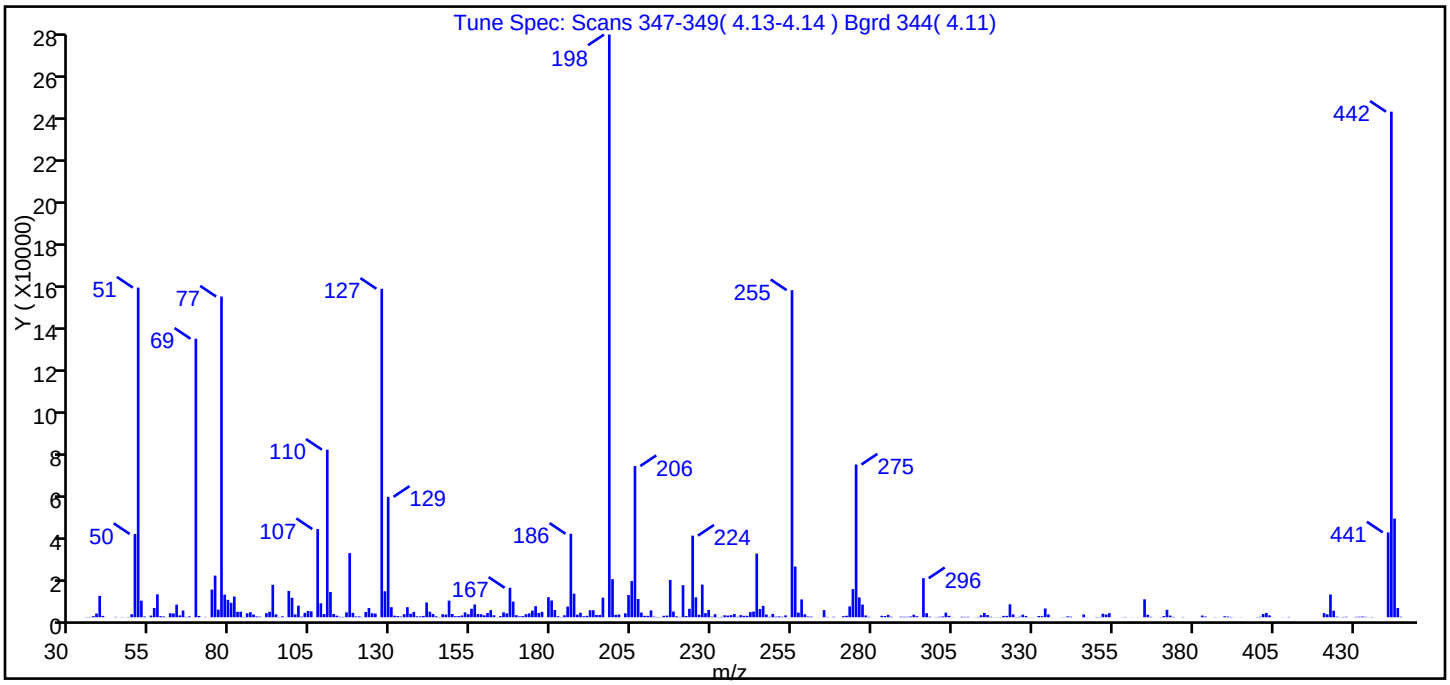
Processing Flags
4 - Failed Signal Ratio Test

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D		
Injection Date:	25-Sep-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	193045	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	56.58
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	47.80
70	Less than 2.00% of mass 69	0.23 (0.49)
127	40.00 - 60.00% of mass 198	56.37
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.54
275	10.00 - 30.00% of mass 198	26.21
365	Greater than 1.00% of mass 198	3.08
441	Present, but less than mass 443%	14.56 (85.99)
442	Greater than 40.00% of mass 198	86.77
443	17.00 - 23.00% of mass 442	16.93 (19.52)

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 25-Sep-2013 11:54:30
Spectrum: Tune Spec: Scans 347-349(4.13-4.14) Bgrd 344(4.11)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 335

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	122	129.00	56784	215.00	702	313.00	160
36.00	139	130.00	4761	216.00	792	314.00	938
37.00	537	131.00	749	217.00	17560	315.00	2025
38.00	1749	132.00	568	218.00	2695	316.00	1040
39.00	10068	133.00	330	219.00	457	317.00	223
40.00	650	134.00	1409	220.00	158	318.00	58
41.00	29	135.00	4754	221.00	15124	319.00	73
44.00	179	136.00	1652	222.00	593	320.00	124
46.00	105	137.00	2509	223.00	3993	321.00	642
48.00	143	138.00	445	224.00	38488	322.00	654
49.00	1405	139.00	431	225.00	9418	323.00	6114
50.00	39272	140.00	631	226.00	1166	324.00	1325
51.00	155456	141.00	6960	227.00	15399	325.00	122
52.00	7839	142.00	2636	228.00	1946	326.00	236
53.00	333	143.00	1515	229.00	3441	327.00	1198
55.00	778	144.00	462	230.00	292	328.00	610
56.00	4389	145.00	123	231.00	1417	329.00	71
57.00	10803	146.00	1414	232.00	104	330.00	52
58.00	498	147.00	1252	233.00	192	332.00	580
59.00	379	148.00	7858	234.00	913	333.00	498
60.00	58	149.00	1537	235.00	798	334.00	4149
61.00	1910	150.00	497	236.00	986	335.00	1326
62.00	1795	151.00	555	237.00	1516	336.00	60
63.00	5944	152.00	831	238.00	214	339.00	71
64.00	873	153.00	2280	239.00	997	340.00	78
65.00	3171	154.00	1430	240.00	696	341.00	421
66.00	165	155.00	3997	241.00	721	342.00	286
67.00	422	156.00	6013	242.00	2415	346.00	1295
69.00	131328	157.00	1524	243.00	2684	347.00	61
70.00	643	158.00	1434	244.00	30048	350.00	147
71.00	12	159.00	922	245.00	3913	351.00	110
72.00	152	160.00	2012	246.00	5373	352.00	1664
74.00	13063	161.00	3355	247.00	1276	353.00	1305

Report Date: 26-Sep-2013 08:36:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 25-Sep-2013 11:54:30
Spectrum: Tune Spec: Scans 347-349(4.13-4.14) Bgrd 344(4.11)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 335

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	19640	162.00	939	248.00	218	354.00	1929
76.00	3579	163.00	82	249.00	1576	358.00	50
77.00	151232	164.00	539	250.00	295	359.00	161
78.00	10654	165.00	2307	251.00	420	361.00	62
79.00	8220	166.00	1841	252.00	222	363.00	51
80.00	6822	167.00	13901	253.00	882	365.00	8471
81.00	9758	168.00	7397	255.00	154240	366.00	1169
82.00	2568	169.00	970	256.00	23904	367.00	204
83.00	2594	170.00	428	257.00	2170	370.00	92
84.00	150	171.00	552	258.00	8408	371.00	548
85.00	1833	172.00	1425	259.00	1384	372.00	3508
86.00	2399	173.00	1833	260.00	358	373.00	800
87.00	1283	174.00	3130	261.00	308	374.00	197
88.00	383	175.00	5230	263.00	54	377.00	138
89.00	285	176.00	2010	265.00	3370	383.00	799
91.00	1928	177.00	2559	266.00	164	384.00	332
92.00	2580	178.00	4	267.00	13	387.00	88
93.00	15307	179.00	9458	268.00	229	388.00	54
94.00	1346	180.00	7901	270.00	24	390.00	464
95.00	120	181.00	3395	271.00	525	391.00	346
96.00	448	182.00	487	272.00	703	392.00	167
97.00	34	183.00	106	273.00	5113	393.00	59
98.00	12419	184.00	933	274.00	13276	395.00	74
99.00	9187	185.00	5026	275.00	72024	400.00	81
100.00	1294	186.00	39368	276.00	9342	401.00	248
101.00	5463	187.00	11122	277.00	5970	402.00	1524
102.00	299	188.00	1244	278.00	861	403.00	2031
103.00	2074	189.00	2119	279.00	229	404.00	889
104.00	2982	190.00	452	283.00	668	405.00	58
105.00	2786	191.00	678	284.00	579	408.00	55
107.00	41584	192.00	3315	285.00	1135	410.00	168
108.00	6580	193.00	3320	286.00	240	421.00	1951
109.00	1502	194.00	1111	289.00	275	422.00	1395
110.00	79008	195.00	1089	290.00	241	423.00	10739

Report Date: 26-Sep-2013 08:36:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 25-Sep-2013 11:54:30
Spectrum: Tune Spec: Scans 347-349(4.13-4.14) Bgrd 344(4.11)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 335

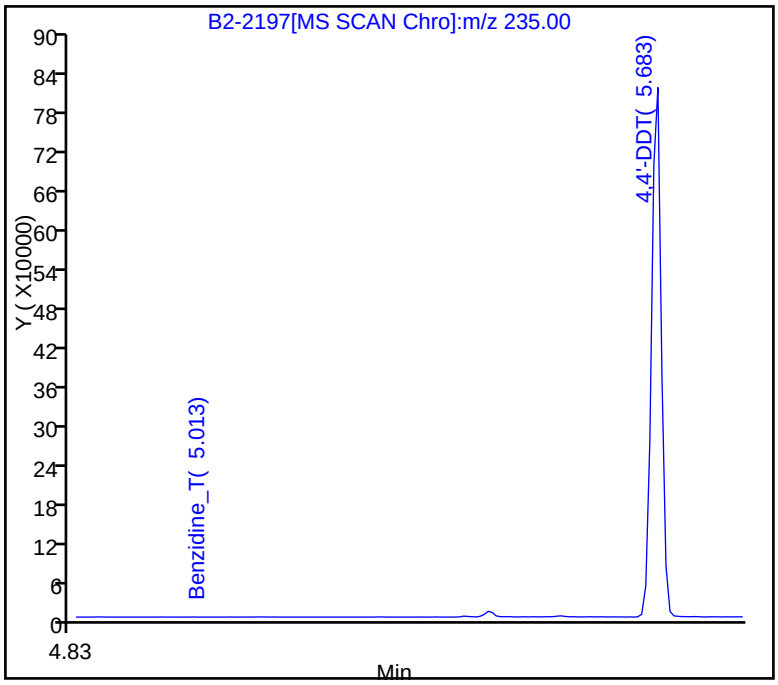
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	11939	196.00	9238	291.00	212	424.00	3068
112.00	1519	198.00	274752	292.00	363	425.00	291
113.00	755	199.00	17976	293.00	1183	426.00	78
114.00	241	200.00	1108	294.00	493	427.00	158
115.00	180	201.00	1275	296.00	18424	428.00	223
116.00	2311	203.00	1845	297.00	1915	431.00	217
117.00	30256	204.00	10478	298.00	276	432.00	266
118.00	2069	205.00	17088	300.00	130	433.00	325
119.00	375	206.00	71296	301.00	230	434.00	205
120.00	409	207.00	8611	302.00	384	435.00	56
121.00	63	208.00	2197	303.00	2154	436.00	143
122.00	2463	209.00	685	304.00	672	441.00	40008
123.00	4329	210.00	678	305.00	82	442.00	238400
124.00	1878	211.00	3224	308.00	245	443.00	46528
125.00	1730	212.00	282	309.00	184	444.00	4370
127.00	154880	213.00	146	310.00	222	445.00	241
128.00	12250	214.00	85	312.00	58		

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D		
Injection Date:	25-Sep-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	193045	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 804109
62 4,4'-DDD, Area = 0
56 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

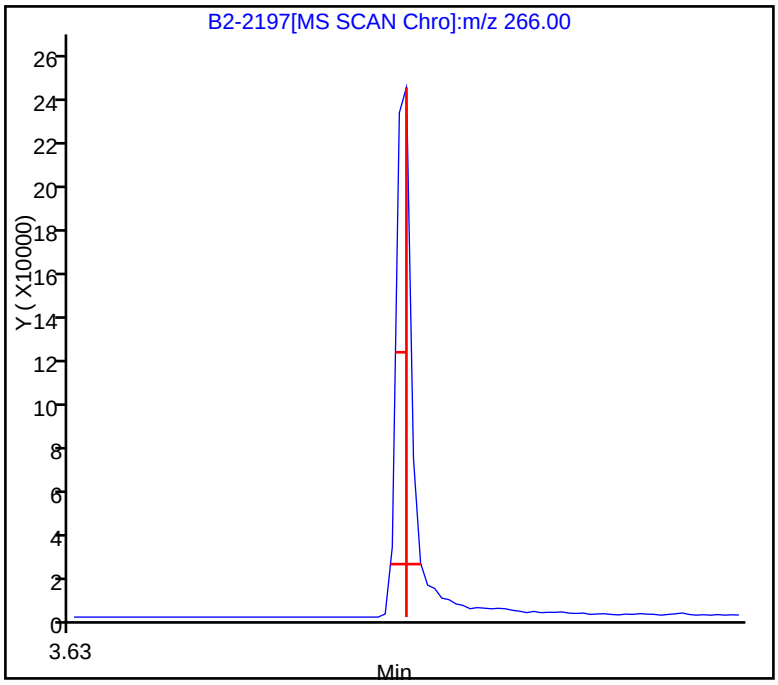
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D

Injection Date:	25-Sep-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	193045	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

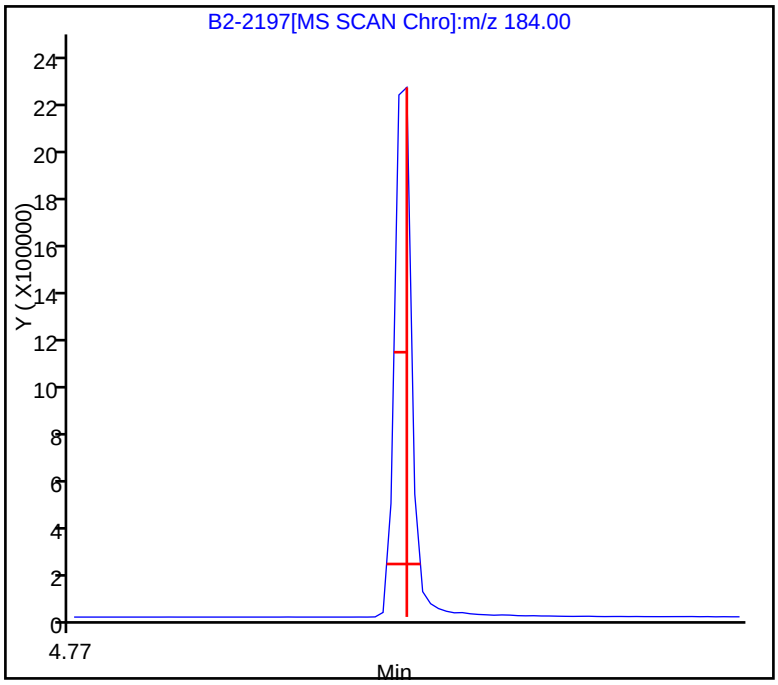
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2197.D

Injection Date:	25-Sep-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	193045	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.7, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-46620-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 280-191495/1-B

Matrix: Solid (TCLP) | Lab File ID: B2-2144.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/17/2013 16:55

Sample wt/vol: 102(mL) | Date Analyzed: 09/20/2013 17:54

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 192457 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.039	U	0.098	0.039	0.0096
15831-10-4	3 & 4 Methylphenol	0.0098	U	0.098	0.0098	0.0025
STL00160	Total Cresols	0.039	U	0.098	0.039	0.0025
106-46-7	1,4-Dichlorobenzene	0.0098	U	0.039	0.0098	0.0031
121-14-2	2,4-Dinitrotoluene	0.039	U	0.098	0.039	0.016
118-74-1	Hexachlorobenzene	0.0098	U	0.098	0.0098	0.0065
87-68-3	Hexachlorobutadiene	0.098	U	0.098	0.098	0.032
67-72-1	Hexachloroethane	0.039	U	0.098	0.039	0.021
98-95-3	Nitrobenzene	0.020	U	0.098	0.020	0.0079
87-86-5	Pentachlorophenol	0.39	U	0.49	0.39	0.20
110-86-1	Pyridine	0.020	U	0.20	0.020	0.011
88-06-2	2,4,6-Trichlorophenol	0.0098	U	0.049	0.0098	0.0027
95-95-4	2,4,5-Trichlorophenol	0.0098	U	0.098	0.0098	0.0043

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	78		49-120
367-12-4	2-Fluorophenol	76		50-120
4165-62-2	Phenol-d5	64		47-120
118-79-6	2,4,6-Tribromophenol	87		51-120
1718-51-0	Terphenyl-d14	91		56-120
4165-60-0	Nitrobenzene-d5	86		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2144.D
Lims ID: LB 280-191495/1-B
Client ID:
Inject. Date: 20-Sep-2013 17:54:30
Dil. Factor: 1.0000
Sample Type: LB
Sample ID: LB280-191495_1-B
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 7
Lims Batch ID: 192457
Lims Sample ID: 29
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15540.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Sep-2013 08:20:29
Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK001

First Level Reviewer: kiekeld
Date: 23-Sep-2013 07:57:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.792	4.796	-0.004	92	314993	40.0	
* 2 Naphthalene-d8	136	6.031	6.035	-0.004	99	1236968	40.0	
* 3 Acenaphthene-d10	164	7.800	7.804	-0.004	99	720001	40.0	
* 4 Phenanthrene-d10	188	9.310	9.320	-0.010	99	1264161	40.0	
* 5 Chrysene-d12	240	13.799	13.820	-0.021	75	1314556	40.0	
* 6 Perylene-d12	264	18.047	18.063	-0.016	98	1222679	40.0	
$ 7 2-Fluorophenol	112	3.617	3.621	-0.005	98	830521	75.7	
$ 8 Phenol-d5	99	4.433	4.431	0.002	99	882831	64.4	
$ 9 Nitrobenzene-d5	82	5.320	5.325	-0.004	98	1004869	86.3	
$ 10 2,4,6-Trichlorophenol-d2	198		6.898					
$ 11 2-Fluorobiphenyl	172	7.089	7.093	-0.004	82	1844330	78.2	
$ 12 2,4,6-Tribromophenol	330	8.605	8.609	-0.004	96	275958	86.9	
$ 13 Terphenyl-d14	244	11.437	11.441	-0.004	99	2397665	91.4	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86	2.089	2.062	0.027	30	30440	0	
18 2-Ethoxyethanol	59		2.234					9
19 1,4-Dioxane	88		2.263					
20 N-Nitrosodimethylamine	74		2.504					9
21 Pyridine	79		2.551					
22 Dimethylformamide	73		2.777					9
23 2-Picoline	93		3.210					
24 N-Nitrosomethylethylamine	88		3.287					
25 Acrylamide	71		3.475					
26 Methyl methanesulfonate	80		3.527					
27 N-Nitrosodiethylamine	102		3.868					
28 Pentachlorophenol_T	266		3.935					
29 Ethyl methanesulfonate	79		4.109					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.440					
32 Phenol	94		4.443					
33 Phenylmercaptan	110		4.346					
34 Aniline	93		4.490					
35 Alpha Methyl Styrene	118		4.520					
36 Bis(2-chloroethyl)ether	93		4.520					
37 Pentachloroethane	117		4.579					
38 n-Decane	43		4.572					
39 2-Chlorophenol	128		4.608					
40 1,3-Dichlorobenzene	146		4.743					
41 Methyl styrene	118	4.792	4.702	0.090	32	3900	0	
42 1,4-Dichlorobenzene	146		4.813					
43 Benzyl alcohol	108		4.907					9
44 1,2-Dichlorobenzene	146		4.960					
45 2-Methylphenol	108		5.007					
46 2,2'-oxybis[1-chloropropane]	45		5.013					
47 Indene	116		5.042					
48 Benzidine_T	184		5.074					
49 3 & 4 Methylphenol	108		5.154					9
50 3-Methylphenol	108		5.154					9
51 4-Methylphenol	108		5.154					9
52 N-Nitrosodi-n-propylamine	70		5.148					
53 N-Nitrosopyrrolidine	100		5.190					
54 Acetophenone	105		5.166					
55 N-Nitrosomorpholine	116		5.220					
56 4,4'-DDE	246		5.137					
57 2-Toluidine	106		5.237					
58 Hexachloroethane	117		5.283					
59 Nitrobenzene	77		5.348					
60 Triethyl phosphate	99		5.303					9
61 N-Nitrosopiperidine	114		5.525					9
62 4,4'-DDD	235		5.454					
63 Isophorone	82		5.560					
64 2-Nitrophenol	139		5.654					
65 2,4-Dimethylphenol	107		5.665					
66 Benzyl dichloride	125		5.577					
67 o,o',o''-Triethylphosphorothioat	198		5.731					
68 Benzoic acid	105		5.771					
69 Bis(2-chloroethoxy)methane	93		5.748					
70 4,4'-DDT	235		5.762					
71 3,5-Dimethylphenol	107		5.795					9
72 2,4-Xylidine	121		5.742					
73 alpha,alpha-Dimethyl phenethylam	58		5.866					9
74 2,4-Dichlorophenol	162		5.894					
75 o-Anisidine	80		5.782					
76 1,2,4-Trichlorobenzene	180		5.965					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.915					9
79 Naphthalene	128		6.053					
80 4-Chloroaniline	127		6.100					
81 2,6-Dichlorophenol	162		6.130					
82 Hexachloropropene	213		6.166					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225		6.147					9
84 Quinoline	129		6.418					
85 N-Nitrosodi-n-butylamine	84		6.424					9
86 Caprolactam	55		6.447					
87 p-Phenylene diamine	108		6.477					
88 5-Methyl-o-Anisidine	122		6.400					
89 4-Chloro-3-methylphenol	107		6.576					
90 Safrole, Total	162		6.659					
91 Carbofuran phenol	164		6.538					
92 1,3-phenylenediamine	108		6.542					
93 2-Methylnaphthalene	142		6.735					
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.691					9
96 1-Methylnaphthalene	142		6.840					
97 Hexachlorocyclopentadiene	237		6.882					
98 1,2,4,5-Tetrachlorobenzene	216		6.905					
99 Isosafrole Peak 1	162		6.953					
100 2,4,6-Trichlorophenol	196		7.023					
101 2,3-Dichlorobenzenamine	161		7.028					
102 2,4,5-Trichlorophenol	196		7.075					
103 Isosafrole Peak 2	104		7.182					
104 1,1'-Biphenyl	154		7.199					
105 Toluene diamine (2,4- + 2,6- iso	122		7.098					4
106 2-Chloronaphthalene	162		7.234					
107 1-Chloronaphthalene	162		7.294					
108 2-Nitroaniline	65		7.346					
109 1,4-Naphthoquinone	158		7.446					
110 1,4-Dinitrobenzene	168		7.499					
111 Dimethyl phthalate	163		7.487					
112 1,3-Dinitrobenzene	168		7.551					
113 2,6-Dinitrotoluene	165		7.569					
114 Acenaphthylene	152		7.663					
115 3-Nitroaniline	138		7.763					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.854					
117 Acenaphthene	153		7.833					
118 2,4-Dinitrophenol	184		7.863					
119 4-Nitrophenol	109		7.939					9
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.966					
121 Pentachlorobenzene	250		7.993					
122 2,4-Dinitrotoluene	165		7.986					
123 Dibenzofuran	168		8.010					
124 1-Naphthylamine	143		8.122					
125 2,3,4,6-Tetrachlorophenol	232		8.133					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.159					
127 Hexadecane	57		8.151					
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.195					
129 2-Naphthylamine	143		8.204					
130 Diethyl phthalate	149		8.186					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.271					
133 Thionazin	97		8.304					
134 4-Chlorophenyl phenyl ether	204		8.333					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.356					
136 Tributyl phosphate	99	8.358	8.264	0.094	53	3527	0	
137 N-Nitro-o-toluidine	152		8.398					
138 4-Nitroaniline	138		8.392					
139 4,6-Dinitro-2-methylphenol	198		8.397					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.424					
141 N-Nitrosodiphenylamine	169		8.456					
142 Diphenylamine	169		8.486					
143 1,2-Diphenylhydrazine	77		8.497					
144 Azobenzene	77		8.497					
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.524					
146 Sulfotepp	97		8.586					
147 2,4,6 - Tribromophenol	330		8.609					
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.641					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.745					
151 1,3,5-Trinitrobenzene	213		8.745					
152 Phorate	121		8.762					
153 Phenacetin	108		8.780					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.794					
155 Diallate Peak 2	86		8.845					
156 4-Bromophenyl phenyl ether	248		8.832					
157 Hexachlorobenzene	284		8.914					
158 Dimethoate	87		8.956					
159 Atrazine	200		8.973					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		9.035					
161 n-Octadecane	85		9.079					
162 4-Aminobiphenyl	169		9.138					
163 Pentachlorophenol	266		9.120					
164 Pentachloronitrobenzene	237		9.150					
165 Pronamide	173		9.150					
166 Disulfoton	88		9.285					9
167 Dinoseb	211		9.297					
168 Phenanthrene	178		9.343					9
169 Anthracene	178		9.396					9
170 Carbazole	167		9.567					
171 Alachlor	188		9.655					9
172 Methyl parathion	109		9.708					
173 Di-n-butyl phthalate	149		9.872					9
174 Ethyl Parathion	109		10.161					
175 4-Nitroquinoline-1-oxide	190		10.296					
176 Methapyrilene	97		10.319					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.648					
179 Fluoranthene	202		10.847					
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		11.053					
182 Pyrene	202		11.229					
183 Aramite Peak 1	185		11.395					9
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.536					9
186 p-Dimethylamino azobenzene	120		11.759					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.818					
188 Famphur	218		12.293					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.399					
191 3,3'-Dimethylbenzidine	212		12.482					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		13.069					
195 Bis(2-ethylhexyl) phthalate	149		13.791					
196 4,4'-Methylene bis(2-chloroanili	231		13.821					
197 3,3'-Dichlorobenzidine	252		13.762					
198 Benzo[a]anthracene	228		13.785					9
199 Chrysene	228		13.891					9
200 6-Methylchrysene	242		15.208					
201 Di-n-octyl phthalate	149		15.718					9
202 7,12-Dimethylbenz(a)anthracene	256		16.947					
203 Benzo[b]fluoranthene	252		16.876					
204 Benzo[k]fluoranthene	252		16.964					
205 Hexachlorophene	196		12.326					
206 Benzo[e]pyrene	252		17.728					9
207 Benzo[a]pyrene	252		17.886					9
208 Perylene	252		17.757					
209 3-Methylcholanthrene	268		19.056					
210 Tris(2,3-dibromopropyl)phosphate	119		19.220					9
211 Dibenz[a,h]acridine	279		20.737					
212 Dibenz[a,j]acridine	279		20.895					
213 Dibenz(a,h)anthracene	278		21.388					
214 Indeno[1,2,3-cd]pyrene	276		21.306					
215 Benzo[g,h,i]perylene	276		22.087					
216 Dibenzo[a,e]pyrene	302		25.915					
S 217 Total Cresols	108		15.496					7
S 218 Methyl Phenols,Total	108		15.496					7
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					1
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					1
T 225 2,6-Dimethylphenol	1		0.000					1
T 226 Octadecane (TIC)	1		0.000					1
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					1
T 228 Pentachlorodibenzofurans TIC	1		0.000					1
T 229 Hexachlorodibenzofurans TIC	1		0.000					1
T 230 Tetrachlorodibenzofurans TIC	1		0.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

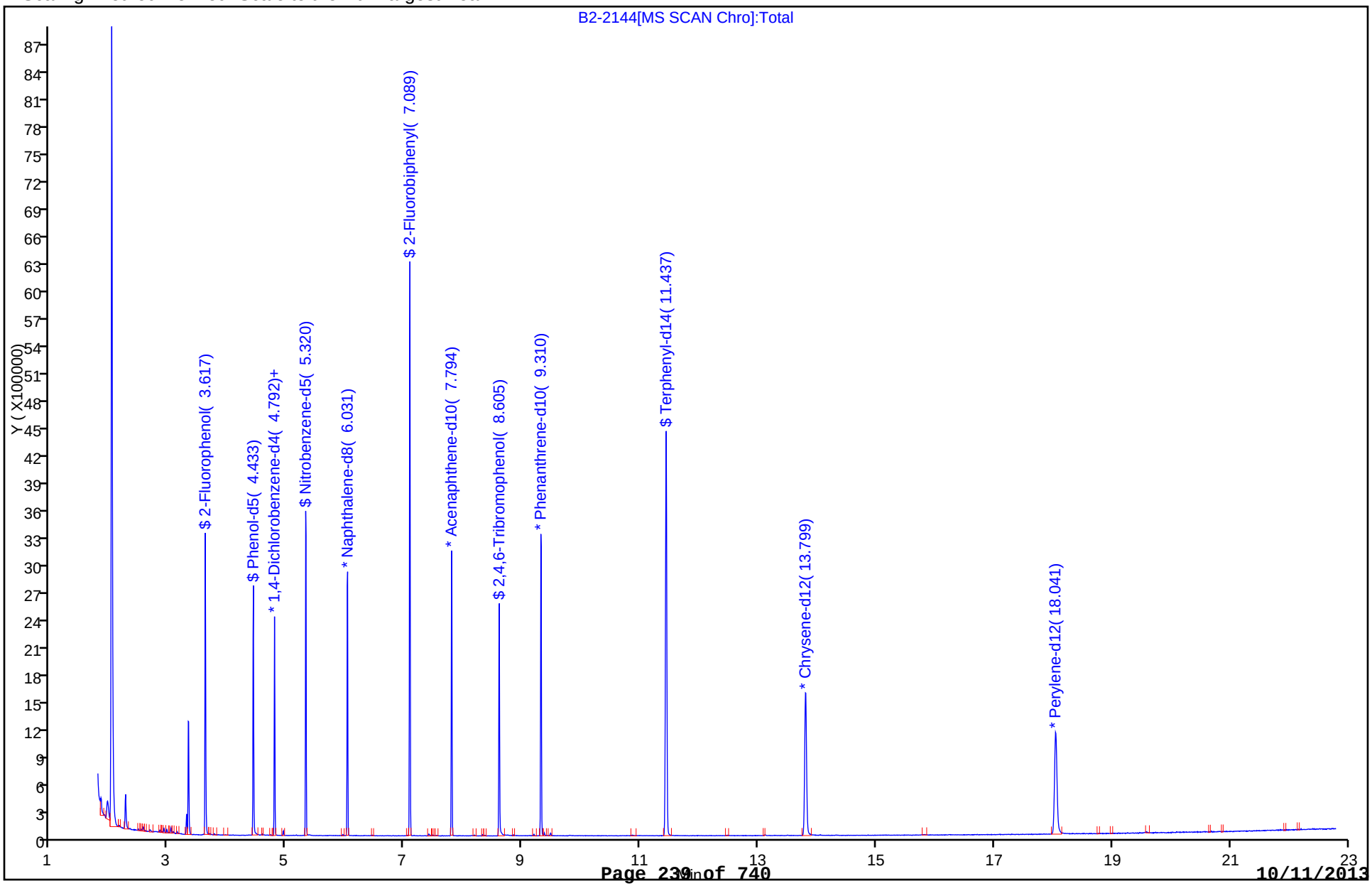
Report Date: 23-Sep-2013 08:20:36 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2144.D

Injection Date:	20-Sep-2013 17:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-46620-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-191495/2-B

Matrix: Solid (TCLP) | Lab File ID: B2-2145.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/17/2013 16:55

Sample wt/vol: 104(mL) | Date Analyzed: 09/20/2013 18:23

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 192457 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.332		0.096	0.038	0.0094
15831-10-4	3 & 4 Methylphenol	0.700		0.096	0.0096	0.0024
STL00160	Total Cresols	1.03		0.096	0.038	0.0024
106-46-7	1,4-Dichlorobenzene	0.274		0.038	0.0096	0.0031
121-14-2	2,4-Dinitrotoluene	0.0925	J	0.096	0.038	0.016
118-74-1	Hexachlorobenzene	0.131		0.096	0.0096	0.0063
87-68-3	Hexachlorobutadiene	0.251		0.096	0.096	0.032
67-72-1	Hexachloroethane	0.253		0.096	0.038	0.020
98-95-3	Nitrobenzene	0.344		0.096	0.019	0.0078
87-86-5	Pentachlorophenol	0.664		0.48	0.38	0.19
110-86-1	Pyridine	0.131	J	0.19	0.019	0.011
88-06-2	2,4,6-Trichlorophenol	0.348		0.048	0.0096	0.0027
95-95-4	2,4,5-Trichlorophenol	0.357		0.096	0.0096	0.0042

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	70		49-120
367-12-4	2-Fluorophenol	68		50-120
4165-62-2	Phenol-d5	60		47-120
118-79-6	2,4,6-Tribromophenol	77		51-120
1718-51-0	Terphenyl-d14	91		56-120
4165-60-0	Nitrobenzene-d5	74		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2145.D
Lims ID: LCS 280-191495/2-B Client ID:
Inject. Date: 20-Sep-2013 18:23:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS280-191495_2-B
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 8
Lims Batch ID: 192457 Lims Sample ID: 30
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15540.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Sep-2013 08:20:29 Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK001

First Level Reviewer: kiekeld Date: 23-Sep-2013 07:57:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.790	4.796	-0.006	91	315104	40.0	
* 2 Naphthalene-d8	136	6.030	6.035	-0.005	99	1261676	40.0	
* 3 Acenaphthene-d10	164	7.798	7.804	-0.006	100	727291	40.0	
* 4 Phenanthrene-d10	188	9.314	9.320	-0.006	99	1229765	40.0	
* 5 Chrysene-d12	240	13.803	13.820	-0.017	73	1259280	40.0	
* 6 Perylene-d12	264	18.039	18.063	-0.024	98	1170281	40.0	
$ 7 2-Fluorophenol	112	3.615	3.621	-0.006	98	748607	68.2	
$ 8 Phenol-d5	99	4.432	4.431	0.001	94	816055	59.5	
$ 9 Nitrobenzene-d5	82	5.325	5.325	0.001	98	881105	74.2	
$ 11 2-Fluorobiphenyl	172	7.087	7.093	-0.006	99	1675563	70.3	
$ 12 2,4,6-Tribromophenol	330	8.603	8.609	-0.006	94	245725	76.6	
$ 13 Terphenyl-d14	244	11.435	11.441	-0.006	99	2289745	91.1	
21 Pyridine	79	2.557	2.551	0.006	99	175330	13.6	
42 1,4-Dichlorobenzene	146	4.808	4.813	-0.005	97	364132	28.5	
45 2-Methylphenol	108	5.007	5.007	0.0	68	357395	34.5	
49 3 & 4 Methylphenol	108	5.148	5.154	-0.006	67	789844	72.8	
50 3-Methylphenol	108	5.148	5.154	-0.006	97	789844	72.8	
51 4-Methylphenol	108	5.148	5.154	-0.006	94	789844	72.8	
58 Hexachloroethane	117	5.278	5.283	-0.005	96	122460	26.4	
59 Nitrobenzene	77	5.342	5.348	-0.006	99	426572	35.8	
83 Hexachlorobutadiene	225	6.147	6.147	0.0	98	138994	26.1	
100 2,4,6-Trichlorophenol	196	7.017	7.023	-0.005	82	218678	36.1	
102 2,4,5-Trichlorophenol	196	7.076	7.075	0.001	97	244848	37.1	
122 2,4-Dinitrotoluene	165	7.975	7.986	-0.011	89	67244	9.62	
147 2,4,6 - Tribromophenol	330	8.603	8.609	-0.006	94	245566	76.0	
157 Hexachlorobenzene	284	8.909	8.914	-0.005	96	108208	13.7	
163 Pentachlorophenol	266	9.114	9.120	-0.006	96	261865	69.1	

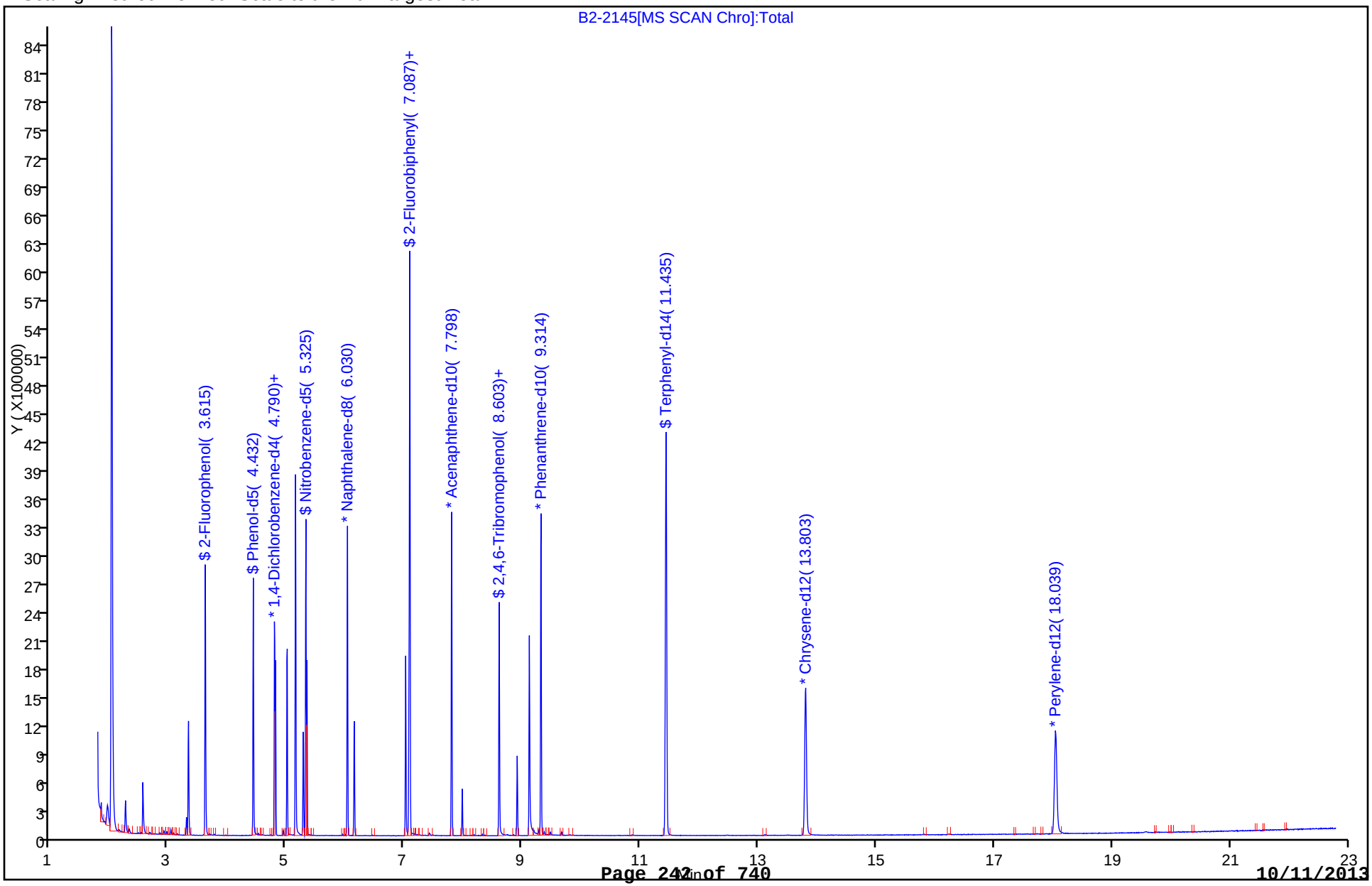
Report Date: 23-Sep-2013 08:20:37 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2145.D

Injection Date:	20-Sep-2013 18:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	30
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-46620-1

SDG No.:

Client Sample ID: AOI474TCLP02AA MS | Lab Sample ID: 280-46620-1 MS

Matrix: Solid (TCLP) | Lab File ID: B2-2162.D

Analysis Method: 8270C | Date Collected: 09/12/2013 10:30

Extract. Method: 3510C | Date Extracted: 09/17/2013 16:55

Sample wt/vol: 104(mL) | Date Analyzed: 09/21/2013 02:56

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 192457 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.404		0.096	0.038	0.0094
15831-10-4	3 & 4 Methylphenol	0.832		0.096	0.0096	0.0024
STL00160	Total Cresols	1.24		0.096	0.038	0.0024
106-46-7	1,4-Dichlorobenzene	0.317		0.038	0.0096	0.0031
121-14-2	2,4-Dinitrotoluene	0.118		0.096	0.038	0.016
118-74-1	Hexachlorobenzene	0.143		0.096	0.0096	0.0063
87-68-3	Hexachlorobutadiene	0.289		0.096	0.096	0.032
67-72-1	Hexachloroethane	0.291		0.096	0.038	0.020
98-95-3	Nitrobenzene	0.414		0.096	0.019	0.0078
87-86-5	Pentachlorophenol	0.849		0.48	0.38	0.19
110-86-1	Pyridine	0.259		0.19	0.019	0.011
88-06-2	2,4,6-Trichlorophenol	0.429		0.048	0.0096	0.0027
95-95-4	2,4,5-Trichlorophenol	0.434		0.096	0.0096	0.0042

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	82		49-120
367-12-4	2-Fluorophenol	84		50-120
4165-62-2	Phenol-d5	75		47-120
118-79-6	2,4,6-Tribromophenol	94		51-120
1718-51-0	Terphenyl-d14	100		56-120
4165-60-0	Nitrobenzene-d5	90		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2162.D
Lims ID: 280-46620-B-1-C MS
Client ID:
Inject. Date: 21-Sep-2013 02:56:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 280-46620-B-1-CMS
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 25
Lims Batch ID: 192457
Lims Sample ID: 47
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130920-15540.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Sep-2013 08:20:29
Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: RT Order ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK001

First Level Reviewer: kiekeld
Date: 23-Sep-2013 08:19:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.793	4.796	-0.003	94	329083	40.0	
* 2 Naphthalene-d8	136	6.027	6.035	-0.008	99	1295241	40.0	
* 3 Acenaphthene-d10	164	7.795	7.804	-0.009	99	746402	40.0	
* 4 Phenanthrene-d10	188	9.311	9.320	-0.009	98	1237636	40.0	
* 5 Chrysene-d12	240	13.800	13.820	-0.020	75	1286921	40.0	
* 6 Perylene-d12	264	18.042	18.063	-0.021	98	1217077	40.0	
$ 7 2-Fluorophenol	112	3.618	3.621	-0.003	97	966679	84.3	
$ 8 Phenol-d5	99	4.429	4.431	-0.002	99	1067924	74.6	
$ 9 Nitrobenzene-d5	82	5.322	5.325	-0.002	97	1101044	90.3	
$ 10 2,4,6-Trichlorophenol-d2	198		6.898					
$ 11 2-Fluorobiphenyl	172	7.084	7.093	-0.009	99	2012287	82.3	
$ 12 2,4,6-Tribromophenol	330	8.606	8.609	-0.003	98	308637	93.8	
$ 13 Terphenyl-d14	244	11.432	11.441	-0.009	99	2576943	100.3	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		2.062					
18 2-Ethoxyethanol	59		2.234					
19 1,4-Dioxane	88		2.263					
20 N-Nitrosodimethylamine	74		2.504					
21 Pyridine	79	2.560	2.551	0.009	99	361670	26.9	
22 Dimethylformamide	73		2.777					
23 2-Picoline	93		3.210					
24 N-Nitrosomethylethylamine	88		3.287					
25 Acrylamide	71		3.475					
26 Methyl methanesulfonate	80		3.527					
27 N-Nitrosodiethylamine	102		3.868					
28 Pentachlorophenol_T	266		3.935					
29 Ethyl methanesulfonate	79		4.109					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.440					
32 Phenol	94		4.443					
33 Phenylmercaptan	110		4.346					
34 Aniline	93		4.490					
35 Alpha Methyl Styrene	118		4.520					
36 Bis(2-chloroethyl)ether	93		4.520					
37 Pentachloroethane	117		4.579					
38 n-Decane	43		4.572					
39 2-Chlorophenol	128		4.608					
40 1,3-Dichlorobenzene	146		4.743					
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146	4.810	4.813	-0.003	98	439637	32.9	
43 Benzyl alcohol	108		4.907					
44 1,2-Dichlorobenzene	146		4.960					
45 2-Methylphenol	108	5.004	5.007	-0.003	67	454439	42.1	
46 2,2'-oxybis[1-chloropropane]	45		5.013					
47 Indene	116		5.042					
48 Benzidine_T	184		5.074					
49 3 & 4 Methylphenol	108	5.145	5.154	-0.009	67	981086	86.5	
50 3-Methylphenol	108	5.145	5.154	-0.009	97	981086	86.5	
51 4-Methylphenol	108	5.145	5.154	-0.009	94	981086	86.5	
52 N-Nitrosodi-n-propylamine	70		5.148					
53 N-Nitrosopyrrolidine	100		5.190					
54 Acetophenone	105		5.166					
55 N-Nitrosomorpholine	116		5.220					
56 4,4'-DDE	246		5.137					
57 2-Toluidine	106		5.237					
58 Hexachloroethane	117	5.280	5.283	-0.003	96	146630	30.2	
59 Nitrobenzene	77	5.339	5.348	-0.009	98	527070	43.1	
60 Triethyl phosphate	99		5.303					
61 N-Nitrosopiperidine	114		5.525					
62 4,4'-DDD	235		5.454					
63 Isophorone	82		5.560					
64 2-Nitrophenol	139		5.654					
65 2,4-Dimethylphenol	107		5.665					
66 Benzyl dichloride	125		5.577					
67 o,o',o''-Triethylphosphorothioat	198		5.731					
68 Benzoic acid	105		5.771					
69 Bis(2-chloroethoxy)methane	93		5.748					
70 4,4'-DDT	235		5.762					
71 3,5-Dimethylphenol	107		5.795					
72 2,4-Xylidine	121		5.742					
73 alpha,alpha-Dimethyl phenethylam	58		5.866					
74 2,4-Dichlorophenol	162		5.894					
75 o-Anisidine	80		5.782					
76 1,2,4-Trichlorobenzene	180		5.965					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.915					
79 Naphthalene	128		6.053					
80 4-Chloroaniline	127		6.100					
81 2,6-Dichlorophenol	162		6.130					
82 Hexachloropropene	213		6.166					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225	6.144	6.147	-0.003	96	164404	30.1	
84 Quinoline	129		6.418					
85 N-Nitrosodi-n-butylamine	84		6.424					
86 Caprolactam	55		6.447					
87 p-Phenylene diamine	108		6.477					
88 5-Methyl-o-Anisidine	122		6.400					
89 4-Chloro-3-methylphenol	107		6.576					
90 Safrole, Total	162		6.659					
91 Carbofuran phenol	164		6.538					
92 1,3-phenylenediamine	108		6.542					
93 2-Methylnaphthalene	142		6.735					
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.691					
96 1-Methylnaphthalene	142		6.840					
97 Hexachlorocyclopentadiene	237		6.882					
98 1,2,4,5-Tetrachlorobenzene	216		6.905					
99 Isosafrole Peak 1	162		6.953					
100 2,4,6-Trichlorophenol	196	7.014	7.023	-0.008	82	277291	44.7	
101 2,3-Dichlorobenzenamine	161		7.028					
102 2,4,5-Trichlorophenol	196	7.072	7.075	-0.003	96	305437	45.1	
103 Isosafrole Peak 2	104		7.182					
104 1,1'-Biphenyl	154		7.199					
105 Toluene diamine (2,4- + 2,6- iso	122		7.098					
106 2-Chloronaphthalene	162		7.234					
107 1-Chloronaphthalene	162		7.294					
108 2-Nitroaniline	65		7.346					
109 1,4-Naphthoquinone	158		7.446					
110 1,4-Dinitrobenzene	168		7.499					
111 Dimethyl phthalate	163		7.487					
112 1,3-Dinitrobenzene	168		7.551					
113 2,6-Dinitrotoluene	165		7.569					
114 Acenaphthylene	152		7.663					
115 3-Nitroaniline	138		7.763					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.854					
117 Acenaphthene	153		7.833					
118 2,4-Dinitrophenol	184		7.863					
119 4-Nitrophenol	109		7.939					
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.966					
121 Pentachlorobenzene	250		7.993					
122 2,4-Dinitrotoluene	165	7.977	7.986	-0.009	92	88338	12.3	
123 Dibenzofuran	168		8.010					
124 1-Naphthylamine	143		8.122					
125 2,3,4,6-Tetrachlorophenol	232		8.133					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.159					
127 Hexadecane	57		8.151					
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.195					
129 2-Naphthylamine	143		8.204					
130 Diethyl phthalate	149		8.186					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.271					
133 Thionazin	97		8.304					
134 4-Chlorophenyl phenyl ether	204		8.333					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.356					
136 Tributyl phosphate	99		8.264					
137 N-Nitro-o-toluidine	152		8.398					
138 4-Nitroaniline	138		8.392					
139 4,6-Dinitro-2-methylphenol	198		8.397					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.424					
141 N-Nitrosodiphenylamine	169		8.456					
142 Diphenylamine	169		8.486					
143 1,2-Diphenylhydrazine	77		8.497					
144 Azobenzene	77		8.497					
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.524					
146 Sulfotepp	97		8.586					
147 2,4,6 - Tribromophenol	330	8.606	8.609	-0.003	98	309062	93.2	
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.641					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.745					
151 1,3,5-Trinitrobenzene	213		8.745					
152 Phorate	121		8.762					
153 Phenacetin	108		8.780					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.794					
155 Diallate Peak 2	86		8.845					
156 4-Bromophenyl phenyl ether	248		8.832					
157 Hexachlorobenzene	284	8.912	8.914	-0.002	96	118183	14.8	
158 Dimethoate	87		8.956					
159 Atrazine	200		8.973					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		9.035					
161 n-Octadecane	85		9.079					
162 4-Aminobiphenyl	169		9.138					
163 Pentachlorophenol	266	9.117	9.120	-0.003	97	349440	88.3	
164 Pentachloronitrobenzene	237		9.150					
165 Pronamide	173		9.150					
166 Disulfoton	88		9.285					
167 Dinoseb	211		9.297					
168 Phenanthrene	178		9.343					
169 Anthracene	178		9.396					
170 Carbazole	167		9.567					
171 Alachlor	188		9.655					
172 Methyl parathion	109		9.708					
173 Di-n-butyl phthalate	149		9.872					
174 Ethyl Parathion	109		10.161					
175 4-Nitroquinoline-1-oxide	190		10.296					
176 Methapyrilene	97		10.319					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.648					
179 Fluoranthene	202		10.847					
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		11.053					
182 Pyrene	202		11.229					
183 Aramite Peak 1	185		11.395					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.536					
186 p-Dimethylamino azobenzene	120		11.759					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.818					
188 Famphur	218		12.293					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.399					
191 3,3'-Dimethylbenzidine	212		12.482					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		13.069					
195 Bis(2-ethylhexyl) phthalate	149		13.791					
196 4,4'-Methylene bis(2-chloroanili	231		13.821					
197 3,3'-Dichlorobenzidine	252		13.762					
198 Benzo[a]anthracene	228		13.785					
199 Chrysene	228		13.891					
200 6-Methylchrysene	242		15.208					
201 Di-n-octyl phthalate	149		15.718					
202 7,12-Dimethylbenz(a)anthracene	256		16.947					
203 Benzo[b]fluoranthene	252		16.876					
204 Benzo[k]fluoranthene	252		16.964					
205 Hexachlorophene	196		12.326					
206 Benzo[e]pyrene	252		17.728					
207 Benzo[a]pyrene	252		17.886					
208 Perylene	252		17.757					
209 3-Methylcholanthrene	268		19.056					
210 Tris(2,3-dibromopropyl)phosphate	119		19.220					
211 Dibenz[a,h]acridine	279		20.737					
212 Dibenz[a,j]acridine	279		20.895					
213 Dibenz(a,h)anthracene	278		21.388					
214 Indeno[1,2,3-cd]pyrene	276		21.306					
215 Benzo[g,h,i]perylene	276		22.087					
216 Dibenzo[a,e]pyrene	302		25.915					
S 217 Total Cresols	108				0		128.6	
S 218 Methyl Phenols,Total	108				0		128.6	
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

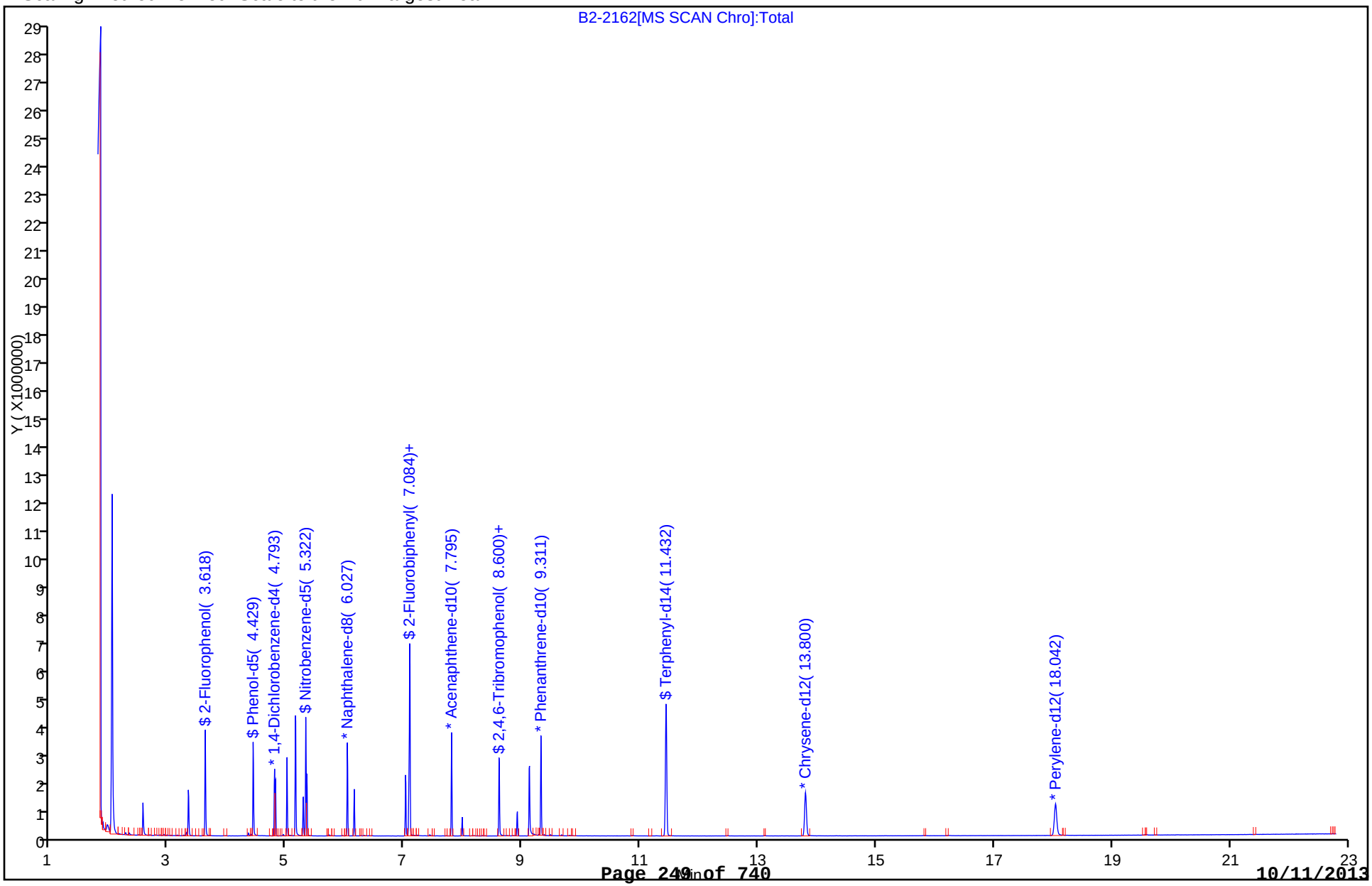
Report Date: 23-Sep-2013 08:20:55 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130920-15540.b\B2-2162.D

Injection Date:	21-Sep-2013 02:56:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	192457	Lims Sample ID:	47
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-46620-1

SDG No.:

Client Sample ID: AOI474TCLP02AA MSD | Lab Sample ID: 280-46620-1 MSD

Matrix: Solid (TCLP) | Lab File ID: B2-2203.D

Analysis Method: 8270C | Date Collected: 09/12/2013 10:30

Extract. Method: 3510C | Date Extracted: 09/17/2013 16:55

Sample wt/vol: 102(mL) | Date Analyzed: 09/25/2013 14:30

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 193045 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.397		0.098	0.039	0.0096
15831-10-4	3 & 4 Methylphenol	0.806		0.098	0.0098	0.0025
STL00160	Total Cresols	1.20		0.098	0.039	0.0025
106-46-7	1,4-Dichlorobenzene	0.309		0.039	0.0098	0.0031
121-14-2	2,4-Dinitrotoluene	0.114		0.098	0.039	0.016
118-74-1	Hexachlorobenzene	0.139		0.098	0.0098	0.0065
87-68-3	Hexachlorobutadiene	0.282		0.098	0.098	0.032
67-72-1	Hexachloroethane	0.285		0.098	0.039	0.021
98-95-3	Nitrobenzene	0.405		0.098	0.020	0.0079
87-86-5	Pentachlorophenol	0.791		0.49	0.39	0.20
110-86-1	Pyridine	0.0954	J	0.20	0.020	0.011
88-06-2	2,4,6-Trichlorophenol	0.407		0.049	0.0098	0.0027
95-95-4	2,4,5-Trichlorophenol	0.396		0.098	0.0098	0.0043

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	75		49-120
367-12-4	2-Fluorophenol	79		50-120
4165-62-2	Phenol-d5	70		47-120
118-79-6	2,4,6-Tribromophenol	85		51-120
1718-51-0	Terphenyl-d14	90		56-120
4165-60-0	Nitrobenzene-d5	86		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2203.D
Lims ID: 280-46620-B-1-D MSD
Client ID:
Inject. Date: 25-Sep-2013 14:30:30
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 280-46620-B-1-DMSD
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 7
Lims Batch ID: 193045
Lims Sample ID: 32
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20130925-15676.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 26-Sep-2013 08:36:06
Calib Date: 20-Sep-2013 11:52:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20130920-15516.b\B2-2134.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK033

First Level Reviewer: kiekeld
Date: 26-Sep-2013 08:14:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.785	4.787	-0.002	92	325388	40.0	
* 2 Naphthalene-d8	136	6.024	6.027	-0.003	99	1291526	40.0	
* 3 Acenaphthene-d10	164	7.793	7.795	-0.002	99	758358	40.0	
* 4 Phenanthrene-d10	188	9.309	9.311	-0.002	99	1259771	40.0	
* 5 Chrysene-d12	240	13.786	13.800	-0.014	72	1309619	40.0	
* 6 Perylene-d12	264	18.028	18.036	-0.008	97	1240022	40.0	
$ 7 2-Fluorophenol	112	3.604	3.606	-0.002	97	898758	79.3	
$ 8 Phenol-d5	99	4.426	4.423	0.003	99	996526	70.4	
$ 9 Nitrobenzene-d5	82	5.319	5.322	-0.003	98	1045512	86.0	
$ 10 2,4,6-Trichlorophenol-d2	198		6.898					
$ 11 2-Fluorobiphenyl	172	7.082	7.084	-0.002	99	1854599	74.7	
$ 12 2,4,6-Tribromophenol	330	8.598	8.600	-0.002	94	284043	84.9	
$ 13 Terphenyl-d14	244	11.424	11.426	-0.002	99	2351101	90.0	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		2.062					
18 2-Ethoxyethanol	59		2.234					
19 1,4-Dioxane	88		2.225					
20 N-Nitrosodimethylamine	74		2.472					
21 Pyridine	79	2.534	2.519	0.015	98	129168	9.73	
22 Dimethylformamide	73		2.777					
23 2-Picoline	93		3.210					
24 N-Nitrosomethylethylamine	88		3.287					
25 Acrylamide	71		3.475					
26 Methyl methanesulfonate	80		3.527					
27 N-Nitrosodiethylamine	102		3.868					
28 Pentachlorophenol_T	266		3.908					
29 Ethyl methanesulfonate	79		4.109					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.440					
32 Phenol	94		4.440					
33 Phenylmercaptan	110		4.346					
34 Aniline	93		4.482					
35 Alpha Methyl Styrene	118		4.505					
36 Bis(2-chloroethyl)ether	93		4.511					
37 Pentachloroethane	117		4.579					
38 n-Decane	43		4.564					
39 2-Chlorophenol	128		4.599					
40 1,3-Dichlorobenzene	146		4.734					
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146	4.802	4.805	-0.003	98	415740	31.5	
43 Benzyl alcohol	108		4.905					
44 1,2-Dichlorobenzene	146		4.952					
45 2-Methylphenol	108	5.002	5.004	-0.002	69	432762	40.5	
46 2,2'-oxybis[1-chloropropane]	45		5.004					
47 Indene	116		5.034					
48 Benzidine_T	184		5.019					
49 3 & 4 Methylphenol	108	5.143	5.145	-0.002	69	921415	82.2	
50 3-Methylphenol	108	5.143	5.145	-0.002	96	921415	82.2	
51 4-Methylphenol	108	5.143	5.145	-0.002	95	921415	82.2	
52 N-Nitrosodi-n-propylamine	70		5.140					
53 N-Nitrosopyrrolidine	100		5.190					
54 Acetophenone	105		5.163					
55 N-Nitrosomorpholine	116		5.220					
56 4,4'-DDE	246		5.137					
57 2-Toluidine	106		5.237					
58 Hexachloroethane	117	5.272	5.275	-0.003	96	139434	29.1	
59 Nitrobenzene	77	5.337	5.339	-0.002	99	503578	41.3	
60 Triethyl phosphate	99		5.303					
61 N-Nitrosopiperidine	114		5.525					
62 4,4'-DDD	235		5.454					
63 Isophorone	82		5.551					
64 2-Nitrophenol	139		5.645					
65 2,4-Dimethylphenol	107		5.657					
66 Benzyl dichloride	125		5.577					
67 o,o',o''-Triethylphosphorothioat	198		5.731					
68 Benzoic acid	105		5.762					
69 Bis(2-chloroethoxy)methane	93		5.739					
70 4,4'-DDT	235		5.683					
71 3,5-Dimethylphenol	107		5.792					
72 2,4-Xylidine	121		5.742					
73 alpha,alpha-Dimethyl phenethylam	58		5.866					
74 2,4-Dichlorophenol	162		5.886					
75 o-Anisidine	80		5.782					
76 1,2,4-Trichlorobenzene	180		5.962					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.915					
79 Naphthalene	128		6.050					
80 4-Chloroaniline	127		6.091					
81 2,6-Dichlorophenol	162		6.130					
82 Hexachloropropene	213		6.166					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225	6.142	6.144	-0.002	97	157147	28.8	
84 Quinoline	129		6.418					
85 N-Nitrosodi-n-butylamine	84		6.424					
86 Caprolactam	55		6.438					
87 p-Phenylene diamine	108		6.477					
88 5-Methyl-o-Anisidine	122		6.400					
89 4-Chloro-3-methylphenol	107		6.567					
90 Safrole, Total	162		6.659					
91 Carbofuran phenol	164		6.538					
92 1,3-phenylenediamine	108		6.542					
93 2-Methylnaphthalene	142		6.732					
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.691					
96 1-Methylnaphthalene	142		6.832					
97 Hexachlorocyclopentadiene	237		6.879					
98 1,2,4,5-Tetrachlorobenzene	216		6.896					
99 Isosafrole Peak 1	162		6.953					
100 2,4,6-Trichlorophenol	196	7.011	7.014	-0.003	81	261711	41.5	
101 2,3-Dichlorobenzenamine	161		7.026					
102 2,4,5-Trichlorophenol	196	7.070	7.073	-0.003	96	277600	40.3	
103 Isosafrole Peak 2	104		7.182					
104 1,1'-Biphenyl	154		7.196					
105 Toluene diamine (2,4- + 2,6- iso	122		7.098					
106 2-Chloronaphthalene	162		7.231					
107 1-Chloronaphthalene	162		7.294					
108 2-Nitroaniline	65		7.337					
109 1,4-Naphthoquinone	158		7.446					
110 1,4-Dinitrobenzene	168		7.499					
111 Dimethyl phthalate	163		7.478					
112 1,3-Dinitrobenzene	168		7.549					
113 2,6-Dinitrotoluene	165		7.566					
114 Acenaphthylene	152		7.654					
115 3-Nitroaniline	138		7.754					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.854					
117 Acenaphthene	153		7.831					
118 2,4-Dinitrophenol	184		7.854					
119 4-Nitrophenol	109		7.936					
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.966					
121 Pentachlorobenzene	250		7.993					
122 2,4-Dinitrotoluene	165	7.975	7.977	-0.002	96	84750	11.6	
123 Dibenzofuran	168		8.001					
124 1-Naphthylamine	143		8.122					
125 2,3,4,6-Tetrachlorophenol	232		8.124					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.159					
127 Hexadecane	57		8.142					
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.195					
129 2-Naphthylamine	143		8.204					
130 Diethyl phthalate	149		8.177					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.271					
133 Thionazin	97		8.304					
134 4-Chlorophenyl phenyl ether	204		8.324					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.348					
136 Tributyl phosphate	99		8.264					
137 N-Nitro-o-toluidine	152		8.398					
138 4-Nitroaniline	138		8.383					
139 4,6-Dinitro-2-methylphenol	198		8.395					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.424					
141 N-Nitrosodiphenylamine	169		8.447					
142 Diphenylamine	169		8.486					
143 1,2-Diphenylhydrazine	77		8.489					
144 Azobenzene	77		8.489					
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.524					
146 Sulfotepp	97		8.586					
147 2,4,6 - Tribromophenol	330	8.598	8.600	-0.002	94	288368	85.5	
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.641					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.745					
151 1,3,5-Trinitrobenzene	213		8.745					
152 Phorate	121		8.762					
153 Phenacetin	108		8.780					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.794					
155 Diallate Peak 2	86		8.845					
156 4-Bromophenyl phenyl ether	248		8.823					
157 Hexachlorobenzene	284	8.903	8.906	-0.003	96	114826	14.2	
158 Dimethoate	87		8.956					
159 Atrazine	200		8.964					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		9.035					
161 n-Octadecane	85		9.070					
162 4-Aminobiphenyl	169		9.138					
163 Pentachlorophenol	266	9.109	9.111	-0.002	96	320933	80.7	
164 Pentachloronitrobenzene	237		9.150					
165 Pronamide	173		9.150					
166 Disulfoton	88		9.285					
167 Dinoseb	211		9.297					
168 Phenanthrene	178		9.335					
169 Anthracene	178		9.388					
170 Carbazole	167		9.558					
171 Alachlor	188		9.646					
172 Methyl parathion	109		9.708					
173 Di-n-butyl phthalate	149		9.863					
174 Ethyl Parathion	109		10.161					
175 4-Nitroquinoline-1-oxide	190		10.296					
176 Methapyrilene	97		10.319					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.648					
179 Fluoranthene	202		10.833					
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		11.039					
182 Pyrene	202		11.215					
183 Aramite Peak 1	185		11.395					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.536					
186 p-Dimethylamino azobenzene	120		11.759					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.818					
188 Famphur	218		12.278					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.378					
191 3,3'-Dimethylbenzidine	212		12.482					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		13.069					
195 Bis(2-ethylhexyl) phthalate	149		13.771					
196 4,4'-Methylene bis(2-chloroanili	231		13.821					
197 3,3'-Dichlorobenzidine	252		13.735					
198 Benzo[a]anthracene	228		13.771					
199 Chrysene	228		13.871					
200 6-Methylchrysene	242		15.208					
201 Di-n-octyl phthalate	149		15.692					
202 7,12-Dimethylbenz(a)anthracene	256		16.947					
203 Benzo[b]fluoranthene	252		16.855					
204 Benzo[k]fluoranthene	252		16.937					
205 Hexachlorophene	196		12.326					
206 Benzo[e]pyrene	252		17.701					
207 Benzo[a]pyrene	252		17.860					
208 Perylene	252		17.757					
209 3-Methylcholanthrene	268		19.056					
210 Tris(2,3-dibromopropyl)phosphate	119		19.220					
211 Dibenz[a,h]acridine	279		20.737					
212 Dibenz[a,j]acridine	279		20.895					
213 Dibenz(a,h)anthracene	278		21.362					
214 Indeno[1,2,3-cd]pyrene	276		21.279					
215 Benzo[g,h,i]perylene	276		22.067					
216 Dibenzo[a,e]pyrene	302		25.915					
S 217 Total Cresols	108				0		122.7	
S 218 Methyl Phenols,Total	108				0		122.7	
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

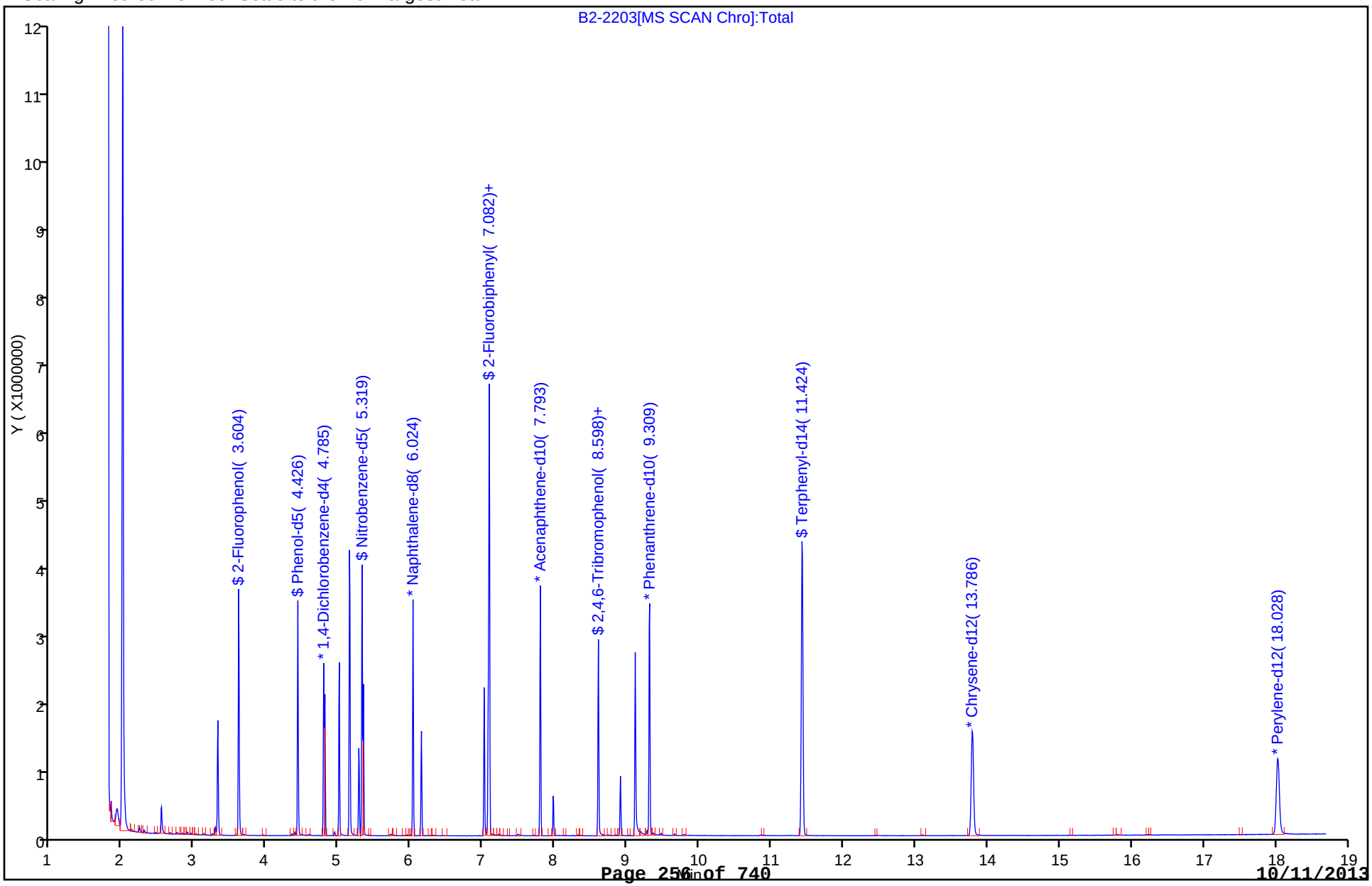
Report Date: 26-Sep-2013 08:36:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20130925-15676.b\B2-2203.D

Injection Date:	25-Sep-2013 14:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	193045	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 09/20/2013 08:07

Analysis Batch Number: 192371 End Date: 09/20/2013 13:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-192371/2		09/20/2013 08:07	1	B2-2126.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-192371/3		09/20/2013 08:21	1	B2-2127.D	Vf-5MS (30.25) 0.25(mm)
STD004 280-192371/4 IC		09/20/2013 08:50	1	B2-2128.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-192371/5 IC		09/20/2013 09:20	1	B2-2129.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-192371/6 IC		09/20/2013 09:51	1	B2-2130.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-192371/7 IC		09/20/2013 10:20	1	B2-2131.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-192371/8 IC		09/20/2013 10:50	1	B2-2132.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-192371/9 IC		09/20/2013 11:21	1	B2-2133.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-192371/10 IC		09/20/2013 11:52	1	B2-2134.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-192371/11		09/20/2013 12:22	1	B2-2135.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-192371/12		09/20/2013 12:51	1	B2-2136.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-192371/14		09/20/2013 13:22	1	B2-2137.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 09/20/2013 15:10

Analysis Batch Number: 192457 End Date: 09/21/2013 02:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-192457/2		09/20/2013 15:10	1	B2-2138.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-192457/3		09/20/2013 15:23	1	B2-2139.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 15:53	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 16:22	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 16:53	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 17:23	1		Vf-5MS (30.25) 0.25(mm)
LB 280-191495/1-B		09/20/2013 17:54	1	B2-2144.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-191495/2-B		09/20/2013 18:23	1	B2-2145.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 18:54	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 19:24	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 19:55	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 20:24	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 20:55	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 21:25	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 21:54	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 22:25	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 22:55	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 23:25	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/20/2013 23:55	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/21/2013 00:25	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/21/2013 00:56	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/21/2013 01:25	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/21/2013 01:56	1		Vf-5MS (30.25) 0.25(mm)
280-46620-1	AOI474TCLP02AA	09/21/2013 02:26	1	B2-2161.D	Vf-5MS (30.25) 0.25(mm)
280-46620-1 MS	AOI474TCLP02AA MS	09/21/2013 02:56	1	B2-2162.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 09/25/2013 11:54

Analysis Batch Number: 193045 End Date: 09/25/2013 23:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-193045/2		09/25/2013 11:54	1	B2-2197.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-193045/3		09/25/2013 12:07	1	B2-2198.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 12:37	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 13:07	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 13:38	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 14:04	1		Vf-5MS (30.25) 0.25(mm)
280-46620-1 MSD	AOI474TCLP02AA MSD	09/25/2013 14:30	1	B2-2203.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 14:55	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 15:26	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 15:56	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 16:27	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 16:58	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 17:28	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 17:59	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 18:30	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 19:00	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 19:30	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 20:00	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 20:31	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 21:01	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 21:32	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 22:02	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 22:32	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 23:03	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		09/25/2013 23:29	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist
Denver

TestAmerica

Instrument ID and Date: **B2 HSL 092513**

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	X			✓	
4. Does %D meet criteria for non-CCC compounds?	X			✓	
5. Isomeric pairs checked for correct peak assignment?	X			✓	
6. Standards traceability properly documented?	X			✓	
7. Manual integrations documented and checked?	X			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	X			✓	

1st Level Reviewer: _____ Date: 09/26/13

2nd Level Reviewer: _____ Date: 9/26/13

Injection Log

Directory: C:\HPCHEM\1\DATA\092513\B

Line	Vial	FileName	Multiplier	SampleName	MiscInfo	Injected
1	100	B2-2196.D	1.	RINSE		25 Sep 2013 11:32
2	1	B2-2197.D	1.	DFTPP		25 Sep 2013 11:54
3	2	B2-2198.D	1.	CCVIHSL		25 Sep 2013 12:07
4	3	B2-2199.D	1.	MB280-192426_11-A		25 Sep 2013 12:37
5	4	B2-2200.D	1.	LCS280-192426_2-A		25 Sep 2013 13:07
6	5	B2-2201.D	1.	LB3280-192368_11-C		25 Sep 2013 13:38
7	6	B2-2202.D	1.	LCS280-192368_2-C		25 Sep 2013 14:04
8	7	B2-2203.D	1.	280-46620-B-1-DMSD		25 Sep 2013 14:30
9	8	B2-2204.D	1.	280-46828-A-1-D		25 Sep 2013 14:55
10	9	B2-2205.D	1.	280-46828-A-2-B		25 Sep 2013 15:26
11	10	B2-2206.D	1.	280-46828-A-3-B		25 Sep 2013 15:52
12	11	B2-2207.D	1.	280-46828-A-3-CMS		25 Sep 2013 16:27
13	12	B2-2208.D	1.	280-46828-A-3-DMSD		25 Sep 2013 16:58
14	13	B2-2209.D	1.	280-46828-A-4-B		25 Sep 2013 17:28
15	14	B2-2210.D	1.	280-46828-A-5-B		25 Sep 2013 17:59
16	15	B2-2211.D	1.	280-46828-A-6-B		25 Sep 2013 18:30
17	16	B2-2212.D	1.	280-46828-A-7-B		25 Sep 2013 19:00
18	17	B2-2213.D	1.	280-46828-A-8-B		25 Sep 2013 19:30
19	18	B2-2214.D	1.	280-46828-A-9-B		25 Sep 2013 20:00
20	19	B2-2215.D	1.	280-46828-A-10-B		25 Sep 2013 20:31
21	20	B2-2216.D	1.	280-46828-A-11-B		25 Sep 2013 21:01
22	21	B2-2217.D	1.	280-46828-A-12-B		25 Sep 2013 21:32
23	22	B2-2218.D	1.	280-46828-A-13-B		25 Sep 2013 22:02
24	23	B2-2219.D	1.	280-46828-A-14-B		25 Sep 2013 22:32
25	24	B2-2220.D	1.	280-46700-A-2-E		25 Sep 2013 23:03
26	25	B2-2221.D	1.	280-46740-A-23-F		25 Sep 2013 23:29
27	26	B2-2222.D	1.	280-46740-A-23-CMS	r.r. Time Time	25 Sep 2013 23:55
28	27	B2-2223.D	1.	280-46740-A-23-HMSD		26 Sep 2013 00:20
29	28	B2-2224.D	1.	280-142110-A-1-B 10% MTC		26 Sep 2013 00:46
30	98	B2-2225.D	1.	RINSE		26 Sep 2013 01:12
31	99	B2-2226.D	1.	RINSE		26 Sep 2013 01:42
32	100	B2-2227.D	1.	RINSE		26 Sep 2013 02:12
33	98	B2-2228.D	1.	RINSE		26 Sep 2013 02:42
34	99	B2-2229.D	1.	RINSE		26 Sep 2013 03:13
35	100	B2-2230.D	1.	RINSE		26 Sep 2013 03:44

09.26.13

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10/11/2013

Diluent Solvent Lot# [illegible]

Circle: SOP: DW-MS-00111 (8270C/6255) or DW-MS-000002 (PAH SIM) or DW-MS-00005 (PAH for CSLP)

Daily Maintenance Performed: [illegible]

777

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: B2 HSL 092013
Calibration Event 15566 Batch 192371

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the CHROM source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?			X	✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?	X			✓	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	X			✓	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?	X			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X			✓	

1st Level Reviewer: _____ Date: 09/23/13

2nd Level Reviewer: _____ Date: 9/23/13.

Injection Log

Directory: C:\HPCHEM\1\DATA\092013B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B2-2125.D	1.	RINSE		20 Sep 2013 07:37
2	1	B2-2126.D	1.	DFTPP		20 Sep 2013 08:07
3	2	B2-2127.D	1.	ICIS		20 Sep 2013 08:21
4	3	B2-2128.D	1.	STD004 HSL		20 Sep 2013 08:50
5	4	B2-2129.D	1.	STD010 HSL		20 Sep 2013 09:20
6	5	B2-2130.D	1.	STD020 HSL		20 Sep 2013 09:51
7	6	B2-2131.D	1.	STD050 HSL		20 Sep 2013 10:20
8	7	B2-2132.D	1.	STD120 HSL		20 Sep 2013 10:50
9	8	B2-2133.D	1.	STD160 HSL		20 Sep 2013 11:21
10	9	B2-2134.D	1.	STD200 HSL		20 Sep 2013 11:52
11	10	B2-2135.D	1.	ICV HSL 1		20 Sep 2013 12:22
12	11	B2-2136.D	1.	ICV HSL 2		20 Sep 2013 12:51
13	12	B2-2137.D	1.	ICV FAM		20 Sep 2013 13:22

Accept

09/23/13

Diluent Solvent Lot#: _____

Circle: SOP: DV-MS-0011 (8270C/6255) or DV-MS-000002 (PAH SIM) or DV-MS-00005 (PAH for CSLP)

Daily Maintenance Performed: Cleaned lenses and syringe

N/A 09/2013

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 191495 Batch Start Date: 09/14/13 13:10 Batch Analyst: Wiggins, Joshua J

Batch Method: 1311 Batch End Date: 09/15/13 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-191495/1		1311, 3510C, 8270C		T1					
LCS 280-191495/2		1311, 3510C, 8270C		T1					
280-46620-B-1	AOI474TCLP02AA	1311, 3510C, 8270C	P	T1					

Batch Notes	
First End time	09/15/13 08:30
First Start time	09/14/13 13:10

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 191861 Batch Start Date: 09/17/13 16:55 Batch Analyst: Jones, Brad W

Batch Method: 3510C Batch End Date: 09/18/13 21:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	8270Surrogate 00062
LB 280-191495/1-A		3510C, 8270C		5	102 mL	1000 uL	2	14	1 mL
LCS 280-191495/2-A		3510C, 8270C		5	104 mL	1000 uL	2	14	1 mL
280-46620-B-1-A	AOI474TCLP02AA	3510C, 8270C	P	5	102 mL	1000 uL	2	14	1 mL
280-46620-B-1-A MS	AOI474TCLP02AA	3510C, 8270C	P	5	104 mL	1000 uL	2	14	1 mL
280-46620-B-1-A MSD	AOI474TCLP02AA	3510C, 8270C	P	5	102 mL	1000 uL	2	14	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8270TCLPSpike 00032					
LB 280-191495/1-A		3510C, 8270C							
LCS 280-191495/2-A		3510C, 8270C		1 mL					
280-46620-B-1-A	AOI474TCLP02AA	3510C, 8270C	P						
280-46620-B-1-A MS	AOI474TCLP02AA	3510C, 8270C	P	1 mL					
280-46620-B-1-A MSD	AOI474TCLP02AA	3510C, 8270C	P	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 191861 Batch Start Date: 09/17/13 16:55 Batch Analyst: Jones, Brad W

Batch Method: 3510C Batch End Date: 09/18/13 21:20

Batch Notes	
Acid used for pH adjustment	1:1 H2SO4
Acid used for pH adjust Lot #	1:1 H2SO4_00020
Base used for pH adjustment	10N NaOH
Base used for pH adjust Lot #	10N_NaOH_00030
Batch Comment	DV-OP-0006/0007
Person's name who did the concentration	EJ / Curley, N
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	0000034574_00010
NaCL Lot #	0000046784
Oven, Bath or Block Temperature 1	84C
Pipette ID	E
Prep Solvent Lot #	MeCl2_Cycl_00120
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	Jones, B
Person's name who witnessed reagent drop	Reviewer: CDC
Sufficient volume for MS/MSD?	YES
Uncorrected Temperature	84 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG No.:

Project: Griffiss AFB Unknown #2

Client Sample ID	Lab Sample ID
AOI474TCLP02AA	280-46620-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: AOI474TCLP02AA
Lab Sample ID: 280-46620-1
Lab Name: TestAmerica Denver
Job No.: 280-46620-1
SDG ID.:
Matrix: Solid
Date Sampled: 09/12/2013 10:30
Reporting Basis: WET
Date Received: 09/13/2013 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Arsenic	0.065	0.50	0.065	0.022	mg/L	U		1	6010B
Barium	0.064	1.0	0.013	0.0020	mg/L	J		1	6010B
Cadmium	0.014	0.10	0.0070	0.0020	mg/L	J		1	6010B
Chromium	0.0045	0.50	0.0045	0.0030	mg/L	U		1	6010B
Lead	0.021	0.50	0.035	0.013	mg/L	J		1	6010B
Selenium	0.075	0.10	0.075	0.024	mg/L	U		1	6010B
Silver	0.015	0.50	0.015	0.0040	mg/L	U		1	6010B
Mercury	0.000080	0.0020	0.000080	0.000030	mg/L	U		1	7470A

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

ICV Source: ICP ICVL_00098 Concentration Units: mg/L

CCV Source: ICP CCVL_00335

Analyte	ICV 280-193221/7 09/25/2013 16:08				CCV 280-193221/118 09/26/2013 05:59				CCV 280-193221/128 09/26/2013 06:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.249	J	0.250	99	1.03		1.00	103	1.04		1.00	104
Barium	0.250	J	0.250	100	0.496	J	0.500	99	0.494	J	0.500	99
Cadmium	0.251		0.250	101	0.510		0.500	102	0.510		0.500	102
Chromium	0.255	J	0.250	102	0.516		0.500	103	0.517		0.500	103
Lead	0.260	J	0.250	104	1.04		1.00	104	1.05		1.00	105
Selenium	0.488		0.500	98	1.03		1.00	103	1.03		1.00	103
Silver	0.254	J	0.250	102	0.508		0.500	102	0.506		0.500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

ICV Source: ICP ICVL_00098 Concentration Units: mg/L

CCV Source: ICP CCVL_00335

Analyte	CCV 280-193221/169 09/26/2013 09:03				CCV 280-193221/174 09/26/2013 09:33							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1.03		1.00	103	1.04		1.00	104				
Barium	0.484	J	0.500	97	0.486	J	0.500	97				
Cadmium	0.502		0.500	100	0.505		0.500	101				
Chromium	0.515		0.500	103	0.515		0.500	103				
Lead	1.04		1.00	104	1.04		1.00	104				
Selenium	1.02		1.00	102	1.03		1.00	103				
Silver	0.503		0.500	101	0.503		0.500	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

ICV Source: Hg H20 ICV_00601 Concentration Units: mg/L

CCV Source: Hg H2O CCV_00590

Analyte	ICV 280-194552/8 10/04/2013 13:32				CCV 280-194552/83 10/04/2013 16:26				CCV 280-194552/95 10/04/2013 16:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00411		0.00400	103	0.00507		0.00500	101	0.00508		0.00500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

ICV Source: Hg H20 ICV_00601 Concentration Units: mg/L

CCV Source: Hg H2O CCV_00590

Analyte	CCV 280-194552/107 10/04/2013 17:23											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00515		0.00500	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Method: 6010B Instrument ID: MT_025

Lab Sample ID: CRI 280-193221/13 Concentration Units: mg/L

CRQL Check Standard Source: ICP RL STD_00997

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0100	0.065	U	109	80-120
Barium	0.00500	0.00487	J	97	80-120
Cadmium	0.00500	0.00492	J	98	80-120
Chromium	0.0100	0.0102	J	102	80-120
Selenium	0.0100	0.075	U	92	80-120
Silver	0.0100	0.0109	J	109	80-120

Lab Sample ID: CRI 280-193221/14 Concentration Units: mg/L

CRQL Check Standard Source: Alt Li Pb Zn_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Lead	0.00900	0.035	U	107	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 280-193221/12 09/25/2013 16:23		CCB 280-193221/119 09/26/2013 06:01		CCB 280-193221/129 09/26/2013 06:24		CCB 280-193221/170 09/26/2013 09:05	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.50	0.065	U	0.065	U	0.065	U	0.065	U
Barium	1.0	0.013	U	0.013	U	0.013	U	0.013	U
Cadmium	0.10	0.0070	U	0.0070	U	0.0070	U	0.0070	U
Chromium	0.50	0.0045	U	0.0045	U	0.0045	U	0.0045	U
Lead	0.50	0.035	U	0.035	U	0.035	U	0.035	U
Selenium	0.10	0.075	U	0.075	U	0.075	U	0.075	U
Silver	0.50	0.015	U	0.015	U	0.015	U	0.015	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 280-193221/175 09/26/2013 09:37							
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.50	0.065	U						
Barium	1.0	0.013	U						
Cadmium	0.10	0.0070	U						
Chromium	0.50	0.0045	U						
Lead	0.50	0.035	U						
Selenium	0.10	0.075	U						
Silver	0.50	0.015	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 280-194552/9 10/04/2013 13:34		CCB 280-194552/84 10/04/2013 16:28		CCB 280-194552/96 10/04/2013 16:56		CCB 280-194552/108 10/04/2013 17:25	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.0020	0.000080	U	0.000080	U	0.000080	U	0.000080	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 280-191495/1-D

Instrument Code: MT_025 Batch No.: 193221

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.065	U		6010B
7440-39-3	Barium	0.0134	J		6010B
7440-43-9	Cadmium	0.0070	U		6010B
7440-47-3	Chromium	0.0045	U		6010B
7439-92-1	Lead	0.035	U		6010B
7782-49-2	Selenium	0.075	U		6010B
7440-22-4	Silver	0.015	U		6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 280-191495/1-C

Instrument Code: MT_034 Batch No.: 194552

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.000080	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab Sample ID: ICSA 280-193221/15 Instrument ID: MT_025

Lab File ID: 25A6092513.asc ICS Source: ICP ICSA_00077

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.0012**	
Barium		**0.0001**	
Cadmium		**0.0019**	
Chromium		**-0.0022**	
Lead		**0.0043**	
Selenium		**-0.0059**	
Silver		**-0.0005**	
Aluminum	*500*	*500*	*100*
Antimony		*0.0106*	
Beryllium		*-0.0001*	
Boron		*-0.0010*	
Calcium	*500*	*469*	*94*
Cobalt		*-0.0005*	
Copper		*0.0023*	
Iron	*200*	*189*	*95*
Lithium		*-0.0121*	
Magnesium	*500*	*526*	*105*
Manganese		*0.0006*	
Molybdenum		*-0.0002*	
Nickel		*-0.0006*	
Phosphorus		*-0.0018*	
Potassium		*0.0339*	
Silicon		*0.0047*	
Sodium		*0.131*	
Strontium		*0.0152*	
Thallium		*-0.0029*	
Tin		*0.0009*	
Titanium		*-0.0007*	
Vanadium		*0.0051*	
Zinc		*-0.0039*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Lab Sample ID: ICSAB 280-193221/16 Instrument ID: MT_025

Lab File ID: 25A6092513.asc ICS Source: ICP ICSAB_00072

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**2.00**	**2.00**	**100**
Barium	**0.500**	**0.501**	**100**
Cadmium	**1.00**	**1.02**	**102**
Chromium	**0.500**	**0.486**	**97**
Lead	**1.00**	**0.936**	**94**
Selenium	**5.00**	**4.74**	**95**
Silver	**1.00**	**1.12**	**112**
Aluminum	*500*	*491*	*98*
Antimony	*1.00*	*0.982*	*98*
Beryllium	*0.500*	*0.479*	*96*
Boron	*2.00*	*1.85*	*93*
Calcium	*500*	*467*	*93*
Cobalt	*0.500*	*0.469*	*94*
Copper	*0.500*	*0.546*	*109*
Iron	*200*	*186*	*93*
Lithium	*1.00*	*1.01*	*101*
Magnesium	*500*	*510*	*102*
Manganese	*0.500*	*0.515*	*103*
Molybdenum	*1.00*	*0.951*	*95*
Nickel	*1.00*	*0.926*	*93*
Phosphorus	*2.00*	*1.91*	*96*
Potassium	*50.0*	*51.9*	*104*
Silicon	*10.0*	*10.3*	*103*
Sodium	*50.0*	*50.3*	*101*
Strontium	*1.00*	*0.990*	*99*
Thallium	*10.0*	*8.45*	*85*
Tin	*10.0*	*9.13*	*91*
Titanium	*1.00*	*1.03*	*103*
Vanadium	*0.500*	*0.517*	*103*
Zinc	*1.00*	*1.00*	*100*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: AOI474TCLP02AA MS
Lab ID: 280-46620-1 MS
Lab Name: TestAmerica Denver
Job No.: 280-46620-1
SDG No.:
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.08		0.065	U	4.00	102	80-120		6010B
Barium	11.5		0.064	J	12.0	96	80-120		6010B
Cadmium	1.11		0.014	J	1.10	99	80-120		6010B
Chromium	5.14		0.0045	U	5.20	99	80-120		6010B
Lead	5.41		0.021	J	5.50	98	80-120		6010B
Selenium	2.99		0.075	U	3.00	100	80-120		6010B
Silver	1.03		0.015	U	1.05	98	80-120		6010B
Mercury	0.00560		0.000080	U	0.00500	112	90-116		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: AOI474TCLP02AA MSD
Lab ID: 280-46620-1 MSD
Lab Name: TestAmerica Denver
Job No.: 280-46620-1
SDG No.:
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.19		4.00	105	80-120	3	20		6010B
Barium	12.0		12.0	99	80-120	4	20		6010B
Cadmium	1.14		1.10	102	80-120	3	20		6010B
Chromium	5.29		5.20	102	80-120	3	20		6010B
Lead	5.55		5.50	101	80-120	3	20		6010B
Selenium	3.06		3.00	102	80-120	2	20		6010B
Silver	1.07		1.05	102	80-120	4	20		6010B
Mercury	0.00551		0.00500	110	90-116	2	10		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: AOI474TCLP02AA PDS Lab ID: 280-46620-1 PDS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Matrix: Solid Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	1.04		0.065	U	1.00	104	75-125		6010B
Barium	0.536	J	0.064	J	0.500	94	75-125		6010B
Cadmium	0.264		0.014	J	0.250	100	75-125		6010B
Chromium	0.255	J	0.0045	U	0.250	102	75-125		6010B
Lead	0.510		0.021	J	0.500	98	75-125		6010B
Selenium	0.994		0.075	U	1.00	99	75-125		6010B
Silver	0.249	J	0.015	U	0.250	99	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-191495/2-D

Lab Name: TestAmerica Denver Job No.: 280-46620-1

Sample Matrix: Solid LCS Source: TCLP Spike_00009

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.03		101	80	120		6010B
Barium	12.0	11.5		96	80	120		6010B
Cadmium	1.10	1.09		99	80	120		6010B
Chromium	5.20	5.12		98	80	120		6010B
Lead	5.50	5.39		98	80	120		6010B
Selenium	3.00	2.97		99	80	120		6010B
Silver	1.05	1.03		98	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-191495/2-C

Lab Name: TestAmerica Denver Job No.: 280-46620-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00912

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00500	0.00551		110	90	116		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-46620-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-46620-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.065	U	0.33	U	NC		6010B
Barium	0.064	J	0.0675	J	NC	D	6010B
Cadmium	0.014	J	0.035	U	NC		6010B
Chromium	0.0045	U	0.023	U	NC		6010B
Lead	0.021	J	0.18	U	NC		6010B
Selenium	0.075	U	0.38	U	NC		6010B
Silver	0.015	U	0.075	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-46620-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-46620-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.000080	U	0.00040	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010B DL Date: 03/09/2011 13:58

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Arsenic	189	0.5	0.022
Barium	455.4	1	0.002
Cadmium	228.8	0.1	0.002
Chromium	205.5	0.5	0.003
Lead	220.3	0.5	0.013
Selenium	196	0.1	0.024
Silver	328	0.5	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010B XMDL Date: 03/09/2011 13:59

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.5	0.022
Barium		1	0.0025
Cadmium		0.1	0.002
Chromium		0.5	0.003
Lead		0.5	0.013
Selenium		0.1	0.024
Silver		0.5	0.004

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG Number:

Matrix: Solid Instrument ID: MT_034

Method: 7470A DL Date: 11/05/2010 15:54

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Mercury	253.7	0.002	0.00003

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG Number:

Matrix: Solid Instrument ID: MT_034

Method: 7470A XMDL Date: 11/30/2010 11:27

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.002	0.00003

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001001	
Aluminum	309.271														
Antimony	206.833		0.000007						-0.000005			0.011357		0.000010	
Arsenic	189.042		-0.000012									-0.007296		-0.000024	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061		-0.000012			-0.000294			-0.000016			0.001419		0.000120	
Boron	208.959														
Cadmium	228.802			0.002467		-0.000092					0.000036			-0.000013	
Calcium	317.933										0.000391				
Chromium	205.552						-0.000724							-0.000038	
Cobalt	228.616					-0.000021						-0.000046			
Copper	324.754														
Iron	259.940										0.070287				
Iron	271.441										0.070287				
Lead	220.353		-0.000061						0.000007		-0.000010		0.000134	0.000034	
Lithium	670.784								0.000009						
Magnesium	279.079													-0.000175	
Manganese	257.610		0.000001											0.000011	
Molybdenum	202.030														
Nickel	231.604						0.000034		-0.000002		-0.000053			0.000034	
Phosphorus	178.284		-0.000005												
Potassium	766.490														
Selenium	196.090		0.000021						-0.000001					0.000006	
Silicon	288.158											-0.016952			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000049						
Sulfur	182.034		-0.000022						-0.000025						

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856		0.000001								0.004069	0.000274			
Thorium	283.730											-0.000153		0.000876	
Tin	189.989														
Titanium	334.904								0.000005			0.000157			
Uranium	370.152				-0.03516				-0.000005			-0.001869		0.000415	
Vanadium	292.402											-0.006987		0.000013	
Zinc	206.200		0.000010					0.000509				-0.000468		0.000015	
Zirconium	339.198													-0.000028	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.001655												
Aluminum	167.079														
Antimony	206.833				-0.000327		0.000025					0.000031		0.00189	
Arsenic	189.042		-0.000006		0.001328										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													-0.001095	
Boron	208.959				0.033560										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000107		0.000009								
Cobalt	228.616			-0.000001	-0.001006		0.000125								
Copper	324.754				0.000205										
Iron	259.940		-0.000894												
Iron	271.441		-0.000894												
Lead	220.353				-0.002073		0.000317					0.000169			
Lithium	670.784		0.000006												
Magnesium	279.079			-0.001330	-0.004610										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604				0.000080										
Phosphorus	178.284				-0.005388										
Potassium	766.490														
Selenium	196.090			0.000570											
Silicon	288.158				-0.000510										
Silver	328.068			0.000183	-0.000074										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.003725	-0.006321										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000859											
Thorium	283.730		-0.000015		0.000056		0.000237								
Tin	189.989														
Titanium	334.904		0.000002		0.001119										
Uranium	370.152														
Vanadium	292.402			-0.001054	-0.000177										
Zinc	206.200				0.000123										
Zirconium	339.198				0.000752										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833		0.000259		-0.002129	0.000091		-0.001105							
Arsenic	189.042	-0.000781													
Barium	455.403							0.001086							
Beryllium	313.042		-0.000285			0.000618									
Bismuth	223.061		-0.005621		-0.003951										
Boron	208.959														
Cadmium	228.802				-0.000206										
Calcium	317.933	-0.003260													
Chromium	205.552	0.000009			-0.000025										
Cobalt	228.616		0.002052		0.000149										
Copper	324.754	0.001914	0.000011		-0.000115	-0.000316		-0.002277							
Iron	259.940					-0.209500									
Iron	271.441					-0.209500									
Lead	220.353		-0.000522		0.000701			-0.000255							
Lithium	670.784														
Magnesium	279.079	-0.041014	-0.001688		-0.008620										
Manganese	257.610	-0.000496			0.000075										
Molybdenum	202.030				-0.000130										
Nickel	231.604														
Phosphorus	178.284				0.000099										
Potassium	766.490														
Selenium	196.090	0.000088		-0.000481	-0.000220										
Silicon	288.158														
Silver	328.068	0.000323			0.000970			0.005844							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034	0.000111				0.000164									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-46620-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856	-0.000203	-0.000892		-0.000304	-0.019465									
Thorium	283.730				0.022201			0.022111							
Tin	189.989	0.000011	-0.001792		0.000185										
Titanium	334.904	0.006757			-0.000569										
Uranium	370.152		0.004659												
Vanadium	292.402	0.001293	0.001093		-0.001122										
Zinc	206.200		0.000066												
Zirconium	339.198	0.03149			-0.000178										

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-46620-1

SDG No.:

Instrument ID: MT_025 Date: 07/19/2013 12:58

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		50	6010B
Barium		50	6010B
Cadmium		25	6010B
Chromium		50	6010B
Lead		200	6010B
Selenium		50	6010B
Silver		2.5	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-191495/1-D	09/25/2013 12:30	192694		10	50
LCS 280-191495/2-D	09/25/2013 12:30	192694		10	50
280-46620-1	09/25/2013 12:30	192694		10	50
280-46620-1 MS	09/25/2013 12:30	192694		10	50
280-46620-1 MSD	09/25/2013 12:30	192694		10	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-191495/1-C	10/04/2013 10:25	191940		30	30
LCS 280-191495/2-C	10/04/2013 10:25	191940		30	30
280-46620-1	10/04/2013 10:25	191940		30	30
280-46620-1 MS	10/04/2013 10:25	191940		30	30
280-46620-1 MSD	10/04/2013 10:25	191940		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 09/25/2013 15:52 End Date: 09/26/2013 09:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ICIS 280-193221/1	1		15:52	X	X	X	X	X	X	X													
IC 280-193221/2			15:55	X	X	X	X	X	X	X													
IC 280-193221/3			15:57	X	X	X	X	X	X	X													
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
ICVH 280-193221/6	1		16:04	X	X	X	X	X	X	X													
ICV 280-193221/7	1		16:08	X	X	X	X	X	X	X													
ZZZZZZ			16:12																				
CCVH 280-193221/9			16:15																				
CCV 280-193221/10			16:18																				
ZZZZZZ			16:20																				
ICB 280-193221/12	1		16:23	X	X	X	X	X	X	X													
CRI 280-193221/13	1		16:26	X	X	X	X	X		X													
CRI 280-193221/14	1		16:42						X														
ICSA 280-193221/15	1		16:49	X	X	X	X	X	X	X													
ICSAB 280-193221/16	1		16:52	X	X	X	X	X	X	X													
LRA 280-193221/17			16:54																				
CCVH 280-193221/18			16:57																				
CCV 280-193221/19			16:59																				
CCB 280-193221/20			17:02																				
ZZZZZZ			17:04																				
CCVH 280-193221/22			02:12																				
CCV 280-193221/23			02:14																				
CCB 280-193221/24			02:17																				
ZZZZZZ			02:19																				
ZZZZZZ			02:21																				
ZZZZZZ			02:23																				
ZZZZZZ			02:26																				
ZZZZZZ			02:28																				
ZZZZZZ			02:30																				
ZZZZZZ			02:33																				
ZZZZZZ			02:35																				
ZZZZZZ			02:37																				
ZZZZZZ			02:39																				
CCVH 280-193221/35			02:41																				
CCV 280-193221/36			02:44																				
CCB 280-193221/37			02:46																				
ZZZZZZ			02:48																				
ZZZZZZ			02:51																				
ZZZZZZ			02:53																				
ZZZZZZ			02:55																				
ZZZZZZ			02:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 09/25/2013 15:52 End Date: 09/26/2013 09:40

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			02:59																				
ZZZZZZ			03:02																				
ZZZZZZ			03:04																				
CCVH 280-193221/46			03:06																				
CCV 280-193221/47			03:08																				
CCB 280-193221/48			03:10																				
ZZZZZZ			03:13																				
ZZZZZZ			03:15																				
ZZZZZZ			03:17																				
ZZZZZZ			03:20																				
ZZZZZZ			03:22																				
ZZZZZZ			03:24																				
ZZZZZZ			03:27																				
ZZZZZZ			03:29																				
CCVH 280-193221/57			03:31																				
CCV 280-193221/58			03:34																				
CCB 280-193221/59			03:36																				
ZZZZZZ			03:38																				
ZZZZZZ			03:40																				
ZZZZZZ			03:43																				
ZZZZZZ			03:45																				
ZZZZZZ			03:47																				
ZZZZZZ			03:49																				
ZZZZZZ			03:52																				
ZZZZZZ			03:54																				
ZZZZZZ			03:56																				
ZZZZZZ			03:58																				
ZZZZZZ			04:01																				
CCVH 280-193221/71			04:03																				
CCV 280-193221/72			04:05																				
CCB 280-193221/73			04:07																				
ZZZZZZ			04:09																				
ZZZZZZ			04:12																				
ZZZZZZ			04:14																				
ZZZZZZ			04:16																				
ZZZZZZ			04:19																				
ZZZZZZ			04:21																				
ZZZZZZ			04:24																				
ZZZZZZ			04:26																				
ZZZZZZ			04:28																				
ZZZZZZ			04:30																				
CCVH 280-193221/84			04:33																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 09/25/2013 15:52 End Date: 09/26/2013 09:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCV 280-193221/85			04:36																				
CCB 280-193221/86			04:38																				
ZZZZZZ			04:41																				
ZZZZZZ			04:43																				
ZZZZZZ			04:45																				
ZZZZZZ			04:48																				
ZZZZZZ			04:50																				
ZZZZZZ			04:52																				
ZZZZZZ			04:55																				
ZZZZZZ			04:57																				
ZZZZZZ			04:59																				
CCVH 280-193221/96			05:02																				
CCV 280-193221/97			05:05																				
CCB 280-193221/98			05:08																				
ZZZZZZ			05:10																				
ZZZZZZ			05:13																				
ZZZZZZ			05:15																				
ZZZZZZ			05:17																				
ZZZZZZ			05:20																				
ZZZZZZ			05:23																				
ZZZZZZ			05:25																				
ZZZZZZ			05:29																				
CCVH 280-193221/107			05:31																				
CCV 280-193221/108			05:34																				
CCB 280-193221/109			05:36																				
ZZZZZZ			05:39																				
ZZZZZZ			05:41																				
ZZZZZZ			05:43																				
ZZZZZZ			05:46																				
ZZZZZZ			05:49																				
ZZZZZZ			05:52																				
ZZZZZZ			05:54																				
CCVH 280-193221/117	1		05:56	X	X	X	X	X	X	X													
CCV 280-193221/118	1		05:59	X	X	X	X	X	X	X													
CCB 280-193221/119	1		06:01	X	X	X	X	X	X	X													
ZZZZZZ			06:03																				
LB 280-191495/1-D	1	P	06:05	X	X	X	X	X	X	X													
LCS 280-191495/2-D	1	P	06:08	X	X	X	X	X	X	X													
280-46620-1	1	P	06:10	X	X	X	X	X	X	X													
280-46620-1 SD	5	P	06:12	X	X	X	X	X	X	X													
280-46620-1 MS	1	P	06:15	X	X	X	X	X	X	X													
280-46620-1 MSD	1	P	06:17	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 09/25/2013 15:52 End Date: 09/26/2013 09:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCVH 280-193221/127	1		06:19	X	X	X	X	X	X	X													
CCV 280-193221/128	1		06:22	X	X	X	X	X	X	X													
CCB 280-193221/129	1		06:24	X	X	X	X	X	X	X													
ZZZZZZ			06:26																				
ZZZZZZ			06:28																				
ZZZZZZ			06:30																				
ZZZZZZ			06:33																				
ZZZZZZ			06:35																				
ZZZZZZ			06:37																				
ZZZZZZ			06:40																				
ZZZZZZ			06:42																				
ZZZZZZ			06:45																				
ZZZZZZ			06:47																				
CCVH 280-193221/140			06:50																				
CCV 280-193221/141			06:52																				
CCB 280-193221/142			06:54																				
ZZZZZZ			06:56																				
ZZZZZZ			06:59																				
ZZZZZZ			07:01																				
ZZZZZZ			07:04																				
ZZZZZZ			07:06																				
ZZZZZZ			07:09																				
ZZZZZZ			07:12																				
ZZZZZZ			07:14																				
ZZZZZZ			07:16																				
CCVH 280-193221/152			07:19																				
CCV 280-193221/153			07:21																				
CCB 280-193221/154			07:23																				
ZZZZZZ			07:26																				
ZZZZZZ			07:28																				
ZZZZZZ			07:30																				
ZZZZZZ			07:33																				
ZZZZZZ			07:35																				
ZZZZZZ			07:38																				
ZZZZZZ			07:40																				
ZZZZZZ			07:42																				
ZZZZZZ			07:45																				
CCVH 280-193221/164			07:47																				
CCV 280-193221/165			07:49																				
CCB 280-193221/166			07:51																				
ZZZZZZ			07:54																				
CCVH 280-193221/168	1		09:01	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 09/25/2013 15:52 End Date: 09/26/2013 09:40

Lab Sample ID	D / F	Type	Time	Analytes																		
				Ag	As	Ba	Cd	Cr	Pb	Se												
CCV 280-193221/169	1		09:03	X	X	X	X	X	X	X												
CCB 280-193221/170	1		09:05	X	X	X	X	X	X	X												
ZZZZZZ			09:08																			
280-46620-1 PDS	1	P	09:29	X	X	X	X	X	X	X												
CCVH 280-193221/173	1		09:31	X	X	X	X	X	X	X												
CCV 280-193221/174	1		09:33	X	X	X	X	X	X	X												
CCB 280-193221/175	1		09:37	X	X	X	X	X	X	X												
ZZZZZZ			09:40																			

Prep Types

P = TCLP

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 10/04/2013 13:12 End Date: 10/04/2013 17:25

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
STD0 280-194552/1 IC			13:12	X																				
STD1 280-194552/2 IC			13:14	X																				
STD2 280-194552/3 IC			13:16	X																				
STD3 280-194552/4 IC			13:18	X																				
STD4 280-194552/5 IC			13:21	X																				
STD5 280-194552/6 IC			13:23	X																				
STD6 280-194552/7 IC			13:25	X																				
ICV 280-194552/8	1		13:32	X																				
ICB 280-194552/9	1		13:34	X																				
CRA 280-194552/10			13:37																					
CCV 280-194552/11			13:39																					
CCB 280-194552/12			13:41																					
ZZZZZZ			13:43																					
ZZZZZZ			13:46																					
ZZZZZZ			13:48																					
ZZZZZZ			13:50																					
ZZZZZZ			13:53																					
ZZZZZZ			13:55																					
ZZZZZZ			13:57																					
ZZZZZZ			14:00																					
ZZZZZZ			14:02																					
ZZZZZZ			14:04																					
CCV 280-194552/23			14:07																					
CCB 280-194552/24			14:09																					
ZZZZZZ			14:11																					
ZZZZZZ			14:14																					
ZZZZZZ			14:16																					
ZZZZZZ			14:18																					
ZZZZZZ			14:20																					
ZZZZZZ			14:23																					
ZZZZZZ			14:25																					
ZZZZZZ			14:27																					
ZZZZZZ			14:30																					
ZZZZZZ			14:32																					
CCV 280-194552/35			14:34																					
CCB 280-194552/36			14:37																					
ZZZZZZ			14:39																					
ZZZZZZ			14:41																					
ZZZZZZ			14:43																					
ZZZZZZ			14:46																					
ZZZZZZ			14:49																					
ZZZZZZ			14:51																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 10/04/2013 13:12 End Date: 10/04/2013 17:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:53																				
ZZZZZZ			14:56																				
ZZZZZZ			14:58																				
ZZZZZZ			15:00																				
CCV 280-194552/47			15:02																				
CCB 280-194552/48			15:05																				
ZZZZZZ			15:07																				
ZZZZZZ			15:09																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
ZZZZZZ			15:19																				
ZZZZZZ			15:21																				
ZZZZZZ			15:23																				
ZZZZZZ			15:26																				
ZZZZZZ			15:28																				
CCV 280-194552/59			15:30																				
CCB 280-194552/60			15:32																				
ZZZZZZ			15:35																				
ZZZZZZ			15:37																				
ZZZZZZ			15:39																				
ZZZZZZ			15:42																				
ZZZZZZ			15:44																				
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
CCV 280-194552/71			15:58																				
CCB 280-194552/72			16:00																				
ZZZZZZ			16:03																				
ZZZZZZ			16:05																				
ZZZZZZ			16:07																				
ZZZZZZ			16:09																				
ZZZZZZ			16:12																				
ZZZZZZ			16:14																				
ZZZZZZ			16:16																				
ZZZZZZ			16:19																				
ZZZZZZ			16:21																				
ZZZZZZ			16:23																				
CCV 280-194552/83	1		16:26	X																			
CCB 280-194552/84	1		16:28	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 10/04/2013 13:12 End Date: 10/04/2013 17:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:30																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:37																				
ZZZZZZ			16:39																				
ZZZZZZ			16:42																				
LB 280-191495/1-C	1	P	16:44	X																			
LCS 280-191495/2-C	1	P	16:46	X																			
280-46620-1	1	P	16:49	X																			
280-46620-1 SD	5	P	16:51	X																			
CCV 280-194552/95	1		16:53	X																			
CCB 280-194552/96	1		16:56	X																			
280-46620-1 MS	1	P	16:58	X																			
280-46620-1 MSD	1	P	17:00	X																			
ZZZZZZ			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:07																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:14																				
ZZZZZZ			17:16																				
ZZZZZZ			17:19																				
CCV 280-194552/107	1		17:23	X																			
CCB 280-194552/108	1		17:25	X																			

Prep Types

P = TCLP

Sample Name: ICIS Acquired: 9/25/2013 15:52:42 Type: Cal
Method: 6500_025(v10) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00168**	**.00034**	**-.01502**	**-.00010**	**.00061**	**.00833**	**-.00032**	**-.00117**	**.00427**	**-.00036**	**-.00041**	**-.00059**	**.00309**
Stddev	.00006	.00001	.00098	.00015	.00002	.00014	.00010	.00015	.00055	.00054	.00012	.00004	.00004
%RSD	3.7491	1.7972	6.5193	148.30	2.6653	1.6443	31.851	13.030	12.991	147.79	28.429	7.3197	1.2667
#1	-.00164	.00033	-.01572	.00000	.00060	.00823	-.00024	-.00106	.00466	-.00075	-.00033	-.00062	.00312
#2	-.00173	.00034	-.01433	-.00021	.00062	.00843	-.00039	-.00127	.00388	.00002	-.00049	-.00056	.00306

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00050**	**-.00078**	**.00686**	**-.00464**	**-.00015**	**-.00005**	**.00004**	**.00515**	**-.01851**	**-.00054**	**-.00015**	**.00024**	**-.00033**
Stddev	.00021	.00004	.00030	.00045	.00001	.00003	.00004	.00050	.00197	.00008	.00004	.00009	.00001
%RSD	42.495	4.7100	4.3599	9.7107	8.0267	61.058	104.09	9.7923	10.616	15.587	24.790	35.965	3.4598
#1	-.00066	-.00080	.00707	-.00432	-.00016	-.00003	.00001	.00479	-.01990	-.00060	-.00018	.00018	-.00034
#2	-.00035	-.00075	.00665	-.00496	-.00014	-.00007	.00007	.00550	-.01712	-.00048	-.00013	.00030	-.00033

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00065**	**.00034**	**.00033**	**.00033**	**.00010**	**-.00154**	**-.00053**	**-.00042**	**-.00043**	**.00011**	**.00034**	**.00000**	**-.00312**
Stddev	.00003	.00003	.00067	.00067	.00000	.00049	.00001	.00008	.00005	.00007	.00013	.0000	.00032
%RSD	5.2099	7.3765	202.63	202.63	3.8229	31.867	1.7000	18.628	10.912	60.594	36.815	135.76	10.292
#1	.00062	.00032	.00081	.00081	.00010	-.00119	-.00053	-.00047	-.00046	.00007	.00043	.00000	-.00289
#2	.00067	.00036	-.00014	-.00014	.00010	-.00189	-.00054	-.00036	-.00039	.00016	.00025	.00000	-.00335

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7012.8**	**92518.**	**8958.7**
Stddev	12.1	1416.	90.3
%RSD	.17223	1.5302	1.0078
#1	7021.4	93519.	9022.5
#2	7004.3	91517.	8894.8

Sample Name: ICAL1 Acquired: 9/25/2013 15:55:02 Type: Cal
Method: 6500_025(v10) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.19257**	**.27046**	**.08166**	**.24471**	**4.5925**	**7.9527**	**2.2756**	**1.4738**	**.93109**	**.85398**	**.32064**	**.74688**	**3.8296**	**1.4234**
Stddev	.00031	.00014	.00028	.00006	.0568	.0989	.0248	.0017	.00003	.00116	.00049	.01050	.0435	.0176
%RSD	.16337	.05319	.34041	.02527	1.2357	1.2435	1.0882	.11751	.00350	.13546	.15216	1.4052	1.1358	1.2341
#1	.19235	.27056	.08186	.24475	4.6326	8.0226	2.2931	1.4751	.93111	.85480	.32030	.75430	3.8604	1.4358
#2	.19280	.27036	.08147	.24466	4.5523	7.8828	2.2581	1.4726	.93106	.85317	.32099	.73946	3.7989	1.4110

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0480**	**1.2494**	**.47231**	**1.3431**	**.63453**	**.10916**	**.47045**	**.17869**	**.07993**	**.35565**	**.35565**	**.22584**	**8.9429**	**.33015**
Stddev	.0016	.0034	.00020	.0146	.00148	.00013	.00108	.00005	.00010	.00133	.00133	.00009	.1035	.00094
%RSD	.15198	.27375	.04132	1.0872	.23283	.12115	.23015	.02576	.11899	.37498	.37498	.03869	1.1568	.28485
#1	1.0469	1.2469	.47217	1.3535	.63557	.10907	.46969	.17866	.07999	.35659	.35659	.22590	9.0161	.32948
#2	1.0491	1.2518	.47245	1.3328	.63348	.10926	.47122	.17873	.07986	.35471	.35471	.22578	8.8698	.33081

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18177**	**.20992**	**.03232**	**.36862**
Stddev	.00016	.00132	.00013	.00293
%RSD	.08855	.62817	.40107	.79374
#1	.18189	.20899	.03223	.37069
#2	.18166	.21086	.03241	.36655

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6792.2**	**87066.**	**8646.7**
Stddev	8.5	590.	139.6
%RSD	.12559	.67766	1.6149
#1	6786.1	87483.	8547.9
#2	6798.2	86648.	8745.4

Sample Name: ICAL2 Acquired: 9/25/2013 15:57:12 Type: Cal
Method: 6500_025(v10) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.4039**	**.21179**	**.77626**	**2.3301**	**.31764**	**.51536**	**.11006**
Stddev	.0101	.00018	.00157	.0004	.00074	.00088	.00044
%RSD	.22884	.08280	.20243	.01784	.23273	.16993	.39721
#1	4.4110	.21191	.77737	2.3298	.31816	.51474	.11037
#2	4.3967	.21167	.77515	2.3304	.31712	.51598	.10976

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6622.9**	**83259.**	**8550.8**
Stddev	26.0	623.	69.4
%RSD	.39205	.74823	.81135
#1	6604.6	83699.	8501.7
#2	6641.3	82818.	8599.9

Sample Name: S1-2270746 Acquired: 9/25/2013 15:59:36 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0070**	**1.0223**	**2.0133**	**.99866**	**1.0025**	**1.0005**	**.00501**	**9.9976**	**1.0001**	**.99930**	**.99912**	**1.0063**	**5.0218**
Stddev	.0040	.0064	.0047	.00066	.0028	.0044	.00150	.0400	.0009	.00062	.00045	.0016	.0284
%RSD	.39622	.62385	.23573	.06621	.27541	.43896	30.031	.40045	.09426	.06160	.04520	.15928	.56529
#1	1.0098	1.0268	2.0166	.99819	1.0044	1.0036	.00607	10.026	1.0008	.99886	.99880	1.0074	5.0419
#2	1.0041	1.0178	2.0099	.99913	1.0005	.99735	.00394	9.9693	.99943	.99973	.99944	1.0051	5.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.31**	**2.0067**	**40.254**	**1.0057**	**1.0013**	**10.416**	F **10.694**	**1.0008**	**2.0050**	**1.9994**	**-.00608**	**2.0116**	**1.9895**
Stddev	.14	.0055	.020	.0010	.0003	.090	.003	.0004	.0013	.0017	.00339	.0008	.0058
%RSD	.14455	.27444	.04940	.10482	.03151	.86703	.02731	.04302	.06697	.08313	55.696	.03861	.29068
#1	100.41	2.0106	40.240	1.0064	1.0015	10.480	10.692	1.0011	2.0060	2.0006	-.00369	2.0121	1.9854
#2	100.20	2.0028	40.268	1.0049	1.0011	10.352	10.696	1.0004	2.0041	1.9983	-.00848	2.0110	1.9936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							10.000						
Range							5.0000%						

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9912**	**21.381**	**2.0075**	**1.0023**	**-.00658**	**1.0067**	**2.0020**	**.00720**	**1.0066**	**1.0055**	**1.0035**
Stddev	.0641	.137	.0035	.0031	.00038	.0003	.0017	.02636	.0015	.0009	.0042
%RSD	.64128	.64128	.17360	.31335	5.7866	.02872	.08668	366.32	.14656	.08756	.42180
#1	9.9459	21.284	2.0050	1.0045	-.00685	1.0069	2.0033	.02584	1.0077	1.0062	1.0005
#2	10.037	21.478	2.0099	1.0001	-.00631	1.0065	2.0008	-.01144	1.0056	1.0049	1.0065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6819.7**	**86977.**	**8603.8**
Stddev	40.4	714.	17.6
%RSD	.59201	.82043	.20459
#1	6791.2	86473.	8616.3
#2	6848.3	87482.	8591.4

Sample Name: S2-2262507 Acquired: 9/25/2013 16:01:44 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00807**	**100.36**	**.00863**	**.00596**	**.00103**	**.00053**	**1.9798**	**.03161**	**.00124**	**-.00070**	**-.00135**	**-.01469**
Stddev	.00069	.60	.00033	.00069	.00011	.00024	.0049	.00440	.00004	.00006	.00019	.00028
%RSD	8.5228	.59542	3.7970	11.565	10.859	44.391	.24675	13.930	3.3175	8.5155	14.232	1.9027
#1	-.00758	99.940	.00886	.00645	.00111	.00070	1.9763	.03472	.00121	-.00065	-.00122	-.01449
#2	-.00855	100.78	.00840	.00547	.00095	.00037	1.9832	.02849	.00127	-.00074	-.00149	-.01489
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.54**	**.38102**	**.00596**	**-.15380**	**-.00082**	**.00001**	**502.80**	**.00093**	**.00596**	**.00239**	**9.9783**	**.01474**
Stddev	.10	.02460	.00229	.00085	.00008	.00007	2.79	.00007	.00381	.00203	.0274	.00144
%RSD	.10054	6.4561	38.434	.55284	9.6206	572.09	.55418	7.7935	64.003	85.206	.27510	9.7358
#1	100.47	.36362	.00757	-.15440	-.00087	.00006	500.83	.00098	.00326	.00095	9.9589	.01373
#2	100.62	.39841	.00434	-.15320	-.00076	-.00004	504.77	.00088	.00865	.00383	9.9977	.01576
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00762**	**.01256**	**.02688**	**.00400**	**.00121**	**9.8380**	**.01508**	**.00306**	**19.857**	**.00050**	**.00301**	**-.07602**
Stddev	.00094	.00336	.00719	.00045	.00017	.0013	.00003	.00182	.017	.00023	.00004	.00105
%RSD	12.292	26.743	26.743	11.375	13.955	.01338	.22632	59.335	.08771	45.991	1.2705	1.3771
#1	-.00696	.01018	.02180	.00432	.00133	9.8371	.01510	.00435	19.869	.00034	.00299	-.07676
#2	-.00828	.01494	.03196	.00368	.00109	9.8390	.01505	.00178	19.844	.00066	.00304	-.07528
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6653.0**	**84643.**	**8558.8**
Stddev	8.1	61.	52.3
%RSD	.12127	.07178	.61054
#1	6647.2	84600.	8521.8
#2	6658.7	84685.	8595.7

Sample Name: ICVH-2262765 Acquired: 9/25/2013 16:04:08 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00274**	**38.644**	**.00092**	**.00187**	**.00295**	**.00004**	**.52417**	**.00934**	**.00048**	**.00067**	**-.00112**	**-.00389**
Stddev	.00002	.046	.00394	.00035	.00006	.00000	.00109	.00041	.00042	.00003	.00019	.00062
%RSD	.57621	.11839	427.31	18.693	1.9952	8.3098	.20875	4.3819	88.893	4.5809	16.770	15.972
#1	-.00275	38.612	.00371	.00162	.00290	.00005	.52340	.00963	.00078	.00070	-.00099	-.00345
#2	-.00273	38.677	-.00187	.00211	.00299	.00004	.52495	.00905	.00018	.00065	-.00125	-.00433
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.814**	**.14410**	**.00574**	**-.04272**	**-.00029**	**-.00013**	**40.032**	**.00083**	**.00285**	**.00059**	W **3.7264**	**.00350**
Stddev	.502	.02494	.00353	.00248	.00001	.00008	.163	.00006	.00001	.00183	.0085	.00420
%RSD	.63679	17.304	61.453	5.7962	3.3747	64.288	.40616	6.9260	.44576	308.99	.22822	120.05
#1	79.169	.12647	.00824	-.04447	-.00028	-.00007	39.917	.00079	.00284	.00189	3.7324	.00053
#2	78.459	.16173	.00325	-.04097	-.00030	-.00019	40.147	.00087	.00286	-.00070	3.7204	.00647
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											4.0000	
Range											-5.4900%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00300**	**.00173**	**.00370**	**.00188**	**.00019**	W **2.8105**	**.00443**	**.00088**	**5.0478**	**.00140**	**.00116**	**-.02092**
Stddev	.00019	.00601	.01285	.00026	.00003	.0338	.00003	.00094	.0212	.00022	.00001	.00198
%RSD	6.3442	347.74	347.74	13.805	17.624	1.2014	.65967	106.36	.41940	15.679	.89124	9.4695
#1	-.00313	.00597	.01278	.00206	.00021	2.7866	.00441	.00022	5.0329	.00155	.00116	-.01952
#2	-.00286	-.00252	-.00539	.00169	.00016	2.8343	.00445	.00154	5.0628	.00124	.00115	-.02232
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						3.0000						
Range						-5.4900%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6856.9**	**87245.**	**8651.5**
Stddev	44.3	1694.	.5
%RSD	.64601	1.9421	.00545
#1	6825.6	88443.	8651.2
#2	6888.2	86047.	8651.8

Sample Name: ICV-2271053 Acquired: 9/25/2013 16:08:45 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25424**	**.26022**	**.24853**	**.25435**	**.24977**	**.24002**	**.00083**	**2.0133**	**.25126**	**.25402**	**.25510**	**.25023**	**.25205**
Stddev	.00030	.00180	.00322	.00058	.00232	.00185	.00219	.0070	.00238	.00041	.00064	.00045	.00133
%RSD	.11898	.69286	1.2966	.22695	.92890	.77077	264.41	.34677	.94786	.16222	.25155	.17988	.52826
#1	.25445	.25894	.25081	.25394	.24813	.23871	-.00072	2.0083	.24958	.25372	.25465	.24991	.25299
#2	.25402	.26149	.24626	.25475	.25141	.24133	.00238	2.0182	.25295	.25431	.25556	.25055	.25111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.988**	**.25575**	**9.9747**	**.25226**	**.25575**	**2.0515**	**.25563**	**1.9759**	**.25957**	**.01073**	**.25763**	**.48839**	**2.0167**
Stddev	.101	.00027	.0527	.00073	.00071	.0407	.00057	.0061	.00026	.00077	.00069	.00745	.0084
%RSD	.50606	.10747	.52836	.28977	.27864	1.9836	.22354	.30829	.09965	7.1838	.26614	1.5247	.41438
#1	19.917	.25594	10.012	.25278	.25525	2.0227	.25523	1.9716	.25939	.01127	.25811	.48313	2.0226
#2	20.060	.25555	9.9374	.25175	.25626	2.0803	.25604	1.9803	.25975	.01018	.25714	.49366	2.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3157**	**.51338**	**.24754**	**-.00294**	**.25256**	**.52098**	**-.04092**	**.24697**	**.24876**	**.25058**
Stddev	.0179	.00116	.00165	.00116	.00115	.00074	.00302	.00177	.00181	.00115
%RSD	.41438	.22636	.66562	39.302	.45497	.14156	7.3898	.71656	.72734	.46067
#1	4.3284	.51256	.24637	-.00212	.25337	.52151	-.04305	.24823	.25004	.24976
#2	4.3031	.51420	.24870	-.00376	.25175	.52046	-.03878	.24572	.24748	.25139
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6710.2**	**86741.**	**8371.8**
Stddev	1.3	627.	66.2
%RSD	.01960	.72304	.79094
#1	6711.1	86297.	8325.0
#2	6709.2	87184.	8418.6

Sample Name: ICVL2271034 Acquired: 9/25/2013 16:12:12 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01029**	**.10757**	**.01742**	**.10049**	**.01020**	**.00103**	**.11005**	**.20765**	**.00522**	**.01100**	**.01069**	**.01484**	**.10750**
Stddev	.00034	.00047	.00130	.00035	.00032	.00003	.00116	.00073	.00019	.00022	.00016	.00023	.00071
%RSD	3.3098	.43843	7.4890	.34532	3.1162	2.8869	1.0582	.34976	3.6792	1.9651	1.4811	1.5802	.66015
#1	.01053	.10724	.01834	.10073	.00997	.00105	.10923	.20714	.00535	.01085	.01057	.01468	.10700
#2	.01005	.10791	.01650	.10024	.01042	.00101	.11087	.20817	.00508	.01115	.01080	.01501	.10801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1155**	F **.01364**	**.20758**	**.01034**	**.02024**	**1.0824**	**.04284**	**2.9190**	**.00865**	**.00567**	**.01224**	F **.01005**	**.50762**
Stddev	.0202	.00236	.00052	.00009	.00023	.0004	.00022	.0000	.00033	.00131	.00219	.00250	.00277
%RSD	.64693	17.317	.25053	.91374	1.1574	.03708	.51406	.00024	3.7752	23.073	17.930	24.910	.54494
#1	3.1012	.01197	.20721	.01040	.02007	1.0822	.04268	2.9190	.00889	.00660	.01069	.01182	.50957
#2	3.1297	.01531	.20794	.01027	.02040	1.0827	.04299	2.9190	.00842	.00475	.01379	.00828	.50566
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		.01000										.01500	
Range		30.000%										-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0863**	**.10451**	**.01018**	**.01130**	**.00957**	**.01751**	**.05457**	**.01047**	**.02139**	**.01433**
Stddev	.0059	.00016	.00009	.00134	.00012	.00035	.05970	.00004	.00001	.00080
%RSD	.54494	.15734	.90206	11.877	1.2884	2.0109	109.39	.33911	.04896	5.5969
#1	1.0905	.10463	.01012	.01035	.00948	.01726	.09679	.01050	.02140	.01376
#2	1.0821	.10440	.01025	.01225	.00966	.01776	.01236	.01045	.02138	.01490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6803.3**	**88340.**	**8396.7**
Stddev	47.1	498.	17.5
%RSD	.69218	.56403	.20831
#1	6836.6	87988.	8409.0
#2	6770.0	88693.	8384.3

Sample Name: CCVH-2271055 Acquired: 9/25/2013 16:15:57 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00408**	**49.420**	**.00274**	**.00246**	**.00015**	**.00001**	**.99735**	**.01118**	**.00033**	**-.00057**	**-.00085**	**-.00751**	**49.645**
Stddev	.00052	.139	.00136	.00049	.00003	.00007	.00474	.00051	.00019	.00027	.00030	.00004	.144
%RSD	12.755	.28131	49.494	20.009	18.281	1076.9	.47500	4.5853	59.010	47.868	34.845	.48096	.29046
#1	-.00371	49.518	.00370	.00211	.00013	-.00004	1.0007	.01154	.00019	-.00077	-.00064	-.00749	49.543
#2	-.00445	49.321	.00178	.00281	.00017	.00005	.99400	.01081	.00046	-.00038	-.00107	-.00754	49.747
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02534**	**.00714**	**-.08266**	**-.00062**	**-.00050**	**249.83**	**-.00013**	**.00223**	**-.00029**	**4.8435**	**.00297**	**-.00440**	**-.01253**
Stddev	.02592	.00286	.00181	.00005	.00017	.45	.00025	.00239	.00025	.0491	.00024	.00292	.00638
%RSD	102.32	40.043	2.1934	8.6175	33.560	.18034	197.17	107.00	87.129	1.0139	8.1400	66.476	50.901
#1	.00700	.00916	-.08394	-.00059	-.00038	250.15	.00005	.00054	-.00011	4.8782	.00280	-.00646	-.01704
#2	.04367	.00512	-.08138	-.00066	-.00062	249.52	-.00031	.00392	-.00046	4.8088	.00314	-.00233	-.00802
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02682**	**.00196**	**.00035**	**4.8299**	**.00697**	**.00255**	**9.9492**	**.00017**	**-.00028**	**-.03692**
Stddev	.01365	.00092	.00007	.0165	.00043	.00014	.1078	.00025	.00001	.00064
%RSD	50.901	46.985	20.228	.34183	6.1309	5.4762	1.0832	144.28	5.2190	1.7465
#1	-.03647	.00131	.00030	4.8182	.00667	.00245	9.8730	.00035	-.00029	-.03738
#2	-.01716	.00261	.00039	4.8416	.00727	.00264	10.025	.00000	-.00027	-.03647
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6663.8**	**84283.**	**8486.5**
Stddev	21.6	751.	37.6
%RSD	.32358	.89103	.44256
#1	6679.0	84814.	8459.9
#2	6648.5	83752.	8513.0

Sample Name: CCV-2271054 Acquired: 9/25/2013 16:18:15 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50272**	**.50921**	**.98745**	**.49716**	**.49064**	**.48234**	**.00557**	**4.8940**	**.50034**	**.50177**	**.49992**	**.50007**	**2.4604**
Stddev	.00139	.00224	.00126	.00082	.00141	.00149	.00149	.0034	.00110	.00153	.00113	.00036	.0133
%RSD	.27734	.44028	.12753	.16451	.28705	.30929	26.723	.06982	.21923	.30414	.22699	.07154	.53876
#1	.50371	.51079	.98656	.49658	.48964	.48128	.00662	4.8916	.49957	.50069	.49912	.50032	2.4697
#2	.50174	.50762	.98834	.49774	.49163	.48339	.00452	4.8964	.50112	.50284	.50072	.49981	2.4510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.136**	**.99155**	**20.009**	**.50030**	**.49705**	**5.1109**	**.50341**	**.98221**	**1.0130**	**-.00956**	**.95701**	**.99530**	**4.8584**
Stddev	.204	.00130	.037	.00043	.00013	.0049	.00096	.00485	.0003	.00332	.00348	.00545	.0236
%RSD	.41509	.13123	.18493	.08579	.02663	.09565	.19063	.49407	.03054	34.680	.36366	.54746	.48606
#1	48.991	.99063	19.983	.50000	.49696	5.1144	.50273	.98564	1.0128	-.00722	.95947	.99145	4.8417
#2	49.280	.99247	20.036	.50061	.49715	5.1075	.50409	.97878	1.0132	-.01190	.95455	.99915	4.8751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.397**	**1.0030**	**.48964**	**-.00332**	**.49625**	**1.0145**	**-.06308**	**.49573**	**.50155**	**.48237**
Stddev	.051	.0007	.00007	.00078	.00201	.0013	.00743	.00070	.00064	.00596
%RSD	.48606	.06568	.01496	23.593	.40540	.12516	11.786	.14220	.12781	1.2351
#1	10.361	1.0034	.48969	-.00277	.49483	1.0136	-.05782	.49523	.50110	.47816
#2	10.433	1.0025	.48958	-.00388	.49767	1.0154	-.06834	.49623	.50200	.48659
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6829.0**	**87592.**	**8576.6**
Stddev	9.1	312.	117.4
%RSD	.13272	.35626	1.3685
#1	6822.6	87813.	8493.6
#2	6835.4	87371.	8659.6

Sample Name: X Acquired: 9/25/2013 16:20:23 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00075**	**.00202**	**.00112**	**.00049**	**.00016**	**-.00059**	**.00135**	**-.00004**	**.00003**	**.00011**	**-.00124**	**.00052**
Stddev	.00084	.00013	.00164	.00001	.00029	.00009	.00143	.00261	.00010	.00011	.00010	.00010	.00014
%RSD	119.39	17.624	81.320	1.2422	58.659	55.158	242.91	194.41	224.54	335.73	91.582	7.7952	27.500
#1	.00130	.00084	.00086	.00111	.00069	.00022	.00042	-.00050	-.00011	.00011	.00018	-.00131	.00062
#2	.00011	.00066	.00317	.00113	.00028	.00010	-.00159	.00319	.00002	-.00005	.00004	-.00117	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03282**	F **.00718**	**.00396**	**.00003**	**.00060**	**.01460**	**.00013**	**-.00328**	**-.00060**	**-.00228**	F **.01785**	**-.00151**	**-.01489**
Stddev	.03219	.00101	.00361	.00009	.00014	.01958	.00007	.00050	.00028	.00371	.00380	.00352	.00167
%RSD	98.090	14.011	91.238	342.19	23.239	134.09	53.830	15.302	46.474	162.59	21.277	232.95	11.241
#1	.05558	.00789	.00651	-.00004	.00050	.00076	.00008	-.00292	-.00040	-.00490	.01516	.00098	-.01371
#2	.01005	.00647	.00141	.00009	.00070	.02844	.00018	-.00363	-.00079	.00034	.02053	-.00400	-.01607
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.00522									.00628		
Low Limit		-.00522									-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03186**	**.00115**	**.00020**	**-.00074**	**-.00006**	**.00076**	**-.00213**	**.00049**	**.00121**	**-.00067**
Stddev	.00358	.00028	.00002	.00160	.00004	.00031	.03048	.00086	.00045	.00025
%RSD	11.241	24.137	12.431	214.64	66.918	40.531	1434.0	174.07	37.144	37.006
#1	-.02933	.00135	.00018	-.00187	-.00003	.00098	.01943	-.00011	.00089	-.00085
#2	-.03439	.00095	.00022	.00039	-.00008	.00054	-.02368	.00110	.00152	-.00050
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6908.0**	**89871.**	**8495.2**
Stddev	24.7	57.	73.3
%RSD	.35745	.06380	.86273
#1	6925.5	89911.	8443.3
#2	6890.6	89830.	8547.0

Sample Name: ICB Acquired: 9/25/2013 16:23:26 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00017**	**.00137**	**.00088**	**.00053**	**.00000**	**.00038**	**.00376**	**-.00016**	**-.00005**	**.00000**
Stddev	.00097	.00008	.00105	.00027	.00018	.0001	.00010	.00345	.00004	.00003	.00011
%RSD	271.09	48.402	76.389	31.122	33.663	10534.	26.726	91.872	26.640	68.059	3932.6
#1	.00104	.00011	.00063	.00107	.00040	.00008	.00031	.00620	-.00013	-.00007	.00008
#2	-.00033	.00022	.00211	.00069	.00065	-.00009	.00045	.00132	-.00019	-.00002	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.00252**	**.00440**	F **.00813**	**.00226**	**-.00013**	**-.00008**	**-.01827**	**-.00001**	**.00004**	**-.00001**
Stddev	.00019	.00019	.03300	.00092	.00063	.00001	.00027	.00496	.00021	.00038	.00012
%RSD	26.231	7.3697	749.60	11.263	27.913	9.1609	351.10	27.148	1509.7	1039.9	1114.6
#1	-.00087	.00266	-.01893	.00748	.00182	-.00012	-.00027	-.02177	.00013	-.00023	.00007
#2	-.00060	.00239	.02774	.00878	.00271	-.00014	.00011	-.01476	-.00016	.00031	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00205**	W **-.00521**	**-.00536**	**-.01146**	**.00035**	**-.00001**	**.00220**	**-.00008**	**.00009**	**-.02800**
Stddev	.00048	.00313	.00288	.03734	.07990	.00047	.00001	.00268	.00004	.00060	.03023
%RSD	19.954	152.94	55.240	697.17	697.17	136.28	58.778	121.53	54.157	681.90	107.97
#1	.00205	.00426	-.00318	.02105	.04504	.00068	-.00001	.00409	-.00005	.00051	-.04937
#2	.00273	-.00017	-.00725	-.03176	-.06796	.00001	-.00002	.00031	-.00011	-.00034	-.00662
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00000**	**.00061**	**-.00096**
Stddev	.0008	.00006	.00112
%RSD	74864.	9.2067	115.78
#1	.00058	.00057	-.00017
#2	-.00058	.00065	-.00175
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6806.2**	**88044.**	**8397.6**
Stddev	26.2	1267.	10.7
%RSD	.38507	1.4391	.12791
#1	6787.7	88940.	8405.2
#2	6824.8	87148.	8390.1

Sample Name: CRI-2271033 Acquired: 9/25/2013 16:26:04 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.10580**	**.01088**	**.09761**	**.00487**	**.00096**	**.11616**	**.20007**	**.00492**	**.00557**	**.01020**	**.00966**
Stddev	.00082	.00048	.00323	.00059	.00005	.00003	.00215	.00105	.00014	.00018	.00013	.00014
%RSD	7.4922	.45354	29.707	.60726	1.1201	2.8758	1.8488	.52580	2.9041	3.1701	1.2901	1.4755
#1	.01146	.10614	.00860	.09719	.00483	.00095	.11464	.20082	.00482	.00544	.01011	.00956
#2	.01031	.10546	.01317	.09803	.00491	.00098	.11768	.19933	.00502	.00569	.01030	.00976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02985**	**.96131**	F **.01579**	**.20639**	**.00299**	**.01013**	**.98457**	**.01022**	**.96747**	W **.00186**	**.09124**	**.01102**
Stddev	.00071	.03240	.00145	.00115	.00002	.00000	.01530	.00000	.00264	.00009	.00056	.00010
%RSD	2.3749	3.3708	9.1594	.55524	.61521	.00948	1.5535	.01860	.27283	4.9382	.61495	.94938
#1	.03035	.93840	.01477	.20558	.00300	.01013	.97376	.01022	.96560	.00179	.09164	.01110
#2	.02934	.98423	.01682	.20720	.00298	.01013	.99539	.01022	.96933	.00192	.09084	.01095
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value			.01000							.00300		
Range			50.000%							-20.490%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00922**	**.49230**	**1.0535**	**.02039**	**.00500**	F **.00397**	**.00974**	W **.01273**	W **.03263**	**.00983**	W **.01224**	**.01069**
Stddev	.00381	.01227	.0262	.00041	.00001	.00243	.00000	.00043	.02940	.00007	.00005	.00029
%RSD	41.250	2.4917	2.4917	1.9936	.24578	61.101	.04805	3.3976	90.082	.73132	.38523	2.7048
#1	.00653	.50097	1.0721	.02010	.00499	.00569	.00973	.01242	.01185	.00988	.01220	.01049
#2	.01192	.48363	1.0350	.02068	.00501	.00226	.00974	.01303	.05342	.00977	.01227	.01089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
Value						.01000		.01000	.06000		.01000	
Range						-50.000%		20.490%	-20.490%		20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6981.1**	**91281.**	**8644.0**
Stddev	12.3	1366.	4.2
%RSD	.17638	1.4965	.04901
#1	6972.4	90315.	8641.0
#2	6989.9	92247.	8647.0

Sample Name: CRI-2273049 Acquired: 9/25/2013 16:42:21 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00295**	**.00074**	**-.00021**	**.00022**	**-.00005**	**.00182**	**.01217**	**-.00018**	**.00028**
Stddev	.00028	.00012	.00172	.00016	.00005	.00006	.00123	.00074	.00016	.00006
%RSD	245.64	4.1096	231.49	76.132	22.240	114.56	67.963	6.0459	88.336	19.743
#1	-.00032	.00303	-.00047	-.00010	.00018	-.00009	.00269	.01165	-.00007	.00024
#2	.00009	.00286	.00196	-.00032	.00025	-.00001	.00094	.01269	-.00029	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00058**	**.00482**	**-.00651**	**.02360**	**.00170**	**-.00003**	**.00011**	**-.00460**	**-.00004**
Stddev	.00011	.00051	.00131	.08333	.00152	.00132	.00003	.00014	.00805	.00026
%RSD	57.269	88.295	27.280	1279.6	6.4260	77.364	89.112	130.38	175.09	680.02
#1	.00028	-.00022	.00575	-.06543	.02253	.00264	-.00005	.00001	-.01029	.00015
#2	.00012	-.00093	.00389	.05241	.02467	.00077	-.00001	.00021	.00109	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00965**	**.00276**	**.00077**	**-.00385**	**-.00696**	**-.01489**	**.00044**	**-.00006**	**-.00090**
Stddev	.00090	.00043	.00260	.00001	.00029	.00752	.01609	.00064	.00002	.00182
%RSD	618.23	4.4274	94.133	1.6013	7.6315	108.05	108.05	144.06	24.046	202.18
#1	-.00049	.00934	.00092	.00076	-.00406	-.00164	-.00351	-.00001	-.00005	-.00219
#2	.00078	.00995	.00460	.00078	-.00365	-.01228	-.02627	.00090	-.00007	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00059**	**.01326**	**-.00001**	**.02184**	**.00041**
Stddev	.00037	.00051	.00716	.00035	.00019	.00283
%RSD	258.44	85.965	54.042	3350.8	.85064	684.52
#1	.00012	.00023	.01832	.00023	.02171	.00241
#2	-.00041	.00095	.00819	-.00025	.02197	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.7**	**88207.**	**8365.3**
Stddev	42.1	253.	4.9
%RSD	.61623	.28646	.05810
#1	6807.9	88385.	8368.7
#2	6867.5	88028.	8361.9

Sample Name: ICSA-2212965 Acquired: 9/25/2013 16:49:45 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**499.58**	**-.00119**	**-.00096**	**.00008**	**-.00006**	W **.02698**	**468.53**	W **.00190**	**-.00051**	W **-.00221**
Stddev	.00095	3.35	.00027	.00116	.00008	.00004	.00303	1.67	.00034	.00008	.00022
%RSD	212.21	.67092	22.382	119.91	101.61	75.499	11.241	.35537	18.017	15.257	9.9279
#1	-.00112	497.21	-.00100	-.00178	.00002	-.00009	.02912	467.35	.00165	-.00056	-.00206
#2	.00022	501.95	-.00138	-.00015	.00014	-.00003	.02483	469.71	.00214	-.00045	-.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit							.01200		.00080		.00186
Low Limit							-.01200		-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	**189.13**	**.03391**	W **-.01209**	**526.20**	W **.00064**	**-.00016**	**.13073**	**-.00056**	**-.00183**	**.00429**
Stddev	.00015	.71	.10067	.00022	.80	.00011	.00043	.00041	.00048	.00266	.00352
%RSD	6.5373	.37389	296.91	1.8047	.15205	17.059	277.64	.31287	86.043	145.43	82.074
#1	.00221	188.63	-.03728	-.01224	525.63	.00056	-.00046	.13102	-.00022	-.00371	.00180
#2	.00242	189.63	.10509	-.01193	526.76	.00071	.00015	.13044	-.00090	.00005	.00678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06766**	F **.01060**	**-.00590**	**.00474**	**.01015**	**.00093**	W **.01516**	**-.00301**	**-.00074**	**-.00285**	**-.04775**
Stddev	.00147	.00183	.00540	.01293	.02766	.00010	.00015	.00184	.00025	.00010	.02065
%RSD	2.1696	17.243	91.518	272.61	272.61	10.469	.97083	61.051	33.119	3.5173	43.239
#1	-.06662	.01189	-.00208	-.00440	-.00941	.00099	.01506	-.00171	-.00057	-.00292	-.06235
#2	-.06870	.00931	-.00972	.01388	.02971	.00086	.01527	-.00431	-.00092	-.00278	-.03315
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00800					.00050				
Low Limit		-.02000					-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **.00512**	**-.00389**	**-.00181**
Stddev	.00002	.00072	.00011
%RSD	.34094	18.577	5.8749
#1	.00510	-.00338	-.00189
#2	.00513	-.00440	-.00173
Check ?	Chk Warn	Chk Pass	Chk Pass
High Limit	.00222		
Low Limit	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6180.8**	**76323.**	**8374.1**
Stddev	15.9	438.	91.0
%RSD	.25671	.57431	1.0867
#1	6169.5	76013.	8438.4
#2	6192.0	76633.	8309.7

Sample Name: ICSAB-2262827 Acquired: 9/25/2013 16:52:13 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1220**	**491.04**	**2.0012**	**1.8502**	**.50087**	**.47903**	**1.0045**	**466.75**	**1.0187**	**.46850**	**.48602**	**.54637**	**186.33**
Stddev	.0053	1.68	.0069	.0014	.00285	.00142	.0020	4.70	.0011	.00024	.00070	.00198	1.31
%RSD	.47387	.34309	.34601	.07746	.56853	.29670	.20155	1.0071	.10743	.05085	.14448	.36259	.70186
#1	1.1182	492.23	1.9963	1.8512	.50288	.48004	1.0030	463.43	1.0194	.46833	.48651	.54497	187.25
#2	1.1258	489.85	2.0061	1.8492	.49885	.47803	1.0059	470.07	1.0179	.46867	.48552	.54778	185.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.914**	**1.0100**	**509.89**	**.51461**	**.95136**	**50.330**	**.92639**	**1.9131**	**.93590**	F **9.5336**	**.98193**	**4.7449**	**10.264**
Stddev	.207	.0013	12.29	.00262	.00038	.524	.00058	.0059	.00132	.0031	.00568	.0050	.044
%RSD	.39860	.12911	2.4098	.50820	.04018	1.0415	.06264	.31070	.14082	.03239	.57893	.10602	.43092
#1	52.060	1.0091	501.21	.51276	.95163	50.701	.92680	1.9173	.93497	9.5357	.97791	4.7413	10.295
#2	51.768	1.0110	518.58	.51646	.95109	49.959	.92598	1.9089	.93683	9.5314	.98595	4.7484	10.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value										1.0000			
Range										20.000%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.964**	**9.1330**	**.98951**	**2.0185**	**1.0278**	**8.4538**	**-.04876**	**.51660**	**1.0004**	**.96155**
Stddev	.095	.0020	.00500	.0170	.0079	.0027	.00331	.00433	.0043	.00426
%RSD	.43092	.02149	.50480	.84145	.76844	.03175	6.7881	.83872	.43015	.44309
#1	22.031	9.1316	.99305	2.0065	1.0222	8.4519	-.05110	.51354	.99733	.96456
#2	21.897	9.1344	.98598	2.0305	1.0334	8.4557	-.04642	.51966	1.0034	.95854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6200.8**	**75805.**	**8299.5**
Stddev	6.7	318.	21.6
%RSD	.10868	.41894	.26031
#1	6205.5	76029.	8284.3
#2	6196.0	75580.	8314.8

Sample Name: LRA-2218414 Acquired: 9/25/2013 16:54:33 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1144**	**.15153**	F **19.523**	F **.40544**	**12.135**	**-.00177**	**.11414**	**.14495**	**2.0388**	**5.0541**	**10.127**	**10.543**	R **509.41**
Stddev	.0112	.00360	.004	.00002	.281	.00011	.00042	.03922	.0022	.0006	.015	.062	1.97
%RSD	.52890	2.3753	.01960	.00616	2.3124	5.9562	.36648	27.059	.10758	.01236	.14719	.58769	.38607
#1	2.1223	.15408	19.521	.40546	11.937	-.00170	.11444	.17269	2.0404	5.0546	10.138	10.587	508.02
#2	2.1065	.14899	19.526	.40542	12.334	-.00185	.11385	.11722	2.0373	5.0537	10.117	10.499	510.80
Check ?	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			10.000	10.000									
Range			10.000%	-10.000%									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.19424**	**-.00129**	**.02046**	**10.079**	**5.1540**	**.00667**	**10.194**	**.01832**	**10.391**	**-.07824**	**-.10775**	**4.9030**	**47.815**
Stddev	.03500	.00196	.00595	.081	.0018	.00996	.005	.00208	.015	.00256	.00298	.0079	.643
%RSD	18.021	151.26	29.092	.80687	.03561	149.33	.04556	11.378	.14382	3.2669	2.7615	.16195	1.3440
#1	-.16949	.00009	.02467	10.022	5.1527	.01371	10.198	.01979	10.401	-.07644	-.10564	4.9087	47.360
#2	-.21899	-.00268	.01625	10.137	5.1553	-.00037	10.191	.01684	10.380	-.08005	-.10985	4.8974	48.269
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.32**	**-.00095**	**10.167**	**-.03732**	**10.087**	**5.1186**	**-.10487**	**10.075**	**9.8869**	**.00303**
Stddev	1.38	.00006	.095	.00044	.049	.0063	.00176	.042	.0314	.00042
%RSD	1.3440	6.8270	.93187	1.1885	.48428	.12412	1.6830	.41834	.31804	13.789
#1	101.35	-.00100	10.100	-.03701	10.122	5.1141	-.10612	10.105	9.9092	.00273
#2	103.30	-.00091	10.234	-.03763	10.053	5.1231	-.10362	10.046	9.8647	.00332
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6609.2**	**85019.**	**8322.3**
Stddev	6.6	66.	40.7
%RSD	.09963	.07817	.48940
#1	6604.5	85066.	8351.1
#2	6613.8	84972.	8293.5

Sample Name: CCVH-2271055 Acquired: 9/25/2013 16:57:37 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00467**	**49.635**	**.00432**	**.00349**	**.00076**	**-.00003**	**1.0059**	**.01599**	**.00034**	**-.00031**	**-.00067**	**-.00780**	**50.993**
Stddev	.00032	.024	.00152	.00120	.00034	.00006	.0045	.00540	.00040	.00026	.00002	.00021	.036
%RSD	6.7813	.04867	35.078	34.494	44.716	233.20	.44475	33.745	116.86	83.377	2.9950	2.7372	.07133
#1	-.00490	49.618	.00539	.00434	.00100	-.00007	1.0091	.01980	.00062	-.00050	-.00068	-.00765	51.019
#2	-.00445	49.652	.00325	.00264	.00052	.00002	1.0027	.01217	.00006	-.00013	-.00066	-.00795	50.968
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09091**	**.00164**	**-.07935**	**-.00063**	**.00015**	**251.39**	**.00007**	**.00301**	**-.00025**	**4.9150**	**.00046**	**-.00490**	**.02641**
Stddev	.10557	.00074	.00301	.00002	.00017	.25	.00004	.00049	.00099	.0234	.00023	.00211	.00665
%RSD	116.13	45.453	3.7965	2.5587	113.32	.10015	55.467	16.450	393.53	.47649	50.922	43.059	25.168
#1	-.16555	.00216	-.08148	-.00062	.00003	251.21	.00004	.00336	.00045	4.9315	.00029	-.00340	.03111
#2	-.01626	.00111	-.07722	-.00064	.00028	251.57	.00010	.00266	-.00095	4.8984	.00063	-.00639	.02171
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05651**	**.00175**	**.00045**	**4.8706**	**.00840**	**.00250**	**10.000**	**.00023**	**.00087**	**-.03772**
Stddev	.01422	.00001	.00013	.0274	.00013	.00161	.045	.00091	.00021	.00503
%RSD	25.168	.72646	29.919	.56206	1.5244	64.374	.44542	398.93	24.108	13.324
#1	.06656	.00176	.00036	4.8899	.00849	.00363	10.032	-.00042	.00072	-.04127
#2	.04645	.00174	.00055	4.8512	.00831	.00136	9.9688	.00087	.00102	-.03416
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6723.9**	**85790.**	**8600.6**
Stddev	1.0	500.	3.5
%RSD	.01538	.58238	.04046
#1	6724.6	85437.	8603.0
#2	6723.2	86144.	8598.1

Sample Name: CCV-2271054 Acquired: 9/25/2013 16:59:59 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50094**	**.51107**	**.99272**	**.49995**	**.49958**	**.48939**	**.00282**	**4.9691**	**.50006**	**.50263**	**.49648**	**.49976**	**2.4917**
Stddev	.00014	.00156	.00114	.00019	.00029	.00124	.00112	.0040	.00072	.00213	.00120	.00038	.0226
%RSD	.02734	.30476	.11496	.03720	.05803	.25243	39.806	.08077	.14462	.42422	.24267	.07657	.90761
#1	.50103	.51217	.99191	.49982	.49978	.49027	.00203	4.9720	.49955	.50414	.49733	.50003	2.5077
#2	.50084	.50997	.99352	.50008	.49937	.48852	.00362	4.9663	.50057	.50112	.49563	.49949	2.4757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.063**	**.99723**	**20.079**	**.49817**	**.50108**	**5.1883**	**.50113**	**.99139**	**1.0134**	**-.00234**	**.96239**	**.99379**	**4.9008**
Stddev	.122	.00253	.000	.00054	.00005	.0579	.00092	.00470	.0017	.00039	.00387	.00048	.0173
%RSD	.24329	.25358	.00112	.10819	.00951	1.1163	.18310	.47428	.16497	16.538	.40242	.04812	.35378
#1	50.149	.99902	20.079	.49779	.50104	5.2293	.50178	.98807	1.0122	-.00206	.96513	.99345	4.9131
#2	49.976	.99544	20.078	.49855	.50111	5.1473	.50049	.99471	1.0146	-.00261	.95965	.99413	4.8886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.488**	**1.0084**	**.49706**	**-.00413**	**.49465**	**1.0175**	**-.02712**	**.49270**	**.50074**	**.49266**
Stddev	.037	.0012	.00065	.00045	.00016	.0011	.01549	.00050	.00102	.00265
%RSD	.35378	.11733	.13080	10.918	.03232	.11092	57.106	.10207	.20324	.53808
#1	10.514	1.0092	.49752	-.00445	.49477	1.0183	-.03807	.49235	.50002	.49078
#2	10.462	1.0075	.49660	-.00381	.49454	1.0167	-.01617	.49306	.50146	.49453
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6917.6**	**88519.**	**8504.9**
Stddev	40.3	5.	39.2
%RSD	.58225	.00512	.46136
#1	6889.1	88515.	8532.6
#2	6946.1	88522.	8477.1

Sample Name: CCB Acquired: 9/25/2013 17:02:07 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00184**	**.00272**	**.00122**	**.00040**	**.00023**	**-.00215**	**.00328**	**-.00022**	**.00007**	**.00015**	**-.00043**
Stddev	.00021	.00027	.00001	.00036	.00008	.00008	.00114	.00615	.00010	.00005	.00002	.00018
%RSD	52.279	14.547	.48884	29.165	20.360	35.457	53.222	187.63	46.506	64.669	14.786	42.738
#1	.00026	.00202	.00273	.00097	.00046	.00028	-.00134	.00762	-.00015	.00010	.00013	-.00056
#2	.00056	.00165	.00272	.00147	.00034	.00017	-.00295	-.00107	-.00029	.00004	.00016	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00657**	**-.02348**	**.00120**	**.00900**	**.00006**	**.00042**	**.00474**	**.00002**	**-.00171**	**-.00026**	**-.00235**	F **.01710**
Stddev	.00066	.01320	.00144	.00270	.00007	.00001	.00481	.00019	.00032	.00121	.00177	.00387
%RSD	9.9957	56.220	120.31	30.002	127.21	2.7311	101.30	799.69	18.589	458.52	75.359	22.610
#1	.00703	-.01414	.00018	.01091	.00011	.00042	.00135	-.00011	-.00148	.00059	-.00360	.01436
#2	.00610	-.03281	.00222	.00709	.00001	.00041	.00814	.00015	-.00193	-.00112	-.00110	.01983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**-.01166**	**-.02495**	**.00067**	**.00023**	**.00104**	**.00020**	**.00074**	F **-.06693**	**.00040**	**.00182**	**.00088**
Stddev	.00552	.00869	.01860	.00016	.00000	.00198	.00008	.00036	.00890	.00036	.00005	.00179
%RSD	228.65	74.541	74.541	24.425	1.9501	190.63	38.189	48.048	13.296	91.119	2.9224	203.32
#1	.00149	-.00551	-.01180	.00079	.00023	.00244	.00025	.00100	-.07322	.00065	.00178	-.00039
#2	-.00631	-.01780	-.03810	.00055	.00023	-.00036	.00015	.00049	-.06064	.00014	.00186	.00215
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6980.1**	**89863.**	**8586.0**
Stddev	8.1	789.	65.1
%RSD	.11672	.87843	.75853
#1	6985.9	89305.	8632.1
#2	6974.3	90422.	8540.0

Sample Name: CCVL2271034 Acquired: 9/25/2013 17:04:27 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01007**	**.10950**	**.01603**	**.09865**	**.01009**	**.00102**	**.11080**	**.22498**	**.00519**	**.01091**	**.01043**	**.01505**	F **.14899**
Stddev	.00034	.00023	.00022	.00056	.00015	.00005	.00231	.00315	.00033	.00018	.00025	.00019	.00070
%RSD	3.3421	.21320	1.3688	.57173	1.5346	4.7540	2.0874	1.3982	6.3646	1.6894	2.4043	1.2543	.46717
#1	.00983	.10933	.01618	.09826	.01020	.00105	.10917	.22721	.00496	.01104	.01060	.01492	.14949
#2	.01031	.10966	.01587	.09905	.00998	.00098	.11244	.22276	.00542	.01078	.01025	.01518	.14850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0508**	**.00971**	**.21748**	**.01068**	**.02037**	**1.0635**	**.04193**	**2.9416**	**.00996**	**.01358**	F **.01663**	**.01098**	**.50380**
Stddev	.0071	.00267	.00248	.00007	.00025	.0024	.00014	.0049	.00060	.00080	.00345	.00137	.00160
%RSD	.23141	27.470	1.1396	.68787	1.2035	.22196	.34263	.16613	6.0659	5.9186	20.726	12.497	.31682
#1	3.0558	.00782	.21573	.01073	.02020	1.0652	.04183	2.9381	.00953	.01301	.01419	.01196	.50493
#2	3.0458	.01160	.21923	.01062	.02055	1.0619	.04204	2.9451	.01039	.01415	.01907	.01001	.50267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0781**	**.10428**	**.01019**	**.01497**	**.01057**	**.01691**	F **.01829**	**.01040**	**.02329**	**.01516**
Stddev	.0034	.00080	.00007	.00287	.00007	.00095	.05888	.00041	.00015	.00129
%RSD	.31682	.76593	.64289	19.197	.69532	5.5938	321.96	3.9263	.64765	8.4826
#1	1.0806	.10484	.01014	.01294	.01052	.01624	.05992	.01069	.02339	.01425
#2	1.0757	.10371	.01023	.01701	.01062	.01757	-.02335	.01011	.02318	.01607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6908.1**	**88838.**	**8573.5**
Stddev	5.8	196.	29.0
%RSD	.08377	.22100	.33799
#1	6904.0	88699.	8594.0
#2	6912.2	88976.	8553.0

Sample Name: mb 280-192487/1-a Acquired: 9/25/2013 17:06:46 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.01206**	**.00144**	**.00150**	**.00026**	**.00008**	**-.00011**	**.00926**	**-.00011**	**.00014**
Stddev	.00077	.00002	.00379	.00000	.00028	.00000	.00000	.00343	.00001	.00011
%RSD	610.53	.19382	262.37	.21698	108.26	.16266	2.0896	37.073	11.670	75.066
#1	-.00042	.01205	.00412	.00150	.00006	.00008	-.00011	.01169	-.00010	.00022
#2	.00067	.01208	-.00123	.00150	.00046	.00008	-.00012	.00683	-.00012	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00074**	**.01813**	**-.06476**	**.00137**	**.00699**	**.00024**	**-.00001**	**-.00089**	**.00005**
Stddev	.00012	.00091	.00056	.01253	.00333	.00037	.00002	.00003	.01354	.00003
%RSD	71.688	122.71	3.0887	19.350	242.96	5.2447	6.6068	245.26	1516.6	63.687
#1	.00025	-.00138	.01773	-.07362	.00372	.00674	.00025	.00001	.00868	.00007
#2	.00008	-.00010	.01853	-.05590	-.00098	.00725	.00023	-.00003	-.01046	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00108**	**.00805**	**.00241**	**-.00648**	**.01723**	**.03688**	**.00124**	**-.00002**	**.00045**
Stddev	.00013	.00022	.00060	.00078	.00101	.00983	.02104	.00031	.00006	.00243
%RSD	69.005	20.246	7.4666	32.523	15.517	57.054	57.054	24.819	277.51	543.69
#1	-.00010	-.00123	.00847	.00297	-.00719	.02419	.05176	.00102	-.00006	-.00127
#2	-.00029	-.00092	.00762	.00186	-.00577	.01028	.02200	.00146	.00002	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00011**	**-.02394**	**-.00017**	**.00355**	**.00059**
Stddev	.00024	.00088	.06671	.00010	.00018	.00006
%RSD	344.69	831.20	278.62	61.346	5.2001	9.9244
#1	.00010	.00073	.02323	-.00009	.00368	.00064
#2	-.00024	-.00052	-.07112	-.00024	.00342	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.7**	**89167.**	**8539.9**
Stddev	33.8	425.	281.4
%RSD	.49131	.47692	3.2948
#1	6861.8	88866.	8738.9
#2	6909.6	89467.	8340.9

Sample Name: lcs 280-192487/2-a Acquired: 9/25/2013 17:09:04 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04866**	**1.9819**	**1.0291**	**1.0111**	**2.0675**	**.05035**	**2.0733**	**50.249**	**.10390**	**.50223**
Stddev	.00050	.0130	.0068	.0032	.0092	.00030	.0077	.280	.00037	.00269
%RSD	1.0230	.65644	.66194	.31535	.44350	.58799	.36967	.55726	.35911	.53619
#1	.04901	1.9911	1.0243	1.0089	2.0610	.05014	2.0678	50.051	.10364	.50413
#2	.04831	1.9727	1.0339	1.0134	2.0740	.05056	2.0787	50.447	.10416	.50032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20354**	**.25615**	**1.0045**	**51.493**	**1.0229**	**51.619**	**.51031**	**1.0276**	**51.470**	**.50209**
Stddev	.00032	.00028	.0013	.278	.0078	.010	.00065	.0031	1.051	.00022
%RSD	.15764	.10753	.12488	.53970	.75866	.01913	.12701	.29743	2.0429	.04462
#1	.20331	.25596	1.0036	51.296	1.0174	51.626	.51077	1.0298	50.726	.50193
#2	.20377	.25635	1.0054	51.689	1.0283	51.612	.50985	1.0254	52.213	.50225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.321**	**.50871**	**-.01199**	**.50219**	**2.0085**	**10.127**	**21.671**	**2.0372**	**1.0217**	**.98710**
Stddev	.016	.00284	.00213	.00168	.0058	.086	.183	.0067	.0036	.00454
%RSD	.15930	.55892	17.790	.33526	.28972	.84440	.84440	.32951	.35475	.45953
#1	10.332	.50670	-.01350	.50338	2.0126	10.066	21.542	2.0419	1.0192	.99031
#2	10.309	.51072	-.01048	.50100	2.0044	10.187	21.800	2.0324	1.0243	.98389
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0303**	**2.0073**	**2.1458**	**.51525**	**.51265**	**.50428**
Stddev	.0024	.0026	.0269	.00049	.00026	.00450
%RSD	.23075	.12738	1.2519	.09457	.05131	.89270
#1	1.0320	2.0091	2.1648	.51560	.51247	.50110
#2	1.0286	2.0055	2.1268	.51491	.51284	.50747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6669.4**	**84433.**	**8316.3**
Stddev	57.2	2.	6.4
%RSD	.85789	.00263	.07638
#1	6629.0	84434.	8320.8
#2	6709.9	84431.	8311.8

Sample Name: 280-46906-a-3-a Acquired: 9/25/2013 17:11:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.06361**	**-.00167**	**1.1584**	**.02369**	**.00008**	**-.00070**	**221.64**	**.00127**	**.00294**
Stddev	.00087	.00081	.00192	.0036	.00049	.00002	.00241	7.18	.00017	.00010
%RSD	412.85	1.2667	114.90	.31126	2.0776	20.411	343.74	3.2378	13.436	3.3755
#1	.00040	.06418	-.00031	1.1610	.02404	.00009	.00101	226.71	.00115	.00287
#2	-.00082	.06304	-.00303	1.1559	.02334	.00007	-.00241	216.56	.00139	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**.00159**	**3.2929**	**24.645**	**.13693**	**215.38**	**.28364**	**.00216**	W **508.85**	**.00881**
Stddev	.00012	.00011	.0486	.033	.00340	2.70	.00118	.00014	3.16	.00013
%RSD	10.447	6.9068	1.4761	.13483	2.4846	1.2555	.41493	6.6943	.62023	1.4659
#1	.00127	.00166	3.3273	24.621	.13934	213.47	.28447	.00206	511.08	.00872
#2	.00110	.00151	3.2585	24.668	.13453	217.29	.28281	.00226	506.62	.00891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01307**	**-.00057**	F **576.91**	**.00159**	W **-.00535**	**6.1899**	**13.246**	**.00006**	W **7.1433**	**.00227**
Stddev	.00234	.00073	.16	.00059	.00119	.0962	.206	.00047	.0262	.00095
%RSD	17.892	129.46	.02746	36.815	22.293	1.5541	1.5541	732.94	.36645	41.708
#1	.01472	-.00005	577.02	.00118	-.00619	6.2579	13.392	-.00027	7.1248	.00160
#2	.01142	-.00109	576.80	.00201	-.00451	6.1219	13.101	.00040	7.1618	.00294
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00		5.0000				5.0000	
Low Limit			-.20000		-.00500				-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00134**	W **-.06887**	**.00152**	**.00565**	**.00068**
Stddev	.00031	.00222	.01493	.00131	.00034	.00132
%RSD	25.005	165.18	21.675	85.883	6.0215	194.38
#1	.00147	.00291	-.07943	.00060	.00541	-.00025
#2	.00103	-.00023	-.05832	.00244	.00589	.00161
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6330.1**	**81289.**	**8373.7**
Stddev	10.8	84.	128.5
%RSD	.17099	.10357	1.5346
#1	6337.8	81349.	8282.9
#2	6322.5	81230.	8464.6

Sample Name: 280-46906-a-3-aSD@5 Acquired: 9/25/2013 17:13:53 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.03406**	**.00061**	**.24571**	**.00497**	**.00002**	**.00083**	**44.819**	**.00038**	**.00085**
Stddev	.00044	.00073	.00159	.00003	.00023	.00000	.00027	.053	.00001	.00020
%RSD	1414.0	2.1327	259.90	.01373	4.6002	20.599	32.654	.11786	3.0939	23.607
#1	.00034	.03457	-.00051	.24573	.00481	.00002	.00102	44.782	.00037	.00071
#2	-.00028	.03355	.00174	.24568	.00513	.00001	.00064	44.857	.00039	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00020**	**.68894**	**4.9280**	**.02733**	**43.502**	**.05781**	**.00031**	**101.37**	**.00176**
Stddev	.00003	.00026	.00081	.0597	.00006	.267	.00035	.00027	.15	.00000
%RSD	8.3573	128.08	.11686	1.2113	.22460	.61397	.59997	87.282	.15043	.27180
#1	.00037	.00038	.68837	4.8857	.02729	43.691	.05805	.00051	101.26	.00176
#2	.00041	.00002	.68951	4.9702	.02738	43.314	.05756	.00012	101.48	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00008**	**116.87**	**-.00049**	W **-.00633**	**1.2336**	**2.6400**	**.00026**	**1.4370**	**-.00108**
Stddev	.00169	.00034	.08	.00146	.00181	.0075	.0161	.00057	.0026	.00118
%RSD	835.26	414.39	.07134	296.67	28.593	.61006	.61006	214.06	.17734	109.95
#1	.00140	.00016	116.93	-.00153	-.00760	1.2390	2.6514	.00067	1.4352	-.00024
#2	-.00099	-.00033	116.81	.00054	-.00505	1.2283	2.6286	-.00014	1.4388	-.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00123**	**.00108**	**.00015**	**.00535**	**-.00150**
Stddev	.00033	.00136	.03657	.00045	.00012	.00080
%RSD	78.604	110.75	3399.5	307.39	2.3259	53.723
#1	.00065	.00027	.02694	.00046	.00544	-.00093
#2	.00019	.00219	-.02478	-.00017	.00526	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6642.7**	**85893.**	**8410.6**
Stddev	7.5	621.	17.3
%RSD	.11222	.72312	.20584
#1	6637.5	85454.	8422.9
#2	6648.0	86332.	8398.4

Sample Name: 280-46906-a-3-b ms Acquired: 9/25/2013 17:16:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04900**	**1.9922**	**1.0478**	**2.1149**	**2.0499**	**.04837**	F **2.0144**	**261.66**	**.10507**	**.48560**
Stddev	.00102	.0016	.0059	.0008	.0152	.00032	.0086	1.14	.00008	.00073
%RSD	2.0757	.07958	.56008	.04037	.74369	.67085	.42758	.43727	.07280	.15124
#1	.04972	1.9911	1.0519	2.1143	2.0607	.04860	2.0083	262.47	.10501	.48508
#2	.04828	1.9933	1.0436	2.1155	2.0391	.04814	2.0205	260.85	.10512	.48612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19878**	**.25075**	**4.1848**	**76.510**	**1.1486**	**265.16**	**.77166**	**1.0227**	W **554.52**	**.48645**
Stddev	.00027	.00022	.0265	.340	.0114	6.49	.00072	.0013	2.36	.00065
%RSD	.13373	.08754	.63203	.44444	.99143	2.4492	.09339	.12666	.42562	.13306
#1	.19897	.25059	4.2035	76.751	1.1567	269.75	.77217	1.0236	556.19	.48600
#2	.19859	.25090	4.1661	76.270	1.1405	260.56	.77115	1.0218	552.85	.48691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.705**	**.47191**	F **577.12**	**.51267**	**2.0440**	**16.238**	**34.749**	**1.9683**	W **8.2169**	**.96291**
Stddev	.014	.00114	.42	.00124	.0019	.095	.204	.0037	.0090	.00391
%RSD	.12780	.24155	.07293	.24221	.09312	.58684	.58684	.19060	.10944	.40592
#1	10.714	.47111	577.42	.51355	2.0426	16.305	34.893	1.9656	8.2106	.96567
#2	10.695	.47272	576.82	.51180	2.0453	16.170	34.605	1.9709	8.2233	.96015
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0202**	**1.7572**	**2.0041**	**.50679**	**.49444**	**.49495**
Stddev	.0007	.0008	.0308	.00023	.00122	.00753
%RSD	.07030	.04464	1.5358	.04443	.24588	1.5219
#1	1.0197	1.7577	1.9824	.50695	.49530	.50027
#2	1.0207	1.7566	2.0259	.50663	.49358	.48962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6211.6**	**80532.**	**8548.0**
Stddev	1.6	261.	78.5
%RSD	.02610	.32385	.91784
#1	6212.7	80347.	8603.5
#2	6210.4	80716.	8492.5

Sample Name: 280-46906-a-3-c msd Acquired: 9/25/2013 17:18:42 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05100**	**2.0309**	**1.0790**	**2.1336**	**2.1188**	**.05024**	F **2.0527**	**266.63**	**.10750**	**.49573**
Stddev	.00053	.0044	.0109	.0013	.0044	.00027	.0017	1.94	.00006	.00026
%RSD	1.0402	.21565	1.0139	.06111	.20845	.52990	.08324	.72941	.06027	.05179
#1	.05063	2.0340	1.0713	2.1327	2.1157	.05005	2.0539	265.25	.10745	.49592
#2	.05138	2.0278	1.0867	2.1345	2.1219	.05043	2.0515	268.00	.10755	.49555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20328**	**.25804**	**4.2407**	**78.905**	**1.1797**	**264.93**	**.78852**	**1.0370**	W **558.56**	**.49876**
Stddev	.00049	.00072	.0075	.217	.0005	2.85	.00069	.0003	1.09	.00017
%RSD	.24105	.27838	.17659	.27534	.04150	1.0763	.08793	.02963	.19555	.03494
#1	.20293	.25753	4.2354	78.751	1.1800	266.94	.78901	1.0372	557.79	.49864
#2	.20363	.25855	4.2460	79.058	1.1794	262.91	.78803	1.0368	559.33	.49888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.017**	**.48511**	F **577.17**	**.51538**	**2.0874**	**16.665**	**35.662**	**1.9838**	W **8.1981**	**.99540**
Stddev	.007	.00134	1.03	.00367	.0026	.037	.080	.0014	.0131	.00661
%RSD	.06403	.27716	.17794	.71178	.12237	.22294	.22294	.06976	.15937	.66420
#1	11.022	.48607	576.45	.51279	2.0892	16.638	35.606	1.9848	8.2073	1.0001
#2	11.012	.48416	577.90	.51798	2.0856	16.691	35.719	1.9829	8.1888	.99073
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0354**	**1.8016**	**2.0746**	**.52245**	**.50884**	**.50984**
Stddev	.0019	.0016	.0479	.00065	.00131	.00406
%RSD	.18830	.08771	2.3077	.12386	.25657	.79712
#1	1.0367	1.8027	2.1084	.52291	.50976	.50697
#2	1.0340	1.8004	2.0407	.52200	.50792	.51271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6203.4**	**79076.**	**8266.2**
Stddev	33.2	129.	97.9
%RSD	.53500	.16313	1.1841
#1	6179.9	78984.	8335.4
#2	6226.9	79167.	8197.0

Sample Name: 280-46906-a-3-aPDS Acquired: 9/25/2013 17:21:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05061**	**1.0082**	**.20366**	**1.2385**	**.12233**	**.04741**	**.00015**	**232.57**	**.05176**	**.05069**
Stddev	.00003	.0033	.00295	.0028	.00088	.00015	.00190	5.21	.00010	.00023
%RSD	.06346	.32313	1.4463	.22957	.71821	.31804	1289.5	2.2419	.18857	.45655
#1	.05058	1.0059	.20575	1.2405	.12295	.04752	-.00120	236.26	.05183	.05085
#2	.05063	1.0105	.20158	1.2365	.12171	.04731	.00149	228.88	.05169	.05052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04964**	**.05088**	**4.1034**	**44.781**	**.22713**	**230.48**	**.32623**	**.05167**	W **514.64**	**.05527**
Stddev	.00036	.00031	.0184	.149	.00259	.80	.00101	.00010	1.76	.00042
%RSD	.71521	.60887	.44947	.33251	1.1391	.34663	.30867	.19942	.34232	.76501
#1	.04989	.05109	4.1164	44.887	.22531	231.05	.32551	.05159	515.88	.05557
#2	.04939	.05066	4.0904	44.676	.22896	229.92	.32694	.05174	513.39	.05497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1556**	**.09254**	F **568.79**	**.09988**	**.19377**	**10.876**	**23.274**	**.09540**	W **7.0364**	**.19055**
Stddev	.0036	.00145	.28	.00294	.00071	.059	.126	.00166	.1396	.00047
%RSD	.16607	1.5647	.04928	2.9458	.36690	.54342	.54342	1.7421	1.9836	.24444
#1	2.1582	.09152	568.59	.10196	.19427	10.834	23.185	.09657	7.1351	.19088
#2	2.1531	.09357	568.99	.09780	.19326	10.918	23.364	.09422	6.9377	.19023
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05169**	**.17455**	**.47319**	**.05163**	**.20357**	**.04870**
Stddev	.00050	.00091	.03834	.00016	.00047	.00245
%RSD	.96573	.52008	8.1025	.30193	.22878	5.0400
#1	.05205	.17520	.50030	.05174	.20390	.05044
#2	.05134	.17391	.44607	.05152	.20324	.04697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6332.2**	**81172.**	**8542.1**
Stddev	6.6	206.	80.9
%RSD	.10346	.25316	.94690
#1	6336.8	81027.	8484.9
#2	6327.6	81318.	8599.3

Sample Name: CCVH-2271055 Acquired: 9/25/2013 17:23:47 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00513**	**49.556**	**.00447**	**.00931**	**.00068**	**.00001**	**1.0130**	**.10999**	**.00062**	**-.00059**	**-.00085**	**-.00827**	**50.694**
Stddev	.00019	.059	.00211	.00111	.00026	.00001	.0005	.04938	.00007	.00029	.00008	.00022	.559
%RSD	3.6936	.11855	47.190	11.876	38.469	175.41	.05141	44.896	11.994	49.691	9.6033	2.6220	1.1020
#1	-.00526	49.598	.00298	.01009	.00087	.00002	1.0134	.14491	.00056	-.00038	-.00090	-.00842	51.089
#2	-.00499	49.514	.00596	.00852	.00050	.00000	1.0127	.07507	.00067	-.00079	-.00079	-.00812	50.299
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35169**	**.00196**	**-.04647**	**-.00053**	**-.00022**	**251.08**	**.00038**	**.00291**	**.00048**	**5.0820**	**.00217**	**-.00122**	**.01639**
Stddev	.08640	.00034	.00427	.00007	.00018	.69	.00007	.00030	.00078	.0060	.00321	.00228	.01046
%RSD	24.567	17.342	9.1896	12.637	82.723	.27527	19.479	10.149	163.41	.11804	148.20	186.77	63.806
#1	.41279	.00220	-.04345	-.00048	-.00035	251.56	.00033	.00271	-.00007	5.0863	-.00010	.00039	.02379
#2	.29060	.00172	-.04949	-.00057	-.00009	250.59	.00044	.00312	.00103	5.0778	.00444	-.00284	.00900
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03508**	**.00220**	**.00326**	**4.8823**	**.00810**	**.00279**	**10.149**	**-.00006**	**.00453**	**-.04248**
Stddev	.02238	.00129	.00145	.0197	.00010	.00002	.028	.00002	.00051	.00036
%RSD	63.806	58.656	44.394	.40338	1.2043	.78723	.27821	34.832	11.185	.84603
#1	.05090	.00129	.00428	4.8962	.00803	.00278	10.169	-.00007	.00417	-.04274
#2	.01925	.00311	.00223	4.8684	.00817	.00281	10.129	-.00004	.00489	-.04223
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6712.2**	**85316.**	**8434.0**
Stddev	20.6	318.	29.3
%RSD	.30741	.37262	.34729
#1	6726.8	85091.	8454.7
#2	6697.7	85541.	8413.3

Sample Name: CCV-2271054 Acquired: 9/25/2013 17:26:06 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49291**	**.50957**	**.98864**	**.50082**	**.50100**	**.48877**	**.00365**	**4.9519**	**.49942**	**.50294**	**.49599**	**.49782**	**2.4638**
Stddev	.00151	.00139	.00333	.00027	.00150	.00040	.00156	.0084	.00096	.00106	.00153	.00166	.0048
%RSD	.30714	.27303	.33651	.05398	.30032	.08092	42.729	.16957	.19281	.21004	.30924	.33371	.19512
#1	.49398	.51055	.99099	.50063	.49994	.48849	.00255	4.9578	.49874	.50219	.49490	.49899	2.4672
#2	.49184	.50859	.98628	.50101	.50207	.48905	.00475	4.9459	.50010	.50368	.49707	.49664	2.4604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.056**	**.99825**	**19.859**	**.49482**	**.50392**	**5.2792**	**.50435**	**.99263**	**1.0129**	**.05576**	**.96352**	**.98217**	**4.9115**
Stddev	.025	.00233	.130	.00170	.00023	.0345	.00040	.00358	.0003	.00355	.00758	.00346	.0464
%RSD	.04926	.23339	.65331	.34316	.04645	.65383	.07867	.36110	.02520	6.3601	.78644	.35215	.94558
#1	50.073	.99661	19.950	.49602	.50408	5.3036	.50463	.99010	1.0131	.05826	.96888	.98462	4.9443
#2	50.038	.99990	19.767	.49361	.50375	5.2548	.50407	.99517	1.0128	.05325	.95816	.97973	4.8786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.511**	**1.0047**	**.49709**	**-.00191**	**.49453**	**1.0128**	**-.04807**	**.49072**	**.49834**	**.49731**
Stddev	.099	.0009	.00119	.00132	.00119	.0015	.01956	.00112	.00301	.00404
%RSD	.94558	.08868	.23938	68.889	.24080	.15205	40.687	.22817	.60360	.81190
#1	10.581	1.0053	.49625	-.00098	.49537	1.0118	-.03424	.49151	.50046	.50017
#2	10.440	1.0040	.49794	-.00285	.49369	1.0139	-.06190	.48993	.49621	.49446
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6971.4**	**90658.**	**8649.1**
Stddev	33.9	253.	29.0
%RSD	.48593	.27898	.33503
#1	6995.3	90479.	8628.7
#2	6947.4	90837.	8669.6

Sample Name: CCB Acquired: 9/25/2013 17:28:14 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00146**	**.00292**	**.00408**	**.00025**	**.00024**	**.00037**	**.00514**	**.00006**	**.00012**	**.00007**	**-.00071**	**.00545**
Stddev	.00056	.00052	.00099	.00030	.00009	.00008	.00095	.00229	.00030	.00000	.00011	.00062	.00182
%RSD	199.09	35.719	33.845	7.2616	35.411	33.304	255.82	44.502	498.23	3.4021	163.11	87.919	33.431
#1	-.00012	.00183	.00222	.00429	.00031	.00029	.00104	.00676	.00028	.00012	-.00001	-.00027	.00674
#2	.00068	.00109	.00362	.00387	.00019	.00018	-.00030	.00352	-.00015	.00012	.00014	-.00115	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16338**	**.00096**	**.00792**	**.00005**	**.00045**	**.05719**	**.00010**	**-.00247**	**-.00072**	**.03901**	F **.01868**	**-.00253**	**.00542**
Stddev	.00785	.00098	.00445	.00001	.00005	.01040	.00034	.00056	.00017	.00222	.00599	.00242	.00599
%RSD	4.8020	101.81	56.207	13.714	10.215	18.178	359.46	22.795	24.197	5.6973	32.082	95.740	110.58
#1	.15783	.00027	.01106	.00006	.00042	.06455	.00034	-.00207	-.00084	.04058	.01444	-.00082	.00118
#2	.16893	.00165	.00477	.00005	.00049	.04984	-.00015	-.00287	-.00060	.03744	.02291	-.00424	.00965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01159**	**.00027**	**.00022**	**-.00080**	**.00040**	**.00194**	**-.02188**	**.00032**	**.00145**	**-.00059**
Stddev	.01282	.00040	.00003	.00300	.00028	.00015	.00246	.00060	.00087	.00182
%RSD	110.58	150.28	11.635	375.65	69.858	7.5522	11.226	187.25	60.126	311.14
#1	.00253	.00056	.00024	-.00292	.00059	.00204	-.02014	.00074	.00207	.00070
#2	.02066	-.00002	.00021	.00132	.00020	.00183	-.02361	-.00010	.00083	-.00188
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6894.7**	**90257.**	**8643.0**
Stddev	4.1	838.	54.5
%RSD	.05904	.92794	.63107
#1	6897.6	90849.	8681.5
#2	6891.8	89665.	8604.4

Sample Name: CCVL-2271034 Acquired: 9/25/2013 17:30:32 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.10723**	**.01848**	**.10203**	**.01022**	**.00092**	**.11048**	**.20531**	**.00520**	**.01072**	**.01051**	**.01463**	**.10221**
Stddev	.00084	.00034	.00006	.00013	.00025	.00010	.00319	.00013	.00021	.00022	.00020	.00021	.00169
%RSD	8.1804	.31899	.29809	.12617	2.4758	10.422	2.8840	.06132	3.9752	2.0849	1.9497	1.4129	1.6574
#1	.00963	.10699	.01844	.10194	.01040	.00085	.10822	.20522	.00534	.01088	.01037	.01478	.10341
#2	.01081	.10747	.01852	.10212	.01004	.00099	.11273	.20540	.00505	.01056	.01066	.01449	.10101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0620**	F **.01348**	**.21943**	**.01040**	**.02017**	**1.1193**	**.04202**	**2.9489**	**.00946**	**.05988**	F **.01584**	F **.00721**	**.50161**
Stddev	.0309	.00088	.00395	.00011	.00004	.0050	.00057	.0130	.00098	.00225	.00037	.00091	.00506
%RSD	1.0083	6.5477	1.8001	1.0161	.18771	.44944	1.3591	.44006	10.403	3.7630	2.3383	12.589	1.0089
#1	3.0839	.01410	.21664	.01032	.02020	1.1158	.04243	2.9397	.01015	.06148	.01610	.00785	.49803
#2	3.0402	.01285	.22223	.01047	.02015	1.1229	.04162	2.9581	.00876	.05829	.01558	.00656	.50519
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value		.01000									.01000	.01500	
Range		30.000%									30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0734**	**.10517**	**.01033**	**.01522**	**.00987**	**.01778**	**.04551**	**.01019**	**.02198**	**.01591**
Stddev	.0108	.00050	.00012	.00066	.00040	.00041	.02679	.00015	.00007	.00037
%RSD	1.0089	.47757	1.1744	4.3258	4.0078	2.3049	58.860	1.4890	.29907	2.3386
#1	1.0658	.10481	.01024	.01475	.01015	.01749	.02657	.01009	.02202	.01564
#2	1.0811	.10552	.01041	.01568	.00959	.01807	.06446	.01030	.02193	.01617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6809.6**	**87070.**	**8415.9**
Stddev	6.8	396.	29.2
%RSD	.09982	.45479	.34715
#1	6814.4	87350.	8395.2
#2	6804.8	86790.	8436.6

Sample Name: 280-46906-a-13-a Acquired: 9/25/2013 17:32:50 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**11.361**	**.02492**	**.60381**	**.06795**	**.00071**	**.00169**	**131.94**	**.00135**	**.01537**
Stddev	.00067	.053	.00002	.00142	.00021	.00001	.00065	.58	.00032	.00005
%RSD	271.76	.47018	.06632	.23511	.31628	1.6444	38.541	.43604	23.965	.30603
#1	-.00072	11.323	.02491	.60281	.06780	.00072	.00215	131.54	.00112	.01534
#2	.00023	11.398	.02493	.60482	.06810	.00070	.00123	132.35	.00157	.01540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02486**	**.02751**	**27.362**	**19.674**	**.17021**	**198.26**	**.39373**	**.00348**	**183.87**	**.03690**
Stddev	.00025	.00014	.083	.136	.00190	.33	.00130	.00010	.89	.00001
%RSD	1.0061	.49846	.30342	.68955	1.1143	.16716	.32926	2.9475	.48201	.04014
#1	.02504	.02741	27.303	19.578	.16887	198.03	.39464	.00341	183.25	.03689
#2	.02469	.02761	27.420	19.770	.17155	198.50	.39281	.00355	184.50	.03691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15347**	**.00967**	F **317.70**	**.00045**	**-.00175**	**18.865**	**40.370**	**.00003**	**3.6377**	**.00489**
Stddev	.00179	.00086	.35	.00024	.00166	.056	.119	.00014	.0137	.00046
%RSD	1.1684	8.9069	.10983	52.926	94.500	.29541	.29541	408.12	.37740	9.3438
#1	.15220	.00907	317.94	.00028	-.00058	18.825	40.286	-.00007	3.6280	.00456
#2	.15473	.01028	317.45	.00062	-.00292	18.904	40.455	.00014	3.6474	.00521
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11559**	**.00005**	**-.04248**	**.02874**	**.07149**	**.00978**
Stddev	.00097	.00064	.04473	.00040	.00078	.00277
%RSD	.83850	1323.0	105.30	1.4003	1.0955	28.353
#1	.11627	-.00040	-.01085	.02845	.07093	.01175
#2	.11490	.00050	-.07411	.02902	.07204	.00782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6430.6**	**82651.**	**8293.6**
Stddev	.1	253.	60.4
%RSD	.00114	.30626	.72833
#1	6430.6	82830.	8336.4
#2	6430.5	82472.	8250.9

Sample Name: 280-46906-a-18-a Acquired: 9/25/2013 17:35:10 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.08927**	**.00216**	**1.3864**	**.04911**	**-.00003**	**-.00230**	**177.99**	**.00077**	**.00399**
Stddev	.00006	.00084	.00131	.0004	.00101	.00014	.00063	4.08	.00015	.00015
%RSD	40.124	.94027	60.441	.02989	2.0609	403.15	27.369	2.2896	18.922	3.7474
#1	.00019	.08867	.00124	1.3867	.04983	.00006	-.00185	180.87	.00087	.00410
#2	.00010	.08986	.00308	1.3861	.04840	-.00013	-.00274	175.11	.00067	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00610**	**1.7145**	**25.633**	**.11925**	**129.12**	**.17294**	**.00342**	W **652.53**	**.00724**
Stddev	.00023	.00024	.0130	.004	.00001	1.00	.00058	.00033	2.60	.00019
%RSD	87.223	3.9594	.75767	.01466	.01226	.77597	.33396	9.6805	.39825	2.6390
#1	.00043	.00593	1.7237	25.636	.11924	129.83	.17253	.00319	654.37	.00711
#2	.00010	.00628	1.7053	25.631	.11926	128.41	.17334	.00366	650.70	.00738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**-.00045**	F **494.52**	**.00029**	W **-.00734**	**7.1498**	**15.300**	**.00059**	W **6.0879**	**-.00140**
Stddev	.00106	.00261	.88	.00054	.00105	.0311	.067	.00020	.1068	.00072
%RSD	12.793	577.35	.17859	184.39	14.336	.43481	.43481	33.495	1.7542	51.336
#1	.00757	-.00230	495.15	.00068	-.00808	7.1717	15.348	.00073	6.1634	-.00191
#2	.00908	.00139	493.90	-.00009	-.00659	7.1278	15.253	.00045	6.0123	-.00089
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00		5.0000				5.0000	
Low Limit			-.20000		-.00500				-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00072**	W **-.05139**	**.00159**	**.00641**	**.00215**
Stddev	.00039	.00005	.04771	.00035	.00041	.00108
%RSD	87.879	7.1942	92.831	22.001	6.4266	49.965
#1	.00017	.00076	-.08513	.00134	.00611	.00291
#2	.00072	.00069	-.01766	.00184	.00670	.00139
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6388.4**	**81572.**	**8404.4**
Stddev	13.3	67.	180.3
%RSD	.20857	.08220	2.1455
#1	6397.9	81525.	8276.9
#2	6379.0	81619.	8531.9

Sample Name: 280-46906-a-23-a Acquired: 9/25/2013 17:37:45 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.93852**	**.01602**	**.98996**	**.08494**	**.00009**	**.00017**	**21.702**	**.00003**	**.00108**
Stddev	.00017	.00206	.00157	.00338	.00058	.00002	.00267	.084	.00019	.00002
%RSD	146.43	.21948	9.8201	.34111	.68408	24.163	1591.0	.38660	539.03	2.2298
#1	.00000	.93998	.01490	.99235	.08453	.00008	-.00172	21.643	-.00010	.00106
#2	.00023	.93706	.01713	.98757	.08535	.00011	.00206	21.761	.00017	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00259**	**.00223**	**2.1950**	**11.696**	**.06219**	**7.4393**	**.07125**	**.02425**	W **587.97**	**.00558**
Stddev	.00003	.00052	.0063	.004	.00085	.0352	.00018	.00032	3.17	.00014
%RSD	1.2684	23.317	.28709	.03487	1.3735	.47390	.24779	1.3069	.53993	2.4327
#1	.00261	.00259	2.1905	11.699	.06159	7.4642	.07137	.02403	585.72	.00548
#2	.00257	.00186	2.1994	11.693	.06279	7.4144	.07112	.02447	590.21	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03365**	**.00228**	**2.4998**	**.00048**	W **-.00625**	**5.7223**	**12.246**	**.00086**	**.84103**	**-.00009**
Stddev	.00008	.00083	.0203	.00189	.00212	.0129	.028	.00030	.00485	.00052
%RSD	.25092	36.260	.81274	396.20	33.887	.22493	.22493	34.985	.57692	580.58
#1	.03360	.00286	2.5142	.00182	-.00476	5.7132	12.226	.00065	.83760	.00028
#2	.03371	.00169	2.4855	-.00086	-.00775	5.7314	12.265	.00107	.84446	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01249**	**.00078**	**-.01811**	**.00657**	**.01068**	**.00122**
Stddev	.00035	.00133	.01995	.00006	.00022	.00103
%RSD	2.8121	171.61	110.18	.84473	2.1028	84.768
#1	.01274	-.00017	-.03222	.00661	.01084	.00195
#2	.01224	.00172	-.00400	.00653	.01052	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6384.1**	**81871.**	**8352.4**
Stddev	9.8	140.	58.2
%RSD	.15279	.17131	.69629
#1	6391.0	81970.	8393.5
#2	6377.2	81772.	8311.3

Sample Name: 280-46878-a-5-a Acquired: 9/25/2013 17:40:10 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.27685**	**.00512**	**.87698**	**.01597**	**.00003**	**-.00298**	**295.32**	**.00136**	**.00372**
Stddev	.00020	.00125	.00023	.00503	.00033	.00007	.00032	.84	.00002	.00034
%RSD	33.352	.45225	4.4364	.57353	2.0555	221.11	10.649	.28326	1.5771	9.2312
#1	-.00074	.27596	.00528	.87342	.01574	.00008	-.00321	295.91	.00134	.00396
#2	-.00046	.27773	.00496	.88053	.01620	-.00002	-.00276	294.73	.00137	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00694**	**.59827**	**21.398**	**.21793**	W **847.29**	**.86749**	**.00075**	**344.65**	**.00963**
Stddev	.00007	.00060	.00549	.147	.00288	5.06	.00161	.00018	2.97	.00022
%RSD	8.3627	8.5952	.91809	.68516	1.3230	.59755	.18527	23.500	.86171	2.2544
#1	.00076	.00652	.59439	21.294	.21589	843.71	.86635	.00062	342.55	.00947
#2	.00085	.00736	.60216	21.502	.21997	850.87	.86862	.00087	346.75	.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						500.00				
Low Limit						-.10000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10681**	**-.00049**	F **1152.0**	**.00287**	W **-.00914**	**5.0842**	**10.880**	**-.00015**	W **5.3752**	**.00743**
Stddev	.00042	.00158	3.7	.00222	.00321	.0278	.059	.00068	.1345	.00243
%RSD	.39282	321.83	.31765	77.373	35.113	.54574	.54574	455.80	2.5029	32.689
#1	.10651	-.00161	1149.4	.00444	-.01141	5.0645	10.838	-.00063	5.2801	.00914
#2	.10711	.00063	1154.6	.00130	-.00687	5.1038	10.922	.00033	5.4704	.00571
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00		5.0000				5.0000	
Low Limit			-.20000		-.00500				-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00140**	**-.02658**	**.00352**	**.01355**	**-.00097**
Stddev	.00024	.00020	.00735	.00054	.00067	.00180
%RSD	7.3789	14.361	27.667	15.354	4.9690	185.05
#1	.00304	.00154	-.03178	.00314	.01402	-.00224
#2	.00338	.00126	-.02138	.00390	.01307	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6109.5**	**76129.**	**8177.0**
Stddev	45.5	137.	29.3
%RSD	.74474	.17948	.35832
#1	6141.7	76032.	8156.3
#2	6077.4	76226.	8197.8

Sample Name: 280-46878-a-10-a Acquired: 9/25/2013 17:42:51 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**1.6571**	**.00928**	**1.1242**	**.02678**	**.00012**	**.00118**	**425.50**	**.00140**	**.02005**
Stddev	.00078	.0072	.00684	.0022	.00022	.00010	.00213	6.36	.00030	.00013
%RSD	219.63	.43212	73.650	.19608	.83493	85.830	180.50	1.4938	21.572	.63518
#1	.00020	1.6520	.01412	1.1227	.02693	.00005	-.00033	421.01	.00119	.01996
#2	-.00091	1.6622	.00445	1.1258	.02662	.00020	.00269	430.00	.00162	.02014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**.00874**	**6.2609**	**28.816**	**.75183**	W **1042.1**	**7.5498**	**.00032**	**342.59**	**.13239**
Stddev	.00002	.00019	.0182	.100	.00074	14.4	.0631	.00018	.94	.00092
%RSD	.73938	2.2215	.29123	.34737	.09866	1.3816	.83595	58.067	.27485	.69866
#1	.00336	.00888	6.2738	28.887	.75131	1052.3	7.5945	.00045	343.26	.13174
#2	.00340	.00860	6.2480	28.746	.75236	1032.0	7.5052	.00019	341.93	.13305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						500.00				
Low Limit						-.10000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05178**	**.00532**	F **1582.4**	**.00385**	W **-.00536**	**7.9152**	**16.938**	**.00062**	W **7.1767**	**.01086**
Stddev	.00193	.00017	13.0	.00131	.00238	.0332	.071	.00051	.0930	.00136
%RSD	3.7342	3.1897	.81910	34.087	44.398	.41891	.41891	82.291	1.2960	12.483
#1	.05314	.00520	1573.3	.00292	-.00705	7.8917	16.888	.00026	7.1109	.00990
#2	.05041	.00544	1591.6	.00478	-.00368	7.9386	16.989	.00098	7.2424	.01182
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00		5.0000				5.0000	
Low Limit			-.20000		-.00500				-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02581**	**.00393**	F **-.14079**	**.01216**	**.09152**	**.00246**
Stddev	.00036	.00115	.01098	.00006	.00195	.00071
%RSD	1.3858	29.341	7.7957	.50301	2.1344	28.684
#1	.02607	.00312	-.14855	.01212	.09290	.00196
#2	.02556	.00475	-.13303	.01221	.09014	.00296
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6061.9**	**77568.**	**8440.8**
Stddev	43.8	568.	50.2
%RSD	.72307	.73285	.59531
#1	6092.9	77166.	8405.2
#2	6030.9	77970.	8476.3

Sample Name: 280-46878-a-15-a Acquired: 9/25/2013 17:46:11 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192487 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.95010**	**.00610**	**1.1145**	**.04133**	**.00001**	**-.00233**	**454.02**	**.00175**	**.02286**
Stddev	.00064	.00472	.00292	.0013	.00007	.00000	.00073	.21	.00004	.00017
%RSD	209.29	.49638	47.855	.11868	.16786	.91717	31.307	.04711	2.4259	.74282
#1	.00076	.94676	.00816	1.1136	.04128	.00001	-.00284	454.18	.00172	.02274
#2	-.00015	.95343	.00404	1.1155	.04138	.00001	-.00181	453.87	.00178	.02298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**.01657**	**1.6874**	**33.787**	**.09567**	W **678.57**	**.42535**	**.01269**	W **759.61**	**.04860**
Stddev	.00009	.00007	.0012	.136	.00054	2.76	.00140	.00029	1.13	.00044
%RSD	3.6733	.42325	.07329	.40374	.56281	.40631	.32909	2.3168	.14874	.89812
#1	.00237	.01662	1.6865	33.690	.09529	680.52	.42436	.01290	758.81	.04830
#2	.00250	.01652	1.6882	33.883	.09606	676.62	.42634	.01248	760.41	.04891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02513**	**-.00034**	F **1379.4**	**.00291**	W **-.00570**	**6.0429**	**12.932**	**-.00016**	W **13.407**	**.00404**
Stddev	.00109	.00097	4.5	.00039	.00315	.0169	.036	.00034	.085	.00438
%RSD	4.3194	282.79	.32881	13.328	55.219	.27952	.27952	206.52	.63457	108.40
#1	.02590	.00034	1376.2	.00318	-.00348	6.0309	12.906	-.00041	13.347	.00094
#2	.02436	-.00103	1382.6	.00263	-.00793	6.0548	12.957	.00008	13.467	.00714
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00		5.0000				5.0000	
Low Limit			-.20000		-.00500				-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01580**	**.00155**	**-.02062**	**.00541**	**.01167**	**.00407**
Stddev	.00052	.00024	.02667	.00011	.00069	.00018
%RSD	3.2871	15.377	129.38	2.0979	5.9173	4.3627
#1	.01617	.00138	-.00176	.00549	.01119	.00419
#2	.01544	.00171	-.03948	.00533	.01216	.00394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5967.0**	**75691.**	**8404.4**
Stddev	1.7	62.	139.8
%RSD	.02882	.08156	1.6629
#1	5968.2	75735.	8503.3
#2	5965.7	75648.	8305.6

Sample Name: CCVH-2271055 Acquired: 9/25/2013 17:48:50 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00481**	**49.052**	**.00540**	**.00886**	**.00052**	**-.00007**	**.99964**	**.14772**	**.00027**	**-.00050**	**-.00076**	**-.00858**	**49.769**
Stddev	.00013	.322	.00361	.00000	.00001	.00003	.00182	.05704	.00002	.00014	.00008	.00018	.801
%RSD	2.6417	.65722	66.901	.01470	2.1821	43.734	.18170	38.616	6.1603	27.762	10.723	2.1112	1.6088
#1	-.00490	48.824	.00285	.00886	.00051	-.00005	.99836	.18806	.00028	-.00060	-.00082	-.00845	49.203
#2	-.00472	49.280	.00796	.00887	.00053	-.00009	1.0009	.10739	.00025	-.00040	-.00070	-.00871	50.336
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13492**	**-.00073**	**-.00655**	**-.00051**	**-.00060**	**248.88**	**.00053**	**.00249**	**.00131**	**5.1683**	**.00277**	**-.01056**	**.01027**
Stddev	.00686	.00001	.01091	.00004	.00015	.85	.00037	.00002	.00031	.0251	.00130	.00515	.00088
%RSD	5.0857	1.1735	166.62	7.9271	24.835	.34278	69.371	.91764	24.030	.48625	47.002	48.733	8.6128
#1	.13007	-.00072	.00117	-.00048	-.00071	248.27	.00079	.00247	.00153	5.1861	.00185	-.01420	.00965
#2	.13977	-.00074	-.01427	-.00054	-.00050	249.48	.00027	.00251	.00109	5.1505	.00369	-.00692	.01090
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02198**	**.00182**	**.00395**	**4.8804**	**.00863**	**.00306**	**10.163**	**.00002**	**.00045**	**-.04558**
Stddev	.00189	.00016	.00165	.0249	.00024	.00157	.010	.00041	.00048	.00188
%RSD	8.6128	8.9855	41.619	.51066	2.7280	51.398	.09404	1905.9	108.08	4.1353
#1	.02064	.00170	.00512	4.8981	.00879	.00195	10.169	-.00027	.00079	-.04691
#2	.02332	.00193	.00279	4.8628	.00846	.00417	10.156	.00031	.00011	-.04425
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6709.0**	**84272.**	**8488.9**
Stddev	.5	158.	84.9
%RSD	.00728	.18709	1.0004
#1	6709.3	84161.	8548.9
#2	6708.6	84384.	8428.8

Sample Name: CCV-2271054 Acquired: 9/25/2013 17:51:07 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49456**	**.50922**	**.98008**	**.49709**	**.49617**	**.48000**	**.00231**	**4.8811**	**.49647**	**.50119**	**.49148**	**.49884**	**2.4003**
Stddev	.00119	.00026	.00387	.00466	.00062	.00106	.00123	.0011	.00109	.00070	.00139	.00096	.0131
%RSD	.24162	.05015	.39506	.93655	.12405	.22024	53.205	.02178	.21895	.14056	.28365	.19227	.54572
#1	.49541	.50940	.97734	.49380	.49660	.48075	.00144	4.8803	.49570	.50069	.49050	.49952	2.4095
#2	.49372	.50904	.98282	.50038	.49573	.47926	.00318	4.8818	.49723	.50169	.49247	.49816	2.3910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.606**	**.98857**	**19.921**	**.49437**	**.50417**	**5.2185**	**.49970**	**.99509**	**1.0068**	**.13712**	**.96173**	**.97703**	**4.8268**
Stddev	.126	.00012	.087	.00138	.00039	.0559	.00114	.00021	.0003	.00863	.00204	.00523	.0504
%RSD	.25500	.01255	.43587	.27984	.07680	1.0714	.22864	.02149	.02609	6.2965	.21198	.53573	1.0439
#1	49.696	.98848	19.983	.49535	.50390	5.2580	.49889	.99494	1.0070	.14323	.96029	.97333	4.8625
#2	49.517	.98866	19.860	.49339	.50445	5.1790	.50051	.99524	1.0066	.13102	.96317	.98073	4.7912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.329**	**1.0085**	**.49157**	**-.00185**	**.49379**	**1.0139**	**-.00933**	**.49067**	**.49772**	**.49654**
Stddev	.108	.0022	.00077	.00100	.00203	.0006	.01741	.00186	.00016	.00043
%RSD	1.0439	.21500	.15741	54.285	.41201	.06182	186.72	.38002	.03233	.08606
#1	10.406	1.0070	.49212	-.00256	.49523	1.0143	.00299	.49199	.49760	.49624
#2	10.253	1.0101	.49102	-.00114	.49235	1.0134	-.02164	.48935	.49783	.49685
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6854.0**	**88269.**	**8475.0**
Stddev	14.7	199.	24.2
%RSD	.21428	.22528	.28585
#1	6864.4	88129.	8457.8
#2	6843.6	88410.	8492.1

Sample Name: CCB Acquired: 9/25/2013 17:53:16 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00105**	**.00065**	**.00409**	**.00039**	**.00025**	**.00011**	**-.00022**	**-.00003**	**.00043**	**-.00002**	**-.00081**
Stddev	.00022	.00016	.00116	.00006	.00026	.00001	.00006	.00107	.00012	.00018	.00002	.00000
%RSD	247.02	15.292	177.58	1.4690	67.165	5.2193	55.321	477.98	403.62	40.923	102.10	.13562
#1	.00025	.00117	.00148	.00413	.00021	.00026	.00007	-.00098	-.00012	.00030	-.00001	-.00081
#2	-.00007	.00094	-.00017	.00404	.00058	.00024	.00016	.00053	.00006	.00055	-.00004	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**.04553**	**.00235**	W **.01072**	**.00004**	**.00029**	W **.10638**	**.00014**	**-.00096**	**-.00006**	**.09796**	F **.01720**
Stddev	.00040	.04662	.00031	.00072	.00008	.00007	.01195	.00046	.00018	.00041	.00436	.00283
%RSD	20.704	102.38	13.203	6.6977	174.06	22.815	11.232	326.70	18.687	675.26	4.4548	16.452
#1	.00222	.01257	.00257	.01021	.00010	.00024	.11483	.00046	-.00083	-.00035	.10105	.01520
#2	.00165	.07850	.00213	.01122	-.00001	.00034	.09793	-.00018	-.00109	.00023	.09488	.01920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01070			.09160					.00628
Low Limit				-.01070			-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	**-.00225**	**-.00481**	**.00048**	**.00025**	**.00098**	**.00000**	**.00100**	**-.02438**	**.00061**	**.00201**	**.00051**
Stddev	.00133	.00219	.00470	.00016	.00004	.00047	.00038	.00140	.05280	.00048	.00004	.00040
%RSD	28.358	97.553	97.553	32.307	17.725	47.522	9136.9	140.19	216.52	79.957	2.2307	77.119
#1	-.00564	-.00380	-.00814	.00037	.00022	.00131	.00027	.00199	-.06172	.00095	.00197	.00079
#2	-.00376	-.00070	-.00149	.00059	.00028	.00065	-.00027	.00001	.01295	.00026	.00204	.00023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.9**	**88558.**	**8324.2**
Stddev	11.5	778.	63.6
%RSD	.16852	.87858	.76389
#1	6833.0	89109.	8369.1
#2	6816.7	88008.	8279.2

Sample Name: CCVL-2271034 Acquired: 9/25/2013 17:55:34 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.10721**	**.01538**	**.10037**	**.01046**	**.00096**	**.10913**	**.20230**	**.00489**	**.01061**	**.01015**	**.01477**	**.10051**
Stddev	.00052	.00006	.00059	.00037	.00027	.00006	.00218	.00089	.00033	.00008	.00010	.00043	.00136
%RSD	4.9100	.05265	3.8346	.37238	2.6177	6.4276	1.9948	.44167	6.7343	.72418	.95662	2.9454	1.3576
#1	.01016	.10717	.01496	.10011	.01065	.00100	.11067	.20167	.00465	.01056	.01022	.01507	.09955
#2	.01089	.10725	.01580	.10063	.01026	.00092	.10759	.20293	.00512	.01067	.01008	.01446	.10148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1049**	F **.01335**	**.20933**	**.01024**	**.02034**	**1.1358**	**.04142**	**2.9179**	**.00900**	**.12922**	F **.02104**	F **.00986**	**.48573**
Stddev	.0035	.00276	.00027	.00008	.00009	.0010	.00026	.0096	.00081	.00804	.00101	.00231	.00823
%RSD	.11235	20.654	.12909	.74287	.42273	.08520	.63206	.33043	9.0277	6.2191	4.7886	23.432	1.6946
#1	3.1074	.01140	.20952	.01029	.02040	1.1351	.04161	2.9247	.00843	.13490	.02175	.00823	.47991
#2	3.1024	.01530	.20914	.01018	.02028	1.1365	.04124	2.9111	.00958	.12354	.02033	.01149	.49155
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value		.01000									.01000	.01500	
Range		30.000%									30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0395**	**.10366**	**.01018**	**.01469**	**.01007**	**.01731**	F **.03283**	**.00953**	**.02149**	**.01379**
Stddev	.0176	.00108	.00006	.00061	.00005	.00005	.01390	.00048	.00002	.00024
%RSD	1.6946	1.0415	.54556	4.1561	.50083	.30996	42.353	5.0531	.10237	1.7706
#1	1.0270	.10442	.01014	.01512	.01003	.01734	.04266	.00919	.02147	.01396
#2	1.0519	.10289	.01022	.01426	.01010	.01727	.02300	.00987	.02150	.01361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6772.4**	**87530.**	**8253.6**
Stddev	11.4	289.	15.1
%RSD	.16872	.32993	.18242
#1	6780.5	87326.	8264.3
#2	6764.3	87734.	8243.0

Sample Name: mb 280-192799/1-a Acquired: 9/25/2013 17:57:52 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00945**	**.00389**	**.00871**	**.00198**	**-.00004**	**.00243**	**.04640**	**-.00017**	**-.00003**
Stddev	.00018	.00010	.00043	.00068	.00021	.00003	.00094	.00023	.00007	.00010
%RSD	29.451	1.0145	11.011	7.7973	10.480	87.630	38.573	.50523	42.476	368.72
#1	.00048	.00939	.00420	.00919	.00213	-.00006	.00177	.04623	-.00012	.00004
#2	.00073	.00952	.00359	.00823	.00184	-.00001	.00309	.04656	-.00022	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00058**	**.01459**	**-.01164**	**.00090**	**.00812**	**.00015**	**-.00016**	**.13738**	**.00000**
Stddev	.00005	.00020	.00010	.03808	.00126	.00029	.00004	.00019	.01587	.00025
%RSD	22.907	34.038	.71875	327.15	140.23	3.5512	28.496	117.92	11.550	7002.7
#1	.00018	-.00044	.01452	-.03856	.00179	.00792	.00012	-.00029	.12616	.00018
#2	.00025	-.00072	.01467	.01529	.00001	.00833	.00018	-.00003	.14860	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00507**	**.00034**	F **.10212**	**.00287**	**-.00206**	**.03645**	**.07801**	**.00878**	**.00006**	**-.00062**
Stddev	.00014	.00084	.00062	.00094	.00241	.01364	.02919	.00069	.00003	.00141
%RSD	2.7995	248.86	.60954	32.869	116.54	37.416	37.416	7.8535	51.796	227.36
#1	.00517	.00093	.10168	.00354	-.00377	.02681	.05737	.00927	.00008	-.00162
#2	.00497	-.00026	.10256	.00220	-.00036	.04610	.09864	.00829	.00004	.00038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00018**	**-.00151**	**.00014**	**.00410**	**.00027**
Stddev	.00014	.00160	.02160	.00041	.00010	.00017
%RSD	19.629	875.00	1429.1	293.13	2.5602	63.745
#1	.00082	-.00095	.01376	.00043	.00417	.00039
#2	.00062	.00131	-.01679	-.00015	.00402	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.4**	**90356.**	**8621.7**
Stddev	17.3	392.	43.0
%RSD	.24564	.43384	.49896
#1	7041.2	90634.	8591.3
#2	7065.7	90079.	8652.1

Sample Name: lcs 280-192799/2-a Acquired: 9/25/2013 18:00:10 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04553**	**1.9196**	**.96460**	F **1.1281**	**1.9326**	**.04670**	**1.9748**	**46.546**	**.09769**	**.47427**
Stddev	.00060	.0073	.00354	.0014	.0078	.00000	.0021	.101	.00003	.00267
%RSD	1.3156	.38051	.36739	.12416	.40199	.00809	.10621	.21740	.02852	.56268
#1	.04596	1.9248	.96710	1.1271	1.9381	.04669	1.9734	46.617	.09771	.47616
#2	.04511	1.9145	.96209	1.1291	1.9271	.04670	1.9763	46.474	.09767	.47239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19104**	**.24226**	**.93309**	**48.157**	**.95468**	**47.728**	**.47618**	**.97683**	**48.594**	**.47160**
Stddev	.00042	.00011	.00574	.029	.00241	.016	.00041	.00448	.538	.00065
%RSD	.21899	.04465	.61501	.05957	.25251	.03384	.08645	.45904	1.1070	.13707
#1	.19134	.24233	.93714	48.177	.95639	47.716	.47647	.98000	48.975	.47206
#2	.19075	.24218	.92903	48.137	.95298	47.739	.47588	.97366	48.214	.47114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8076**	**.47820**	**.08026**	**.46634**	**1.8760**	**1.6507**	**3.5325**	**1.9268**	**.95235**	**.91883**
Stddev	.0454	.00092	.00397	.00044	.0020	.0074	.0159	.0006	.00406	.00221
%RSD	.46311	.19281	4.9409	.09358	.10535	.45066	.45066	.03079	.42648	.24094
#1	9.8397	.47885	.08307	.46603	1.8746	1.6559	3.5437	1.9272	.95522	.92040
#2	9.7755	.47754	.07746	.46664	1.8774	1.6454	3.5212	1.9264	.94948	.91726
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97409**	**1.8822**	**1.9884**	**.48301**	**.47735**	**.46597**
Stddev	.00191	.0013	.0088	.00018	.00051	.00240
%RSD	.19648	.06856	.44206	.03712	.10659	.51449
#1	.97544	1.8831	1.9822	.48288	.47699	.46428
#2	.97273	1.8813	1.9946	.48313	.47771	.46767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6764.2**	**86937.**	**8697.1**
Stddev	75.6	87.	60.6
%RSD	1.1171	.09955	.69641
#1	6710.8	86998.	8654.3
#2	6817.7	86875.	8740.0

Sample Name: 280-46506-a-28-h Acquired: 9/25/2013 18:02:18 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .16520	130.16	.12121	.06715	W 20.765	.00302	.03712	F 1002.3	.01702	.04204
Stddev	.00086	.52	.00006	.00095	.215	.00003	.00166	11.4	.00023	.00022
%RSD	.52211	.39995	.05159	1.4151	1.0360	.99273	4.4691	1.1333	1.3678	.53274
#1	.16459	130.53	.12125	.06782	20.917	.00300	.03595	994.23	.01685	.04188
#2	.16581	129.79	.12116	.06648	20.613	.00304	.03830	1010.3	.01718	.04220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000			1000.0		
Low Limit	-.01000				-.01000			-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18856	6.9741	310.65	11.979	.07684	252.41	3.7291	.03516	2.0979	.37198
Stddev	.00007	.0217	2.02	.057	.00409	1.38	.0420	.00006	.0027	.00024
%RSD	.03638	.31163	.65008	.47845	5.3171	.54615	1.1263	.18155	.12897	.06424
#1	.18861	6.9895	312.08	12.020	.07395	253.38	3.7588	.03521	2.0959	.37181
#2	.18851	6.9588	309.22	11.939	.07972	251.43	3.6994	.03512	2.0998	.37215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 6.5383	.93163	4.9822	.02216	W -.00912	3.0380	6.5014	.39664	3.5664	.00833
Stddev	.0046	.00155	.0084	.00303	.00461	.0079	.0169	.00039	.0172	.00279
%RSD	.07100	.16612	.16913	13.679	50.563	.25941	.25941	.09819	.48139	33.493
#1	6.5350	.93273	4.9881	.02430	-.01237	3.0436	6.5133	.39691	3.5785	.00636
#2	6.5415	.93054	4.9762	.02002	-.00586	3.0325	6.4895	.39636	3.5543	.01030
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98271	-.00054	F -.25129	.13899	1.3008	.06720
Stddev	.00446	.00090	.02876	.00019	.0043	.00020
%RSD	.45342	168.06	11.444	.13783	.32889	.30284
#1	.98586	.00010	-.27163	.13913	1.3038	.06705
#2	.97956	-.00117	-.23096	.13885	1.2977	.06734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6582.5	82121.	9013.2
Stddev	8.4	611.	42.8
%RSD	.12738	.74388	.47512
#1	6588.5	81689.	8982.9
#2	6576.6	82553.	9043.5

Sample Name: 280-46506-a-28-hSD@5 Acquired: 9/25/2013 18:05:33 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03380**	**27.899**	**.02268**	**.01844**	**4.5543**	**.00068**	**.00901**	**233.69**	**.00425**	**.00957**
Stddev	.00058	.008	.00035	.00140	.0083	.00003	.00300	5.48	.00014	.00014
%RSD	1.7119	.02884	1.5557	7.5822	.18183	3.9494	33.252	2.3438	3.3164	1.4325
#1	.03339	27.893	.02292	.01943	4.5484	.00070	.01113	229.82	.00435	.00966
#2	.03421	27.905	.02243	.01745	4.5601	.00066	.00689	237.56	.00415	.00947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04177**	**1.4687**	**71.192**	**2.5271**	**.01713**	**54.511**	**.82236**	**.00755**	**.47663**	**.08511**
Stddev	.00047	.0080	.394	.0400	.00116	.146	.00273	.00010	.00013	.00083
%RSD	1.1211	.54131	.55357	1.5812	6.7633	.26729	.33201	1.3477	.02827	.97100
#1	.04144	1.4630	70.913	2.4988	.01631	54.408	.82043	.00747	.47673	.08453
#2	.04210	1.4743	71.470	2.5553	.01795	54.614	.82429	.00762	.47654	.08570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4060**	**.21862**	**1.0924**	**.00158**	**-.00428**	**.67782**	**1.4505**	**.09071**	**.77115**	**.00137**
Stddev	.0049	.00064	.0035	.00318	.00550	.00522	.0112	.00021	.00126	.00132
%RSD	.34963	.29202	.32163	201.23	128.57	.76949	.76949	.23469	.16343	95.885
#1	1.4095	.21907	1.0948	-.00067	-.00039	.68151	1.4584	.09056	.77026	.00231
#2	1.4025	.21817	1.0899	.00383	-.00817	.67413	1.4426	.09086	.77204	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20953**	**.00180**	W **-.07559**	**.03008**	**.29166**	**.01595**
Stddev	.00069	.00071	.03523	.00029	.00083	.00182
%RSD	.33015	39.638	46.608	.94749	.28295	11.436
#1	.20904	.00231	-.10050	.02988	.29108	.01724
#2	.21002	.00130	-.05068	.03029	.29225	.01466
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6681.2**	**86282.**	**8807.0**
Stddev	108.9	363.	56.2
%RSD	1.6304	.42069	.63833
#1	6758.2	86538.	8846.8
#2	6604.2	86025.	8767.3

Sample Name: 280-46506-a-28-i ms Acquired: 9/25/2013 18:07:53 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .48551	187.93	1.0744	.93349	W 39.926	.04797	F 1.8980	F 1109.8	.11850	.47563
Stddev	.00133	.12	.0034	.00135	.442	.00008	.0001	16.3	.00049	.00034
%RSD	.27463	.06618	.31962	.14412	1.1073	.16604	.00689	1.4643	.41261	.07102
#1	.48646	188.02	1.0769	.93444	39.613	.04802	1.8979	1098.3	.11885	.47587
#2	.48457	187.85	1.0720	.93254	40.238	.04791	1.8981	1121.3	.11816	.47539
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000		.10000	1000.0		
Low Limit	-.01000				-.01000		-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45484	W 10.540	429.96	69.271	1.0683	338.68	6.4783	.94073	52.224	.89303
Stddev	.00040	.008	.87	.070	.0021	2.67	.0076	.00158	.628	.00041
%RSD	.08855	.07540	.20119	.10042	.19723	.78727	.11749	.16845	1.2018	.04582
#1	.45512	10.546	429.35	69.221	1.0698	340.57	6.4837	.94185	51.780	.89332
#2	.45455	10.535	430.58	69.320	1.0668	336.79	6.4729	.93961	52.667	.89274
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 14.130	1.3535	6.6317	.23549	1.7509	4.7696	10.207	W 2.1501	4.5942	.89394
Stddev	.003	.0018	.0004	.00051	.0006	.0132	.028	.0015	.0853	.00174
%RSD	.02109	.13163	.00642	.21517	.03330	.27654	.27654	.07178	1.8556	.19487
#1	14.133	1.3547	6.6320	.23513	1.7513	4.7603	10.187	2.1490	4.5339	.89271
#2	14.128	1.3522	6.6314	.23585	1.7505	4.7790	10.227	2.1512	4.6545	.89517
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4990	1.5389	1.6200	.66732	2.2070	.52202
Stddev	.0001	.0003	.0520	.00243	.0051	.00436
%RSD	.00287	.02073	3.2123	.36477	.23292	.83589
#1	2.4991	1.5391	1.5832	.66904	2.2033	.52511
#2	2.4990	1.5387	1.6568	.66560	2.2106	.51894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6315.7	78856.	8703.3
Stddev	3.7	31.	52.2
%RSD	.05904	.03955	.59997
#1	6313.0	78834.	8740.3
#2	6318.3	78878.	8666.4

Sample Name: 280-46506-a-28-j msd Acquired: 9/25/2013 18:11:05 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .29835	190.75	1.0459	.90394	W 28.398	.04576	F 1.8522	F 1109.6	.12216	.45720
Stddev	.00125	1.21	.0031	.00027	.678	.00036	.0010	7.3	.00015	.00048
%RSD	.41885	.63348	.29744	.02987	2.3867	.78024	.05395	.65727	.12120	.10532
#1	.29747	191.60	1.0481	.90414	28.877	.04601	1.8515	1104.5	.12227	.45754
#2	.29924	189.90	1.0437	.90375	27.919	.04551	1.8529	1114.8	.12206	.45686
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000		.10000	1000.0		
Low Limit	-.01000				-.01000		-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.43859	W 10.974	426.69	65.150	1.0059	342.32	5.1172	.90566	49.248	.84404
Stddev	.00100	.014	2.55	.266	.0015	4.41	.0297	.00038	.532	.00186
%RSD	.22795	.12409	.59749	.40773	.15200	1.2890	.58095	.04166	1.0813	.22048
#1	.43930	10.984	428.49	65.337	1.0069	339.20	5.0962	.90539	49.624	.84536
#2	.43789	10.965	424.89	64.962	1.0048	345.44	5.1382	.90593	48.871	.84272
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.325	1.3736	6.2690	.22317	1.6944	4.2715	9.1410	W 2.0487	4.4439	.85116
Stddev	.015	.0041	.0054	.00494	.0014	.0742	.1588	.0018	.0224	.01443
%RSD	.11238	.29706	.08543	2.2152	.08079	1.7378	1.7378	.08945	.50327	1.6958
#1	13.336	1.3765	6.2653	.22667	1.6935	4.3240	9.2533	2.0500	4.4597	.84096
#2	13.315	1.3707	6.2728	.21968	1.6954	4.2190	9.0286	2.0474	4.4280	.86137
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4672	1.4786	1.6206	.63891	2.2518	.50337
Stddev	.0032	.0024	.0600	.00026	.0009	.00363
%RSD	.13169	.16266	3.6991	.04130	.03990	.72171
#1	2.4695	1.4803	1.6630	.63910	2.2525	.50594
#2	2.4649	1.4769	1.5782	.63873	2.2512	.50080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6316.0	78819.	8706.7
Stddev	8.0	273.	56.0
%RSD	.12612	.34658	.64340
#1	6310.4	79012.	8667.1
#2	6321.7	78626.	8746.4

Sample Name: 280-46506-a-28-hPDS Acquired: 9/25/2013 18:14:14 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21523	131.29	.30084	.15051	W 20.967	.04703	.03941	F 1012.6	.06354	.08382
Stddev	.00006	.73	.00070	.00082	.178	.00003	.00311	.8	.00077	.00086
%RSD	.02796	.55924	.23244	.54225	.85002	.06077	7.8782	.07520	1.2126	1.0301
#1	.21527	131.80	.30035	.15108	21.093	.04705	.04161	1013.2	.06409	.08443
#2	.21519	130.77	.30134	.14993	20.841	.04701	.03722	1012.1	.06300	.08321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000			1000.0		
Low Limit	-.01000				-.01000			-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22930	6.9848	312.21	31.478	.16431	269.64	3.7665	.07891	21.880	.40662
Stddev	.00186	.0137	2.05	.237	.00415	2.73	.0456	.00072	.031	.00315
%RSD	.80999	.19671	.65790	.75377	2.5279	1.0122	1.2115	.90997	.14279	.77412
#1	.23061	6.9945	313.66	31.645	.16137	271.57	3.7988	.07942	21.902	.40885
#2	.22798	6.9751	310.76	31.310	.16725	267.71	3.7342	.07841	21.858	.40440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 8.3124	.99473	4.8627	.11279	.17026	7.5331	16.121	.47651	3.6004	.18472
Stddev	.0187	.00387	.0511	.00130	.00114	.1008	.216	.00293	.0227	.00148
%RSD	.22503	.38899	1.0512	1.1504	.67169	1.3375	1.3375	.61587	.62903	.80119
#1	8.3256	.99747	4.8988	.11187	.17107	7.6043	16.273	.47859	3.6164	.18367
#2	8.2992	.99200	4.8265	.11371	.16945	7.4618	15.968	.47444	3.5844	.18577
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0324	.15784	.24798	.18663	1.4758	.11082
Stddev	.0005	.00004	.01972	.00061	.0101	.00074
%RSD	.05201	.02383	7.9522	.32731	.68392	.67212
#1	1.0320	.15787	.26192	.18707	1.4829	.11135
#2	1.0328	.15781	.23404	.18620	1.4687	.11030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6559.5	82010.	8868.9
Stddev	26.3	1022.	52.4
%RSD	.40141	1.2462	.59105
#1	6578.1	81287.	8831.8
#2	6540.9	82733.	8905.9

Sample Name: 280-46506-a-9-e Acquired: 9/25/2013 18:17:27 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**84.125**	**.11351**	**.05024**	**5.1288**	**.00428**	**.02508**	W **971.75**	**.00852**	**.03876**
Stddev	.00023	.191	.00408	.00041	.0010	.00001	.00062	25.55	.00022	.00003
%RSD	3.5572	.22681	3.5957	.80788	.02004	.32306	2.4625	2.6295	2.5999	.07731
#1	.00657	84.260	.11640	.04995	5.1295	.00429	.02464	953.69	.00868	.03874
#2	.00625	83.990	.11062	.05053	5.1281	.00427	.02551	989.82	.00837	.03878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15552**	**.82275**	**143.11**	**13.846**	**.12082**	**136.11**	**3.1089**	**.01386**	**4.5474**	**.18286**
Stddev	.00053	.00465	.14	.071	.00234	2.03	.0084	.00055	.0124	.00070
%RSD	.34057	.56465	.09510	.50985	1.9357	1.4914	.27182	3.9336	.27335	.38431
#1	.15590	.82604	143.01	13.896	.12247	137.55	3.1148	.01424	4.5386	.18336
#2	.15515	.81947	143.20	13.796	.11916	134.68	3.1029	.01347	4.5562	.18237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.7930**	**.35861**	**2.2567**	**.01424**	W **-.00651**	**2.2544**	**4.8243**	**.04183**	**2.9979**	**.02176**
Stddev	.0087	.00048	.0093	.00315	.00018	.0202	.0432	.00012	.0002	.00391
%RSD	.14954	.13361	.41317	22.124	2.7119	.89647	.89647	.29687	.00793	17.969
#1	5.7991	.35895	2.2633	.01202	-.00639	2.2401	4.7938	.04174	2.9980	.01900
#2	5.7869	.35827	2.2501	.01647	-.00664	2.2687	4.8549	.04192	2.9977	.02453
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1107**	**.00160**	F **-.21753**	**.18761**	**.60155**	**.07969**
Stddev	.0059	.00130	.02500	.00197	.00344	.00108
%RSD	.53451	81.434	11.491	1.0500	.57192	1.3574
#1	1.1149	.00251	-.19986	.18900	.60398	.08045
#2	1.1065	.00068	-.23521	.18622	.59911	.07892
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6811.4**	**84340.**	**8993.5**
Stddev	7.6	560.	38.9
%RSD	.11153	.66399	.43235
#1	6816.8	83944.	9021.0
#2	6806.0	84736.	8966.0

Sample Name: 280-46506-a-10-e Acquired: 9/25/2013 18:19:58 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**83.259**	**.12809**	**.06761**	**1.3968**	**.00483**	**.02984**	W **806.73**	**.00797**	**.04201**
Stddev	.00008	.110	.00733	.00033	.0048	.00000	.00246	14.93	.00018	.00031
%RSD	1.0461	.13204	5.7201	.48257	.34191	.05251	8.2479	1.8509	2.2187	.73098
#1	.00794	83.181	.12291	.06738	1.3935	.00484	.03158	796.17	.00810	.04223
#2	.00806	83.337	.13327	.06784	1.4002	.00483	.02810	817.29	.00785	.04179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16959**	**1.4104**	**140.35**	**17.307**	**.13126**	**112.78**	**3.3139**	**.01961**	**4.3425**	**.19070**
Stddev	.00002	.0020	.82	.029	.00139	.03	.0294	.00022	.0425	.00012
%RSD	.01258	.14321	.58687	.16703	1.0575	.02437	.88610	1.1244	.97866	.06228
#1	.16958	1.4118	139.77	17.287	.13224	112.80	3.2931	.01977	4.3124	.19062
#2	.16961	1.4090	140.94	17.327	.13028	112.76	3.3346	.01946	4.3725	.19078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.7460**	**.21718**	**2.0087**	**.01049**	W **-.00519**	**2.5386**	**5.4326**	**.02491**	**2.6020**	**.02665**
Stddev	.0125	.00230	.0040	.00001	.00159	.0150	.0321	.00079	.0059	.00102
%RSD	.21830	1.0575	.19689	.10812	30.624	.59164	.59164	3.1828	.22749	3.8249
#1	5.7549	.21881	2.0059	.01049	-.00632	2.5492	5.4554	.02435	2.5978	.02738
#2	5.7371	.21556	2.0115	.01048	-.00407	2.5280	5.4099	.02547	2.6062	.02593
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3831**	**.00372**	F **-.22858**	**.19810**	**.61375**	**.09240**
Stddev	.0111	.00290	.01826	.00059	.00199	.00140
%RSD	.80314	78.069	7.9868	.29611	.32343	1.5127
#1	1.3910	.00577	-.24148	.19852	.61516	.09339
#2	1.3753	.00167	-.21567	.19769	.61235	.09142
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6906.9**	**84670.**	**8969.7**
Stddev	16.2	19.	53.3
%RSD	.23382	.02203	.59391
#1	6895.5	84683.	9007.3
#2	6918.3	84657.	8932.0

Sample Name: CCVH-2271055 Acquired: 9/25/2013 18:22:21 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00476**	**49.807**	**.00386**	**.00427**	**.00152**	**-.00002**	**1.0224**	**.31608**	**.00046**	**-.00046**	**-.00082**	**-.00878**	**50.749**
Stddev	.00026	.054	.00011	.00041	.00001	.00001	.0002	.07363	.00034	.00022	.00006	.00003	.393
%RSD	5.4334	.10827	2.8566	9.6428	.85176	47.822	.01544	23.295	73.868	48.421	7.9076	.35326	.77499
#1	-.00458	49.769	.00394	.00398	.00151	-.00003	1.0223	.36815	.00070	-.00030	-.00087	-.00881	50.471
#2	-.00494	49.845	.00378	.00456	.00153	-.00001	1.0226	.26402	.00022	-.00062	-.00078	-.00876	51.027
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05677**	**.00296**	**-.06349**	**-.00004**	**-.00052**	**253.18**	**.00010**	**.00496**	**.00061**	**4.9774**	**.00265**	**-.00539**	**-.02251**
Stddev	.10127	.00180	.00378	.00005	.00019	.06	.00044	.00027	.00084	.0023	.00091	.00105	.00261
%RSD	178.37	60.680	5.9471	123.42	35.972	.02203	425.81	5.4613	138.14	.04601	34.330	19.544	11.597
#1	.12838	.00423	-.06082	.00000	-.00065	253.14	-.00021	.00515	.00121	4.9790	.00330	-.00614	-.02066
#2	-.01483	.00169	-.06616	-.00007	-.00039	253.22	.00042	.00477	.00001	4.9758	.00201	-.00465	-.02436
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04817**	**.00154**	**.00120**	**4.9812**	**.00880**	**.00494**	**10.366**	**.00017**	**.00098**	**-.04802**
Stddev	.00559	.00099	.00021	.0043	.00024	.00054	.044	.00032	.00031	.00339
%RSD	11.597	64.220	17.825	.08669	2.7608	10.876	.42201	189.63	31.280	7.0703
#1	-.04422	.00224	.00136	4.9782	.00897	.00456	10.335	-.00006	.00120	-.05042
#2	-.05212	.00084	.00105	4.9843	.00863	.00532	10.397	.00040	.00076	-.04562
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6540.1**	**82303.**	**8056.2**
Stddev	12.6	80.	52.0
%RSD	.19294	.09660	.64593
#1	6549.0	82246.	8093.0
#2	6531.2	82359.	8019.4

Sample Name: CCV-2271054 Acquired: 9/25/2013 18:24:39 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50169**	**.52934**	**.99504**	**.50261**	**.50760**	**.48766**	**.00358**	**5.0065**	**.50617**	**.51317**	**.50030**	**.50840**	**2.4591**
Stddev	.00228	.00055	.00384	.00146	.00011	.00021	.00030	.0234	.00099	.00064	.00104	.00135	.0084
%RSD	.45353	.10435	.38565	.29086	.02105	.04267	8.5030	.46767	.19500	.12565	.20738	.26555	.34366
#1	.50330	.52895	.99233	.50158	.50767	.48780	.00337	5.0231	.50547	.51363	.50103	.50744	2.4651
#2	.50008	.52973	.99776	.50364	.50752	.48751	.00380	4.9899	.50687	.51271	.49957	.50935	2.4531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.580**	**1.0032**	**20.764**	**.50982**	**.52059**	**5.2255**	**.51250**	**1.0275**	**1.0321**	**.01652**	**.98037**	**.99530**	**4.8930**
Stddev	.057	.0004	.001	.00052	.00034	.0411	.00174	.0066	.0023	.00615	.00998	.00283	.0131
%RSD	.11223	.04050	.00377	.10150	.06532	.78700	.33876	.63977	.22446	37.244	1.0180	.28397	.26733
#1	50.540	1.0035	20.764	.51019	.52083	5.2546	.51373	1.0229	1.0337	.01217	.98743	.99330	4.9023
#2	50.620	1.0029	20.765	.50946	.52035	5.1965	.51128	1.0322	1.0305	.02088	.97331	.99730	4.8838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.471**	**1.0428**	**.50143**	**-.00265**	**.50926**	**1.0374**	**-.00959**	**.50241**	**.51923**	**.50101**
Stddev	.028	.0016	.00090	.00141	.00004	.0019	.00425	.00038	.00012	.00273
%RSD	.26733	.15184	.17989	53.245	.00829	.18746	44.354	.07552	.02331	.54574
#1	10.491	1.0417	.50207	-.00165	.50929	1.0388	-.00658	.50214	.51932	.50294
#2	10.451	1.0439	.50079	-.00364	.50924	1.0360	-.01260	.50267	.51915	.49908
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6716.2**	**85279.**	**8217.5**
Stddev	29.1	92.	25.6
%RSD	.43364	.10839	.31199
#1	6695.6	85213.	8199.4
#2	6736.8	85344.	8235.6

Sample Name: CCB Acquired: 9/25/2013 18:26:48 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00179**	**.00314**	**.00196**	**.00040**	**.00016**	**.00094**	**.01014**	W **-.00045**	**.00017**	**-.00003**
Stddev	.00051	.00020	.00414	.00005	.00024	.00010	.00170	.00269	.00007	.00000	.00019
%RSD	80.580	11.283	131.70	2.5530	60.655	64.013	181.19	26.569	15.752	1.6712	721.98
#1	.00027	.00193	.00607	.00192	.00023	.00023	-.00026	.00824	-.00050	.00017	.00011
#2	.00099	.00165	.00022	.00199	.00057	.00009	.00214	.01205	-.00040	.00017	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit									.00045		
Low Limit									-.00045		

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00632**	**.11011**	F **.00536**	**.00626**	**.00010**	**.00038**	**.04267**	**-.00033**	**-.00092**	**-.00155**
Stddev	.00028	.00163	.07175	.00113	.00349	.00000	.00001	.00561	.00006	.00034	.00027
%RSD	56.480	25.840	65.164	21.038	55.818	2.7748	1.8141	13.143	18.575	36.414	17.571
#1	-.00030	.00516	.16085	.00616	.00873	.00010	.00037	.03870	-.00029	-.00116	-.00136
#2	-.00071	.00747	.05938	.00456	.00379	.00009	.00038	.04663	-.00037	-.00069	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01232**	F **.01675**	W **-.00702**	**-.00159**	**-.00341**	**.00122**	**.00028**	**-.00192**	**-.00006**	**.00084**	**.00775**
Stddev	.00101	.00558	.00000	.00482	.01031	.00004	.00001	.00091	.00016	.00025	.03867
%RSD	8.2021	33.287	.00820	302.73	302.73	3.0677	2.5856	47.245	247.10	30.014	499.32
#1	.01161	.01281	-.00702	.00182	.00389	.00125	.00027	-.00256	.00005	.00102	.03509
#2	.01303	.02069	-.00702	-.00500	-.01070	.00120	.00029	-.00128	-.00018	.00066	-.01960
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00026**	**.00174**	**.00088**
Stddev	.00007	.00052	.00046
%RSD	27.952	29.981	52.639
#1	.00021	.00211	.00121
#2	.00031	.00137	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6790.5**	**87411.**	**8195.4**
Stddev	14.7	270.	26.7
%RSD	.21595	.30835	.32583
#1	6780.1	87602.	8176.5
#2	6800.9	87221.	8214.3

Sample Name: CCVL-2271034 Acquired: 9/25/2013 18:29:06 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01033**	**.11499**	**.01082**	**.10059**	**.01092**	**.00092**	**.11399**	**.20843**	**.00528**	**.01097**	**.01039**	**.01481**	**.10411**
Stddev	.00067	.00016	.00145	.00043	.00023	.00001	.00146	.00230	.00016	.00005	.00010	.00018	.00031
%RSD	6.4752	.13824	13.439	.42580	2.1425	.64885	1.2807	1.1057	3.0358	.48609	.93708	1.2116	.29543
#1	.01080	.11488	.01185	.10089	.01076	.00092	.11296	.21006	.00539	.01093	.01032	.01494	.10390
#2	.00986	.11510	.00980	.10029	.01109	.00093	.11502	.20680	.00517	.01101	.01046	.01469	.10433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0900**	F **.01552**	**.21707**	**.01054**	**.02030**	**1.0945**	**.04236**	**2.9975**	**.01023**	**.03439**	F **.01939**	**.01299**	**.49519**
Stddev	.0112	.00118	.00001	.00005	.00011	.0224	.00002	.0049	.00123	.00070	.00293	.00218	.00609
%RSD	.36191	7.5869	.00640	.44358	.52219	2.0431	.04036	.16370	12.015	2.0269	15.117	16.788	1.2306
#1	3.0979	.01469	.21708	.01050	.02022	1.1103	.04237	3.0009	.01110	.03389	.01732	.01453	.49088
#2	3.0821	.01636	.21706	.01057	.02037	1.0787	.04235	2.9940	.00936	.03488	.02147	.01145	.49950
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0597**	**.10625**	**.01019**	**.01470**	**.01008**	**.01596**	**.04989**	**.01019**	**.02252**	**.01466**
Stddev	.0130	.00122	.00006	.00144	.00014	.00055	.01353	.00060	.00008	.00283
%RSD	1.2306	1.1529	.61480	9.8147	1.3849	3.4393	27.127	5.8852	.36790	19.296
#1	1.0505	.10538	.01023	.01368	.01017	.01557	.05946	.01061	.02258	.01266
#2	1.0689	.10712	.01014	.01572	.00998	.01635	.04032	.00976	.02247	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6695.2**	**85750.**	**8123.7**
Stddev	33.3	113.	66.6
%RSD	.49707	.13195	.81980
#1	6671.6	85830.	8170.8
#2	6718.7	85670.	8076.6

Sample Name: 280-46506-a-11-e Acquired: 9/25/2013 18:31:25 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02358**	**83.216**	**.10214**	**.06440**	**1.6291**	**.00465**	**.02658**	W **728.94**	**.00850**	**.03751**
Stddev	.00018	.165	.00202	.00046	.0038	.00001	.00008	4.22	.00010	.00017
%RSD	.77619	.19781	1.9766	.72015	.23527	.29102	.30657	.57918	1.2155	.45857
#1	.02371	83.333	.10357	.06407	1.6264	.00464	.02652	731.92	.00858	.03739
#2	.02345	83.100	.10071	.06473	1.6318	.00466	.02663	725.95	.00843	.03764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13429**	**.61156**	**127.57**	**17.087**	**.12954**	**109.35**	**2.9667**	**.01007**	**2.3682**	**.16123**
Stddev	.00042	.00168	.71	.008	.00056	.05	.0199	.00024	.0214	.00047
%RSD	.31010	.27404	.55554	.04422	.43516	.04152	.67026	2.4175	.90428	.29451
#1	.13400	.61038	127.07	17.082	.12914	109.38	2.9527	.01024	2.3833	.16090
#2	.13458	.61275	128.07	17.093	.12993	109.32	2.9808	.00989	2.3530	.16157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.5431**	**.32283**	**1.4549**	**.00604**	W **-.00904**	**2.5544**	**5.4665**	**.03676**	**2.5835**	**.02637**
Stddev	.0027	.00211	.0081	.00006	.00320	.0704	.1507	.00004	.0052	.00020
%RSD	.04045	.65404	.55840	.91363	35.400	2.7560	2.7560	.10516	.20279	.77099
#1	6.5413	.32134	1.4492	.00608	-.00678	2.6042	5.5730	.03673	2.5798	.02623
#2	6.5450	.32432	1.4607	.00601	-.01130	2.5047	5.3600	.03678	2.5872	.02652
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3622**	**.00241**	F **-.22819**	**.18993**	**.59385**	**.08132**
Stddev	.0019	.00226	.01647	.00115	.00085	.00238
%RSD	.14038	94.132	7.2196	.60772	.14260	2.9277
#1	1.3608	.00401	-.21655	.18912	.59445	.07963
#2	1.3635	.00080	-.23984	.19075	.59325	.08300
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6998.9**	**86719.**	**9235.4**
Stddev	4.8	412.	88.7
%RSD	.06915	.47455	.96081
#1	7002.3	86428.	9172.7
#2	6995.5	87010.	9298.2

Sample Name: 280-46506-a-12-e Acquired: 9/25/2013 18:33:49 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00664**	**76.072**	**.09500**	**.06128**	**1.5598**	**.00438**	**.02344**	W **867.67**	**.00715**	**.03625**
Stddev	.00056	.094	.00071	.00060	.0046	.00007	.00022	3.39	.00004	.00028
%RSD	8.4294	.12374	.75097	.98366	.29599	1.6513	.92896	.39040	.59275	.76086
#1	.00704	76.006	.09450	.06171	1.5565	.00443	.02360	865.27	.00712	.03605
#2	.00625	76.139	.09550	.06085	1.5631	.00433	.02329	870.06	.00718	.03644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12238**	**6.0924**	**112.70**	**16.526**	**.11921**	**109.75**	**3.1247**	**.00859**	**2.6009**	**.14876**
Stddev	.00127	.0302	.03	.083	.00167	.56	.0014	.00016	.0129	.00163
%RSD	1.0403	.49603	.02380	.49959	1.3971	.50606	.04511	1.8244	.49612	1.0981
#1	.12148	6.1138	112.69	16.467	.11803	110.15	3.1257	.00848	2.5918	.14761
#2	.12328	6.0711	112.72	16.584	.12039	109.36	3.1237	.00870	2.6101	.14992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.3305**	**.16814**	**1.4738**	**.01292**	W **-.00799**	**2.0630**	**4.4148**	**.02100**	**2.5070**	**.02248**
Stddev	.0218	.00077	.0182	.00291	.00286	.0200	.0427	.00013	.0086	.00243
%RSD	.40953	.45948	1.2342	22.494	35.837	.96784	.96784	.63843	.34259	10.812
#1	5.3150	.16759	1.4610	.01497	-.00596	2.0489	4.3846	.02090	2.5009	.02076
#2	5.3459	.16868	1.4867	.01086	-.01001	2.0771	4.4450	.02109	2.5131	.02420
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2536**	**.00100**	F **-.24165**	**.17550**	**1.0332**	**.07364**
Stddev	.0024	.00047	.05599	.00052	.0045	.00061
%RSD	.19181	47.066	23.171	.29535	.43891	.82549
#1	1.2553	.00133	-.20205	.17587	1.0364	.07321
#2	1.2519	.00066	-.28124	.17514	1.0300	.07407
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6871.5**	**85016.**	**9003.2**
Stddev	46.1	284.	37.7
%RSD	.67134	.33387	.41890
#1	6904.1	84815.	8976.5
#2	6838.9	85217.	9029.9

Sample Name: 280-46506-a-13-e Acquired: 9/25/2013 18:36:14 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**91.630**	**.13412**	**.10597**	**1.9040**	**.00522**	**.03017**	F **1063.5**	**.00817**	**.04138**
Stddev	.00060	.516	.00093	.00035	.0111	.00010	.00131	10.9	.00005	.00011
%RSD	57.060	.56297	.69282	.33216	.58028	1.9069	4.3287	1.0278	.55156	.25978
#1	.00063	91.266	.13478	.10622	1.8962	.00515	.03109	1055.8	.00814	.04145
#2	.00148	91.995	.13347	.10572	1.9118	.00529	.02925	1071.2	.00821	.04130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14850**	**.26328**	**134.37**	**21.364**	**.15349**	**124.26**	**3.3934**	**.01261**	**11.451**	**.16337**
Stddev	.00026	.00029	1.17	.171	.00408	.28	.0266	.00049	.328	.00088
%RSD	.17825	.11033	.86869	.80239	2.6569	.22217	.78352	3.9048	2.8633	.53616
#1	.14831	.26308	133.54	21.242	.15061	124.45	3.3746	.01296	11.683	.16275
#2	.14869	.26349	135.19	21.485	.15637	124.06	3.4122	.01227	11.219	.16399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7116**	**.19346**	**6.6312**	**.01186**	W **-.00557**	**2.4755**	**5.2976**	**.01884**	**3.5126**	**.03265**
Stddev	.0020	.00046	.0058	.00247	.00188	.0690	.1477	.00098	.0193	.00239
%RSD	.02934	.23534	.08681	20.804	33.787	2.7883	2.7883	5.1908	.54875	7.3134
#1	6.7130	.19313	6.6271	.01361	-.00424	2.4267	5.1932	.01814	3.4990	.03434
#2	6.7102	.19378	6.6353	.01012	-.00690	2.5243	5.4021	.01953	3.5263	.03096
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6850**	**.00176**	F **-.30495**	**.22272**	**.57641**	**.10751**
Stddev	.0016	.00046	.02193	.00024	.00023	.00412
%RSD	.09399	25.916	7.1901	.10763	.04012	3.8324
#1	1.6838	.00144	-.28945	.22289	.57625	.10459
#2	1.6861	.00208	-.32046	.22255	.57657	.11042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.5**	**84543.**	**9100.8**
Stddev	14.8	162.	106.1
%RSD	.21452	.19178	1.1655
#1	6920.9	84429.	9175.8
#2	6900.0	84658.	9025.8

Sample Name: 280-46506-a-14-e Acquired: 9/25/2013 18:39:18 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08440**	**80.108**	**.13050**	**.05538**	**4.0114**	**.00419**	**.04360**	F **1084.8**	**.01111**	**.04380**
Stddev	.00016	.206	.00414	.00089	.0007	.00010	.00107	20.3	.00022	.00001
%RSD	.18944	.25738	3.1723	1.6040	.01738	2.2823	2.4493	1.8700	2.0099	.03023
#1	.08429	79.963	.12757	.05601	4.0119	.00426	.04435	1099.2	.01127	.04381
#2	.08452	80.254	.13343	.05475	4.0109	.00413	.04284	1070.5	.01095	.04379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15772**	**2.7132**	**274.13**	**15.103**	**.09994**	**151.82**	**3.7469**	**.02046**	**5.6608**	**.24135**
Stddev	.00058	.0041	.39	.088	.00043	.51	.0094	.00005	.0024	.00078
%RSD	.37077	.15084	.14395	.58240	.42583	.33383	.24985	.22590	.04216	.32377
#1	.15813	2.7161	273.85	15.166	.09963	152.18	3.7403	.02042	5.6591	.24190
#2	.15730	2.7103	274.41	15.041	.10024	151.46	3.7535	.02049	5.6625	.24080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.7506**	**.38230**	**2.9813**	**.01398**	W **-.00663**	**2.7336**	**5.8499**	**.09386**	**3.5703**	**.01243**
Stddev	.0171	.00162	.0006	.00032	.00374	.0539	.1155	.00047	.0006	.00010
%RSD	.29811	.42475	.01860	2.2812	56.473	1.9735	1.9735	.50079	.01706	.79266
#1	5.7627	.38345	2.9817	.01420	-.00398	2.7718	5.9315	.09419	3.5707	.01250
#2	5.7385	.38115	2.9809	.01375	-.00927	2.6955	5.7683	.09353	3.5698	.01236
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1602**	**-.00027**	F **-.24968**	**.18440**	**.68860**	**.08019**
Stddev	.0001	.00051	.03882	.00021	.00044	.00036
%RSD	.00398	190.08	15.547	.11220	.06351	.45128
#1	1.1602	-.00063	-.22223	.18455	.68891	.07993
#2	1.1603	.00009	-.27713	.18426	.68829	.08044
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6757.8**	**83353.**	**9085.0**
Stddev	6.6	234.	38.7
%RSD	.09794	.28056	.42613
#1	6762.5	83187.	9057.6
#2	6753.1	83518.	9112.4

Sample Name: 280-46506-a-15-e Acquired: 9/25/2013 18:42:28 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05159**	**82.540**	**.14727**	**.05372**	**4.3052**	**.00474**	**.04691**	F **1092.7**	**.01456**	**.04556**
Stddev	.00078	.026	.00082	.00008	.0134	.00003	.00254	15.9	.00010	.00020
%RSD	1.5066	.03115	.55787	.14633	.31039	.72873	5.4226	1.4533	.69787	.43862
#1	.05104	82.559	.14669	.05378	4.3147	.00477	.04511	1081.5	.01463	.04542
#2	.05214	82.522	.14786	.05367	4.2958	.00472	.04871	1103.9	.01449	.04570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17741**	**1.3957**	**267.33**	**14.761**	**.11848**	**157.27**	**4.0520**	**.02335**	**5.8839**	**.24530**
Stddev	.00030	.0026	.88	.020	.00313	3.18	.0012	.00028	.0344	.00103
%RSD	.16767	.18656	.33057	.13483	2.6409	2.0242	.03056	1.1984	.58410	.41860
#1	.17762	1.3976	267.95	14.775	.11627	159.52	4.0511	.02355	5.9082	.24602
#2	.17719	1.3939	266.70	14.746	.12069	155.02	4.0529	.02315	5.8596	.24457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.8342**	**.38628**	**3.0859**	**.01841**	F **-.01343**	**2.5453**	**5.4469**	**.12278**	**3.5205**	**.01423**
Stddev	.0239	.00128	.0064	.00156	.00169	.0272	.0582	.00031	.0096	.00246
%RSD	.34962	.33204	.20748	8.4827	12.580	1.0687	1.0687	.25513	.27223	17.296
#1	6.8173	.38538	3.0904	.01731	-.01462	2.5645	5.4881	.12300	3.5273	.01597
#2	6.8511	.38719	3.0814	.01951	-.01223	2.5260	5.4057	.12256	3.5137	.01249
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				50.000					
Low Limit	-1.0000				-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1654**	**-.00075**	F **-.28175**	**.20188**	**.75834**	**.08444**
Stddev	.0071	.00021	.03046	.00016	.00592	.00064
%RSD	.60974	27.659	10.812	.08077	.78092	.75711
#1	1.1704	-.00089	-.30330	.20176	.76253	.08399
#2	1.1604	-.00060	-.26021	.20199	.75415	.08489
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6737.9**	**83204.**	**9059.8**
Stddev	39.5	429.	39.2
%RSD	.58684	.51520	.43273
#1	6710.0	82901.	9087.6
#2	6765.9	83507.	9032.1

Sample Name: 280-46506-a-16-d Acquired: 9/25/2013 18:45:38 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 3.2932	145.56	.14976	.07321	W 12.370	.00473	W .05913	W 786.99	.06341	.06118
Stddev	.0089	1.60	.00170	.00053	.078	.00008	.00067	8.72	.00021	.00021
%RSD	.26984	1.0962	1.1331	.71861	.63251	1.7135	1.1390	1.1086	.33562	.35013
#1	3.2869	146.69	.14856	.07284	12.314	.00478	.05865	793.16	.06356	.06103
#2	3.2995	144.43	.15096	.07358	12.425	.00467	.05960	780.82	.06325	.06133
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000				10.000		.05000	500.00		
Low Limit	-.02000				-.01000		-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21393	7.1651	345.12	18.526	.13880	150.45	4.6152	.03360	3.8896	.38970
Stddev	.00017	.0163	3.22	.197	.00157	.94	.0074	.00006	.0266	.00071
%RSD	.07877	.22697	.93205	1.0641	1.1338	.62595	.15960	.16603	.68389	.18118
#1	.21381	7.1536	347.40	18.666	.13991	151.11	4.6205	.03364	3.9085	.38920
#2	.21405	7.1766	342.85	18.387	.13768	149.78	4.6100	.03356	3.8708	.39020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 5.6175	.75841	4.2076	.01707	W -.00980	2.3873	5.1087	.23411	2.5080	.01315
Stddev	.0012	.00124	.0110	.00066	.00341	.0611	.1307	.00124	.0272	.00393
%RSD	.02163	.16413	.26172	3.8675	34.812	2.5576	2.5576	.52762	1.0838	29.891
#1	5.6183	.75753	4.2154	.01754	-.01221	2.4304	5.2011	.23498	2.5272	.01037
#2	5.6166	.75929	4.1998	.01660	-.00739	2.3441	5.0163	.23324	2.4888	.01593
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4423	.00045	F -.31292	.20921	1.1526	.10220
Stddev	.0005	.00018	.00236	.00081	.0003	.00080
%RSD	.03416	39.331	.75370	.38814	.02929	.78596
#1	1.4419	.00032	-.31125	.20978	1.1529	.10163
#2	1.4426	.00057	-.31458	.20863	1.1524	.10277
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6816.7	85142.	9096.8
Stddev	10.3	6.	3.8
%RSD	.15066	.00717	.04125
#1	6823.9	85146.	9099.4
#2	6809.4	85137.	9094.1

Sample Name: 280-46506-a-17-d Acquired: 9/25/2013 18:48:17 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.24974**	**149.49**	**.15716**	**.08366**	W **14.500**	**.00481**	W **.05257**	W **911.29**	**.03032**	**.05472**
Stddev	.00086	.75	.00044	.00023	.106	.00010	.00061	15.77	.00004	.00039
%RSD	.34249	.50004	.27727	.27094	.72887	2.0289	1.1520	1.7299	.13121	.71276
#1	.24913	150.02	.15685	.08350	14.574	.00474	.05215	922.44	.03029	.05499
#2	.25034	148.97	.15747	.08382	14.425	.00488	.05300	900.14	.03035	.05444
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000				10.000		.05000	500.00		
Low Limit	-.01000				-.01000		-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21010**	**6.9775**	**350.97**	**22.446**	**.13980**	**130.72**	**4.2637**	**.03567**	**5.8853**	**.42641**
Stddev	.00123	.0172	.58	.120	.00001	2.15	.0407	.00069	.0169	.00356
%RSD	.58757	.24672	.16534	.53678	.00905	1.6468	.95469	1.9210	.28668	.83561
#1	.20922	6.9896	351.38	22.531	.13979	129.20	4.2350	.03518	5.8973	.42389
#2	.21097	6.9653	350.56	22.361	.13981	132.25	4.2925	.03615	5.8734	.42893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.6515**	**.65466**	**5.3509**	**.01786**	**-.00375**	**2.5247**	**5.4028**	**.22071**	**2.9508**	**.01423**
Stddev	.0250	.00356	.0011	.00012	.00087	.0338	.0723	.00192	.0065	.00048
%RSD	.44179	.54409	.01986	.66435	23.211	1.3388	1.3388	.86901	.22123	3.3694
#1	5.6339	.65214	5.3501	.01778	-.00436	2.5486	5.4539	.21935	2.9554	.01457
#2	5.6692	.65717	5.3516	.01794	-.00313	2.5008	5.3516	.22207	2.9462	.01390
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6610**	**-.00128**	F **-.29293**	**.19935**	**1.1427**	**.09918**
Stddev	.0015	.00017	.00368	.00022	.0028	.00224
%RSD	.09314	13.208	1.2578	.11157	.24483	2.2549
#1	1.6621	-.00140	-.29553	.19950	1.1447	.09760
#2	1.6599	-.00116	-.29032	.19919	1.1407	.10076
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.4**	**85854.**	**9189.1**
Stddev	46.0	81.	16.8
%RSD	.66419	.09395	.18281
#1	6962.9	85797.	9177.2
#2	6897.8	85911.	9201.0

Sample Name: 280-46506-a-18-g Acquired: 9/25/2013 18:50:56 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07968**	**117.20**	**.14978**	**.06636**	W **18.877**	**.00336**	W **.07193**	F **1001.6**	**.01697**	**.05457**
Stddev	.00106	.69	.00140	.00069	.307	.00003	.00507	20.7	.00037	.00017
%RSD	1.3321	.58458	.93322	1.0362	1.6239	.76792	7.0504	2.0629	2.1837	.31572
#1	.08043	117.68	.15077	.06685	19.094	.00338	.07552	987.02	.01670	.05444
#2	.07893	116.71	.14879	.06588	18.661	.00334	.06835	1016.2	.01723	.05469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit					10.000		.05000	1000.0		
Low Limit					-.01000		-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24150**	**6.8707**	W **544.07**	**14.771**	**.08424**	**288.50**	**4.8808**	**.04934**	**7.8086**	**.42334**
Stddev	.00029	.0108	2.31	.074	.00186	1.80	.0767	.00008	.0261	.00129
%RSD	.11904	.15698	.42463	.49782	2.2137	.62489	1.5714	.15206	.33416	.30514
#1	.24130	6.8631	545.70	14.823	.08556	289.77	4.9351	.04939	7.8270	.42243
#2	.24171	6.8783	542.44	14.719	.08293	287.22	4.8266	.04928	7.7901	.42425
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7740**	**1.0230**	**6.6955**	**.02018**	F **-.01060**	**3.5077**	**7.5066**	**.34125**	**3.1347**	W **-.01503**
Stddev	.0050	.0004	.0028	.00042	.00217	.0733	.1568	.00093	.0099	.00107
%RSD	.10532	.04243	.04197	2.0618	20.490	2.0893	2.0893	.27265	.31574	7.0888
#1	4.7704	1.0233	6.6975	.01989	-.01213	3.5596	7.6175	.34060	3.1417	-.01428
#2	4.7775	1.0227	6.6935	.02048	-.00906	3.4559	7.3957	.34191	3.1277	-.01579
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	2.0000				50.000					45.000
Low Limit	-1.0000				-.01000					-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2351**	**-.00524**	F **-.25017**	**.16013**	**1.3796**	**.08032**
Stddev	.0046	.00053	.02381	.00064	.0022	.00268
%RSD	.37047	10.099	9.5188	.40069	.15872	3.3359
#1	1.2383	-.00487	-.26701	.16059	1.3812	.08221
#2	1.2319	-.00562	-.23333	.15968	1.3781	.07842
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6505.6**	**82218.**	**8869.7**
Stddev	6.3	671.	127.5
%RSD	.09693	.81638	1.4371
#1	6510.1	81744.	8779.5
#2	6501.2	82693.	8959.8

Sample Name: CCVH-2271055 Acquired: 9/25/2013 18:54:09 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00509**	**49.690**	**.00508**	**.00325**	**.00051**	**-.00003**	**1.0169**	**.03351**	**.00047**	**-.00033**	**-.00082**	**-.00788**	**51.131**
Stddev	.00030	.078	.00811	.00004	.00040	.00008	.0051	.00380	.00003	.00009	.00009	.00042	.313
%RSD	5.9621	.15687	159.88	1.1010	78.543	294.02	.49935	11.328	6.7344	27.382	10.495	5.3524	.61249
#1	-.00530	49.745	.01081	.00327	.00022	.00003	1.0205	.03620	.00050	-.00039	-.00088	-.00758	50.910
#2	-.00487	49.635	-.00066	.00322	.00079	-.00008	1.0133	.03083	.00045	-.00026	-.00076	-.00818	51.353
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00754**	**.00024**	**-.06838**	**-.00040**	**-.00039**	**252.84**	**.00014**	**.00217**	**.00013**	**4.9597**	**.00041**	**-.00658**	**.01266**
Stddev	.04222	.00025	.01480	.00025	.00004	.94	.00005	.00151	.00095	.0076	.00112	.00332	.00269
%RSD	560.36	102.72	21.639	60.854	9.8806	.37187	35.653	69.549	729.64	.15326	271.42	50.502	21.233
#1	.03739	.00042	-.05791	-.00023	-.00042	253.50	.00010	.00324	-.00054	4.9651	-.00038	-.00893	.01076
#2	-.02232	.00007	-.07884	-.00058	-.00036	252.18	.00017	.00110	.00081	4.9543	.00121	-.00423	.01456
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02710**	**.00089**	**.00025**	**4.9425**	**.00852**	**.00205**	**10.235**	**.00072**	**.00035**	**-.04286**
Stddev	.00575	.00044	.00014	.0060	.00019	.00012	.004	.00026	.00031	.00232
%RSD	21.233	49.553	54.514	.12073	2.2797	5.9447	.03541	35.977	88.077	5.4116
#1	.02303	.00058	.00035	4.9467	.00838	.00196	10.233	.00054	.00013	-.04122
#2	.03116	.00120	.00016	4.9382	.00866	.00213	10.238	.00091	.00057	-.04450
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6625.2**	**83434.**	**8271.8**
Stddev	23.7	543.	13.3
%RSD	.35751	.65075	.16138
#1	6608.5	83818.	8281.2
#2	6641.9	83050.	8262.3

Sample Name: CCV-2271054 Acquired: 9/25/2013 18:56:26 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50075**	**.51973**	**.99720**	**.49977**	**.50772**	**.48993**	**.00348**	**5.1043**	**.50417**	**.51062**	**.50030**	**.50386**	**2.5447**
Stddev	.00217	.00002	.00345	.00097	.00366	.00120	.00144	.2023	.00005	.00029	.00008	.00019	.1125
%RSD	.43336	.00400	.34603	.19393	.72150	.24587	41.523	3.9636	.00947	.05754	.01617	.03805	4.4195
#1	.49921	.51971	.99963	.50045	.50513	.48908	.00450	4.9612	.50413	.51041	.50036	.50372	2.4652
#2	.50228	.51974	.99476	.49908	.51031	.49078	.00246	5.2473	.50420	.51083	.50025	.50399	2.6242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.611**	**.99943**	**20.392**	**.50383**	**.51237**	**5.2769**	**.50888**	**1.0119**	**1.0257**	**.01010**	**.97811**	**.99753**	**4.8951**
Stddev	.114	.00213	.057	.00073	.00227	.0949	.00434	.0071	.0030	.00317	.00377	.00077	.0261
%RSD	.22611	.21313	.27930	.14395	.44265	1.7976	.85216	.70387	.29232	31.414	.38588	.07747	.53283
#1	50.530	.99792	20.352	.50332	.51398	5.2098	.51195	1.0170	1.0279	.00785	.98078	.99698	4.8767
#2	50.692	1.0009	20.433	.50434	.51077	5.3440	.50582	1.0069	1.0236	.01234	.97544	.99807	4.9136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.476**	**1.0296**	**.50047**	**-.00151**	**.50306**	**1.0331**	**-.02832**	**.49948**	**.51044**	**.49908**
Stddev	.056	.0006	.00212	.00215	.00086	.0009	.02632	.00140	.00154	.00680
%RSD	.53283	.05495	.42345	142.72	.17187	.08831	92.917	.27941	.30074	1.3633
#1	10.436	1.0292	.49897	-.00303	.50245	1.0337	-.00971	.50047	.50936	.49427
#2	10.515	1.0300	.50197	.00001	.50367	1.0324	-.04693	.49850	.51153	.50389
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6830.2**	**87447.**	**8352.0**
Stddev	19.8	284.	54.8
%RSD	.29038	.32420	.65632
#1	6844.2	87647.	8390.7
#2	6816.2	87247.	8313.2

Sample Name: CCB Acquired: 9/25/2013 18:58:35 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00129**	**.00124**	**.00084**	**.00036**	**.00013**	**.00336**	**.00597**	**-.00013**	**.00010**	**.00000**
Stddev	.00010	.00022	.00278	.00006	.00004	.00002	.00168	.00058	.00000	.00013	.00000
%RSD	37.167	17.380	223.42	7.4048	11.747	14.222	49.906	9.7516	2.5041	133.46	18.100
#1	.00034	.00145	-.00072	.00080	.00039	.00012	.00218	.00556	-.00012	.00001	.00000
#2	.00020	.00113	.00321	.00089	.00033	.00014	.00455	.00638	-.00013	.00019	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.00470**	**.10741**	**-.00194**	**.00433**	**.00002**	**.00054**	**.01187**	**.00025**	**-.00170**	**-.00075**
Stddev	.00037	.00235	.02126	.00012	.00203	.00004	.00008	.00745	.00040	.00216	.00121
%RSD	45.130	50.057	19.793	6.2612	46.806	179.43	15.236	62.758	159.16	126.53	161.19
#1	-.00109	.00304	.09238	-.00185	.00290	-.00001	.00048	.01713	.00054	-.00018	.00011
#2	-.00056	.00636	.12244	-.00202	.00576	.00005	.00060	.00660	-.00003	-.00323	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01155**	F **.01771**	W **-.00555**	**-.00736**	**-.01575**	**.00065**	**.00008**	**-.00217**	**.00007**	**.00328**	**-.01258**
Stddev	.00124	.00302	.00081	.00884	.01891	.00038	.00002	.00009	.00031	.00065	.00127
%RSD	10.743	17.035	14.669	120.05	120.05	59.015	25.434	4.2837	474.00	19.900	10.075
#1	.01243	.01558	-.00613	-.00111	-.00238	.00038	.00010	-.00210	-.00015	.00281	-.01168
#2	.01068	.01985	-.00498	-.01361	-.02912	.00091	.00007	-.00224	.00028	.00374	-.01348
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00024**	**.00125**	**-.00175**
Stddev	.00021	.00021	.00236
%RSD	85.370	16.880	134.97
#1	.00010	.00140	-.00008
#2	.00039	.00110	-.00341
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6889.2**	**89038.**	**8283.6**
Stddev	4.4	481.	39.5
%RSD	.06326	.54003	.47665
#1	6892.2	89378.	8311.5
#2	6886.1	88698.	8255.7

Sample Name: CCVL-2271034 Acquired: 9/25/2013 19:00:54 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01068**	**.11241**	**.01395**	**.09974**	**.01066**	**.00105**	**.11144**	**.20776**	**.00512**	**.01077**	**.01041**	**.01544**	**.10591**
Stddev	.00017	.00068	.00309	.00022	.00031	.00006	.00133	.00428	.00003	.00016	.00020	.00042	.00101
%RSD	1.5552	.60866	22.136	.21700	2.9083	6.0369	1.1937	2.0585	.63522	1.4624	1.8919	2.7072	.95000
#1	.01080	.11192	.01177	.09959	.01044	.00109	.11050	.20474	.00515	.01088	.01055	.01574	.10662
#2	.01056	.11289	.01614	.09989	.01088	.00100	.11238	.21078	.00510	.01066	.01027	.01514	.10520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0571**	**.01242**	**.21548**	**.01047**	**.02040**	**1.0908**	**.04167**	**2.9681**	**.01017**	**.02429**	F **.01748**	**.01322**	**.49269**
Stddev	.0153	.00066	.00376	.00002	.00015	.0118	.00010	.0002	.00128	.00092	.00179	.00002	.00217
%RSD	.50141	5.3063	1.7469	.20269	.75359	1.0852	.23427	.00579	12.608	3.8030	10.266	.17367	.44082
#1	3.0463	.01289	.21282	.01046	.02029	1.0824	.04160	2.9680	.00927	.02494	.01621	.01324	.49422
#2	3.0680	.01196	.21814	.01049	.02051	1.0991	.04174	2.9682	.01108	.02364	.01875	.01321	.49115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0544**	**.10508**	**.01025**	**.01421**	**.00998**	**.01707**	**.05174**	**.01046**	**.02246**	**.01449**
Stddev	.0046	.00098	.00000	.00126	.00030	.00159	.01332	.00028	.00061	.00026
%RSD	.44082	.92982	.02917	8.8917	3.0290	9.3197	25.739	2.6735	2.7358	1.8130
#1	1.0576	.10439	.01025	.01511	.00977	.01595	.04232	.01027	.02202	.01431
#2	1.0511	.10577	.01025	.01332	.01019	.01820	.06115	.01066	.02289	.01468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6790.5**	**88031.**	**8288.7**
Stddev	1.4	297.	48.9
%RSD	.02093	.33698	.59049
#1	6789.5	88241.	8323.3
#2	6791.5	87821.	8254.1

Sample Name: 280-46506-a-19-g Acquired: 9/25/2013 19:03:13 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .33452	155.49	.16559	.08007	W 25.156	.00392	W .07438	F 1058.1	.02834	.06206
Stddev	.00054	.51	.00266	.00089	.057	.00002	.00569	14.7	.00008	.00009
%RSD	.16235	.33083	1.6067	1.1117	.22552	.62049	7.6492	1.3885	.27137	.14318
#1	.33490	155.13	.16747	.08070	25.116	.00390	.07035	1068.5	.02828	.06200
#2	.33413	155.85	.16371	.07944	25.196	.00394	.07840	1047.7	.02839	.06212
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000		.05000	1000.0		
Low Limit	-.01000				-.01000		-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27086	9.1544	W 559.31	16.815	.09864	359.86	5.2158	.06053	5.8452	.54711
Stddev	.00063	.0412	.43	.018	.00152	2.21	.0529	.00073	.0054	.00015
%RSD	.23416	.45039	.07640	.10422	1.5395	.61498	1.0142	1.2079	.09292	.02750
#1	.27131	9.1835	559.61	16.803	.09972	361.42	5.1784	.06105	5.8414	.54700
#2	.27041	9.1252	559.00	16.827	.09757	358.29	5.2532	.06001	5.8490	.54721
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 5.1810	1.1333	6.4387	.03670	F -.01112	2.8446	6.0874	.48298	3.3832	W -.01398
Stddev	.0163	.0073	.0175	.00559	.00363	.0286	.0612	.00326	.0072	.00075
%RSD	.31529	.64641	.27195	15.218	32.660	1.0055	1.0055	.67413	.21166	5.3932
#1	5.1925	1.1385	6.4511	.03275	-.00856	2.8243	6.0441	.48528	3.3781	-.01451
#2	5.1694	1.1281	6.4263	.04065	-.01369	2.8648	6.1307	.48068	3.3882	-.01344
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	2.0000				50.000					45.000
Low Limit	-1.0000				-.01000					-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5437	-.00494	F -.30463	.18447	1.4361	.09053
Stddev	.0091	.00042	.01366	.00074	.0043	.00065
%RSD	.58967	8.4420	4.4834	.40313	.30324	.71960
#1	1.5501	-.00464	-.31428	.18500	1.4392	.09007
#2	1.5372	-.00523	-.29497	.18395	1.4330	.09099
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6503.2	81408.	8823.7
Stddev	3.3	6.	3.2
%RSD	.05142	.00723	.03642
#1	6500.8	81404.	8821.4
#2	6505.5	81412.	8825.9

Sample Name: 280-46506-a-20-d Acquired: 9/25/2013 19:06:27 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .30104	154.83	.17311	.07359	W 24.972	.00355	W .08472	W 910.18	.02279	.06955
Stddev	.00009	.55	.00759	.00027	.450	.00005	.00255	18.70	.00002	.00050
%RSD	.02945	.35719	4.3856	.36614	1.8027	1.4140	3.0059	2.0550	.10664	.71653
#1	.30110	155.22	.16774	.07340	25.290	.00359	.08292	896.96	.02280	.06920
#2	.30098	154.44	.17847	.07379	24.653	.00352	.08653	923.41	.02277	.06990
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000				10.000		.05000	500.00		
Low Limit	-.01000				-.01000		-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27501	W 10.755	W 638.30	16.063	.08984	234.17	5.2202	.06409	4.7779	.64395
Stddev	.00190	.003	3.06	.002	.00205	1.37	.0514	.00006	.0026	.00006
%RSD	.69181	.02823	.47940	.00932	2.2810	.58543	.98466	.08925	.05391	.00885
#1	.27367	10.758	640.46	16.062	.09129	233.20	5.1838	.06405	4.7798	.64391
#2	.27636	10.753	636.13	16.064	.08839	235.14	5.2565	.06413	4.7761	.64400
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 4.7780	.91542	6.2829	.02794	F -.01558	3.0705	6.5708	.55045	3.0954	F -.02708
Stddev	.0115	.00303	.0394	.00323	.00359	.0286	.0612	.00018	.0123	.00052
%RSD	.24129	.33148	.62782	11.569	23.061	.93131	.93131	.03205	.39566	1.9326
#1	4.7698	.91327	6.2551	.02565	-.01812	3.0907	6.6141	.55032	3.1041	-.02745
#2	4.7861	.91756	6.3108	.03022	-.01304	3.0502	6.5275	.55057	3.0868	-.02671
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	2.0000				50.000					50.000
Low Limit	-1.0000				-.01000					-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2872	-.00547	F -.25381	.17533	1.1980	.09018
Stddev	.0015	.00281	.01625	.00018	.0051	.00044
%RSD	.11788	51.435	6.4031	.10152	.42840	.49180
#1	1.2883	-.00746	-.24232	.17546	1.2016	.09050
#2	1.2861	-.00348	-.26530	.17520	1.1944	.08987
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6550.3	82463.	8866.0
Stddev	8.2	163.	99.5
%RSD	.12532	.19774	1.1221
#1	6556.1	82578.	8795.6
#2	6544.5	82347.	8936.3

Sample Name: 280-46506-a-21-d Acquired: 9/25/2013 19:09:37 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .32035	184.76	.20077	.06743	W 42.214	.00260	F .10868	W 740.77	.02581	.08225
Stddev	.00123	.44	.00593	.00100	.380	.00004	.00262	8.01	.00041	.00009
%RSD	.38519	.23740	2.9551	1.4794	.90043	1.6271	2.4082	1.0812	1.5886	.10595
#1	.31948	185.07	.20497	.06673	41.945	.00257	.11053	735.11	.02552	.08231
#2	.32122	184.45	.19658	.06814	42.483	.00263	.10683	746.43	.02610	.08218
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000				10.000		.10000	500.00		
Low Limit	-.01000				-.01000		-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34829	W 19.016	W 928.09	12.584	.06216	308.44	6.6876	.09419	3.8473	.88153
Stddev	.00005	.082	1.17	.038	.00023	.08	.0420	.00039	.0010	.00104
%RSD	.01433	.42902	.12644	.30004	.36747	.02603	.62806	.41445	.02522	.11852
#1	.34826	18.959	927.26	12.611	.06200	308.50	6.7173	.09446	3.8480	.88227
#2	.34833	19.074	928.92	12.558	.06233	308.38	6.6579	.09391	3.8466	.88079
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.7628	1.4977	7.9272	.03111	F -.01661	2.9766	6.3699	.88861	2.4898	F -.06120
Stddev	.0172	.0034	.0259	.00174	.00265	.0149	.0319	.00203	.0011	.00272
%RSD	.45815	.23034	.32723	5.5927	15.939	.50033	.50033	.22895	.04255	4.4384
#1	3.7750	1.5001	7.9456	.03234	-.01474	2.9661	6.3474	.89005	2.4905	-.05928
#2	3.7507	1.4952	7.9089	.02988	-.01848	2.9871	6.3925	.88717	2.4890	-.06312
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	2.0000				50.000					50.000
Low Limit	-1.0000				-.01000					-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2578	W -.01261	F -.25791	.15473	1.5096	.07951
Stddev	.0004	.00238	.01072	.00065	.0030	.00007
%RSD	.03048	18.839	4.1552	.42037	.19804	.09293
#1	1.2580	-.01093	-.25033	.15519	1.5075	.07956
#2	1.2575	-.01429	-.26549	.15427	1.5117	.07946
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6565.1	82859.	8816.3
Stddev	30.9	135.	22.9
%RSD	.47086	.16346	.25936
#1	6586.9	82955.	8800.1
#2	6543.2	82763.	8832.4

Sample Name: 280-46506-a-22-d Acquired: 9/25/2013 19:12:52 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .34471	153.77	.14423	.05677	W 35.960	.00214	W .09611	W 641.61	.01899	.06265
Stddev	.00010	1.25	.00387	.00065	.664	.00004	.00048	4.48	.00026	.00002
%RSD	.03042	.81284	2.6826	1.1421	1.8471	2.0028	.49915	.69856	1.3428	.03667
#1	.34479	154.65	.14697	.05722	36.430	.00211	.09577	644.78	.01917	.06263
#2	.34464	152.88	.14149	.05631	35.490	.00217	.09645	638.44	.01881	.06266
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000				10.000		.05000	500.00		
Low Limit	-.01000				-.01000		-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31942	W 12.883	W 820.11	9.7004	.04916	265.35	5.1241	.08081	3.1200	.69477
Stddev	.00005	.162	8.44	.0980	.00016	.16	.0677	.00030	.0147	.00227
%RSD	.01551	1.2586	1.0293	1.0100	.32434	.06198	1.3214	.37045	.47014	.32656
#1	.31945	12.997	826.08	9.7697	.04905	265.24	5.0762	.08102	3.1304	.69317
#2	.31938	12.768	814.14	9.6311	.04928	265.47	5.1720	.08060	3.1097	.69638
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.9411	1.1034	7.2113	.02665	F -.01531	2.8573	6.1147	.65169	2.3129	F -.05368
Stddev	.0097	.0004	.0007	.00164	.00513	.0124	.0266	.00350	.0203	.00548
%RSD	.32933	.03515	.00955	6.1562	33.492	.43512	.43512	.53739	.87875	10.214
#1	2.9342	1.1037	7.2118	.02781	-.01168	2.8661	6.1335	.64921	2.3273	-.05755
#2	2.9479	1.1031	7.2108	.02549	-.01893	2.8486	6.0959	.65416	2.2986	-.04980
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	2.0000				50.000					50.000
Low Limit	-1.0000				-.01000					-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0539	-.00844	F -.21202	.12579	1.2579	.06427
Stddev	.0010	.00287	.00936	.00033	.0020	.00159
%RSD	.09442	33.993	4.4137	.26590	.15542	2.4780
#1	1.0546	-.01047	-.21864	.12556	1.2593	.06540
#2	1.0532	-.00641	-.20540	.12603	1.2565	.06314
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6519.2	82568.	8802.4
Stddev	29.3	344.	82.4
%RSD	.44917	.41646	.93589
#1	6539.9	82325.	8744.2
#2	6498.5	82812.	8860.7

Sample Name: 280-46506-a-23-d Acquired: 9/25/2013 19:16:09 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.29405**	**122.35**	**.12864**	**.06698**	W **26.672**	**.00336**	**.04148**	RF **1067.6**	**.02111**	**.04630**
Stddev	.00199	.21	.00005	.00022	.060	.00006	.00265	7.7	.00033	.00009
%RSD	.67819	.17434	.03594	.33091	.22610	1.6943	6.3863	.72322	1.5549	.19229
#1	.29264	122.50	.12861	.06682	26.629	.00332	.03961	1073.1	.02134	.04636
#2	.29546	122.20	.12868	.06713	26.714	.00340	.04335	1062.2	.02087	.04623
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000			1000.0		
Low Limit	-.01000				-.01000			-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21374**	**9.1595**	**372.73**	**13.491**	**.07742**	**227.80**	**4.2764**	**.03665**	**4.5818**	**.38937**
Stddev	.00010	.0279	.24	.106	.00094	2.42	.0466	.00028	.0004	.00005
%RSD	.04559	.30411	.06349	.78703	1.2206	1.0613	1.0891	.76633	.00967	.01365
#1	.21368	9.1398	372.90	13.566	.07809	229.51	4.3093	.03685	4.5815	.38933
#2	.21381	9.1792	372.56	13.416	.07675	226.09	4.2435	.03646	4.5821	.38941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.6300**	**.79350**	**6.6476**	**.01793**	W **-.00781**	**3.4070**	**7.2909**	**.41533**	**3.6436**	**-.00216**
Stddev	.0044	.00167	.0115	.00107	.00133	.1105	.2365	.00018	.0052	.00212
%RSD	.09477	.21104	.17306	5.9882	17.058	3.2436	3.2436	.04406	.14137	98.098
#1	4.6269	.79231	6.6395	.01869	-.00687	3.4851	7.4581	.41546	3.6472	-.00066
#2	4.6331	.79468	6.6557	.01717	-.00875	3.3288	7.1237	.41520	3.6400	-.00366
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99646**	**-.00323**	F **-.26147**	**.15798**	**1.0855**	**.07223**
Stddev	.00117	.00158	.01878	.00128	.0001	.00078
%RSD	.11719	48.859	7.1823	.80727	.01387	1.0731
#1	.99729	-.00435	-.27475	.15888	1.0856	.07168
#2	.99564	-.00212	-.24819	.15708	1.0854	.07278
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6703.5**	**84366.**	**9117.9**
Stddev	2.6	641.	53.0
%RSD	.03819	.75998	.58104
#1	6701.7	83912.	9155.4
#2	6705.3	84819.	9080.4

Sample Name: 280-46506-a-24-d Acquired: 9/25/2013 19:19:22 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.20340**	**140.24**	**.14781**	**.06849**	W **24.822**	**.00329**	W **.07466**	W **975.35**	**.02321**	**.06198**
Stddev	.00170	.04	.00025	.00078	.014	.00002	.00102	1.88	.00034	.00043
%RSD	.83728	.02910	.17129	1.1348	.05451	.59349	1.3671	.19237	1.4564	.69181
#1	.20220	140.22	.14763	.06794	24.812	.00328	.07394	974.03	.02297	.06168
#2	.20461	140.27	.14799	.06904	24.832	.00331	.07539	976.68	.02345	.06229
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000				10.000		.05000	500.00		
Low Limit	-.01000				-.01000		-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27462**	**8.4373**	W **585.27**	**14.253**	**.07662**	**206.20**	**5.0821**	**.06442**	**4.3181**	**.53990**
Stddev	.00199	.0173	1.69	.020	.00113	2.38	.0716	.00092	.0032	.00275
%RSD	.72357	.20480	.28848	.13949	1.4778	1.1560	1.4084	1.4228	.07404	.50868
#1	.27321	8.4251	584.07	14.267	.07742	207.89	5.1327	.06377	4.3159	.53796
#2	.27602	8.4495	586.46	14.239	.07582	204.52	5.0315	.06507	4.3204	.54184
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.0703**	**.89519**	**5.7035**	**.03129**	W **-.00989**	**2.9168**	**6.2419**	**.50227**	**3.4012**	W **-.01922**
Stddev	.0211	.00453	.0171	.00095	.00405	.0301	.0644	.00214	.0062	.00460
%RSD	.34808	.50599	.30055	3.0516	40.951	1.0319	1.0319	.42694	.18236	23.942
#1	6.0554	.89199	5.6913	.03062	-.01276	2.9380	6.2874	.50076	3.3968	-.01597
#2	6.0853	.89840	5.7156	.03197	-.00703	2.8955	6.1963	.50379	3.4056	-.02248
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	2.0000				5.0000					45.000
Low Limit	-1.0000				-.00500					-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3243**	**-.00571**	F **-.24820**	**.16272**	**1.0609**	**.08669**
Stddev	.0016	.00241	.02015	.00120	.0007	.00033
%RSD	.11783	42.282	8.1170	.74041	.06555	.37656
#1	1.3232	-.00400	-.26245	.16357	1.0614	.08645
#2	1.3254	-.00741	-.23396	.16186	1.0604	.08692
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6706.8**	**84756.**	**9222.7**
Stddev	5.2	1033.	21.6
%RSD	.07751	1.2183	.23384
#1	6710.4	84026.	9237.9
#2	6703.1	85486.	9207.4

Sample Name: 280-46506-a-25-d Acquired: 9/25/2013 19:22:35 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .36005	162.33	.17595	.05580	W 33.133	.00216	W .09646	W 687.63	.02377	.06550
Stddev	.00089	.46	.00131	.00009	.388	.00002	.00227	15.48	.00020	.00032
%RSD	.24784	.28136	.74298	.16388	1.1716	.76079	2.3497	2.2504	.84466	.48789
#1	.36068	162.65	.17502	.05574	32.859	.00215	.09806	698.58	.02363	.06573
#2	.35942	162.01	.17687	.05587	33.408	.00217	.09486	676.69	.02391	.06528
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000				10.000		.05000	500.00		
Low Limit	-.01000				-.01000		-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31801	W 15.619	W 796.76	9.9047	.04572	259.83	5.4438	.08015	2.9241	.71766
Stddev	.00006	.284	2.81	.0157	.00002	10.22	.0133	.00000	.0007	.00248
%RSD	.01837	1.8208	.35285	.15882	.05155	3.9322	.24429	.00447	.02347	.34546
#1	.31797	15.820	798.75	9.8936	.04574	267.05	5.4532	.08015	2.9246	.71942
#2	.31805	15.418	794.77	9.9159	.04570	252.61	5.4344	.08014	2.9236	.71591
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.2550	4.4679	6.7408	.03244	W -.00862	2.8974	6.2004	.83923	2.6071	F -.05560
Stddev	.0096	.0147	.0246	.00047	.00581	.0116	.0249	.00148	.0089	.00066
%RSD	.29497	.32863	.36449	1.4488	67.352	.40161	.40161	.17636	.34260	1.1809
#1	3.2618	4.4783	6.7582	.03211	-.00452	2.9056	6.2180	.84027	2.6134	-.05513
#2	3.2482	4.4576	6.7235	.03277	-.01273	2.8891	6.1828	.83818	2.6007	-.05606
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	2.0000				5.0000					50.000
Low Limit	-1.0000				-.00500					-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0302	W -.01106	F -.19106	.12039	1.4883	.06425
Stddev	.0024	.00172	.01060	.00049	.0026	.00080
%RSD	.23549	15.530	5.5455	.40289	.17528	1.2481
#1	1.0285	-.01227	-.18357	.12004	1.4902	.06482
#2	1.0319	-.00984	-.19856	.12073	1.4865	.06369
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6493.7	82858.	8825.4
Stddev	9.8	794.	63.7
%RSD	.15019	.95881	.72226
#1	6500.6	82297.	8780.4
#2	6486.8	83420.	8870.5

Sample Name: 280-46506-a-26-d Acquired: 9/25/2013 19:25:52 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.23049**	**114.47**	**.13152**	**.05110**	W **21.040**	**.00293**	**.04786**	F **1252.2**	**.01660**	**.04565**
Stddev	.00121	.11	.00073	.00038	.031	.00002	.00463	25.5	.00020	.00028
%RSD	.52589	.09338	.55767	.73584	.14798	.80939	9.6789	2.0325	1.1907	.61198
#1	.22963	114.55	.13100	.05083	21.062	.00292	.05113	1270.2	.01646	.04585
#2	.23135	114.40	.13203	.05136	21.018	.00295	.04458	1234.2	.01674	.04546
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000			1000.0		
Low Limit	-.01000				-.01000			-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21218**	**6.8690**	**382.80**	**10.246**	**.05379**	**206.18**	**4.0703**	**.03893**	**2.5732**	**.42345**
Stddev	.00053	.0217	1.22	.012	.00204	.45	.0443	.00058	.0018	.00198
%RSD	.25177	.31541	.31828	.12099	3.7909	.22048	1.0886	1.4914	.07035	.46749
#1	.21256	6.8537	383.66	10.255	.05235	206.50	4.1016	.03852	2.5745	.42485
#2	.21180	6.8843	381.94	10.237	.05524	205.86	4.0390	.03934	2.5720	.42205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.9225**	**.87590**	**5.0722**	**.02755**	W **-.00603**	**2.5965**	**5.5564**	**.42484**	**4.4785**	**-.00675**
Stddev	.0182	.00116	.0215	.00534	.00248	.0043	.0091	.00301	.0024	.00072
%RSD	.36994	.13289	.42418	19.368	41.128	.16450	.16450	.70834	.05387	10.634
#1	4.9353	.87672	5.0874	.03132	-.00778	2.5934	5.5500	.42697	4.4802	-.00726
#2	4.9096	.87508	5.0570	.02377	-.00427	2.5995	5.5629	.42271	4.4768	-.00624
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89930**	**-.00101**	F **-.24153**	**.14072**	**1.2647**	**.06734**
Stddev	.00083	.00078	.00166	.00027	.0042	.00008
%RSD	.09254	76.959	.68690	.19148	.33220	.12399
#1	.89871	-.00046	-.24035	.14053	1.2617	.06740
#2	.89988	-.00156	-.24270	.14091	1.2677	.06728
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6634.4**	**83248.**	**9104.5**
Stddev	4.3	259.	107.9
%RSD	.06528	.31120	1.1849
#1	6631.3	83065.	9028.2
#2	6637.4	83431.	9180.8

Sample Name: 280-46506-a-27-d Acquired: 9/25/2013 19:29:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192799 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.16432**	**118.49**	**.15371**	**.05454**	W **21.290**	**.00361**	**.03746**	F **1339.6**	**.01745**	**.04199**
Stddev	.00052	.27	.00073	.00013	.466	.00000	.00451	8.9	.00002	.00011
%RSD	.31677	.22635	.47759	.23108	2.1904	.07368	12.051	.66553	.12330	.25154
#1	.16469	118.68	.15423	.05463	21.620	.00361	.04066	1345.9	.01747	.04206
#2	.16396	118.30	.15320	.05445	20.960	.00361	.03427	1333.3	.01743	.04191
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.10000				10.000			1000.0		
Low Limit	-.01000				-.01000			-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20537**	**7.3187**	**306.33**	**13.012**	**.06454**	**248.17**	**4.2838**	**.03957**	**2.6322**	**.42388**
Stddev	.00011	.0232	1.30	.005	.00223	3.48	.0544	.00008	.0053	.00003
%RSD	.05519	.31654	.42312	.03927	3.4493	1.4039	1.2696	.19199	.19991	.00774
#1	.20545	7.3351	307.25	13.016	.06297	245.71	4.2453	.03952	2.6285	.42391
#2	.20529	7.3023	305.41	13.008	.06612	250.64	4.3222	.03962	2.6359	.42386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.9223**	**.84076**	**4.8534**	**.02285**	F **-.01400**	**3.2382**	**6.9298**	**.36057**	**4.6252**	**.00165**
Stddev	.0075	.00201	.0032	.00187	.00142	.0138	.0295	.00330	.0294	.00279
%RSD	.12683	.23948	.06686	8.1716	10.109	.42522	.42522	.91499	.63553	168.99
#1	5.9276	.83934	4.8557	.02152	-.01501	3.2480	6.9507	.36291	4.6044	-.00032
#2	5.9170	.84218	4.8511	.02417	-.01300	3.2285	6.9090	.35824	4.6459	.00362
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				50.000					
Low Limit	-1.0000				-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96536**	**-.00307**	F **-.27715**	**.16083**	**1.1235**	**.07536**
Stddev	.00545	.00145	.04633	.00045	.0023	.00068
%RSD	.56454	47.381	16.716	.27997	.20574	.90679
#1	.96921	-.00204	-.24439	.16051	1.1219	.07488
#2	.96151	-.00409	-.30991	.16114	1.1252	.07584
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6639.1**	**83003.**	**9109.4**
Stddev	3.0	116.	79.4
%RSD	.04568	.13934	.87175
#1	6641.2	83085.	9053.2
#2	6636.9	82922.	9165.5

Sample Name: CCVH-2271055 Acquired: 9/25/2013 19:32:31 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00450**	**49.258**	**.00300**	**.00191**	**.00105**	**-.00009**	**.99462**	**.05916**	**.00028**	**-.00042**	**-.00070**	**-.00807**	**50.072**
Stddev	.00023	.096	.00285	.00058	.00074	.00007	.00580	.04261	.00019	.00014	.00005	.00052	.648
%RSD	5.1256	.19441	94.774	30.447	69.869	80.041	.58329	72.022	68.831	33.639	6.7030	6.4955	1.2935
#1	-.00467	49.326	.00099	.00150	.00158	-.00015	.99872	.08929	.00041	-.00052	-.00067	-.00769	50.530
#2	-.00434	49.190	.00502	.00232	.00053	-.00004	.99051	.02903	.00014	-.00032	-.00074	-.00844	49.614
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03169**	**.00023**	**-.07978**	**-.00053**	**-.00056**	**249.76**	**.00075**	**.00316**	**-.00017**	**4.8577**	**.00309**	**-.00689**	**-.00188**
Stddev	.03793	.00018	.00035	.00009	.00035	.55	.00030	.00106	.00292	.0275	.00164	.00138	.00084
%RSD	119.67	78.483	.43914	17.750	61.735	.22045	40.683	33.372	1689.4	.56665	53.065	19.985	44.823
#1	.00487	.00010	-.07953	-.00046	-.00032	250.15	.00053	.00391	-.00224	4.8772	.00425	-.00592	-.00128
#2	.05851	.00035	-.08003	-.00059	-.00081	249.37	.00096	.00242	.00190	4.8383	.00193	-.00786	-.00247
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00402**	**.00124**	**.00037**	**4.8191**	**.00826**	**.00296**	**10.067**	**-.00003**	**.00031**	**-.03947**
Stddev	.00180	.00067	.00024	.0184	.00054	.00188	.039	.00015	.00037	.00130
%RSD	44.823	54.227	65.778	.38217	6.5356	63.464	.38265	448.86	120.83	3.3026
#1	-.00274	.00171	.00054	4.8321	.00865	.00163	10.095	-.00014	.00004	-.04039
#2	-.00529	.00076	.00020	4.8061	.00788	.00428	10.040	.00007	.00057	-.03855
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6915.9**	**87656.**	**8693.5**
Stddev	28.9	87.	30.2
%RSD	.41728	.09934	.34697
#1	6895.5	87595.	8672.2
#2	6936.3	87718.	8714.8

Sample Name: CCV-2271054 Acquired: 9/25/2013 19:34:47 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49531**	**.50833**	**.98768**	**.49848**	**.49190**	**.48161**	**.00576**	**4.8868**	**.49921**	**.50271**	**.49551**	**.49984**	**2.4393**
Stddev	.00095	.00072	.00043	.00189	.00301	.00188	.00234	.0229	.00037	.00074	.00071	.00010	.0020
%RSD	.19223	.14235	.04303	.37899	.61234	.39078	40.709	.46788	.07472	.14807	.14424	.01989	.08104
#1	.49599	.50884	.98738	.49714	.48977	.48028	.00410	4.8707	.49895	.50323	.49601	.49977	2.4407
#2	.49464	.50782	.98798	.49982	.49403	.48295	.00741	4.9030	.49948	.50218	.49500	.49991	2.4379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.285**	**.96808**	**19.810**	**.49476**	**.50543**	**5.1047**	**.50391**	**.99414**	**1.0139**	**.01087**	**.96282**	**.98381**	**4.8315**
Stddev	.179	.00779	.043	.00119	.00013	.0303	.00083	.00092	.0006	.00299	.00106	.00590	.0263
%RSD	.36234	.80518	.21732	.23977	.02599	.59435	.16454	.09225	.06399	27.540	.10966	.59949	.54463
#1	49.159	.96257	19.780	.49392	.50552	5.1262	.50332	.99349	1.0143	.01299	.96356	.97964	4.8129
#2	49.412	.97359	19.841	.49559	.50533	5.0833	.50450	.99479	1.0134	.00875	.96207	.98798	4.8501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.339**	**1.0056**	**.48715**	**-.00202**	**.49463**	**1.0148**	**-.02370**	**.49184**	**.49824**	**.48846**
Stddev	.056	.0003	.00175	.00099	.00193	.0008	.02480	.00188	.00243	.00083
%RSD	.54463	.02791	.35947	49.271	.39109	.08126	104.64	.38123	.48672	.16938
#1	10.300	1.0058	.48591	-.00272	.49327	1.0142	-.00616	.49051	.49652	.48787
#2	10.379	1.0054	.48839	-.00131	.49600	1.0153	-.04124	.49316	.49995	.48904
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6956.2**	**89264.**	**8621.8**
Stddev	1.5	657.	28.6
%RSD	.02101	.73559	.33192
#1	6955.2	89728.	8642.0
#2	6957.2	88799.	8601.5

Sample Name: CCB Acquired: 9/25/2013 19:36:55 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00112**	**.00211**	**.00095**	**.00021**	**.00018**	**.00279**	**.00685**	**-.00012**	**.00022**	**.00013**
Stddev	.00033	.00039	.00128	.00013	.00010	.00001	.00032	.00088	.00009	.00045	.00001
%RSD	44.334	35.298	60.507	14.169	47.423	4.6499	11.365	12.902	76.212	204.57	11.061
#1	.00099	.00139	.00302	.00104	.00014	.00017	.00301	.00747	-.00018	.00053	.00014
#2	.00052	.00084	.00121	.00085	.00028	.00018	.00256	.00622	-.00005	-.00010	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**.00638**	**.09593**	**.00242**	**.00616**	**.00006**	**.00041**	**.03366**	**.00008**	**-.00193**	**-.00010**
Stddev	.00000	.00023	.06889	.00288	.00108	.00004	.00015	.00542	.00016	.00233	.00101
%RSD	.24902	3.6081	71.810	119.14	17.461	72.618	35.492	16.089	198.50	120.90	984.01
#1	-.00073	.00654	.04722	.00446	.00692	.00009	.00031	.03749	-.00003	-.00358	.00061
#2	-.00073	.00622	.14464	.00038	.00540	.00003	.00051	.02983	.00020	-.00028	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01387**	F **.01822**	W **-.00727**	**.00202**	**.00432**	**.00125**	**.00013**	**.00004**	**-.00028**	**.00079**	**-.01971**
Stddev	.00062	.00345	.00646	.01236	.02645	.00001	.00016	.00086	.00008	.00061	.02867
%RSD	4.4760	18.921	88.921	612.21	612.21	.48831	116.61	2043.3	30.329	77.587	145.46
#1	.01343	.01578	-.01183	.01076	.02302	.00125	.00024	.00065	-.00033	.00123	-.03998
#2	.01430	.02066	-.00270	-.00672	-.01438	.00125	.00002	-.00057	-.00022	.00036	.00056
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00047**	**.00121**	**-.00154**
Stddev	.00107	.00018	.00081
%RSD	227.64	15.281	52.412
#1	.00123	.00108	-.00211
#2	-.00029	.00134	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.3**	**89998.**	**8421.4**
Stddev	15.5	432.	29.0
%RSD	.22367	.48027	.34485
#1	6908.4	89692.	8400.9
#2	6930.3	90303.	8442.0

Sample Name: CCVL-2271034 Acquired: 9/25/2013 19:39:12 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01016**	**.10763**	**.01503**	**.09874**	**.01039**	**.00094**	**.11230**	**.20855**	**.00487**	**.01073**	**.01045**	**.01474**	**.10309**
Stddev	.00076	.00033	.00026	.00041	.00001	.00002	.00163	.00333	.00003	.00003	.00004	.00005	.00260
%RSD	7.4329	.30915	1.7309	.41742	.08021	2.2409	1.4479	1.5974	.53703	.29993	.35751	.35494	2.5221
#1	.01069	.10739	.01485	.09845	.01038	.00095	.11345	.20619	.00489	.01071	.01042	.01477	.10493
#2	.00963	.10786	.01522	.09903	.01039	.00092	.11115	.21090	.00486	.01076	.01047	.01470	.10125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9943**	**.01183**	**.20967**	**.01036**	**.02037**	**1.0860**	**.04182**	**2.9430**	**.00898**	**.02688**	F **.01808**	F **.00804**	**.48968**
Stddev	.0085	.00186	.00023	.00006	.00020	.0001	.00018	.0015	.00027	.00213	.00100	.00271	.00092
%RSD	.28244	15.742	.10909	.62077	.96775	.00475	.43824	.05185	3.0561	7.9110	5.5106	33.688	.18732
#1	2.9883	.01315	.20951	.01040	.02023	1.0859	.04169	2.9420	.00879	.02537	.01738	.00613	.49033
#2	3.0003	.01052	.20983	.01031	.02051	1.0860	.04195	2.9441	.00918	.02838	.01879	.00996	.48903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0479**	**.10458**	**.01008**	**.01448**	**.00979**	**.01744**	F **.03465**	**.01054**	**.02207**	**.01362**
Stddev	.0020	.00075	.00006	.00025	.00005	.00058	.01250	.00045	.00008	.00151
%RSD	.18732	.71377	.62913	1.7503	.51598	3.3352	36.060	4.2218	.36682	11.116
#1	1.0493	.10405	.01004	.01466	.00982	.01785	.04349	.01023	.02213	.01255
#2	1.0465	.10511	.01013	.01430	.00975	.01703	.02582	.01086	.02201	.01469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6839.6**	**87832.**	**8355.9**
Stddev	19.3	584.	55.4
%RSD	.28208	.66466	.66308
#1	6825.9	87419.	8395.1
#2	6853.2	88245.	8316.7

Sample Name: MB 280-192706/1-A Acquired: 9/25/2013 19:41:32 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00020**	**.00249**	**.00022**	**-.00001**	**.00000**	**.00590**	**.01311**	**-.00017**	**.00027**
Stddev	.00014	.00001	.00274	.00009	.00019	.00003	.00021	.00005	.00017	.00005
%RSD	46.249	6.3968	109.98	42.999	2566.7	3264.4	3.4936	.38388	96.669	17.610
#1	.00039	.00021	.00443	.00015	.00013	-.00002	.00576	.01315	-.00005	.00030
#2	.00020	.00019	.00055	.00028	-.00014	.00002	.00605	.01308	-.00029	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00061**	**.00053**	**.06329**	**.00062**	**.00665**	**-.00004**	**-.00024**	**.13801**	**.00006**
Stddev	.00003	.00018	.00127	.01621	.00303	.00053	.00001	.00029	.00811	.00037
%RSD	35.299	29.407	237.76	25.615	485.63	8.0258	18.118	121.57	5.8731	646.56
#1	.00006	-.00048	.00143	.07475	.00276	.00628	-.00003	-.00044	.13228	.00031
#2	.00009	-.00073	-.00036	.05183	-.00152	.00703	-.00004	-.00003	.14374	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**-.00151**	W **.06868**	**-.00132**	**-.00592**	**.00189**	**.00405**	**-.00004**	**-.00010**	**-.00008**
Stddev	.00038	.00019	.00251	.00177	.00034	.00483	.01033	.00014	.00000	.00115
%RSD	63.321	12.343	3.6533	133.98	5.7725	255.13	255.13	400.25	1.6037	1373.4
#1	-.00033	-.00138	.07046	-.00007	-.00616	-.00152	-.00325	.00007	-.00010	.00073
#2	-.00086	-.00164	.06691	-.00258	-.00568	.00530	.01135	-.00014	-.00010	-.00090
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00216**	**-.03455**	**-.00030**	**.00037**	**.00065**
Stddev	.00022	.00020	.02117	.00027	.00033	.00040
%RSD	1429.1	9.3018	61.289	91.555	90.106	62.116
#1	-.00017	.00202	-.04952	-.00010	.00013	.00036
#2	.00014	.00231	-.01957	-.00049	.00060	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7301.3**	**95462.**	**8896.6**
Stddev	22.3	737.	30.3
%RSD	.30549	.77235	.34097
#1	7317.1	95983.	8918.0
#2	7285.5	94940.	8875.1

Sample Name: 46724-A-1-B Acquired: 9/25/2013 19:43:50 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00146**	**.00279**	**.07673**	**.01132**	**-.00004**	**.00541**	**25.837**	**-.00031**	**.00014**
Stddev	.00029	.00004	.00164	.00054	.00015	.00004	.00072	.078	.00008	.00035
%RSD	80.218	2.9303	58.827	.70512	1.3303	100.19	13.334	.30316	26.516	252.24
#1	.00056	.00143	.00395	.07711	.01121	-.00001	.00592	25.892	-.00025	.00039
#2	.00015	.00149	.00163	.07635	.01142	-.00006	.00490	25.781	-.00037	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00349**	**.00477**	**1.0823**	**.00279**	**4.1997**	**.00351**	**.03157**	**53.611**	**.00146**
Stddev	.00026	.00258	.00162	.0649	.00288	.0584	.00127	.00028	.025	.00005
%RSD	67.170	73.916	33.917	5.9923	103.24	1.3901	36.064	.87410	.04743	3.1024
#1	.00020	.00531	.00591	1.0364	.00482	4.2410	.00441	.03138	53.593	.00149
#2	.00057	.00166	.00362	1.1281	.00075	4.1584	.00262	.03177	53.629	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01025**	**-.00117**	**41.292**	**.00042**	W **-.00685**	**.91505**	**1.9582**	**-.00017**	**.17296**	**-.00045**
Stddev	.00233	.00180	.077	.00176	.00461	.00533	.0114	.00100	.00068	.00113
%RSD	22.696	153.02	.18765	413.49	67.382	.58198	.58198	574.96	.39310	249.07
#1	.00861	-.00244	41.238	.00167	-.01011	.91881	1.9663	-.00088	.17344	.00034
#2	.01190	.00010	41.347	-.00082	-.00358	.91128	1.9501	.00053	.17248	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00203**	**-.02665**	**.00100**	**.00257**	**.00076**
Stddev	.00033	.00125	.00675	.00022	.00055	.00071
%RSD	58.978	61.453	25.327	22.320	21.478	93.381
#1	.00079	.00292	-.02187	.00116	.00296	.00026
#2	.00033	.00115	-.03142	.00084	.00218	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7161.5**	**91352.**	**8844.2**
Stddev	4.6	243.	11.2
%RSD	.06434	.26640	.12632
#1	7164.8	91525.	8852.1
#2	7158.3	91180.	8836.3

Sample Name: 46973-A-3-A Acquired: 9/25/2013 19:46:11 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.01840**	**.00154**	**.01074**	**.01499**	**.00003**	**.00307**	**7.0988**	**-.00031**	**.00036**
Stddev	.00071	.00002	.00277	.00061	.00000	.00006	.00075	.0247	.00005	.00011
%RSD	114.59	.08893	180.20	5.6888	.02100	216.45	24.383	.34799	14.975	31.515
#1	.00112	.01841	.00350	.01117	.01499	-.00001	.00254	7.1163	-.00034	.00045
#2	.00012	.01839	-.00042	.01031	.01498	.00007	.00360	7.0813	-.00027	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00032**	**.07578**	**1.2732**	**.00037**	**1.5308**	**.00119**	**.00129**	**.97332**	**.00082**
Stddev	.00006	.00003	.00058	.0513	.00212	.0014	.00003	.00002	.02748	.00001
%RSD	36.308	9.0753	.76123	4.0287	573.69	.08995	2.1548	1.5801	2.8230	.87219
#1	.00012	.00034	.07619	1.3094	.00187	1.5298	.00121	.00128	.99275	.00083
#2	.00021	.00030	.07537	1.2369	-.00113	1.5318	.00117	.00131	.95389	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01652**	**-.00114**	**1.6361**	**-.00223**	W **-.00672**	**.77652**	**1.6617**	**.00010**	**.09345**	**-.00056**
Stddev	.00044	.00147	.0070	.00170	.00286	.01871	.0400	.00043	.00027	.00037
%RSD	2.6479	129.13	.42926	76.011	42.565	2.4097	2.4097	436.25	.29021	66.183
#1	.01621	-.00010	1.6311	-.00343	-.00874	.76329	1.6334	-.00021	.09364	-.00030
#2	.01683	-.00218	1.6410	-.00103	-.00470	.78975	1.6901	.00041	.09326	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00546**	**.00270**	**-.01456**	**-.00004**	**.00191**	**.00037**
Stddev	.00015	.00167	.00545	.00019	.00030	.00142
%RSD	2.7487	61.709	37.412	490.01	15.781	381.44
#1	.00535	.00152	-.01071	-.00017	.00169	.00138
#2	.00557	.00388	-.01841	.00009	.00212	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7249.3**	**94633.**	**8883.3**
Stddev	19.4	400.	14.4
%RSD	.26739	.42305	.16158
#1	7263.1	94916.	8873.2
#2	7235.6	94349.	8893.5

Sample Name: 46973-A-4-A Acquired: 9/25/2013 19:48:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.19899**	**.00010**	**.00821**	**.00568**	**-.00004**	**.00327**	**3.8424**	**-.00024**	**.00044**
Stddev	.00007	.00140	.00223	.00084	.00018	.00003	.00341	.0127	.00011	.00010
%RSD	7.3373	.70323	2274.3	10.226	3.1828	73.191	104.49	.32954	46.965	22.379
#1	.00091	.19998	.00168	.00880	.00581	-.00002	.00085	3.8335	-.00032	.00052
#2	.00101	.19800	-.00148	.00762	.00555	-.00006	.00568	3.8514	-.00016	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00016**	**.23089**	**.21322**	**.00337**	**.94002**	**.00150**	**.00024**	**1.0514**	**.00094**
Stddev	.00005	.00005	.00198	.03625	.00312	.00234	.00005	.00011	.0163	.00002
%RSD	14.470	30.284	.85861	17.001	92.513	.24911	3.0043	47.597	1.5503	2.3536
#1	.00029	.00019	.23229	.18759	.00558	.93836	.00147	.00032	1.0399	.00095
#2	.00035	.00012	.22948	.23886	.00117	.94168	.00154	.00016	1.0629	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01465**	**.00004**	**.31371**	**.00004**	**-.00443**	**1.2588**	**2.6939**	**.00015**	**.03229**	**-.00066**
Stddev	.00203	.00032	.00005	.00106	.00489	.0136	.0291	.00018	.00005	.00115
%RSD	13.883	871.57	.01444	2869.4	110.48	1.0806	1.0806	119.89	.16195	175.97
#1	.01609	.00027	.31368	.00079	-.00097	1.2684	2.7145	.00028	.03226	-.00147
#2	.01322	-.00019	.31374	-.00071	-.00789	1.2492	2.6733	.00002	.03233	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00926**	**.00173**	**-.03806**	**.00070**	**.00201**	**.00197**
Stddev	.00016	.00000	.02304	.00001	.00054	.00090
%RSD	1.6908	.06297	60.550	1.9754	26.906	45.692
#1	.00915	.00173	-.05435	.00069	.00240	.00261
#2	.00937	.00173	-.02176	.00071	.00163	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7346.7**	**95171.**	**9036.4**
Stddev	4.0	130.	66.1
%RSD	.05438	.13670	.73164
#1	7343.9	95263.	9083.1
#2	7349.5	95079.	8989.6

Sample Name: 46952-B-1-A Acquired: 9/25/2013 19:50:56 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.03345**	**-.00003**	**.00212**	**.00923**	**.00000**	**.00446**	**5.5002**	**-.00040**	**.00005**
Stddev	.00027	.00009	.00127	.00043	.00039	.0001	.00187	.0102	.00027	.00018
%RSD	99.553	.26350	4952.8	20.373	4.2261	2402.2	41.892	.18608	68.074	389.84
#1	.00008	.03351	.00087	.00243	.00895	.00005	.00314	5.4929	-.00059	.00017
#2	.00047	.03339	-.00093	.00182	.00951	-.00006	.00578	5.5074	-.00021	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00061**	**.13340**	**.17265**	**.00284**	**2.1321**	**.00072**	**-.00005**	**2.2620**	**.00021**
Stddev	.00021	.00014	.00061	.02022	.00052	.0044	.00004	.00039	.0136	.00001
%RSD	105.13	21.969	.45946	11.712	18.137	.20703	5.5940	801.11	.60005	6.8525
#1	.00005	.00071	.13383	.15835	.00248	2.1290	.00075	.00022	2.2524	.00022
#2	.00035	.00052	.13297	.18695	.00321	2.1352	.00069	-.00032	2.2716	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00354**	**.00035**	**1.1055**	**-.00064**	W **-.00526**	**.51250**	**1.0967**	**.00010**	**.05488**	**.00027**
Stddev	.00257	.00082	.0042	.00045	.00059	.00844	.0181	.00047	.00027	.00017
%RSD	72.697	232.38	.37985	70.045	11.179	1.6472	1.6472	460.56	.48400	62.093
#1	.00172	.00093	1.1026	-.00095	-.00568	.50653	1.0840	-.00023	.05469	.00015
#2	.00536	-.00023	1.1085	-.00032	-.00485	.51847	1.1095	.00044	.05507	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01538**	**.00239**	**-.02309**	**.00050**	**.00537**	**.00042**
Stddev	.00054	.00104	.01246	.00009	.00006	.00026
%RSD	3.5105	43.667	53.931	18.722	1.1238	60.712
#1	.01499	.00165	-.01429	.00056	.00533	.00024
#2	.01576	.00312	-.03190	.00043	.00541	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7311.0**	**95089.**	**8994.7**
Stddev	7.2	93.	33.7
%RSD	.09912	.09754	.37424
#1	7305.8	95023.	9018.5
#2	7316.1	95155.	8970.9

Sample Name: 46952-B-2-A Acquired: 9/25/2013 19:53:20 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00355**	**.00079**	**.00156**	**.01414**	**-.00001**	**.00187**	**14.816**	**-.00024**	**.00009**
Stddev	.00021	.00001	.00164	.00016	.00036	.00012	.00469	.046	.00011	.00006
%RSD	208.95	.39882	206.86	9.9699	2.5632	1044.7	250.81	.31018	43.922	69.771
#1	-.00005	.00356	.00195	.00167	.01388	-.00010	.00519	14.783	-.00017	.00013
#2	.00025	.00354	-.00037	.00145	.01439	.00008	-.00145	14.848	-.00032	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05204**	**.00130**	**.00081**	**.18070**	**.00290**	**.67521**	**.00001**	**.00483**	**7.1500**	**.00032**
Stddev	.00027	.00020	.00189	.04041	.00218	.00545	.00007	.00025	.0238	.00027
%RSD	.51032	15.166	232.02	22.362	75.170	.80650	831.11	5.2110	.33332	83.633
#1	.05223	.00116	.00215	.20927	.00443	.67136	.00005	.00501	7.1331	.00051
#2	.05185	.00144	-.00052	.15212	.00136	.67906	-.00004	.00465	7.1668	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**-.00046**	**13.740**	**.00010**	W **-.00680**	**.64842**	**1.3876**	**.00047**	**.10198**	**-.00205**
Stddev	.00026	.00003	.059	.00071	.00005	.01296	.0277	.00001	.00021	.00128
%RSD	9.4551	5.8522	.42878	742.97	.66238	1.9986	1.9986	2.7941	.20890	62.349
#1	.00289	-.00048	13.698	-.00041	-.00683	.63926	1.3680	.00048	.10213	-.00296
#2	.00253	-.00044	13.782	.00060	-.00677	.65759	1.4072	.00046	.10182	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00256**	**-.01127**	**.00027**	**.00132**	**.00199**
Stddev	.00033	.00009	.03585	.00036	.00000	.00068
%RSD	354.32	3.5759	318.11	132.39	.37569	34.346
#1	.00014	.00262	.01408	.00053	.00131	.00248
#2	-.00033	.00249	-.03662	.00002	.00132	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7227.2**	**93956.**	**9020.4**
Stddev	18.1	199.	112.2
%RSD	.25086	.21227	1.2443
#1	7240.0	94097.	9099.8
#2	7214.4	93814.	8941.1

Sample Name: 46952-B-7-A Acquired: 9/25/2013 19:55:40 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00946**	**.00273**	**.01742**	**.00724**	**.00001**	**.00398**	**5.4330**	**-.00038**	**.00026**
Stddev	.00023	.00008	.00186	.00042	.00020	.00002	.00118	.0008	.00008	.00010
%RSD	36.588	.83831	68.283	2.4118	2.7637	238.16	29.566	.01379	19.897	39.475
#1	.00080	.00941	.00404	.01772	.00709	-.00001	.00314	5.4325	-.00033	.00019
#2	.00047	.00952	.00141	.01712	.00738	.00003	.00481	5.4335	-.00043	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**-.00030**	**.01017**	**.15244**	**.00078**	**.74521**	**.00016**	**.00050**	**6.3101**	**.00035**
Stddev	.00003	.00015	.00162	.05607	.00465	.00438	.00009	.00002	.0088	.00001
%RSD	1.6298	50.514	15.905	36.780	597.33	.58728	54.864	3.9988	.13932	2.1765
#1	.00169	-.00020	.00903	.19208	.00407	.74831	.00010	.00048	6.3164	.00034
#2	.00173	-.00041	.01132	.11279	-.00251	.74212	.00022	.00051	6.3039	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**-.00066**	**3.3201**	**-.00071**	W **-.00645**	**.66874**	**1.4311**	**.00000**	**.01472**	**-.00044**
Stddev	.00033	.00095	.0109	.00008	.00098	.02612	.0559	.00009	.00011	.00232
%RSD	13.769	143.74	.32758	11.599	15.207	3.9054	3.9054	2991.7	.77745	531.96
#1	.00214	-.00134	3.3124	-.00066	-.00715	.68721	1.4706	.00006	.01464	-.00208
#2	.00260	.00001	3.3278	-.00077	-.00576	.65028	1.3916	-.00006	.01480	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00285**	**-.01650**	**.00011**	**.00220**	**-.00089**
Stddev	.00006	.00011	.05224	.00021	.00011	.00085
%RSD	5.3526	3.8974	316.65	186.36	4.9509	95.275
#1	.00119	.00277	.02044	-.00004	.00228	-.00029
#2	.00110	.00293	-.05344	.00026	.00212	-.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7369.0**	**95570.**	**8906.4**
Stddev	16.0	412.	49.6
%RSD	.21696	.43090	.55673
#1	7380.3	95278.	8941.4
#2	7357.7	95861.	8871.3

Sample Name: 46952-B-7-ASD@5 Acquired: 9/25/2013 19:58:02 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192706 SAR SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.01818	.00171	.00463	.00154	.00003	.00136	1.1874	-.00007	.00019
Stddev	.00041	.00014	.00197	.00049	.00030	.00006	.00066	.0004	.00004	.00008
%RSD	109.27	.76875	115.37	10.675	19.388	211.67	48.366	.03120	48.477	42.435
#1	.00066	.01808	.00031	.00498	.00132	.00007	.00183	1.1871	-.00010	.00013
#2	.00008	.01828	.00310	.00428	.00175	-.00001	.00090	1.1876	-.00005	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	-.00087	.02326	.04919	.00086	.15650	.00014	.00023	1.3617	.00015
Stddev	.00020	.00017	.00233	.02129	.00231	.00084	.00003	.00023	.0286	.00017
%RSD	67.043	19.388	10.011	43.289	267.95	.53855	17.630	97.789	2.1039	111.86
#1	.00044	-.00075	.02162	.06425	-.00077	.15590	.00016	.00040	1.3415	.00027
#2	.00016	-.00098	.02491	.03413	.00250	.15709	.00013	.00007	1.3820	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	.00016	.62980	.00201	-.00327	.14050	.30067	.00033	.00309	.00134
Stddev	.00208	.00014	.00526	.00109	.00256	.00719	.01539	.00017	.00017	.00205
%RSD	472.63	90.053	.83448	54.152	78.278	5.1181	5.1181	52.650	5.5959	152.89
#1	-.00191	.00006	.62609	.00124	-.00508	.14558	.31155	.00021	.00297	.00279
#2	.00103	.00026	.63352	.00278	-.00146	.13541	.28979	.00045	.00322	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	.00061	-.00473	.00015	.00601	-.00049
Stddev	.00008	.00070	.03083	.00004	.00005	.00088
%RSD	54.465	114.10	652.28	30.810	.84602	180.29
#1	-.00020	.00012	-.02653	.00011	.00605	-.00112
#2	-.00009	.00110	.01707	.00018	.00597	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6997.2	90509.	8597.0
Stddev	20.5	115.	48.4
%RSD	.29250	.12683	.56265
#1	7011.7	90591.	8631.2
#2	6982.7	90428.	8562.8

Sample Name: CCVH-2271055 Acquired: 9/25/2013 20:00:24 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00418**	**49.186**	**.00330**	**.00162**	**.00012**	**.00000**	**1.0008**	**.01176**	**.00060**	**-.00049**	**-.00075**	**-.00827**	**49.888**
Stddev	.00063	.001	.00025	.00024	.00006	.0000	.0001	.00272	.00025	.00007	.00002	.00032	.177
%RSD	15.176	.00116	7.6464	14.801	51.023	5377.5	.00862	23.137	41.748	14.068	2.6974	3.8689	.35449
#1	-.00373	49.187	.00348	.00145	.00008	.00001	1.0008	.01368	.00077	-.00054	-.00073	-.00805	50.013
#2	-.00463	49.186	.00312	.00179	.00017	-.00001	1.0007	.00984	.00042	-.00044	-.00076	-.00850	49.763
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04194**	**.00063**	**-.08036**	**-.00060**	**-.00051**	**250.95**	**.00077**	**.00383**	**-.00017**	**4.8828**	**.00092**	**-.00450**	**-.00154**
Stddev	.06068	.00137	.00077	.00000	.00005	.29	.00004	.00048	.00134	.0076	.00022	.00285	.01699
%RSD	144.66	215.68	.96029	.17570	9.1965	.11696	4.9975	12.440	811.09	.15509	23.794	63.217	1103.8
#1	-.00096	.00160	-.07981	-.00060	-.00054	250.75	.00074	.00349	-.00111	4.8774	.00077	-.00652	-.01355
#2	.08485	-.00033	-.08090	-.00060	-.00047	251.16	.00079	.00416	.00078	4.8881	.00108	-.00249	.01048
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00329**	**.00216**	**.00028**	**4.8250**	**.00810**	**.00172**	**10.163**	**.00005**	**.00065**	**-.03959**
Stddev	.03636	.00015	.00009	.0011	.00002	.00088	.019	.00004	.00025	.00213
%RSD	1103.8	6.7653	30.764	.02236	.23963	51.065	.19047	83.784	37.863	5.3757
#1	-.02901	.00205	.00022	4.8258	.00812	.00234	10.149	.00002	.00082	-.04109
#2	.02242	.00226	.00034	4.8243	.00809	.00110	10.177	.00008	.00047	-.03808
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.3**	**87660.**	**8746.5**
Stddev	6.6	387.	17.8
%RSD	.09639	.44102	.20380
#1	6867.6	87934.	8759.1
#2	6876.9	87387.	8733.9

Sample Name: CCV-2271054 Acquired: 9/25/2013 20:02:43 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49519**	**.50961**	**.98226**	**.49577**	**.49653**	**.48395**	**.00632**	**4.8930**	**.50008**	**.50194**	**.49353**	**.50208**	**2.4270**
Stddev	.00008	.00069	.01017	.00106	.00025	.00127	.00573	.0131	.00051	.00036	.00058	.00068	.0113
%RSD	.01690	.13617	1.0356	.21470	.04999	.26149	90.763	.26758	.10178	.07197	.11804	.13457	.46713
#1	.49525	.51010	.97507	.49502	.49636	.48485	.00226	4.9022	.49972	.50169	.49311	.50256	2.4350
#2	.49513	.50912	.98945	.49652	.49671	.48306	.01037	4.8837	.50044	.50220	.49394	.50160	2.4190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.697**	**.98271**	**19.909**	**.49488**	**.50362**	**5.1214**	**.49814**	**.99740**	**1.0064**	**.00499**	**.97039**	**.98437**	**4.8353**
Stddev	.021	.00260	.043	.00070	.00154	.0337	.00328	.00040	.0017	.00218	.00352	.00175	.0330
%RSD	.04302	.26481	.21627	.14133	.30526	.65866	.65784	.04037	.17332	43.595	.36257	.17790	.68208
#1	49.712	.98455	19.940	.49537	.50253	5.1452	.49583	.99768	1.0052	.00345	.96790	.98313	4.8586
#2	49.682	.98087	19.879	.49438	.50471	5.0975	.50046	.99711	1.0077	.00653	.97288	.98561	4.8120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.348**	**1.0046**	**.49158**	**-.00324**	**.49635**	**1.0088**	**-.02214**	**.49322**	**.49888**	**.49583**
Stddev	.071	.0046	.00107	.00133	.00060	.0018	.00703	.00153	.00029	.00399
%RSD	.68208	.46122	.21705	40.849	.12071	.18139	31.766	.31083	.05744	.80498
#1	10.397	1.0013	.49233	-.00231	.49593	1.0075	-.01717	.49431	.49867	.49866
#2	10.298	1.0079	.49082	-.00418	.49677	1.0101	-.02712	.49214	.49908	.49301
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6995.9**	**90152.**	**8668.0**
Stddev	28.0	126.	28.7
%RSD	.40000	.13946	.33133
#1	7015.7	90241.	8688.3
#2	6976.1	90063.	8647.7

Sample Name: CCB Acquired: 9/25/2013 20:04:51 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00125**	**-.00059**	**.00014**	**.00027**	**.00019**	**.00116**	**-.00252**	**-.00008**	**.00016**	**.00000**
Stddev	.00067	.00034	.00339	.00044	.00007	.00006	.00001	.00218	.00004	.00010	.00004
%RSD	161.06	27.451	576.76	308.02	25.272	31.619	.70553	86.481	50.381	66.775	1765.2
#1	-.00006	.00101	.00181	.00045	.00031	.00023	.00116	-.00098	-.00005	.00023	.00003
#2	.00089	.00149	-.00299	-.00017	.00022	.00015	.00117	-.00406	-.00011	.00008	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.00196**	**.08749**	**.00087**	**.00438**	**.00004**	**.00058**	**.03158**	**.00035**	**-.00088**	**-.00045**
Stddev	.00008	.00013	.01884	.00027	.00747	.00008	.00029	.02563	.00003	.00089	.00096
%RSD	10.046	6.8832	21.531	30.770	170.39	205.03	49.460	81.151	8.6824	100.47	212.26
#1	-.00072	.00206	.10081	.00068	.00967	.00010	.00079	.04971	.00033	-.00151	-.00113
#2	-.00083	.00187	.07417	.00106	-.00090	-.00002	.00038	.01346	.00037	-.00026	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00369**	**F .01714**	**W -.00601**	**.00578**	**.01237**	**.00075**	**.00012**	**.00029**	**-.00016**	**.00091**	**-.01639**
Stddev	.00129	.00270	.00409	.01355	.02901	.00072	.00005	.00211	.00018	.00010	.05021
%RSD	34.938	15.764	68.061	234.45	234.45	96.514	46.967	724.64	112.90	11.268	306.40
#1	.00460	.01523	-.00312	-.00380	-.00814	.00024	.00015	-.00120	-.00003	.00098	.01912
#2	.00278	.01905	-.00891	.01537	.03288	.00126	.00008	.00178	-.00029	.00084	-.05189
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00036**	**.00148**	**.00124**
Stddev	.00006	.00016	.00027
%RSD	18.147	10.600	21.691
#1	.00040	.00159	.00143
#2	.00031	.00137	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7001.4**	**91221.**	**8629.6**
Stddev	12.4	51.	97.2
%RSD	.17760	.05591	1.1259
#1	7010.2	91185.	8698.3
#2	6992.6	91257.	8560.9

Sample Name: CCVL2271034 Acquired: 9/25/2013 20:07:10 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01057**	**.10712**	**.01731**	**.09787**	**.00995**	**.00094**	**.10976**	**.20027**	**.00508**	**.01069**	**.01049**	**.01515**	**.10180**
Stddev	.00006	.00020	.00268	.00070	.00033	.00003	.00133	.00101	.00031	.00013	.00007	.00009	.00281
%RSD	.52278	.18677	15.479	.71150	3.3607	3.1244	1.2121	.50223	6.1336	1.2408	.62811	.59139	2.7631
#1	.01053	.10726	.01542	.09738	.01019	.00096	.11070	.20099	.00530	.01078	.01044	.01509	.09981
#2	.01061	.10698	.01921	.09836	.00972	.00092	.10882	.19956	.00486	.01059	.01054	.01521	.10379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0818**	**.01140**	**.20960**	**.01027**	**.02002**	**1.0898**	**.04119**	**2.9307**	**.00922**	**.01894**	F **.01947**	F **.00666**	**.48435**
Stddev	.0511	.00342	.00455	.00007	.00013	.0187	.00004	.0034	.00109	.00010	.00212	.00286	.01799
%RSD	1.6577	30.028	2.1723	.63769	.64188	1.7183	.10852	.11702	11.866	.51414	10.908	42.908	3.7138
#1	3.0456	.01381	.20638	.01032	.02011	1.1030	.04122	2.9283	.00845	.01887	.01797	.00869	.49707
#2	3.1179	.00898	.21282	.01022	.01993	1.0765	.04116	2.9331	.00999	.01901	.02097	.00464	.47163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0365**	**.10356**	**.01001**	**.01354**	**.00994**	**.01760**	**.07348**	**.01026**	**.02184**	**.01497**
Stddev	.0385	.00053	.00011	.00008	.00025	.00022	.01235	.00003	.00020	.00063
%RSD	3.7138	.51341	1.0537	.57327	2.4806	1.2221	16.809	.27852	.92029	4.2060
#1	1.0637	.10318	.01009	.01359	.01011	.01775	.08221	.01024	.02198	.01542
#2	1.0093	.10393	.00994	.01348	.00976	.01745	.06475	.01028	.02170	.01452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6898.9**	**89572.**	**8457.8**
Stddev	4.5	70.	28.1
%RSD	.06459	.07852	.33282
#1	6902.1	89622.	8437.9
#2	6895.8	89523.	8477.7

Sample Name: mb 280-192701/1-a Acquired: 9/25/2013 20:09:29 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192701 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00224**	**.00183**	**.00041**	**.00016**	**.00001**	**.00141**	**.00527**	**-.00015**	**.00024**
Stddev	.00062	.00011	.00178	.00023	.00025	.00003	.00133	.00144	.00002	.00007
%RSD	322.39	5.0389	97.181	56.294	152.62	316.73	94.557	27.250	10.949	30.288
#1	.00063	.00216	.00309	.00057	-.00001	.00003	.00235	.00425	-.00014	.00030
#2	-.00025	.00232	.00057	.00025	.00034	-.00001	.00047	.00629	-.00016	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00037**	**F .13942**	**.06283**	**.00084**	**.00364**	**.00115**	**-.00004**	**.03439**	**.00028**
Stddev	.00016	.00036	.00163	.00580	.00164	.00254	.00003	.00023	.00284	.00019
%RSD	383.98	96.599	1.1689	9.2306	195.25	69.793	2.2048	566.18	8.2603	66.700
#1	-.00007	-.00012	.13826	.06693	.00199	.00184	.00113	-.00021	.03239	.00015
#2	.00015	-.00062	.14057	.05873	-.00032	.00543	.00117	.00012	.03640	.00041
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00002**	**.01071**	**.00146**	**-.00198**	**-.00115**	**-.00247**	**.00085**	**-.00003**	**-.00104**
Stddev	.00092	.00087	.00139	.00032	.00063	.01158	.02478	.00005	.00005	.00123
%RSD	172.07	4040.0	12.986	21.683	31.573	1004.7	1004.7	6.2999	209.70	117.75
#1	-.00118	-.00059	.00973	.00124	-.00154	-.00934	-.01999	.00089	.00001	-.00017
#2	.00012	.00064	.01170	.00168	-.00243	.00704	.01506	.00082	-.00006	-.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00090**	**.00042**	**.00016**	**.00205**	**.00093**
Stddev	.00011	.00002	.00365	.00033	.00039	.00048
%RSD	36.172	2.4074	863.38	201.61	19.098	51.223
#1	.00039	.00089	-.00216	-.00007	.00177	.00060
#2	.00023	.00092	.00300	.00039	.00233	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7117.5**	**90942.**	**8484.6**
Stddev	57.0	150.	7.8
%RSD	.80084	.16508	.09175
#1	7077.2	90836.	8490.1
#2	7157.8	91049.	8479.1

Sample Name: lcs 280-192701/2-a Acquired: 9/25/2013 20:11:47 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192701 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04807	2.0444	1.0318	1.0227	2.0589	.05007	2.1047	49.731	.10439	.50179
Stddev	.00025	.0003	.0001	.0017	.0015	.00017	.0052	.128	.00014	.00036
%RSD	.51510	.01593	.01120	.16560	.07239	.34823	.24653	.25639	.13774	.07222
#1	.04825	2.0442	1.0317	1.0215	2.0600	.04995	2.1011	49.641	.10429	.50153
#2	.04790	2.0446	1.0318	1.0239	2.0579	.05020	2.1084	49.821	.10449	.50204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20359	.25784	.98951	51.315	1.0053	50.521	.50522	1.0429	52.002	.49944
Stddev	.00009	.00058	.00121	.126	.0016	.112	.00101	.0014	.308	.00074
%RSD	.04574	.22424	.12190	.24579	.16153	.22253	.20006	.13103	.59214	.14780
#1	.20365	.25743	.99037	51.226	1.0042	50.442	.50450	1.0439	51.784	.49996
#2	.20352	.25825	.98866	51.405	1.0065	50.601	.50593	1.0419	52.220	.49892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.416	.50433	.00028	.51012	2.0159	9.9663	21.328	2.0382	1.0163	.97987
Stddev	.013	.00261	.00090	.00049	.0021	.0115	.025	.0097	.0008	.00140
%RSD	.12087	.51680	326.42	.09589	.10150	.11495	.11495	.47584	.07899	.14245
#1	10.407	.50617	-.00036	.51046	2.0173	9.9582	21.310	2.0451	1.0157	.97888
#2	10.424	.50249	.00091	.50977	2.0144	9.9744	21.345	2.0313	1.0168	.98085
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0361	1.9897	2.1209	.51454	.50296	.49982
Stddev	.0015	.0050	.0389	.00160	.00096	.00023
%RSD	.14544	.25183	1.8356	.31072	.19007	.04546
#1	1.0350	1.9932	2.0934	.51341	.50229	.49998
#2	1.0372	1.9861	2.1485	.51567	.50364	.49966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6965.4	89579.	8668.7
Stddev	17.3	457.	29.0
%RSD	.24831	.51044	.33401
#1	6977.7	89256.	8689.2
#2	6953.2	89903.	8648.2

Sample Name: 280-46492-a-1-b Acquired: 9/25/2013 20:13:53 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192701 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00802**	**.00161**	**.32174**	**.18779**	**.00004**	**-.00236**	**14.510**	**.00008**	**-.00032**
Stddev	.00017	.00004	.00140	.00216	.00015	.00005	.00192	.006	.00021	.00013
%RSD	210.21	.47468	86.859	.67202	.08168	147.93	81.432	.04202	266.30	39.080
#1	.00020	.00804	.00260	.32327	.18768	.00007	-.00372	14.515	.00022	-.00024
#2	-.00004	.00799	.00062	.32021	.18790	.00000	-.00100	14.506	-.00007	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00033**	**.08502**	**36.576**	**.23389**	**9.6422**	**.08593**	**.00089**	**193.97**	**.00011**
Stddev	.00015	.00017	.00271	.004	.00056	.0369	.00004	.00012	.32	.00034
%RSD	83.817	50.910	3.1853	.01223	.24001	.38286	.05060	13.673	.16294	321.20
#1	.00029	-.00021	.08693	36.573	.23349	9.6161	.08590	.00080	193.75	-.00013
#2	.00007	-.00044	.08310	36.579	.23429	9.6683	.08597	.00098	194.20	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26032**	**-.00243**	**.15618**	**.00144**	**-.00408**	**24.298**	**51.999**	**.00010**	**.11997**	**-.00093**
Stddev	.00217	.00106	.00112	.00124	.00137	.062	.132	.00066	.00022	.00171
%RSD	.83294	43.578	.71509	86.203	33.609	.25355	.25355	685.96	.18353	183.52
#1	.26185	-.00168	.15697	.00056	-.00505	24.255	51.906	.00056	.11982	.00028
#2	.25879	-.00317	.15539	.00232	-.00311	24.342	52.092	-.00037	.12013	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00109**	**-.02680**	**.00049**	**.00390**	**.00015**
Stddev	.00008	.00017	.03079	.00038	.00006	.00092
%RSD	16.454	15.321	114.90	77.838	1.4627	633.19
#1	.00041	.00098	-.04857	.00076	.00386	-.00051
#2	.00051	.00121	-.00502	.00022	.00394	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6884.8**	**89037.**	**8836.7**
Stddev	.8	380.	20.5
%RSD	.01126	.42677	.23243
#1	6884.2	89306.	8822.2
#2	6885.3	88768.	8851.2

Sample Name: 280-46492-a-1-bSD@5 Acquired: 9/25/2013 20:16:15 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192701 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.01665**	**.00435**	**.06767**	**.03774**	**-.00004**	**.00076**	**2.9385**	**-.00014**	**.00002**
Stddev	.00049	.00032	.00365	.00048	.00007	.00001	.00163	.0055	.00000	.00010
%RSD	132.25	1.9193	83.981	.71242	.19725	21.856	213.55	.18599	3.2283	509.01
#1	.00071	.01642	.00177	.06733	.03768	-.00004	.00192	2.9346	-.00014	-.00005
#2	.00002	.01688	.00694	.06801	.03779	-.00003	-.00039	2.9424	-.00014	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00071**	**.04357**	**7.3380**	**.04858**	**1.9800**	**.01739**	**.00009**	**39.705**	**-.00014**
Stddev	.00003	.00027	.00137	.0364	.00013	.0081	.00002	.00012	.600	.00009
%RSD	47.001	37.505	3.1358	.49587	.26945	.41109	.11955	132.41	1.5104	64.338
#1	.00008	-.00052	.04454	7.3123	.04867	1.9742	.01737	.00018	39.281	-.00007
#2	.00004	-.00090	.04261	7.3638	.04849	1.9857	.01740	.00001	40.129	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05136**	**-.00070**	**.04779**	**-.00089**	**-.00157**	**4.8470**	**10.373**	**.00127**	**.02424**	**-.00097**
Stddev	.00329	.00086	.00257	.00227	.00198	.0022	.005	.00046	.00019	.00136
%RSD	6.4118	121.91	5.3818	256.20	125.87	.04634	.04634	36.283	.76395	139.97
#1	.04903	-.00131	.04961	-.00249	-.00017	4.8486	10.376	.00094	.02411	-.00001
#2	.05369	-.00010	.04597	.00072	-.00297	4.8454	10.369	.00160	.02437	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00194**	**-.01479**	**-.00005**	**.00449**	**.00024**
Stddev	.00004	.00027	.05263	.00030	.00011	.00119
%RSD	2416.4	13.953	355.87	577.01	2.5390	487.62
#1	-.00002	.00213	.02243	-.00026	.00457	.00109
#2	.00003	.00175	-.05200	.00016	.00441	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6899.3**	**91288.**	**8723.1**
Stddev	82.9	874.	79.1
%RSD	1.2022	.95707	.90676
#1	6957.9	91906.	8779.0
#2	6840.6	90670.	8667.2

Sample Name: 280-46492-a-1-c ms Acquired: 9/25/2013 20:18:36 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192701 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04850**	**1.9240**	**1.0197**	**1.3025**	**2.2237**	**.04964**	F **2.0211**	**63.462**	**.10266**	**.49011**
Stddev	.00080	.0025	.0033	.0041	.0055	.00013	.0031	.069	.00025	.00142
%RSD	1.6424	.12941	.32502	.31315	.24578	.26089	.15549	.10834	.23996	.28946
#1	.04794	1.9258	1.0220	1.3054	2.2198	.04955	2.0233	63.414	.10283	.49111
#2	.04907	1.9222	1.0173	1.2996	2.2275	.04974	2.0189	63.511	.10248	.48911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19933**	**.25110**	**1.0294**	**87.503**	**1.2208**	**59.196**	**.58123**	**1.0247**	**242.30**	**.48722**
Stddev	.00040	.00076	.0055	.008	.0060	.041	.00112	.0038	.41	.00106
%RSD	.20147	.30229	.53438	.00866	.49576	.07004	.19209	.36725	.16816	.21676
#1	.19962	.25057	1.0255	87.498	1.2250	59.225	.58202	1.0274	242.02	.48796
#2	.19905	.25164	1.0333	87.509	1.2165	59.166	.58044	1.0220	242.59	.48647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.536**	**.48486**	**.13256**	**.49703**	**1.9766**	**34.110**	**72.995**	W **2.0017**	**1.1238**	**.96914**
Stddev	.020	.00077	.00377	.00052	.0097	.055	.118	.0135	.0011	.00076
%RSD	.18679	.15974	2.8403	.10529	.48870	.16229	.16229	.67639	.09787	.07805
#1	10.550	.48431	.12989	.49740	1.9835	34.149	73.078	2.0113	1.1230	.96968
#2	10.522	.48541	.13522	.49666	1.9698	34.071	72.911	1.9922	1.1245	.96861
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0283**	**1.8698**	**2.0284**	**.50970**	**.50771**	**.49673**
Stddev	.0013	.0124	.0388	.00180	.00019	.00492
%RSD	.13039	.66386	1.9129	.35314	.03827	.99051
#1	1.0292	1.8786	2.0010	.51097	.50785	.49325
#2	1.0273	1.8610	2.0559	.50842	.50757	.50021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6572.7**	**83676.**	**8391.9**
Stddev	18.2	410.	21.4
%RSD	.27668	.49026	.25546
#1	6585.5	83386.	8376.7
#2	6559.8	83966.	8407.0

Sample Name: 280-46492-a-1-d msd Acquired: 9/25/2013 20:20:42 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192701 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04833**	**1.8766**	**1.0043**	**1.2795**	**2.1866**	**.04909**	F **2.0075**	**62.389**	**.10114**	**.47909**
Stddev	.00041	.0049	.0112	.0101	.0022	.00000	.0189	.117	.00071	.00042
%RSD	.85676	.26013	1.1144	.78743	.09927	.00560	.94202	.18701	.69987	.08689
#1	.04803	1.8732	1.0122	1.2866	2.1851	.04909	2.0208	62.307	.10164	.47938
#2	.04862	1.8801	.99637	1.2723	2.1882	.04909	1.9941	62.472	.10064	.47879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19567**	**.24799**	**1.0207**	**85.792**	**1.2004**	**57.856**	**.57027**	**.99929**	**236.39**	**.47787**
Stddev	.00135	.00101	.0024	.151	.0021	.037	.00001	.00198	.12	.00262
%RSD	.69145	.40808	.23787	.17607	.17576	.06360	.00261	.19856	.05211	.54864
#1	.19663	.24728	1.0224	85.685	1.1989	57.882	.57026	1.0007	236.30	.47972
#2	.19472	.24871	1.0189	85.898	1.2019	57.830	.57029	.99788	236.47	.47602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.338**	**.47643**	**.12776**	**.49236**	**1.9554**	**33.519**	**71.731**	**1.9643**	**1.1039**	**.95605**
Stddev	.007	.00274	.00320	.00374	.0063	.026	.055	.0011	.0028	.00197
%RSD	.06675	.57434	2.5073	.75945	.32481	.07644	.07644	.05606	.25221	.20592
#1	10.343	.47837	.12549	.48972	1.9598	33.537	71.770	1.9650	1.1019	.95465
#2	10.333	.47450	.13002	.49500	1.9509	33.501	71.693	1.9635	1.1059	.95744
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0088**	**1.8531**	**2.0494**	**.50228**	**.49639**	**.49546**
Stddev	.0005	.0014	.0150	.00183	.00077	.00627
%RSD	.04867	.07548	.73028	.36469	.15561	1.2647
#1	1.0084	1.8521	2.0388	.50099	.49693	.49103
#2	1.0091	1.8540	2.0600	.50358	.49584	.49989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6726.7**	**86623.**	**8470.5**
Stddev	25.2	735.	100.5
%RSD	.37506	.84842	1.1869
#1	6744.6	86103.	8399.4
#2	6708.9	87142.	8541.6

Sample Name: 280-46778-a-3-b@5 Acquired: 9/25/2013 20:22:49 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192258 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.02119**	**.00275**	**.03196**	**.02267**	**-.00008**	**-.00004**	**202.22**	**.00031**	**.00794**
Stddev	.00025	.00053	.00159	.00043	.00013	.00000	.00066	4.63	.00017	.00056
%RSD	155.37	2.5031	57.998	1.3333	.55531	.99497	1722.7	2.2885	53.969	7.0813
#1	.00034	.02082	.00388	.03166	.02258	-.00008	.00043	198.95	.00042	.00834
#2	-.00002	.02157	.00162	.03226	.02276	-.00008	-.00050	205.49	.00019	.00754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00038**	**1.8174**	**1.0000**	**-.00022**	**25.640**	**3.3768**	**.00114**	**73.300**	**.00389**
Stddev	.00003	.00050	.0033	.0040	.00166	.075	.0408	.00027	.013	.00007
%RSD	21.345	132.10	.18251	.39543	770.57	.29315	1.2074	24.136	.01823	1.8468
#1	.00014	-.00073	1.8150	.99725	.00096	25.586	3.3480	.00094	73.310	.00394
#2	.00010	-.00002	1.8197	1.0028	-.00139	25.693	3.4056	.00133	73.291	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13012**	**.00059**	**36.006**	**-.00056**	W **-.00687**	**2.5102**	**5.3718**	**.00077**	**.84311**	**.00047**
Stddev	.00195	.00029	.003	.00068	.00155	.0164	.0350	.00014	.00473	.00166
%RSD	1.5019	49.073	.00876	120.94	22.498	.65122	.65122	17.797	.56159	350.56
#1	.12874	.00079	36.003	-.00008	-.00578	2.5218	5.3965	.00087	.83976	.00165
#2	.13151	.00038	36.008	-.00104	-.00796	2.4986	5.3471	.00067	.84645	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00227**	W **-.07923**	**.00352**	**.01043**	**-.00005**
Stddev	.00008	.00035	.01647	.00031	.00001	.00042
%RSD	106.13	15.628	20.791	8.8427	.10493	809.43
#1	-.00013	.00252	-.06758	.00374	.01044	.00025
#2	-.00002	.00202	-.09088	.00330	.01043	-.00035
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6575.9**	**84748.**	**8377.8**
Stddev	57.4	40.	15.3
%RSD	.87283	.04757	.18237
#1	6616.4	84776.	8367.0
#2	6535.3	84719.	8388.6

Sample Name: CCVH-2271055 Acquired: 9/25/2013 20:25:19 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00457**	**49.240**	**.00514**	**.00407**	**.00049**	**.00006**	**.99596**	**.07424**	**.00030**	**-.00035**	**-.00081**	**-.00782**	**50.017**
Stddev	.00091	.130	.00050	.00086	.00019	.00000	.00194	.01488	.00002	.00003	.00019	.00019	.096
%RSD	19.807	.26311	9.6323	21.055	37.651	7.3191	.19503	20.037	6.1832	8.3086	23.185	2.4509	.19209
#1	-.00393	49.148	.00549	.00467	.00062	.00006	.99733	.08476	.00032	-.00037	-.00068	-.00795	50.085
#2	-.00521	49.331	.00479	.00346	.00036	.00006	.99459	.06373	.00029	-.00033	-.00094	-.00768	49.949
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09221**	**.00098**	**-.07618**	**-.00010**	**-.00026**	**250.82**	**.00025**	**.00369**	**.00219**	**4.8364**	**.00166**	**-.00965**	**-.00853**
Stddev	.00480	.00136	.00025	.00001	.00000	1.45	.00013	.00070	.00182	.0090	.00052	.00027	.00018
%RSD	5.2008	139.15	.33333	14.938	.38159	.57720	53.542	19.095	83.385	.18533	31.648	2.7627	2.1128
#1	.08882	.00002	-.07635	-.00011	-.00026	249.79	.00034	.00419	.00090	4.8428	.00203	-.00984	-.00840
#2	.09560	.00194	-.07600	-.00009	-.00026	251.84	.00015	.00319	.00348	4.8301	.00128	-.00946	-.00865
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01825**	**.00102**	**.00047**	**4.8258**	**.00847**	**.00114**	**10.123**	**.00028**	**.00022**	**-.04033**
Stddev	.00039	.00086	.00003	.0048	.00020	.00186	.035	.00055	.00015	.00075
%RSD	2.1128	84.324	5.9381	.10015	2.3772	164.03	.34867	199.51	66.441	1.8681
#1	-.01797	.00163	.00049	4.8292	.00862	.00246	10.148	.00067	.00033	-.03980
#2	-.01852	.00041	.00045	4.8224	.00833	-.00018	10.098	-.00011	.00012	-.04086
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6746.2**	**86135.**	**8436.0**
Stddev	7.4	71.	10.0
%RSD	.10936	.08287	.11869
#1	6751.4	86185.	8428.9
#2	6741.0	86084.	8443.0

Sample Name: CCV-2271054 Acquired: 9/25/2013 20:27:34 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49383**	**.50750**	**.97822**	**.49494**	**.49122**	**.47907**	**.00413**	**4.8583**	**.49631**	**.50027**	**.49143**	**.49841**	**2.4124**
Stddev	.00188	.00175	.00195	.00445	.00298	.00283	.00030	.0284	.00187	.00009	.00064	.00105	.0148
%RSD	.38055	.34437	.19961	.89872	.60615	.59090	7.2222	.58390	.37658	.01815	.13062	.20973	.61314
#1	.49516	.50626	.97684	.49180	.48912	.47707	.00392	4.8383	.49499	.50021	.49097	.49915	2.4229
#2	.49250	.50873	.97960	.49809	.49333	.48107	.00434	4.8784	.49763	.50034	.49188	.49768	2.4020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.276**	**.97182**	**19.842**	**.49419**	**.50021**	**5.1337**	**.49767**	**.99459**	**1.0028**	**.00264**	**.95807**	**.98159**	**4.8040**
Stddev	.351	.00526	.073	.00135	.00116	.0187	.00150	.00440	.0055	.00116	.00294	.00151	.0253
%RSD	.71332	.54109	.36658	.27407	.23222	.36325	.30077	.44267	.55180	43.936	.30707	.15413	.52635
#1	49.027	.96810	19.893	.49514	.49939	5.1469	.49661	.99148	.99886	.00182	.96016	.98266	4.8218
#2	49.524	.97554	19.790	.49323	.50103	5.1205	.49872	.99771	1.0067	.00346	.95599	.98052	4.7861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.280**	**.99823**	**.48629**	**-.00259**	**.49453**	**1.0005**	**-.00671**	**.49243**	**.49846**	**.48826**
Stddev	.054	.00594	.00401	.00072	.00112	.0020	.04967	.00002	.00034	.00130
%RSD	.52635	.59543	.82520	27.653	.22666	.20291	739.80	.00499	.06856	.26725
#1	10.319	.99403	.48345	-.00310	.49533	.99903	.02841	.49244	.49871	.48918
#2	10.242	1.0024	.48913	-.00208	.49374	1.0019	-.04183	.49241	.49822	.48733
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7000.9**	**89421.**	**8565.4**
Stddev	23.5	700.	36.7
%RSD	.33577	.78279	.42869
#1	7017.6	88926.	8591.4
#2	6984.3	89916.	8539.5

Sample Name: CCB Acquired: 9/25/2013 20:29:42 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00125**	**.00391**	**.00215**	**.00002**	**.00011**	**-.00120**	**.00376**	**.00003**	**-.00008**	**.00016**
Stddev	.00031	.00016	.00040	.00027	.00026	.00005	.00327	.00041	.00001	.00016	.00005
%RSD	57.166	13.061	10.180	12.666	1215.1	48.392	273.05	10.816	41.835	190.90	30.183
#1	.00033	.00114	.00419	.00235	-.00016	.00015	-.00351	.00404	.00002	.00003	.00012
#2	.00077	.00137	.00363	.00196	.00020	.00007	.00112	.00347	.00004	-.00020	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00206**	**.06656**	**.00109**	**.00445**	**.00011**	**.00059**	**.04653**	**.00013**	**.00144**	**.00035**
Stddev	.00013	.00064	.00111	.00064	.00193	.00004	.00005	.00305	.00039	.00106	.00137
%RSD	31.895	30.934	1.6710	58.953	43.467	33.635	9.2581	6.5546	294.36	73.876	386.74
#1	-.00031	.00161	.06577	.00154	.00581	.00013	.00055	.04868	-.00014	.00069	-.00061
#2	-.00050	.00251	.06735	.00063	.00308	.00008	.00063	.04437	.00041	.00219	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01000**	F **.01588**	W **-.00711**	**.00637**	**.01364**	**.00105**	**.00004**	**-.00067**	**-.00003**	**.00056**	**-.04512**
Stddev	.00079	.00151	.00431	.00526	.01125	.00004	.00002	.00061	.00028	.00046	.00216
%RSD	7.8888	9.4910	60.542	82.527	82.527	3.8148	43.706	91.265	849.62	82.065	4.7979
#1	.00945	.01481	-.00407	.01009	.02159	.00108	.00005	-.00110	.00017	.00024	-.04665
#2	.01056	.01694	-.01016	.00265	.00568	.00102	.00003	-.00024	-.00023	.00088	-.04359
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00011**	**.00143**	**.00119**
Stddev	.00045	.00085	.00001
%RSD	415.17	59.880	.83105
#1	.00043	.00082	.00120
#2	-.00021	.00203	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6913.2**	**89102.**	**8254.6**
Stddev	6.7	1143.	41.7
%RSD	.09673	1.2826	.50575
#1	6908.5	88293.	8284.2
#2	6917.9	89910.	8225.1

Sample Name: CCVL2271034 Acquired: 9/25/2013 20:31:58 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01092**	**.10859**	**.01541**	**.09887**	**.01025**	**.00102**	**.10995**	**.21305**	**.00513**	**.01081**	**.01041**	**.01534**	**.12117**
Stddev	.00016	.00016	.00358	.00031	.00003	.00004	.00086	.00214	.00008	.00024	.00008	.00000	.00247
%RSD	1.4439	.14599	23.214	.31687	.33582	3.7527	.78465	1.0038	1.5969	2.2433	.75259	.00119	2.0421
#1	.01103	.10847	.01288	.09865	.01023	.00099	.10934	.21457	.00519	.01099	.01036	.01534	.11942
#2	.01081	.10870	.01794	.09909	.01028	.00105	.11056	.21154	.00507	.01064	.01047	.01534	.12292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0885**	**.01189**	**.21497**	**.01048**	**.02032**	**1.1054**	**.04164**	**2.9374**	**.00823**	**.01412**	**.00989**	F **.00970**	**.49683**
Stddev	.0591	.00137	.00089	.00006	.00007	.0035	.00025	.0096	.00061	.00094	.00211	.00059	.00909
%RSD	1.9123	11.540	.41586	.60558	.33630	.31308	.60787	.32652	7.4236	6.6640	21.373	6.0719	1.8306
#1	3.1302	.01285	.21434	.01043	.02036	1.1078	.04182	2.9442	.00780	.01478	.01139	.01011	.50326
#2	3.0467	.01092	.21560	.01052	.02027	1.1029	.04146	2.9306	.00866	.01345	.00840	.00928	.49040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0632**	**.10387**	**.01014**	**.01441**	**.01015**	**.01742**	**.04607**	**.01010**	**.02270**	**.01312**
Stddev	.0195	.00030	.00013	.00144	.00029	.00004	.02390	.00024	.00007	.00099
%RSD	1.8306	.28578	1.3105	10.017	2.8128	.23680	51.868	2.3427	.32362	7.5416
#1	1.0770	.10366	.01004	.01339	.00995	.01739	.06297	.01026	.02265	.01242
#2	1.0495	.10408	.01023	.01543	.01035	.01745	.02917	.00993	.02276	.01382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6999.3**	**88594.**	**8298.1**
Stddev	6.1	281.	33.5
%RSD	.08720	.31670	.40311
#1	6995.0	88395.	8274.5
#2	7003.7	88792.	8321.8

Sample Name: mb 280-192814/1-a Acquired: 9/25/2013 20:34:16 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00676**	**.00239**	**.00169**	**-.00017**	**.00007**	**-.00044**	**.00767**	**-.00003**	**.00022**
Stddev	.00085	.00013	.00135	.00038	.00000	.00004	.00001	.00105	.00020	.00013
%RSD	435.56	1.9639	56.366	22.525	.67533	61.130	2.3068	13.671	725.35	60.446
#1	.00079	.00686	.00335	.00142	-.00017	.00004	-.00045	.00693	.00011	.00031
#2	-.00040	.00667	.00144	.00196	-.00017	.00010	-.00043	.00841	-.00017	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00041**	**.01044**	**.12775**	**-.00071**	**.00318**	**.00010**	**.00024**	**.04551**	**.00024**
Stddev	.0002	.00014	.00190	.02299	.00068	.00113	.00005	.00015	.00142	.00004
%RSD	5108.8	33.617	18.169	17.994	96.265	35.677	50.660	62.014	3.1265	15.106
#1	.00011	-.00050	.01178	.14401	-.00119	.00398	.00007	.00014	.04652	.00022
#2	-.00012	-.00031	.00910	.11150	-.00023	.00237	.00014	.00035	.04450	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00104**	**-.00084**	**.00974**	**.00186**	**-.00405**	**.01023**	**.02189**	**.00015**	**-.00008**	**.00020**
Stddev	.00108	.00102	.00047	.00060	.00066	.01868	.03998	.00046	.00002	.00087
%RSD	103.97	121.49	4.7804	32.495	16.363	182.60	182.60	296.82	32.431	439.47
#1	-.00180	-.00156	.01007	.00143	-.00358	.02344	.05016	-.00017	-.00006	.00081
#2	-.00027	-.00012	.00941	.00229	-.00452	-.00298	-.00638	.00048	-.00009	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00122**	**-.01546**	**-.00020**	**.00289**	**.00020**
Stddev	.00005	.00018	.01486	.00054	.00011	.00090
%RSD	10.760	15.093	96.097	273.70	3.8646	461.37
#1	-.00046	.00109	-.02596	.00018	.00297	.00083
#2	-.00039	.00136	-.00495	-.00058	.00281	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7019.9**	**93140.**	**8496.9**
Stddev	65.2	138.	125.9
%RSD	.92942	.14807	1.4822
#1	7066.0	93042.	8407.9
#2	6973.7	93237.	8586.0

Sample Name: lcs 280-192814/2-a Acquired: 9/25/2013 20:36:33 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04853**	**1.9734**	**1.0270**	**1.0064**	**2.0400**	**.04968**	**2.0774**	**49.448**	**.10322**	**.49799**
Stddev	.00029	.0010	.0056	.0018	.0120	.00015	.0028	.179	.00008	.00061
%RSD	.59703	.05288	.54372	.17633	.58743	.30532	.13683	.36229	.08016	.12176
#1	.04832	1.9727	1.0309	1.0051	2.0316	.04957	2.0794	49.322	.10316	.49842
#2	.04873	1.9741	1.0230	1.0077	2.0485	.04978	2.0754	49.575	.10328	.49756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20159**	**.25329**	**.98983**	**50.867**	**.99350**	**50.665**	**.50144**	**1.0269**	**50.815**	**.49449**
Stddev	.00021	.00029	.01118	.049	.00526	.109	.00001	.0015	.075	.00080
%RSD	.10553	.11410	1.1295	.09608	.52934	.21596	.00275	.15053	.14858	.16253
#1	.20174	.25309	.98192	50.833	.98979	50.588	.50145	1.0280	50.868	.49506
#2	.20144	.25350	.99773	50.902	.99722	50.742	.50143	1.0258	50.761	.49393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.338**	**.50371**	**-.00740**	**.50365**	**1.9961**	**9.9416**	**21.275**	**2.0229**	**1.0056**	**.97352**
Stddev	.019	.00062	.00487	.00076	.0001	.0254	.054	.0014	.0059	.00247
%RSD	.18699	.12225	65.751	.15037	.00641	.25539	.25539	.06716	.59010	.25397
#1	10.352	.50414	-.01084	.50311	1.9962	9.9236	21.237	2.0238	1.0014	.97177
#2	10.325	.50327	-.00396	.50418	1.9960	9.9595	21.313	2.0219	1.0098	.97527
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0243**	**1.9790**	**2.0899**	**.51083**	**.50470**	**.50005**
Stddev	.0007	.0038	.0162	.00089	.00164	.00070
%RSD	.06705	.19063	.77363	.17348	.32543	.14095
#1	1.0239	1.9817	2.1014	.51146	.50354	.50055
#2	1.0248	1.9763	2.0785	.51021	.50586	.49956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.6**	**87936.**	**8671.8**
Stddev	17.3	520.	17.5
%RSD	.25294	.59094	.20163
#1	6836.8	88303.	8659.5
#2	6812.4	87568.	8684.2

Sample Name: 280-46856-a-1-b Acquired: 9/25/2013 20:38:38 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00529**	**.00728**	**.45935**	**.74177**	**.00006**	**-.00213**	**158.31**	**.00063**	**.00078**
Stddev	.00002	.00011	.00354	.00190	.00442	.00001	.00177	1.02	.00021	.00037
%RSD	43.523	2.1152	48.565	.41377	.59529	11.969	83.130	.64524	33.249	47.676
#1	.00004	.00521	.00478	.45800	.74489	.00006	-.00339	159.04	.00078	.00104
#2	.00007	.00537	.00978	.46069	.73865	.00005	-.00088	157.59	.00048	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00041**	**4.2109**	**1.0852**	**.04133**	**60.653**	**.83261**	**.00205**	**349.85**	**.00080**
Stddev	.00023	.00030	.0060	.0438	.00271	.067	.00167	.00006	2.24	.00014
%RSD	177.21	72.350	.14259	4.0349	6.5614	.11126	.20037	2.9432	.64099	18.133
#1	-.00003	.00062	4.2066	1.1162	.03942	60.701	.83379	.00201	351.43	.00090
#2	.00029	.00020	4.2151	1.0543	.04325	60.605	.83143	.00209	348.26	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12037**	**-.00003**	**46.406**	**-.00027**	W **-.00648**	**13.114**	**28.064**	**.00033**	**2.3210**	**-.00007**
Stddev	.00046	.00164	.043	.00127	.00369	.046	.098	.00031	.0140	.00125
%RSD	.37881	4892.0	.09336	475.29	56.878	.34890	.34890	93.229	.60267	1693.9
#1	.12069	-.00120	46.436	-.00117	-.00388	13.146	28.133	.00011	2.3309	-.00096
#2	.12005	.00113	46.375	.00063	-.00909	13.082	27.995	.00055	2.3111	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00201**	**-.02629**	**.00207**	**.00659**	**.00011**
Stddev	.00010	.00110	.00944	.00034	.00009	.00094
%RSD	81.955	54.376	35.912	16.700	1.3915	889.29
#1	-.00020	.00279	-.01961	.00231	.00665	.00077
#2	-.00005	.00124	-.03296	.00182	.00652	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6662.5**	**84651.**	**8480.1**
Stddev	13.4	87.	38.7
%RSD	.20132	.10299	.45581
#1	6653.0	84589.	8452.7
#2	6672.0	84712.	8507.4

Sample Name: 280-46856-a-1-bSD@5 Acquired: 9/25/2013 20:41:00 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.01534**	**.00459**	**.09670**	**.14793**	**-.00005**	**-.00002**	**31.735**	**.00020**	**.00008**
Stddev	.00032	.00047	.00052	.00012	.00008	.00002	.00290	.075	.00004	.00000
%RSD	181.57	3.0909	11.227	.11984	.05440	49.219	17565.	.23508	20.216	.48855
#1	-.00005	.01568	.00495	.09662	.14787	-.00003	.00203	31.683	.00018	.00008
#2	.00040	.01501	.00423	.09678	.14799	-.00007	-.00207	31.788	.00023	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00003**	**.86148**	**.34705**	**.00702**	**12.310**	**.16826**	**.00056**	**69.933**	**.00009**
Stddev	.00001	.00031	.00430	.01816	.00123	.025	.00001	.00036	.548	.00020
%RSD	71.685	1023.4	.49913	5.2333	17.537	.20587	.00851	65.023	.78339	229.05
#1	.00001	.00019	.85844	.33421	.00789	12.292	.16827	.00082	69.546	.00023
#2	.00000	-.00025	.86452	.35989	.00615	12.328	.16825	.00030	70.320	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02453**	**-.00022**	**9.1020**	**-.00031**	W **-.00843**	**2.5690**	**5.4976**	**.00060**	**.45985**	**-.00043**
Stddev	.00005	.00098	.0440	.00319	.00258	.0035	.0076	.00035	.00194	.00146
%RSD	.19427	449.07	.48291	1025.0	30.632	.13728	.13728	57.643	.42136	336.63
#1	.02456	.00048	9.0709	-.00257	-.00660	2.5665	5.4923	.00036	.45848	-.00146
#2	.02449	-.00092	9.1330	.00195	-.01026	2.5715	5.5029	.00084	.46122	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00113**	**-.02834**	**.00033**	**.00538**	**.00148**
Stddev	.00003	.00069	.01425	.00036	.00047	.00162
%RSD	28.453	60.945	50.299	106.39	8.6448	109.66
#1	.00009	.00161	-.01826	.00008	.00505	.00262
#2	.00014	.00064	-.03842	.00059	.00571	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6894.2**	**87947.**	**8562.0**
Stddev	67.7	221.	55.7
%RSD	.98183	.25130	.65044
#1	6846.4	88103.	8601.4
#2	6942.1	87791.	8522.6

Sample Name: 280-46856-a-1-c ms Acquired: 9/25/2013 20:43:18 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sW .29257	.43605	k .21003	k .28885	^ *****	k .00412	kF .38954	^ *****	k .02101	k .10403
Stddev	.16714	.09127	.03898	.05531	-----	.00029	.07461	-----	.00418	.02207
%RSD	57.126	20.930	18.558	19.148	-----	6.9553	19.154	-----	19.876	21.214
#1	k .41076	.50059	k .23759	k .32797	^ -----	k .00432	k .44230	^ -----	k .02396	k .11963
#2	s .17439	.37152	k .18247	k .24974	k .43630	k .00391	k .33678	k 25.634	k .01806	k .08842
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .04235	sF -.35017	.52053	12.120	k .04985	sF -2.0861	sF -.04584	k .21522	F -6.3087	k .10311
Stddev	.00877	.32158	.08840	10.442	.06445	1.2267	.04373	.04688	60.405	.02206
%RSD	20.709	91.835	16.982	86.155	129.30	58.804	95.407	21.781	957.49	21.395
#1	k .04855	k -.57757	.45802	4.7365	k .09542	k -2.9535	k -.07676	k .24836	36.404	k .11871
#2	k .03614	s -.12278	.58304	19.504	k .00427	s -1.2187	s -.01491	k .18207	-49.022	k .08751
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		50.000				2000.0	20.000		10000.	
Low Limit		-.02000				-.20000	-.02000		9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW 2.1237	k .10289	k 8.4965	k .09544	k .37586	k 2.5933	k 5.5496	k .41688	^ *****	s 1.3856
Stddev	.4369	.02261	1.7232	.02035	.07775	.7842	1.6783	.08771	-----	1.7115
%RSD	20.574	21.972	20.281	21.323	20.687	30.241	30.241	21.041	-----	123.52
#1	k 2.4327	k .11888	k 9.7149	k .10983	k .43084	k 2.0387	k 4.3629	k .47891	^ -----	k 2.5958
#2	k 1.8148	k .08691	k 7.2780	k .08105	k .32088	k 3.1478	k 6.7363	k .35486	.44927	s .17539
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .15878	k .38632	sF -10.381	sF -.36133	sW -.01180	kF -.02445
Stddev	.20031	.07923	15.407	.44880	.00830	.10520
%RSD	126.15	20.508	148.42	124.21	70.316	430.33
#1	k .30042	k .44234	k -21.275	k -.67868	k -.00593	k .04994
#2	s .01714	k .33030	s .5135	s -.04398	s -.01767	k -.09883
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Warn	Chk Fail
High Limit			50.000	50.000	10.000	50.000
Low Limit			-.10000	-.02000	-.00500	-.02000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	10183.	^ *****	6520.7
Stddev	1160.	-----	8806.4
%RSD	11.392	-----	135.05
#1	9363.0	-177.84	12748.
#2	11004.	^ -----	293.60

Sample Name: 280-46856-a-1-d msd Acquired: 9/25/2013 20:46:09 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .08439	sF -2.7582	sF -1.3519	sF -1.9172	k .92378	k .03025	sF -2.5177	k 6.4420	sF -.13722	sF -.67394
Stddev	.10471	4.8779	2.3987	3.3719	1.2298	.04204	4.4573	4.6016	.24216	1.1911
%RSD	124.08	176.85	177.43	175.88	133.13	138.96	177.04	71.431	176.47	176.73
#1	k .01035	s -6.2074	s -3.0481	s -4.3015	k .05419	k .00053	s -5.6695	k 3.1882	s -.30845	s -1.5161
#2	s .15843	s .69102	s .34419	s .46710	k 1.7934	k .05998	s .63404	k 9.6958	s .03401	s .16826
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
High Limit		3.2000	50.000	100.00			.10000		25.000	50.000
Low Limit		-.10000	-.02000	-.02000			-.10000		-.01000	-.02000

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF -.26958	sF -.28546	F -1.6289	W 236.76	kF -3.2121	^ *****	^ *****	sF -1.4036	W 75.388	sF -.66649
Stddev	.47787	.41896	2.3928	331.32	4.5209	-----	-----	2.4769	95.563	1.1787
%RSD	177.26	146.77	146.90	139.94	140.74	-----	-----	176.47	126.76	176.85
#1	s -.60749	k .01079	.06309	2.4804	k -.01537	^ -----	^ -----	s -3.1551	7.8148	s -1.4999
#2	s .06833	s -.58170	-3.3209	471.04	k -6.4089	^ -----	^ -----	s .34785	142.96	s .16696
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Fail
High Limit	50.000	50.000	100.00	100.00	25.000			20.000	10.500	50.000
Low Limit	-.02000	-.02000	-.10000	-.50000	-.02000			-.02000	-.50000	-.02000

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF -13.963	sF -.68275	sF -56.186	sF -.68559	sF -2.5595	k 3.7286	k 7.9792	sF -2.7080	.08378	sF -.73242
Stddev	24.605	1.2013	98.696	1.1980	4.4845	4.6701	9.9940	4.7796	.04549	1.1604
%RSD	176.22	175.96	175.66	174.73	175.21	125.25	125.25	176.50	54.294	158.43
#1	s -31.361	s -1.5322	s -125.97	s -1.5327	s -5.7305	k .42633	k .91234	s -6.0877	.05161	k .08809
#2	s 3.4361	s .16672	s 13.603	s .16149	s .61157	k 7.0309	k 15.046	s .67166	.11594	s -1.5529
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit	50.000	200.00	200.00	50.000	50.000			20.000		50.000
Low Limit	-2.0000	-.00600	-.20000	-.02000	-.01000			-.10000		-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	sF -2.5227	sF -1.4728	sF -.43171	sF -.41629	kF -2.3594
Stddev	-----	4.4507	2.2726	.66565	.64588	3.2835
%RSD	-----	176.43	154.30	154.19	155.15	139.17
#1	^ -----	s -5.6699	k .13415	k .03898	k .04041	k -.03759
#2	s -1.7008	s .62441	s -3.0798	s -.90239	s -.87300	k -4.6811
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		20.000	50.000	50.000	50.000	50.000
Low Limit		-.02000	-.10000	-.02000	-.02000	-.02000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	721.66
Stddev	-----	-----	1006.0
%RSD	-----	-----	139.40
#1	^ -----	362080.	1433.0
#2	^ -----	^ -----	10.326

Sample Name: 280-46856-a-1-bPDS Acquired: 9/25/2013 20:48:32 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF -.60837	k 1.5712	k .34276	k .61773	s -.00398	s .00040	k -.01208	s .01457	k .08601	k .08155
Stddev	.86292	.0077	.00023	.00362	.00641	.00043	.00282	.30331	.00086	.00069
%RSD	141.84	.49329	.06731	.58529	160.86	107.70	23.343	2081.4	.99706	.84824
#1	k .00180	k 1.5767	k .34293	k .62029	s -.00851	s .00071	k -.01009	s -.19990	k .08661	k .08204
#2	s -1.2186	1.5658	k .34260	k .61518	k .00055	k .00010	k -.01408	k .22905	k .08540	k .08106
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-.02000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .08201	sF -.85316	s .01145	sW -.72100	s .02168	^ *****	^ *****	k .08580	s -.10893	sW 10.245
Stddev	.00028	1.2047	.00309	.99364	.02849	-----	-----	.00035	.67443	11.487
%RSD	.34459	141.20	27.025	137.81	131.43	-----	-----	.40956	619.12	112.13
#1	k .08221	k -.00132	s .01364	s -1.4236	s .04182	k 2.4695	k .02446	k .08605	s -.58583	s 18.367
#2	k .08181	s -1.7050	.00926	-.01839	k .00153	^ -----	^ -----	k .08555	.36796	2.1220
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		50.000		100.00						500.00
Low Limit		-.02000		-.50000						11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .08063	kW 3.6705	k .16143	k 46.018	k .16574	k .32738	s -.00070	s -.00149	k .16299	s .00180
Stddev	.00063	.0160	.00217	.299	.00011	.00146	.03610	.07725	.00078	.00145
%RSD	.78158	.43517	1.3415	.65038	.06544	.44617	5177.2	5177.2	.47548	80.476
#1	k .08108	k 3.6818	k .16296	k 46.230	k .16581	k .32841	s -.02622	s -.05612	.16354	s .00078
#2	k .08018	k 3.6592	k .15990	k 45.807	k .16566	k .32635	k .02483	k .05313	k .16245	.00282
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF -2.7537	sF -.71673	k .29452	sF -6.9830	sF -.72045	sF -2.8244	s .01760
Stddev	3.9134	1.0166	.00110	9.8572	1.0228	4.0070	.02082
%RSD	142.11	141.84	.37203	141.16	141.97	141.87	118.30
#1	k .01345	k .00211	k .29529	k -.01287	k .00277	k .00896	s .03233
#2	s -5.5209	s -1.4356	k .29374	s -13.953	s -1.4437	s -5.6578	k .00288
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass
High Limit	50.000	25.000		50.000	50.000	50.000	
Low Limit	-.02000	-.02000		-.10000	-.02000	-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6529.3	^ *****	^ *****
Stddev	40.4	-----	-----
%RSD	.61922	-----	-----
#1	6500.7	80349.	^ -----
#2	6557.9	^ -----	16402.

Sample Name: CCVH-2271055 Acquired: 9/25/2013 20:50:46 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00460**	**49.465**	**.00651**	**.00399**	**.00042**	**-.00004**	**1.0077**	**.01542**	**.00045**	**-.00053**	**-.00066**	**-.00814**	**50.541**
Stddev	.00050	.028	.00175	.00001	.00028	.00007	.0030	.00364	.00004	.00005	.00005	.00028	.149
%RSD	10.876	.05668	26.951	.36730	67.094	166.47	.29559	23.618	8.6480	8.8194	7.6753	3.4052	.29513
#1	-.00424	49.484	.00527	.00398	.00062	-.00009	1.0056	.01285	.00048	-.00050	-.00062	-.00795	50.435
#2	-.00495	49.445	.00775	.00400	.00022	.00001	1.0099	.01800	.00042	-.00056	-.00069	-.00834	50.646
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17218**	**-.00016**	**-.07977**	**-.00057**	**-.00023**	**251.37**	**.00055**	**.00386**	**.00039**	**4.9054**	**.00252**	**-.00281**	**.00900**
Stddev	.01248	.00121	.00243	.00002	.00042	.48	.00040	.00110	.00133	.0047	.00094	.00114	.00358
%RSD	7.2485	740.96	3.0434	3.1622	182.69	.19227	73.155	28.396	340.79	.09660	37.446	40.522	39.718
#1	.16336	.00069	-.07805	-.00059	.00007	251.03	.00084	.00463	.00133	4.9088	.00185	-.00362	.01153
#2	.18101	-.00102	-.08149	-.00056	-.00053	251.71	.00027	.00308	-.00055	4.9021	.00318	-.00201	.00647
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01926**	**.00203**	**.00022**	**4.8560**	**.00851**	**.00198**	**10.138**	**.00007**	**.00071**	**-.04130**
Stddev	.00765	.00013	.00009	.0125	.00030	.00079	.108	.00001	.00008	.00031
%RSD	39.718	6.5799	43.477	.25792	3.5635	39.681	1.0692	9.9851	10.662	.75419
#1	.02467	.00193	.00015	4.8472	.00829	.00254	10.061	.00008	.00066	-.04108
#2	.01385	.00212	.00029	4.8649	.00872	.00143	10.214	.00007	.00077	-.04152
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6798.3**	**86214.**	**8476.6**
Stddev	11.1	540.	29.2
%RSD	.16275	.62593	.34495
#1	6806.1	86595.	8497.3
#2	6790.5	85832.	8455.9

Sample Name: CCV-2271054 Acquired: 9/25/2013 20:53:03 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49704**	**.51176**	**.99253**	**.49714**	**.49563**	**.48307**	**.00237**	**4.9037**	**.49982**	**.50378**	**.49397**	**.50280**	**2.4402**
Stddev	.00094	.00014	.00048	.00125	.00054	.00014	.00494	.0020	.00119	.00012	.00019	.00018	.0092
%RSD	.18936	.02702	.04832	.25240	.10826	.02811	208.52	.04103	.23812	.02327	.03746	.03485	.37659
#1	.49637	.51166	.99219	.49625	.49525	.48298	.00586	4.9052	.49898	.50387	.49384	.50267	2.4466
#2	.49770	.51186	.99287	.49802	.49601	.48317	-.00112	4.9023	.50066	.50370	.49410	.50292	2.4337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.767**	**.97978**	**20.098**	**.49703**	**.50438**	**5.1339**	**.50114**	**1.0035**	**1.0096**	**-.00265**	**.97388**	**.99043**	**4.8509**
Stddev	.025	.00121	.012	.00055	.00015	.0370	.00126	.0040	.0011	.00049	.00569	.00799	.0058
%RSD	.05045	.12355	.06210	.10998	.03066	.71999	.25111	.40001	.10702	18.570	.58432	.80656	.11962
#1	49.749	.98064	20.107	.49742	.50449	5.1601	.50203	1.0063	1.0103	-.00300	.96986	.98478	4.8550
#2	49.784	.97892	20.089	.49664	.50427	5.1078	.50025	1.0007	1.0088	-.00230	.97791	.99608	4.8468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.381**	**1.0127**	**.49066**	**-.00305**	**.49713**	**1.0152**	**-.02899**	**.49360**	**.50328**	**.49426**
Stddev	.012	.0046	.00033	.00030	.00067	.0053	.06121	.00068	.00229	.00041
%RSD	.11962	.45541	.06794	9.7937	.13559	.52393	211.14	.13876	.45528	.08385
#1	10.390	1.0094	.49043	-.00284	.49760	1.0114	-.07227	.49408	.50490	.49397
#2	10.372	1.0159	.49090	-.00326	.49665	1.0190	.01429	.49312	.50166	.49456
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6943.1**	**89232.**	**8543.4**
Stddev	12.2	323.	17.9
%RSD	.17559	.36159	.20910
#1	6934.5	89003.	8556.0
#2	6951.8	89460.	8530.7

Sample Name: CCB Acquired: 9/25/2013 20:55:12 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00100**	**.00054**	**.00247**	**.00036**	**.00019**	**-.00026**	**.00425**	**.00001**	**.00001**	**.00019**	**-.00120**	**.00334**
Stddev	.00033	.00034	.00136	.00052	.00009	.00005	.00045	.00124	.00019	.00005	.00018	.00018	.00092
%RSD	43.396	34.077	252.27	20.995	23.568	28.874	174.26	29.199	1321.8	513.02	94.485	14.620	27.493
#1	.00053	.00076	-.00042	.00284	.00043	.00015	-.00058	.00513	.00015	-.00003	.00032	-.00108	.00269
#2	.00099	.00125	.00151	.00210	.00030	.00022	.00006	.00338	-.00012	.00005	.00006	-.00133	.00399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08277**	**.00170**	**.00242**	**.00001**	**.00044**	**.06669**	**.00015**	**.00019**	**.00020**	**.00980**	F **.01792**	**-.00414**	**.00608**
Stddev	.02778	.00018	.00064	.00009	.00006	.01604	.00002	.00040	.00196	.00153	.00210	.00255	.00824
%RSD	33.559	10.810	26.520	734.85	13.259	24.052	16.200	207.68	965.46	15.603	11.733	61.572	135.44
#1	.06313	.00183	.00287	.00008	.00048	.05535	.00016	-.00009	.00159	.00872	.01643	-.00234	.00026
#2	.10241	.00157	.00196	-.00005	.00040	.07804	.00013	.00048	-.00118	.01088	.01941	-.00594	.01191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01302**	**.00151**	**.00004**	**.00082**	**.00003**	**.00065**	**-.04685**	**.00003**	**.00156**	**-.00118**
Stddev	.01763	.00027	.00007	.00149	.00006	.00104	.04807	.00069	.00025	.00091
%RSD	135.44	17.871	159.18	181.23	199.19	161.31	102.60	1981.8	15.864	76.973
#1	.00055	.00170	-.00001	.00187	.00007	.00138	-.08084	.00052	.00173	-.00182
#2	.02548	.00132	.00010	-.00023	-.00001	-.00009	-.01286	-.00045	.00138	-.00054
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6964.9**	**89475.**	**8435.4**
Stddev	46.9	376.	33.6
%RSD	.67320	.42005	.39784
#1	6998.0	89209.	8411.7
#2	6931.7	89741.	8459.1

Sample Name: CCVL2271034 Acquired: 9/25/2013 20:57:30 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.10872**	**.01349**	**.09880**	**.01004**	**.00096**	**.10779**	**.20833**	**.00493**	**.01061**	**.01036**	**.01460**	**.11268**
Stddev	.00053	.00025	.00683	.00020	.00022	.00000	.00239	.00108	.00019	.00025	.00006	.00034	.00190
%RSD	4.9602	.23189	50.633	.20732	2.1924	.29043	2.2199	.51771	3.8405	2.3934	.61950	2.3255	1.6898
#1	.01108	.10889	.01832	.09895	.00989	.00096	.10948	.20757	.00480	.01079	.01041	.01484	.11133
#2	.01033	.10854	.00866	.09866	.01020	.00096	.10609	.20910	.00506	.01043	.01032	.01436	.11403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1600**	**.01083**	**.21371**	**.01042**	**.02035**	**1.1155**	**.04232**	**2.9468**	**.00854**	**.01345**	**.01281**	F **.00856**	**.49097**
Stddev	.0562	.00270	.00123	.00014	.00003	.0038	.00058	.0060	.00080	.00021	.00187	.00045	.00841
%RSD	1.7792	24.902	.57511	1.3312	.12437	.34070	1.3810	.20305	9.3767	1.5264	14.602	5.2768	1.7122
#1	3.1203	.01274	.21458	.01052	.02033	1.1128	.04191	2.9510	.00910	.01360	.01413	.00888	.49691
#2	3.1998	.00892	.21284	.01032	.02037	1.1182	.04273	2.9425	.00797	.01331	.01148	.00824	.48502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0507**	**.10411**	**.01006**	**.01560**	**.00975**	**.01741**	F **.00604**	**.00963**	**.02233**	**.01543**
Stddev	.0180	.00010	.00019	.00089	.00003	.00024	.02416	.00032	.00012	.00079
%RSD	1.7122	.09940	1.9200	5.6826	.27340	1.3758	399.91	3.2742	.51528	5.1246
#1	1.0634	.10403	.01019	.01623	.00977	.01758	.02313	.00941	.02225	.01487
#2	1.0379	.10418	.00992	.01498	.00973	.01724	-.01104	.00985	.02241	.01599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6806.7**	**88212.**	**8521.6**
Stddev	17.8	287.	14.8
%RSD	.26100	.32485	.17392
#1	6819.3	88415.	8532.1
#2	6794.2	88010.	8511.1

Sample Name: 280-46953-b-10-a Acquired: 9/25/2013 20:59:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00740**	**.00311**	**.20689**	**.17216**	**-.00001**	**.00067**	**73.242**	**.00032**	**.00006**
Stddev	.00101	.00022	.00409	.00019	.00128	.00004	.00123	.528	.00023	.00015
%RSD	283.81	3.0356	131.22	.08965	.74163	403.76	182.54	.72053	71.270	253.25
#1	.00107	.00724	.00600	.20702	.17306	.00002	-.00020	73.615	.00048	-.00005
#2	-.00036	.00756	.00022	.20676	.17126	-.00004	.00154	72.869	.00016	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00061**	**.01894**	**1.4903**	**.01452**	**17.158**	**.00074**	**.00049**	**168.59**	**.00059**
Stddev	.00004	.00011	.00149	.0196	.00124	.020	.00002	.00007	1.70	.00033
%RSD	3.0622	17.227	7.8566	1.3163	8.5163	.11922	2.1267	13.740	1.0063	55.607
#1	.00120	.00069	.01999	1.5041	.01365	17.172	.00073	.00044	169.79	.00036
#2	.00115	.00054	.01789	1.4764	.01540	17.143	.00075	.00054	167.39	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**-.00159**	**14.257**	**-.00179**	W **-.00536**	**12.963**	**27.740**	**.00048**	**.34164**	**-.00082**
Stddev	.00078	.00064	.087	.00169	.00008	.109	.233	.00026	.00233	.00136
%RSD	10.878	40.585	.61302	94.435	1.5619	.84010	.84010	54.416	.68117	167.23
#1	.00775	-.00113	14.319	-.00298	-.00530	13.040	27.905	.00029	.34328	-.00178
#2	.00664	-.00204	14.196	-.00059	-.00542	12.886	27.575	.00066	.33999	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00175**	**-.01811**	**.01374**	**.00365**	**-.00081**
Stddev	.00007	.00094	.00713	.00032	.00021	.00021
%RSD	52.604	53.935	39.371	2.3115	5.7194	25.289
#1	.00008	.00241	-.02315	.01351	.00380	-.00096
#2	.00017	.00108	-.01306	.01396	.00350	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6813.0**	**85665.**	**8223.9**
Stddev	39.2	281.	43.7
%RSD	.57553	.32817	.53146
#1	6785.3	85864.	8193.0
#2	6840.7	85466.	8254.8

Sample Name: 280-46953-b-12-a Acquired: 9/25/2013 21:02:08 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00989**	**.00249**	**.08561**	**.14147**	**-.00008**	**-.00219**	**160.12**	**.00045**	**.00039**
Stddev	.00077	.00002	.00084	.00011	.00058	.00007	.00286	.65	.00004	.00042
%RSD	125.76	.16629	33.495	.12497	.40778	77.948	130.55	.40416	9.4615	107.11
#1	.00007	.00988	.00190	.08569	.14107	-.00004	-.00017	159.67	.00042	.00009
#2	.00115	.00990	.00308	.08553	.14188	-.00013	-.00422	160.58	.00048	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00418**	**.00009**	**.04844**	**1.3210**	**.00903**	**18.692**	**.04786**	**.00080**	**66.293**	**.00561**
Stddev	.00001	.00002	.00064	.0210	.00050	.038	.00015	.00020	.595	.00030
%RSD	.25966	25.574	1.3164	1.5937	5.5378	.20121	.32325	25.019	.89716	5.2966
#1	.00418	.00007	.04799	1.3061	.00867	18.719	.04797	.00066	66.713	.00581
#2	.00419	.00011	.04889	1.3359	.00938	18.666	.04775	.00094	65.872	.00540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**-.00129**	**28.310**	**.00086**	W **-.00896**	**10.280**	**21.999**	**-.00019**	**.40541**	**.00015**
Stddev	.00122	.00026	.091	.00322	.00125	.038	.082	.00006	.00032	.00063
%RSD	15.259	20.364	.32191	373.95	13.989	.37295	.37295	33.202	.07903	424.07
#1	.00714	-.00148	28.374	-.00141	-.00807	10.253	21.941	-.00024	.40518	-.00030
#2	.00887	-.00111	28.245	.00313	-.00984	10.307	22.057	-.00015	.40564	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00172**	**-.02460**	**.00598**	**.00536**	**.00104**
Stddev	.00039	.00107	.02023	.00041	.00065	.00102
%RSD	935.99	62.237	82.237	6.8281	12.168	97.574
#1	.00023	.00247	-.03891	.00569	.00583	.00177
#2	-.00032	.00096	-.01030	.00627	.00490	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6785.0**	**87898.**	**8531.1**
Stddev	12.8	50.	.7
%RSD	.18861	.05634	.00798
#1	6794.0	87933.	8531.6
#2	6775.9	87863.	8530.6

Sample Name: 280-46953-b-21-a Acquired: 9/25/2013 21:04:31 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00410**	**.00371**	**.08557**	**.43818**	**-.00001**	**-.00233**	**124.19**	**.00023**	**.00155**
Stddev	.00001	.00020	.00404	.00074	.00057	.00011	.00023	.08	.00019	.00001
%RSD	5.9568	4.9539	108.99	.86519	.13044	2042.4	9.8558	.06547	81.192	.85554
#1	-.00017	.00396	.00656	.08505	.43778	.00007	-.00216	124.13	.00010	.00154
#2	-.00016	.00425	.00085	.08609	.43859	-.00008	-.00249	124.25	.00036	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00974**	**.00130**	**.76951**	**2.5249**	**.01068**	**32.855**	**.01346**	**.00065**	**88.762**	**.23873**
Stddev	.00003	.00021	.00159	.0006	.00249	.091	.00002	.00008	.206	.00273
%RSD	.32551	16.393	.20714	.02334	23.333	.27595	.15248	12.140	.23168	1.1431
#1	.00972	.00145	.76839	2.5244	.01244	32.919	.01347	.00070	88.908	.23680
#2	.00976	.00115	.77064	2.5253	.00891	32.791	.01344	.00059	88.617	.24066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01062**	**-.00163**	**7.6582**	**-.00038**	W **-.00920**	**14.503**	**31.035**	**.00095**	**.61618**	**.00062**
Stddev	.00183	.00071	.0222	.00011	.00127	.017	.036	.00003	.00018	.00113
%RSD	17.264	43.490	.28920	29.163	13.830	.11452	.11452	3.0060	.02890	182.52
#1	.00932	-.00213	7.6426	-.00046	-.01010	14.491	31.010	.00097	.61606	.00142
#2	.01191	-.00113	7.6739	-.00030	-.00830	14.514	31.061	.00093	.61631	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00196**	**-.04862**	**.00708**	**.00335**	**.00038**
Stddev	.00042	.00107	.02611	.00027	.00028	.00001
%RSD	243.68	54.526	53.698	3.7494	8.4665	1.7421
#1	-.00047	.00271	-.06708	.00726	.00355	.00038
#2	.00013	.00120	-.03016	.00689	.00314	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6805.0**	**87226.**	**8426.5**
Stddev	1.1	187.	81.0
%RSD	.01565	.21454	.96181
#1	6804.3	87359.	8369.2
#2	6805.8	87094.	8483.8

Sample Name: 280-46953-b-23-a Acquired: 9/25/2013 21:06:49 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**1.0147**	**.00269**	**.05696**	**.09048**	**.00010**	**-.00290**	**76.536**	**.00034**	**.00175**
Stddev	.00001	.0003	.00254	.00029	.00020	.00000	.00260	.109	.00015	.00000
%RSD	35.362	.03087	94.327	.50056	.21645	2.4165	89.696	.14258	43.470	.16538
#1	.00003	1.0145	.00090	.05676	.09034	.00010	-.00106	76.613	.00024	.00175
#2	.00002	1.0150	.00449	.05716	.09061	.00010	-.00474	76.459	.00045	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00867**	**.00347**	**.63722**	**4.4953**	**.01272**	**20.099**	**.05747**	**.00116**	**77.021**	**.00520**
Stddev	.00026	.00006	.00219	.0112	.00145	.087	.00014	.00005	.415	.00012
%RSD	3.0114	1.8293	.34312	.24819	11.357	.43501	.23783	4.2823	.53820	2.3920
#1	.00849	.00352	.63568	4.4874	.01375	20.037	.05738	.00120	76.728	.00529
#2	.00885	.00343	.63877	4.5032	.01170	20.161	.05757	.00113	77.314	.00512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17354**	**-.00031**	**25.682**	**.00241**	**-.00306**	**12.249**	**26.212**	**.00058**	**.39322**	**.00006**
Stddev	.00091	.00095	.081	.00175	.00001	.066	.142	.00002	.00052	.00162
%RSD	.52478	304.00	.31505	72.755	.47759	.54280	.54280	3.7972	.13220	2760.3
#1	.17290	.00036	25.625	.00117	-.00307	12.202	26.111	.00060	.39359	-.00109
#2	.17418	-.00098	25.739	.00365	-.00305	12.296	26.313	.00057	.39286	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01609**	**.00093**	**-.00566**	**.01129**	**.04220**	**.00263**
Stddev	.00077	.00121	.00209	.00020	.00029	.00109
%RSD	4.7753	130.27	36.887	1.7800	.68802	41.451
#1	.01663	.00178	-.00714	.01115	.04241	.00186
#2	.01555	.00007	-.00418	.01143	.04199	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6748.7**	**87308.**	**8493.1**
Stddev	45.8	66.	106.3
%RSD	.67873	.07565	1.2521
#1	6716.3	87261.	8568.3
#2	6781.1	87355.	8417.9

Sample Name: 280-46953-I-24-a Acquired: 9/25/2013 21:09:06 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**1.0488**	**-.00021**	**.16906**	**.04617**	**.00005**	**-.00031**	**64.549**	**.00016**	**.00132**
Stddev	.00056	.0010	.00249	.00153	.00019	.00006	.00135	.285	.00011	.00010
%RSD	35.191	.09865	1168.8	.90689	.41356	122.89	440.68	.44076	67.278	7.5455
#1	.00198	1.0495	-.00197	.16797	.04604	.00001	-.00126	64.348	.00009	.00139
#2	.00119	1.0481	.00155	.17014	.04631	.00009	.00065	64.750	.00024	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07889**	**.00272**	**1.0487**	**1.0958**	**.01610**	**16.725**	**.02846**	**.01154**	**193.07**	**.05859**
Stddev	.00030	.00002	.0183	.0158	.00082	.050	.00014	.00001	.50	.00040
%RSD	.37443	.66937	1.7473	1.4385	5.0659	.30180	.48247	.04399	.25639	.69071
#1	.07868	.00271	1.0358	1.0847	.01553	16.761	.02836	.01154	192.72	.05830
#2	.07910	.00274	1.0617	1.1070	.01668	16.689	.02856	.01154	193.42	.05887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02136**	**-.00156**	**35.809**	**-.00063**	**-.00331**	**15.255**	**32.646**	**.00068**	**.38008**	**.00042**
Stddev	.00031	.00123	.012	.00064	.00051	.182	.390	.00026	.00201	.00199
%RSD	1.4679	78.835	.03427	101.33	15.369	1.1946	1.1946	38.549	.52760	470.92
#1	.02159	-.00242	35.818	-.00108	-.00295	15.126	32.370	.00049	.37867	-.00098
#2	.02114	-.00069	35.800	-.00018	-.00367	15.384	32.922	.00087	.38150	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02724**	**-.00031**	**-.04237**	**.01789**	**.00481**	**.00073**
Stddev	.00116	.00014	.00586	.00018	.00013	.00025
%RSD	4.2764	43.821	13.827	1.0228	2.6222	35.027
#1	.02641	-.00021	-.04652	.01802	.00490	.00055
#2	.02806	-.00041	-.03823	.01776	.00472	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6815.7**	**87028.**	**8430.1**
Stddev	18.2	19.	28.2
%RSD	.26773	.02169	.33501
#1	6802.8	87042.	8450.1
#2	6828.6	87015.	8410.2

Sample Name: 280-46953-b-29-a Acquired: 9/25/2013 21:11:21 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00249**	**.00209**	**.06644**	**.21136**	**.00008**	**-.00219**	**88.998**	**.00056**	**.00098**
Stddev	.00010	.00003	.00251	.00008	.00061	.00008	.00348	.214	.00003	.00001
%RSD	17.253	1.1933	120.13	.11961	.29086	103.51	158.70	.24077	5.5754	1.5258
#1	.00063	.00247	.00031	.06650	.21092	.00013	.00027	88.847	.00054	.00097
#2	.00049	.00251	.00386	.06638	.21179	.00002	-.00465	89.150	.00058	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00910**	**.00033**	**.12531**	**2.3138**	**.01096**	**27.964**	**.00199**	**.00089**	**60.189**	**.08706**
Stddev	.00001	.00027	.00031	.0351	.00323	.015	.00001	.00025	.105	.00066
%RSD	.09177	81.069	.24620	1.5153	29.486	.05257	.60354	28.513	.17392	.76034
#1	.00909	.00052	.12510	2.2890	.00867	27.954	.00200	.00071	60.263	.08753
#2	.00910	.00014	.12553	2.3386	.01325	27.974	.00198	.00107	60.115	.08659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**-.00112**	**13.346**	**-.00022**	**-.00034**	**15.810**	**33.834**	**-.00013**	**.48952**	**.00137**
Stddev	.00167	.00035	.007	.00416	.00513	.081	.173	.00055	.00155	.00133
%RSD	38.784	31.459	.05436	1888.9	1487.5	.51145	.51145	412.98	.31639	97.299
#1	.00549	-.00087	13.351	.00272	.00328	15.753	33.711	-.00052	.48842	.00043
#2	.00312	-.00137	13.341	-.00316	-.00397	15.867	33.956	.00026	.49061	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00120**	**-.01825**	**.00936**	**.00301**	**.00150**
Stddev	.00001	.00106	.01673	.00044	.00026	.00081
%RSD	9.8329	88.741	91.667	4.6549	8.5475	54.010
#1	-.00009	.00195	-.00642	.00966	.00283	.00207
#2	-.00008	.00045	-.03008	.00905	.00320	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6840.8**	**88524.**	**8549.6**
Stddev	14.0	343.	36.7
%RSD	.20534	.38733	.42885
#1	6850.7	88767.	8523.7
#2	6830.9	88282.	8575.5

Sample Name: 280-46953-b-32-a Acquired: 9/25/2013 21:13:40 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00321**	**-.00219**	**.10878**	**.09612**	**-.00002**	**-.00491**	**108.82**	**.00039**	**.00027**
Stddev	.00024	.00026	.00073	.00044	.00034	.00003	.00536	.57	.00030	.00011
%RSD	38.039	8.0364	33.182	.40747	.35452	150.73	109.19	.52751	75.624	41.327
#1	.00046	.00303	-.00168	.10846	.09588	-.00004	-.00112	108.41	.00060	.00036
#2	.00079	.00339	-.00270	.10909	.09637	.00000	-.00870	109.23	.00018	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**.00172**	**.02890**	**.82066**	**.01808**	**43.657**	**.00060**	**.00062**	**163.35**	**.00776**
Stddev	.00006	.00003	.00185	.05018	.00081	.039	.00005	.00021	.55	.00008
%RSD	2.2043	1.9435	6.4178	6.1140	4.4524	.08901	8.4185	33.826	.33730	1.0517
#1	.00269	.00169	.02759	.78518	.01751	43.630	.00063	.00077	162.96	.00770
#2	.00261	.00174	.03021	.85614	.01865	43.684	.00056	.00047	163.74	.00781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00166**	**-.00038**	**70.092**	**-.00076**	**.01519**	**13.111**	**28.057**	**.00051**	**.76844**	**-.00035**
Stddev	.00064	.00118	.050	.00278	.00033	.061	.130	.00034	.00378	.00058
%RSD	38.393	310.61	.07074	364.21	2.1753	.46331	.46331	66.029	.49174	163.52
#1	.00121	.00045	70.057	-.00273	.01543	13.068	27.965	.00027	.76577	.00006
#2	.00211	-.00121	70.127	.00120	.01496	13.154	28.149	.00075	.77111	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00127**	**-.02144**	**.01238**	**.00359**	**-.00093**
Stddev	.00017	.00023	.01087	.00035	.00007	.00257
%RSD	76.134	17.803	50.710	2.7990	1.8243	275.23
#1	.00010	.00143	-.02912	.01213	.00355	-.00275
#2	.00034	.00111	-.01375	.01262	.00364	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6847.0**	**88279.**	**8650.7**
Stddev	6.8	312.	51.9
%RSD	.09918	.35394	.59942
#1	6842.2	88500.	8687.4
#2	6851.8	88058.	8614.0

Sample Name: 280-46953-b-44-a Acquired: 9/25/2013 21:15:58 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02008**	**.02957**	**.00040**	**.28726**	**.17532**	**.00007**	**-.00182**	**70.394**	**.00042**	**.00078**
Stddev	.00102	.00070	.00200	.00103	.00022	.00000	.00060	.066	.00001	.00023
%RSD	5.0625	2.3520	505.15	.35711	.12453	2.2481	33.195	.09396	2.2521	29.023
#1	.02080	.02908	-.00102	.28653	.17548	.00007	-.00139	70.441	.00042	.00094
#2	.01936	.03006	.00181	.28799	.17517	.00007	-.00225	70.347	.00043	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.00006**	**.13214**	**.81796**	**.01484**	**30.183**	**.14395**	**.00158**	**80.234**	**.01191**
Stddev	.00027	.00000	.00021	.06029	.00285	.019	.00011	.00019	.486	.00019
%RSD	2.8880	1.7428	.15760	7.3708	19.219	.06174	.07592	12.186	.60539	1.5859
#1	.00910	.00006	.13229	.86059	.01282	30.196	.14403	.00172	79.891	.01178
#2	.00948	.00006	.13200	.77533	.01685	30.170	.14388	.00144	80.577	.01204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01763**	**-.00168**	**4.9166**	**.00056**	W **-.00623**	**12.313**	**26.349**	**.00030**	**.56924**	**.00040**
Stddev	.00036	.00097	.0167	.00219	.00005	.008	.018	.00007	.00070	.00193
%RSD	2.0639	57.441	.34055	389.42	.80544	.06660	.06660	22.170	.12264	478.93
#1	.01737	-.00100	4.9048	-.00099	-.00626	12.307	26.337	.00026	.56973	-.00096
#2	.01788	-.00236	4.9285	.00211	-.00619	12.319	26.362	.00035	.56874	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00205**	**-.00804**	**.01372**	**.00707**	**-.00060**
Stddev	.00006	.00180	.00390	.00031	.00020	.00185
%RSD	55.298	87.711	48.549	2.2818	2.7837	309.88
#1	.00015	.00078	-.01080	.01350	.00693	.00071
#2	.00007	.00332	-.00528	.01394	.00721	-.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7016.5**	**90647.**	**8816.9**
Stddev	4.9	645.	25.5
%RSD	.06927	.71170	.28957
#1	7013.0	90190.	8798.9
#2	7019.9	91103.	8835.0

Sample Name: CCVH-2271055 Acquired: 9/25/2013 21:18:16 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00417**	**48.634**	**.00585**	**.00273**	**.00039**	**-.00005**	**.98930**	**.03641**	**.00032**	**-.00053**	**-.00072**	**-.00712**	**49.005**
Stddev	.00016	.069	.00208	.00000	.00008	.00002	.00498	.00386	.00007	.00008	.00003	.00060	.024
%RSD	3.9215	.14110	35.604	.00208	21.347	49.228	.50385	10.613	21.313	15.854	3.9087	8.3721	.04876
#1	-.00406	48.683	.00732	.00273	.00033	-.00006	.98577	.03914	.00028	-.00047	-.00074	-.00669	48.988
#2	-.00429	48.586	.00438	.00273	.00045	-.00003	.99282	.03368	.00037	-.00059	-.00070	-.00754	49.022
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07694**	**.00134**	**-.07649**	**-.00058**	**-.00015**	**249.44**	**.00033**	**.00405**	**-.00009**	**4.8667**	**-.00010**	**-.00886**	**-.00646**
Stddev	.04512	.00121	.00246	.00003	.00048	.50	.00028	.00189	.00021	.0176	.00043	.00097	.01350
%RSD	58.646	90.532	3.2154	4.3649	327.54	.19936	84.459	46.700	239.10	.36067	416.50	10.961	208.95
#1	.10885	.00048	-.07475	-.00056	-.00049	249.09	.00053	.00539	-.00024	4.8543	.00020	-.00818	.00309
#2	.04503	.00219	-.07823	-.00060	.00019	249.79	.00013	.00271	.00006	4.8791	-.00041	-.00955	-.01601
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01383**	**.00164**	**.00047**	**4.7738**	**.00769**	**.00234**	**9.9362**	**-.00009**	**.00053**	**-.03975**
Stddev	.02889	.00021	.00015	.0006	.00026	.00021	.0016	.00016	.00020	.00265
%RSD	208.95	13.131	30.703	.01299	3.3592	8.9544	.01645	171.52	37.844	6.6650
#1	.00660	.00179	.00058	4.7733	.00751	.00219	9.9374	.00002	.00067	-.04162
#2	-.03426	.00148	.00037	4.7742	.00787	.00249	9.9350	-.00020	.00039	-.03787
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7046.8**	**89916.**	**8911.9**
Stddev	52.2	2.	31.9
%RSD	.74109	.00212	.35832
#1	7009.8	89918.	8889.3
#2	7083.7	89915.	8934.5

Sample Name: CCV-2271054 Acquired: 9/25/2013 21:20:38 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49355**	**.50223**	**.98307**	**.49359**	**.49160**	**.48032**	**.00067**	**4.8746**	**.49601**	**.49679**	**.49060**	**.49559**	**2.4287**
Stddev	.00117	.00158	.00272	.00132	.00092	.00071	.00051	.0090	.00092	.00013	.00118	.00043	.0069
%RSD	.23682	.31536	.27661	.26748	.18681	.14852	76.746	.18388	.18491	.02536	.24135	.08648	.28391
#1	.49438	.50335	.98115	.49266	.49225	.48083	.00103	4.8809	.49536	.49688	.48977	.49528	2.4335
#2	.49272	.50111	.98499	.49453	.49095	.47982	.00031	4.8682	.49665	.49670	.49144	.49589	2.4238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.319**	**.97274**	**19.654**	**.49049**	**.49738**	**5.0916**	**.49488**	**.98854**	**1.0027**	**-.00042**	**.96497**	**.98752**	**4.8294**
Stddev	.190	.00207	.035	.00003	.00092	.0423	.00024	.00225	.0014	.00138	.00275	.01105	.0319
%RSD	.38556	.21284	.17562	.00658	.18555	.83031	.04919	.22800	.13740	326.13	.28502	1.1188	.66060
#1	49.454	.97420	19.629	.49047	.49673	5.1215	.49471	.98694	1.0017	-.00140	.96691	.97970	4.8068
#2	49.185	.97128	19.678	.49051	.49803	5.0617	.49506	.99013	1.0037	.00055	.96302	.99533	4.8520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.335**	**.99145**	**.48797**	**-.00322**	**.48916**	**1.0031**	**-.00923**	**.48898**	**.49153**	**.48860**
Stddev	.068	.00107	.00073	.00073	.00152	.0019	.01074	.00108	.00050	.00185
%RSD	.66060	.10792	.15044	22.695	.31163	.18872	116.39	.22018	.10170	.37773
#1	10.287	.99069	.48849	-.00271	.48808	1.0045	-.01683	.48822	.49118	.48730
#2	10.383	.99220	.48745	-.00374	.49024	1.0018	-.00163	.48974	.49188	.48991
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7252.4**	**92474.**	**9036.1**
Stddev	3.6	138.	16.4
%RSD	.04896	.14911	.18197
#1	7255.0	92376.	9047.7
#2	7249.9	92571.	9024.5

Sample Name: CCB Acquired: 9/25/2013 21:22:44 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00145**	**-.00206**	**.00112**	**-.00027**	**.00012**	**.00102**	**.00557**	**-.00006**	**.00018**	**.00016**	**-.00091**	**.00552**
Stddev	.00083	.00007	.00028	.00076	.00016	.00015	.00043	.00190	.00019	.00007	.00006	.00017	.00173
%RSD	297.47	4.7702	13.521	67.583	58.007	119.79	41.514	34.097	298.72	39.794	39.273	19.153	31.321
#1	-.00031	.00140	-.00187	.00058	-.00016	.00023	.00072	.00423	-.00020	.00013	.00021	-.00103	.00675
#2	.00087	.00150	-.00226	.00165	-.00038	.00002	.00133	.00692	.00007	.00023	.00012	-.00078	.00430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03708**	**-.00028**	**.00424**	**.00000**	**.00066**	**.04283**	**.00009**	**-.00142**	**-.00064**	**.01074**	F **.01682**	**-.00452**	**.00458**
Stddev	.06982	.00074	.00099	.0000	.00046	.00111	.00022	.00100	.00073	.00525	.00391	.00174	.00617
%RSD	188.32	263.64	23.362	766.99	69.291	2.5883	238.09	70.673	113.61	48.816	23.236	38.483	134.74
#1	.08645	.00024	.00494	-.00001	.00034	.04205	-.00006	-.00213	-.00013	.00704	.01405	-.00329	.00022
#2	-.01230	-.00081	.00354	.00001	.00099	.04361	.00025	-.00071	-.00116	.01445	.01958	-.00575	.00894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00980**	**.00056**	**.00011**	**.00024**	**.00026**	**.00115**	**-.03103**	**-.00006**	**.00138**	**-.00093**
Stddev	.01320	.00002	.00002	.00090	.00001	.00104	.02833	.00017	.00015	.00169
%RSD	134.74	4.1266	19.610	370.97	5.5133	91.019	91.300	285.40	11.116	182.18
#1	.00046	.00054	.00012	.00088	.00027	.00189	-.05106	.00006	.00127	.00027
#2	.01914	.00058	.00009	-.00039	.00025	.00041	-.01100	-.00018	.00149	-.00212
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7042.7**	**92336.**	**8772.6**
Stddev	16.3	659.	45.2
%RSD	.23119	.71347	.51515
#1	7054.2	92802.	8740.6
#2	7031.1	91870.	8804.5

Sample Name: CCVL2271034 Acquired: 9/25/2013 21:25:03 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.10678**	**.01594**	**.09844**	**.00971**	**.00099**	**.11041**	**.20249**	**.00519**	**.01063**	**.01039**	**.01492**	**.10131**
Stddev	.00021	.00019	.00199	.00023	.00015	.00008	.00274	.00144	.00006	.00011	.00009	.00008	.00164
%RSD	2.0413	.17894	12.457	.23817	1.5464	7.9044	2.4792	.71037	1.2316	1.0079	.87056	.54579	1.6221
#1	.01007	.10664	.01454	.09860	.00960	.00093	.11235	.20350	.00523	.01056	.01033	.01497	.10015
#2	.01036	.10691	.01734	.09827	.00982	.00104	.10848	.20147	.00514	.01071	.01045	.01486	.10247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0887**	**.01177**	**.20744**	**.01019**	**.01993**	**1.1076**	**.04193**	**2.9110**	**.00955**	**.01183**	F **.01340**	F **.00734**	**.47897**
Stddev	.0211	.00272	.00081	.00010	.00006	.0167	.00005	.0112	.00053	.00448	.00378	.00237	.01328
%RSD	.68195	23.126	.39006	.96666	.30294	1.5036	.11730	.38357	5.5031	37.832	28.239	32.315	2.7725
#1	3.1036	.01370	.20687	.01012	.01988	1.1194	.04197	2.9031	.00918	.01500	.01607	.00902	.46958
#2	3.0738	.00985	.20801	.01026	.01997	1.0959	.04190	2.9189	.00992	.00867	.01072	.00566	.48836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0250**	**.10252**	**.00992**	**.01347**	**.00963**	**.01829**	F **.00844**	**.01010**	**.02155**	**.01459**
Stddev	.0284	.00168	.00003	.00036	.00020	.00192	.01984	.00024	.00025	.00059
%RSD	2.7725	1.6405	.29370	2.6446	2.0291	10.522	235.11	2.3855	1.1769	4.0121
#1	1.0049	.10133	.00994	.01322	.00949	.01693	.02247	.01027	.02137	.01500
#2	1.0451	.10371	.00990	.01372	.00977	.01965	-.00559	.00993	.02173	.01418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6984.7**	**90872.**	**8640.8**
Stddev	19.4	434.	121.6
%RSD	.27827	.47810	1.4070
#1	6970.9	91179.	8726.8
#2	6998.4	90565.	8554.9

Sample Name: mb 280-192818/1-a Acquired: 9/25/2013 21:27:22 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00338**	**-.00009**	**.00085**	**-.00036**	**.00006**	**-.00314**	**.00975**	**-.00015**	**.00006**
Stddev	.00060	.00017	.00303	.00015	.00040	.00007	.00192	.00033	.00004	.00010
%RSD	164.92	5.0229	3541.8	17.397	111.38	111.98	61.282	3.4303	28.164	164.42
#1	.00006	.00326	.00206	.00074	-.00008	.00001	-.00178	.00951	-.00012	-.00001
#2	-.00079	.00350	-.00223	.00095	-.00064	.00011	-.00450	.00998	-.00018	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00074**	**.01042**	**.01995**	**.00151**	**.00352**	**.00032**	**.00001**	**.05234**	**.00028**
Stddev	.00020	.00024	.00219	.00053	.00145	.00069	.00002	.00026	.00963	.00012
%RSD	601.11	32.194	21.017	2.6728	96.180	19.531	6.7936	3522.0	18.401	41.425
#1	.00017	-.00091	.01197	.02033	.00048	.00304	.00034	-.00017	.05915	.00037
#2	-.00011	-.00057	.00888	.01957	.00253	.00401	.00031	.00019	.04553	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00032**	**.00907**	**-.00080**	**-.00533**	**.00187**	**.00401**	**.00045**	**-.00006**	**.00172**
Stddev	.00199	.00037	.00011	.00099	.00066	.00023	.00049	.00011	.00011	.00064
%RSD	347.92	112.78	1.2672	122.86	12.304	12.293	12.293	23.747	176.23	37.480
#1	-.00083	-.00007	.00899	-.00011	-.00580	.00204	.00436	.00053	.00002	.00126
#2	.00198	-.00058	.00916	-.00150	-.00487	.00171	.00366	.00037	-.00014	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00048**	**-.04466**	**-.00017**	**.00316**	**.00038**
Stddev	.00010	.00099	.03387	.00003	.00001	.00167
%RSD	130.56	207.84	75.832	19.718	.33850	438.19
#1	.00014	.00117	-.06861	-.00015	.00317	.00156
#2	.00001	-.00022	-.02071	-.00019	.00315	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7222.8**	**95265.**	**8991.6**
Stddev	50.2	735.	49.8
%RSD	.69538	.77103	.55382
#1	7258.4	95784.	8956.4
#2	7187.3	94746.	9026.8

Sample Name: lcs 280-192818/2-a Acquired: 9/25/2013 21:29:40 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04730**	**1.9370**	**1.0209**	**1.0046**	**2.0203**	**.04940**	**2.0573**	**49.238**	**.10273**	**.49261**
Stddev	.00130	.0045	.0010	.0002	.0007	.00005	.0049	.015	.00028	.00072
%RSD	2.7392	.23401	.09989	.02272	.03519	.09464	.23583	.02951	.27469	.14574
#1	.04822	1.9337	1.0202	1.0044	2.0198	.04943	2.0539	49.227	.10253	.49210
#2	.04638	1.9402	1.0217	1.0047	2.0208	.04936	2.0608	49.248	.10293	.49311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20136**	**.25075**	**.98205**	**50.719**	**.99113**	**49.613**	**.49602**	**1.0072**	**51.465**	**.49606**
Stddev	.00001	.00098	.00226	.007	.00268	.311	.00183	.0031	.416	.00006
%RSD	.00395	.38906	.22989	.01428	.27015	.62587	.36927	.30329	.80852	.01230
#1	.20136	.25144	.98045	50.724	.99302	49.832	.49731	1.0050	51.760	.49611
#2	.20137	.25006	.98364	50.714	.98923	49.393	.49472	1.0093	51.171	.49602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.183**	**.50009**	**-.00229**	**.49411**	**2.0023**	**9.7966**	**20.965**	**1.9874**	**.99879**	**.96175**
Stddev	.002	.00183	.00124	.00080	.0050	.0697	.149	.0047	.00073	.00475
%RSD	.02445	.36690	53.975	.16151	.24790	.71187	.71187	.23733	.07306	.49406
#1	10.181	.50139	-.00142	.49467	1.9988	9.7473	20.859	1.9908	.99828	.96511
#2	10.185	.49879	-.00317	.49354	2.0058	9.8459	21.070	1.9841	.99931	.95839
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0038**	**1.9699**	**2.0712**	**.50527**	**.49390**	**.48916**
Stddev	.0020	.0073	.0071	.00010	.00375	.00116
%RSD	.20298	.36995	.34152	.01945	.76022	.23678
#1	1.0052	1.9751	2.0762	.50534	.49655	.48998
#2	1.0024	1.9648	2.0662	.50520	.49124	.48834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.0**	**90577.**	**8801.2**
Stddev	23.8	363.	19.6
%RSD	.34226	.40119	.22276
#1	6933.2	90320.	8787.4
#2	6966.9	90834.	8815.1

Sample Name: 280-46968-c-4-a Acquired: 9/25/2013 21:31:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.14383**	**.08158**	**.05022**	**.03941**	**.00027**	**.00123**	**431.90**	**.00088**	**.00036**
Stddev	.00026	.00006	.00070	.00015	.00004	.00001	.00022	.12	.00016	.00031
%RSD	112.22	.04408	.86309	.29745	.10495	2.0746	17.828	.02688	17.932	85.640
#1	.00041	.14387	.08108	.05011	.03938	.00028	.00138	431.81	.00077	.00058
#2	.00005	.14378	.08208	.05033	.03944	.00027	.00107	431.98	.00099	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02193**	**.00084**	**34.474**	**.68199**	**-.00419**	**20.131**	**.14205**	**.03920**	**36.769**	**.01098**
Stddev	.00016	.00020	.023	.05946	.00083	.023	.00041	.00021	.025	.00073
%RSD	.73690	24.239	.06675	8.7180	19.836	.11567	.28743	.52530	.06914	6.6442
#1	.02205	.00070	34.458	.63995	-.00361	20.114	.14177	.03934	36.787	.01150
#2	.02182	.00099	34.491	.72403	-.00478	20.147	.14234	.03905	36.751	.01047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3095**	**.00202**	**18.122**	**.00353**	W **-.00739**	**7.4763**	**15.999**	**.00110**	**2.4921**	**-.00175**
Stddev	.0040	.00029	.003	.00122	.00141	.0691	.148	.00033	.0002	.00106
%RSD	.30826	14.253	.01602	34.588	19.022	.92470	.92470	29.701	.00939	60.299
#1	1.3123	.00182	18.124	.00439	-.00640	7.4274	15.895	.00087	2.4922	-.00101
#2	1.3066	.00223	18.120	.00266	-.00839	7.5252	16.104	.00133	2.4919	-.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00480**	**.00212**	**-.01673**	**.13654**	**.01981**	**.00745**
Stddev	.00009	.00141	.06088	.00028	.00007	.00102
%RSD	1.8526	66.413	363.95	.20459	.32817	13.704
#1	.00474	.00311	-.05978	.13634	.01986	.00673
#2	.00486	.00112	.02632	.13674	.01976	.00817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6949.4**	**88641.**	**9056.3**
Stddev	7.3	342.	90.6
%RSD	.10510	.38625	1.0005
#1	6944.2	88399.	9120.4
#2	6954.5	88883.	8992.3

Sample Name: 280-46968-c-4-aSD@5 Acquired: 9/25/2013 21:34:10 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.05268**	**.01346**	**.01324**	**.00775**	**.00007**	**-.00012**	**90.115**	**.00006**	**.00031**
Stddev	.00004	.00035	.00232	.00081	.00054	.00006	.00237	.938	.00001	.00004
%RSD	14.273	.65705	17.243	6.0949	6.9074	91.787	1912.0	1.0410	11.544	12.366
#1	.00026	.05292	.01182	.01267	.00812	.00002	.00155	90.778	.00005	.00028
#2	.00032	.05243	.01511	.01381	.00737	.00011	-.00180	89.451	.00006	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**-.00001**	**7.1125**	**.19776**	**-.00114**	**4.2151**	**.02934**	**.00772**	**7.2825**	**.00229**
Stddev	.00010	.00047	.0606	.04218	.00324	.0048	.00013	.00018	.0410	.00032
%RSD	2.1443	3348.9	.85243	21.329	283.46	.11367	.45049	2.3060	.56320	13.863
#1	.00458	-.00035	7.1554	.22758	-.00344	4.2117	.02924	.00760	7.3115	.00206
#2	.00444	.00032	7.0696	.16793	.00115	4.2185	.02943	.00785	7.2535	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25798**	**.00012**	**3.6090**	**-.00166**	W **-.00707**	**1.5052**	**3.2211**	**.00020**	**.50201**	**.00022**
Stddev	.00059	.00055	.0075	.00161	.00322	.0171	.0365	.00091	.00513	.00008
%RSD	.22899	455.40	.20631	97.017	45.592	1.1343	1.1343	445.15	1.0210	33.634
#1	.25756	.00051	3.6142	-.00280	-.00935	1.5173	3.2470	-.00044	.50563	.00017
#2	.25840	-.00027	3.6037	-.00052	-.00479	1.4931	3.1953	.00084	.49839	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00231**	**-.00958**	**.02746**	**.00813**	**.00106**
Stddev	.00018	.00028	.02836	.00010	.00060	.00172
%RSD	21.146	11.897	295.87	.35786	7.4331	161.46
#1	.00073	.00212	.01047	.02753	.00770	-.00015
#2	.00098	.00251	-.02964	.02739	.00856	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.3**	**92643.**	**8790.0**
Stddev	16.6	751.	169.9
%RSD	.23370	.81072	1.9328
#1	7112.0	93175.	8669.9
#2	7088.5	92112.	8910.2

Sample Name: 280-46968-c-4-b ms Acquired: 9/25/2013 21:36:30 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04876	1.9721	1.1102	1.0344	2.0451	.04975	F 2.0157	462.35	.10364	.47482
Stddev	.00062	.0067	.0050	.0021	.0039	.00017	.0055	2.11	.00003	.00024
%RSD	1.2648	.33985	.44592	.20225	.19254	.33933	.27080	.45745	.02652	.04959
#1	.04920	1.9674	1.1067	1.0330	2.0423	.04963	2.0118	460.86	.10362	.47465
#2	.04832	1.9768	1.1137	1.0359	2.0479	.04987	2.0196	463.85	.10366	.47498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21716	.25638	34.982	51.935	.99467	66.784	.62247	1.0239	87.387	.48532
Stddev	.00059	.00041	.034	.085	.00276	.074	.00060	.0016	.503	.00038
%RSD	.27225	.16183	.09673	.16429	.27727	.11033	.09601	.15942	.57583	.07736
#1	.21674	.25668	34.958	51.874	.99272	66.836	.62204	1.0227	87.743	.48506
#2	.21758	.25609	35.006	51.995	.99662	66.732	.62289	1.0251	87.031	.48559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.787	.47161	18.826	.49723	.80003	17.142	36.685	1.8841	3.4441	.95615
Stddev	.001	.00045	.038	.00075	.00669	.003	.006	.0004	.0014	.00056
%RSD	.00429	.09478	.19978	.15129	.83622	.01558	.01558	.02333	.04030	.05850
#1	11.787	.47193	18.800	.49669	.80476	17.141	36.681	1.8838	3.4431	.95575
#2	11.786	.47130	18.853	.49776	.79530	17.144	36.689	1.8844	3.4451	.95654
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0061	1.8017	2.0131	.63764	.48094	.49422
Stddev	.0021	.0001	.0220	.00358	.00038	.00153
%RSD	.21039	.00394	1.0938	.56211	.07919	.30998
#1	1.0046	1.8017	1.9975	.63510	.48121	.49313
#2	1.0076	1.8018	2.0287	.64017	.48067	.49530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6985.0	89701.	9280.2
Stddev	6.7	235.	9.1
%RSD	.09534	.26180	.09843
#1	6989.7	89867.	9286.7
#2	6980.2	89534.	9273.8

Sample Name: 280-46968-c-4-c msd Acquired: 9/25/2013 21:38:41 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04886**	**1.9678**	**1.1144**	**1.0359**	**2.0381**	**.04976**	F **2.0201**	**463.02**	**.10354**	**.47330**
Stddev	.00009	.0000	.0062	.0005	.0033	.00020	.0015	10.41	.00011	.00094
%RSD	.18622	.00158	.55389	.04606	.16184	.40392	.07232	2.2475	.10570	.19820
#1	.04893	1.9679	1.1100	1.0363	2.0358	.04962	2.0211	470.38	.10346	.47397
#2	.04880	1.9678	1.1188	1.0356	2.0405	.04990	2.0190	455.66	.10362	.47264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21688**	**.25569**	**34.672**	**51.953**	**.99318**	**66.467**	**.61827**	**1.0221**	**86.960**	**.48375**
Stddev	.00037	.00003	.020	.125	.00619	.159	.00118	.0001	.783	.00019
%RSD	.17283	.01308	.05722	.23968	.62338	.23897	.19081	.00973	.90004	.03952
#1	.21662	.25571	34.658	51.865	.98880	66.354	.61743	1.0222	86.406	.48388
#2	.21715	.25567	34.686	52.041	.99756	66.579	.61910	1.0220	87.513	.48361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.742**	**.47196**	**18.811**	**.49755**	**.78979**	**17.214**	**36.837**	**1.8834**	**3.4168**	**.95398**
Stddev	.020	.00132	.035	.00314	.00855	.080	.171	.0072	.0088	.00483
%RSD	.16753	.27989	.18708	.63208	1.0823	.46295	.46295	.38210	.25617	.50624
#1	11.756	.47290	18.836	.49977	.79584	17.157	36.717	1.8885	3.4106	.95057
#2	11.728	.47103	18.786	.49532	.78375	17.270	36.958	1.8783	3.4230	.95740
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0036**	**1.8041**	**1.9994**	**.63508**	**.48071**	**.49931**
Stddev	.0001	.0085	.0016	.00070	.00022	.00066
%RSD	.01129	.46989	.07894	.10966	.04651	.13314
#1	1.0035	1.8101	2.0005	.63459	.48056	.49978
#2	1.0036	1.7981	1.9982	.63557	.48087	.49884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.9**	**89269.**	**9153.2**
Stddev	9.4	202.	9.2
%RSD	.13390	.22618	.10065
#1	6996.5	89412.	9146.7
#2	6983.3	89126.	9159.7

Sample Name: 280-46918-a-2-a Acquired: 9/25/2013 21:40:52 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.06285**	**.00155**	**.04294**	**.14305**	**.00000**	**-.00340**	**94.365**	**.00051**	**.00031**
Stddev	.00039	.00136	.00115	.00058	.00012	.0001	.00279	.364	.00013	.00006
%RSD	147.65	2.1583	74.474	1.3489	.08110	1345.3	82.160	.38590	26.075	20.577
#1	-.00001	.06381	.00236	.04335	.14297	-.00005	-.00142	94.108	.00042	.00036
#2	.00054	.06189	.00073	.04253	.14314	.00004	-.00537	94.623	.00060	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.01041**	**.94516**	**8.8431**	**.00405**	**40.208**	**.15255**	**.02317**	**102.03**	**.00650**
Stddev	.00010	.00005	.00952	.0261	.00128	.071	.00001	.00004	.22	.00005
%RSD	8.5620	.43926	1.0076	.29514	31.701	.17765	.00924	.19078	.21361	.70493
#1	.00107	.01044	.93843	8.8616	.00314	40.158	.15256	.02320	101.88	.00647
#2	.00120	.01038	.95190	8.8247	.00495	40.259	.15254	.02314	102.18	.00653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00821**	**.00108**	**12.498**	**-.00119**	**-.00339**	**7.9870**	**17.092**	**.00104**	**2.8280**	**-.00101**
Stddev	.00053	.00066	.000	.00036	.00191	.0716	.153	.00002	.0052	.00157
%RSD	6.4370	61.364	.00271	30.169	56.187	.89645	.89645	2.0401	.18326	155.32
#1	.00858	.00061	12.498	-.00145	-.00474	7.9364	16.984	.00106	2.8244	.00010
#2	.00783	.00155	12.498	-.00094	-.00205	8.0376	17.201	.00103	2.8317	-.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.00184**	**.00776**	**.00047**	**.06373**	**.00042**
Stddev	.00005	.00050	.01580	.00055	.00034	.00050
%RSD	2.7687	27.099	203.51	116.50	.53898	119.76
#1	.00173	.00149	-.00341	.00008	.06398	.00077
#2	.00180	.00220	.01894	.00086	.06349	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6939.8**	**91054.**	**8992.8**
Stddev	11.0	245.	4.3
%RSD	.15862	.26932	.04834
#1	6947.6	91228.	8989.7
#2	6932.0	90881.	8995.9

Sample Name: 280-46918-a-4-a Acquired: 9/25/2013 21:43:10 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00030**	k **.27285**	k **.00321**	k **.05036**	**.42586**	k **.00031**	k **.01109**	**151.04**	k **.00084**	k **.00014**
Stddev	.00011	.00083	.00279	.00013	.00130	.00001	.00029	.50	.00016	.00017
%RSD	35.887	.30318	87.122	.26592	.30551	2.0454	2.6508	.32885	19.214	121.92
#1	k .00022	k .27226	k .00123	k .05046	.42678	k .00031	k .01088	151.39	k .00096	k .00002
#2	k .00037	k .27343	k .00518	k .05027	.42494	k .00031	k .01130	150.68	k .00073	k .00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01430**	k **.03518**	k **40.716**	**5.4418**	k **.00877**	k **50.827**	k **.21300**	k **.00283**	**193.66**	k **.00299**
Stddev	.00003	.00038	.028	.0267	.00095	.022	.00009	.00021	.20	.00032
%RSD	.22162	1.0661	.06819	.48972	10.860	.04391	.04276	7.3309	.10221	10.768
#1	k .01428	k .03492	k 40.735	5.4606	k .00945	k 50.843	k .21294	k .00269	193.80	k .00276
#2	k .01432	k .03545	k 40.696	5.4229	k .00810	k 50.811	k .21307	k .00298	193.52	k .00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.65149**	k **.00412**	k **18.643**	k **.00288**	k **.00252**	k **11.170**	k **23.905**	k **.00069**	**2.9566**	k **.03309**
Stddev	.00009	.00026	.011	.00151	.00220	.001	.002	.00043	.0087	.00077
%RSD	.01347	6.3616	.05850	52.565	87.077	.00793	.00793	62.110	.29371	2.3168
#1	k .65155	k .00430	k 18.651	k .00395	k .00097	k 11.170	k 23.903	k .00039	2.9628	k .03255
#2	k .65143	k .00393	k 18.636	k .00181	k .00408	k 11.171	k 23.906	k .00099	2.9505	k .03363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00916**	k **.00036**	k **.00643**	k **.01642**	k **.07486**	k **.00060**
Stddev	.00035	.00018	.04714	.00002	.00034	.00124
%RSD	3.8432	49.613	733.53	.11503	.45961	207.82
#1	k .00941	k .00048	k -.02691	k .01641	k .07511	k .00147
#2	k .00891	k .00023	k .03976	k .01644	k .07462	k -.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.7**	**89359.**	**8986.9**
Stddev	16.0	126.	49.4
%RSD	.23088	.14100	.54935
#1	6962.0	89448.	8952.0
#2	6939.3	89270.	9021.8

Sample Name: 280-46918-a-5-a Acquired: 9/25/2013 21:45:27 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.81484**	**-.00139**	**.05397**	**.51341**	**.00004**	**-.00256**	**215.55**	**.00067**	**-.00033**
Stddev	.00002	.00696	.00038	.00047	.00254	.00013	.00165	.13	.00008	.00014
%RSD	2.9042	.85414	27.428	.86698	.49431	332.41	64.497	.05946	11.506	42.850
#1	-.00051	.80992	-.00166	.05364	.51162	-.00005	-.00139	215.64	.00073	-.00043
#2	-.00053	.81976	-.00112	.05430	.51521	.00013	-.00372	215.46	.00062	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**.00816**	**.50278**	**4.9336**	**.01298**	**51.673**	**.02826**	**.00341**	W **718.14**	**.00182**
Stddev	.00006	.00026	.00579	.0074	.00374	.045	.00002	.00032	3.43	.00049
%RSD	.75167	3.1424	1.1511	.14965	28.810	.08675	.08403	9.4882	.47783	27.008
#1	.00798	.00835	.50687	4.9284	.01034	51.641	.02828	.00364	715.72	.00147
#2	.00789	.00798	.49868	4.9388	.01562	51.705	.02824	.00318	720.57	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10277**	**.00012**	**21.480**	**-.00107**	F **-.01061**	**10.814**	**23.143**	**.00008**	**2.9082**	**-.00079**
Stddev	.00177	.00036	.052	.00123	.00113	.021	.045	.00037	.0135	.00055
%RSD	1.7239	299.71	.24405	115.29	10.694	.19547	.19547	481.70	.46366	69.386
#1	.10151	.00038	21.517	-.00194	-.01141	10.829	23.175	-.00018	2.8987	-.00040
#2	.10402	-.00014	21.443	-.00020	-.00981	10.799	23.111	.00033	2.9177	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02289**	**.00080**	**-.03178**	**.00406**	**.02074**	**.00155**
Stddev	.00060	.00075	.02146	.00013	.00018	.00120
%RSD	2.6406	93.756	67.514	3.2629	.88657	77.488
#1	.02332	.00133	-.04695	.00415	.02061	.00239
#2	.02247	.00027	-.01661	.00397	.02087	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6622.8**	**85240.**	**8958.8**
Stddev	30.4	282.	5.0
%RSD	.45843	.33140	.05588
#1	6644.2	85040.	8955.3
#2	6601.3	85439.	8962.3

Sample Name: CCVH-2271055 Acquired: 9/25/2013 21:47:56 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00374**	**48.364**	**.00165**	**.00293**	**.00005**	**-.00006**	**.98547**	**.07819**	**.00054**	**-.00061**	**-.00070**	**-.00738**	**48.947**
Stddev	.00030	.209	.00348	.00024	.00007	.00001	.00403	.01093	.00003	.00001	.00004	.00001	.133
%RSD	8.0548	.43214	210.43	8.2224	131.47	19.355	.40927	13.979	4.8165	1.5372	5.7890	.17408	.27203
#1	-.00395	48.512	-.00081	.00311	.00011	-.00007	.98262	.08592	.00052	-.00061	-.00067	-.00737	48.853
#2	-.00353	48.217	.00411	.00276	.00000	-.00006	.98833	.07047	.00056	-.00060	-.00072	-.00739	49.041
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08828**	**.00323**	**-.07054**	**-.00054**	**-.00042**	**248.91**	**-.00009**	**.00228**	**.00165**	**4.8359**	**-.00086**	**-.00622**	**-.00800**
Stddev	.05046	.00143	.00137	.00000	.00006	.79	.00003	.00140	.00075	.0125	.00142	.00013	.01191
%RSD	57.163	44.334	1.9443	.41678	14.565	.31612	36.389	61.649	45.335	.25807	164.44	2.1332	148.85
#1	.12396	.00222	-.07151	-.00054	-.00047	249.47	-.00011	.00327	.00219	4.8271	-.00187	-.00632	.00042
#2	.05260	.00425	-.06957	-.00054	-.00038	248.35	-.00007	.00129	.00112	4.8448	.00014	-.00613	-.01643
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01713**	**.00142**	**.00128**	**4.7817**	**.00759**	**.00172**	**9.9715**	**.00016**	**.00122**	**-.03616**
Stddev	.02549	.00048	.00022	.0112	.00066	.00097	.0147	.00014	.00036	.00087
%RSD	148.85	34.070	17.403	.23469	8.6522	56.622	.14695	83.732	29.503	2.3929
#1	.00090	.00108	.00143	4.7738	.00805	.00241	9.9611	.00026	.00096	-.03677
#2	-.03515	.00176	.00112	4.7897	.00712	.00103	9.9819	.00007	.00147	-.03555
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6928.4**	**89222.**	**9019.2**
Stddev	32.5	966.	82.7
%RSD	.46879	1.0824	.91697
#1	6951.4	89905.	8960.7
#2	6905.5	88539.	9077.7

Sample Name: CCV-2271054 Acquired: 9/25/2013 21:50:17 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49470**	**.50191**	**.98352**	**.49642**	**.48821**	**.48035**	**.00378**	**4.8729**	**.49613**	**.49494**	**.49217**	**.49790**	**2.4192**
Stddev	.00056	.00192	.00337	.00044	.00089	.00005	.00017	.0027	.00107	.00087	.00172	.00121	.0065
%RSD	.11363	.38261	.34234	.08903	.18197	.01053	4.5825	.05436	.21651	.17529	.35014	.24362	.26854
#1	.49430	.50327	.98590	.49611	.48758	.48039	.00366	4.8710	.49537	.49432	.49095	.49704	2.4238
#2	.49510	.50055	.98114	.49673	.48883	.48032	.00390	4.8748	.49689	.49555	.49339	.49875	2.4146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.398**	**.97711**	**19.465**	**.48822**	**.49369**	**5.1559**	**.49662**	**.98045**	**1.0053**	**-.00253**	**.95958**	**.98668**	**4.7969**
Stddev	.020	.00044	.005	.00066	.00252	.0144	.00199	.00145	.0075	.00124	.00422	.00179	.0494
%RSD	.04016	.04463	.02506	.13600	.50979	.27865	.40093	.14747	.74371	48.905	.43953	.18111	1.0304
#1	49.384	.97680	19.461	.48775	.49191	5.1661	.49521	.97942	1.0000	-.00340	.95660	.98541	4.8318
#2	49.412	.97742	19.468	.48869	.49547	5.1458	.49803	.98147	1.0106	-.00165	.96256	.98794	4.7619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.265**	**.98481**	**.48633**	**-.00207**	**.48617**	**1.0009**	**-.01384**	**.48781**	**.48684**	**.48584**
Stddev	.106	.00348	.00000	.00072	.00017	.0045	.00966	.00010	.00047	.00469
%RSD	1.0304	.35297	.00065	34.692	.03450	.44616	69.812	.02081	.09686	.96605
#1	10.340	.98235	.48633	-.00157	.48605	.99771	-.02067	.48774	.48651	.48253
#2	10.190	.98727	.48633	-.00258	.48629	1.0040	-.00701	.48788	.48718	.48916
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7102.4**	**91976.**	**8778.1**
Stddev	23.9	7.	21.4
%RSD	.33619	.00744	.24388
#1	7119.3	91972.	8763.0
#2	7085.5	91981.	8793.3

Sample Name: CCB Acquired: 9/25/2013 21:52:24 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00181**	**-.00093**	**.00175**	**.00014**	**.00007**	**.00050**	**.00617**	**.00006**	**.00014**	**.00009**	**-.00075**
Stddev	.00043	.00085	.00169	.00021	.00014	.00007	.00171	.00167	.00017	.00000	.00002	.00018
%RSD	411.38	46.875	182.07	12.033	96.245	106.96	341.45	27.070	290.52	.45649	21.185	23.753
#1	-.00020	.00241	-.00213	.00160	.00005	.00012	-.00071	.00735	.00018	.00014	.00008	-.00087
#2	.00041	.00121	.00027	.00190	.00024	.00002	.00171	.00499	-.00006	.00014	.00011	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.07909**	**.00112**	**.00357**	**.00006**	**.00074**	W **.09555**	**.00010**	**-.00186**	**.00096**	**.00748**	F **.01856**
Stddev	.00143	.00669	.00061	.00059	.00003	.00022	.01490	.00018	.00144	.00097	.00042	.00328
%RSD	47.185	8.4539	54.068	16.675	51.125	30.405	15.591	186.15	77.394	100.78	5.6537	17.686
#1	.00201	.07436	.00069	.00399	.00004	.00058	.08502	-.00003	-.00084	.00028	.00718	.01624
#2	.00403	.08382	.00155	.00315	.00008	.00090	.10609	.00023	-.00288	.00164	.00778	.02088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00296**	**.00310**	**.00663**	**.00022**	**.00018**	**-.00030**	**-.00015**	**.00144**	**.01422**	**-.00022**	**.00171**	**.00145**
Stddev	.00467	.00089	.00190	.00008	.00004	.00263	.00008	.00102	.01975	.00009	.00019	.00060
%RSD	157.74	28.679	28.679	35.751	20.092	872.53	57.459	70.487	138.90	42.685	11.326	41.183
#1	.00034	.00247	.00529	.00028	.00021	.00156	-.00009	.00072	.00025	-.00028	.00185	.00103
#2	-.00627	.00373	.00798	.00017	.00016	-.00216	-.00021	.00216	.02819	-.00015	.00157	.00188
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7215.0**	**91885.**	**8586.1**
Stddev	61.0	73.	8.4
%RSD	.84527	.07930	.09741
#1	7258.2	91936.	8580.1
#2	7171.9	91833.	8592.0

Sample Name: CCVL2271034 Acquired: 9/25/2013 21:54:41 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01111**	**.10637**	**.01860**	**.10065**	**.01002**	**.00095**	**.11233**	**.20922**	**.00524**	**.01072**	**.01056**	**.01489**	**.10894**
Stddev	.00060	.00050	.00291	.00013	.00011	.00005	.00067	.00149	.00001	.00001	.00005	.00028	.00106
%RSD	5.4078	.47188	15.668	.13015	1.1353	5.6355	.59601	.71346	.19701	.06364	.44172	1.8781	.97587
#1	.01153	.10672	.01654	.10074	.00994	.00099	.11186	.20817	.00525	.01073	.01053	.01470	.10818
#2	.01069	.10601	.02066	.10056	.01010	.00092	.11280	.21028	.00524	.01072	.01059	.01509	.10969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1426**	**.01087**	**.20866**	**.01043**	**.02026**	**1.1470**	**.04250**	**2.9278**	**.00967**	**.01180**	**.00922**	**.01103**	**.49749**
Stddev	.0847	.00055	.00233	.00002	.00014	.0079	.00034	.0018	.00006	.00035	.00125	.00083	.01277
%RSD	2.6942	5.0748	1.1144	.16457	.71375	.69141	.81121	.05999	.61359	2.9562	13.571	7.5113	2.5665
#1	3.0828	.01048	.21031	.01044	.02036	1.1526	.04226	2.9290	.00963	.01205	.00834	.01044	.48846
#2	3.2025	.01126	.20702	.01042	.02016	1.1414	.04275	2.9265	.00971	.01155	.01011	.01161	.50652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0646**	**.10330**	**.01005**	**.01444**	**.00992**	**.01779**	F **.00858**	**.01024**	**.02106**	**.01401**
Stddev	.0273	.00085	.00009	.00029	.00004	.00092	.03443	.00021	.00053	.00155
%RSD	2.5665	.81974	.91298	2.0138	.40097	5.1498	401.37	2.0598	2.4973	11.038
#1	1.0453	.10270	.00998	.01423	.00989	.01714	.03292	.01039	.02068	.01291
#2	1.0840	.10389	.01011	.01464	.00994	.01843	-.01577	.01009	.02143	.01510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7081.9**	**92223.**	**8657.7**
Stddev	16.8	43.	165.3
%RSD	.23733	.04610	1.9091
#1	7070.0	92193.	8774.6
#2	7093.7	92253.	8540.8

Sample Name: 280-46918-a-6-a Acquired: 9/25/2013 21:56:59 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.02850**	**.00047**	**.05057**	**.52473**	**.00000**	**.00001**	**195.73**	**.00047**	**-.00036**
Stddev	.00042	.00458	.00205	.00033	.00029	.0000	.00321	.64	.00006	.00001
%RSD	53.283	16.056	438.79	.65290	.05511	633.04	22629.	.32928	13.123	1.5068
#1	.00109	.03174	-.00098	.05080	.52452	.00001	.00228	195.28	.00052	-.00036
#2	.00049	.02527	.00192	.05034	.52493	-.00002	-.00225	196.19	.00043	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**.00754**	**.11468**	**3.9870**	**.01680**	**45.858**	**.00293**	**.00358**	W **698.82**	**.00131**
Stddev	.00010	.00026	.00089	.0535	.00131	.040	.00001	.00006	.35	.00039
%RSD	1.3209	3.4466	.77586	1.3415	7.7829	.08727	.23820	1.6321	.04983	29.655
#1	.00767	.00736	.11405	3.9491	.01773	45.887	.00293	.00354	698.57	.00158
#2	.00753	.00772	.11531	4.0248	.01588	45.830	.00292	.00363	699.06	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09053**	**-.00074**	**21.589**	**.00074**	W **-.00632**	**8.2175**	**17.586**	**-.00017**	**2.6706**	**-.00014**
Stddev	.00183	.00101	.080	.00096	.00140	.0038	.008	.00010	.0021	.00070
%RSD	2.0223	137.22	.37227	129.50	22.169	.04625	.04625	57.951	.07893	484.12
#1	.09182	-.00145	21.645	.00006	-.00731	8.2148	17.580	-.00010	2.6692	.00035
#2	.08923	-.00002	21.532	.00143	-.00533	8.2202	17.591	-.00024	2.6721	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00085**	**.01882**	**.00337**	**.00735**	**.00250**
Stddev	.00037	.00006	.02095	.00050	.00056	.00072
%RSD	89.652	6.6418	111.30	14.828	7.6387	28.718
#1	.00067	.00081	.00401	.00302	.00775	.00199
#2	.00015	.00089	.03363	.00373	.00695	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6634.4**	**84036.**	**8860.5**
Stddev	50.5	442.	168.0
%RSD	.76134	.52646	1.8958
#1	6670.1	84349.	8741.7
#2	6598.7	83723.	8979.2

Sample Name: 280-46918-a-7-a Acquired: 9/25/2013 21:59:31 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.44191**	**-.00083**	**.04916**	**.33079**	**-.00003**	**.00017**	**112.51**	**.00041**	**-.00038**
Stddev	.00031	.00002	.00040	.00004	.00098	.00001	.00376	.30	.00018	.00013
%RSD	60.429	.00397	48.567	.07359	.29582	23.783	2202.2	.26470	43.091	35.143
#1	.00030	.44192	-.00111	.04913	.33148	-.00003	.00283	112.72	.00029	-.00028
#2	.00074	.44190	-.00054	.04918	.33010	-.00004	-.00249	112.30	.00054	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00856**	**.02158**	**.30389**	**2.8920**	**.01635**	**25.694**	**.00606**	**.00311**	**438.90**	**.00090**
Stddev	.00000	.00038	.00660	.0391	.00146	.041	.00007	.00028	2.20	.00006
%RSD	.00436	1.7390	2.1725	1.3508	8.9155	.15851	1.1607	8.9242	.50213	6.5514
#1	.00856	.02132	.29922	2.9197	.01738	25.722	.00611	.00331	440.46	.00094
#2	.00856	.02185	.30856	2.8644	.01532	25.665	.00601	.00292	437.34	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05535**	**-.00046**	**17.385**	**-.00061**	W **-.00811**	**8.4367**	**18.055**	**-.00025**	**1.3983**	**-.00006**
Stddev	.00131	.00112	.018	.00396	.00121	.0365	.078	.00025	.0057	.00028
%RSD	2.3710	242.67	.10374	646.64	14.972	.43285	.43285	101.89	.40464	434.28
#1	.05442	.00033	17.372	.00219	-.00725	8.4626	18.110	-.00007	1.4023	.00013
#2	.05628	-.00125	17.397	-.00341	-.00897	8.4109	17.999	-.00043	1.3943	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01473**	**.00062**	**-.01875**	**.00295**	**.05490**	**.00133**
Stddev	.00022	.00057	.02516	.00064	.00081	.00063
%RSD	1.4943	92.206	134.17	21.516	1.4800	47.135
#1	.01457	.00103	-.03655	.00340	.05547	.00089
#2	.01488	.00022	-.00096	.00251	.05432	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6695.3**	**85104.**	**8608.8**
Stddev	13.6	193.	18.6
%RSD	.20280	.22684	.21653
#1	6704.9	84967.	8595.6
#2	6685.7	85240.	8621.9

Sample Name: 280-46918-a-8-a Acquired: 9/25/2013 22:01:56 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.42643**	**.00057**	**.05824**	**.16881**	**.00001**	**-.00049**	**58.428**	**.00009**	**-.00007**
Stddev	.00015	.00255	.00071	.00050	.00116	.00005	.00001	.261	.00028	.00000
%RSD	18.983	.59883	125.67	.85490	.68999	619.07	2.2382	.44663	322.08	2.2129
#1	.00070	.42824	.00006	.05859	.16799	.00004	-.00048	58.243	.00029	-.00008
#2	.00091	.42463	.00107	.05788	.16963	-.00003	-.00050	58.612	-.00011	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01001**	**.04003**	**.41020**	**2.6558**	**.01151**	**13.403**	**.02528**	**.00735**	**249.56**	**.00130**
Stddev	.00003	.00025	.00103	.0605	.00083	.014	.00008	.00009	.90	.00032
%RSD	.27718	.62600	.25141	2.2789	7.2141	.10151	.33023	1.2483	.35985	24.928
#1	.00999	.03986	.41093	2.6986	.01092	13.412	.02522	.00742	248.93	.00107
#2	.01003	.04021	.40947	2.6130	.01210	13.393	.02534	.00729	250.20	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06822**	**.00012**	**11.433**	**-.00178**	**-.00109**	**8.7079**	**18.635**	**.00089**	**.59107**	**-.00130**
Stddev	.00084	.00084	.045	.00042	.00544	.0738	.158	.00063	.00195	.00076
%RSD	1.2348	717.69	.39746	23.517	499.20	.84786	.84786	70.674	.33046	58.684
#1	.06762	-.00047	11.465	-.00149	-.00494	8.6557	18.523	.00045	.58968	-.00184
#2	.06882	.00071	11.401	-.00208	.00276	8.7601	18.747	.00134	.59245	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01186**	**.00146**	**-.00938**	**.00311**	**.35761**	**.00193**
Stddev	.00202	.00118	.01041	.00032	.00121	.00072
%RSD	17.063	80.683	110.91	10.407	.33730	37.342
#1	.01043	.00230	-.01674	.00334	.35846	.00244
#2	.01329	.00063	-.00202	.00288	.35675	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6822.7**	**87353.**	**8704.3**
Stddev	27.5	90.	5.4
%RSD	.40298	.10269	.06246
#1	6803.2	87290.	8700.5
#2	6842.1	87417.	8708.2

Sample Name: 280-46918-a-9-a Acquired: 9/25/2013 22:04:17 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.13596**	**.00240**	**.14592**	**.13740**	**-.00005**	**-.00237**	**70.074**	**.00022**	**-.00021**
Stddev	.00034	.00067	.00250	.00032	.00014	.00005	.00014	.131	.00006	.00002
%RSD	106.76	.49345	104.11	.21735	.09896	93.378	6.1295	.18703	28.381	10.354
#1	-.00008	.13548	.00063	.14614	.13750	-.00002	-.00226	70.167	.00026	-.00019
#2	-.00055	.13643	.00417	.14569	.13730	-.00008	-.00247	69.981	.00018	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01791**	**.00991**	**.22255**	**8.0261**	**.01199**	**13.004**	**.00385**	**.00930**	**138.62**	**.00058**
Stddev	.00006	.00004	.00652	.0179	.00087	.029	.00009	.00004	.11	.00026
%RSD	.31872	.35385	2.9310	.22309	7.2490	.22153	2.2153	.41583	.07762	45.302
#1	.01795	.00994	.21794	8.0134	.01261	12.984	.00391	.00927	138.55	.00039
#2	.01787	.00989	.22717	8.0387	.01138	13.024	.00379	.00932	138.70	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16712**	**-.00060**	**8.2492**	**-.00074**	W **-.00538**	**10.385**	**22.223**	**.00064**	**.70530**	**.00024**
Stddev	.00001	.00091	.0215	.00014	.00098	.018	.039	.00004	.00133	.00303
%RSD	.00612	151.14	.26018	19.496	18.198	.17764	.17764	6.1458	.18897	1274.7
#1	.16711	-.00125	8.2644	-.00084	-.00469	10.398	22.251	.00062	.70624	.00238
#2	.16712	.00004	8.2341	-.00064	-.00607	10.372	22.195	.00067	.70436	-.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00328**	**.00041**	**.00194**	**.00379**	**.13534**	**.00048**
Stddev	.00054	.00134	.01339	.00009	.00085	.00067
%RSD	16.572	327.52	691.12	2.4946	.62728	141.84
#1	.00366	.00136	-.00753	.00385	.13594	.00095
#2	.00289	-.00054	.01140	.00372	.13474	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6921.1**	**88135.**	**8689.9**
Stddev	16.8	53.	40.7
%RSD	.24251	.05980	.46869
#1	6933.0	88173.	8661.1
#2	6909.3	88098.	8718.7

Sample Name: 280-46944-I-1-a Acquired: 9/25/2013 22:06:37 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00580**	**.03052**	**1.1735**	**.09401**	**.00000**	**-.00395**	W **589.49**	**.00175**	**.00497**
Stddev	.00001	.00003	.00019	.0017	.00042	.0000	.00271	6.57	.00008	.00010
%RSD	1.5883	.59587	.63165	.14154	.44996	1187.5	68.635	1.1149	4.7628	2.0077
#1	-.00063	.00582	.03038	1.1723	.09371	-.00002	-.00587	594.14	.00181	.00504
#2	-.00062	.00578	.03065	1.1746	.09431	.00002	-.00203	584.85	.00169	.00490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**.00219**	**.26992**	F **1644.1**	**.28311**	**276.57**	**2.0847**	**.14239**	W **872.39**	**.03294**
Stddev	.00009	.00029	.00217	1.5	.00069	1.79	.0046	.00096	3.58	.00010
%RSD	2.4239	13.160	.80354	.09112	.24521	.64673	.22133	.67294	.41054	.31252
#1	.00396	.00199	.26838	1643.0	.28262	275.31	2.0880	.14307	869.86	.03286
#2	.00383	.00239	.27145	1645.1	.28360	277.84	2.0814	.14171	874.92	.03301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47029**	**-.00060**	F **817.48**	**.00109**	**.01026**	**11.385**	**24.363**	**.00057**	W **11.087**	**-.00131**
Stddev	.00298	.00039	.62	.00130	.00551	.055	.119	.00073	.020	.00430
%RSD	.63456	65.351	.07525	118.61	53.742	.48654	.48654	127.01	.18322	329.56
#1	.47240	-.00087	817.91	.00201	.01416	11.345	24.279	.00006	11.102	.00174
#2	.46818	-.00032	817.04	.00018	.00636	11.424	24.447	.00109	11.073	-.00435
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00071**	**-.03114**	**.01310**	**.01261**	**.00317**
Stddev	.00010	.00074	.01531	.00026	.00070	.00079
%RSD	26.826	103.21	49.146	1.9969	5.5611	25.010
#1	.00045	.00019	-.02032	.01328	.01310	.00261
#2	.00030	.00123	-.04197	.01291	.01211	.00373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6035.3**	**77169.**	**8432.9**
Stddev	25.1	170.	37.9
%RSD	.41519	.22015	.44899
#1	6017.6	77289.	8459.7
#2	6053.0	77049.	8406.2

Sample Name: 280-46986-b-2-a Acquired: 9/25/2013 22:09:22 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.02061**	**-.00079**	**.28521**	**.28022**	**.00002**	**-.00341**	**115.69**	**.00025**	**-.00022**
Stddev	.00009	.00008	.00116	.00181	.00054	.00001	.00194	.38	.00003	.00001
%RSD	27.321	.38132	145.57	.63323	.19103	57.250	56.954	.33064	13.342	3.8577
#1	-.00040	.02055	.00002	.28649	.28060	.00003	-.00479	115.96	.00028	-.00022
#2	-.00027	.02066	-.00161	.28394	.27984	.00001	-.00204	115.42	.00023	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00898**	**1.1780**	**12.551**	**.00839**	**22.846**	**.04272**	**.00712**	**41.812**	**.00231**
Stddev	.00004	.00031	.0012	.497	.00093	.034	.00009	.00009	.213	.00014
%RSD	3.5605	3.4625	.09738	3.9633	11.065	.15001	.22043	1.2791	.50838	6.2382
#1	.00096	.00876	1.1789	12.903	.00774	22.822	.04279	.00706	41.962	.00220
#2	.00101	.00920	1.1772	12.200	.00905	22.870	.04266	.00718	41.661	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05879**	**-.00093**	**11.229**	**.00080**	W **-.00819**	**14.801**	**31.673**	**.00053**	**1.3854**	**-.00144**
Stddev	.00182	.00122	.046	.00100	.00438	.012	.026	.00089	.0040	.00058
%RSD	3.0981	131.01	.41275	126.22	53.460	.08144	.08144	166.66	.29134	40.058
#1	.06008	-.00180	11.261	.00009	-.01128	14.809	31.692	.00116	1.3883	-.00103
#2	.05750	-.00007	11.196	.00151	-.00509	14.792	31.655	-.00010	1.3826	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00167**	**.00583**	**.00111**	**.01329**	**.00049**
Stddev	.00015	.00191	.02795	.00011	.00012	.00092
%RSD	18.696	114.26	479.80	9.5983	.87099	186.47
#1	.00070	.00032	-.01394	.00104	.01321	.00114
#2	.00091	.00302	.02559	.00119	.01337	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6911.3**	**89614.**	**8738.3**
Stddev	30.5	43.	34.0
%RSD	.44065	.04808	.38940
#1	6932.9	89645.	8762.3
#2	6889.8	89584.	8714.2

Sample Name: 280-46986-b-3-a Acquired: 9/25/2013 22:11:42 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**5.6446**	**.00581**	**.02233**	**.11528**	**.00041**	**.01181**	**129.81**	**.00093**	**.02080**
Stddev	.00005	.0219	.00239	.00030	.00036	.00010	.00089	.19	.00004	.00024
%RSD	52.904	.38845	41.178	1.3220	.31100	23.999	7.5396	.14571	4.2755	1.1423
#1	-.00014	5.6291	.00412	.02254	.11502	.00034	.01244	129.68	.00096	.02063
#2	-.00006	5.6601	.00750	.02212	.11553	.00048	.01118	129.95	.00091	.02097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57838**	**.61024**	**94.635**	**4.2597**	**.00884**	**7.0227**	**1.2505**	**.03920**	**23.004**	**.34387**
Stddev	.00001	.00066	.294	.0211	.00051	.0014	.0001	.00070	.074	.00042
%RSD	.00136	.10862	.31092	.49657	5.7784	.01986	.00618	1.7933	.32329	.12143
#1	.57838	.60977	94.427	4.2747	.00847	7.0237	1.2504	.03870	22.951	.34358
#2	.57839	.61071	94.843	4.2448	.00920	7.0217	1.2505	.03970	23.056	.34417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38930**	**.07696**	**19.760**	**.00961**	W **-.00542**	**14.198**	**30.384**	**.11660**	**.23354**	**-.00081**
Stddev	.00075	.00181	.036	.00104	.00259	.135	.289	.00062	.00047	.00013
%RSD	.19226	2.3483	.18105	10.799	47.728	.95177	.95177	.53465	.20039	15.848
#1	.38983	.07568	19.785	.00888	-.00359	14.103	30.179	.11616	.23321	-.00090
#2	.38877	.07824	19.735	.01034	-.00725	14.294	30.588	.11704	.23387	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14829**	**.00068**	F **-.11335**	**.02319**	**2.5650**	**.00545**
Stddev	.00135	.00159	.02625	.00039	.0019	.00021
%RSD	.91315	234.52	23.156	1.6848	.07550	3.8792
#1	.14733	.00181	-.13191	.02347	2.5636	.00530
#2	.14924	-.00045	-.09479	.02292	2.5664	.00560
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7050.4**	**90636.**	**8814.6**
Stddev	22.1	448.	22.1
%RSD	.31289	.49435	.25074
#1	7066.0	90953.	8830.2
#2	7034.8	90319.	8799.0

Sample Name: 280-46986-b-4-a Acquired: 9/25/2013 22:13:55 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.30818**	**.00323**	**.11361**	**.11832**	**-.00005**	**.00240**	**37.301**	**-.00007**	**-.00028**
Stddev	.00087	.00048	.00303	.00018	.00013	.00006	.00358	.141	.00005	.00011
%RSD	322.94	.15536	93.777	.15661	.10932	119.94	149.45	.37712	78.788	39.784
#1	.00089	.30852	.00109	.11348	.11841	-.00001	.00493	37.401	-.00003	-.00020
#2	-.00035	.30784	.00537	.11373	.11823	-.00008	-.00014	37.202	-.00011	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01742**	**.00537**	**.25951**	**3.0486**	**.01339**	**7.5379**	**.00314**	**.00369**	**260.85**	**.00166**
Stddev	.00034	.00004	.01114	.0707	.00085	.0055	.00003	.00016	.84	.00014
%RSD	1.9300	.67857	4.2915	2.3177	6.3824	.07323	.81652	4.2711	.32105	8.3998
#1	.01765	.00539	.26739	3.0985	.01399	7.5340	.00312	.00358	261.45	.00176
#2	.01718	.00534	.25164	2.9986	.01279	7.5418	.00316	.00381	260.26	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24010**	**-.00057**	**11.243**	**-.00101**	**-.00298**	**10.512**	**22.495**	**.00009**	**.36808**	**-.00240**
Stddev	.00202	.00052	.002	.00036	.00064	.041	.087	.00039	.00083	.00063
%RSD	.84170	91.531	.02077	35.703	21.346	.38807	.38807	439.99	.22605	26.299
#1	.24153	-.00094	11.244	-.00076	-.00253	10.540	22.556	.00036	.36867	-.00196
#2	.23867	-.00020	11.241	-.00127	-.00343	10.483	22.433	-.00019	.36750	-.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00936**	**.00102**	**.00936**	**.00576**	**.01003**	**.00238**
Stddev	.00024	.00047	.00703	.00029	.00008	.00039
%RSD	2.5320	46.728	75.047	5.0067	.84330	16.178
#1	.00919	.00068	.00439	.00596	.00997	.00266
#2	.00952	.00135	.01433	.00556	.01009	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6817.5**	**86726.**	**8559.3**
Stddev	16.7	283.	49.4
%RSD	.24520	.32636	.57759
#1	6829.3	86926.	8524.4
#2	6805.7	86526.	8594.3

Sample Name: 280-46986-b-5-a Acquired: 9/25/2013 22:16:17 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.02321**	**.00048**	**.05104**	**.43774**	**-.00005**	**-.00016**	**152.31**	**.00022**	**-.00021**
Stddev	.00015	.00069	.00496	.00001	.00215	.00002	.00078	1.19	.00020	.00021
%RSD	27.658	2.9665	1031.8	.01656	.49221	42.744	483.44	.77823	90.250	99.138
#1	-.00067	.02272	-.00303	.05104	.43926	-.00003	-.00071	153.15	.00036	-.00006
#2	-.00045	.02370	.00399	.05105	.43621	-.00006	.00039	151.47	.00008	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.01470**	**.03392**	**3.4339**	**.00681**	**24.676**	**.00629**	**.00272**	**213.53**	**.00081**
Stddev	.00004	.00003	.00229	.0197	.00132	.042	.00005	.00023	1.33	.00005
%RSD	2.6798	.23514	6.7660	.57469	19.420	.17194	.75590	8.3714	.62237	6.5716
#1	.00144	.01473	.03230	3.4478	.00774	24.646	.00625	.00288	214.47	.00077
#2	.00150	.01468	.03554	3.4199	.00587	24.706	.00632	.00255	212.59	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10704**	**-.00048**	**11.157**	**.00068**	**-.00383**	**9.4309**	**20.182**	**.00061**	**1.1319**	**-.00054**
Stddev	.00097	.00120	.003	.00033	.00186	.0071	.015	.00019	.0089	.00149
%RSD	.90991	248.87	.02566	48.359	48.515	.07512	.07512	31.428	.78753	277.61
#1	.10772	-.00133	11.155	.00045	-.00514	9.4360	20.193	.00048	1.1382	-.00159
#2	.10635	.00037	11.159	.00091	-.00251	9.4259	20.172	.00075	1.1256	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00170**	**-.01131**	**.00441**	**.04265**	**.00098**
Stddev	.00005	.00034	.00796	.00034	.00036	.00093
%RSD	33.826	20.221	70.378	7.6524	.85579	94.177
#1	.00012	.00194	-.01694	.00465	.04239	.00164
#2	.00019	.00145	-.00568	.00417	.04290	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6721.8**	**86686.**	**8450.9**
Stddev	24.5	392.	125.4
%RSD	.36380	.45245	1.4841
#1	6739.0	86964.	8362.2
#2	6704.5	86409.	8539.6

Sample Name: 280-46986-b-6-a Acquired: 9/25/2013 22:18:36 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192818 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.02262**	**.00076**	**.10309**	**.28062**	**-.00002**	**-.00401**	**116.48**	**.00049**	**.00173**
Stddev	.00091	.00116	.00520	.00011	.00122	.00008	.00002	.45	.00017	.00006
%RSD	192.75	5.1166	681.66	.10442	.43454	400.44	.60985	.38822	34.096	3.6657
#1	-.00112	.02344	.00444	.10316	.27976	-.00007	-.00399	116.16	.00038	.00177
#2	.00017	.02180	-.00291	.10301	.28148	.00004	-.00403	116.80	.00061	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**.00088**	**.09685**	**9.8035**	**.01160**	**45.231**	**.48820**	**.00344**	**187.64**	**.00264**
Stddev	.00002	.00046	.00107	.0224	.00094	.141	.00049	.00010	.99	.00015
%RSD	.90525	51.804	1.1025	.22868	8.1417	.31179	.09961	2.9330	.52723	5.8234
#1	.00232	.00056	.09610	9.7876	.01227	45.131	.48786	.00337	186.94	.00253
#2	.00229	.00120	.09761	9.8193	.01094	45.331	.48854	.00351	188.34	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01077**	**-.00021**	**15.801**	**.00123**	W **-.00592**	**9.1202**	**19.517**	**.00063**	**2.4185**	**-.00266**
Stddev	.00007	.00179	.002	.00247	.00177	.0775	.166	.00064	.0121	.00104
%RSD	.64922	837.71	.01481	199.73	29.955	.85027	.85027	101.26	.50196	39.194
#1	.01072	.00105	15.799	.00298	-.00717	9.0654	19.400	.00108	2.4099	-.00340
#2	.01082	-.00148	15.803	-.00051	-.00466	9.1750	19.635	.00018	2.4271	-.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00219**	**-.02078**	**.00250**	**.00478**	**.00041**
Stddev	.00047	.00096	.01998	.00046	.00010	.00143
%RSD	65.549	43.933	96.132	18.293	2.0432	350.29
#1	.00039	.00287	-.00666	.00218	.00484	-.00060
#2	.00106	.00151	-.03491	.00282	.00471	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6627.1**	**85620.**	**8313.2**
Stddev	46.0	655.	4.8
%RSD	.69340	.76449	.05733
#1	6659.6	86082.	8316.6
#2	6594.6	85157.	8309.8

Sample Name: CCVH-2271055 Acquired: 9/25/2013 22:20:55 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00341**	**48.836**	**.00454**	**.00249**	**.00062**	**-.00007**	**.96984**	**.05577**	**.00026**	**-.00058**	**-.00080**	**-.00602**
Stddev	.00001	.020	.00078	.00104	.00008	.00006	.00275	.00032	.00003	.00000	.00008	.00019
%RSD	.24694	.03998	17.201	41.742	13.497	88.997	.28317	.57895	12.145	.20535	9.8206	3.1190
#1	-.00341	48.849	.00509	.00322	.00068	-.00011	.96790	.05554	.00028	-.00058	-.00074	-.00589
#2	-.00340	48.822	.00399	.00175	.00056	-.00003	.97178	.05600	.00023	-.00058	-.00085	-.00615
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.404**	**.44038**	**-.00152**	**-.07505**	**-.00052**	**-.00054**	**250.40**	**.00016**	**.00093**	**.00062**	**4.7789**	**.00040**
Stddev	.317	.02750	.00188	.00105	.00004	.00021	.10	.00026	.00153	.00117	.0099	.00152
%RSD	.65482	6.2445	123.75	1.3949	7.5494	38.430	.04184	160.34	164.75	187.32	.20719	381.70
#1	48.180	.42093	-.00285	-.07431	-.00055	-.00068	250.33	-.00002	-.00015	-.00020	4.7859	.00148
#2	48.628	.45983	-.00019	-.07579	-.00049	-.00039	250.48	.00034	.00201	.00145	4.7719	-.00068
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00611**	**.00468**	**.01001**	**.00163**	**.00102**	W **4.7447**	**.00677**	**.00252**	**9.8088**	**-.00063**	**.00140**	**-.03147**
Stddev	.00140	.00387	.00828	.00112	.00006	.0073	.00014	.00025	.0013	.00022	.00020	.00292
%RSD	22.945	82.755	82.755	68.456	5.5772	.15401	2.0064	9.9295	.01293	34.758	14.144	9.2679
#1	-.00512	.00742	.01587	.00242	.00098	4.7498	.00686	.00270	9.8097	-.00048	.00126	-.03353
#2	-.00710	.00194	.00415	.00084	.00106	4.7395	.00667	.00235	9.8079	-.00079	.00154	-.02941
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6596.9**	**85479.**	**8200.4**
Stddev	1.5	591.	141.8
%RSD	.02227	.69134	1.7298
#1	6597.9	85897.	8300.7
#2	6595.9	85061.	8100.1

Sample Name: CCV-2271054 Acquired: 9/25/2013 22:23:11 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49531**	**.50620**	**.98923**	**.49932**	**.48882**	**.48019**	**.00186**	**4.9152**	**.49679**	**.49878**	**.49762**	**.49276**	**2.4498**
Stddev	.00080	.00037	.00099	.00189	.00133	.00191	.00134	.0206	.00020	.00095	.00055	.00105	.0165
%RSD	.16087	.07287	.10002	.37860	.27213	.39692	71.722	.41847	.03959	.19131	.10960	.21266	.67460
#1	.49587	.50594	.98853	.50066	.48976	.48154	.00281	4.9297	.49665	.49946	.49801	.49350	2.4614
#2	.49475	.50646	.98993	.49799	.48788	.47884	.00092	4.9006	.49693	.49811	.49723	.49202	2.4381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.313**	**.98363**	**19.517**	**.49118**	**.49430**	**5.1517**	**.50486**	**.97862**	**1.0143**	**.00276**	**.94844**	**.98478**	**4.9280**
Stddev	.273	.00022	.047	.00134	.00023	.0465	.00003	.00116	.0013	.00462	.00567	.00775	.0268
%RSD	.54317	.02227	.23953	.27231	.04689	.90209	.00621	.11815	.12595	167.13	.59730	.78710	.54306
#1	50.506	.98347	19.550	.49213	.49414	5.1846	.50488	.97780	1.0152	.00603	.95244	.99026	4.9469
#2	50.120	.98378	19.484	.49024	.49447	5.1189	.50484	.97943	1.0134	-.00050	.94443	.97929	4.9090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.546**	**.98759**	**.48708**	**-.00218**	**.48613**	**1.0056**	**-.04715**	**.49229**	**.49284**	**.48895**
Stddev	.057	.00084	.00120	.00019	.00043	.0021	.01522	.00067	.00132	.00037
%RSD	.54306	.08477	.24619	8.5207	.08799	.21300	32.285	.13556	.26692	.07618
#1	10.586	.98700	.48792	-.00205	.48582	1.0071	-.03638	.49276	.49377	.48921
#2	10.505	.98818	.48623	-.00232	.48643	1.0041	-.05791	.49182	.49191	.48868
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6811.1**	**87637.**	**8105.6**
Stddev	15.1	451.	6.4
%RSD	.22239	.51480	.07949
#1	6821.8	87318.	8101.0
#2	6800.4	87956.	8110.1

Sample Name: CCB Acquired: 9/25/2013 22:25:19 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00136**	**.00216**	**.00133**	**.00034**	**.00015**	**.00211**	**.00206**	**-.00026**	**-.00006**	**-.00007**	**-.00034**
Stddev	.00023	.00014	.00126	.00056	.00016	.00006	.00240	.00005	.00028	.00022	.00009	.00017
%RSD	154.44	9.9422	58.145	41.807	45.884	39.818	113.97	2.5337	108.33	352.09	118.43	50.464
#1	.00001	.00126	.00305	.00173	.00045	.00019	.00381	.00210	-.00046	.00009	-.00001	-.00022
#2	-.00031	.00146	.00127	.00094	.00023	.00010	.00041	.00203	-.00006	-.00022	-.00013	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00211**	W **.24392**	W **.00313**	**.00098**	**.00002**	**.00042**	W **.09230**	**.00015**	**-.00203**	**.00019**	**.01486**	F **.01567**
Stddev	.00227	.01477	.00225	.00111	.00008	.00013	.00428	.00019	.00140	.00060	.00164	.00475
%RSD	107.68	6.0544	71.976	113.76	330.49	32.312	4.6363	131.32	68.769	318.80	11.055	30.302
#1	.00372	.25437	.00473	.00176	-.00003	.00032	.09533	.00028	-.00105	-.00024	.01603	.01231
#2	.00050	.23348	.00154	.00019	.00008	.00051	.08928	.00001	-.00302	.00061	.01370	.01903
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.23700	.00261				.09160					.00628
Low Limit		-.23700	-.00261				-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00351**	**.00760**	**.01626**	**.00129**	**.00011**	**.00070**	**-.00018**	**.00088**	**-.00613**	**.00069**	**.00125**	**.00088**
Stddev	.00068	.01023	.02189	.00013	.00014	.00063	.00005	.00097	.06707	.00010	.00035	.00077
%RSD	19.352	134.58	134.58	10.117	124.56	90.687	26.056	109.89	1094.5	14.352	27.837	88.239
#1	-.00303	.00037	.00079	.00139	.00021	.00025	-.00022	.00020	.04130	.00076	.00149	.00143
#2	-.00399	.01483	.03174	.00120	.00001	.00114	-.00015	.00156	-.05355	.00062	.00100	.00033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6705.1**	**87418.**	**7944.8**
Stddev	1.0	192.	8.7
%RSD	.01538	.21914	.10894
#1	6704.4	87554.	7938.6
#2	6705.9	87283.	7950.9

Sample Name: CCVL2271034 Acquired: 9/25/2013 22:27:36 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10754**	**.01341**	**.09830**	**.01058**	**.00100**	**.10863**	**.20554**	**.00521**	**.01066**	**.01055**	**.01479**	**.10291**
Stddev	.00034	.00083	.00685	.00024	.00007	.00004	.00292	.00066	.00028	.00012	.00013	.00049	.00209
%RSD	3.0539	.76739	51.117	.24210	.67709	3.8216	2.6846	.32154	5.3931	1.1518	1.1949	3.3450	2.0344
#1	.01088	.10812	.00856	.09847	.01053	.00097	.10657	.20601	.00501	.01058	.01046	.01514	.10143
#2	.01136	.10695	.01825	.09813	.01063	.00102	.11069	.20507	.00541	.01075	.01064	.01444	.10439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2669**	F **.01342**	**.20761**	**.01022**	**.01982**	**1.1360**	**.04167**	**2.8800**	**.00937**	**.01740**	**.01155**	**.01203**	**.48428**
Stddev	.0398	.00226	.00006	.00001	.00035	.0167	.00026	.0001	.00066	.00165	.00076	.00316	.01094
%RSD	1.2168	16.852	.02887	.11040	1.7491	1.4661	.61907	.00231	7.0768	9.4886	6.5987	26.312	2.2580
#1	3.2950	.01502	.20765	.01021	.02006	1.1478	.04185	2.8801	.00984	.01857	.01208	.00979	.49201
#2	3.2388	.01182	.20757	.01023	.01957	1.1242	.04149	2.8800	.00891	.01624	.01101	.01426	.47655
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0364**	**.10365**	**.01014**	**.01448**	**.00959**	**.01744**	**.05764**	**.00987**	**.02161**	**.01159**
Stddev	.0234	.00051	.00004	.00048	.00020	.00112	.04163	.00043	.00038	.00102
%RSD	2.2580	.49360	.39786	3.3417	2.0963	6.4057	72.223	4.3973	1.7723	8.8244
#1	1.0529	.10401	.01017	.01414	.00974	.01665	.02820	.00956	.02134	.01087
#2	1.0198	.10328	.01011	.01482	.00945	.01823	.08707	.01018	.02188	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6760.8**	**88566.**	**8057.1**
Stddev	20.6	600.	1.5
%RSD	.30437	.67756	.01876
#1	6746.2	88990.	8058.1
#2	6775.3	88142.	8056.0

Sample Name: lb 280-191371/1-g Acquired: 9/25/2013 22:29:54 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192693 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00526**	**.00093**	**.02652**	**.00456**	**-.00002**	**.00136**	W **.17977**	**.00001**	**-.00024**
Stddev	.00026	.00042	.00013	.00010	.00026	.00004	.00078	.00024	.00002	.00012
%RSD	65.523	8.0269	13.694	.37015	5.6313	149.37	57.444	.13299	167.44	48.937
#1	.00058	.00496	.00084	.02659	.00474	-.00005	.00081	.17960	.00002	-.00033
#2	.00021	.00556	.00102	.02645	.00438	.00000	.00191	.17994	.00000	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00228**	**.00865**	**.29084**	**.00273**	**.02945**	**.00031**	**.00013**	**276.00**	**.00026**
Stddev	.00000	.00044	.00183	.00830	.00124	.00284	.00004	.00003	.40	.00024
%RSD	.66492	19.193	21.178	2.8553	45.302	9.6535	14.081	24.314	.14597	92.044
#1	.00020	.00259	.00994	.29672	.00361	.02744	.00027	.00015	276.28	.00009
#2	.00020	.00197	.00735	.28497	.00186	.03146	.00034	.00011	275.71	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**-.00045**	**.02809**	**-.00059**	**-.00369**	**.00955**	**.02044**	**.00079**	**.00039**	**-.00075**
Stddev	.00120	.00020	.00401	.00061	.00488	.01515	.03243	.00031	.00015	.00143
%RSD	41.116	44.037	14.286	103.66	132.27	158.68	158.68	38.524	37.623	190.12
#1	.00378	-.00059	.02525	-.00016	-.00714	.02026	.04337	.00101	.00049	-.00176
#2	.00208	-.00031	.03093	-.00102	-.00024	-.00117	-.00249	.00058	.00028	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00105**	**.01250**	**.00032**	**.00847**	**-.00080**
Stddev	.00056	.00065	.06686	.00025	.00004	.00089
%RSD	309.60	62.114	534.81	79.006	.51895	111.91
#1	-.00058	.00151	.05978	.00014	.00844	-.00143
#2	.00022	.00059	-.03477	.00050	.00850	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6851.8**	**86698.**	**8338.3**
Stddev	3.8	74.	131.9
%RSD	.05571	.08479	1.5820
#1	6849.1	86646.	8245.0
#2	6854.5	86750.	8431.5

Sample Name: lcs 280-191371/2-g Acquired: 9/25/2013 22:32:21 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192693 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19887**	W **.36717**	**.76121**	**.20697**	**2.2550**	**.00898**	**.36817**	**9.2384**	**.21048**	**.09173**
Stddev	.00001	.00191	.00198	.00147	.0010	.00002	.00202	.0115	.00193	.00115
%RSD	.00356	.52154	.26064	.71080	.04523	.25954	.54785	.12407	.91551	1.2507
#1	.19887	.36581	.75981	.20593	2.2557	.00896	.36675	9.2465	.20912	.09092
#2	.19886	.36852	.76261	.20801	2.2543	.00900	.36960	9.2303	.21184	.09254
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97761**	**.42242**	**.18793**	**9.7899**	**.18551**	F **8.6786**	**.09098**	**.18921**	F **268.40**	**.09260**
Stddev	.00323	.00028	.00052	.0017	.00009	.0429	.00029	.00100	.64	.00039
%RSD	.33074	.06521	.27815	.01686	.04834	.49440	.32211	.52809	.23660	.42152
#1	.97532	.42223	.18830	9.7910	.18557	8.6482	.09077	.18850	267.95	.09232
#2	.97990	.42262	.18756	9.7887	.18544	8.7089	.09119	.18992	268.85	.09288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9002**	**1.0334**	**.02196**	F **.08589**	**.56021**	F **1.8217**	F **3.8984**	**.36729**	**.18265**	**.17215**
Stddev	.0105	.0107	.00377	.00160	.00620	.0030	.0065	.00253	.00014	.00329
%RSD	.55309	1.0369	17.152	1.8592	1.1063	.16603	.16603	.68757	.07450	1.9087
#1	1.8927	1.0258	.02462	.08702	.55583	1.8195	3.8938	.36550	.18275	.16983
#2	1.9076	1.0409	.01929	.08476	.56459	1.8238	3.9030	.36907	.18256	.17448
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.10800		2.3000	4.9220			
Low Limit				.08800		1.8800	4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18449**	F **.35148**	**.35183**	**.09225**	**.47960**	**.09167**
Stddev	.00096	.00581	.02276	.00058	.00188	.00124
%RSD	.52092	1.6525	6.4700	.62871	.39127	1.3567
#1	.18381	.34737	.36793	.09184	.47828	.09079
#2	.18517	.35558	.33574	.09266	.48093	.09255
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200				
Low Limit		.35200				

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6818.3**	**88231.**	**8608.3**
Stddev	22.1	140.	29.8
%RSD	.32410	.15911	.34580
#1	6834.0	88330.	8629.4
#2	6802.7	88131.	8587.3

Sample Name: 280-46400-c-2-e Acquired: 9/25/2013 22:34:40 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192693 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.17571**	**.00331**	W **15.121**	**.07693**	**.00003**	**.00101**	**31.297**	**.06589**	**.00011**
Stddev	.00054	.00084	.00033	.007	.00020	.00003	.00169	.008	.00039	.00015
%RSD	1411.9	.47739	9.9661	.04600	.25363	92.736	166.92	.02498	.59234	140.73
#1	.00042	.17630	.00354	15.126	.07679	.00005	.00221	31.292	.06617	.00021
#2	-.00035	.17511	.00308	15.116	.07707	.00001	-.00018	31.303	.06561	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.30883**	**.13093**	**2.0229**	**.03414**	**.97058**	**.13957**	**.00530**	**334.65**	**.03477**
Stddev	.00001	.00089	.00203	.0133	.00229	.00509	.00009	.00023	.18	.00002
%RSD	.84893	.28714	1.5528	.65710	6.7126	.52430	.06611	4.4078	.05474	.06044
#1	.00167	.30820	.13237	2.0135	.03576	.96698	.13950	.00514	334.52	.03479
#2	.00169	.30946	.12949	2.0323	.03252	.97418	.13963	.00547	334.78	.03476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0052**	**.01285**	**38.315**	**.00854**	**-.00285**	**.83470**	**1.7863**	**.00331**	**.08132**	**-.00246**
Stddev	.0184	.00057	.035	.00080	.00131	.00028	.0006	.00004	.00008	.00071
%RSD	.45837	4.4466	.09081	9.3628	46.078	.03304	.03304	1.2446	.10129	28.777
#1	4.0181	.01326	38.340	.00798	-.00378	.83450	1.7858	.00328	.08138	-.00196
#2	3.9922	.01245	38.291	.00911	-.00192	.83489	1.7867	.00334	.08126	-.00296
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00229**	**.08756**	**.00035**	**.67027**	**.00079**
Stddev	.00010	.00085	.01914	.00013	.00099	.00132
%RSD	249.17	37.108	21.862	36.221	.14799	166.33
#1	.00011	.00169	.10110	.00026	.67097	-.00014
#2	-.00003	.00289	.07402	.00044	.66957	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6866.8**	**88582.**	**8805.3**
Stddev	34.7	170.	15.8
%RSD	.50489	.19184	.17944
#1	6842.3	88462.	8794.2
#2	6891.3	88702.	8816.5

Sample Name: 280-46529-b-1-g Acquired: 9/25/2013 22:37:37 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192693 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.15892**	**.00369**	**.14081**	**.08861**	**.00004**	**.00004**	**9.6223**	**.18591**	**.00274**
Stddev	.00001	.00078	.00349	.00439	.00013	.00000	.00213	.0491	.00115	.00003
%RSD	8.4526	.49242	94.653	3.1146	.14771	.50790	5995.5	.51013	.61772	1.2026
#1	-.00016	.15947	.00122	.14391	.08851	.00004	-.00147	9.6570	.18672	.00272
#2	-.00018	.15837	.00616	.13771	.08870	.00004	.00155	9.5876	.18510	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.00226**	**.56936**	**2.0433**	W **4.0090**	**.95296**	**.07007**	**.00778**	**273.14**	**.03898**
Stddev	.00019	.00029	.00225	.0384	.0113	.00387	.00027	.00035	1.23	.00003
%RSD	5.1464	12.752	.39584	1.8769	.28074	.40561	.38852	4.4685	.45004	.08771
#1	.00347	.00205	.56776	2.0704	4.0170	.95570	.07026	.00753	274.01	.03901
#2	.00373	.00246	.57095	2.0162	4.0010	.95023	.06988	.00803	272.27	.03896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					2.0000					
Low Limit					-.01000					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0602**	**.00449**	**1.2412**	**.05251**	**-.00398**	**.41335**	**.88458**	**.02061**	**.04770**	**.00024**
Stddev	.0078	.00157	.0072	.00088	.00132	.00196	.00419	.00087	.00013	.00059
%RSD	.73330	34.922	.57863	1.6674	33.043	.47322	.47322	4.1973	.27826	243.77
#1	1.0657	.00338	1.2463	.05312	-.00491	.41474	.88754	.02122	.04760	.00066
#2	1.0547	.00560	1.2361	.05189	-.00305	.41197	.88162	.02000	.04779	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00064**	**-.02255**	**.00023**	**3.4793**	**.00037**
Stddev	.00070	.00089	.00231	.00083	.0160	.00033
%RSD	94.141	139.67	10.232	353.50	.46126	90.304
#1	.00124	-.00127	-.02419	-.00035	3.4906	.00060
#2	.00025	-.00001	-.02092	.00082	3.4679	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6962.2**	**90311.**	**8913.3**
Stddev	2.8	271.	27.1
%RSD	.03963	.30045	.30409
#1	6960.3	90119.	8932.5
#2	6964.2	90503.	8894.2

Sample Name: 280-46529-b-1-gSD@5 Acquired: 9/25/2013 22:40:01 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192693 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.05080**	**.00090**	**.04015**	**.01776**	**-.00001**	**.00341**	**1.9775**	**.03721**	**.00059**
Stddev	.00017	.00021	.00078	.00164	.00038	.00004	.00073	.0033	.00015	.00000
%RSD	32.022	.41555	86.717	4.0763	2.1209	409.36	21.484	.16765	.40110	.56461
#1	.00064	.05065	.00035	.04131	.01750	-.00004	.00393	1.9798	.03732	.00059
#2	.00040	.05095	.00146	.03899	.01803	.00002	.00289	1.9751	.03711	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00014**	**.38817**	**.52345**	**.80806**	**.20055**	**.01603**	**.00191**	**55.261**	**.00799**
Stddev	.00003	.00026	.00106	.03859	.00339	.00149	.00003	.00002	.243	.00037
%RSD	2.9823	189.85	.27373	7.3716	.41994	.74214	.18683	.98004	.43908	4.6535
#1	.00082	-.00005	.38741	.55073	.81046	.20160	.01601	.00192	55.432	.00825
#2	.00086	.00032	.38892	.49616	.80566	.19950	.01605	.00189	55.089	.00772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20801**	**.00117**	**.26277**	**.01078**	**-.00453**	**.09535**	**.20406**	**.00493**	**.00964**	**.00139**
Stddev	.00117	.00118	.00175	.00022	.00172	.01077	.02306	.00000	.00010	.00061
%RSD	.56251	101.09	.66638	2.0273	37.932	11.299	11.299	.05326	1.0249	43.582
#1	.20884	.00200	.26401	.01063	-.00331	.08774	.18775	.00493	.00957	.00096
#2	.20719	.00033	.26153	.01094	-.00574	.10297	.22036	.00493	.00971	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00199**	**-.03591**	**.00011**	**.70249**	**-.00116**
Stddev	.00003	.00039	.00044	.00016	.00587	.00060
%RSD	36.045	19.543	1.2232	147.24	.83549	51.407
#1	.00006	.00227	-.03622	.00000	.69834	-.00159
#2	.00010	.00172	-.03560	.00022	.70664	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7154.1**	**92725.**	**8829.4**
Stddev	6.4	30.	83.5
%RSD	.08988	.03209	.94606
#1	7149.5	92746.	8888.5
#2	7158.6	92704.	8770.4

Sample Name: 280-46529-b-1-h ms Acquired: 9/25/2013 22:42:21 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192693 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21697	.56993	.85200	.34168	2.5958	.01027	F .41420	20.501	.43126	.10459
Stddev	.00008	.00281	.00241	.00192	.0046	.00007	.00455	.058	.00172	.00070
%RSD	.03576	.49352	.28245	.56224	.17769	.65612	1.0978	.28411	.39929	.67180
#1	.21692	.57191	.85370	.34304	2.5925	.01022	.41742	20.460	.43248	.10509
#2	.21703	.56794	.85029	.34032	2.5990	.01032	.41099	20.542	.43005	.10409
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0742	.47699	.80417	12.731	W 4.5544	10.750	.17720	.21950	305.45	.14383
Stddev	.0048	.00120	.00383	.041	.0183	.006	.00048	.00075	.92	.00059
%RSD	.44394	.25088	.47603	.32038	.40279	.05648	.27324	.34260	.30108	.41279
#1	1.0776	.47784	.80688	12.702	4.5415	10.746	.17686	.22003	304.80	.14425
#2	1.0708	.47615	.80146	12.760	4.5674	10.755	.17754	.21896	306.10	.14341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					2.0000					
Low Limit					-.01000					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.3430	1.1311	1.3484	.15499	.62682	2.4840	5.3159	.43017	.25656	.19684
Stddev	.0137	.0075	.0045	.00152	.00008	.0053	.0115	.00196	.00027	.00226
%RSD	.41043	.66368	.33264	.98239	.01204	.21551	.21551	.45519	.10592	1.1488
#1	3.3527	1.1364	1.3516	.15607	.62677	2.4878	5.3240	.43156	.25636	.19844
#2	3.3333	1.1258	1.3452	.15391	.62688	2.4803	5.3078	.42879	.25675	.19524
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21090	.38695	.42748	.10356	4.2849	.10348
Stddev	.00084	.00071	.04768	.00068	.0020	.00006
%RSD	.39730	.18307	11.155	.65910	.04606	.05843
#1	.21149	.38745	.39376	.10307	4.2863	.10343
#2	.21031	.38645	.46120	.10404	4.2835	.10352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6972.5	89590.	8946.7
Stddev	14.0	358.	25.9
%RSD	.20110	.39979	.28954
#1	6962.6	89844.	8965.0
#2	6982.5	89337.	8928.4

Sample Name: 280-46529-b-1-i msd Acquired: 9/25/2013 22:44:38 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192693 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20663	.54716	.81636	.32698	2.4915	.00981	F .39711	19.676	.41453	.10051
Stddev	.00076	.00116	.00479	.00174	.0053	.00000	.00295	.031	.00009	.00015
%RSD	.36699	.21211	.58655	.53094	.21369	.02267	.74248	.15635	.02230	.14862
#1	.20609	.54798	.81298	.32575	2.4878	.00981	.39503	19.654	.41447	.10040
#2	.20716	.54634	.81975	.32821	2.4953	.00981	.39920	19.697	.41460	.10061
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0326	.45604	.77475	12.302	W 4.3708	10.309	.17062	.21095	293.19	.13867
Stddev	.0031	.00096	.00134	.016	.0112	.038	.00006	.00015	.59	.00024
%RSD	.30355	.21088	.17333	.13275	.25719	.36831	.03254	.07297	.20099	.17260
#1	1.0348	.45536	.77380	12.313	4.3629	10.282	.17066	.21084	292.78	.13850
#2	1.0304	.45672	.77570	12.290	4.3788	10.336	.17058	.21106	293.61	.13884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					2.0000					
Low Limit					-.01000					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.2058	1.0892	1.2928	.14968	.60830	2.3538	5.0371	.41145	.24598	.18916
Stddev	.0095	.0015	.0056	.00202	.00309	.0287	.0613	.00075	.00042	.00089
%RSD	.29758	.13845	.43309	1.3502	.50826	1.2175	1.2175	.18120	.16962	.47265
#1	3.1991	1.0882	1.2889	.15111	.60612	2.3335	4.9937	.41092	.24568	.18979
#2	3.2125	1.0903	1.2968	.14825	.61049	2.3740	5.0805	.41198	.24627	.18853
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20245	.37308	.38155	.09863	4.0983	.09796
Stddev	.00042	.00105	.01175	.00025	.0092	.00064
%RSD	.20730	.28027	3.0800	.25431	.22508	.65351
#1	.20215	.37234	.37324	.09880	4.0918	.09751
#2	.20274	.37382	.38986	.09845	4.1048	.09841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6990.3	89838.	8922.5
Stddev	25.3	404.	13.6
%RSD	.36198	.44919	.15273
#1	6972.4	90123.	8912.9
#2	7008.1	89552.	8932.1

Sample Name: CCVH-2271055 Acquired: 9/25/2013 22:46:55 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00408**	**49.364**	**.00415**	**.00989**	**.00088**	**-.00005**	**.99166**	**.01759**	**.00051**	**-.00034**	**-.00062**	**-.00684**	**49.066**
Stddev	.00067	.101	.00198	.00061	.00056	.00004	.00167	.00045	.00028	.00007	.00033	.00045	.072
%RSD	16.431	.20360	47.668	6.1860	63.089	87.552	.16814	2.5340	54.222	21.614	53.852	6.5555	.14765
#1	-.00456	49.435	.00555	.00946	.00127	-.00002	.99284	.01727	.00070	-.00028	-.00086	-.00652	49.117
#2	-.00361	49.293	.00275	.01032	.00049	-.00008	.99048	.01790	.00031	-.00039	-.00039	-.00716	49.015
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23918**	**.00195**	**-.08076**	**-.00056**	**-.00041**	**254.74**	**.00049**	**.00355**	**.00110**	**4.8618**	**.00261**	**-.00577**	**-.00763**
Stddev	.01417	.00006	.00332	.00005	.00004	.19	.00040	.00210	.00169	.0066	.00030	.00259	.00228
%RSD	5.9225	3.0196	4.1106	8.4043	8.6685	.07375	82.464	59.222	152.85	.13678	11.353	44.931	29.952
#1	.24920	.00191	-.07841	-.00052	-.00043	254.61	.00020	.00503	.00230	4.8665	.00240	-.00393	-.00601
#2	.22916	.00199	-.08310	-.00059	-.00038	254.87	.00077	.00206	-.00009	4.8571	.00282	-.00760	-.00924
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01632**	**.00154**	**.00042**	**4.8162**	**.00746**	**.00143**	**10.016**	**-.00022**	**.00118**	**-.03572**
Stddev	.00489	.00035	.00001	.0121	.00033	.00052	.043	.00010	.00018	.00045
%RSD	29.952	22.392	1.2509	.25100	4.4587	36.155	.42513	47.632	15.506	1.2613
#1	-.01286	.00130	.00041	4.8077	.00723	.00106	9.9859	-.00015	.00105	-.03540
#2	-.01978	.00179	.00042	4.8248	.00770	.00179	10.046	-.00029	.00131	-.03604
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.5**	**88449.**	**8614.7**
Stddev	58.4	441.	7.6
%RSD	.85405	.49847	.08812
#1	6878.8	88761.	8609.3
#2	6796.2	88137.	8620.0

Sample Name: CCV-2271054 Acquired: 9/25/2013 22:49:13 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49940**	**.51326**	**1.0012**	**.50811**	**.49619**	**.48562**	**.00542**	**4.9525**	**.50382**	**.50424**	**.50216**	**.50004**	**2.4596**
Stddev	.00116	.00032	.0019	.00194	.00214	.00295	.00095	.0171	.00106	.00049	.00122	.00004	.0103
%RSD	.23173	.06159	.19415	.38272	.43046	.60712	17.528	.34441	.21061	.09734	.24219	.00801	.41656
#1	.50021	.51304	.99982	.50673	.49468	.48354	.00609	4.9405	.50307	.50458	.50302	.50007	2.4524
#2	.49858	.51349	1.0026	.50948	.49770	.48771	.00475	4.9646	.50457	.50389	.50130	.50001	2.4669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.567**	**.99359**	**19.756**	**.49645**	**.50224**	**5.2127**	**.50594**	**.99318**	**1.0214**	**-.00037**	**.97300**	**1.0008**	**4.8968**
Stddev	.054	.00705	.013	.00021	.00124	.0201	.00047	.00055	.0039	.00355	.00568	.0036	.0005
%RSD	.10695	.70929	.06717	.04246	.24717	.38643	.09248	.05524	.38105	963.41	.58427	.35717	.01026
#1	50.529	.98860	19.766	.49660	.50312	5.1984	.50627	.99357	1.0241	.00214	.97702	1.0033	4.8964
#2	50.606	.99857	19.747	.49630	.50136	5.2269	.50561	.99279	1.0186	-.00288	.96898	.99828	4.8971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.479**	**1.0033**	**.49340**	**-.00367**	**.49521**	**1.0171**	**-.02516**	**.49601**	**.49718**	**.49335**
Stddev	.001	.0033	.00131	.00169	.00037	.0006	.03069	.00216	.00008	.00057
%RSD	.01026	.32541	.26506	45.946	.07502	.05900	122.02	.43454	.01534	.11456
#1	10.478	1.0056	.49247	-.00248	.49547	1.0175	-.04686	.49754	.49712	.49295
#2	10.480	1.0010	.49432	-.00486	.49494	1.0167	-.00345	.49449	.49723	.49375
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7056.0**	**91291.**	**8639.1**
Stddev	24.3	295.	75.3
%RSD	.34447	.32274	.87197
#1	7073.2	91499.	8585.9
#2	7038.8	91083.	8692.4

Sample Name: CCB Acquired: 9/25/2013 22:51:21 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00144**	**.00178**	F **.00719**	**.00023**	**.00013**	**.00199**	**.00241**	**-.00001**	**-.00001**	**.00024**
Stddev	.00068	.00024	.00475	.00065	.00004	.00000	.00330	.00336	.00017	.00003	.00005
%RSD	127.49	16.807	266.29	8.9825	17.790	3.3057	165.77	139.40	1253.9	346.06	21.819
#1	.00101	.00127	.00515	.00765	.00020	.00013	-.00034	.00479	-.00014	-.00003	.00020
#2	.00005	.00161	-.00158	.00674	.00025	.00013	.00432	.00003	.00011	.00001	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00469**	**.14259**	**.00219**	**.00610**	**.00002**	**.00067**	**.08668**	**-.00008**	**-.00232**	**-.00073**
Stddev	.00031	.00013	.02510	.00185	.00231	.00002	.00047	.00746	.00010	.00045	.00072
%RSD	54.895	2.6805	17.601	84.103	37.884	91.256	70.869	8.6053	119.12	19.195	98.261
#1	-.00034	.00477	.16034	.00350	.00774	.00001	.00100	.08141	-.00001	-.00264	-.00022
#2	-.00078	.00460	.12484	.00089	.00447	.00004	.00033	.09196	-.00015	-.00201	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00818**	F **.01691**	W **-.00603**	**.01376**	**.02944**	**.00047**	**.00011**	**-.00009**	**.00005**	**.00105**	**-.00946**
Stddev	.00225	.00776	.00407	.01893	.04050	.00018	.00010	.00193	.00010	.00094	.00374
%RSD	27.489	45.862	67.526	137.57	137.57	39.417	94.642	2038.2	183.63	89.657	39.567
#1	.00659	.01143	-.00315	.02714	.05808	.00034	.00018	-.00146	.00012	.00038	-.01211
#2	.00977	.02240	-.00890	.00037	.00080	.00059	.00004	.00127	-.00002	.00171	-.00682
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00016**	**.00085**	**.00076**
Stddev	.00015	.00033	.00102
%RSD	94.486	39.146	133.41
#1	.00005	.00062	.00004
#2	.00026	.00109	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6770.9**	**88758.**	**8250.4**
Stddev	9.3	18.	55.1
%RSD	.13808	.01976	.66751
#1	6764.2	88771.	8289.3
#2	6777.5	88746.	8211.4

Sample Name: CCVL2271034 Acquired: 9/25/2013 22:53:38 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10998**	**.01841**	**.10454**	**.01052**	**.00097**	**.10956**	**.21111**	**.00522**	**.01097**	**.01065**	**.01493**	**.10445**
Stddev	.00043	.00042	.00292	.00041	.00063	.00014	.00397	.00069	.00011	.00003	.00003	.00001	.00021
%RSD	4.2872	.38180	15.836	.39312	5.9672	14.663	3.6222	.32605	2.0985	.28306	.31535	.04083	.19866
#1	.01034	.10968	.02047	.10425	.01007	.00087	.11237	.21160	.00530	.01095	.01063	.01493	.10459
#2	.00973	.11027	.01635	.10483	.01096	.00107	.10676	.21063	.00514	.01099	.01068	.01492	.10430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2831**	**.01032**	**.21473**	**.01034**	**.02020**	**1.1992**	**.04228**	**2.9271**	**.01015**	**.01470**	F **.01374**	F **.00795**	**.50593**
Stddev	.0498	.00083	.00314	.00000	.00015	.0249	.00004	.0004	.00066	.00042	.00252	.00227	.00883
%RSD	1.5159	8.0431	1.4610	.02880	.72118	2.0786	.09494	.01359	6.5423	2.8402	18.360	28.514	1.7446
#1	3.2479	.00973	.21252	.01034	.02010	1.1816	.04231	2.9274	.01062	.01499	.01553	.00956	.49969
#2	3.3183	.01090	.21695	.01034	.02031	1.2168	.04225	2.9269	.00968	.01440	.01196	.00635	.51217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0827**	**.10410**	**.01023**	**.01354**	**.01000**	**.01799**	**.06235**	**.00982**	**.02244**	**.01301**
Stddev	.0189	.00011	.00010	.00070	.00022	.00026	.04327	.00028	.00020	.00225
%RSD	1.7446	.10413	1.0156	5.1642	2.2487	1.4479	69.404	2.8431	.89818	17.262
#1	1.0693	.10402	.01016	.01305	.01016	.01817	.09295	.01002	.02229	.01142
#2	1.0960	.10418	.01030	.01404	.00984	.01780	.03175	.00962	.02258	.01460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6797.8**	**88796.**	**8127.2**
Stddev	13.2	442.	9.5
%RSD	.19359	.49795	.11717
#1	6807.1	89108.	8134.0
#2	6788.5	88483.	8120.5

Sample Name: mb 280-192737/1-a Acquired: 9/25/2013 22:55:57 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.02949**	**.00013**	**.01049**	**.00102**	**.00001**	**.00006**	W **.14457**	**-.00012**	**.00013**
Stddev	.00117	.00001	.00270	.00003	.00008	.00010	.00016	.00228	.00001	.00005
%RSD	426.92	.03353	2080.9	.27799	7.7854	759.03	250.11	1.5777	6.7956	37.484
#1	.00110	.02949	-.00178	.01047	.00108	-.00006	-.00005	.14295	-.00013	.00017
#2	-.00055	.02948	.00204	.01051	.00097	.00008	.00017	.14618	-.00012	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00041**	**.03550**	**.11566**	**.00411**	**.01915**	**.00079**	**.00016**	**.17444**	**.00051**
Stddev	.00011	.00030	.00149	.03574	.00266	.00015	.00004	.00024	.02082	.00029
%RSD	35.477	72.383	4.2021	30.905	64.749	.78962	5.2023	144.56	11.935	55.925
#1	.00024	.00062	.03656	.14093	.00223	.01905	.00082	.00033	.18917	.00071
#2	.00039	.00020	.03445	.09038	.00599	.01926	.00076	.00000	.15972	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.00168**	**.02005**	**.00113**	**-.00556**	**.04977**	**.10651**	**.00873**	**.00040**	**.00075**
Stddev	.00070	.00014	.00370	.00170	.00292	.00320	.00684	.00014	.00006	.00112
%RSD	18.407	8.4466	18.431	150.04	52.566	6.4242	6.4242	1.6291	14.855	149.80
#1	.00329	.00178	.01744	-.00007	-.00349	.05203	.11135	.00884	.00036	.00154
#2	.00427	.00158	.02266	.00233	-.00762	.04751	.10167	.00863	.00044	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00099**	**-.03515**	**.00032**	**.00451**	**-.00079**
Stddev	.00012	.00065	.00625	.00026	.00006	.00067
%RSD	85.979	65.683	17.793	82.301	1.3941	85.565
#1	.00006	.00053	-.03957	.00013	.00455	-.00031
#2	.00023	.00144	-.03073	.00050	.00447	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7179.1**	**94715.**	**8566.0**
Stddev	59.1	516.	30.0
%RSD	.82308	.54514	.34981
#1	7137.3	94350.	8544.9
#2	7220.8	95080.	8587.2

Sample Name: lcs 280-192737/2-a Acquired: 9/25/2013 22:58:14 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04605**	**1.9118**	**.98714**	**1.0668**	**1.9411**	**.04723**	**1.9653**	**47.529**	**.09891**	**.47479**
Stddev	.00025	.0034	.00580	.0008	.0017	.00005	.0068	.091	.00021	.00042
%RSD	.54728	.17724	.58739	.07690	.08861	.11585	.34458	.19189	.21362	.08746
#1	.04623	1.9142	.99124	1.0674	1.9398	.04727	1.9701	47.465	.09905	.47508
#2	.04587	1.9094	.98304	1.0662	1.9423	.04719	1.9605	47.594	.09876	.47450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19539**	**.24137**	**.96828**	**49.064**	**.96436**	**47.000**	**.47535**	**.96772**	**49.902**	**.48116**
Stddev	.00011	.00051	.00356	.052	.00192	.040	.00043	.00190	.016	.00011
%RSD	.05764	.21311	.36806	.10541	.19924	.08428	.09108	.19668	.03248	.02267
#1	.19547	.24100	.96576	49.027	.96572	47.028	.47505	.96907	49.890	.48124
#2	.19532	.24173	.97080	49.100	.96300	46.972	.47566	.96638	49.913	.48108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7774**	**.48809**	**.01850**	**.46801**	**1.9078**	**1.4935**	**3.1962**	**1.9113**	**.96171**	**.91274**
Stddev	.0187	.00201	.00053	.00021	.0094	.0182	.0389	.0040	.00188	.00525
%RSD	.19134	.41169	2.8693	.04397	.49157	1.2171	1.2171	.20810	.19501	.57537
#1	9.7907	.48951	.01888	.46787	1.9144	1.4807	3.1687	1.9141	.96038	.91645
#2	9.7642	.48666	.01813	.46816	1.9012	1.5064	3.2237	1.9085	.96304	.90903
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96307**	**1.8898**	**1.9851**	**.48379**	**.47156**	**.47041**
Stddev	.00063	.0014	.0028	.00095	.00075	.00076
%RSD	.06505	.07633	.14146	.19574	.15983	.16254
#1	.96351	1.8888	1.9831	.48312	.47210	.46987
#2	.96262	1.8908	1.9871	.48446	.47103	.47095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.2**	**88869.**	**8514.1**
Stddev	6.7	460.	18.8
%RSD	.09821	.51706	.22130
#1	6805.9	89194.	8500.8
#2	6796.5	88545.	8527.4

Sample Name: 280-46974-a-1-a Acquired: 9/25/2013 23:00:22 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00255**	**236.58**	**.04779**	**.05168**	**2.3058**	**.00713**	**.02929**	**26.941**	**.00171**	**.08004**
Stddev	.00022	.33	.00366	.00079	.0008	.00003	.00066	.013	.00000	.00031
%RSD	8.5100	.14007	7.6697	1.5240	.03350	.48060	2.2507	.04763	.27684	.38751
#1	-.00239	236.82	.04519	.05112	2.3053	.00711	.02975	26.950	.00171	.07982
#2	-.00270	236.35	.05038	.05224	2.3064	.00716	.02882	26.932	.00171	.08026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18822**	**.12272**	**177.53**	**41.652**	**.13221**	**55.698**	**4.4885**	**.00087**	**15.417**	**.10659**
Stddev	.00022	.00038	.80	.052	.00349	.063	.0113	.00009	.066	.00020
%RSD	.11648	.31255	.45138	.12589	2.6402	.11371	.25089	10.519	.42721	.18317
#1	.18838	.12299	176.96	41.689	.13468	55.743	4.4805	.00081	15.371	.10673
#2	.18807	.12245	178.09	41.615	.12975	55.653	4.4965	.00094	15.464	.10645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67981**	**.08874**	**1.1940**	**.00155**	W **-.00602**	**3.2243**	**6.9000**	**.01072**	**.27595**	**.05973**
Stddev	.00166	.00043	.0106	.00201	.00138	.0450	.0964	.00053	.00016	.00044
%RSD	.24361	.48838	.88558	129.40	22.916	1.3968	1.3968	4.9569	.05761	.73228
#1	.67864	.08904	1.1866	.00297	-.00504	3.1925	6.8319	.01110	.27606	.05943
#2	.68098	.08843	1.2015	.00013	-.00699	3.2562	6.9682	.01034	.27584	.06004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1298**	**.00088**	F **-.28843**	**.36715**	**.35865**	**.03531**
Stddev	.0021	.00106	.02630	.00158	.00031	.00129
%RSD	.18843	120.62	9.1179	.42991	.08645	3.6654
#1	1.1313	.00013	-.30703	.36603	.35843	.03623
#2	1.1283	.00163	-.26984	.36826	.35887	.03440
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8328.8**	**101890.**	**10299.**
Stddev	19.3	916.	23.
%RSD	.23172	.89871	.22612
#1	8315.2	101240.	10282.
#2	8342.5	102540.	10315.

Sample Name: 280-46974-a-1-aSD@5 Acquired: 9/25/2013 23:02:43 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00047**	k **54.870**	k **.01020**	**.01688**	**.53320**	k **.00156**	k **.01283**	**6.3443**	k **.00061**	k **.01992**
Stddev	.00061	.055	.00178	.00004	.00209	.00012	.00248	.0032	.00019	.00004
%RSD	129.93	.09955	17.470	.25852	.39104	7.5987	19.288	.05096	31.348	.18447
#1	k -.00004	k 54.908	k .01147	.01684	.53173	k .00148	k .01108	6.3421	k .00074	k .01995
#2	k -.00090	k 54.831	k .00894	.01691	.53468	k .00165	k .01458	6.3466	k .00047	k .01989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04342**	k **.02814**	k **42.062**	**9.7741**	k **.03051**	k **12.744**	k **1.0408**	k **.00023**	**3.3234**	k **.02742**
Stddev	.00038	.00004	.411	.0368	.00036	.007	.0009	.00006	.0132	.00025
%RSD	.86411	.14338	.97706	.37693	1.1753	.05495	.08286	26.570	.39736	.89834
#1	k .04368	k .02817	k 41.772	9.7481	k .03025	k 12.739	k 1.0415	k .00028	3.3141	k .02760
#2	k .04315	k .02812	k 42.353	9.8002	k .03076	k 12.749	k 1.0402	k .00019	3.3327	k .02725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.15654**	k **.01880**	k **.29267**	k **.00378**	k **-.00315**	k **.73785**	k **1.5790**	k **.00206**	**.06443**	k **.05020**
Stddev	.00083	.00224	.00301	.00324	.00187	.01653	.0354	.00037	.00051	.00171
%RSD	.53079	11.889	1.0284	85.570	59.228	2.2400	2.2400	18.138	.79833	3.4076
#1	k .15713	k .01722	k .29480	k .00607	k -.00448	k .72616	k 1.5540	k .00232	.06407	k .04899
#2	k .15595	k .02038	k .29054	k .00149	k -.00183	k .74954	k 1.6040	k .00179	.06480	k .05141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.25667**	k **.00027**	kW **-.05266**	k **.08097**	k **.08716**	k **.00517**
Stddev	.00044	.00066	.01109	.00047	.00014	.00215
%RSD	.16995	241.00	21.063	.58061	.15705	41.597
#1	k .25698	k -.00019	k -.04481	k .08130	k .08726	k .00669
#2	k .25636	k .00074	k -.06050	k .08064	k .08706	k .00365
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7340.5**	**93110.**	**8955.5**
Stddev	6.8	66.	167.8
%RSD	.09268	.07126	1.8734
#1	7345.3	93157.	9074.1
#2	7335.7	93063.	8836.8

Sample Name: 280-46974-a-1-b ms Acquired: 9/25/2013 23:04:59 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03715**	**241.92**	**.82626**	**.80825**	**2.8235**	**.04372**	F **1.5965**	**58.706**	**.08108**	**.45653**
Stddev	.00071	.76	.00638	.00276	.0002	.00027	.0025	.163	.00011	.00079
%RSD	1.9220	.31478	.77190	.34143	.00807	.62145	.15770	.27801	.13840	.17226
#1	.03765	241.39	.82175	.81020	2.8233	.04353	1.5947	58.590	.08116	.45709
#2	.03664	242.46	.83077	.80630	2.8236	.04392	1.5983	58.821	.08100	.45598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33856**	**.33437**	**169.74**	**79.238**	**.89821**	**82.875**	**5.2932**	**.70751**	**48.941**	**.47713**
Stddev	.00031	.00029	.14	.180	.00544	.025	.0459	.00001	.851	.00069
%RSD	.09062	.08613	.08065	.22780	.60520	.02983	.86644	.00158	1.7395	.14520
#1	.33877	.33417	169.84	79.110	.89437	82.893	5.2608	.70751	48.339	.47664
#2	.33834	.33458	169.65	79.365	.90206	82.858	5.3256	.70750	49.543	.47762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3943**	**.53771**	**1.0463**	**.13206**	**1.4950**	**5.9993**	**12.839**	**1.4265**	**.97397**	**.81367**
Stddev	.0107	.00083	.0020	.00280	.0028	.0351	.075	.0010	.00018	.00131
%RSD	.12763	.15507	.18995	2.1236	.18787	.58514	.58514	.07005	.01835	.16064
#1	8.4018	.53830	1.0449	.13008	1.4969	6.0241	12.892	1.4258	.97409	.81460
#2	8.3867	.53712	1.0477	.13405	1.4930	5.9745	12.785	1.4272	.97384	.81275
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8590**	**1.4141**	**1.3483**	**.87790**	**.76319**	**.41598**
Stddev	.0053	.0016	.0001	.00100	.00326	.00033
%RSD	.10930	.11328	.01049	.11440	.42677	.07867
#1	4.8553	1.4152	1.3484	.87719	.76089	.41575
#2	4.8628	1.4130	1.3482	.87861	.76550	.41621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8024.8**	**99475.**	**10200.**
Stddev	10.3	426.	4.
%RSD	.12785	.42831	.03458
#1	8017.6	99777.	10198.
#2	8032.1	99174.	10203.

Sample Name: 280-46974-a-1-c msd Acquired: 9/25/2013 23:07:15 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03792**	**244.32**	**.84570**	**.82854**	**2.8175**	**.04546**	F **1.6340**	**61.161**	**.08370**	**.46312**
Stddev	.00090	.29	.00575	.00007	.0055	.00015	.0047	.015	.00005	.00101
%RSD	2.3689	.12061	.67948	.00805	.19677	.32004	.28646	.02527	.05711	.21819
#1	.03728	244.53	.84164	.82850	2.8214	.04556	1.6307	61.150	.08374	.46383
#2	.03855	244.11	.84977	.82859	2.8136	.04535	1.6373	61.172	.08367	.46240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34497**	**.34759**	**175.82**	**82.564**	**.92718**	**83.495**	**5.2720**	**.73298**	**50.164**	**.48403**
Stddev	.00001	.00014	.03	.008	.00350	.117	.0056	.00006	.860	.00050
%RSD	.00185	.03990	.01860	.00932	.37746	.14061	.10539	.00791	1.7153	.10381
#1	.34498	.34749	175.84	82.569	.92470	83.412	5.2760	.73294	50.772	.48439
#2	.34497	.34769	175.79	82.558	.92965	83.578	5.2681	.73302	49.555	.48368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6613**	**.63503**	**1.0704**	**.13801**	**1.5272**	**5.9985**	**12.837**	**1.4749**	**1.0060**	**.83287**
Stddev	.0086	.00163	.0001	.00150	.0039	.0660	.141	.0092	.0013	.00225
%RSD	.09991	.25649	.00926	1.0875	.25454	1.0996	1.0996	.62358	.13058	.27020
#1	8.6551	.63618	1.0703	.13695	1.5300	6.0451	12.937	1.4684	1.0070	.83446
#2	8.6674	.63388	1.0704	.13907	1.5245	5.9518	12.737	1.4814	1.0051	.83128
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8505**	**1.4563**	**1.4005**	**.89746**	**.83724**	**.43510**
Stddev	.0020	.0038	.0123	.00188	.00101	.00016
%RSD	.04069	.26019	.87501	.20937	.12032	.03710
#1	4.8491	1.4536	1.4092	.89613	.83653	.43521
#2	4.8519	1.4590	1.3918	.89878	.83795	.43498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7995.1**	**99274.**	**10038.**
Stddev	5.1	138.	16.
%RSD	.06381	.13884	.16210
#1	7998.7	99372.	10027.
#2	7991.5	99177.	10050.

Sample Name: 280-46974-a-1-aPDS Acquired: 9/25/2013 23:09:30 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04048**	**233.72**	**.20752**	**.12627**	**2.3463**	**.04686**	**.02865**	**42.502**	**.04254**	**.11716**
Stddev	.00025	.10	.00081	.00057	.0002	.00002	.00195	.070	.00002	.00063
%RSD	.60778	.04156	.39225	.45383	.00996	.04003	6.7937	.16374	.05010	.53707
#1	.04065	233.79	.20809	.12667	2.3465	.04685	.03003	42.551	.04252	.11760
#2	.04030	233.65	.20694	.12586	2.3461	.04688	.02727	42.452	.04255	.11671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22425**	**.16278**	**174.58**	**57.779**	**.21125**	**71.223**	**4.3991**	**.04070**	**31.448**	**.14377**
Stddev	.00120	.00037	.15	.046	.00007	.046	.0020	.00024	.023	.00125
%RSD	.53579	.22443	.08313	.08042	.03471	.06478	.04478	.57967	.07290	.86887
#1	.22510	.16304	174.48	57.746	.21120	71.190	4.3977	.04087	31.432	.14465
#2	.22340	.16252	174.68	57.812	.21131	71.256	4.4005	.04054	31.465	.14289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2359**	**.16321**	**1.1606**	**.07940**	**.15197**	**7.1468**	**15.294**	**.08859**	**.31164**	**.22242**
Stddev	.0126	.00086	.0044	.00060	.00183	.0180	.039	.00067	.00014	.00016
%RSD	.56449	.52939	.37533	.76160	1.2022	.25192	.25192	.76184	.04484	.06984
#1	2.2448	.16382	1.1636	.07897	.15068	7.1341	15.267	.08907	.31154	.22253
#2	2.2270	.16259	1.1575	.07982	.15327	7.1596	15.321	.08811	.31174	.22231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1574**	**.14986**	**.13003**	**.40424**	**.52068**	**.07293**
Stddev	.0011	.00225	.00278	.00085	.00091	.00013
%RSD	.09731	1.4995	2.1363	.21069	.17402	.18143
#1	1.1582	.15145	.12807	.40484	.52004	.07284
#2	1.1566	.14827	.13200	.40364	.52132	.07302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8068.2**	**99488.**	**10186.**
Stddev	11.0	383.	33.
%RSD	.13584	.38447	.32752
#1	8060.4	99758.	10163.
#2	8075.9	99217.	10210.

Sample Name: 280-46974-a-2-a Acquired: 9/25/2013 23:11:53 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00276**	**302.90**	**.05635**	**.07370**	**3.0588**	**.00892**	**.03675**	**33.165**	**.00217**	**.09610**
Stddev	.00025	.71	.00188	.00036	.0081	.00002	.00141	.096	.00009	.00007
%RSD	9.1198	.23362	3.3366	.48258	.26584	.20821	3.8304	.28865	4.2022	.07703
#1	-.00259	302.40	.05767	.07395	3.0530	.00891	.03575	33.098	.00211	.09615
#2	-.00294	303.40	.05502	.07345	3.0645	.00894	.03774	33.233	.00224	.09605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23611**	**.16146**	**221.01**	**51.576**	**.16905**	**67.029**	**4.8163**	**.00196**	**17.374**	**.14709**
Stddev	.00121	.00041	.80	.110	.00251	.072	.0211	.00013	.001	.00107
%RSD	.51118	.25693	.36141	.21315	1.4851	.10765	.43913	6.6249	.00751	.72591
#1	.23696	.16176	220.44	51.498	.17082	66.978	4.8313	.00206	17.373	.14785
#2	.23526	.16117	221.57	51.654	.16727	67.080	4.8013	.00187	17.375	.14634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0302**	**.23013**	**1.6429**	**.00292**	**-.00107**	**4.1210**	**8.8189**	**.01386**	**.38668**	**.07104**
Stddev	.0114	.00292	.0095	.00247	.00116	.0496	.1061	.00021	.00071	.00341
%RSD	1.1106	1.2695	.57502	84.363	108.23	1.2034	1.2034	1.5162	.18272	4.7942
#1	1.0383	.23219	1.6496	.00467	-.00190	4.0859	8.7438	.01401	.38618	.07345
#2	1.0221	.22806	1.6363	.00118	-.00025	4.1560	8.8939	.01371	.38718	.06863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1796**	**.00059**	F **-.34428**	**.46081**	**.52627**	**.04224**
Stddev	.0032	.00057	.04825	.00174	.00343	.00165
%RSD	.26796	96.144	14.015	.37867	.65197	3.9164
#1	1.1773	.00019	-.37840	.45957	.52384	.04107
#2	1.1818	.00099	-.31017	.46204	.52870	.04341
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8491.7**	**102790.**	**10526.**
Stddev	5.9	462.	38.
%RSD	.06903	.44910	.35898
#1	8487.5	103110.	10499.
#2	8495.8	102460.	10553.

Sample Name: 280-46974-a-3-e Acquired: 9/25/2013 23:14:15 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**161.63**	**.06048**	**.06246**	**2.4781**	**.00492**	**.03059**	**42.494**	**.00184**	**.07834**
Stddev	.00014	.15	.00070	.00074	.0014	.00001	.00269	.024	.00002	.00018
%RSD	5.3966	.09179	1.1615	1.1829	.05471	.29590	8.7787	.05627	1.3104	.23566
#1	-.00262	161.73	.05998	.06194	2.4772	.00493	.03249	42.511	.00186	.07821
#2	-.00242	161.52	.06098	.06298	2.4791	.00491	.02869	42.477	.00182	.07847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14068**	**.14198**	**145.76**	**33.753**	**.11565**	**41.204**	**3.8212**	**.00651**	**6.0868**	**.08653**
Stddev	.00025	.00038	.20	.030	.00307	.000	.0140	.00013	.0056	.00051
%RSD	.17539	.26469	.13632	.08872	2.6579	.00117	.36507	1.9579	.09114	.59073
#1	.14051	.14224	145.90	33.731	.11782	41.203	3.8310	.00660	6.0908	.08690
#2	.14086	.14171	145.62	33.774	.11348	41.204	3.8113	.00642	6.0829	.08617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5161**	**.47633**	**1.1506**	**.00198**	**-.00171**	**3.2669**	**6.9911**	**.01085**	**.27069**	**.04337**
Stddev	.0068	.00069	.0072	.00196	.00347	.0118	.0253	.00021	.00007	.00219
%RSD	.44685	.14525	.62327	98.883	202.64	.36238	.36238	1.9167	.02593	5.0532
#1	1.5209	.47682	1.1557	.00336	-.00417	3.2753	7.0090	.01071	.27074	.04182
#2	1.5114	.47584	1.1455	.00060	.00074	3.2585	6.9732	.01100	.27064	.04491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4717**	**.00072**	F **-.19997**	**.41010**	**.35320**	**.03959**
Stddev	.0002	.00129	.00109	.00000	.00056	.00024
%RSD	.01107	178.89	.54449	.00063	.15943	.61113
#1	1.4715	-.00019	-.20074	.41010	.35280	.03976
#2	1.4718	.00164	-.19920	.41009	.35360	.03942
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7918.6**	**99449.**	**9866.5**
Stddev	.8	122.	50.1
%RSD	.00977	.12275	.50820
#1	7919.2	99363.	9902.0
#2	7918.1	99536.	9831.1

Sample Name: CCVH-2271055 Acquired: 9/25/2013 23:16:34 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00335**	**48.757**	**.00277**	**.00448**	**.00118**	**-.00001**	**.99352**	**.02206**	**.00034**	**-.00057**	**-.00067**	**-.00683**
Stddev	.00046	.085	.00598	.00026	.00008	.00003	.00134	.00454	.00032	.00033	.00018	.00057
%RSD	13.676	.17433	215.95	5.8665	6.6711	397.65	.13497	20.564	94.534	58.439	27.223	8.3078
#1	-.00368	48.817	.00699	.00466	.00124	.00001	.99447	.02527	.00011	-.00033	-.00054	-.00723
#2	-.00303	48.697	-.00146	.00429	.00113	-.00003	.99257	.01885	.00057	-.00080	-.00080	-.00643
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.335**	**.23940**	**.00374**	**-.07343**	**.00023**	**-.00036**	**250.35**	**.00036**	**.00256**	**.00094**	**4.8299**	**.00320**
Stddev	.212	.01753	.00039	.00246	.00009	.00006	.36	.00017	.00039	.00040	.0231	.00042
%RSD	.43837	7.3205	10.394	3.3524	40.282	17.268	.14448	47.664	15.138	42.836	.47809	13.239
#1	48.185	.22701	.00347	-.07517	.00030	-.00040	250.60	.00024	.00283	.00066	4.8136	.00349
#2	48.485	.25180	.00402	-.07169	.00016	-.00032	250.09	.00048	.00229	.00123	4.8463	.00290
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00613**	**-.00032**	**-.00069**	**.00138**	**.00038**	W **4.7451**	**.00811**	**.00234**	**9.9021**	**.00022**	**.00015**	**-.03606**
Stddev	.00030	.00338	.00723	.00056	.00011	.0113	.00003	.00068	.0309	.00005	.00019	.00019
%RSD	4.9520	1046.1	1046.1	40.517	30.304	.23804	.33440	29.240	.31198	24.429	124.88	.51765
#1	-.00592	.00206	.00442	.00178	.00030	4.7531	.00809	.00186	9.8803	.00018	.00028	-.03619
#2	-.00635	-.00271	-.00580	.00099	.00046	4.7371	.00813	.00283	9.9240	.00026	.00002	-.03593
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.5**	**88400.**	**8546.7**
Stddev	34.3	133.	13.0
%RSD	.49038	.15031	.15244
#1	6970.3	88306.	8555.9
#2	7018.8	88494.	8537.5

Sample Name: CCV-2271054 Acquired: 9/25/2013 23:18:53 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50677**	**.51670**	**1.0103**	**.51018**	**.50042**	**.49010**	**.00465**	**4.9686**	**.50685**	**.50519**	**.50236**	**.50949**	**2.4750**
Stddev	.00348	.00167	.0059	.00189	.00005	.00098	.00188	.0133	.00062	.00022	.00030	.00404	.0038
%RSD	.68632	.32297	.58051	.37073	.00928	.20088	40.523	.26744	.12166	.04298	.05961	.79270	.15362
#1	.50431	.51788	1.0062	.50884	.50039	.49080	.00598	4.9780	.50641	.50534	.50257	.50664	2.4776
#2	.50923	.51552	1.0145	.51151	.50045	.48940	.00332	4.9592	.50729	.50503	.50215	.51235	2.4723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.753**	**.99835**	**19.949**	**.50205**	**.50163**	**5.1864**	**.50918**	**1.0012**	**1.0233**	**.00033**	**.97890**	**1.0080**	**4.9174**
Stddev	.153	.00253	.163	.00379	.00143	.0195	.00178	.0017	.0022	.00169	.00393	.0089	.0576
%RSD	.30195	.25353	.81485	.75574	.28447	.37577	.34976	.17155	.21068	519.48	.40189	.88116	1.1707
#1	50.861	.99656	19.834	.49937	.50062	5.2002	.50792	.99994	1.0217	-.00087	.98169	1.0017	4.8767
#2	50.644	1.0001	20.063	.50473	.50264	5.1726	.51044	1.0024	1.0248	.00152	.97612	1.0143	4.9581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.523**	**1.0035**	**.49813**	**-.00308**	**.50040**	**1.0177**	**-.00775**	**.50036**	**.49965**	**.49775**
Stddev	.123	.0013	.00083	.00027	.00385	.0003	.00720	.00359	.00603	.00301
%RSD	1.1707	.12794	.16578	8.6808	.77021	.03014	92.940	.71800	1.2076	.60482
#1	10.436	1.0026	.49871	-.00289	.49768	1.0175	-.00266	.49782	.49538	.49562
#2	10.610	1.0044	.49754	-.00327	.50313	1.0179	-.01284	.50290	.50392	.49988
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7188.3**	**92794.**	**8835.2**
Stddev	1.5	703.	45.9
%RSD	.02080	.75787	.51966
#1	7189.3	93291.	8802.7
#2	7187.2	92297.	8867.7

Sample Name: CCB Acquired: 9/25/2013 23:21:02 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00611**	**.00129**	**.00327**	**.00022**	**.00012**	**.00079**	**.00272**	**-.00007**	**.00030**	**-.00005**	**-.00057**
Stddev	.00001	.00028	.00250	.00046	.00031	.00003	.00024	.00133	.00004	.00007	.00024	.00044
%RSD	2.5639	4.5695	192.90	13.958	137.18	26.160	29.610	49.024	61.267	23.205	477.59	76.226
#1	.00057	.00631	.00306	.00359	.00044	.00010	.00096	.00366	-.00004	.00025	.00012	-.00026
#2	.00059	.00591	-.00047	.00294	.00001	.00014	.00063	.00177	-.00010	.00035	-.00022	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**.22737**	W **.00495**	**.00566**	**.00013**	**.00043**	**.02141**	**-.00003**	**-.00064**	**-.00036**	**.00666**	F **.01676**
Stddev	.00165	.03377	.00038	.00002	.00002	.00024	.00172	.00018	.00080	.00138	.00196	.00341
%RSD	27.539	14.855	7.6905	.34337	19.352	56.000	8.0550	573.91	126.04	384.20	29.489	20.335
#1	.00717	.25125	.00468	.00568	.00011	.00026	.02263	.00009	-.00007	-.00134	.00527	.01435
#2	.00483	.20349	.00522	.00565	.00014	.00060	.02019	-.00016	-.00121	.00062	.00805	.01917
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261									.00628
Low Limit			-.00261									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00227**	**.00547**	**.01170**	**.00132**	**.00012**	**.00125**	**.00011**	**.00144**	**-.04567**	**.00002**	**.00112**	**-.00024**
Stddev	.00037	.01012	.02166	.00134	.00003	.00301	.00014	.00098	.10606	.00025	.00014	.00065
%RSD	16.132	185.04	185.04	102.13	28.619	240.91	128.71	67.586	232.22	1503.4	12.911	273.71
#1	-.00201	-.00169	-.00361	.00037	.00015	-.00088	.00001	.00213	.02932	.00020	.00122	.00022
#2	-.00253	.01263	.02702	.00227	.00010	.00337	.00020	.00075	-.12067	-.00016	.00102	-.00069
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7024.1**	**91760.**	**8553.7**
Stddev	1.7	231.	44.0
%RSD	.02489	.25224	.51405
#1	7022.8	91924.	8584.8
#2	7025.3	91597.	8522.6

Sample Name: CCVL2271034 Acquired: 9/25/2013 23:23:18 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00993**	**.10865**	**.01554**	**.09715**	**.01022**	**.00093**	**.10843**	**.20155**	**.00491**	**.01051**	**.01040**	**.01493**	**.10283**	**3.1771**
Stddev	.00052	.00005	.00109	.00065	.00010	.00003	.00201	.00307	.00004	.00007	.00021	.00037	.00024	.0020
%RSD	5.2845	.04866	7.0016	.67260	1.0178	2.7568	1.8581	1.5211	.74881	.61868	2.0004	2.4908	.23656	.06317
#1	.01030	.10861	.01477	.09761	.01014	.00091	.10701	.19939	.00489	.01056	.01055	.01520	.10300	3.1757
#2	.00956	.10869	.01630	.09669	.01029	.00094	.10986	.20372	.00494	.01047	.01026	.01467	.10266	3.1785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01296**	**.20564**	**.01012**	**.01974**	**1.0653**	**.04116**	**2.8571**	**.00913**	**.00434**	**.01220**	**.01220**	**.47551**	**1.0176**	**.10060**
Stddev	.00070	.00186	.00004	.00035	.0036	.00017	.0023	.00037	.00231	.00097	.00009	.01635	.0350	.00053
%RSD	5.4126	.90489	.35878	1.7603	.33850	.40906	.07918	4.0787	53.193	7.9848	.77709	3.4390	3.4390	.52730
#1	.01346	.20696	.01015	.01998	1.0679	.04128	2.8587	.00886	.00598	.01152	.01213	.46395	.99285	.10097
#2	.01247	.20433	.01010	.01949	1.0628	.04104	2.8555	.00939	.00271	.01289	.01227	.48707	1.0423	.10022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.01375**	**.00967**	**.01638**	**.05684**	**.00969**	**.02086**	**.01549**
Stddev	.00002	.00059	.00003	.00244	.00587	.00017	.00024	.00067
%RSD	.23202	4.2639	.30047	14.900	10.332	1.7296	1.1392	4.3182
#1	.00995	.01416	.00965	.01465	.06099	.00981	.02070	.01502
#2	.00992	.01333	.00969	.01811	.05268	.00957	.02103	.01597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7063.6**	**92040.**	**8486.0**
Stddev	14.8	169.	46.0
%RSD	.20892	.18403	.54223
#1	7074.0	91920.	8453.5
#2	7053.2	92160.	8518.5

Sample Name: 280-46974-a-4-a Acquired: 9/25/2013 23:25:37 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00276**	**134.30**	**.05118**	**.03552**	**.90756**	**.00460**	**.02655**	**21.110**	**.00193**	**.08538**
Stddev	.00012	.15	.00302	.00029	.00125	.00004	.00117	.022	.00011	.00030
%RSD	4.3688	.11088	5.8942	.81689	.13776	.80838	4.3957	.10336	5.9296	.35027
#1	-.00285	134.40	.04905	.03573	.90667	.00463	.02737	21.125	.00185	.08560
#2	-.00268	134.19	.05331	.03532	.90844	.00457	.02572	21.094	.00201	.08517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13211**	**.13243**	**121.94**	**30.088**	**.07736**	**31.529**	**5.0955**	**.00395**	**4.0660**	**.08436**
Stddev	.00032	.00028	.10	.004	.00155	.031	.0343	.00025	.0006	.00040
%RSD	.24391	.21336	.08165	.01168	1.9990	.09967	.67352	6.3538	.01380	.47383
#1	.13234	.13223	121.87	30.086	.07626	31.506	5.1198	.00377	4.0656	.08464
#2	.13188	.13263	122.01	30.091	.07845	31.551	5.0712	.00412	4.0664	.08408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2641**	**.30610**	**1.4660**	**.00033**	**-.00441**	**3.2881**	**7.0366**	**.01062**	**.16288**	**.05235**
Stddev	.0004	.00186	.0047	.00009	.00232	.0079	.0169	.00033	.00002	.00006
%RSD	.02762	.60623	.32396	26.758	52.656	.23979	.23979	3.0984	.01002	.12278
#1	1.2639	.30741	1.4694	.00027	-.00277	3.2826	7.0247	.01039	.16287	.05240
#2	1.2644	.30479	1.4626	.00040	-.00605	3.2937	7.0486	.01085	.16290	.05230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6326**	**.00121**	F **-.31791**	**.34593**	**.42263**	**.03393**
Stddev	.0018	.00181	.01374	.00108	.00114	.00066
%RSD	.11049	149.55	4.3205	.31207	.26913	1.9392
#1	1.6313	-.00007	-.32762	.34669	.42343	.03439
#2	1.6339	.00249	-.30819	.34517	.42183	.03346
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8369.9**	**103880.**	**10590.**
Stddev	6.5	286.	125.
%RSD	.07813	.27544	1.1760
#1	8374.5	104090.	10502.
#2	8365.3	103680.	10678.

Sample Name: 280-46974-a-5-a Acquired: 9/25/2013 23:27:55 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**153.00**	**.04838**	**.03673**	**1.9223**	**.00512**	**.02266**	**30.870**	**.00194**	**.09126**
Stddev	.00022	.10	.00038	.00053	.0014	.00011	.00019	.005	.00007	.00023
%RSD	9.2386	.06311	.77637	1.4445	.07237	2.2320	.85688	.01742	3.6244	.24966
#1	-.00218	152.93	.04865	.03710	1.9213	.00503	.02252	30.873	.00189	.09143
#2	-.00248	153.07	.04812	.03635	1.9232	.00520	.02280	30.866	.00199	.09110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14743**	**.16432**	**134.34**	**35.768**	**.09260**	**36.991**	**4.6481**	**.00346**	**3.5654**	**.08986**
Stddev	.00022	.00022	.13	.015	.00024	.030	.0523	.00001	.0080	.00058
%RSD	.14825	.13667	.10038	.04271	.25767	.08177	1.1258	.35935	.22366	.64192
#1	.14758	.16448	134.25	35.757	.09243	37.012	4.6851	.00347	3.5598	.09026
#2	.14728	.16416	134.44	35.778	.09276	36.969	4.6111	.00345	3.5710	.08945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2786**	**.50131**	**1.4410**	**.00365**	**-.00234**	**3.3071**	**7.0772**	**.01201**	**.20766**	**.05975**
Stddev	.0021	.00003	.0030	.00105	.00206	.0122	.0260	.00141	.00015	.00125
%RSD	.16168	.00554	.20603	28.780	88.014	.36781	.36781	11.785	.07284	2.0980
#1	1.2801	.50133	1.4431	.00291	-.00088	3.3157	7.0956	.01301	.20756	.05886
#2	1.2772	.50129	1.4389	.00439	-.00379	3.2985	7.0588	.01101	.20777	.06063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1393**	**.00036**	F **-.29541**	**.34777**	**.46121**	**.03420**
Stddev	.0005	.00156	.01218	.00100	.00035	.00055
%RSD	.04208	431.34	4.1221	.28710	.07598	1.6066
#1	1.1390	-.00074	-.28680	.34848	.46097	.03459
#2	1.1397	.00147	-.30402	.34707	.46146	.03381
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8462.0**	**105200.**	**10535.**
Stddev	8.3	425.	92.
%RSD	.09764	.40442	.87332
#1	8467.9	104900.	10470.
#2	8456.2	105500.	10600.

Sample Name: 280-46974-a-6-e Acquired: 9/25/2013 23:30:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**204.90**	**.05541**	**.07236**	**2.5816**	**.00608**	**.03187**	**66.789**	**.00225**	**.07806**
Stddev	.00054	1.20	.00060	.00043	.0094	.00004	.00141	.301	.00005	.00006
%RSD	34.047	.58525	1.0784	.59190	.36426	.71599	4.4272	.45057	2.2956	.07241
#1	-.00197	204.05	.05583	.07266	2.5749	.00611	.03287	66.576	.00221	.07802
#2	-.00120	205.75	.05499	.07206	2.5882	.00605	.03087	67.002	.00228	.07810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17161**	**.14806**	**170.93**	**43.257**	**.14028**	**53.552**	**3.7176**	**.00363**	**7.0491**	**.10073**
Stddev	.00022	.00062	.96	.281	.00301	.058	.0169	.00001	.0328	.00023
%RSD	.12878	.41925	.56433	.65048	2.1467	.10846	.45373	.16479	.46537	.22536
#1	.17146	.14762	170.25	43.058	.14241	53.511	3.7056	.00362	7.0259	.10089
#2	.17177	.14850	171.61	43.456	.13815	53.593	3.7295	.00363	7.0723	.10057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5571**	**.53054**	**1.3780**	**.00279**	**-.00349**	**3.6663**	**7.8459**	**.01136**	**.35471**	**.05152**
Stddev	.0051	.00103	.0014	.00205	.00473	.0056	.0119	.00062	.00113	.00032
%RSD	.32963	.19457	.09798	73.284	135.35	.15215	.15215	5.4867	.31958	.61746
#1	1.5535	.53127	1.3771	.00424	-.00684	3.6624	7.8374	.01180	.35391	.05175
#2	1.5607	.52981	1.3790	.00135	-.00015	3.6702	7.8543	.01092	.35551	.05130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4098**	**.00102**	F **-.29263**	**.39155**	**.46411**	**.04676**
Stddev	.0015	.00034	.00530	.00064	.00076	.00085
%RSD	.10901	33.377	1.8110	.16258	.16472	1.8209
#1	1.4087	.00078	-.29638	.39200	.46465	.04616
#2	1.4109	.00126	-.28888	.39110	.46357	.04736
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8146.1**	**101750.**	**10461.**
Stddev	28.0	139.	105.
%RSD	.34378	.13647	1.0056
#1	8165.9	101660.	10536.
#2	8126.3	101850.	10387.

Sample Name: 280-46974-a-7-a Acquired: 9/25/2013 23:32:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00218**	**220.28**	**.06246**	**.08772**	**2.9025**	**.00634**	**.03493**	**53.749**	**.00205**	**.10083**
Stddev	.00102	.11	.00381	.00068	.0022	.00001	.00002	.003	.00006	.00011
%RSD	46.759	.05051	6.1048	.77086	.07761	.09711	.06749	.00509	2.9547	.10782
#1	-.00290	220.21	.06515	.08724	2.9009	.00634	.03494	53.751	.00200	.10090
#2	-.00146	220.36	.05976	.08819	2.9041	.00635	.03491	53.747	.00209	.10075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20244**	**.15538**	**183.42**	**44.367**	**.15276**	**55.806**	**3.8852**	**.00532**	**7.5295**	**.10645**
Stddev	.00006	.00015	.26	.014	.00004	.114	.0429	.00021	.0381	.00028
%RSD	.02910	.09840	.14122	.03234	.02898	.20476	1.1051	3.9372	.50634	.26208
#1	.20249	.15549	183.24	44.357	.15279	55.725	3.9155	.00547	7.5026	.10625
#2	.20240	.15528	183.60	44.377	.15273	55.886	3.8548	.00517	7.5565	.10665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4127**	**.51511**	**1.4566**	**.00452**	**-.00409**	**3.6864**	**7.8889**	**.01239**	**.34139**	**.05548**
Stddev	.0069	.00085	.0015	.00143	.00317	.0177	.0379	.00028	.00037	.00058
%RSD	.48929	.16492	.10008	31.742	77.390	.48031	.48031	2.2347	.10832	1.0419
#1	1.4176	.51451	1.4577	.00553	-.00633	3.6739	7.8621	.01259	.34113	.05589
#2	1.4078	.51571	1.4556	.00350	-.00185	3.6989	7.9157	.01219	.34165	.05507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7729**	**-.00197**	F **-.28270**	**.44539**	**.42695**	**.04890**
Stddev	.0030	.00015	.01464	.00143	.00044	.00011
%RSD	.16907	7.4349	5.1781	.32172	.10331	.22934
#1	1.7751	-.00207	-.27235	.44640	.42664	.04882
#2	1.7708	-.00186	-.29305	.44438	.42726	.04898
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.0**	**100590.**	**10245.**
Stddev	16.9	117.	32.
%RSD	.20807	.11603	.31247
#1	8127.1	100500.	10222.
#2	8151.0	100670.	10267.

Sample Name: 280-46974-a-8-a Acquired: 9/25/2013 23:34:56 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**206.04**	**.07387**	**.05812**	**1.8794**	**.00662**	**.02966**	**35.141**	**.00215**	**.09375**
Stddev	.00024	.26	.00366	.00069	.0022	.00003	.00223	.087	.00010	.00041
%RSD	9.6846	.12399	4.9569	1.1802	.11602	.38007	7.5241	.24876	4.4384	.44030
#1	-.00235	205.86	.07646	.05763	1.8779	.00660	.02808	35.079	.00222	.09346
#2	-.00270	206.22	.07128	.05860	1.8809	.00664	.03124	35.203	.00208	.09404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18523**	**.16056**	**176.93**	**46.134**	**.12389**	**52.431**	**5.3169**	**.00311**	**6.7341**	**.11677**
Stddev	.00019	.00022	.26	.067	.00136	.041	.0446	.00014	.0186	.00021
%RSD	.10266	.13911	.14707	.14506	1.0964	.07900	.83914	4.4465	.27632	.18016
#1	.18509	.16040	176.75	46.086	.12293	52.460	5.2853	.00321	6.7210	.11662
#2	.18536	.16072	177.11	46.181	.12485	52.402	5.3484	.00301	6.7473	.11692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2925**	**.47566**	**1.1360**	**.00122**	W **-.00673**	**3.8463**	**8.2311**	**.01234**	**.27430**	**.06315**
Stddev	.0043	.00081	.0039	.00036	.00487	.0318	.0679	.00100	.00063	.00230
%RSD	.33309	.17111	.34558	29.522	72.299	.82557	.82557	8.0727	.22994	3.6481
#1	1.2955	.47624	1.1388	.00148	-.01017	3.8688	8.2792	.01164	.27386	.06478
#2	1.2894	.47509	1.1332	.00097	-.00329	3.8239	8.1831	.01305	.27475	.06152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1091**	**.00007**	F **-.35141**	**.48609**	**.51574**	**.04006**
Stddev	.0024	.00053	.00812	.00088	.00056	.00027
%RSD	.21239	729.89	2.3099	.18157	.10830	.67274
#1	1.1107	-.00030	-.34567	.48672	.51534	.04025
#2	1.1074	.00045	-.35715	.48547	.51613	.03987
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8306.2**	**103280.**	**10508.**
Stddev	28.1	117.	43.
%RSD	.33778	.11281	.40839
#1	8326.0	103200.	10478.
#2	8286.3	103360.	10539.

Sample Name: 280-46974-a-9-a Acquired: 9/25/2013 23:37:18 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00229**	**155.14**	**.05054**	**.04212**	**1.5662**	**.00485**	**.03161**	**41.610**	**.00234**	**.08721**
Stddev	.00014	.15	.00025	.00025	.0010	.00013	.00028	.063	.00001	.00009
%RSD	6.1968	.09974	.49103	.60120	.06128	2.7446	.87948	.15100	.57956	.10642
#1	-.00239	155.25	.05072	.04230	1.5669	.00476	.03181	41.655	.00235	.08714
#2	-.00219	155.03	.05037	.04194	1.5655	.00495	.03141	41.566	.00233	.08727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16125**	**.15650**	**140.66**	**36.669**	**.09447**	**41.150**	**5.3907**	**.00399**	**3.6127**	**.09217**
Stddev	.00001	.00075	.19	.078	.00051	.357	.0447	.00004	.0005	.00020
%RSD	.00540	.48068	.13272	.21386	.53869	.86874	.82841	.98578	.01381	.21809
#1	.16125	.15597	140.53	36.725	.09483	40.897	5.3591	.00396	3.6130	.09231
#2	.16124	.15703	140.79	36.614	.09411	41.403	5.4223	.00401	3.6123	.09202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4881**	**.81585**	**1.2093**	**.00441**	**-.00381**	**3.3487**	**7.1662**	**.01039**	**.20721**	**.04914**
Stddev	.0015	.00073	.0034	.00260	.00059	.0165	.0353	.00171	.00000	.00163
%RSD	.09965	.08980	.28474	58.912	15.393	.49200	.49200	16.454	.00193	3.3164
#1	1.4871	.81533	1.2118	.00625	-.00340	3.3370	7.1413	.00918	.20721	.04798
#2	1.4892	.81637	1.2069	.00257	-.00423	3.3603	7.1911	.01159	.20720	.05029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9762**	**.00110**	F **-.27862**	**.37244**	**.41399**	**.03367**
Stddev	.0108	.00004	.00380	.00146	.00457	.00023
%RSD	.54866	3.6673	1.3642	.39238	1.1039	.68249
#1	1.9685	.00113	-.27593	.37141	.41076	.03384
#2	1.9839	.00107	-.28131	.37347	.41722	.03351
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8006.4**	**100030.**	**10058.**
Stddev	26.5	453.	39.
%RSD	.33045	.45295	.38990
#1	8025.2	100350.	10030.
#2	7987.7	99705.	10086.

Sample Name: 280-46974-a-10-a Acquired: 9/25/2013 23:39:36 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**149.02**	**.04334**	**.03824**	**1.2822**	**.00480**	**.02924**	**33.111**	**.00194**	**.08113**
Stddev	.00026	.59	.00004	.00026	.0007	.00002	.00030	.056	.00001	.00074
%RSD	9.5834	.39745	.09421	.68862	.05757	.34298	1.0395	.16830	.42166	.91468
#1	-.00289	149.44	.04331	.03806	1.2827	.00478	.02903	33.150	.00194	.08061
#2	-.00252	148.60	.04337	.03843	1.2817	.00481	.02946	33.072	.00195	.08166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14786**	**.14106**	**131.37**	**33.817**	**.08950**	**37.385**	**4.4565**	**.00452**	**3.3860**	**.08543**
Stddev	.00079	.00042	.14	.111	.00151	.068	.0388	.00006	.0027	.00061
%RSD	.53146	.29926	.10635	.32804	1.6848	.18068	.87031	1.2247	.07995	.70946
#1	.14730	.14136	131.27	33.896	.08844	37.337	4.4840	.00448	3.3841	.08500
#2	.14841	.14076	131.47	33.739	.09057	37.433	4.4291	.00456	3.3879	.08585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1122**	**.62064**	**.93485**	**.00346**	**-.00383**	**2.9654**	**6.3459**	**.01029**	**.19001**	**.04879**
Stddev	.0057	.00361	.00234	.00250	.00108	.0015	.0032	.00054	.00022	.00240
%RSD	.51035	.58088	.25045	72.416	28.200	.05075	.05075	5.2150	.11419	4.9114
#1	1.1082	.61809	.93650	.00523	-.00306	2.9643	6.3436	.00991	.19016	.05049
#2	1.1162	.62319	.93319	.00169	-.00459	2.9664	6.3482	.01067	.18985	.04710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5220**	**-.00005**	F **-.25880**	**.33020**	**.36373**	**.02979**
Stddev	.0010	.00067	.00806	.00096	.00060	.00147
%RSD	.06882	1407.9	3.1127	.29199	.16487	4.9312
#1	1.5213	.00043	-.25310	.33088	.36415	.02875
#2	1.5228	-.00052	-.26450	.32952	.36330	.03083
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.8**	**100160.**	**10058.**
Stddev	65.6	220.	16.
%RSD	.81687	.21990	.15949
#1	8076.2	100000.	10047.
#2	7983.5	100310.	10070.

Sample Name: 280-46974-a-11-a Acquired: 9/25/2013 23:41:54 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	**275.22**	**.05147**	**.08323**	**3.2164**	**.00768**	W **.06176**	**37.317**	**.00249**	**.07466**
Stddev	.00041	1.08	.00028	.00059	.0104	.00003	.00159	.086	.00029	.00009
%RSD	12.249	.39309	.54381	.70742	.32310	.37539	2.5800	.22960	11.816	.12005
#1	.00365	275.99	.05127	.08281	3.2237	.00766	.06063	37.378	.00228	.07472
#2	.00307	274.46	.05167	.08365	3.2090	.00770	.06288	37.257	.00269	.07459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22423**	**.26586**	**203.58**	**61.004**	**.14365**	**64.149**	**2.7764**	**.00530**	**8.1823**	**.11503**
Stddev	.00084	.00004	.08	.118	.00064	.003	.0143	.00016	.0014	.00062
%RSD	.37302	.01465	.03758	.19392	.44641	.00422	.51387	3.0116	.01696	.54089
#1	.22364	.26584	203.64	61.088	.14319	64.151	2.7865	.00519	8.1833	.11459
#2	.22482	.26589	203.53	60.921	.14410	64.147	2.7664	.00542	8.1813	.11547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5237**	W **180.54**	**1.8197**	**.00758**	**.00240**	**4.7143**	**10.089**	**.02075**	**.37521**	**.06294**
Stddev	.0037	.15	.0082	.00064	.00343	.0032	.007	.00025	.00057	.00059
%RSD	.24373	.08381	.45009	8.4329	143.06	.06770	.06770	1.1970	.15300	.93417
#1	1.5211	180.43	1.8139	.00803	-.00003	4.7166	10.094	.02093	.37562	.06253
#2	1.5263	180.65	1.8255	.00712	.00483	4.7121	10.084	.02058	.37481	.06336
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5035**	**.00186**	F **-.25656**	**.45145**	**.65400**	**.04933**
Stddev	.0008	.00002	.02348	.00016	.00023	.00046
%RSD	.05330	.82744	9.1524	.03439	.03523	.92560
#1	1.5041	.00187	-.23996	.45156	.65417	.04965
#2	1.5030	.00184	-.27316	.45134	.65384	.04901
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7888.7**	**97055.**	**10047.**
Stddev	5.3	173.	18.
%RSD	.06775	.17816	.18253
#1	7892.5	97177.	10060.
#2	7884.9	96933.	10034.

Sample Name: CCVH-2271055 Acquired: 9/25/2013 23:44:23 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00422**	**49.596**	**.00274**	**.00293**	**.00111**	**.00004**	**.99286**	**.01918**	**.00018**	**-.00034**	**-.00083**	**-.00625**	**49.406**
Stddev	.00008	.254	.00107	.00083	.00001	.00001	.00162	.00003	.00005	.00008	.00026	.00046	.051
%RSD	1.8827	.51130	38.925	28.470	1.1165	36.709	.16361	.15607	31.018	24.001	31.654	7.4020	.10351
#1	-.00427	49.416	.00199	.00352	.00112	.00005	.99171	.01916	.00021	-.00039	-.00101	-.00592	49.370
#2	-.00416	49.775	.00349	.00234	.00111	.00003	.99401	.01920	.00014	-.00028	-.00064	-.00658	49.442
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16749**	**.00425**	**-.07259**	**.00007**	**-.00038**	**253.44**	**.00021**	**.00220**	**.01480**	**4.8033**	**.00106**	**-.00432**	**-.00349**
Stddev	.02499	.00162	.00153	.00009	.00006	.05	.00044	.00013	.00312	.0016	.00282	.00688	.00342
%RSD	14.921	37.990	2.1114	130.85	15.326	.02123	206.87	5.7665	21.097	.03283	265.27	159.33	97.957
#1	.14981	.00540	-.07150	.00013	-.00042	253.40	.00052	.00229	.01701	4.8044	-.00093	.00055	-.00590
#2	.18516	.00311	-.07367	.00000	-.00033	253.47	-.00010	.00211	.01259	4.8021	.00305	-.00918	-.00107
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00746**	**.00232**	**.00039**	**4.7649**	**.00765**	**.00310**	**10.022**	**.00022**	**.00066**	**-.03297**
Stddev	.00731	.00042	.00007	.0015	.00048	.00084	.019	.00036	.00034	.00227
%RSD	97.957	18.032	18.416	.03072	6.3146	27.259	.19400	164.24	51.739	6.8761
#1	-.01263	.00203	.00044	4.7639	.00731	.00369	10.036	.00047	.00042	-.03457
#2	-.00229	.00262	.00034	4.7660	.00799	.00250	10.008	-.00004	.00090	-.03136
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6694.6**	**85388.**	**8307.4**
Stddev	12.1	204.	22.4
%RSD	.18025	.23925	.26940
#1	6686.0	85244.	8291.6
#2	6703.1	85533.	8323.3

Sample Name: CCV-2271054 Acquired: 9/25/2013 23:46:41 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50554**	**.52570**	**1.0081**	**.50681**	**.50013**	**.48978**	**.00350**	**4.9932**	**.50545**	**.50860**	**.50575**	**.50275**	**2.4844**
Stddev	.00096	.00337	.0103	.00358	.00033	.00083	.00094	.0118	.00103	.00000	.00010	.00076	.0052
%RSD	.18999	.64108	1.0260	.70713	.06669	.17013	26.882	.23630	.20318	.00084	.01880	.15122	.20864
#1	.50622	.52808	1.0008	.50428	.49989	.48920	.00417	4.9849	.50472	.50861	.50581	.50221	2.4881
#2	.50486	.52331	1.0155	.50934	.50036	.49037	.00284	5.0016	.50618	.50860	.50568	.50328	2.4807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.022**	**.99873**	**19.960**	**.50159**	**.50452**	**5.2190**	**.51327**	**1.0010**	**1.0354**	**.00498**	**.96970**	**.99791**	**4.9384**
Stddev	.083	.00731	.002	.00017	.00260	.0468	.00313	.0008	.0052	.00298	.00323	.00404	.0377
%RSD	.16318	.73178	.00836	.03368	.51629	.89739	.61032	.07839	.49889	59.867	.33312	.40509	.76252
#1	50.963	.99356	19.961	.50147	.50268	5.2521	.51105	1.0005	1.0318	.00708	.96741	.99505	4.9118
#2	51.081	1.0039	19.959	.50171	.50637	5.1859	.51548	1.0016	1.0391	.00287	.97198	1.0008	4.9650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.568**	**1.0090**	**.49731**	**-.00279**	**.49858**	**1.0223**	**-.01731**	**.50362**	**.50255**	**.49795**
Stddev	.081	.0045	.00056	.00105	.00032	.0067	.00844	.00054	.00164	.00156
%RSD	.76252	.44363	.11302	37.513	.06514	.65679	48.790	.10643	.32716	.31239
#1	10.511	1.0058	.49692	-.00205	.49881	1.0175	-.01134	.50324	.50138	.49685
#2	10.625	1.0122	.49771	-.00353	.49835	1.0270	-.02328	.50400	.50371	.49905
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6829.4**	**88192.**	**8213.6**
Stddev	13.8	69.	117.2
%RSD	.20246	.07775	1.4265
#1	6819.6	88241.	8296.4
#2	6839.1	88144.	8130.7

Sample Name: CCB Acquired: 9/25/2013 23:48:50 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00485**	**.00009**	**.00168**	**.00027**	**.00011**	**-.00166**	**.00203**	**-.00003**	**-.00002**	**.00008**
Stddev	.00045	.00035	.00213	.00017	.00029	.00011	.00158	.00320	.00016	.00025	.00003
%RSD	3271.6	7.2964	2404.5	10.349	107.89	106.37	94.876	157.64	446.43	1640.7	36.006
#1	.00033	.00510	.00160	.00156	.00047	.00019	-.00278	-.00023	.00008	.00016	.00010
#2	-.00031	.00460	-.00142	.00180	.00006	.00003	-.00055	.00429	-.00014	-.00019	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00639**	**.12615**	**.00186**	**.00641**	**.00015**	**.00056**	**.04475**	**-.00002**	**-.00113**	**.00093**
Stddev	.00027	.00090	.01878	.00343	.00319	.00001	.00002	.01580	.00002	.00059	.00083
%RSD	41.096	14.021	14.885	184.00	49.758	6.7695	2.8399	35.308	93.251	51.768	89.586
#1	-.00085	.00702	.13942	.00429	.00866	.00015	.00058	.05592	-.00001	-.00155	.00152
#2	-.00047	.00576	.11287	-.00056	.00415	.00014	.00055	.03358	-.00004	-.00072	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00842**	F **.01681**	W **-.00667**	**.00193**	**.00413**	**.00089**	**.00009**	**.00086**	**.00028**	**.00092**	F **-.05323**
Stddev	.00081	.00261	.00618	.00859	.01839	.00089	.00010	.00070	.00038	.00021	.01792
%RSD	9.5925	15.526	92.715	445.34	445.34	100.25	115.02	81.599	133.00	23.071	33.665
#1	.00899	.01496	-.01104	-.00415	-.00887	.00151	.00002	.00135	.00002	.00077	-.06590
#2	.00785	.01865	-.00230	.00800	.01713	.00026	.00016	.00036	.00055	.00108	-.04056
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00628	.00486								.05000
Low Limit		-.00628	-.00486								-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00054**	**.00103**	**.00028**
Stddev	.00038	.00037	.00106
%RSD	69.535	36.094	370.57
#1	.00028	.00130	.00103
#2	.00081	.00077	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6825.2**	**88835.**	**8068.5**
Stddev	21.3	184.	3.6
%RSD	.31262	.20682	.04420
#1	6810.1	88705.	8071.0
#2	6840.2	88964.	8065.9

Sample Name: CCVL2271034 Acquired: 9/25/2013 23:51:07 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01105**	**.10699**	**.01739**	**.09551**	**.01004**	**.00098**	**.10987**	**.19966**	**.00481**	**.01043**	**.01009**	**.01447**	**.10047**
Stddev	.00008	.00053	.00006	.00040	.00034	.00001	.00077	.00277	.00011	.00003	.00017	.00079	.00079
%RSD	.75032	.49270	.31818	.42071	3.4199	.91124	.70222	1.3880	2.2428	.28145	1.6765	5.4433	.78916
#1	.01099	.10661	.01743	.09579	.01028	.00097	.10933	.19770	.00488	.01045	.00997	.01503	.09991
#2	.01111	.10736	.01735	.09522	.00980	.00099	.11042	.20162	.00473	.01041	.01021	.01391	.10103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0850**	**.00986**	**.20608**	**.01009**	**.01956**	**1.0711**	**.04125**	**2.8213**	**.00951**	**.00945**	F **.01354**	**.01339**	**.48171**
Stddev	.0723	.00021	.00021	.00003	.00016	.0198	.00004	.0006	.00172	.00356	.00171	.00511	.00868
%RSD	2.3422	2.1575	.10322	.33660	.80576	1.8465	.08870	.02263	18.047	37.688	12.598	38.131	1.8019
#1	3.0339	.01001	.20593	.01011	.01968	1.0571	.04127	2.8209	.00829	.01197	.01475	.00978	.47558
#2	3.1361	.00971	.20623	.01006	.01945	1.0850	.04122	2.8218	.01072	.00693	.01233	.01700	.48785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0309**	**.09933**	**.00978**	**.01387**	**.00965**	**.01561**	**.05788**	**.00918**	**.02150**	**.01359**
Stddev	.0186	.00065	.00003	.00068	.00004	.00024	.03393	.00027	.00016	.00208
%RSD	1.8019	.65095	.29795	4.8935	.39920	1.5649	58.622	2.9631	.76349	15.293
#1	1.0177	.09887	.00976	.01339	.00967	.01578	.08187	.00937	.02162	.01212
#2	1.0440	.09978	.00980	.01435	.00962	.01544	.03389	.00899	.02139	.01506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.8**	**89158.**	**8134.4**
Stddev	5.2	377.	24.0
%RSD	.07512	.42313	.29461
#1	6907.4	89424.	8117.5
#2	6900.1	88891.	8151.4

Sample Name: 280-46974-a-12-a Acquired: 9/25/2013 23:53:27 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00206**	**135.61**	**.05547**	**.03828**	**1.2064**	**.00425**	**.03315**	**44.952**	**.00245**	**.07344**
Stddev	.00056	.21	.00207	.00022	.0018	.00006	.00011	.057	.00014	.00021
%RSD	26.952	.15333	3.7229	.56945	.14506	1.2959	.32652	.12605	5.6667	.28323
#1	-.00245	135.75	.05693	.03843	1.2076	.00421	.03307	44.992	.00235	.07359
#2	-.00167	135.46	.05401	.03812	1.2051	.00429	.03323	44.912	.00255	.07329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15019**	**.13741**	**130.45**	**33.513**	**.08060**	**34.947**	**4.3946**	**.00322**	**3.0010**	**.07907**
Stddev	.00092	.00016	.63	.014	.00114	.004	.0460	.00020	.0128	.00023
%RSD	.61139	.11641	.48358	.04193	1.4169	.01200	1.0477	6.3217	.42722	.29402
#1	.15084	.13752	130.90	33.523	.08141	34.944	4.3621	.00336	3.0100	.07891
#2	.14954	.13730	130.01	33.503	.07979	34.950	4.4272	.00308	2.9919	.07924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3917**	**.85618**	**1.1051**	**.00503**	**-.00351**	**3.1631**	**6.7690**	**.00873**	**.16878**	**.04415**
Stddev	.0064	.00399	.0017	.00089	.00265	.0616	.1319	.00087	.00013	.00184
%RSD	.46255	.46650	.15150	17.652	75.735	1.9480	1.9480	9.9588	.07875	4.1742
#1	1.3962	.85901	1.1062	.00440	-.00163	3.2066	6.8622	.00935	.16887	.04285
#2	1.3871	.85336	1.1039	.00566	-.00538	3.1195	6.6757	.00812	.16869	.04545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1934**	**.00126**	F **-.26602**	**.40280**	**.36898**	**.03213**
Stddev	.0021	.00044	.00029	.00057	.00037	.00005
%RSD	.09609	35.053	.10985	.14182	.10049	.14495
#1	2.1949	.00157	-.26581	.40240	.36871	.03216
#2	2.1919	.00095	-.26623	.40320	.36924	.03209
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8052.1**	**100840.**	**9736.3**
Stddev	41.8	144.	89.1
%RSD	.51950	.14318	.91519
#1	8022.5	100940.	9673.3
#2	8081.7	100730.	9799.3

Sample Name: 280-46974-a-13-a Acquired: 9/25/2013 23:55:47 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00212**	**165.29**	**.05966**	**.03809**	**2.4359**	**.00532**	**.02656**	**28.878**	**.00185**	**.07381**
Stddev	.00016	.31	.00320	.00033	.0088	.00003	.00175	.022	.00012	.00026
%RSD	7.6771	.18564	5.3633	.85572	.36178	.65323	6.5807	.07749	6.2547	.35165
#1	-.00201	165.08	.06192	.03832	2.4297	.00530	.02780	28.862	.00177	.07399
#2	-.00224	165.51	.05739	.03786	2.4421	.00534	.02532	28.894	.00194	.07363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15284**	**.15839**	**156.90**	**31.666**	**.09592**	**38.993**	**3.6573**	**.00614**	**4.0628**	**.08709**
Stddev	.00056	.00042	.68	.051	.00207	.041	.0164	.00060	.0009	.00042
%RSD	.36544	.26485	.43270	.16095	2.1599	.10454	.44800	9.7365	.02141	.47709
#1	.15324	.15869	156.42	31.630	.09445	39.022	3.6457	.00572	4.0621	.08738
#2	.15245	.15810	157.38	31.702	.09738	38.964	3.6689	.00657	4.0634	.08680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0400**	**.33551**	**1.3586**	**.00149**	W **-.00579**	**2.9696**	**6.3549**	**.01121**	**.24149**	**.05078**
Stddev	.0033	.00007	.0023	.00065	.00252	.0092	.0196	.00092	.00046	.00507
%RSD	.31584	.02169	.16845	43.757	43.431	.30816	.30816	8.2056	.19106	9.9894
#1	1.0424	.33556	1.3603	.00195	-.00401	2.9761	6.3688	.01186	.24117	.05436
#2	1.0377	.33545	1.3570	.00103	-.00757	2.9631	6.3411	.01056	.24182	.04719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2034**	**-.00045**	F **-.29138**	**.44002**	**.51269**	**.03351**
Stddev	.0002	.00035	.02915	.00099	.00043	.00146
%RSD	.01374	76.178	10.005	.22480	.08356	4.3506
#1	1.2033	-.00070	-.31199	.43932	.51299	.03248
#2	1.2035	-.00021	-.27077	.44072	.51239	.03455
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8135.2**	**101740.**	**10337.**
Stddev	21.1	9.	86.
%RSD	.25943	.00919	.83166
#1	8150.1	101750.	10276.
#2	8120.3	101740.	10398.

Sample Name: 280-46974-a-14-a Acquired: 9/25/2013 23:58:07 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00240**	**277.37**	**.05208**	**.08014**	**5.8921**	**.00772**	**.03341**	**29.602**	**.00183**	**.07940**
Stddev	.00007	.16	.00088	.00035	.0032	.00014	.00205	.017	.00006	.00005
%RSD	2.8215	.05807	1.6984	.43145	.05422	1.7770	6.1485	.05802	3.4469	.06538
#1	-.00235	277.26	.05271	.08038	5.8944	.00762	.03487	29.614	.00188	.07937
#2	-.00245	277.49	.05146	.07990	5.8899	.00781	.03196	29.590	.00179	.07944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21638**	**.14272**	**201.54**	**43.858**	**.14709**	**57.455**	**3.9532**	**.00154**	W **10.583**	**11.876**
Stddev	.00063	.00032	.21	.033	.00334	.029	.0044	.00044	.006	.065
%RSD	.29234	.22167	.10182	.07544	2.2688	.05108	.11133	28.806	.05254	.55122
#1	.21593	.14294	201.69	43.881	.14945	57.434	3.9501	.00123	10.579	11.829
#2	.21683	.14250	201.40	43.834	.14473	57.476	3.9563	.00185	10.587	11.922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13261**	**.80345**	**.17747**	**2.0635**	**-.00049**	W **-.00608**	**3.5162**	**7.5247**	**.01253**	**.39487**
Stddev	.00095	.00094	.00024	.0009	.00028	.00121	.0061	.0131	.00059	.00001
%RSD	.71641	.11686	.13264	.04471	57.219	19.952	.17447	.17447	4.7323	.00296
#1	.13194	.80411	.17731	2.0642	-.00069	-.00522	3.5206	7.5340	.01211	.39487
#2	.13328	.80278	.17764	2.0629	-.00029	-.00694	3.5119	7.5155	.01295	.39486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						5.0000				
Low Limit						-.00500				

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06012**	**1.5055**	**-.00129**	F **-.35897**	**.44576**	**.45738**	**.04300**
Stddev	.00216	.0004	.00060	.03269	.00216	.00196	.00077
%RSD	3.5874	.02605	46.560	9.1064	.48464	.42756	1.7836
#1	.05860	1.5052	-.00086	-.33586	.44423	.45877	.04246
#2	.06165	1.5057	-.00171	-.38209	.44729	.45600	.04355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8334.1**	**101470.**	**10449.**
Stddev	11.6	352.	18.
%RSD	.13891	.34692	.17529
#1	8342.3	101720.	10436.
#2	8325.9	101230.	10462.

Sample Name: 280-46974-a-15-a Acquired: 9/26/2013 0:00:29 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**130.51**	**.04666**	**.03700**	**1.1671**	**.00364**	**.03667**	**36.396**	**.00210**	**.06755**
Stddev	.00041	.06	.00233	.00027	.0003	.00000	.00034	.029	.00015	.00015
%RSD	24.490	.04654	4.9982	.72910	.02421	.07533	.92522	.07849	6.9790	.22233
#1	-.00140	130.56	.04501	.03681	1.1673	.00364	.03691	36.417	.00200	.06766
#2	-.00199	130.47	.04831	.03719	1.1669	.00364	.03643	36.376	.00221	.06745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14092**	**.17584**	**130.75**	**33.216**	**.08298**	**35.383**	**3.7701**	**.00922**	**2.8623**	**.07041**
Stddev	.00042	.00010	.31	.060	.00128	.025	.0076	.00002	.0445	.00034
%RSD	.29520	.05900	.23910	.18097	1.5412	.06997	.20173	.23887	1.5555	.47900
#1	.14121	.17591	130.97	33.258	.08388	35.366	3.7754	.00923	2.8938	.07064
#2	.14062	.17576	130.53	33.173	.08207	35.401	3.7647	.00920	2.8308	.07017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5908**	**1.0021**	**1.1303**	**.00269**	W **-.00553**	**2.9346**	**6.2801**	**.00902**	**.19068**	**.03386**
Stddev	.0083	.0043	.0008	.00054	.00121	.0353	.0755	.00044	.00014	.00073
%RSD	.52244	.42446	.07429	20.259	21.931	1.2019	1.2019	4.9335	.07230	2.1484
#1	1.5967	1.0051	1.1309	.00230	-.00639	2.9596	6.3335	.00933	.19058	.03437
#2	1.5850	.99906	1.1297	.00307	-.00467	2.9097	6.2267	.00870	.19078	.03335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7025**	**-.00042**	F **-.21205**	**.34808**	**.44892**	**.02970**
Stddev	.0047	.00219	.03217	.00047	.00096	.00049
%RSD	.17251	521.13	15.171	.13561	.21303	1.6480
#1	2.6992	.00113	-.23480	.34774	.44959	.02935
#2	2.7058	-.00197	-.18930	.34841	.44824	.03004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7814.6**	**98242.**	**9796.7**
Stddev	8.1	74.	187.7
%RSD	.10409	.07572	1.9159
#1	7808.9	98190.	9664.0
#2	7820.4	98295.	9929.5

Sample Name: 280-46974-a-16-a Acquired: 9/26/2013 0:02:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**208.54**	**.05464**	**.04622**	**2.2415**	**.00688**	**.02784**	**27.517**	**.00201**	**.09353**
Stddev	.00021	.10	.00070	.00067	.0031	.00014	.00134	.038	.00007	.00007
%RSD	8.5098	.04598	1.2721	1.4417	.13771	2.0271	4.8104	.13902	3.5520	.07770
#1	-.00227	208.47	.05415	.04669	2.2393	.00698	.02689	27.490	.00206	.09348
#2	-.00256	208.60	.05513	.04575	2.2436	.00678	.02878	27.544	.00196	.09358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17695**	**.12587**	**163.70**	**42.430**	**.12208**	**50.946**	**5.4132**	**.00142**	**5.7045**	**.11915**
Stddev	.00079	.00056	.23	.012	.00053	.196	.0745	.00017	.0039	.00009
%RSD	.44909	.44854	.14138	.02878	.43283	.38436	1.3765	12.205	.06904	.07928
#1	.17639	.12547	163.54	42.422	.12245	50.808	5.3605	.00130	5.7017	.11921
#2	.17751	.12627	163.86	42.439	.12170	51.085	5.4659	.00154	5.7073	.11908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89322**	**.19077**	**.98831**	**.00026**	W **-.00547**	**3.2477**	**6.9500**	**.01096**	**.26139**	**.05800**
Stddev	.00556	.00019	.00364	.00128	.00192	.0036	.0076	.00025	.00045	.00038
%RSD	.62228	.10042	.36828	495.63	35.127	.10953	.10953	2.3183	.17076	.65656
#1	.88929	.19063	.98574	-.00064	-.00411	3.2502	6.9554	.01078	.26107	.05773
#2	.89715	.19090	.99089	.00116	-.00683	3.2451	6.9446	.01114	.26170	.05827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3067**	**.00043**	F **-.35599**	**.39734**	**.39676**	**.04006**
Stddev	.0026	.00228	.00640	.00047	.00160	.00036
%RSD	.19481	525.22	1.7965	.11778	.40295	.90316
#1	1.3049	.00205	-.36051	.39701	.39563	.03981
#2	1.3085	-.00118	-.35147	.39767	.39789	.04032
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8435.2**	**105000.**	**10569.**
Stddev	19.8	114.	10.
%RSD	.23449	.10880	.09456
#1	8449.1	105080.	10562.
#2	8421.2	104920.	10576.

Sample Name: 280-46974-a-17-a Acquired: 9/26/2013 0:05:11 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00293**	**211.29**	**.06137**	**.07854**	**6.2328**	**.00615**	**.03321**	**43.457**	**.00202**	**.08262**
Stddev	.00015	.22	.00304	.00055	.0556	.00003	.00367	.035	.00005	.00006
%RSD	5.2293	.10234	4.9543	.70587	.89246	.49747	11.046	.08086	2.4708	.07233
#1	-.00303	211.13	.06352	.07815	6.2721	.00613	.03580	43.432	.00205	.08258
#2	-.00282	211.44	.05922	.07893	6.1935	.00618	.03061	43.482	.00198	.08266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18157**	**.17256**	**180.73**	**43.313**	**.14521**	**52.972**	**4.0636**	**.00747**	**7.6626**	**.10500**
Stddev	.00018	.00097	.41	.057	.00071	.040	.0512	.00008	.0134	.00058
%RSD	.09757	.56273	.22957	.13100	.48709	.07562	1.2597	1.1275	.17461	.55130
#1	.18144	.17187	180.44	43.273	.14571	52.944	4.0274	.00753	7.6531	.10460
#2	.18169	.17324	181.02	43.353	.14471	53.001	4.0998	.00741	7.6721	.10541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4588**	**.63719**	**2.3704**	**.00364**	W **-.00631**	**3.5036**	**7.4977**	**.01283**	**.40814**	**.05655**
Stddev	.0019	.00565	.0017	.00011	.00464	.0227	.0486	.00074	.00070	.00077
%RSD	.12828	.88666	.07305	3.0858	73.472	.64758	.64758	5.7815	.17081	1.3540
#1	1.4575	.63320	2.3716	.00356	-.00959	3.4876	7.4634	.01230	.40764	.05709
#2	1.4601	.64118	2.3692	.00372	-.00303	3.5196	7.5320	.01335	.40863	.05601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0279**	**.00044**	F **-.26451**	**.46215**	**.45543**	**.05000**
Stddev	.0035	.00051	.02644	.00213	.00239	.00052
%RSD	.17121	115.58	9.9960	.46002	.52484	1.0364
#1	2.0255	.00008	-.28320	.46064	.45374	.05036
#2	2.0304	.00080	-.24581	.46365	.45712	.04963
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8040.0**	**100290.**	**10195.**
Stddev	17.3	536.	40.
%RSD	.21473	.53422	.39340
#1	8052.2	100670.	10223.
#2	8027.8	99912.	10166.

Sample Name: 280-46974-a-18-a Acquired: 9/26/2013 0:07:36 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00279**	**226.93**	**.04952**	**.07325**	**1.2573**	**.00705**	**.03400**	**26.878**	**.00197**	**.10360**
Stddev	.00037	.76	.00038	.00059	.0027	.00002	.00159	.106	.00003	.00056
%RSD	13.390	.33456	.77012	.80578	.21755	.31571	4.6808	.39398	1.3644	.54054
#1	-.00305	226.40	.04925	.07367	1.2553	.00703	.03513	26.803	.00195	.10321
#2	-.00252	227.47	.04979	.07284	1.2592	.00706	.03288	26.953	.00199	.10400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18582**	**.12957**	**171.56**	**44.069**	**.13522**	**55.781**	**5.4074**	**.00164**	W **10.703**	**11.921**
Stddev	.00011	.00050	.27	.084	.00181	.128	.0029	.00009	.032	.161
%RSD	.05891	.38242	.15603	.19000	1.3383	.22873	.05279	5.4115	.29647	1.3504
#1	.18589	.12992	171.37	44.010	.13394	55.690	5.4094	.00158	10.681	11.807
#2	.18574	.12922	171.75	44.128	.13650	55.871	5.4054	.00170	10.726	12.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12554**	**.85842**	**.20052**	**.84739**	**-.00077**	W **-.00575**	**3.2542**	**6.9639**	**.01133**	**.25359**
Stddev	.00001	.00201	.00180	.00635	.00042	.00155	.0092	.0198	.00054	.00061
%RSD	.01033	.23432	.89984	.74965	54.851	26.962	.28376	.28376	4.8035	.24116
#1	.12555	.85700	.19925	.84289	-.00047	-.00685	3.2476	6.9500	.01095	.25316
#2	.12554	.85984	.20180	.85188	-.00107	-.00466	3.2607	6.9779	.01172	.25402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						5.0000				
Low Limit						-.00500				

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05766**	**1.5506**	**.00116**	F **-.31569**	**.38925**	**.42900**	**.04297**
Stddev	.00079	.0006	.00051	.03718	.00078	.00163	.00022
%RSD	1.3717	.04092	44.126	11.778	.19943	.37907	.51138
#1	.05710	1.5501	.00152	-.34198	.38871	.42786	.04281
#2	.05822	1.5510	.00080	-.28939	.38980	.43015	.04312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8403.6**	**103390.**	**10587.**
Stddev	12.7	372.	45.
%RSD	.15077	.35964	.42721
#1	8394.6	103650.	10555.
#2	8412.5	103130.	10619.

Sample Name: 280-46974-a-19-a Acquired: 9/26/2013 0:09:59 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00267**	**228.26**	**.06045**	**.05735**	**3.3844**	**.00656**	**.02881**	**32.187**	**.00185**	**.08505**
Stddev	.00054	1.14	.00004	.00049	.0093	.00002	.00081	.118	.00003	.00004
%RSD	20.126	.49738	.06416	.85807	.27448	.35803	2.8250	.36788	1.7421	.05241
#1	-.00305	229.06	.06042	.05700	3.3909	.00658	.02823	32.271	.00183	.08508
#2	-.00229	227.45	.06048	.05770	3.3778	.00655	.02938	32.104	.00187	.08502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18526**	**.15580**	**178.00**	**46.371**	**.13238**	**56.355**	**3.9266**	**.00220**	**6.7620**	**.10552**
Stddev	.00062	.00140	.29	.182	.00136	.142	.0200	.00002	.0527	.00008
%RSD	.33615	.90124	.16052	.39200	1.0236	.25232	.51036	1.1080	.77861	.07791
#1	.18482	.15679	178.20	46.500	.13334	56.254	3.9124	.00219	6.7993	.10558
#2	.18570	.15481	177.79	46.243	.13143	56.456	3.9408	.00222	6.7248	.10546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1655**	**.29687**	**1.5590**	**.00171**	**-.00185**	**3.2741**	**7.0065**	**.01270**	**.31439**	**.05791**
Stddev	.0032	.00083	.0022	.00010	.00323	.0118	.0252	.00013	.00063	.00192
%RSD	.27823	.27857	.14202	6.0271	174.34	.35996	.35996	1.0135	.20194	3.3090
#1	1.1632	.29745	1.5605	.00178	.00043	3.2657	6.9887	.01260	.31484	.05926
#2	1.1678	.29628	1.5574	.00163	-.00414	3.2824	7.0243	.01279	.31394	.05655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1705**	**.00020**	F **-.31079**	**.44474**	**.65226**	**.04432**
Stddev	.0023	.00069	.03711	.00093	.00303	.00216
%RSD	.19640	349.12	11.940	.20918	.46412	4.8811
#1	1.1689	-.00029	-.33703	.44409	.65012	.04584
#2	1.1721	.00068	-.28455	.44540	.65440	.04279
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.8**	**100710.**	**10273.**
Stddev	37.6	456.	94.
%RSD	.46063	.45325	.91608
#1	8190.4	101030.	10206.
#2	8137.2	100390.	10339.

Sample Name: 280-46974-a-20-a Acquired: 9/26/2013 0:12:21 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192737 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**163.93**	**.06438**	**.03576**	**1.8540**	**.00537**	**.02801**	**33.905**	**.00228**	**.08424**
Stddev	.00018	.25	.00270	.00059	.0046	.00005	.00066	.076	.00020	.00029
%RSD	9.1278	.15077	4.1904	1.6421	.24762	.87135	2.3730	.22279	8.6725	.34880
#1	-.00187	163.76	.06247	.03534	1.8507	.00533	.02754	33.852	.00242	.08445
#2	-.00213	164.10	.06629	.03617	1.8572	.00540	.02848	33.959	.00214	.08404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16016**	**.31025**	**152.90**	**34.455**	**.09971**	**40.067**	**4.3789**	**.02457**	**3.5527**	**.08905**
Stddev	.00093	.00076	.42	.027	.00078	.003	.0593	.00002	.0252	.00011
%RSD	.58080	.24471	.27770	.07819	.78408	.00714	1.3543	.08768	.70983	.12289
#1	.16081	.30971	152.60	34.436	.10027	40.069	4.3370	.02456	3.5349	.08913
#2	.15950	.31079	153.20	34.474	.09916	40.065	4.4208	.02459	3.5705	.08898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3985**	**.64479**	**1.4465**	**.00454**	**-.00420**	**3.0257**	**6.4751**	**.01233**	**.25511**	**.05356**
Stddev	.0105	.00098	.0113	.00064	.00355	.0106	.0227	.00055	.00071	.00012
%RSD	.75115	.15127	.78163	14.131	84.534	.34986	.34986	4.4438	.27787	.21651
#1	1.4059	.64548	1.4545	.00500	-.00169	3.0332	6.4911	.01194	.25461	.05364
#2	1.3911	.64410	1.4385	.00409	-.00670	3.0183	6.4591	.01272	.25561	.05348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2480**	**-.00056**	F **-.27423**	**.40109**	**.50030**	**.03612**
Stddev	.0014	.00009	.02801	.00194	.00002	.00159
%RSD	.10988	16.774	10.212	.48468	.00301	4.3990
#1	1.2489	-.00062	-.25442	.40246	.50029	.03500
#2	1.2470	-.00049	-.29403	.39971	.50032	.03724
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8098.2**	**100500.**	**10139.**
Stddev	1.5	316.	13.
%RSD	.01791	.31437	.12597
#1	8097.2	100280.	10148.
#2	8099.3	100730.	10130.

Sample Name: CCVH-2271055 Acquired: 9/26/2013 0:14:41 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00353**	**48.848**	**.00504**	**.00224**	**.00083**	**-.00001**	**.98503**	**.02026**	**.00040**	**-.00051**	**-.00079**	**-.00648**
Stddev	.00082	.424	.00222	.00078	.00004	.00002	.00229	.00297	.00017	.00009	.00006	.00023
%RSD	23.126	.86806	44.132	34.788	4.9529	132.10	.23277	14.663	43.208	16.873	7.3116	3.5219
#1	-.00410	48.549	.00661	.00279	.00086	.00000	.98341	.02236	.00028	-.00045	-.00083	-.00664
#2	-.00295	49.148	.00346	.00169	.00080	-.00002	.98665	.01816	.00053	-.00058	-.00075	-.00632
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.141**	**.28337**	**.00137**	**-.07137**	**.00034**	**-.00032**	**251.73**	**-.00001**	**.00348**	**.00012**	**4.7985**	**.00295**
Stddev	.299	.03217	.00011	.00410	.00024	.00005	1.86	.00020	.00277	.00018	.0076	.00080
%RSD	.60820	11.352	7.8984	5.7380	71.854	15.015	.73700	2275.6	79.800	151.89	.15773	27.010
#1	48.930	.30611	.00144	-.06848	.00051	-.00036	250.42	-.00015	.00544	.00024	4.7931	.00239
#2	49.352	.26062	.00129	-.07427	.00017	-.00029	253.04	.00013	.00151	-.00001	4.8038	.00351
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00564**	**-.00081**	**-.00173**	**.00190**	**.00054**	W **4.7219**	**.00784**	**.00326**	**9.9653**	**.00008**	**.00101**	**-.03432**
Stddev	.00063	.02377	.05087	.00085	.00001	.0038	.00034	.00054	.0635	.00032	.00023	.00428
%RSD	11.202	2939.6	2939.6	44.897	1.8557	.08131	4.2987	16.506	.63768	386.89	23.147	12.481
#1	-.00519	-.01762	-.03770	.00251	.00053	4.7246	.00808	.00364	10.010	-.00014	.00084	-.03734
#2	-.00609	.01600	.03424	.00130	.00055	4.7192	.00760	.00288	9.9203	.00031	.00117	-.03129
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6924.5**	**88823.**	**8582.5**
Stddev	5.4	139.	32.1
%RSD	.07841	.15618	.37426
#1	6920.7	88921.	8605.2
#2	6928.3	88725.	8559.8

Sample Name: CCV-2271054 Acquired: 9/26/2013 0:17:00 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50001**	**.51884**	**1.0032**	**.50274**	**.49736**	**.48820**	**.00324**	**4.9736**	**.50385**	**.50294**	**.50263**	**.50032**	**2.4806**
Stddev	.00235	.00155	.0020	.00143	.00104	.00092	.00023	.0209	.00009	.00111	.00114	.00209	.0066
%RSD	.46948	.29841	.20002	.28356	.20991	.18782	7.0865	.42068	.01875	.21978	.22602	.41749	.26801
#1	.49835	.51993	1.0017	.50375	.49662	.48755	.00340	4.9588	.50391	.50372	.50343	.50179	2.4759
#2	.50167	.51774	1.0046	.50173	.49809	.48885	.00308	4.9884	.50378	.50215	.50182	.49884	2.4853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.719**	**.98609**	**19.624**	**.49562**	**.49956**	**5.1794**	**.50920**	**.98867**	**1.0248**	**.00340**	**.96869**	**.99657**	**4.9060**
Stddev	.045	.00497	.013	.00028	.00033	.0252	.00281	.00049	.0028	.00070	.00193	.00006	.0362
%RSD	.08943	.50429	.06379	.05696	.06525	.48636	.55281	.04909	.27629	20.443	.19885	.00628	.73699
#1	50.751	.98257	19.633	.49582	.49979	5.1972	.51119	.98832	1.0228	.00390	.97005	.99653	4.8804
#2	50.687	.98961	19.615	.49542	.49933	5.1616	.50721	.98901	1.0268	.00291	.96733	.99661	4.9316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.499**	**.99811**	**.49503**	**-.00145**	**.49273**	**1.0157**	**-.02687**	**.49653**	**.49406**	**.49364**
Stddev	.077	.00150	.00042	.00164	.00038	.0017	.01679	.00059	.00136	.00072
%RSD	.73699	.14982	.08533	112.91	.07741	.17014	62.514	.11848	.27550	.14631
#1	10.444	.99917	.49473	-.00029	.49299	1.0169	-.01499	.49611	.49310	.49415
#2	10.554	.99705	.49533	-.00261	.49246	1.0145	-.03874	.49695	.49503	.49313
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7036.5**	**91632.**	**8562.8**
Stddev	14.6	88.	112.4
%RSD	.20794	.09584	1.3125
#1	7046.9	91694.	8642.3
#2	7026.2	91570.	8483.4

Sample Name: CCB Acquired: 9/26/2013 0:19:09 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00477**	**.00154**	**.00085**	**.00009**	**.00020**	**-.00044**	**.00475**	**-.00012**	**.00030**	**.00007**
Stddev	.00076	.00075	.00265	.00048	.00011	.00000	.00019	.00037	.00015	.00005	.00001
%RSD	593.25	15.660	171.50	55.944	115.82	.31167	43.182	7.8188	127.85	15.623	7.5941
#1	.00067	.00530	.00341	.00051	.00002	.00020	-.00030	.00449	-.00001	.00027	.00008
#2	-.00041	.00424	-.00033	.00119	.00017	.00020	-.00057	.00501	-.00023	.00034	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00839**	**.17391**	**-.00098**	**.00346**	**.00009**	**.00052**	**.04419**	**-.00037**	**-.00156**	**-.00016**
Stddev	.00063	.00168	.00577	.00031	.00083	.00004	.00038	.01945	.00007	.00216	.00033
%RSD	121.54	19.978	3.3200	31.511	24.082	47.857	74.166	44.028	19.237	138.06	209.05
#1	-.00096	.00957	.17799	-.00119	.00287	.00006	.00025	.05794	-.00032	-.00004	-.00039
#2	-.00007	.00720	.16983	-.00076	.00405	.00012	.00079	.03043	-.00042	-.00309	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00637**	**F .01834**	**W -.00501**	**.01565**	**.03350**	**.00121**	**.00012**	**.00093**	**.00009**	**.00106**	**-.01424**
Stddev	.00498	.00125	.00168	.00591	.01265	.00059	.00008	.00089	.00029	.00013	.00200
%RSD	78.173	6.8193	33.553	37.752	37.752	48.950	65.038	95.236	319.95	12.448	14.032
#1	.00285	.01746	-.00382	.01983	.04244	.00079	.00006	.00030	.00030	.00116	-.01566
#2	.00989	.01923	-.00620	.01148	.02456	.00163	.00017	.00156	-.00012	.00097	-.01283
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00028**	**.00124**	**-.00019**
Stddev	.00012	.00000	.00037
%RSD	42.636	.08179	196.72
#1	.00019	.00124	-.00045
#2	.00036	.00124	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.9**	**91819.**	**8507.0**
Stddev	25.2	302.	49.7
%RSD	.36107	.32884	.58372
#1	6952.1	92033.	8471.8
#2	6987.7	91606.	8542.1

Sample Name: CCVL2271034 Acquired: 9/26/2013 0:21:28 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	F **.15651**	**.01708**	**.09769**	**.01109**	**.00103**	**.11617**	F **.71736**	**.00528**	**.01125**	**.01115**	**.01636**	F **.35153**
Stddev	.00025	.00005	.00230	.00127	.00035	.00007	.00177	.00131	.00017	.00024	.00005	.00017	.00311
%RSD	2.3193	.02937	13.479	1.2974	3.1499	7.0281	1.5253	.18250	3.1412	2.1288	.44312	1.0103	.88510
#1	.01080	.15648	.01871	.09679	.01084	.00098	.11492	.71644	.00517	.01142	.01119	.01648	.34933
#2	.01116	.15654	.01545	.09858	.01134	.00108	.11742	.71829	.00540	.01108	.01112	.01625	.35373
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		.10000						.20000					.10000
Range		30.000%						30.000%					30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3466**	**.00964**	**.22693**	**.01241**	**.02043**	**1.2637**	**.04528**	**3.0037**	**.01036**	**.02236**	**.01165**	**.01171**	**.48332**
Stddev	.0029	.00203	.00276	.00008	.00012	.0025	.00030	.0014	.00014	.00177	.00035	.00213	.00794
%RSD	.08824	21.026	1.2165	.63590	.57291	.19836	.67175	.04663	1.3763	7.9242	3.0081	18.159	1.6421
#1	3.3445	.00821	.22498	.01236	.02051	1.2655	.04550	3.0027	.01046	.02111	.01190	.01322	.47771
#2	3.3487	.01108	.22889	.01247	.02034	1.2620	.04507	3.0047	.01025	.02362	.01140	.01021	.48893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0343**	**.10578**	**.01075**	**.01528**	**.01078**	**.01695**	**.06921**	**.01039**	F **.05230**	**.01408**
Stddev	.0170	.00134	.00001	.00151	.00026	.00242	.02760	.00004	.00010	.00224
%RSD	1.6421	1.2648	.12799	9.8705	2.3647	14.308	39.885	.42781	.19441	15.937
#1	1.0223	.10483	.01076	.01422	.01060	.01866	.08873	.01042	.05237	.01249
#2	1.0463	.10673	.01074	.01635	.01096	.01523	.04969	.01036	.05223	.01567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.5**	**93428.**	**8641.7**
Stddev	15.2	300.	15.6
%RSD	.21282	.32087	.18073
#1	7140.3	93640.	8652.8
#2	7118.8	93216.	8630.7

Sample Name: mb 280-192943/1-a Acquired: 9/26/2013 0:23:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00321**	**.00204**	**.00064**	**-.00021**	**.00003**	**-.00012**	**.01365**	**-.00029**	**.00001**
Stddev	.00000	.00021	.00338	.00021	.00036	.00008	.00064	.00215	.00031	.00001
%RSD	.97593	6.5555	165.43	33.378	172.23	268.12	544.84	15.720	106.13	124.41
#1	.00023	.00335	-.00035	.00049	.00005	.00008	.00033	.01214	-.00051	.00000
#2	.00023	.00306	.00443	.00079	-.00046	-.00003	-.00057	.01517	-.00007	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00024**	**.01455**	**.07978**	**.00081**	**.00941**	**.00026**	**.00019**	**.01756**	**.00017**
Stddev	.00013	.00004	.00000	.02678	.00008	.00182	.00005	.00009	.00805	.00034
%RSD	522.99	18.180	.01819	33.567	10.257	19.322	18.151	47.090	45.856	205.65
#1	.00012	-.00027	.01455	.09871	.00087	.00813	.00029	.00026	.02326	-.00008
#2	-.00007	-.00021	.01456	.06084	.00076	.01070	.00023	.00013	.01187	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00049**	**.00991**	**.00047**	W **-.00823**	**-.00079**	**-.00169**	**.00087**	**-.00010**	**-.00109**
Stddev	.00079	.00052	.00196	.00055	.00035	.01059	.02266	.00040	.00008	.00155
%RSD	153.92	104.82	19.809	118.58	4.2654	1337.5	1337.5	46.464	80.090	142.97
#1	.00107	.00013	.01130	.00008	-.00798	-.00828	-.01772	.00058	-.00004	.00001
#2	-.00005	.00086	.00852	.00086	-.00847	.00670	.01433	.00115	-.00016	-.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00750					
Low Limit					-.00750					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00111**	**-.01772**	**.00013**	**.00250**	**-.00085**
Stddev	.00066	.00055	.02477	.00059	.00022	.00063
%RSD	459.42	49.409	139.84	435.23	8.7209	73.986
#1	-.00032	.00150	-.00020	-.00028	.00234	-.00130
#2	.00061	.00072	-.03523	.00055	.00265	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7194.6**	**94912.**	**8662.6**
Stddev	5.2	392.	49.5
%RSD	.07251	.41329	.57178
#1	7198.3	95189.	8627.6
#2	7190.9	94634.	8697.6

Sample Name: lcs 280-192943/2-a Acquired: 9/26/2013 0:26:05 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04834**	**1.9431**	**1.0420**	**1.0387**	**2.0236**	**.04952**	**2.0872**	**49.442**	**.10504**	**.49508**
Stddev	.00071	.0041	.0029	.0010	.0004	.00005	.0054	.046	.00022	.00033
%RSD	1.4624	.21287	.27962	.09724	.01897	.09473	.25704	.09377	.21210	.06680
#1	.04784	1.9402	1.0440	1.0380	2.0233	.04949	2.0834	49.409	.10520	.49484
#2	.04884	1.9461	1.0399	1.0394	2.0239	.04956	2.0910	49.475	.10488	.49531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20591**	**.25276**	**.99274**	**51.287**	**.99608**	**49.505**	**.49649**	**1.0159**	**51.785**	**.50303**
Stddev	.00065	.00054	.00304	.143	.00322	.101	.00008	.0008	.139	.00129
%RSD	.31599	.21525	.30655	.27919	.32283	.20431	.01548	.07987	.26812	.25676
#1	.20545	.25315	.99489	51.185	.99381	49.577	.49654	1.0153	51.687	.50211
#2	.20637	.25238	.99059	51.388	.99835	49.434	.49643	1.0164	51.883	.50394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.253**	**.50912**	**-.00059**	**.50763**	**2.0440**	**9.9284**	**21.247**	**2.0107**	**1.0005**	**.95746**
Stddev	.013	.00263	.00239	.00277	.0008	.0021	.004	.0012	.0006	.00027
%RSD	.13116	.51725	403.08	.54498	.04129	.02101	.02101	.05748	.06356	.02867
#1	10.244	.50726	.00110	.50567	2.0434	9.9269	21.244	2.0099	1.0009	.95766
#2	10.263	.51098	-.00229	.50958	2.0446	9.9299	21.250	2.0115	1.0000	.95727
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0092**	**1.9817**	**2.1151**	**.50760**	**.49397**	**.49377**
Stddev	.0004	.0047	.0032	.00008	.00121	.00132
%RSD	.04442	.23612	.14967	.01614	.24484	.26658
#1	1.0095	1.9784	2.1128	.50755	.49312	.49284
#2	1.0089	1.9850	2.1173	.50766	.49483	.49470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.1**	**89511.**	**8590.9**
Stddev	23.9	202.	28.6
%RSD	.34530	.22559	.33244
#1	6936.0	89368.	8611.1
#2	6902.2	89653.	8570.7

Sample Name: 280-46819-a-1-b Acquired: 9/26/2013 0:28:13 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.18596**	**.00061**	**.00973**	**.05797**	**.00005**	**.00047**	**14.956**	**.00448**	**.00101**
Stddev	.00005	.00116	.00571	.00006	.00019	.00011	.00091	.059	.00007	.00009
%RSD	4.6535	.62214	942.10	.62374	.32450	225.87	194.68	.39255	1.4955	8.8720
#1	.00101	.18677	-.00343	.00968	.05810	.00013	-.00018	14.997	.00443	.00107
#2	.00094	.18514	.00464	.00977	.05784	-.00003	.00111	14.914	.00453	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00507**	**.02932**	**.96332**	**2.6089**	**.00442**	**5.8328**	**.20466**	**.00162**	**9.0385**	**.00540**
Stddev	.00000	.00032	.00297	.0251	.00111	.0085	.00068	.00009	.0383	.00030
%RSD	.08589	1.0776	.30868	.96042	25.125	.14594	.33090	5.3877	.42380	5.4679
#1	.00507	.02910	.96542	2.5912	.00520	5.8388	.20514	.00156	9.0656	.00561
#2	.00507	.02954	.96122	2.6266	.00363	5.8267	.20419	.00168	9.0114	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04059**	**.02990**	**1.0715**	**-.00110**	**-.00110**	**13.469**	**28.824**	**.02220**	**.13516**	**.00151**
Stddev	.00047	.00034	.0067	.00245	.00256	.050	.108	.00014	.00011	.00122
%RSD	1.1608	1.1399	.62749	223.49	231.82	.37353	.37353	.64555	.08115	81.042
#1	.04092	.03014	1.0763	-.00283	-.00292	13.505	28.900	.02210	.13523	.00237
#2	.04025	.02966	1.0668	.00064	.00071	13.434	28.748	.02230	.13508	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01103**	**.00119**	**-.02640**	**.00129**	**.05998**	**.00086**
Stddev	.00015	.00036	.00686	.00031	.00011	.00011
%RSD	1.3479	30.525	25.977	23.866	.18507	13.179
#1	.01092	.00093	-.03125	.00151	.05990	.00094
#2	.01113	.00145	-.02155	.00107	.06006	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7235.9**	**92595.**	**8637.3**
Stddev	9.4	87.	59.1
%RSD	.13023	.09425	.68445
#1	7229.3	92533.	8595.5
#2	7242.6	92657.	8679.1

Sample Name: 280-46819-a-2-b Acquired: 9/26/2013 0:30:33 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.19174**	**.00172**	**.00570**	**.02993**	**-.00003**	**-.00275**	**9.2767**	**.00059**	**.00059**
Stddev	.00007	.00197	.00337	.00041	.00012	.00010	.00240	.0066	.00005	.00017
%RSD	47.255	1.0281	195.80	7.2125	.41142	347.32	87.440	.07173	9.1209	27.967
#1	.00010	.19313	-.00066	.00599	.03002	.00004	-.00445	9.2720	.00063	.00071
#2	.00020	.19034	.00410	.00541	.02984	-.00010	-.00105	9.2814	.00055	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00319**	**.71677**	**2.1562**	**.00227**	**3.7141**	**.07052**	**.00027**	**5.8718**	**.00069**
Stddev	.00012	.00047	.00265	.0074	.00020	.0065	.00039	.00024	.0315	.00011
%RSD	14.048	14.619	.36953	.34145	8.8629	.17589	.54612	91.281	.53632	15.785
#1	.00075	.00286	.71490	2.1510	.00213	3.7187	.07079	.00010	5.8941	.00061
#2	.00092	.00352	.71864	2.1614	.00241	3.7095	.07025	.00044	5.8496	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02449**	**.00286**	**1.1897**	**-.00296**	W **-.00871**	**11.541**	**24.698**	**.00408**	**.08125**	**.00094**
Stddev	.00067	.00010	.0051	.00041	.00406	.036	.077	.00031	.00018	.00056
%RSD	2.7314	3.5359	.42701	13.784	46.581	.31013	.31013	7.7014	.22484	59.791
#1	.02402	.00279	1.1861	-.00267	-.00584	11.516	24.644	.00385	.08138	.00134
#2	.02497	.00293	1.1933	-.00324	-.01157	11.566	24.752	.00430	.08112	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00835**	**.00193**	**-.01171**	**.00139**	**.01498**	**.00018**
Stddev	.00052	.00111	.02071	.00012	.00015	.00087
%RSD	6.2125	57.488	176.89	8.4920	.97204	479.07
#1	.00872	.00114	-.02635	.00148	.01509	.00080
#2	.00798	.00271	.00294	.00131	.01488	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7240.6**	**93467.**	**8781.8**
Stddev	10.4	498.	7.4
%RSD	.14318	.53278	.08430
#1	7247.9	93114.	8787.0
#2	7233.3	93819.	8776.6

Sample Name: 280-46819-a-3-b Acquired: 9/26/2013 0:32:54 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**1.1713**	**.00123**	**.00658**	**.04454**	**.00009**	**-.00116**	**10.110**	**.00017**	**.00180**
Stddev	.00006	.0027	.00120	.00036	.00030	.00003	.00088	.058	.00009	.00016
%RSD	20.506	.23488	98.050	5.5309	.68187	29.598	76.197	.57498	55.192	8.7139
#1	-.00033	1.1732	.00038	.00632	.04433	.00010	-.00053	10.069	.00024	.00169
#2	-.00025	1.1693	.00208	.00684	.04476	.00007	-.00178	10.151	.00010	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00187**	**2.7343**	**2.5319**	**.00159**	**4.0410**	**.69479**	**.00017**	**6.1173**	**.00093**
Stddev	.00001	.00028	.0183	.0142	.00101	.0007	.00229	.00011	.0617	.00014
%RSD	.51362	15.070	.66958	.56208	63.875	.01667	.32960	62.622	1.0085	15.037
#1	.00180	.00167	2.7214	2.5218	.00230	4.0415	.69641	.00025	6.0737	.00103
#2	.00182	.00207	2.7473	2.5420	.00087	4.0405	.69317	.00010	6.1610	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05890**	**.00074**	**1.0648**	**-.00042**	**-.00243**	**12.988**	**27.795**	**.00150**	**.09238**	**-.00046**
Stddev	.00026	.00044	.0083	.00242	.00178	.085	.183	.00059	.00011	.00195
%RSD	.44525	59.110	.78113	575.60	73.192	.65669	.65669	39.509	.11559	424.01
#1	.05871	.00043	1.0589	-.00213	-.00117	12.928	27.666	.00108	.09230	-.00184
#2	.05908	.00105	1.0707	.00129	-.00369	13.049	27.924	.00192	.09245	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06056**	**.00104**	**-.01060**	**.00638**	**.01433**	**.00079**
Stddev	.00053	.00108	.03631	.00021	.00002	.00237
%RSD	.86784	104.26	342.55	3.3654	.15858	301.13
#1	.06093	.00180	.01507	.00623	.01434	-.00089
#2	.06019	.00027	-.03627	.00653	.01431	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7288.0**	**94164.**	**8756.1**
Stddev	9.0	182.	37.4
%RSD	.12292	.19292	.42672
#1	7294.3	94036.	8729.7
#2	7281.7	94293.	8782.6

Sample Name: 280-46819-a-4-a Acquired: 9/26/2013 0:35:14 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.19734**	**-.00074**	**.01110**	**.04315**	**-.00005**	**-.00010**	**12.581**	**.00234**	**.00033**
Stddev	.00057	.00075	.00016	.00012	.00037	.00003	.00039	.022	.00016	.00018
%RSD	102.62	.38248	21.946	1.0642	.85205	71.091	380.95	.17592	6.8029	52.846
#1	.00096	.19788	-.00085	.01101	.04341	-.00002	-.00038	12.565	.00246	.00021
#2	.00015	.19681	-.00062	.01118	.04289	-.00007	.00017	12.596	.00223	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.01642**	**.53028**	**2.4944**	**.00073**	**4.7542**	**.07589**	**.00100**	**8.5883**	**.00299**
Stddev	.00023	.00046	.00372	.0043	.00040	.0138	.00052	.00003	.0095	.00003
%RSD	6.9821	2.7867	.70072	.17313	53.923	.29054	.68440	3.0345	.11048	1.0914
#1	.00349	.01609	.53290	2.4913	.00045	4.7640	.07553	.00103	8.5950	.00297
#2	.00316	.01674	.52765	2.4974	.00101	4.7444	.07626	.00098	8.5816	.00302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06151**	**.01646**	**1.4023**	**-.00265**	**-.00453**	**12.053**	**25.794**	**.01180**	**.09765**	**.00063**
Stddev	.00003	.00004	.0152	.00288	.00232	.033	.071	.00022	.00029	.00155
%RSD	.05225	.22315	1.0825	108.83	51.173	.27683	.27683	1.9030	.29472	246.08
#1	.06149	.01643	1.4130	-.00061	-.00289	12.077	25.844	.01164	.09785	.00172
#2	.06153	.01649	1.3916	-.00468	-.00617	12.030	25.743	.01196	.09744	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00889**	**.00205**	**.00240**	**.00147**	**.03628**	**.00019**
Stddev	.00015	.00021	.02420	.00052	.00003	.00068
%RSD	1.6723	10.253	1008.0	35.002	.07497	354.11
#1	.00900	.00190	.01951	.00111	.03626	-.00029
#2	.00879	.00219	-.01471	.00184	.03630	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7249.8**	**94182.**	**8793.0**
Stddev	25.9	240.	46.0
%RSD	.35669	.25463	.52287
#1	7268.1	94351.	8825.5
#2	7231.5	94012.	8760.5

Sample Name: 280-46819-a-4-aSD@5 Acquired: 9/26/2013 0:37:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.05438**	**.00134**	**.00384**	**.00805**	**.00000**	**.00129**	**2.5787**	**.00054**	**.00024**
Stddev	.00023	.00047	.00150	.00058	.00032	.00002	.00150	.0326	.00001	.00016
%RSD	149.50	.86564	112.25	15.177	3.9779	16013.	116.79	1.2634	1.6347	67.019
#1	-.00032	.05405	.00240	.00426	.00782	-.00001	.00235	2.5557	.00054	.00012
#2	.00001	.05472	.00028	.00343	.00827	.00001	.00022	2.6017	.00055	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00254**	**.12595**	**.58937**	**.00070**	**.97806**	**.01570**	**.00028**	**1.8091**	**.00064**
Stddev	.00015	.00052	.00151	.04826	.00180	.00631	.00000	.00016	.0199	.00006
%RSD	26.446	20.459	1.1959	8.1889	255.79	.64524	.00450	57.308	1.0994	8.7520
#1	.00047	.00217	.12489	.55524	.00198	.97360	.01570	.00039	1.7951	.00060
#2	.00069	.00291	.12702	.62350	-.00057	.98252	.01570	.00016	1.8232	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01299**	**.00354**	**.29804**	**-.00143**	**-.00075**	**2.4282**	**5.1964**	**.00222**	**.01985**	**-.00072**
Stddev	.00012	.00015	.00099	.00063	.00114	.0254	.0544	.00034	.00040	.00055
%RSD	.95573	4.3607	.33189	44.017	150.70	1.0474	1.0474	15.502	2.0016	75.597
#1	.01308	.00343	.29734	-.00187	.00005	2.4102	5.1579	.00246	.01957	-.00111
#2	.01290	.00365	.29874	-.00098	-.00156	2.4462	5.2349	.00198	.02013	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**.00149**	**-.02181**	**.00048**	**.01013**	**.00179**
Stddev	.00031	.00142	.02288	.00020	.00003	.00088
%RSD	21.159	94.960	104.89	41.181	.33580	48.951
#1	.00124	.00249	-.03799	.00062	.01015	.00117
#2	.00168	.00049	-.00564	.00034	.01011	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7230.5**	**94685.**	**8767.0**
Stddev	16.7	695.	11.2
%RSD	.23030	.73439	.12782
#1	7218.8	95177.	8774.9
#2	7242.3	94193.	8759.1

Sample Name: 280-46819-a-4-b ms Acquired: 9/26/2013 0:39:56 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04878	2.1239	1.0299	1.0300	2.0407	.04912	F 2.0344	60.573	.10367	.49002
Stddev	.00091	.0005	.0000	.0066	.0111	.00033	.0158	.359	.00029	.00035
%RSD	1.8595	.02266	.00062	.64034	.54431	.67644	.77479	.59283	.28094	.07096
#1	.04814	2.1235	1.0299	1.0254	2.0329	.04888	2.0232	60.319	.10347	.48977
#2	.04942	2.1242	1.0299	1.0347	2.0486	.04935	2.0455	60.827	.10388	.49026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20211	.25333	1.2909	53.286	.98198	53.269	.56236	1.0020	59.868	.49555
Stddev	.00079	.00066	.0149	.136	.00345	.100	.00087	.0001	.481	.00229
%RSD	.38882	.25891	1.1556	.25533	.35174	.18762	.15389	.01201	.80384	.46159
#1	.20155	.25286	1.2804	53.190	.97954	53.339	.56297	1.0021	59.528	.49394
#2	.20266	.25379	1.3015	53.382	.98443	53.198	.56175	1.0020	60.209	.49717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.117	.49796	1.2845	.49916	2.0090	21.730	46.502	1.9802	1.0885	.95449
Stddev	.010	.00146	.0005	.00376	.0112	.084	.179	.0017	.0065	.00098
%RSD	.10319	.29414	.04200	.75426	.55483	.38503	.38503	.08573	.59811	.10241
#1	10.109	.49692	1.2849	.49649	2.0011	21.671	46.376	1.9790	1.0839	.95518
#2	10.124	.49900	1.2841	.50182	2.0169	21.789	46.629	1.9814	1.0931	.95380
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0117	1.9483	2.0323	.50387	.48868	.48887
Stddev	.0000	.0019	.0126	.00003	.00061	.00540
%RSD	.00423	.09918	.61843	.00607	.12573	1.1044
#1	1.0117	1.9470	2.0412	.50385	.48911	.48506
#2	1.0118	1.9497	2.0234	.50389	.48825	.49269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6959.8	90399.	8696.0
Stddev	.2	154.	53.0
%RSD	.00324	.17025	.60920
#1	6960.0	90290.	8658.6
#2	6959.7	90508.	8733.5

Sample Name: 280-46819-a-4-c msd Acquired: 9/26/2013 0:42:03 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04786**	**2.0924**	**1.0109**	**1.0200**	**2.0200**	**.04865**	F **1.9960**	**59.942**	**.10140**	**.48159**
Stddev	.00054	.0074	.0020	.0008	.0014	.00025	.0028	.021	.00021	.00198
%RSD	1.1244	.35326	.19373	.07487	.06695	.51458	.13923	.03482	.20866	.41161
#1	.04824	2.0976	1.0123	1.0195	2.0191	.04883	1.9979	59.927	.10125	.48299
#2	.04748	2.0872	1.0095	1.0206	2.0210	.04847	1.9940	59.957	.10155	.48019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19834**	**.24830**	**1.2832**	**52.857**	**.97788**	**52.420**	**.55590**	**.99438**	**59.218**	**.48501**
Stddev	.00051	.00038	.0029	.060	.00011	.269	.00223	.00140	.213	.00070
%RSD	.25736	.15230	.22636	.11350	.01101	.51394	.40179	.14059	.36047	.14436
#1	.19870	.24857	1.2852	52.899	.97796	52.611	.55748	.99537	59.369	.48551
#2	.19798	.24803	1.2811	52.814	.97781	52.230	.55432	.99339	59.067	.48452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9421**	**.49202**	**1.2426**	**.48933**	**1.9760**	**21.518**	**46.049**	**1.9635**	**1.0776**	**.94031**
Stddev	.0136	.00300	.0076	.00828	.0091	.031	.065	.0127	.0005	.00259
%RSD	.13707	.60952	.60977	1.6911	.46261	.14180	.14180	.64854	.04692	.27571
#1	9.9517	.49414	1.2480	.49518	1.9825	21.497	46.003	1.9725	1.0772	.94214
#2	9.9324	.48990	1.2373	.48348	1.9695	21.540	46.095	1.9545	1.0780	.93848
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0073**	**1.9136**	**2.0621**	**.50079**	**.48620**	**.49236**
Stddev	.0029	.0109	.0175	.00089	.00217	.00361
%RSD	.28898	.57092	.84738	.17859	.44568	.73224
#1	1.0093	1.9213	2.0744	.50016	.48773	.49491
#2	1.0052	1.9059	2.0497	.50142	.48467	.48981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.2**	**89136.**	**8574.3**
Stddev	21.7	908.	26.9
%RSD	.31104	1.0185	.31423
#1	6945.9	88494.	8555.2
#2	6976.5	89778.	8593.3

Sample Name: 280-46819-a-4-aPDS Acquired: 9/26/2013 0:44:09 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192943 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05012**	**1.1471**	**.20162**	**.11025**	**.13815**	**.04787**	**.00203**	**31.207**	**.05180**	**.04907**
Stddev	.00004	.0028	.00150	.00007	.00020	.00035	.00145	.080	.00058	.00039
%RSD	.07756	.24605	.74186	.06798	.14443	.72539	71.539	.25478	1.1154	.80074
#1	.05015	1.1491	.20268	.11019	.13801	.04762	.00306	31.150	.05220	.04935
#2	.05010	1.1451	.20056	.11030	.13829	.04811	.00100	31.263	.05139	.04880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05233**	**.06230**	**1.4400**	**22.279**	**.09843**	**23.448**	**.12033**	**.04974**	**28.732**	**.05081**
Stddev	.00006	.00000	.0009	.015	.00115	.063	.00007	.00007	.167	.00020
%RSD	.10794	.00042	.06217	.06865	1.1692	.27018	.06232	.13995	.58276	.39343
#1	.05237	.06230	1.4394	22.268	.09762	23.493	.12028	.04969	28.614	.05095
#2	.05229	.06230	1.4406	22.289	.09925	23.403	.12039	.04978	28.851	.05067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0353**	**.10996**	**1.3797**	**.09843**	**.18936**	**16.569**	**35.457**	**.10725**	**.14365**	**.18332**
Stddev	.0083	.00111	.0092	.00165	.00226	.055	.118	.00021	.00025	.00416
%RSD	.40564	1.0067	.66714	1.6727	1.1911	.33259	.33259	.19590	.17359	2.2707
#1	2.0412	.11075	1.3862	.09959	.18776	16.530	35.374	.10740	.14347	.18626
#2	2.0295	.10918	1.3732	.09726	.19095	16.608	35.541	.10711	.14383	.18037
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05817**	**.19871**	**.49263**	**.05128**	**.22513**	**.04600**
Stddev	.00065	.00023	.01341	.00013	.00153	.00361
%RSD	1.1095	.11529	2.7226	.24559	.67964	7.8524
#1	.05862	.19855	.50211	.05137	.22621	.04345
#2	.05771	.19887	.48315	.05119	.22404	.04856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7092.7**	**92140.**	**8709.7**
Stddev	7.2	140.	73.0
%RSD	.10128	.15231	.83770
#1	7097.8	92240.	8658.1
#2	7087.7	92041.	8761.3

Sample Name: CCVH-2271055 Acquired: 9/26/2013 0:46:23 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00391**	**49.143**	**.00112**	**.00337**	**.00030**	**-.00006**	**.99597**	**.02560**	**.00033**	**-.00044**	**-.00072**	**-.00695**	**48.732**
Stddev	.00019	.153	.00186	.00019	.00043	.00002	.00601	.00278	.00008	.00013	.00017	.00038	.192
%RSD	4.7715	.31162	165.95	5.6734	141.21	30.286	.60386	10.853	23.195	30.297	23.335	5.4977	.39455
#1	-.00378	49.035	-.00019	.00324	.00061	-.00007	1.0002	.02756	.00028	-.00054	-.00060	-.00722	48.596
#2	-.00404	49.251	.00243	.00351	.00000	-.00004	.99171	.02363	.00038	-.00035	-.00084	-.00668	48.868
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19196**	**.00063**	**-.07668**	**-.00055**	**-.00039**	**254.11**	**.00009**	**.00261**	**.00083**	**4.8751**	**.00078**	**-.00558**	**.00057**
Stddev	.05035	.00265	.00147	.00000	.00029	.51	.00025	.00019	.00078	.0303	.00071	.00001	.00268
%RSD	26.231	420.70	1.9154	.52156	74.605	.20166	258.88	7.1511	94.164	.62080	91.408	.11340	473.18
#1	.22757	.00251	-.07564	-.00055	-.00059	253.75	-.00008	.00247	.00028	4.8965	.00028	-.00558	-.00133
#2	.15636	-.00124	-.07772	-.00055	-.00018	254.47	.00027	.00274	.00138	4.8537	.00128	-.00557	.00246
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.00171**	**.00045**	**4.8121**	**.00732**	**.00124**	**9.9943**	**-.00023**	**.00035**	**-.03547**
Stddev	.00573	.00032	.00006	.0032	.00020	.00006	.0243	.00047	.00001	.00186
%RSD	473.18	18.825	13.693	.06605	2.7970	4.6836	.24345	202.85	2.9479	5.2439
#1	-.00284	.00149	.00041	4.8098	.00717	.00120	10.011	-.00056	.00035	-.03416
#2	.00527	.00194	.00050	4.8143	.00746	.00129	9.9771	.00010	.00036	-.03679
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6944.7**	**89146.**	**8635.2**
Stddev	.6	189.	15.7
%RSD	.00861	.21236	.18126
#1	6944.2	89280.	8646.2
#2	6945.1	89012.	8624.1

Sample Name: CCV-2271054 Acquired: 9/26/2013 0:48:42 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50454**	**.52214**	**1.0072**	**.50649**	**.50147**	**.48945**	**.00134**	**4.9686**	**.50799**	**.50901**	**.50653**	**.50489**	**2.4537**
Stddev	.00033	.00058	.0014	.00052	.00120	.00049	.00202	.0063	.00001	.00112	.00053	.00026	.0008
%RSD	.06497	.11058	.13382	.10316	.23921	.10013	150.72	.12721	.00238	.22085	.10481	.05139	.03357
#1	.50431	.52173	1.0082	.50612	.50062	.48910	.00277	4.9642	.50800	.50980	.50690	.50507	2.4543
#2	.50478	.52255	1.0063	.50686	.50232	.48979	-.00009	4.9731	.50798	.50821	.50615	.50471	2.4531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.803**	**.99679**	**19.870**	**.50080**	**.50578**	**5.2027**	**.50930**	**.99679**	**1.0241**	**-.00336**	**.97778**	**1.0017**	**4.8852**
Stddev	.119	.00051	.009	.00015	.00088	.0228	.00061	.00341	.0019	.00033	.00506	.0039	.0151
%RSD	.23408	.05098	.04631	.02952	.17426	.43920	.12041	.34260	.18181	9.9589	.51785	.39148	.30993
#1	50.719	.99643	19.863	.50070	.50516	5.2188	.50974	.99921	1.0228	-.00359	.98136	.99889	4.8745
#2	50.887	.99715	19.876	.50090	.50641	5.1865	.50887	.99438	1.0254	-.00312	.97420	1.0044	4.8959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.454**	**1.0078**	**.49798**	**-.00140**	**.49917**	**1.0183**	**-.05168**	**.50056**	**.50162**	**.49475**
Stddev	.032	.0010	.00086	.00117	.00050	.0007	.01111	.00017	.00107	.00202
%RSD	.30993	.09438	.17222	83.448	.09968	.06498	21.506	.03301	.21330	.40894
#1	10.431	1.0072	.49738	-.00222	.49952	1.0188	-.04382	.50068	.50237	.49332
#2	10.477	1.0085	.49859	-.00057	.49881	1.0178	-.05953	.50045	.50086	.49618
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7079.9**	**92141.**	**8674.6**
Stddev	9.4	83.	43.0
%RSD	.13221	.09055	.49574
#1	7086.5	92082.	8705.0
#2	7073.2	92200.	8644.2

Sample Name: CCB Acquired: 9/26/2013 0:50:50 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.01066**	**.00142**	**.00201**	**.00001**	**.00008**	**.00283**	**.01174**	**.00006**	**.00017**	**.00011**	**-.00070**	**.00880**
Stddev	.00011	.00019	.00005	.00151	.00010	.00005	.00263	.00044	.00025	.00002	.00010	.00050	.00034
%RSD	14.874	1.8193	3.7588	75.141	1161.3	62.439	93.068	3.7067	421.61	11.428	93.330	71.271	3.8319
#1	.00068	.01080	.00138	.00308	.00008	.00011	.00469	.01143	.00024	.00016	.00018	-.00105	.00857
#2	.00084	.01052	.00146	.00094	-.00006	.00004	.00097	.01204	-.00012	.00019	.00004	-.00035	.00904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11247**	**.00236**	**.00811**	**.00016**	**.00084**	**.03444**	**.00002**	**.00077**	**-.00107**	**.00628**	F **.01838**	**-.00328**	**.01087**
Stddev	.02598	.00018	.00073	.00004	.00007	.00001	.00024	.00053	.00098	.00032	.00439	.00021	.00812
%RSD	23.096	7.4130	9.0631	27.101	8.8777	.02201	1035.8	69.170	91.636	5.0424	23.911	6.3121	74.626
#1	.13084	.00224	.00863	.00019	.00090	.03443	.00019	.00039	-.00176	.00606	.01527	-.00314	.01661
#2	.09410	.00249	.00759	.00013	.00079	.03444	-.00014	.00114	-.00038	.00651	.02148	-.00343	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02327**	**.00055**	**.00007**	**.00058**	**-.00016**	**.00150**	**.01265**	**.00032**	**.00153**	**.00017**
Stddev	.01737	.00019	.00009	.00173	.00022	.00095	.02813	.00047	.00053	.00013
%RSD	74.626	34.177	139.93	296.13	133.29	63.049	222.35	147.51	34.897	75.377
#1	.03555	.00068	.00013	-.00064	-.00001	.00217	.03254	.00065	.00191	.00027
#2	.01099	.00041	.00000	.00181	-.00032	.00083	-.00724	-.00001	.00115	.00008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6976.6**	**91838.**	**8415.6**
Stddev	53.9	180.	42.6
%RSD	.77252	.19567	.50638
#1	7014.7	91711.	8445.7
#2	6938.5	91965.	8385.4

Sample Name: CCVL2271034 Acquired: 9/26/2013 0:53:10 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.11628**	**.01571**	**.10116**	**.01049**	**.00104**	**.11713**	**.21353**	**.00523**	**.01083**	**.01064**	**.01534**	**.10557**
Stddev	.00000	.00128	.00274	.00029	.00007	.00001	.00018	.00023	.00010	.00016	.00004	.00022	.00061
%RSD	.01581	1.1041	17.449	.29047	.63029	.61892	.14997	.10714	1.9793	1.5090	.34917	1.4337	.58206
#1	.01080	.11538	.01765	.10096	.01053	.00104	.11700	.21369	.00530	.01095	.01066	.01549	.10600
#2	.01080	.11719	.01378	.10137	.01044	.00103	.11725	.21337	.00516	.01071	.01061	.01518	.10513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2991**	**.01025**	**.22111**	**.01056**	**.02041**	**1.1200**	**.04348**	**2.9783**	**.00823**	**-.00200**	**.00872**	**.01133**	**.49397**
Stddev	.0085	.00095	.00054	.00001	.00002	.0037	.00005	.0115	.00069	.00008	.00040	.00145	.01528
%RSD	.25872	9.2772	.24345	.11455	.10597	.33342	.11261	.38696	8.3691	4.0626	4.6156	12.840	3.0943
#1	3.3051	.00958	.22149	.01055	.02042	1.1227	.04344	2.9702	.00871	-.00194	.00901	.01236	.50478
#2	3.2930	.01093	.22073	.01057	.02039	1.1174	.04351	2.9865	.00774	-.00206	.00844	.01030	.48316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0571**	**.10483**	**.01035**	**.01501**	**.00984**	**.01905**	**.04403**	**.00995**	**.02310**	**.01415**
Stddev	.0327	.00040	.00009	.00048	.00011	.00057	.01935	.00034	.00089	.00070
%RSD	3.0943	.38482	.91285	3.1761	1.1221	3.0093	43.955	3.4153	3.8593	4.9245
#1	1.0802	.10454	.01042	.01467	.00992	.01864	.03034	.01019	.02247	.01366
#2	1.0340	.10512	.01029	.01535	.00976	.01946	.05771	.00971	.02373	.01464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7112.4**	**93152.**	**8599.3**
Stddev	43.6	104.	8.3
%RSD	.61302	.11141	.09623
#1	7143.3	93078.	8605.1
#2	7081.6	93225.	8593.4

Sample Name: mb 280-192986/1-a Acquired: 9/26/2013 0:55:29 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.00319**	**.00108**	**.00139**	**.00033**	**-.00002**	**-.00205**	**.06370**	**.00009**	**.00007**
Stddev	.00084	.00013	.00024	.00039	.00021	.00003	.00066	.00270	.00008	.00017
%RSD	109.38	4.1031	21.841	27.990	62.182	161.83	32.277	4.2381	82.808	247.17
#1	.00137	.00329	.00125	.00111	.00048	-.00004	-.00252	.06179	.00004	.00019
#2	.00017	.00310	.00091	.00166	.00019	.00000	-.00159	.06561	.00015	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00008**	**.01094**	**.08709**	**.00147**	**.00972**	**.00008**	**.00009**	**.08398**	**.00010**
Stddev	.00020	.00036	.00064	.02561	.00130	.00035	.00005	.00024	.00526	.00002
%RSD	126.19	449.07	5.8662	29.412	88.856	3.6248	61.817	258.69	6.2630	25.031
#1	.00002	.00034	.01139	.10520	.00054	.00996	.00004	-.00008	.08769	.00011
#2	.00030	-.00018	.01048	.06897	.00239	.00947	.00011	.00027	.08026	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**-.00048**	**.03236**	**-.00017**	**-.00171**	**.02294**	**.04909**	**.00951**	**.00006**	**.00049**
Stddev	.00148	.00023	.00224	.00028	.00308	.00838	.01794	.00079	.00008	.00187
%RSD	49.400	47.776	6.9168	159.91	179.71	36.542	36.542	8.3571	132.55	377.90
#1	.00404	-.00064	.03394	.00002	.00046	.02886	.06177	.01007	.00012	-.00083
#2	.00195	-.00031	.03077	-.00037	-.00389	.01701	.03640	.00895	.00000	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00002**	**-.02664**	**-.00002**	**.00351**	**.00193**
Stddev	.00016	.00064	.01719	.00017	.00002	.00043
%RSD	207.10	2743.5	64.511	819.22	.47964	22.196
#1	-.00004	.00043	-.01449	-.00014	.00350	.00223
#2	.00019	-.00047	-.03880	.00010	.00353	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7246.5**	**94737.**	**8782.5**
Stddev	17.5	216.	198.1
%RSD	.24134	.22783	2.2554
#1	7258.8	94890.	8642.5
#2	7234.1	94585.	8922.6

Sample Name: lcs 280-192986/2-a Acquired: 9/26/2013 0:57:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04623**	**1.8466**	**.97975**	**.95305**	**1.9442**	**.04723**	**1.9724**	**47.341**	**.09861**	**.47385**
Stddev	.00038	.0106	.01103	.00365	.0079	.00035	.0094	.240	.00059	.00080
%RSD	.81825	.57606	1.1258	.38269	.40530	.73106	.47533	.50675	.60303	.16839
#1	.04649	1.8541	.98755	.95563	1.9386	.04699	1.9790	47.172	.09903	.47442
#2	.04596	1.8391	.97195	.95047	1.9497	.04747	1.9657	47.511	.09819	.47329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19276**	**.24249**	**.94308**	**49.172**	**.95121**	**47.175**	**.47570**	**.96763**	**49.631**	**.47644**
Stddev	.00090	.00020	.00652	.199	.00364	.294	.00184	.00568	.693	.00169
%RSD	.46673	.08401	.69099	.40433	.38259	.62350	.38643	.58726	1.3960	.35488
#1	.19340	.24263	.93848	49.032	.94864	47.383	.47699	.97165	49.141	.47764
#2	.19212	.24234	.94769	49.313	.95378	46.967	.47440	.96361	50.121	.47525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7843**	**.48199**	**.00297**	**.46981**	**1.9113**	**1.0349**	**2.2147**	**1.9038**	**.96104**	**.91825**
Stddev	.0330	.00203	.00251	.00309	.0061	.0018	.0039	.0053	.00324	.00571
%RSD	.33699	.42111	84.679	.65789	.32104	.17555	.17555	.27753	.33702	.62161
#1	9.8076	.48343	.00475	.47200	1.9070	1.0362	2.2175	1.9001	.95874	.92229
#2	9.7610	.48056	.00119	.46763	1.9156	1.0336	2.2120	1.9076	.96333	.91422
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96420**	**1.8883**	**1.9804**	**.48412**	**.47300**	**.47319**
Stddev	.00207	.0053	.0158	.00098	.00336	.00535
%RSD	.21419	.28200	.79917	.20338	.70948	1.1310
#1	.96566	1.8845	1.9692	.48481	.47537	.46941
#2	.96274	1.8920	1.9916	.48342	.47063	.47698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6992.2**	**89736.**	**8617.6**
Stddev	13.5	229.	35.5
%RSD	.19273	.25504	.41200
#1	6982.7	89575.	8642.7
#2	7001.7	89898.	8592.5

Sample Name: 280-46769-a-21-h Acquired: 9/26/2013 0:59:56 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**82.132**	**.05373**	**.02024**	**.41447**	**.00522**	**.02123**	**8.1877**	**.00075**	**.07584**
Stddev	.00030	.075	.00185	.00046	.00008	.00005	.00024	.0201	.00001	.00049
%RSD	30.601	.09159	3.4519	2.2860	.01877	.99791	1.1169	.24575	1.0523	.64637
#1	-.00119	82.185	.05242	.02056	.41452	.00525	.02106	8.2020	.00075	.07549
#2	-.00077	82.078	.05505	.01991	.41441	.00518	.02139	8.1735	.00076	.07618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10904**	**.08792**	**131.23**	**8.4572**	**.06692**	**14.486**	**1.3532**	**.00187**	**5.5504**	**.10262**
Stddev	.00045	.00004	.38	.0154	.00134	.008	.0012	.00013	.0058	.00072
%RSD	.41661	.04276	.28874	.18150	2.0034	.05534	.08610	6.9451	.10505	.70599
#1	.10871	.08794	130.96	8.4464	.06787	14.480	1.3524	.00178	5.5546	.10211
#2	.10936	.08789	131.49	8.4681	.06598	14.491	1.3541	.00196	5.5463	.10313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40597**	**.03658**	**.79579**	**.00339**	**-.00338**	**2.8753**	**6.1532**	**.01029**	**.09946**	**.02306**
Stddev	.00544	.00123	.00042	.00113	.00168	.0435	.0931	.00053	.00025	.00107
%RSD	1.3400	3.3637	.05252	33.263	49.704	1.5137	1.5137	5.1347	.24747	4.6566
#1	.40212	.03571	.79608	.00259	-.00457	2.9061	6.2190	.00991	.09963	.02382
#2	.40981	.03745	.79549	.00419	-.00219	2.8445	6.0873	.01066	.09928	.02230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27664**	**-.00170**	F **-.14686**	**.21957**	**.12372**	**.06077**
Stddev	.00150	.00077	.02358	.00010	.00014	.00141
%RSD	.54204	45.232	16.057	.04521	.11339	2.3168
#1	.27558	-.00116	-.13018	.21964	.12362	.05978
#2	.27770	-.00225	-.16353	.21950	.12382	.06177
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7501.4**	**97224.**	**9428.7**
Stddev	48.1	106.	76.3
%RSD	.64181	.10951	.80947
#1	7535.5	97299.	9482.7
#2	7467.4	97148.	9374.7

Sample Name: 280-46769-a-21-hSD@5 Acquired: 9/26/2013 1:02:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**17.706**	**.01230**	**.00734**	**.08834**	**.00113**	**.00442**	**1.7820**	**-.00002**	**.01646**
Stddev	.00012	.155	.00109	.00011	.00095	.00002	.00051	.0122	.00007	.00011
%RSD	2665.6	.87764	8.8948	1.5180	1.0706	2.1160	11.632	.68399	261.55	.64119
#1	.00009	17.816	.01308	.00726	.08901	.00112	.00478	1.7906	-.00007	.01638
#2	-.00008	17.597	.01153	.00742	.08767	.00115	.00406	1.7733	.00002	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02339**	**.01821**	**27.633**	**1.8273**	**.01560**	**3.1190**	**.28710**	**.00005**	**1.1973**	**.02222**
Stddev	.00013	.00049	.227	.0638	.00018	.0263	.00166	.00015	.0230	.00040
%RSD	.55732	2.6898	.82108	3.4917	1.1851	.84239	.57912	316.39	1.9185	1.8222
#1	.02348	.01787	27.794	1.8724	.01547	3.1004	.28592	-.00006	1.2135	.02194
#2	.02330	.01856	27.473	1.7821	.01574	3.1376	.28827	.00015	1.1810	.02251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08350**	**.00902**	**.18127**	**-.00010**	W **-.00688**	**.59832**	**1.2804**	**.00230**	**.02149**	**.00477**
Stddev	.00262	.00099	.00008	.00018	.00292	.01394	.0298	.00097	.00009	.00220
%RSD	3.1397	10.959	.04256	177.75	42.436	2.3297	2.3297	42.004	.42932	46.047
#1	.08164	.00972	.18121	.00003	-.00895	.60817	1.3015	.00162	.02156	.00322
#2	.08535	.00832	.18132	-.00023	-.00482	.58846	1.2593	.00299	.02143	.00633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05843**	**.00005**	W **-.07148**	**.04613**	**.03411**	**.01311**
Stddev	.00012	.00191	.03761	.00093	.00015	.00091
%RSD	.19735	3875.5	52.620	2.0120	.43726	6.9623
#1	.05835	-.00130	-.04488	.04548	.03400	.01246
#2	.05851	.00140	-.09807	.04679	.03421	.01375
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7416.0**	**96021.**	**9063.9**
Stddev	20.6	135.	35.9
%RSD	.27844	.14061	.39662
#1	7430.7	96117.	9038.5
#2	7401.4	95926.	9089.4

Sample Name: 280-46769-a-21-i ms Acquired: 9/26/2013 1:04:30 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04444**	**178.97**	**1.0143**	**.91590**	**2.5232**	**.05257**	F **1.9033**	**54.707**	**.09602**	**.53754**
Stddev	.00019	1.30	.0008	.00105	.0122	.00039	.0034	.333	.00013	.00008
%RSD	.43640	.72528	.08079	.11442	.48319	.74773	.17872	.60790	.13532	.01567
#1	.04458	178.05	1.0149	.91516	2.5146	.05229	1.9009	54.472	.09593	.53760
#2	.04430	179.89	1.0138	.91665	2.5318	.05285	1.9057	54.942	.09611	.53748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37269**	**.37488**	**186.81**	**69.574**	**1.0590**	**66.882**	**1.8307**	**.89211**	**55.584**	**.58581**
Stddev	.00098	.00097	.94	.337	.0083	.074	.0008	.00114	.751	.00100
%RSD	.26309	.26007	.50087	.48488	.77960	.11059	.04271	.12741	1.3511	.16995
#1	.37339	.37557	186.14	69.335	1.0531	66.934	1.8312	.89291	55.053	.58651
#2	.37200	.37419	187.47	69.812	1.0648	66.830	1.8301	.89131	56.115	.58510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.5222**	**.49056**	**1.0118**	**.20651**	**1.8101**	**5.7937**	**12.399**	**1.7358**	**1.0986**	**.92179**
Stddev	.0053	.00037	.0079	.00114	.0043	.0214	.046	.0017	.0054	.00016
%RSD	.05589	.07529	.77723	.55425	.23520	.37011	.37011	.09788	.49099	.01787
#1	9.5259	.49082	1.0063	.20732	1.8131	5.8089	12.431	1.7346	1.0947	.92191
#2	9.5184	.49030	1.0174	.20570	1.8071	5.7786	12.366	1.7370	1.1024	.92167
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5170**	**1.6320**	**1.7869**	**.89554**	**.63219**	**.55555**
Stddev	.0011	.0002	.0187	.00107	.00072	.00489
%RSD	.07298	.01424	1.0464	.11984	.11434	.87982
#1	1.5178	1.6322	1.7736	.89478	.63270	.55209
#2	1.5162	1.6318	1.8001	.89630	.63168	.55901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7342.1**	**93211.**	**9387.5**
Stddev	27.7	363.	23.0
%RSD	.37701	.38978	.24483
#1	7322.5	92954.	9403.7
#2	7361.6	93468.	9371.2

Sample Name: 280-46769-a-21-j msd Acquired: 9/26/2013 1:06:43 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04509**	**183.86**	**.97892**	**.92020**	**2.3194**	**.05128**	F **1.8919**	**54.906**	**.09594**	**.50042**
Stddev	.00037	.31	.00445	.00047	.0021	.00016	.0015	.081	.00064	.00006
%RSD	.82920	.16758	.45506	.05124	.08854	.30802	.07704	.14745	.67211	.01145
#1	.04536	183.64	.98207	.92053	2.3180	.05117	1.8908	54.848	.09548	.50038
#2	.04483	184.07	.97577	.91987	2.3209	.05139	1.8929	54.963	.09640	.50046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37334**	**.33263**	**133.87**	**69.971**	**1.0670**	**68.149**	**1.0825**	**.89243**	**55.992**	**.56398**
Stddev	.00034	.00005	.35	.342	.0028	.180	.0022	.00067	.472	.00010
%RSD	.08981	.01405	.26421	.48871	.26032	.26375	.20820	.07551	.84216	.01714
#1	.37357	.33266	133.62	69.729	1.0651	68.276	1.0841	.89290	55.658	.56405
#2	.37310	.33259	134.12	70.213	1.0690	68.022	1.0809	.89195	56.325	.56391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.4197**	**.48630**	**.90388**	**.21193**	**1.8198**	**6.1028**	**13.060**	**1.7415**	**1.0975**	**.93718**
Stddev	.0094	.00208	.00559	.00273	.0060	.0309	.066	.0040	.0017	.00495
%RSD	.09932	.42718	.61811	1.2867	.32688	.50593	.50593	.22783	.15352	.52857
#1	9.4131	.48483	.90783	.21000	1.8156	6.0810	13.013	1.7443	1.0963	.94069
#2	9.4263	.48776	.89993	.21386	1.8240	6.1246	13.107	1.7387	1.0987	.93368
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4635**	**1.6612**	**1.7875**	**.80546**	**.64426**	**.54639**
Stddev	.0018	.0021	.0232	.00248	.00456	.00400
%RSD	.12118	.12869	1.2959	.30743	.70703	.73276
#1	1.4622	1.6628	1.8039	.80722	.64748	.54356
#2	1.4647	1.6597	1.7711	.80371	.64104	.54922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7209.4**	**90798.**	**9175.3**
Stddev	29.5	100.	73.9
%RSD	.40983	.11063	.80593
#1	7230.3	90727.	9227.5
#2	7188.6	90869.	9123.0

Sample Name: 280-46825-a-1-e Acquired: 9/26/2013 1:08:49 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**1.3869**	**.07096**	**.04022**	**.13212**	**.00445**	**-.00099**	**16.488**	**.04597**	**.00918**
Stddev	.00000	.0145	.00080	.00001	.00001	.00002	.00048	.013	.00022	.00013
%RSD	.05925	1.0479	1.1325	.01616	.00712	.36504	48.769	.08124	.48221	1.4244
#1	.00758	1.3972	.07153	.04022	.13211	.00446	-.00065	16.497	.04581	.00927
#2	.00758	1.3766	.07039	.04022	.13212	.00444	-.00133	16.478	.04613	.00909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03167**	**.08081**	**2.4337**	**4.7286**	**-.00627**	**7.0368**	**.17595**	**.01706**	**20.696**	**.11383**
Stddev	.00004	.00001	.0186	.0264	.00078	.0256	.00049	.00010	.061	.00011
%RSD	.12887	.01335	.76393	.55741	12.504	.36392	.28096	.61467	.29406	.09622
#1	.03164	.08081	2.4469	4.7099	-.00572	7.0550	.17630	.01699	20.653	.11391
#2	.03170	.08080	2.4206	4.7472	-.00683	7.0187	.17560	.01714	20.739	.11376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **24.881**	**.01300**	**6.0834**	**.01767**	W **-.00668**	**2.3950**	**5.1252**	F **122.32**	**.29272**	**.00207**
Stddev	.024	.00087	.0136	.00006	.00042	.0085	.0182	.06	.00048	.00131
%RSD	.09462	6.6888	.22306	.34275	6.3009	.35563	.35563	.05114	.16273	63.426
#1	24.864	.01362	6.0738	.01771	-.00639	2.4010	5.1381	122.36	.29238	.00114
#2	24.898	.01239	6.0930	.01763	-.00698	2.3889	5.1123	122.27	.29305	.00300
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	2.0000				5.0000			20.000		
Low Limit	-1.0000				-.00500			-.10000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03944**	**.00067**	**.02745**	**.00707**	**.11352**	**.00486**
Stddev	.00259	.00005	.01186	.00028	.00034	.00044
%RSD	6.5740	7.7728	43.209	3.9540	.29940	9.0640
#1	.04128	.00063	.03584	.00727	.11328	.00517
#2	.03761	.00070	.01906	.00687	.11376	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7300.0**	**94832.**	**8881.7**
Stddev	16.6	853.	6.0
%RSD	.22744	.89928	.06716
#1	7288.2	94229.	8877.5
#2	7311.7	95435.	8885.9

Sample Name: 280-46952-a-2-h Acquired: 9/26/2013 1:11:04 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00113**	**51.946**	**.29657**	**.30915**	**.63761**	**.00614**	**.02603**	F **1770.2**	**.00498**	**.04515**
Stddev	.00073	.030	.00228	.00061	.00065	.00005	.00029	38.9	.00025	.00006
%RSD	64.159	.05759	.76966	.19708	.10185	.74817	1.1197	2.1950	5.0663	.13745
#1	-.00165	51.967	.29496	.30958	.63715	.00611	.02582	1797.7	.00516	.04520
#2	-.00062	51.925	.29819	.30872	.63807	.00617	.02623	1742.7	.00480	.04511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52231**	**.11795**	**50.966**	**35.875**	**.05618**	W **1026.5**	**.95255**	**.22718**	**29.851**	**1.5969**
Stddev	.00096	.00053	.152	.197	.00245	.4	.00035	.00054	.086	.0008
%RSD	.18445	.45189	.29881	.55023	4.3590	.04264	.03673	.23599	.28745	.04861
#1	.52163	.11758	50.859	35.735	.05445	1026.8	.95230	.22756	29.912	1.5974
#2	.52299	.11833	51.074	36.014	.05791	1026.1	.95280	.22680	29.790	1.5963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						500.00				
Low Limit						-.10000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4461**	**.24536**	**116.02**	**.01491**	**.00631**	**2.7253**	**5.8322**	**.07794**	**2.8338**	**.01146**
Stddev	.0031	.00157	.18	.00311	.00410	.0070	.0150	.00437	.0024	.00237
%RSD	.21187	.63902	.15753	20.888	65.029	.25683	.25683	5.6014	.08338	20.658
#1	1.4439	.24647	116.15	.01711	.00341	2.7204	5.8216	.07486	2.8355	.01313
#2	1.4482	.24425	115.89	.01271	.00921	2.7303	5.8428	.08103	2.8321	.00979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0780**	**-.00666**	F **-.19471**	**6.1158**	**.43362**	**.19559**
Stddev	.0004	.00019	.01030	.0083	.00243	.00033
%RSD	.01704	2.7972	5.2920	.13517	.55961	.16944
#1	2.0777	-.00679	-.18743	6.1217	.43534	.19536
#2	2.0782	-.00653	-.20200	6.1100	.43191	.19583
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6154.0**	**80311.**	**8587.2**
Stddev	24.4	83.	57.5
%RSD	.39663	.10368	.66911
#1	6171.3	80370.	8627.9
#2	6136.7	80253.	8546.6

Sample Name: 280-46919-a-2-c Acquired: 9/26/2013 1:14:02 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00277**	**138.95**	**.03877**	**.00718**	**1.9395**	**.01665**	**.03539**	**93.607**	**.00620**	**.12789**
Stddev	.00042	.08	.00003	.00044	.0037	.00001	.00194	.059	.00007	.00076
%RSD	15.282	.06112	.08067	6.1491	.19301	.04419	5.4754	.06319	1.1783	.59688
#1	-.00307	138.89	.03879	.00750	1.9369	.01664	.03402	93.565	.00615	.12735
#2	-.00247	139.01	.03875	.00687	1.9422	.01665	.03676	93.649	.00626	.12843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22594**	**.43446**	**239.70**	**17.582**	**.13770**	**46.642**	**2.1040**	**.00501**	**1.8763**	**.20598**
Stddev	.00080	.00053	.92	.010	.00262	.099	.0018	.00016	.0109	.00117
%RSD	.35333	.12119	.38464	.05411	1.9048	.21154	.08344	3.1170	.58096	.56559
#1	.22537	.43409	239.05	17.589	.13955	46.711	2.1052	.00512	1.8686	.20516
#2	.22650	.43483	240.35	17.575	.13584	46.572	2.1027	.00490	1.8840	.20681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8241**	**.16783**	**.99127**	**-.00052**	**-.00446**	**3.8656**	**8.2723**	**.02274**	**.51973**	**.06875**
Stddev	.0046	.00070	.00086	.00510	.00582	.0287	.0615	.00056	.00041	.00119
%RSD	.25329	.41445	.08710	982.73	130.65	.74327	.74327	2.4592	.07887	1.7370
#1	1.8208	.16734	.99188	.00309	-.00857	3.8859	8.3158	.02234	.51944	.06960
#2	1.8274	.16832	.99066	-.00412	-.00034	3.8453	8.2289	.02313	.52002	.06791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64419**	**-.00046**	F **-.51504**	**.28758**	**1.0577**	**.03374**
Stddev	.00181	.00206	.00699	.00116	.0004	.00048
%RSD	.28106	444.37	1.3572	.40319	.03369	1.4208
#1	.64291	.00099	-.51999	.28676	1.0575	.03408
#2	.64547	-.00192	-.51010	.28840	1.0580	.03340
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7969.7**	**100590.**	**10018.**
Stddev	25.2	270.	16.
%RSD	.31629	.26801	.16055
#1	7987.6	100400.	10029.
#2	7951.9	100780.	10007.

Sample Name: 280-46919-a-3-c Acquired: 9/26/2013 1:16:20 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**53.522**	**.28535**	**.32751**	**.67495**	**.00635**	**.02796**	F **1826.4**	**.00500**	**.04592**
Stddev	.00079	.140	.00539	.00276	.00326	.00022	.00195	10.0	.00015	.00087
%RSD	129.08	.26100	1.8900	.84259	.48263	3.4108	6.9599	.54734	2.9448	1.8907
#1	-.00005	53.621	.28916	.32946	.67725	.00650	.02658	1819.4	.00510	.04653
#2	-.00117	53.424	.28153	.32556	.67265	.00619	.02933	1833.5	.00490	.04530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48088**	**.13046**	**52.273**	**49.098**	**.07808**	W **1036.1**	**.96767**	**.22847**	**31.504**	**1.6306**
Stddev	.00492	.00074	.206	.073	.00067	19.9	.00247	.00231	.068	.0171
%RSD	1.0232	.56672	.39456	.14930	.85604	1.9250	.25539	1.0095	.21459	1.0464
#1	.48436	.12994	52.419	49.149	.07855	1050.2	.96593	.23010	31.552	1.6427
#2	.47740	.13098	52.127	49.046	.07761	1022.0	.96942	.22684	31.456	1.6185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						500.00				
Low Limit						-.10000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3163**	**.26460**	**135.20**	**.01579**	**.00983**	**2.6411**	**5.6520**	**.04010**	**3.1304**	**.01353**
Stddev	.0146	.00247	1.25	.00167	.00297	.0047	.0101	.00004	.0141	.00086
%RSD	1.1090	.93499	.92746	10.603	30.220	.17828	.17828	.10271	.45134	6.3529
#1	1.3266	.26635	136.09	.01460	.00773	2.6445	5.6591	.04007	3.1404	.01292
#2	1.3060	.26285	134.32	.01697	.01193	2.6378	5.6449	.04012	3.1204	.01413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1438**	**-.00634**	F **-.15445**	**6.1594**	**.41611**	**.18922**
Stddev	.0023	.00402	.03057	.0074	.00184	.00281
%RSD	.10785	63.494	19.794	.12042	.44234	1.4847
#1	2.1421	-.00918	-.13284	6.1542	.41741	.18723
#2	2.1454	-.00349	-.17607	6.1647	.41481	.19121
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6154.6**	**80154.**	**8463.2**
Stddev	22.8	516.	51.9
%RSD	.37000	.64406	.61312
#1	6138.5	79789.	8426.5
#2	6170.7	80519.	8499.9

Sample Name: CCVH-2271055 Acquired: 9/26/2013 1:19:18 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00414**	**48.786**	**.00212**	**.00349**	**.00038**	**-.00005**	**.98658**	**.05278**	**.00044**	**-.00050**	**-.00071**	**-.00691**	**48.823**
Stddev	.00022	.000	.00193	.00067	.00010	.00005	.00405	.02366	.00010	.00009	.00019	.00104	.057
%RSD	5.3882	.00101	91.127	19.138	26.859	97.229	.41004	44.833	22.660	18.724	27.035	15.012	.11718
#1	-.00398	48.786	.00075	.00396	.00031	-.00009	.98944	.06952	.00051	-.00056	-.00085	-.00764	48.864
#2	-.00430	48.785	.00348	.00301	.00045	-.00002	.98372	.03605	.00037	-.00043	-.00058	-.00618	48.783
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10845**	**-.00116**	**-.06431**	**-.00059**	**-.00031**	**252.51**	**.00005**	**.00375**	**.00070**	**4.8619**	**-.00053**	**-.00871**	**-.02243**
Stddev	.03242	.00156	.00099	.00011	.00033	.12	.00005	.00030	.00031	.0267	.00112	.00090	.00123
%RSD	29.900	134.86	1.5366	18.331	107.27	.04645	106.21	8.0057	44.150	.54925	213.28	10.346	5.4853
#1	.13137	-.00005	-.06362	-.00067	-.00008	252.42	.00001	.00354	.00048	4.8808	.00027	-.00807	-.02156
#2	.08552	-.00226	-.06501	-.00052	-.00055	252.59	.00009	.00397	.00092	4.8430	-.00132	-.00934	-.02330
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04800**	**.00333**	**.00029**	**4.7542**	**.00723**	**.00247**	**9.8842**	**-.00025**	**.00108**	**-.03448**
Stddev	.00263	.00045	.00005	.0052	.00004	.00010	.0516	.00008	.00031	.00237
%RSD	5.4853	13.398	18.417	.10839	.62257	4.2364	.52233	31.019	28.408	6.8863
#1	-.04614	.00302	.00026	4.7579	.00726	.00239	9.9207	-.00019	.00087	-.03281
#2	-.04986	.00365	.00033	4.7506	.00719	.00254	9.8477	-.00030	.00130	-.03616
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7031.1**	**89317.**	**8600.7**
Stddev	30.8	266.	6.1
%RSD	.43829	.29764	.07064
#1	7009.3	89129.	8605.0
#2	7052.9	89505.	8596.4

Sample Name: CCV-2271054 Acquired: 9/26/2013 1:21:35 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50033**	**.52073**	**1.0032**	**.50230**	**.49219**	**.48113**	**.00428**	**4.9164**	**.50525**	**.50500**	**.50273**	**.50201**	**2.4260**
Stddev	.00040	.00027	.0026	.00223	.00089	.00115	.00074	.0172	.00076	.00044	.00029	.00147	.0067
%RSD	.07976	.05125	.26032	.44303	.17986	.24005	17.381	.35006	.15065	.08763	.05849	.29315	.27568
#1	.50061	.52092	1.0014	.50073	.49156	.48031	.00376	4.9043	.50579	.50468	.50252	.50305	2.4213
#2	.50005	.52054	1.0051	.50388	.49281	.48194	.00481	4.9286	.50471	.50531	.50293	.50097	2.4308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.045**	**.97319**	**19.584**	**.49532**	**.50253**	**5.0741**	**.50998**	**.99617**	**1.0250**	**.00615**	**.97116**	**.99896**	**4.7907**
Stddev	.163	.00334	.046	.00006	.00174	.0316	.00159	.00351	.0066	.00262	.01363	.00414	.0187
%RSD	.32524	.34324	.23444	.01206	.34593	.62301	.31236	.35239	.64075	42.697	1.4034	.41453	.39041
#1	49.930	.97083	19.551	.49528	.50376	5.0964	.51111	.99866	1.0296	.00800	.98080	1.0019	4.7775
#2	50.160	.97555	19.616	.49536	.50130	5.0517	.50886	.99369	1.0204	.00429	.96152	.99603	4.8039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.252**	**1.0003**	**.48913**	**-.00366**	**.49278**	**1.0183**	**-.02744**	**.49528**	**.49252**	**.48781**
Stddev	.040	.0059	.00146	.00111	.00032	.0068	.01726	.00079	.00004	.00139
%RSD	.39041	.58829	.29945	30.346	.06459	.67129	62.903	.15994	.00882	.28459
#1	10.224	1.0045	.48809	-.00444	.49255	1.0231	-.03964	.49584	.49255	.48879
#2	10.280	.99615	.49016	-.00287	.49300	1.0134	-.01523	.49472	.49249	.48682
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7156.9**	**93480.**	**8746.5**
Stddev	2.3	71.	46.7
%RSD	.03210	.07646	.53388
#1	7158.6	93531.	8779.6
#2	7155.3	93430.	8713.5

Sample Name: CCB Acquired: 9/26/2013 1:23:43 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	W **.02787**	**.00181**	**.00235**	**.00025**	**.00006**	**.00233**	**.01140**	**-.00008**	**.00022**	**.00005**
Stddev	.00019	.00018	.00155	.00035	.00043	.00002	.00157	.00072	.00007	.00002	.00011
%RSD	35.631	.63141	86.071	14.832	171.14	30.426	67.357	6.3341	95.884	10.932	219.09
#1	.00040	.02774	.00071	.00210	.00056	.00007	.00122	.01191	-.00002	.00020	-.00003
#2	.00067	.02799	.00290	.00259	-.00005	.00004	.00344	.01089	-.00013	.00024	.00012
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.01800									
Low Limit		-.01800									

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**.00576**	**.10185**	**.00058**	**.00730**	**.00013**	**.00041**	**.04000**	**.00038**	**-.00203**	**-.00001**
Stddev	.00037	.00028	.03005	.00143	.00310	.00003	.00020	.01662	.00011	.00209	.00008
%RSD	53.359	4.8088	29.502	247.36	42.488	24.626	48.795	41.543	28.248	103.05	803.82
#1	-.00097	.00596	.12310	-.00043	.00949	.00015	.00027	.05175	.00046	-.00055	-.00006
#2	-.00044	.00556	.08061	.00159	.00511	.00010	.00055	.02825	.00031	-.00351	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01758**	F **.01868**	W **-.00669**	**.00807**	**.01728**	**.00184**	**-.00006**	**-.00148**	**.00011**	**.00170**	**-.01299**
Stddev	.00205	.00635	.00050	.01428	.03055	.00074	.00004	.00101	.00013	.00023	.04018
%RSD	11.671	34.005	7.5255	176.83	176.83	40.083	66.626	68.546	122.33	13.450	309.31
#1	.01903	.01419	-.00705	.01817	.03888	.00132	-.00003	-.00219	.00020	.00154	.01542
#2	.01613	.02318	-.00634	-.00202	-.00433	.00236	-.00009	-.00076	.00001	.00187	-.04140
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00001**	**.00146**	**.00138**
Stddev	.00023	.00003	.00028
%RSD	1808.3	2.2121	20.476
#1	.00015	.00143	.00158
#2	-.00018	.00148	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7014.8**	**92602.**	**8518.2**
Stddev	24.0	91.	34.9
%RSD	.34241	.09822	.40977
#1	7031.8	92667.	8542.9
#2	6997.8	92538.	8493.5

Sample Name: CCVL2271034 Acquired: 9/26/2013 1:26:01 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.11451**	**.01834**	**.10156**	**.01017**	**.00102**	**.11910**	**.21391**	**.00517**	**.01100**	**.01064**	**.01488**	**.10500**	**3.2033**
Stddev	.00058	.00002	.00089	.00042	.00009	.00003	.00058	.00070	.00019	.00002	.00007	.00053	.00070	.0578
%RSD	5.3649	.01707	4.8470	.41799	.86622	2.9134	.49113	.32694	3.7649	.19464	.68956	3.5447	.66410	1.8051
#1	.01046	.11450	.01896	.10186	.01024	.00100	.11951	.21342	.00503	.01101	.01059	.01450	.10451	3.1624
#2	.01128	.11453	.01771	.10126	.01011	.00104	.11869	.21441	.00530	.01098	.01069	.01525	.10549	3.2442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00845**	**.21325**	**.01048**	**.01994**	**1.1173**	**.04328**	**2.9507**	**.00987**	**.00521**	**.00922**	**.01233**	**.49409**	**1.0573**	**.10397**
Stddev	.00009	.00066	.00013	.00016	.0121	.00036	.0066	.00072	.00252	.00105	.00258	.01230	.0263	.00047
%RSD	1.1173	.30936	1.2377	.82730	1.0841	.82264	.22536	7.2686	48.346	11.431	20.940	2.4893	2.4893	.44870
#1	.00852	.21372	.01057	.01982	1.1258	.04353	2.9554	.01038	.00343	.00996	.01050	.50278	1.0760	.10364
#2	.00838	.21278	.01039	.02005	1.1087	.04303	2.9460	.00937	.00699	.00847	.01416	.48539	1.0387	.10430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01029**	**.01345**	**.01008**	**.01777**	**.05401**	**.00994**	**.02247**	**.01421**
Stddev	.00001	.00033	.00012	.00203	.00098	.00057	.00019	.00157
%RSD	.07983	2.4386	1.1682	11.422	1.8155	5.7297	.82920	11.030
#1	.01030	.01368	.01000	.01920	.05470	.01034	.02260	.01310
#2	.01029	.01321	.01017	.01633	.05332	.00953	.02234	.01532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7302.3**	**95367.**	**8710.2**
Stddev	.4	137.	43.0
%RSD	.00596	.14398	.49347
#1	7302.0	95464.	8679.8
#2	7302.6	95270.	8740.6

Sample Name: mb 280-192932/1-a Acquired: 9/26/2013 1:28:21 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00208**	**.00035**	**.00105**	**-.00003**	**-.00003**	**.00085**	**.00765**	**-.00001**	**.00004**
Stddev	.00063	.00000	.00010	.00035	.00014	.00005	.00001	.00059	.00004	.00018
%RSD	551.80	.23303	30.205	33.746	532.19	169.79	.89829	7.6835	645.67	455.60
#1	-.00033	.00208	.00027	.00130	.00008	.00001	.00085	.00806	-.00004	.00017
#2	.00056	.00208	.00042	.00080	-.00013	-.00007	.00084	.00723	.00002	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00046**	**.00520**	**-.00942**	**-.00055**	**.00186**	**-.00007**	**.00026**	**.01689**	**-.00018**
Stddev	.00008	.00034	.00024	.03667	.00015	.00144	.00008	.00008	.00108	.00006
%RSD	72.974	74.422	4.6466	389.30	27.117	77.586	108.73	28.856	6.3879	34.240
#1	.00006	-.00022	.00503	-.03535	-.00045	.00084	-.00013	.00021	.01613	-.00014
#2	.00017	-.00070	.00537	.01651	-.00066	.00288	-.00002	.00032	.01765	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**-.00143**	W **.00873**	**.00109**	W **-.00722**	**-.00097**	**-.00208**	**.00159**	**-.00008**	**-.00097**
Stddev	.00004	.00004	.00120	.00057	.00017	.00793	.01697	.00044	.00001	.00044
%RSD	10.147	2.8397	13.709	52.127	2.3700	816.56	816.56	27.287	13.547	45.078
#1	-.00045	-.00146	.00957	.00069	-.00710	.00464	.00992	.00190	-.00009	-.00066
#2	-.00039	-.00140	.00788	.00149	-.00734	-.00658	-.01408	.00129	-.00007	-.00128
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500		.00500					
Low Limit			-.00500		-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00043**	**.00709**	**.00026**	**.00280**	**-.00080**
Stddev	.00023	.00096	.02399	.00010	.00021	.00066
%RSD	243.89	225.32	338.39	38.976	7.6231	82.925
#1	.00026	.00111	.02406	.00019	.00295	-.00033
#2	-.00007	-.00025	-.00988	.00034	.00265	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7203.3**	**95288.**	**8661.8**
Stddev	30.4	82.	50.7
%RSD	.42172	.08642	.58530
#1	7181.8	95229.	8697.7
#2	7224.8	95346.	8626.0

Sample Name: lcs 280-192932/2-a Acquired: 9/26/2013 1:30:40 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04903**	**1.9375**	**1.0341**	**1.0290**	**2.0027**	**.04910**	**1.9834**	**49.044**	**.10419**	**.49066**
Stddev	.00112	.0010	.0082	.0005	.0036	.00011	.0010	.102	.00032	.00047
%RSD	2.2926	.05227	.79464	.05189	.17792	.22562	.05223	.20727	.31014	.09551
#1	.04982	1.9382	1.0283	1.0294	2.0002	.04902	1.9841	48.973	.10442	.49033
#2	.04824	1.9368	1.0399	1.0287	2.0052	.04918	1.9827	49.116	.10396	.49099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20094**	**.25050**	**.97012**	**51.037**	**.98572**	**49.159**	**.49251**	**.98862**	**51.641**	**.49613**
Stddev	.00015	.00051	.00020	.203	.00263	.194	.00047	.00191	.384	.00020
%RSD	.07443	.20422	.02033	.39786	.26690	.39476	.09642	.19318	.74423	.04092
#1	.20104	.25014	.96998	50.894	.98386	49.296	.49285	.98726	51.370	.49628
#2	.20083	.25086	.97026	51.181	.98758	49.022	.49218	.98997	51.913	.49599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.220**	**.50141**	**-.00341**	**.49944**	**2.0662**	**9.7687**	**20.905**	**1.9216**	**.99287**	**.94331**
Stddev	.018	.00055	.00141	.00284	.0015	.0845	.181	.0088	.00118	.00309
%RSD	.17992	.11001	41.261	.56817	.07112	.86509	.86509	.45719	.11841	.32805
#1	10.207	.50102	-.00441	.49743	2.0652	9.7090	20.777	1.9154	.99204	.94112
#2	10.233	.50180	-.00242	.50145	2.0672	9.8285	21.033	1.9278	.99370	.94550
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98482**	**1.9694**	**2.0326**	**.50412**	**.49197**	**.48609**
Stddev	.00208	.0001	.0634	.00138	.00291	.00442
%RSD	.21129	.00627	3.1190	.27324	.59211	.90921
#1	.98630	1.9695	2.0774	.50509	.49402	.48296
#2	.98335	1.9693	1.9877	.50314	.48991	.48921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7023.2**	**91183.**	**8746.7**
Stddev	10.4	594.	24.1
%RSD	.14772	.65137	.27591
#1	7030.5	90763.	8763.7
#2	7015.8	91603.	8729.6

Sample Name: 280-47025-a-1-a Acquired: 9/26/2013 1:32:47 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**31.525**	**.00677**	**.02115**	**.48586**	**.00190**	**-.00403**	**13.507**	**.00083**	**.01398**
Stddev	.00023	.108	.00050	.00009	.00055	.00003	.00139	.014	.00011	.00009
%RSD	57.600	.34315	7.4271	.44723	.11354	1.7796	34.395	.10635	13.609	.62880
#1	-.00057	31.449	.00642	.02108	.48547	.00193	-.00305	13.496	.00091	.01391
#2	-.00024	31.602	.00713	.02121	.48625	.00188	-.00501	13.517	.00075	.01404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02281**	**.05320**	**25.337**	**10.701**	**.02415**	**8.1920**	**.30906**	**.00165**	**14.127**	**.02124**
Stddev	.00003	.00019	.054	.009	.00003	.0051	.00021	.00005	.246	.00007
%RSD	.11711	.36292	.21190	.08551	.12665	.06261	.06902	2.8814	1.7406	.32790
#1	.02283	.05306	25.375	10.708	.02413	8.1957	.30891	.00162	13.953	.02119
#2	.02279	.05333	25.299	10.695	.02417	8.1884	.30921	.00168	14.301	.02129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34213**	**.02489**	**2.7099**	**-.00274**	**.00092**	**47.789**	**102.27**	**.00272**	**.43339**	**.00932**
Stddev	.00447	.00001	.0009	.00039	.00276	.167	.36	.00017	.00049	.00308
%RSD	1.3067	.04996	.03321	14.135	300.17	.34935	.34935	6.1086	.11266	33.074
#1	.34529	.02488	2.7105	-.00247	-.00103	47.671	102.02	.00284	.43374	.01150
#2	.33897	.02490	2.7093	-.00302	.00287	47.907	102.52	.00261	.43304	.00714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17852**	**.00070**	W **-.08271**	**.05188**	**.14063**	**.00542**
Stddev	.00142	.00051	.00358	.00075	.00017	.00094
%RSD	.79343	73.871	4.3288	1.4489	.12143	17.367
#1	.17752	.00033	-.08524	.05135	.14051	.00608
#2	.17952	.00106	-.08017	.05241	.14075	.00475
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7358.2**	**93364.**	**8954.0**
Stddev	43.5	106.	8.4
%RSD	.59139	.11386	.09411
#1	7327.4	93439.	8948.1
#2	7389.0	93289.	8960.0

Sample Name: 280-47025-a-1-aSD@5 Acquired: 9/26/2013 1:35:05 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**6.9016**	**.00225**	**.00649**	**.10195**	**.00038**	**.00135**	**2.8669**	**.00017**	**.00321**
Stddev	.00095	.0277	.00230	.00038	.00037	.00008	.00041	.0048	.00008	.00018
%RSD	193.52	.40106	102.30	5.7782	.36662	19.731	30.250	.16621	45.680	5.5062
#1	.00116	6.8820	.00062	.00623	.10168	.00044	.00106	2.8702	.00022	.00308
#2	-.00018	6.9212	.00388	.00676	.10221	.00033	.00164	2.8635	.00011	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00507**	**.01081**	**5.3509**	**2.3614**	**.00646**	**1.7395**	**.06449**	**.00047**	**2.7857**	**.00444**
Stddev	.00014	.00032	.0226	.0574	.00415	.0024	.00011	.00015	.0123	.00001
%RSD	2.7660	2.9766	.42165	2.4306	64.207	.13583	.17056	31.185	.44190	.16318
#1	.00517	.01058	5.3349	2.3209	.00939	1.7378	.06441	.00057	2.7944	.00444
#2	.00497	.01104	5.3668	2.4020	.00353	1.7412	.06457	.00037	2.7770	.00443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07075**	**.00504**	**.57595**	**-.00103**	**-.00307**	**10.545**	**22.567**	**.00086**	**.09084**	**.00103**
Stddev	.00071	.00098	.00241	.00058	.00315	.002	.003	.00025	.00007	.00132
%RSD	1.0082	19.435	.41769	56.407	102.55	.01441	.01441	28.791	.08158	128.45
#1	.07125	.00435	.57765	-.00144	-.00084	10.544	22.565	.00103	.09078	.00009
#2	.07025	.00573	.57425	-.00062	-.00529	10.547	22.570	.00068	.09089	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04520**	**.00113**	**-.04769**	**.01096**	**.03519**	**.00225**
Stddev	.00092	.00161	.00454	.00023	.00009	.00230
%RSD	2.0256	142.32	9.5192	2.1331	.26262	102.42
#1	.04585	.00227	-.05090	.01079	.03512	.00388
#2	.04456	-.00001	-.04448	.01112	.03525	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7345.6**	**95690.**	**8946.2**
Stddev	5.3	78.	129.3
%RSD	.07158	.08179	1.4454
#1	7341.9	95635.	9037.6
#2	7349.3	95745.	8854.7

Sample Name: 280-47025-a-1-b ms Acquired: 9/26/2013 1:37:25 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04271**	**68.666**	**.88942**	**.88172**	**2.2451**	**.04434**	F **1.7826**	**55.524**	**.09049**	**.43525**
Stddev	.00124	.006	.00213	.00028	.0110	.00025	.0024	.087	.00002	.00092
%RSD	2.9037	.00881	.23981	.03157	.49075	.56051	.13475	.15704	.02514	.21241
#1	.04359	68.661	.89092	.88192	2.2373	.04416	1.7843	55.462	.09050	.43460
#2	.04184	68.670	.88791	.88152	2.2529	.04452	1.7809	55.585	.09047	.43591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21315**	**.27315**	**29.392**	**58.593**	**.89544**	**52.066**	**.72081**	**.83216**	**58.215**	**.44950**
Stddev	.00007	.00029	.137	.138	.00130	.008	.00100	.00064	.885	.00010
%RSD	.03501	.10620	.46534	.23576	.14563	.01445	.13875	.07672	1.5207	.02305
#1	.21310	.27336	29.295	58.495	.89636	52.072	.72152	.83171	57.589	.44957
#2	.21320	.27295	29.489	58.690	.89451	52.061	.72011	.83261	58.841	.44942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.7654**	**.44954**	**2.5642**	**.30347**	**1.7284**	W **86.753**	**185.65**	**1.6077**	**1.2853**	**.83110**
Stddev	.0009	.00054	.0131	.00187	.0060	.149	.32	.0053	.0056	.00081
%RSD	.01048	.12107	.51020	.61547	.34477	.17198	.17198	.33182	.43725	.09698
#1	8.7660	.44992	2.5734	.30479	1.7242	86.647	185.43	1.6114	1.2813	.83053
#2	8.7647	.44915	2.5549	.30215	1.7326	86.858	185.88	1.6039	1.2892	.83167
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97539**	**1.6536**	**1.7415**	**.52915**	**.56208**	**.38750**
Stddev	.00048	.0028	.0192	.00035	.00153	.00334
%RSD	.04899	.16866	1.1000	.06560	.27241	.86130
#1	.97505	1.6556	1.7279	.52891	.56316	.38514
#2	.97573	1.6516	1.7550	.52940	.56100	.38986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7149.9**	**91600.**	**8914.4**
Stddev	2.4	293.	4.2
%RSD	.03311	.31934	.04736
#1	7148.2	91807.	8911.4
#2	7151.6	91393.	8917.3

Sample Name: 280-47025-a-1-c msd Acquired: 9/26/2013 1:39:32 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04298**	**69.153**	**.90804**	**.89697**	**2.2783**	**.04495**	F **1.8136**	**56.325**	**.09214**	**.44408**
Stddev	.00028	.075	.00255	.00751	.0069	.00031	.0130	.077	.00053	.00404
%RSD	.64938	.10811	.28052	.83729	.30276	.67912	.71384	.13594	.57060	.91084
#1	.04318	69.101	.90624	.89166	2.2734	.04473	1.8044	56.271	.09176	.44122
#2	.04279	69.206	.90985	.90228	2.2832	.04517	1.8227	56.380	.09251	.44694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21592**	**.27671**	**29.778**	**59.147**	**.90833**	**52.650**	**.73129**	**.84572**	**58.732**	**.45479**
Stddev	.00166	.00043	.159	.039	.00362	.093	.00030	.00148	.479	.00345
%RSD	.77025	.15441	.53236	.06538	.39830	.17703	.04090	.17486	.81632	.75883
#1	.21475	.27641	29.666	59.119	.90578	52.716	.73151	.84468	58.393	.45235
#2	.21710	.27701	29.890	59.174	.91089	52.584	.73108	.84677	59.071	.45723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.9331**	**.45833**	**2.6301**	**.31003**	**1.7543**	W **85.470**	**182.91**	**1.6389**	**1.3044**	**.84501**
Stddev	.0163	.00313	.0242	.00562	.0130	.110	.23	.0152	.0046	.00323
%RSD	.18243	.68247	.91940	1.8135	.74177	.12847	.12847	.92958	.35407	.38228
#1	8.9215	.45612	2.6130	.30606	1.7451	85.393	182.74	1.6281	1.3012	.84730
#2	8.9446	.46054	2.6472	.31401	1.7635	85.548	183.07	1.6497	1.3077	.84273
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97583**	**1.6764**	**1.7755**	**.53676**	**.73807**	**.39230**
Stddev	.00085	.0132	.0413	.00164	.00286	.00104
%RSD	.08761	.78432	2.3251	.30582	.38792	.26519
#1	.97644	1.6671	1.7463	.53792	.74010	.39156
#2	.97523	1.6857	1.8047	.53560	.73605	.39303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7232.1**	**92660.**	**9037.8**
Stddev	14.4	672.	34.7
%RSD	.19929	.72534	.38449
#1	7221.9	92184.	9062.4
#2	7242.3	93135.	9013.2

Sample Name: 280-47025-a-2-a Acquired: 9/26/2013 1:41:39 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**5.9158**	**.00078**	**.01754**	**.13045**	**.00024**	**-.00123**	**33.682**	**.00027**	**.00168**
Stddev	.00015	.0503	.00364	.00025	.00051	.00002	.00031	.113	.00004	.00002
%RSD	26.122	.85067	463.61	1.3980	.39255	9.3192	24.937	.33441	15.176	1.4024
#1	.00070	5.9514	-.00179	.01736	.13081	.00025	-.00101	33.761	.00030	.00166
#2	.00048	5.8802	.00336	.01771	.13008	.00022	-.00145	33.602	.00024	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**.00579**	**3.6706**	**3.1196**	**.00905**	**8.9414**	**.07642**	**.00169**	**19.530**	**.00258**
Stddev	.00023	.00020	.0233	.0271	.00041	.0311	.00023	.00003	.290	.00004
%RSD	5.3848	3.3757	.63411	.86774	4.4885	.34725	.29500	1.8714	1.4830	1.5770
#1	.00418	.00593	3.6542	3.1387	.00876	8.9194	.07626	.00167	19.325	.00256
#2	.00451	.00565	3.6871	3.1004	.00934	8.9633	.07658	.00171	19.735	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06410**	**.00293**	**16.605**	**-.00291**	**-.00318**	**14.423**	**30.866**	**.00156**	**.34891**	**.00133**
Stddev	.00080	.00005	.021	.00029	.00404	.070	.150	.00046	.00053	.00164
%RSD	1.2449	1.6752	.12492	10.084	126.98	.48525	.48525	29.421	.15261	122.70
#1	.06467	.00290	16.619	-.00312	-.00603	14.374	30.760	.00188	.34928	.00249
#2	.06354	.00297	16.590	-.00271	-.00032	14.473	30.972	.00123	.34853	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11683**	**.00028**	**-.01158**	**.01020**	**.02211**	**.00310**
Stddev	.00200	.00119	.03054	.00023	.00017	.00115
%RSD	1.7155	431.25	263.73	2.2485	.78911	36.999
#1	.11541	.00112	-.03317	.01036	.02223	.00229
#2	.11824	-.00057	.01001	.01004	.02198	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7304.6**	**95126.**	**9058.4**
Stddev	4.8	62.	57.8
%RSD	.06515	.06496	.63769
#1	7301.2	95082.	9017.5
#2	7307.9	95170.	9099.2

Sample Name: 280-47025-a-3-a Acquired: 9/26/2013 1:43:57 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**10.559**	**.00237**	**.02451**	**.21639**	**.00048**	**-.00066**	**20.703**	**.00037**	**.00271**
Stddev	.00027	.030	.00018	.00030	.00020	.00002	.00170	.022	.00010	.00005
%RSD	77.253	.28442	7.7883	1.2103	.09139	3.8386	256.03	.10568	25.825	2.0155
#1	.00016	10.580	.00250	.02472	.21625	.00047	-.00187	20.687	.00031	.00267
#2	.00053	10.538	.00224	.02430	.21653	.00050	.00054	20.718	.00044	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00703**	**.01234**	**6.6782**	**8.8245**	**.00933**	**6.4523**	**.07209**	**.00101**	**7.5631**	**.00541**
Stddev	.00001	.00026	.0120	.0167	.00008	.0022	.00004	.00012	.0367	.00001
%RSD	.20444	2.1216	.17895	.18936	.89971	.03433	.06108	11.630	.48566	.15013
#1	.00704	.01216	6.6697	8.8363	.00927	6.4538	.07212	.00092	7.5372	.00540
#2	.00702	.01253	6.6866	8.8127	.00939	6.4507	.07206	.00109	7.5891	.00541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15305**	**.00421**	**4.0990**	**.00011**	W **-.00538**	**19.215**	**41.120**	**.00158**	**.35523**	**.00335**
Stddev	.00092	.00068	.0205	.00135	.00126	.002	.004	.00063	.00044	.00057
%RSD	.60151	16.256	.49919	1208.4	23.431	.01081	.01081	40.105	.12344	17.082
#1	.15370	.00373	4.1134	-.00084	-.00627	19.214	41.117	.00203	.35492	.00376
#2	.15240	.00470	4.0845	.00107	-.00449	19.217	41.124	.00113	.35554	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14848**	**.00164**	**-.02757**	**.01652**	**.11526**	**.00386**
Stddev	.00076	.00089	.00650	.00010	.00033	.00160
%RSD	.50912	54.639	23.571	.61110	.28708	41.538
#1	.14901	.00100	-.02297	.01659	.11503	.00273
#2	.14794	.00227	-.03217	.01645	.11550	.00500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7389.5**	**95506.**	**9042.5**
Stddev	31.3	420.	64.1
%RSD	.42334	.43955	.70857
#1	7367.4	95209.	9087.8
#2	7411.6	95802.	8997.2

Sample Name: 280-47025-a-4-a Acquired: 9/26/2013 1:46:16 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**9.9562**	**.00488**	**.02049**	**.20143**	**.00065**	**.00065**	**32.201**	**.00033**	**.00394**
Stddev	.00023	.0144	.00122	.00027	.00063	.00003	.00240	.122	.00003	.00013
%RSD	86.596	.14483	25.070	1.3233	.31300	4.5574	369.69	.37815	10.155	3.4093
#1	-.00042	9.9460	.00574	.02068	.20098	.00063	-.00105	32.114	.00036	.00404
#2	-.00010	9.9664	.00401	.02030	.20187	.00067	.00234	32.287	.00031	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.01289**	**10.298**	**4.2794**	**.01446**	**8.5720**	**.23799**	**.00089**	**7.3722**	**.00919**
Stddev	.00014	.00006	.029	.0310	.00082	.0347	.00055	.00018	.0110	.00025
%RSD	1.4544	.47030	.27991	.72415	5.6441	.40428	.23022	20.183	.14900	2.6929
#1	.00920	.01293	10.277	4.3013	.01504	8.5475	.23760	.00076	7.3645	.00902
#2	.00939	.01284	10.318	4.2575	.01388	8.5965	.23838	.00102	7.3800	.00937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31379**	**.00737**	**11.987**	**-.00208**	**-.00483**	**21.192**	**45.350**	**.00081**	**.23289**	**.00108**
Stddev	.00455	.00086	.084	.00256	.00175	.002	.005	.00121	.00077	.00084
%RSD	1.4498	11.670	.70438	123.54	36.240	.01129	.01129	150.56	.33059	77.805
#1	.31700	.00797	12.047	-.00026	-.00359	21.193	45.354	-.00005	.23234	.00167
#2	.31057	.00676	11.927	-.00389	-.00606	21.190	45.346	.00166	.23343	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13301**	**.00098**	**-.00757**	**.02206**	**.04511**	**.00412**
Stddev	.00054	.00060	.02158	.00007	.00069	.00008
%RSD	.40396	61.358	285.00	.30979	1.5383	1.9943
#1	.13263	.00140	-.02283	.02201	.04462	.00418
#2	.13339	.00055	.00769	.02211	.04560	.00406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7401.9**	**95725.**	**9111.5**
Stddev	19.6	722.	5.5
%RSD	.26418	.75391	.06026
#1	7415.7	96235.	9107.7
#2	7388.1	95214.	9115.4

Sample Name: 280-47025-a-5-a Acquired: 9/26/2013 1:48:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.08068**	**-.00090**	**.02435**	**.07147**	**-.00006**	**.00224**	**70.746**	**.00057**	**.00012**
Stddev	.00051	.00031	.00080	.00010	.00070	.00007	.00159	.108	.00004	.00019
%RSD	1924.8	.38890	88.912	.40010	.97814	108.75	70.950	.15295	7.2559	153.68
#1	.00034	.08090	-.00147	.02442	.07098	-.00002	.00336	70.822	.00060	.00026
#2	-.00039	.08046	-.00034	.02428	.07197	-.00011	.00112	70.669	.00054	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00078**	**.16216**	**4.3933**	**.05752**	**54.016**	**.03172**	**.00101**	**295.64**	**.00086**
Stddev	.00023	.00017	.00149	.0486	.00271	.007	.00023	.00024	.87	.00015
%RSD	93.774	21.546	.91701	1.1066	4.7098	.01216	.73143	24.107	.29453	17.156
#1	.00008	.00090	.16321	4.3589	.05561	54.011	.03188	.00084	296.25	.00075
#2	.00040	.00066	.16111	4.4277	.05944	54.021	.03155	.00118	295.02	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00742**	**.00028**	**148.85**	**-.00113**	W **-.00710**	**4.1744**	**8.9333**	**-.00050**	**2.3841**	**-.00219**
Stddev	.00184	.00060	.52	.00048	.00170	.0473	.1012	.00026	.0073	.00069
%RSD	24.737	213.88	.35152	42.341	23.910	1.1326	1.1326	51.829	.30839	31.433
#1	.00872	-.00014	148.48	-.00147	-.00830	4.1410	8.8617	-.00068	2.3893	-.00170
#2	.00612	.00070	149.22	-.00079	-.00590	4.2079	9.0048	-.00031	2.3789	-.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**.00205**	**-.01015**	**.00098**	**.00277**	**.00117**
Stddev	.00052	.00001	.02885	.00012	.00005	.00071
%RSD	26.596	.28201	284.26	12.639	1.8803	60.308
#1	.00231	.00205	.01025	.00089	.00273	.00167
#2	.00158	.00205	-.03055	.00107	.00280	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.4**	**88584.**	**8757.0**
Stddev	23.6	29.	3.2
%RSD	.34415	.03323	.03684
#1	6846.7	88563.	8754.7
#2	6880.1	88604.	8759.3

Sample Name: CCVH-2271055 Acquired: 9/26/2013 1:51:00 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00359**	**48.952**	**.00237**	**.00215**	**.00019**	**-.00004**	**.98629**	**.02529**	**.00025**	**-.00053**	**-.00041**	**-.00581**
Stddev	.00052	.248	.00116	.00068	.00035	.00000	.00099	.00808	.00013	.00022	.00003	.00001
%RSD	14.482	.50625	48.995	31.831	180.16	7.0360	.10059	31.953	52.773	41.458	7.9944	.18719
#1	-.00322	48.777	.00319	.00263	-.00005	-.00004	.98559	.03100	.00035	-.00037	-.00039	-.00580
#2	-.00395	49.127	.00155	.00167	.00044	-.00004	.98699	.01958	.00016	-.00068	-.00043	-.00582
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.681**	**.08154**	**.00359**	**-.07596**	**-.00059**	**-.00026**	**254.09**	**-.00001**	**.00302**	**.00101**	**4.8195**	**-.00002**
Stddev	.365	.01331	.00228	.00215	.00000	.00014	.15	.00004	.00019	.00061	.0179	.00046
%RSD	.75033	16.325	63.521	2.8297	.17950	54.886	.05715	592.52	6.4521	60.357	.37140	2826.5
#1	48.423	.07213	.00521	-.07444	-.00060	-.00016	253.99	-.00004	.00316	.00058	4.8069	-.00034
#2	48.939	.09095	.00198	-.07748	-.00059	-.00036	254.19	.00002	.00288	.00144	4.8322	.00031
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00517**	**.00965**	**.02065**	**.00159**	**.00095**	W **4.6722**	**.00675**	**.00197**	**9.8086**	**.00025**	**-.00057**	**-.02893**
Stddev	.00949	.02347	.05022	.00029	.00023	.0134	.00005	.00021	.0219	.00006	.00006	.00059
%RSD	183.48	243.25	243.25	18.487	24.210	.28670	.66855	10.815	.22349	25.372	9.7774	2.0402
#1	.00154	-.00695	-.01487	.00138	.00112	4.6817	.00672	.00182	9.7931	.00030	-.00061	-.02851
#2	-.01188	.02624	.05616	.00180	.00079	4.6627	.00679	.00213	9.8241	.00021	-.00053	-.02934
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7060.9**	**91216.**	**8765.7**
Stddev	4.4	252.	1.4
%RSD	.06205	.27574	.01607
#1	7064.0	91038.	8764.7
#2	7057.8	91394.	8766.7

Sample Name: CCV-2271054 Acquired: 9/26/2013 1:53:19 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50171**	**.51702**	**1.0071**	**.50610**	**.49617**	**.48639**	**.00358**	**4.9542**	**.50496**	**.50394**	**.50525**	**.50206**	**2.4521**
Stddev	.00211	.00192	.0053	.00157	.00104	.00080	.00193	.0002	.00021	.00029	.00145	.00260	.0043
%RSD	.42127	.37200	.52476	.31099	.20952	.16397	53.834	.00349	.04087	.05714	.28611	.51880	.17643
#1	.50321	.51566	1.0108	.50499	.49543	.48695	.00222	4.9544	.50510	.50373	.50423	.50391	2.4551
#2	.50022	.51838	1.0033	.50722	.49690	.48582	.00494	4.9541	.50481	.50414	.50628	.50022	2.4490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.598**	**.98672**	**19.484**	**.49474**	**.49805**	**5.1780**	**.50937**	**.98497**	**1.0215**	**.00506**	**.96371**	**1.0099**	**4.9428**
Stddev	.083	.00274	.001	.00039	.00014	.0201	.00069	.00009	.0009	.00693	.00532	.0001	.0031
%RSD	.16364	.27796	.00485	.07892	.02846	.38763	.13643	.00873	.09159	137.08	.55253	.00636	.06351
#1	50.656	.98478	19.483	.49446	.49815	5.1921	.50887	.98503	1.0209	.00016	.96748	1.0100	4.9450
#2	50.539	.98866	19.485	.49502	.49795	5.1638	.50986	.98491	1.0222	.00996	.95995	1.0099	4.9406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.578**	**.99251**	**.49416**	**-.00230**	**.49175**	**1.0088**	**.01548**	**.49888**	**.49196**	**.49194**
Stddev	.007	.00091	.00004	.00023	.00019	.0015	.00605	.00168	.00137	.00030
%RSD	.06351	.09147	.00759	9.9579	.03880	.15121	39.101	.33696	.27804	.06050
#1	10.582	.99187	.49418	-.00214	.49188	1.0099	.01976	.49769	.49099	.49173
#2	10.573	.99315	.49413	-.00246	.49161	1.0078	.01120	.50007	.49293	.49215
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7070.4**	**92716.**	**8750.8**
Stddev	14.5	960.	36.9
%RSD	.20538	1.0353	.42125
#1	7080.7	93394.	8776.8
#2	7060.1	92037.	8724.7

Sample Name: CCB Acquired: 9/26/2013 1:55:27 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00135**	**.00043**	**.00151**	**-.00010**	**.00011**	**.00224**	**.00170**	**-.00031**	**.00001**	**.00006**
Stddev	.00027	.00020	.00070	.00007	.00006	.00002	.00052	.00135	.00001	.00010	.00007
%RSD	2245.6	14.826	160.94	4.9121	55.734	15.312	23.250	79.191	4.6868	750.70	108.79
#1	.00018	.00150	.00093	.00156	-.00006	.00012	.00261	.00075	-.00032	-.00006	.00011
#2	-.00020	.00121	-.00006	.00145	-.00014	.00010	.00187	.00265	-.00030	.00009	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00294**	**.10580**	**-.00100**	**.00419**	**.00005**	**.00038**	**.05786**	**.00006**	**-.00165**	**-.00106**
Stddev	.00004	.00063	.03320	.00002	.00290	.00001	.00032	.00272	.00011	.00051	.00050
%RSD	16.084	21.546	31.379	1.8071	69.372	19.630	84.336	4.7000	171.88	31.060	47.179
#1	-.00025	.00339	.12927	-.00101	.00213	.00006	.00015	.05978	-.00001	-.00128	-.00071
#2	-.00031	.00249	.08232	-.00099	.00624	.00005	.00061	.05593	.00014	-.00201	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**F .01930**	**W -.00801**	**.00945**	**.02023**	**.00118**	**.00017**	**.00022**	**-.00002**	**.00088**	**-.01809**
Stddev	.00165	.00548	.00200	.01220	.02612	.00043	.00003	.00113	.00036	.00101	.00714
%RSD	30.112	28.386	25.039	129.13	129.13	36.584	17.464	506.92	2184.1	115.71	39.460
#1	.00666	.01543	-.00659	.01808	.03869	.00088	.00015	-.00058	.00024	.00016	-.01304
#2	.00432	.02317	-.00942	.00082	.00176	.00149	.00019	.00102	-.00027	.00159	-.02314
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00007**	**.00094**	**.00034**
Stddev	.00031	.00010	.00226
%RSD	474.64	10.196	665.97
#1	.00029	.00100	.00194
#2	-.00016	.00087	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7099.5**	**93420.**	**8524.3**
Stddev	7.1	35.	37.3
%RSD	.10014	.03729	.43813
#1	7094.4	93445.	8550.7
#2	7104.5	93395.	8497.9

Sample Name: CCVL2271034 Acquired: 9/26/2013 1:57:44 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.11163**	**.01942**	**.09963**	**.01038**	**.00095**	**.11365**	**.22944**	**.00509**	**.01081**	**.01055**	**.01490**	**.11081**
Stddev	.00035	.00140	.00039	.00108	.00008	.00005	.00102	.00373	.00025	.00013	.00009	.00014	.00111
%RSD	3.3380	1.2520	2.0102	1.0822	.77739	5.2510	.89363	1.6241	4.8275	1.1996	.89554	.93603	1.0057
#1	.01019	.11262	.01969	.10039	.01032	.00099	.11437	.23208	.00492	.01090	.01061	.01480	.11159
#2	.01068	.11064	.01914	.09886	.01043	.00092	.11293	.22681	.00527	.01072	.01048	.01500	.11002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1600**	**.01004**	**.21238**	**.01040**	**.01991**	**1.1147**	**.04280**	**2.8923**	**.00929**	**.00707**	**.01087**	**.01096**	**.48979**
Stddev	.0114	.00028	.00286	.00003	.00007	.0009	.00026	.0094	.00121	.00328	.00240	.00609	.00881
%RSD	.36151	2.7798	1.3466	.32875	.34732	.08199	.60809	.32580	12.971	46.324	22.114	55.613	1.7986
#1	3.1520	.01024	.21036	.01043	.01986	1.1154	.04298	2.8990	.00844	.00939	.00917	.00665	.49601
#2	3.1681	.00985	.21440	.01038	.01996	1.1141	.04262	2.8856	.01014	.00475	.01257	.01527	.48356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0481**	**.10221**	**.01022**	**.01486**	**.00950**	**.01769**	F **.03977**	**.01070**	**.02213**	**.01632**
Stddev	.0188	.00066	.00002	.00203	.00010	.00056	.02641	.00029	.00018	.00084
%RSD	1.7986	.64940	.16794	13.628	1.0734	3.1796	66.418	2.6847	.82036	5.1466
#1	1.0615	.10268	.01023	.01343	.00943	.01809	.05844	.01090	.02226	.01691
#2	1.0348	.10174	.01021	.01629	.00958	.01729	.02109	.01049	.02200	.01572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7241.1**	**95159.**	**8684.6**
Stddev	7.8	224.	20.6
%RSD	.10725	.23536	.23753
#1	7246.6	95317.	8670.1
#2	7235.6	95000.	8699.2

Sample Name: 280-47014-b-1-a Acquired: 9/26/2013 2:00:01 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00050**	k **43.242**	k **.02937**	**.00567**	**.01810**	k **.00802**	k **.01453**	**279.69**	k **.05182**	**.19201**
Stddev	.00002	.063	.00248	.00067	.00015	.00001	.00110	3.19	.00003	.00069
%RSD	3.7249	.14509	8.4436	11.765	.83672	.12967	7.5499	1.1410	.05485	.36135
#1	k -.00049	k 43.286	k .03112	.00614	.01821	k .00801	k .01376	277.44	k .05184	.19152
#2	k -.00052	k 43.197	k .02762	.00520	.01799	k .00802	k .01531	281.95	k .05180	.19250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00361**	**9.8870**	k **43.468**	**4.5389**	k **.01497**	k **35.443**	kW **11.821**	k **-.00024**	**52.538**	k **.22017**
Stddev	.00016	.0060	.024	.0286	.00134	.127	.042	.00004	.230	.00036
%RSD	4.3466	.06063	.05521	.63079	8.9296	.35917	.35463	16.789	.43811	.16202
#1	k .00350	9.8912	k 43.485	4.5187	k .01591	k 35.533	k 11.850	k -.00026	52.701	k .21992
#2	k .00372	9.8827	k 43.451	4.5592	k .01402	k 35.353	k 11.791	k -.00021	52.375	k .22042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.10733**	k **.06138**	kF **391.39**	k **.00310**	k **.00349**	k **13.409**	k **28.694**	k **.00084**	**.91166**	k **.03592**
Stddev	.00350	.00073	.23	.00249	.00040	.006	.014	.00066	.00144	.00077
%RSD	3.2607	1.1853	.05882	80.373	11.538	.04707	.04707	78.519	.15830	2.1316
#1	k .10981	k .06190	k 391.23	k .00134	k .00377	k 13.404	k 28.685	k .00131	.91064	k .03646
#2	k .10486	k .06087	k 391.56	k .00486	k .00321	k 13.413	k 28.704	k .00037	.91268	k .03538
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00009**	k **.01568**	kF **-.17869**	k **-.00167**	k **5.3433**	k **-.00062**
Stddev	.00016	.00100	.05366	.00046	.0169	.00093
%RSD	181.79	6.3588	30.029	27.811	.31546	148.12
#1	k .00020	k .01498	k -.21663	k -.00134	k 5.3552	k -.00128
#2	k -.00002	k .01639	k -.14075	k -.00200	k 5.3314	k .00003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7196.9**	**92064.**	**9019.4**
Stddev	3.9	694.	62.1
%RSD	.05384	.75393	.68827
#1	7199.6	91573.	9063.3
#2	7194.2	92555.	8975.5

Sample Name: 280-47014-b-2-a Acquired: 9/26/2013 2:02:29 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**3.6344**	**-.00125**	**.00797**	**.02905**	**-.00004**	**-.00177**	**464.08**	**.00086**	**.00168**
Stddev	.00090	.0496	.00030	.00018	.00014	.00001	.00320	2.28	.00013	.00016
%RSD	589.46	1.3645	24.448	2.2182	.48555	31.240	180.57	.49145	14.588	9.6379
#1	.00048	3.5993	-.00103	.00784	.02895	-.00003	-.00404	462.47	.00077	.00157
#2	-.00079	3.6695	-.00146	.00809	.02915	-.00005	.00049	465.70	.00095	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.05756**	**.18330**	**5.1493**	**.00608**	**25.625**	**1.0619**	**.00211**	**58.714**	**.00075**
Stddev	.00012	.00085	.00486	.0365	.00158	.009	.0013	.00019	.740	.00037
%RSD	14.867	1.4726	2.6522	.70869	25.921	.03506	.12358	8.9019	1.2599	49.763
#1	.00070	.05816	.18674	5.1235	.00719	25.631	1.0628	.00198	58.191	.00101
#2	.00087	.05696	.17987	5.1751	.00497	25.618	1.0609	.00225	59.237	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**-.00029**	F **413.35**	**.00115**	W **-.00831**	**.26939**	**.57649**	**.00045**	**1.0955**	**-.00087**
Stddev	.00129	.00080	.33	.00146	.00200	.00950	.02032	.00015	.0050	.00030
%RSD	35.504	277.83	.07887	127.63	24.034	3.5249	3.5249	33.919	.45628	34.399
#1	.00455	.00028	413.12	.00011	-.00690	.26268	.56212	.00034	1.0920	-.00109
#2	.00272	-.00085	413.58	.00218	-.00972	.27610	.59086	.00056	1.0991	-.00066
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00		5.0000					
Low Limit			-.20000		-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00281**	W **-.05858**	**.00121**	**.02885**	**.00133**
Stddev	.00019	.00093	.02663	.00019	.00023	.00165
%RSD	180.64	32.998	45.462	15.458	.79738	123.43
#1	.00003	.00216	-.07741	.00134	.02902	.00250
#2	-.00023	.00347	-.03975	.00108	.02869	.00017
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6634.6**	**86593.**	**8454.2**
Stddev	36.4	117.	54.9
%RSD	.54846	.13522	.64898
#1	6660.3	86510.	8493.0
#2	6608.8	86676.	8415.4

Sample Name: 280-47014-b-3-a Acquired: 9/26/2013 2:04:54 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**5.6100**	**-.00089**	**.00471**	**.03155**	**.00061**	**-.00049**	**185.09**	**.00299**	**.01569**
Stddev	.00044	.0131	.00078	.00078	.00014	.00004	.00281	1.08	.00018	.00013
%RSD	130.01	.23336	87.567	16.603	.45820	6.0123	573.50	.58230	6.0852	.79681
#1	.00003	5.6193	-.00145	.00416	.03166	.00059	-.00248	185.85	.00312	.01578
#2	.00065	5.6007	-.00034	.00526	.03145	.00064	.00150	184.32	.00286	.01560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.49558**	**2.7256**	**2.6373**	**.00680**	**14.696**	**1.7647**	**.00057**	**22.007**	**.02278**
Stddev	.00001	.00155	.0282	.0169	.00001	.018	.0003	.00004	.168	.00038
%RSD	3.3378	.31316	1.0338	.64092	.15356	.12049	.01582	6.1933	.76455	1.6823
#1	.00038	.49448	2.7057	2.6253	.00681	14.709	1.7649	.00054	22.126	.02305
#2	.00040	.49668	2.7455	2.6493	.00679	14.683	1.7645	.00059	21.888	.02251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02523**	**.00016**	**174.82**	**.00075**	W **-.00645**	**5.9715**	**12.779**	**.00072**	**.54011**	**-.00013**
Stddev	.00110	.00107	.18	.00182	.00384	.0338	.072	.00041	.00107	.00296
%RSD	4.3566	690.11	.10066	242.67	59.484	.56681	.56681	57.521	.19819	2242.5
#1	.02601	-.00060	174.95	.00204	-.00374	5.9476	12.728	.00043	.53935	-.00222
#2	.02445	.00092	174.70	-.00054	-.00916	5.9954	12.830	.00101	.54087	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00194**	W **-.06420**	**.00234**	**.52578**	**.00125**
Stddev	.00013	.00029	.06350	.00034	.00073	.00210
%RSD	25.595	14.911	98.906	14.614	.13830	167.96
#1	.00042	.00215	-.01930	.00258	.52526	.00273
#2	.00061	.00174	-.10910	.00210	.52629	-.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6932.8**	**90376.**	**8535.0**
Stddev	27.2	417.	30.2
%RSD	.39271	.46142	.35380
#1	6952.1	90671.	8556.3
#2	6913.6	90081.	8513.6

Sample Name: 280-47005-e-5-a Acquired: 9/26/2013 2:07:17 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.06180**	**-.00124**	**.16712**	**.05556**	**.00003**	**.00048**	**45.969**	**.00025**	**.00423**
Stddev	.00025	.00049	.00111	.00068	.00019	.00004	.00117	.229	.00038	.00025
%RSD	136.07	.78700	89.387	.40438	.34298	126.64	246.23	.49865	154.84	5.9286
#1	.00001	.06146	-.00203	.16665	.05543	.00000	-.00035	45.807	-.00002	.00405
#2	.00036	.06215	-.00046	.16760	.05570	.00006	.00131	46.132	.00051	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.00618**	**.30698**	**45.550**	**.01849**	**13.267**	**.08984**	**.00234**	**108.42**	**.00469**
Stddev	.00024	.00077	.00625	.235	.00047	.000	.00073	.00011	.21	.00017
%RSD	31.521	12.415	2.0364	.51693	2.5342	.00310	.81663	4.8380	.19290	3.5601
#1	.00094	.00672	.30256	45.384	.01816	13.267	.09036	.00242	108.27	.00457
#2	.00060	.00564	.31140	45.717	.01882	13.267	.08932	.00226	108.57	.00480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96134**	**-.00043**	**22.780**	**.00189**	W **-.00582**	**4.5634**	**9.7657**	**.00021**	**.28827**	**-.00085**
Stddev	.00206	.00113	.016	.00229	.00110	.0179	.0383	.00019	.00164	.00046
%RSD	.21441	260.81	.07183	121.12	18.886	.39176	.39176	89.579	.56884	53.953
#1	.95988	-.00124	22.768	.00027	-.00659	4.5508	9.7386	.00008	.28711	-.00117
#2	.96280	.00037	22.791	.00352	-.00504	4.5761	9.7927	.00034	.28942	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00124**	**-.00630**	**.00094**	**.03266**	**.00081**
Stddev	.00013	.00097	.01603	.00034	.00008	.00036
%RSD	130.31	77.650	254.52	36.213	.24777	44.029
#1	-.00020	.00193	.00504	.00070	.03260	.00107
#2	-.00001	.00056	-.01763	.00118	.03272	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6975.5**	**90059.**	**8520.0**
Stddev	16.3	146.	9.1
%RSD	.23381	.16177	.10697
#1	6987.0	90162.	8526.4
#2	6963.9	89956.	8513.5

Sample Name: 280-46995-a-1-a Acquired: 9/26/2013 2:09:36 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192932 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**12.838**	**.00215**	W **36.383**	**.00675**	**-.00003**	**-.00208**	**1.9358**	**-.00018**	**-.00053**
Stddev	.00156	.064	.00334	.015	.00006	.00007	.00072	.0035	.00012	.00027
%RSD	196.16	.50076	155.21	.04065	.89324	235.20	34.366	.18269	67.775	50.377
#1	.00031	12.793	.00451	36.393	.00679	.00002	-.00158	1.9333	-.00027	-.00034
#2	-.00190	12.884	-.00021	36.372	.00670	-.00008	-.00259	1.9383	-.00010	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02937**	**.21051**	**.91108**	**17.825**	**.04148**	**.13096**	**.00195**	**.03560**	W **2587.4**	**.00832**
Stddev	.00018	.00014	.00183	.128	.00337	.00217	.00011	.00002	5.4	.00011
%RSD	.62965	.06757	.20105	.71570	8.1137	1.6562	5.4582	.04959	.21005	1.3748
#1	.02950	.21041	.91238	17.735	.04386	.13250	.00187	.03561	2583.5	.00840
#2	.02924	.21062	.90979	17.915	.03910	.12943	.00202	.03559	2591.2	.00824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9510**	**-.00051**	F **1065.7**	**.01557**	**-.00181**	**.65069**	**1.3925**	**.00320**	**.01504**	**-.00572**
Stddev	.0184	.00064	.4	.00048	.00358	.11972	.2562	.00076	.00009	.00186
%RSD	.62319	125.39	.03797	3.0626	198.45	18.398	18.398	23.845	.61940	32.585
#1	2.9640	-.00096	1065.9	.01590	.00073	.56603	1.2113	.00266	.01510	-.00704
#2	2.9380	-.00006	1065.4	.01523	-.00434	.73534	1.5736	.00374	.01497	-.00440
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00099**	**.20457**	**.00319**	**.01686**	**.00244**
Stddev	.00044	.00025	.00954	.00018	.00005	.00100
%RSD	233.30	25.511	4.6644	5.7346	.28032	40.739
#1	.00012	-.00081	.19782	.00332	.01683	.00315
#2	-.00050	-.00117	.21131	.00306	.01690	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6211.2**	**77696.**	**8221.5**
Stddev	20.7	199.	32.4
%RSD	.33333	.25675	.39379
#1	6225.8	77555.	8244.4
#2	6196.6	77837.	8198.6

Sample Name: CCVH-2271055 Acquired: 9/26/2013 2:12:37 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00337**	**49.057**	**.00225**	**.06181**	**.00027**	**-.00002**	**.97334**	**.00504**	**.00014**	**-.00026**	**-.00061**	**-.00659**
Stddev	.00008	.161	.00108	.00654	.00031	.00003	.00294	.00114	.00009	.00002	.00003	.00044
%RSD	2.4617	.32856	47.902	10.581	114.41	149.07	.30168	22.605	68.871	6.0577	4.1703	6.6881
#1	-.00342	49.171	.00301	.06644	.00005	-.00004	.97126	.00424	.00020	-.00025	-.00063	-.00628
#2	-.00331	48.943	.00149	.05719	.00049	.00000	.97541	.00585	.00007	-.00027	-.00060	-.00690
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.625**	**.27766**	**.00083**	**-.07938**	**-.00050**	**-.00032**	**253.70**	**.00011**	**.00886**	**.00112**	**4.7798**	**-.00005**
Stddev	.592	.00701	.00213	.00011	.00010	.00022	.48	.00003	.00124	.00101	.0208	.00055
%RSD	1.2175	2.5234	256.47	.13323	19.327	68.315	.18915	27.626	13.977	89.637	.43459	1206.6
#1	48.207	.28261	.00234	-.07945	-.00057	-.00016	254.04	.00009	.00798	.00183	4.7651	-.00043
#2	49.044	.27270	-.00068	-.07930	-.00043	-.00047	253.36	.00013	.00974	.00041	4.7945	.00034
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00710**	**.00684**	**.01463**	**.00217**	**.00030**	W **4.6591**	**.00688**	**.00265**	**9.8596**	**.00010**	**-.00015**	**-.02955**
Stddev	.00276	.01402	.03001	.00111	.00009	.0055	.00023	.00033	.0076	.00002	.00019	.00034
%RSD	38.923	205.18	205.18	51.373	29.902	.11765	3.3282	12.353	.07691	17.010	130.94	1.1517
#1	-.00515	.01675	.03585	.00295	.00036	4.6552	.00704	.00289	9.8542	.00009	-.00028	-.02979
#2	-.00906	-.00308	-.00659	.00138	.00024	4.6629	.00672	.00242	9.8649	.00011	-.00001	-.02931
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7082.4**	**91348.**	**8586.4**
Stddev	10.8	291.	59.7
%RSD	.15191	.31836	.69487
#1	7074.8	91143.	8628.6
#2	7090.0	91554.	8544.2

Sample Name: CCV-2271054 Acquired: 9/26/2013 2:14:57 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50161**	**.50892**	**1.0116**	**.54239**	**.49709**	**.48582**	**.00585**	**4.9530**	**.50572**	**.50353**	**.50699**	**.50253**	**2.4452**
Stddev	.00092	.00119	.0021	.00056	.00042	.00007	.00150	.0118	.00104	.00176	.00129	.00074	.0115
%RSD	.18349	.23408	.20288	.10284	.08476	.01427	25.694	.23905	.20550	.34885	.25386	.14796	.46975
#1	.50096	.50976	1.0101	.54278	.49680	.48586	.00478	4.9446	.50645	.50478	.50790	.50200	2.4534
#2	.50226	.50807	1.0130	.54200	.49739	.48577	.00691	4.9613	.50498	.50229	.50608	.50305	2.4371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.946**	**.99406**	**19.570**	**.49730**	**.49836**	**5.2487**	**.50992**	**.98983**	**1.0329**	**.04355**	**.96765**	**1.0076**	**4.9175**
Stddev	.149	.00142	.036	.00139	.00076	.0496	.00143	.00230	.0020	.00756	.00374	.0001	.0066
%RSD	.29217	.14330	.18500	.28007	.15349	.94448	.27964	.23226	.19371	17.357	.38634	.00647	.13409
#1	50.840	.99305	19.545	.49631	.49890	5.2837	.50892	.99145	1.0343	.04890	.97030	1.0077	4.9128
#2	51.051	.99506	19.596	.49828	.49782	5.2136	.51093	.98820	1.0314	.03821	.96501	1.0076	4.9222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.523**	**.99680**	**.49415**	**-.00251**	**.49331**	**1.0120**	**.00798**	**.50133**	**.49624**	**.49309**
Stddev	.014	.00641	.00038	.00081	.00030	.0032	.00293	.00166	.00128	.00376
%RSD	.13409	.64319	.07609	32.122	.06017	.31365	36.741	.33045	.25773	.76315
#1	10.513	1.0013	.49388	-.00194	.49310	1.0142	.01005	.50016	.49534	.49043
#2	10.533	.99227	.49441	-.00308	.49352	1.0097	.00591	.50251	.49715	.49575
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7136.7**	**92438.**	**8546.0**
Stddev	30.6	608.	7.6
%RSD	.42929	.65771	.08896
#1	7115.0	92868.	8551.4
#2	7158.4	92008.	8540.7

Sample Name: CCB Acquired: 9/26/2013 2:17:05 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00124**	**.00177**	F **.02689**	**.00029**	**.00020**	**.00001**	**.00565**	**-.00015**	**.00015**	**.00011**	**-.00008**
Stddev	.00012	.00001	.00047	.00117	.00003	.00008	.00012	.00173	.00005	.00025	.00005	.00044
%RSD	325.01	.43861	26.389	4.3552	11.555	43.068	844.30	30.697	33.695	162.01	45.664	536.20
#1	-.00013	.00125	.00144	.02772	.00027	.00026	.00010	.00687	-.00011	.00033	.00014	-.00040
#2	.00005	.00124	.00210	.02606	.00032	.00014	-.00007	.00442	-.00018	-.00002	.00007	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00626**	**.14582**	**.00251**	**.00148**	**.00012**	**.00054**	W **.15982**	**.00013**	**.00118**	**-.00056**	**.04145**	F **.01914**
Stddev	.00110	.02384	.00135	.00094	.00002	.00023	.06352	.00082	.00070	.00084	.00171	.00200
%RSD	17.556	16.347	53.674	63.445	18.011	42.089	39.743	622.82	59.706	149.83	4.1195	10.450
#1	.00548	.12896	.00347	.00082	.00010	.00038	.20474	.00071	.00068	.00003	.04025	.01772
#2	.00704	.16268	.00156	.00214	.00014	.00070	.11491	-.00045	.00168	-.00115	.04266	.02055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00375**	**.01003**	**.02146**	**.00104**	**.00013**	**.00052**	**-.00014**	**.00049**	**-.03219**	**-.00026**	**.00124**	**-.00098**
Stddev	.00182	.00942	.02017	.00087	.00001	.00057	.00007	.00015	.00413	.00024	.00029	.00128
%RSD	48.621	93.958	93.958	83.714	11.140	110.33	48.133	31.657	12.836	95.836	23.599	130.94
#1	-.00504	.01669	.03572	.00042	.00012	.00093	-.00009	.00060	-.02927	-.00008	.00103	-.00007
#2	-.00246	.00337	.00720	.00166	.00014	.00011	-.00019	.00038	-.03511	-.00043	.00145	-.00189
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7173.7**	**93698.**	**8461.5**
Stddev	14.7	594.	49.1
%RSD	.20477	.63413	.58074
#1	7163.4	93278.	8426.8
#2	7184.1	94118.	8496.3

Sample Name: CCVL2271034 Acquired: 9/26/2013 2:19:23 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.11187**	**.01488**	**.11869**	**.01042**	**.00103**	**.11487**	**.22536**	**.00501**	**.01076**	**.01060**	**.01542**	**.11267**
Stddev	.00023	.00008	.00007	.00062	.00007	.00003	.00086	.00279	.00005	.00037	.00007	.00018	.00196
%RSD	2.1716	.07009	.49178	.52346	.64526	3.2336	.74900	1.2381	.98785	3.4741	.70353	1.1606	1.7413
#1	.01064	.11192	.01493	.11913	.01038	.00100	.11426	.22339	.00498	.01103	.01055	.01529	.11128
#2	.01097	.11181	.01482	.11825	.01047	.00105	.11548	.22734	.00505	.01050	.01066	.01554	.11406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2316**	**.01271**	**.21243**	**.01038**	**.01970**	**1.1464**	**.04271**	**2.8919**	**.00940**	**.03612**	**.01165**	F **.00967**	**.48831**
Stddev	.0022	.00561	.00062	.00009	.00004	.0003	.00015	.0186	.00127	.00153	.00068	.00177	.00294
%RSD	.06928	44.178	.29144	.89062	.19888	.02430	.34791	.64152	13.543	4.2297	5.8603	18.315	.60168
#1	3.2332	.00874	.21199	.01045	.01973	1.1466	.04281	2.9050	.01030	.03504	.01117	.01093	.48623
#2	3.2300	.01668	.21287	.01032	.01968	1.1462	.04260	2.8787	.00850	.03720	.01213	.00842	.49039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0450**	**.10251**	**.01017**	**.01579**	**.00967**	**.01762**	F **.03700**	**.00995**	**.02176**	**.01393**
Stddev	.0063	.00065	.00001	.00053	.00017	.00069	.02738	.00026	.00019	.00053
%RSD	.60168	.63435	.05108	3.3405	1.8026	3.8971	74.002	2.6046	.87937	3.8092
#1	1.0405	.10297	.01018	.01616	.00954	.01811	.05636	.01014	.02162	.01355
#2	1.0494	.10205	.01017	.01542	.00979	.01714	.01764	.00977	.02189	.01430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7291.3**	**95373.**	**8631.7**
Stddev	5.6	190.	55.1
%RSD	.07703	.19926	.63789
#1	7295.3	95507.	8670.6
#2	7287.3	95239.	8592.8

Sample Name: mb 280-192938/1-a Acquired: 9/26/2013 2:21:41 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00272**	**.00330**	**.01749**	**.00020**	**.00000**	**.00137**	**.01317**	**-.00015**	**.00020**
Stddev	.00004	.00014	.00088	.00059	.00058	.0001	.00153	.00041	.00016	.00016
%RSD	37.263	5.2838	26.645	3.3954	284.91	1501.9	111.14	3.1440	103.53	82.249
#1	-.00012	.00282	.00268	.01791	-.00020	.00004	.00029	.01288	-.00004	.00032
#2	-.00007	.00262	.00392	.01707	.00061	-.00005	.00245	.01346	-.00027	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00032**	**.01555**	**.04026**	**.00199**	**.00306**	**.00015**	**.00008**	**.07131**	**-.00004**
Stddev	.00012	.00026	.00000	.04098	.00272	.00106	.00002	.00014	.01779	.00011
%RSD	45.530	82.152	.00102	101.77	136.66	34.552	11.371	174.60	24.949	250.15
#1	.00018	-.00013	.01555	.01129	.00391	.00381	.00017	-.00002	.05873	-.00012
#2	.00035	-.00050	.01555	.06924	.00007	.00231	.00014	.00018	.08389	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**-.00077**	**.03394**	**.00255**	**-.00506**	**.01927**	**.04124**	**.00096**	**-.00012**	**-.00107**
Stddev	.00043	.00013	.00111	.00148	.00517	.01112	.02380	.00037	.00002	.00230
%RSD	41.676	16.511	3.2631	57.928	102.19	57.712	57.712	38.363	12.155	215.31
#1	.00072	-.00086	.03473	.00151	-.00140	.02714	.05808	.00070	-.00013	.00056
#2	.00133	-.00068	.03316	.00359	-.00872	.01141	.02441	.00122	-.00011	-.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00134**	**.00421**	**.00007**	**.00251**	**.00024**
Stddev	.00025	.00033	.06415	.00061	.00038	.00168
%RSD	497.42	24.983	1523.4	867.68	15.028	694.36
#1	-.00022	.00157	-.04115	-.00036	.00278	-.00095
#2	.00012	.00110	.04957	.00050	.00225	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7242.9**	**95555.**	**8690.3**
Stddev	10.0	564.	40.1
%RSD	.13864	.59048	.46120
#1	7250.0	95954.	8718.6
#2	7235.8	95156.	8661.9

Sample Name: lcs 280-192938/2-a Acquired: 9/26/2013 2:23:59 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04796**	**1.9110**	**1.0293**	**1.0299**	**2.0017**	**.04902**	**2.0174**	**49.084**	**.10302**	**.48888**
Stddev	.00051	.0057	.0032	.0011	.0249	.00043	.0014	.513	.00001	.00003
%RSD	1.0714	.30087	.30677	.10584	1.2417	.87381	.06919	1.0444	.00688	.00534
#1	.04760	1.9070	1.0315	1.0292	1.9841	.04872	2.0184	48.722	.10303	.48886
#2	.04833	1.9151	1.0271	1.0307	2.0193	.04932	2.0164	49.447	.10302	.48890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20254**	**.24880**	**.98093**	**51.160**	**.99696**	**48.351**	**.49129**	**.99416**	**51.421**	**.49615**
Stddev	.00023	.00108	.01127	.573	.01230	.081	.00039	.00011	.914	.00032
%RSD	.11132	.43249	1.1486	1.1196	1.2341	.16827	.07898	.01091	1.7784	.06498
#1	.20238	.24956	.97296	50.755	.98826	48.408	.49157	.99424	50.774	.49638
#2	.20270	.24804	.98889	51.565	1.0057	48.293	.49102	.99408	52.067	.49592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9662**	**.50194**	**.01718**	**.49765**	**2.0149**	**9.9730**	**21.342**	**1.9632**	**.99357**	**.94585**
Stddev	.0029	.00021	.00570	.00533	.0268	.1197	.256	.0077	.01062	.00384
%RSD	.02925	.04191	33.187	1.0701	1.3323	1.2004	1.2004	.39150	1.0692	.40583
#1	9.9642	.50209	.01315	.50141	2.0338	9.8884	21.161	1.9687	.98606	.94857
#2	9.9683	.50179	.02121	.49388	1.9959	10.058	21.523	1.9578	1.0011	.94314
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99574**	**1.9494**	**2.0249**	**.50607**	**.48658**	**.49412**
Stddev	.00147	.0131	.0146	.00091	.00256	.00391
%RSD	.14745	.67396	.72118	.18050	.52555	.79100
#1	.99678	1.9587	2.0146	.50543	.48838	.49135
#2	.99471	1.9401	2.0352	.50672	.48477	.49688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6982.7**	**90550.**	**8525.4**
Stddev	16.2	355.	111.1
%RSD	.23167	.39156	1.3027
#1	6994.2	90300.	8603.9
#2	6971.3	90801.	8446.9

Sample Name: 280-46990-a-1-a Acquired: 9/26/2013 2:26:06 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.01753**	**-.00178**	**.02716**	**.07754**	**-.00009**	**-.00218**	**26.018**	**.00017**	**.00028**
Stddev	.00032	.00069	.00339	.00070	.00018	.00003	.00001	.121	.00005	.00029
%RSD	133.51	3.9279	190.98	2.5928	.23430	39.458	.55787	.46583	28.409	105.84
#1	.00001	.01705	-.00418	.02766	.07741	-.00006	-.00217	26.104	.00021	.00048
#2	.00047	.01802	.00062	.02667	.07767	-.00011	-.00219	25.932	.00014	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00072**	**.09984**	**.99753**	**.01444**	**8.6637**	**.05017**	**.00075**	**22.459**	**.00126**
Stddev	.00011	.00021	.00182	.00401	.00088	.0111	.00007	.00024	.163	.00003
%RSD	8.5410	29.237	1.8225	.40244	6.1238	.12777	.13873	31.385	.72405	2.3709
#1	.00141	.00057	.10113	.99469	.01382	8.6715	.05022	.00058	22.344	.00128
#2	.00125	.00087	.09855	1.0004	.01507	8.6559	.05012	.00092	22.574	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14319**	**.00146**	**4.2573**	**.00034**	**-.00126**	**17.025**	**36.434**	**.00090**	**.26403**	**-.00073**
Stddev	.00113	.00025	.0054	.00139	.00244	.077	.165	.00044	.00123	.00161
%RSD	.79207	17.064	.12756	407.40	193.46	.45251	.45251	49.151	.46637	219.16
#1	.14238	.00164	4.2611	-.00064	.00046	16.971	36.318	.00121	.26490	-.00187
#2	.14399	.00129	4.2535	.00133	-.00298	17.080	36.551	.00059	.26316	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00072**	**-.03059**	**.00137**	**.01755**	**.00143**
Stddev	.00056	.00164	.03216	.00058	.00018	.00118
%RSD	102.98	229.43	105.13	42.161	1.0070	82.381
#1	.00015	.00188	-.00785	.00178	.01743	.00227
#2	.00095	-.00045	-.05333	.00096	.01768	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7162.3**	**93048.**	**8509.4**
Stddev	2.4	136.	9.9
%RSD	.03342	.14590	.11687
#1	7164.0	93144.	8516.5
#2	7160.6	92952.	8502.4

Sample Name: 280-46990-a-2-a Acquired: 9/26/2013 2:28:26 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00940**	**-.00046**	**.02581**	**.13561**	**-.00001**	**-.00136**	**35.173**	**.00022**	**-.00026**
Stddev	.00067	.00013	.00055	.00036	.00050	.00004	.00074	.019	.00000	.00026
%RSD	169.85	1.4087	120.52	1.4005	.36989	310.91	54.405	.05526	.66052	100.47
#1	.00087	.00949	-.00085	.02607	.13596	-.00004	-.00188	35.186	.00021	-.00008
#2	-.00008	.00931	-.00007	.02556	.13525	.00001	-.00084	35.159	.00022	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00034**	**.02164**	**1.0594**	**.01376**	**11.335**	**.00095**	**.00021**	**26.944**	**.00060**
Stddev	.00009	.00053	.00248	.0260	.00059	.060	.00001	.00029	.289	.00029
%RSD	12.313	158.04	11.457	2.4506	4.3154	.52713	.65005	140.54	1.0720	48.167
#1	.00069	-.00004	.01989	1.0778	.01418	11.293	.00095	.00000	27.148	.00080
#2	.00082	.00071	.02339	1.0411	.01334	11.377	.00094	.00041	26.739	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12540**	**-.00174**	**6.9059**	**-.00140**	**-.00101**	**18.620**	**39.847**	**.00037**	**.35406**	**-.00021**
Stddev	.00218	.00012	.0179	.00343	.00521	.066	.141	.00007	.00012	.00186
%RSD	1.7408	6.8364	.25850	245.35	516.22	.35496	.35496	19.746	.03281	884.45
#1	.12695	-.00183	6.8933	.00103	-.00469	18.667	39.947	.00032	.35398	.00110
#2	.12386	-.00166	6.9186	-.00382	.00267	18.573	39.747	.00042	.35415	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00134**	**-.03964**	**.00131**	**.01428**	**-.00037**
Stddev	.00016	.00099	.02992	.00034	.00078	.00104
%RSD	181.95	74.039	75.473	26.178	5.4923	279.92
#1	.00002	.00205	-.06080	.00106	.01484	-.00111
#2	-.00020	.00064	-.01849	.00155	.01373	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7069.0**	**92329.**	**8549.9**
Stddev	12.0	482.	17.4
%RSD	.16984	.52172	.20305
#1	7077.5	92670.	8537.6
#2	7060.6	91989.	8562.2

Sample Name: 280-46990-a-2-aSD@5 Acquired: 9/26/2013 2:30:46 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.01687**	**.00159**	**.01480**	**.02817**	**-.00003**	**.00006**	**7.3236**	**.00012**	**-.00007**
Stddev	.00006	.00012	.00084	.00030	.00015	.00004	.00132	.0023	.00008	.00000
%RSD	47.515	.69710	52.973	1.9998	.53457	130.64	2323.7	.03102	64.797	4.0046
#1	.00017	.01695	.00219	.01459	.02806	.00000	.00099	7.3220	.00007	-.00007
#2	.00009	.01679	.00099	.01501	.02827	-.00006	-.00087	7.3252	.00018	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00050**	**.03181**	**.27237**	**.00594**	**2.3959**	**.00038**	**.00004**	**5.3688**	**-.00012**
Stddev	.00002	.00067	.00079	.01349	.00278	.0119	.00006	.00009	.0160	.00055
%RSD	8.2666	134.14	2.4770	4.9546	46.826	.49822	14.929	258.93	.29737	461.03
#1	.00025	-.00098	.03126	.28191	.00791	2.3875	.00042	.00010	5.3801	.00027
#2	.00029	-.00003	.03237	.26283	.00397	2.4044	.00034	-.00003	5.3575	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02482**	**-.00040**	**1.4417**	**-.00143**	W **-.00671**	**3.8090**	**8.1513**	**.00014**	**.07353**	**-.00047**
Stddev	.00170	.00023	.0019	.00001	.00559	.0154	.0329	.00052	.00018	.00040
%RSD	6.8523	56.742	.12851	.54364	83.326	.40377	.40377	358.59	.24273	86.608
#1	.02361	-.00024	1.4404	-.00142	-.01067	3.7981	8.1280	-.00022	.07340	-.00018
#2	.02602	-.00056	1.4430	-.00144	-.00276	3.8199	8.1746	.00051	.07366	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00161**	**.00222**	**.00028**	**.00724**	**.00142**
Stddev	.00011	.00147	.02748	.00054	.00065	.00127
%RSD	79.756	91.015	1239.5	187.84	8.9200	89.288
#1	.00006	.00057	-.01721	-.00009	.00679	.00052
#2	.00021	.00265	.02165	.00066	.00770	.00232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7234.1**	**94481.**	**8582.8**
Stddev	.8	59.	43.9
%RSD	.01120	.06279	.51176
#1	7233.5	94523.	8551.8
#2	7234.7	94439.	8613.9

Sample Name: 280-46990-a-2-b ms Acquired: 9/26/2013 2:33:07 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04773	1.8971	1.0317	1.0262	2.1317	.04912	F 1.9876	83.281	.10208	.48286
Stddev	.00019	.0048	.0100	.0035	.0045	.00005	.0114	.158	.00008	.00047
%RSD	.40187	.25534	.96715	.33927	.21006	.11135	.57185	.18915	.08035	.09834
#1	.04759	1.8936	1.0388	1.0286	2.1349	.04916	1.9956	83.392	.10214	.48319
#2	.04786	1.9005	1.0247	1.0237	2.1286	.04908	1.9795	83.169	.10202	.48252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20163	.25000	.98080	52.128	1.0047	58.841	.48727	.98760	77.426	.48970
Stddev	.00036	.00080	.00051	.035	.0030	.038	.00097	.00072	.186	.00010
%RSD	.17979	.32086	.05157	.06642	.29539	.06388	.19991	.07277	.24035	.01968
#1	.20189	.25057	.98116	52.153	1.0068	58.815	.48658	.98811	77.557	.48964
#2	.20137	.24944	.98044	52.104	1.0026	58.868	.48796	.98710	77.294	.48977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.015	.49351	6.9371	.48721	1.9879	28.048	60.022	1.9460	1.3421	.93894
Stddev	.030	.00250	.0465	.00108	.0014	.010	.022	.0028	.0027	.00070
%RSD	.29810	.50576	.67086	.22122	.07023	.03675	.03675	.14461	.20359	.07459
#1	10.036	.49174	6.9701	.48797	1.9889	28.040	60.006	1.9480	1.3441	.93943
#2	9.9939	.49527	6.9042	.48645	1.9869	28.055	60.037	1.9440	1.3402	.93844
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99103	1.8957	2.0285	.50367	.49470	.48860
Stddev	.00041	.0073	.0165	.00229	.00015	.00223
%RSD	.04097	.38728	.81364	.45528	.03020	.45717
#1	.99132	1.9009	2.0168	.50530	.49481	.48702
#2	.99075	1.8905	2.0401	.50205	.49460	.49018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6850.5	89957.	8543.5
Stddev	42.8	365.	46.5
%RSD	.62460	.40541	.54414
#1	6880.7	89699.	8576.4
#2	6820.2	90215.	8510.7

Sample Name: 280-46990-a-2-c msd Acquired: 9/26/2013 2:35:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04716**	**1.8588**	**1.0009**	**1.0070**	**2.0956**	**.04803**	F **1.9500**	**82.515**	**.09976**	**.47103**
Stddev	.00063	.0019	.0015	.0010	.0016	.00030	.0023	.222	.00014	.00030
%RSD	1.3421	.10397	.15271	.09776	.07770	.61832	.11597	.26912	.14470	.06414
#1	.04672	1.8574	1.0020	1.0077	2.0967	.04824	1.9516	82.672	.09987	.47082
#2	.04761	1.8602	.99983	1.0063	2.0944	.04782	1.9484	82.358	.09966	.47124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19670**	**.24333**	**.95665**	**51.155**	**.98191**	**58.258**	**.47843**	**.97392**	**76.416**	**.47659**
Stddev	.00035	.00039	.00576	.077	.00141	.084	.00025	.00080	.328	.00112
%RSD	.18043	.16163	.60204	.15056	.14345	.14393	.05131	.08202	.42969	.23485
#1	.19695	.24305	.96072	51.209	.98290	58.198	.47826	.97449	76.184	.47738
#2	.19645	.24360	.95257	51.100	.98091	58.317	.47861	.97336	76.649	.47580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8305**	**.48019**	**6.9504**	**.47948**	**1.9423**	**28.014**	**59.949**	**1.9114**	**1.3238**	**.92213**
Stddev	.0044	.00223	.0155	.00263	.0035	.161	.344	.0021	.0023	.00326
%RSD	.04455	.46478	.22330	.54901	.18230	.57403	.57403	.10762	.17533	.35345
#1	9.8274	.48177	6.9394	.48134	1.9448	28.127	60.192	1.9129	1.3255	.91982
#2	9.8336	.47861	6.9613	.47762	1.9398	27.900	59.706	1.9100	1.3222	.92443
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97919**	**1.8562**	**1.9560**	**.49397**	**.48620**	**.48285**
Stddev	.00241	.0043	.0128	.00107	.00013	.00001
%RSD	.24639	.23055	.65334	.21653	.02776	.00192
#1	.97749	1.8592	1.9469	.49322	.48610	.48284
#2	.98090	1.8532	1.9650	.49473	.48629	.48286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6893.9**	**88490.**	**8345.7**
Stddev	7.6	198.	12.2
%RSD	.11026	.22402	.14593
#1	6888.6	88350.	8354.3
#2	6899.3	88630.	8337.0

Sample Name: 280-46990-a-2-aPDS Acquired: 9/26/2013 2:37:20 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04777**	**.96841**	**.19883**	**.11985**	**.23030**	**.04773**	**-.00158**	**53.522**	**.04964**	**.04750**
Stddev	.00106	.00271	.00050	.00005	.00061	.00003	.00147	.001	.00011	.00004
%RSD	2.2203	.28027	.25041	.04128	.26362	.06391	92.838	.00167	.22803	.08560
#1	.04702	.96650	.19847	.11982	.23073	.04771	-.00054	53.522	.04956	.04747
#2	.04852	.97033	.19918	.11989	.22987	.04775	-.00262	53.523	.04972	.04753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05000**	**.04932**	**1.0010**	**20.981**	**.11179**	**29.836**	**.04936**	**.04835**	**45.686**	**.04890**
Stddev	.00014	.00018	.0036	.037	.00080	.034	.00020	.00017	.312	.00046
%RSD	.28415	.36872	.35881	.17623	.71547	.11340	.40762	.34936	.68326	.94565
#1	.04990	.04919	1.0036	21.007	.11122	29.812	.04951	.04847	45.907	.04857
#2	.05010	.04945	.99849	20.955	.11235	29.860	.04922	.04823	45.465	.04923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0534**	**.09570**	**6.8397**	**.09634**	**.19305**	**22.912**	**49.032**	**.09563**	**.39463**	**.18498**
Stddev	.0012	.00095	.0196	.00160	.00431	.030	.065	.00006	.00066	.00039
%RSD	.06051	.98976	.28599	1.6566	2.2335	.13283	.13283	.06554	.16648	.21218
#1	2.0525	.09637	6.8259	.09746	.19001	22.890	48.986	.09558	.39509	.18471
#2	2.0543	.09503	6.8535	.09521	.19610	22.933	49.078	.09567	.39416	.18526
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04904**	**.19131**	**.48986**	**.04958**	**.20944**	**.04729**
Stddev	.00023	.00199	.00796	.00066	.00093	.00241
%RSD	.46950	1.0428	1.6259	1.3300	.44628	5.0925
#1	.04888	.18990	.49549	.05004	.20878	.04559
#2	.04920	.19272	.48423	.04911	.21010	.04899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.6**	**90335.**	**8443.7**
Stddev	15.2	144.	53.5
%RSD	.21621	.15930	.63312
#1	7021.3	90234.	8481.5
#2	6999.9	90437.	8405.9

Sample Name: 280-46990-a-3-a Acquired: 9/26/2013 2:39:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.69527**	**.00379**	**.02594**	**.12988**	**.00002**	**-.00246**	**35.765**	**-.00012**	**.00044**
Stddev	.00010	.00839	.00202	.00063	.00046	.00002	.00120	.070	.00008	.00017
%RSD	246.23	1.2074	53.346	2.4373	.35123	101.14	48.778	.19480	66.501	38.647
#1	-.00003	.68933	.00522	.02638	.12955	.00003	-.00331	35.716	-.00007	.00032
#2	.00011	.70120	.00236	.02549	.13020	.00000	-.00161	35.814	-.00018	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00054**	**.91610**	**1.1810**	**.01267**	**11.933**	**.01434**	**.00022**	**21.749**	**.00143**
Stddev	.00008	.00011	.00097	.0811	.00125	.060	.00007	.00010	.139	.00011
%RSD	6.3205	20.770	.10638	6.8656	9.8812	.50373	.50381	45.638	.63822	7.8904
#1	.00122	.00062	.91679	1.2384	.01179	11.975	.01439	.00015	21.848	.00151
#2	.00134	.00046	.91541	1.1237	.01356	11.890	.01429	.00030	21.651	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13798**	**-.00031**	**3.7922**	**-.00043**	**-.00169**	**18.371**	**39.314**	**.00038**	**.36591**	**.00048**
Stddev	.00117	.00066	.0145	.00381	.00192	.023	.050	.00039	.00127	.00009
%RSD	.84554	211.39	.38343	882.03	113.72	.12769	.12769	102.44	.34644	18.597
#1	.13716	.00015	3.7819	.00226	-.00304	18.354	39.279	.00065	.36501	.00055
#2	.13881	-.00077	3.8025	-.00313	-.00033	18.388	39.350	.00010	.36680	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01513**	**.00004**	**.00063**	**.00302**	**.01778**	**.00079**
Stddev	.00043	.00034	.03671	.00044	.00049	.00132
%RSD	2.8200	881.88	5867.9	14.493	2.7447	166.50
#1	.01482	.00028	.02658	.00271	.01813	.00173
#2	.01543	-.00020	-.02533	.00333	.01744	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7059.4**	**92239.**	**8478.2**
Stddev	21.2	160.	85.1
%RSD	.30047	.17379	1.0037
#1	7044.4	92125.	8538.4
#2	7074.4	92352.	8418.1

Sample Name: CCVH-2271055 Acquired: 9/26/2013 2:41:54 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00439**	**49.219**	**-.00174**	**.00947**	**.00039**	**-.00006**	**.97752**	**.01368**	**.00032**	**-.00052**	**-.00069**	**-.00601**
Stddev	.00016	.276	.00051	.00089	.00010	.00000	.00784	.00061	.00007	.00003	.00005	.00058
%RSD	3.6677	.56130	29.516	9.3959	25.010	.41321	.80254	4.4285	20.413	5.5833	6.5302	9.6963
#1	-.00428	49.024	-.00210	.00884	.00032	-.00006	.97197	.01411	.00027	-.00054	-.00066	-.00560
#2	-.00451	49.414	-.00138	.01010	.00046	-.00006	.98306	.01326	.00037	-.00050	-.00072	-.00643
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.140**	**.07577**	**.00507**	**-.07947**	**-.00050**	**-.00046**	**255.89**	**-.00023**	**.00501**	**.00058**	**4.7882**	**-.00158**
Stddev	.410	.03180	.00137	.00126	.00000	.00003	1.34	.00018	.00104	.00026	.0014	.00426
%RSD	.85133	41.967	26.919	1.5878	.88048	7.0201	.52522	77.319	20.821	44.288	.02909	268.85
#1	47.850	.05328	.00604	-.08036	-.00049	-.00048	254.94	-.00011	.00428	.00076	4.7872	-.00459
#2	48.429	.09825	.00411	-.07858	-.00050	-.00044	256.84	-.00036	.00575	.00040	4.7892	.00143
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00779**	**.00725**	**.01552**	**.00216**	**.00038**	W **4.6907**	**.00622**	**.00351**	**9.8122**	**.00059**	**.00013**	**-.03098**
Stddev	.00341	.00432	.00925	.00026	.00005	.0054	.00000	.00016	.0220	.00024	.00044	.00139
%RSD	43.842	59.608	59.608	12.152	12.017	.11570	.00477	4.5706	.22389	40.861	336.93	4.5017
#1	-.00537	.00420	.00898	.00197	.00042	4.6945	.00622	.00363	9.8277	.00076	.00044	-.03000
#2	-.01020	.01031	.02206	.00234	.00035	4.6868	.00622	.00340	9.7966	.00042	-.00018	-.03197
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6957.1**	**89084.**	**8398.3**
Stddev	.2	175.	109.4
%RSD	.00265	.19655	1.3027
#1	6957.2	89208.	8475.6
#2	6956.9	88961.	8320.9

Sample Name: CCV-2271054 Acquired: 9/26/2013 2:44:14 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50477**	**.50760**	**1.0162**	**.51523**	**.49555**	**.48639**	**.00332**	**4.9656**	**.50649**	**.50325**	**.50694**	**.50358**	**2.4502**
Stddev	.00243	.00119	.0002	.00149	.00065	.00100	.00200	.0082	.00031	.00000	.00022	.00211	.0039
%RSD	.48141	.23534	.01813	.28860	.13067	.20529	60.361	.16539	.06055	.00080	.04370	.41820	.15872
#1	.50649	.50844	1.0163	.51628	.49510	.48569	.00473	4.9598	.50671	.50325	.50678	.50507	2.4474
#2	.50305	.50676	1.0160	.51418	.49601	.48710	.00190	4.9714	.50627	.50325	.50710	.50209	2.4529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.015**	**.99186**	**19.522**	**.49633**	**.49522**	**5.1997**	**.51061**	**.98149**	**1.0264**	**.00672**	**.96696**	**1.0023**	**4.9335**
Stddev	.087	.00093	.060	.00116	.00195	.0292	.00127	.00645	.0051	.00399	.01032	.0043	.0427
%RSD	.16959	.09391	.30628	.23280	.39385	.56153	.24910	.65687	.49533	59.318	1.0677	.42823	.86635
#1	51.076	.99120	19.564	.49714	.49660	5.2203	.51151	.98605	1.0300	.00390	.97426	.99926	4.9033
#2	50.953	.99252	19.480	.49551	.49384	5.1790	.50971	.97693	1.0228	.00954	.95966	1.0053	4.9638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.558**	**.98750**	**.49338**	**-.00263**	**.49199**	**1.0106**	**-.00931**	**.50002**	**.49181**	**.49106**
Stddev	.091	.00378	.00064	.00037	.00041	.0012	.03285	.00017	.00004	.00376
%RSD	.86635	.38299	.12903	14.076	.08285	.11590	352.81	.03490	.00713	.76520
#1	10.493	.99018	.49293	-.00237	.49171	1.0114	-.03254	.50014	.49178	.48840
#2	10.622	.98483	.49383	-.00289	.49228	1.0097	.01392	.49989	.49183	.49372
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7102.7**	**92022.**	**8469.0**
Stddev	9.4	136.	8.0
%RSD	.13204	.14813	.09453
#1	7096.1	92118.	8463.3
#2	7109.3	91925.	8474.7

Sample Name: CCB Acquired: 9/26/2013 2:46:24 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00115**	**.00059**	W **.00685**	**.00033**	**.00013**	**-.00107**	**.00638**	**-.00021**	**.00036**	**.00005**
Stddev	.00011	.00046	.00079	.00017	.00044	.00003	.00336	.00007	.00017	.00009	.00017
%RSD	48.994	39.575	134.50	2.4634	132.87	20.825	314.48	1.1382	81.148	25.193	319.73
#1	.00014	.00148	.00003	.00697	.00002	.00015	.00131	.00633	-.00009	.00043	-.00007
#2	.00030	.00083	.00115	.00673	.00064	.00011	-.00344	.00643	-.00032	.00030	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00243**	**.09788**	**.00014**	**.00302**	**.00005**	**.00084**	**.03398**	**.00005**	**-.00108**	**-.00055**
Stddev	.00006	.00243	.05777	.00039	.00115	.00001	.00023	.00121	.00003	.00134	.00140
%RSD	258.97	99.851	59.023	288.31	37.891	12.563	27.350	3.5748	67.092	123.60	254.89
#1	-.00007	.00415	.05703	.00042	.00384	.00005	.00068	.03312	.00007	-.00014	-.00154
#2	.00002	.00072	.13873	-.00014	.00221	.00004	.00100	.03484	.00002	-.00203	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	F **.01606**	W **-.00662**	**-.00807**	**-.01728**	**.00084**	**.00001**	**-.00076**	**-.00009**	**.00060**	**-.02024**
Stddev	.00117	.00440	.00072	.00750	.01605	.00029	.00002	.00069	.00004	.00055	.01876
%RSD	11.452	27.368	10.947	92.909	92.909	34.977	304.74	90.697	50.106	92.961	92.666
#1	.00940	.01295	-.00611	-.00277	-.00593	.00063	-.00001	-.00027	-.00006	.00020	-.03350
#2	.01105	.01917	-.00713	-.01338	-.02862	.00104	.00002	-.00124	-.00012	.00099	-.00698
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00043**	W **.00701**	**.00044**
Stddev	.00022	.00007	.00241
%RSD	51.115	1.0298	542.32
#1	.00027	.00706	-.00126
#2	.00058	.00695	.00215
Check ?	Chk Pass	Chk Warn	Chk Pass
High Limit		.00453	
Low Limit		-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7047.7**	**92371.**	**8298.8**
Stddev	35.1	481.	39.7
%RSD	.49855	.52052	.47856
#1	7022.9	92711.	8326.9
#2	7072.6	92031.	8270.7

Sample Name: CCVL2271034 Acquired: 9/26/2013 2:48:43 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01056**	**.10399**	**.01574**	**.10274**	**.01004**	**.00095**	**.10698**	**.20300**	**.00492**	**.01045**	**.01049**	**.01515**	**.10105**
Stddev	.00021	.00016	.00079	.00007	.00056	.00003	.00131	.00341	.00004	.00028	.00000	.00023	.00367
%RSD	2.0070	.15858	4.9897	.06690	5.6186	2.9146	1.2218	1.6789	.73101	2.7022	.03647	1.4937	3.6343
#1	.01070	.10411	.01518	.10269	.00964	.00097	.10791	.20059	.00494	.01065	.01050	.01531	.09846
#2	.01041	.10387	.01629	.10279	.01044	.00093	.10606	.20541	.00489	.01025	.01049	.01499	.10365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0950**	**.00956**	**.19824**	**.01003**	**.01943**	**1.0677**	**.04145**	**2.8023**	**.00796**	**.01149**	**.01015**	F **.00884**	**.48279**
Stddev	.0788	.00252	.00116	.00008	.00031	.0127	.00058	.0036	.00052	.00161	.00061	.00459	.00629
%RSD	2.5472	26.318	.58715	.74829	1.5932	1.1857	1.4113	.12792	6.5542	13.971	6.0511	51.862	1.3036
#1	3.0393	.01134	.19742	.00998	.01921	1.0587	.04104	2.7998	.00833	.01262	.01058	.00560	.47834
#2	3.1508	.00778	.19906	.01008	.01965	1.0766	.04186	2.8048	.00759	.01035	.00971	.01208	.48724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0332**	**.10022**	**.00978**	**.01226**	**.00960**	**.01617**	F **.03905**	**.00964**	**.02062**	**.01448**
Stddev	.0135	.00070	.00001	.00002	.00002	.00190	.01870	.00032	.00009	.00184
%RSD	1.3036	.69733	.08602	.15892	.19727	11.767	47.900	3.3266	.45508	12.739
#1	1.0236	.09973	.00977	.01224	.00961	.01483	.05227	.00987	.02055	.01318
#2	1.0427	.10072	.00978	.01227	.00958	.01752	.02582	.00941	.02069	.01579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7047.0**	**93551.**	**8423.6**
Stddev	17.1	47.	27.5
%RSD	.24304	.04978	.32614
#1	7059.1	93518.	8443.0
#2	7034.9	93584.	8404.1

Sample Name: 280-46990-a-4-a Acquired: 9/26/2013 2:51:03 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.63487**	**.00088**	**.01970**	**.08600**	**-.00001**	**-.00140**	**24.806**	**.00009**	**.00020**
Stddev	.00060	.00204	.00435	.00048	.00019	.00001	.00154	.041	.00007	.00007
%RSD	485.91	.32202	493.18	2.4570	.22092	70.111	109.84	.16354	76.073	36.950
#1	.00030	.63631	.00396	.02004	.08586	-.00002	-.00249	24.777	.00004	.00014
#2	-.00054	.63342	-.00220	.01936	.08613	-.00001	-.00031	24.835	.00014	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.00118**	**.51526**	**.95387**	**.01520**	**8.1919**	**.01009**	**.00046**	**21.844**	**.00249**
Stddev	.00007	.00095	.00144	.07645	.00128	.0087	.00003	.00009	.027	.00005
%RSD	5.8525	80.007	.27856	8.0144	8.4121	.10643	.27101	18.777	.12557	2.0141
#1	.00118	.00185	.51424	.89981	.01429	8.1981	.01011	.00040	21.825	.00246
#2	.00128	.00051	.51627	1.0079	.01610	8.1858	.01008	.00052	21.864	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11846**	**-.00108**	**4.6280**	**.00118**	**-.00203**	**18.901**	**40.448**	**.00026**	**.24818**	**-.00039**
Stddev	.00030	.00083	.0244	.00058	.00240	.178	.381	.00045	.00028	.00180
%RSD	.25489	76.702	.52609	49.738	118.23	.94133	.94133	173.24	.11340	460.54
#1	.11824	-.00167	4.6453	.00159	-.00373	18.775	40.179	-.00006	.24838	-.00166
#2	.11867	-.00049	4.6108	.00076	-.00033	19.027	40.717	.00058	.24798	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01239**	**.00085**	**.00829**	**.00217**	**.02156**	**-.00072**
Stddev	.00098	.00001	.00178	.00018	.00032	.00132
%RSD	7.9256	1.0260	21.524	8.4554	1.5054	184.51
#1	.01308	.00085	.00955	.00204	.02133	-.00165
#2	.01170	.00084	.00702	.00230	.02179	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7077.4**	**92423.**	**8472.2**
Stddev	46.8	179.	47.7
%RSD	.66063	.19385	.56347
#1	7044.3	92296.	8506.0
#2	7110.4	92550.	8438.4

Sample Name: 280-46990-a-4-b ms Acquired: 9/26/2013 2:53:23 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04871**	**3.5109**	**1.0398**	**1.0282**	**2.1085**	**.04955**	F **2.0054**	**75.720**	**.10369**	**.48849**
Stddev	.00050	.0105	.0002	.0003	.0030	.00003	.0024	.190	.00001	.00002
%RSD	1.0301	.29806	.02098	.02387	.14331	.05563	.12079	.25032	.01407	.00436
#1	.04907	3.5035	1.0397	1.0280	2.1064	.04953	2.0037	75.586	.10371	.48847
#2	.04836	3.5183	1.0400	1.0283	2.1106	.04957	2.0071	75.854	.10368	.48850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20545**	**.25244**	**1.6753**	**52.695**	**1.0177**	**56.698**	**.50186**	**.98866**	**74.989**	**.49703**
Stddev	.00022	.00021	.0018	.196	.0042	.120	.00092	.00246	.076	.00121
%RSD	.10595	.08297	.10509	.37117	.41248	.21088	.18398	.24903	.10074	.24350
#1	.20529	.25259	1.6765	52.557	1.0148	56.613	.50121	.98692	74.935	.49789
#2	.20560	.25229	1.6741	52.834	1.0207	56.782	.50252	.99040	75.042	.49618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.034**	**.49860**	**4.9194**	**.48904**	**2.0058**	**31.366**	**67.122**	**1.9395**	**1.2647**	**.94957**
Stddev	.013	.00055	.0019	.00137	.0054	.058	.123	.0009	.0020	.00045
%RSD	.13147	.10982	.03960	.28015	.26776	.18383	.18383	.04416	.15475	.04715
#1	10.025	.49821	4.9181	.49001	2.0020	31.325	67.035	1.9401	1.2633	.94926
#2	10.043	.49899	4.9208	.48807	2.0096	31.406	67.210	1.9389	1.2661	.94989
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0112**	**1.9176**	**2.0531**	**.51089**	**.50562**	**.49829**
Stddev	.0006	.0039	.0148	.00001	.00237	.00647
%RSD	.05910	.20220	.72035	.00150	.46950	1.2978
#1	1.0116	1.9148	2.0426	.51089	.50394	.50286
#2	1.0108	1.9203	2.0636	.51088	.50730	.49371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6888.5**	**89877.**	**8487.3**
Stddev	8.1	503.	18.5
%RSD	.11737	.56006	.21814
#1	6894.2	90233.	8500.4
#2	6882.8	89521.	8474.2

Sample Name: 280-46990-a-4-c msd Acquired: 9/26/2013 2:55:30 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04523**	**3.2692**	**.97877**	**.97360**	**1.9795**	**.04658**	F **1.9000**	**70.649**	**.09783**	**.46003**
Stddev	.00033	.0076	.00207	.00104	.0034	.00009	.0035	.155	.00022	.00048
%RSD	.72934	.23160	.21166	.10684	.17108	.19818	.18518	.21899	.22141	.10346
#1	.04499	3.2745	.98024	.97433	1.9771	.04651	1.9025	70.540	.09798	.46036
#2	.04546	3.2638	.97731	.97286	1.9819	.04664	1.8975	70.759	.09767	.45969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19331**	**.23726**	**1.5550**	**49.593**	**.95848**	**53.645**	**.47515**	**.93149**	**69.893**	**.46920**
Stddev	.00009	.00072	.0024	.117	.00341	.163	.00125	.00056	.174	.00015
%RSD	.04483	.30434	.15321	.23541	.35579	.30325	.26412	.05987	.24910	.03292
#1	.19325	.23675	1.5533	49.511	.95607	53.530	.47426	.93189	69.770	.46909
#2	.19337	.23777	1.5567	49.676	.96089	53.760	.47604	.93110	70.016	.46931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.4777**	**.47080**	**4.5707**	**.46165**	**1.8918**	**29.147**	**62.374**	**1.8323**	**1.1836**	**.89366**
Stddev	.0069	.00199	.0043	.00273	.0011	.001	.002	.0042	.0014	.00480
%RSD	.07266	.42250	.09472	.59110	.05982	.00261	.00261	.22697	.12241	.53706
#1	9.4825	.47220	4.5738	.45972	1.8910	29.146	62.373	1.8353	1.1826	.89026
#2	9.4728	.46939	4.5677	.46357	1.8926	29.147	62.376	1.8294	1.1846	.89705
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95455**	**1.8176**	**1.9308**	**.48411**	**.47901**	**.46489**
Stddev	.00369	.0010	.0015	.00151	.00187	.00303
%RSD	.38610	.05264	.07593	.31171	.39119	.65109
#1	.95194	1.8183	1.9298	.48304	.47768	.46275
#2	.95715	1.8170	1.9319	.48517	.48033	.46703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6946.0**	**89433.**	**8484.1**
Stddev	6.3	10.	3.4
%RSD	.09067	.01113	.04057
#1	6941.5	89440.	8486.5
#2	6950.4	89426.	8481.7

Sample Name: 280-46990-a-5-a Acquired: 9/26/2013 2:57:36 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.03849**	**.00185**	**.01898**	**.08338**	**-.00001**	**-.00285**	**28.666**	**.00017**	**-.00007**
Stddev	.00001	.00017	.00009	.00064	.00078	.00001	.00224	.147	.00004	.00023
%RSD	4.0031	.43919	4.7021	3.3727	.93793	41.042	78.604	.51328	20.986	339.60
#1	-.00022	.03861	.00191	.01943	.08283	-.00001	-.00444	28.562	.00015	.00010
#2	-.00023	.03837	.00179	.01853	.08394	-.00002	-.00127	28.771	.00020	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00076**	**.05681**	**.99374**	**.01399**	**9.4922**	**.00135**	**.00084**	**22.954**	**.00079**
Stddev	.00000	.00010	.00011	.00385	.00174	.0510	.00000	.00039	.632	.00010
%RSD	.42688	13.053	.19518	.38745	12.446	.53758	.36556	46.782	2.7550	13.255
#1	.00087	.00069	.05673	.99647	.01522	9.4562	.00136	.00112	22.506	.00071
#2	.00088	.00083	.05688	.99102	.01276	9.5283	.00135	.00056	23.401	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13095**	**-.00113**	**4.4392**	**-.00039**	**-.00091**	**16.481**	**35.269**	**.00060**	**.29582**	**-.00114**
Stddev	.00028	.00031	.0166	.00033	.00334	.148	.316	.00059	.00209	.00078
%RSD	.21434	27.828	.37335	85.180	367.60	.89633	.89633	98.488	.70638	68.443
#1	.13076	-.00091	4.4275	-.00062	-.00328	16.377	35.046	.00018	.29434	-.00059
#2	.13115	-.00135	4.4509	-.00015	.00146	16.585	35.493	.00102	.29730	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00002**	**.00054**	**.00160**	**.02245**	**-.00092**
Stddev	.00017	.00126	.03246	.00037	.00068	.00126
%RSD	27.699	6343.6	6019.3	23.062	3.0219	137.03
#1	.00073	.00091	-.02241	.00186	.02293	-.00003
#2	.00049	-.00087	.02349	.00134	.02197	-.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7157.9**	**93299.**	**8581.4**
Stddev	32.6	347.	30.5
%RSD	.45569	.37186	.35564
#1	7181.0	93544.	8603.0
#2	7134.9	93053.	8559.8

Sample Name: 280-46990-a-5-b ms Acquired: 9/26/2013 2:59:57 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04657**	**1.8780**	**.99643**	**.98991**	**2.0167**	**.04749**	F **1.9262**	**76.936**	**.09923**	**.46714**
Stddev	.00006	.0014	.00067	.00025	.0110	.00050	.0025	.521	.00037	.00072
%RSD	.12939	.07529	.06762	.02475	.54687	1.0495	.12786	.67690	.37371	.15403
#1	.04661	1.8770	.99596	.98974	2.0089	.04714	1.9245	76.568	.09949	.46765
#2	.04653	1.8790	.99691	.99009	2.0245	.04785	1.9280	77.304	.09897	.46663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19602**	**.24096**	**1.0054**	**50.706**	**.97562**	**55.985**	**.47300**	**.95231**	**73.510**	**.47521**
Stddev	.00023	.00163	.0056	.235	.00302	.108	.00133	.00224	.540	.00027
%RSD	.11912	.67536	.55350	.46343	.30964	.19363	.28064	.23505	.73425	.05587
#1	.19618	.24211	1.0014	50.540	.97348	56.061	.47394	.95390	73.128	.47539
#2	.19585	.23981	1.0093	50.872	.97775	55.908	.47206	.95073	73.891	.47502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.6748**	**.47979**	**4.6210**	**.46980**	**1.9284**	**26.658**	**57.049**	**1.8733**	**1.2660**	**.90628**
Stddev	.0209	.00044	.0063	.00287	.0109	.107	.228	.0021	.0066	.00270
%RSD	.21589	.09258	.13689	.61152	.56284	.40043	.40043	.11040	.51967	.29770
#1	9.6896	.47948	4.6255	.46777	1.9361	26.583	56.888	1.8748	1.2614	.90437
#2	9.6600	.48011	4.6165	.47183	1.9207	26.734	57.211	1.8719	1.2707	.90819
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96104**	**1.8397**	**1.9887**	**.49083**	**.48566**	**.47796**
Stddev	.00309	.0021	.0139	.00111	.00131	.00191
%RSD	.32149	.11237	.70010	.22624	.27059	.40020
#1	.96322	1.8412	1.9985	.49162	.48659	.47931
#2	.95885	1.8383	1.9788	.49005	.48473	.47661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6982.5**	**89425.**	**8472.9**
Stddev	6.2	692.	25.4
%RSD	.08843	.77380	.30037
#1	6986.9	88936.	8490.9
#2	6978.2	89914.	8454.9

Sample Name: 280-46990-a-5-c msd Acquired: 9/26/2013 3:02:03 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04578**	**1.8367**	**.97922**	**.98096**	**1.9788**	**.04652**	F **1.9135**	**75.458**	**.09812**	**.45861**
Stddev	.00082	.0039	.00728	.00463	.0002	.00007	.0152	.082	.00057	.00136
%RSD	1.7811	.21397	.74344	.47164	.01030	.15512	.79330	.10919	.58136	.29703
#1	.04635	1.8340	.97407	.97769	1.9790	.04647	1.9028	75.517	.09772	.45765
#2	.04520	1.8395	.98437	.98423	1.9787	.04657	1.9242	75.400	.09852	.45958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19221**	**.23634**	**.95441**	**49.516**	**.95515**	**54.615**	**.46104**	**.93240**	**72.064**	**.46736**
Stddev	.00143	.00071	.00175	.072	.00245	.282	.00185	.00070	.810	.00248
%RSD	.74390	.30223	.18348	.14624	.25599	.51725	.40093	.07527	1.1235	.53008
#1	.19120	.23583	.95565	49.567	.95688	54.416	.45973	.93190	71.492	.46561
#2	.19322	.23684	.95317	49.465	.95342	54.815	.46235	.93290	72.636	.46912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.5306**	**.47073**	**4.5994**	**.46656**	**1.9182**	**26.167**	**55.997**	**1.8378**	**1.2432**	**.89146**
Stddev	.0101	.00410	.0186	.00024	.0091	.035	.074	.0064	.0004	.00234
%RSD	.10545	.87035	.40451	.05176	.47663	.13255	.13255	.34587	.03002	.26213
#1	9.5235	.46784	4.5862	.46639	1.9118	26.191	56.049	1.8333	1.2430	.88981
#2	9.5377	.47363	4.6125	.46673	1.9247	26.142	55.944	1.8423	1.2435	.89312
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93693**	**1.8110**	**1.9295**	**.47849**	**.46505**	**.46860**
Stddev	.00218	.0056	.0070	.00099	.00293	.00330
%RSD	.23263	.30747	.36082	.20627	.63028	.70325
#1	.93539	1.8071	1.9344	.47779	.46298	.46627
#2	.93847	1.8149	1.9246	.47919	.46712	.47093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7052.7**	**91848.**	**8676.8**
Stddev	.7	907.	70.8
%RSD	.00971	.98696	.81575
#1	7052.2	92489.	8626.8
#2	7053.2	91207.	8726.9

Sample Name: 280-46990-a-6-a Acquired: 9/26/2013 3:04:09 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.05303**	**.00112**	**.01904**	**.08708**	**.00000**	**-.00387**	**30.101**	**.00028**	**-.00016**
Stddev	.00041	.00094	.00543	.00036	.00086	.00001	.00061	.132	.00009	.00005
%RSD	3381.0	1.7712	483.68	1.8700	.99015	192.01	15.795	.43969	31.021	32.067
#1	.00030	.05236	.00496	.01879	.08769	.00000	-.00344	30.194	.00022	-.00020
#2	-.00028	.05369	-.00271	.01929	.08647	.00001	-.00431	30.007	.00034	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00059**	**.05978**	**1.0645**	**.01475**	**9.9556**	**.00128**	**.00065**	**23.946**	**.00026**
Stddev	.00015	.00035	.00058	.0306	.00182	.0238	.00004	.00003	.141	.00038
%RSD	18.415	58.790	.96891	2.8782	12.334	.23865	3.1267	5.2289	.59041	144.46
#1	.00094	.00084	.05937	1.0861	.01603	9.9388	.00131	.00068	24.046	.00053
#2	.00072	.00035	.06018	1.0428	.01346	9.9724	.00125	.00063	23.846	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13773**	**-.00078**	**4.6279**	**-.00210**	**.00008**	**17.413**	**37.263**	**.00089**	**.31066**	**.00069**
Stddev	.00112	.00099	.0322	.00152	.00358	.150	.321	.00054	.00114	.00255
%RSD	.81545	127.48	.69509	72.198	4515.7	.86168	.86168	60.821	.36736	367.50
#1	.13694	-.00008	4.6051	-.00103	-.00245	17.306	37.036	.00051	.31146	-.00111
#2	.13853	-.00148	4.6506	-.00318	.00261	17.519	37.490	.00127	.30985	.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00102**	**-.03493**	**.00152**	**.01535**	**.00025**
Stddev	.00010	.00083	.00640	.00026	.00043	.00130
%RSD	9.2255	81.539	18.332	16.965	2.7919	514.93
#1	.00117	.00161	-.03040	.00170	.01505	.00117
#2	.00103	.00043	-.03946	.00133	.01565	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7137.3**	**93677.**	**8778.8**
Stddev	3.6	914.	35.1
%RSD	.05015	.97530	.40037
#1	7134.8	94323.	8803.7
#2	7139.8	93031.	8754.0

Sample Name: CCVH-2271055 Acquired: 9/26/2013 3:06:30 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00315**	**48.977**	**.00473**	**.00739**	**.00036**	**-.00006**	**.97574**	**.01627**	**.00027**	**-.00055**	**-.00033**	**-.00540**
Stddev	.00022	.064	.00157	.00059	.00014	.00001	.00336	.00029	.00007	.00005	.00013	.00083
%RSD	6.8291	.12986	33.160	8.0292	37.854	19.570	.34440	1.7650	25.757	9.8405	40.214	15.406
#1	-.00331	48.932	.00362	.00697	.00026	-.00005	.97336	.01648	.00032	-.00051	-.00024	-.00599
#2	-.00300	49.022	.00583	.00781	.00046	-.00007	.97811	.01607	.00022	-.00059	-.00043	-.00482
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.575**	**.14446**	**.00274**	**-.07597**	**-.00052**	**-.00044**	**254.77**	**.00048**	**.00352**	**.00076**	**4.7754**	**-.00089**
Stddev	.127	.00624	.00198	.00039	.00011	.00011	.22	.00007	.00047	.00054	.0067	.00082
%RSD	.26762	4.3187	72.428	.51781	20.756	25.950	.08604	14.189	13.369	70.959	.14007	92.228
#1	47.484	.14887	.00414	-.07569	-.00044	-.00052	254.92	.00053	.00385	.00114	4.7707	-.00031
#2	47.665	.14005	.00134	-.07624	-.00059	-.00036	254.61	.00043	.00318	.00038	4.7802	-.00146
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00725**	**.01391**	**.02976**	**.00158**	**.00042**	W **4.6543**	**.00646**	**.00396**	**9.7444**	**.00066**	**-.00016**	**-.02629**
Stddev	.00023	.00292	.00624	.00133	.00010	.0017	.00052	.00051	.0015	.00014	.00013	.00223
%RSD	3.1370	20.980	20.980	84.118	23.321	.03731	7.9771	12.906	.01588	20.933	81.296	8.4944
#1	-.00741	.01184	.02535	.00251	.00049	4.6531	.00610	.00432	9.7433	.00076	-.00007	-.02471
#2	-.00708	.01597	.03418	.00064	.00035	4.6555	.00683	.00360	9.7455	.00056	-.00026	-.02787
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7008.7**	**89991.**	**8593.2**
Stddev	13.2	431.	79.7
%RSD	.18825	.47854	.92763
#1	7018.0	90296.	8649.6
#2	6999.4	89687.	8536.8

Sample Name: CCV-2271054 Acquired: 9/26/2013 3:08:47 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49999**	**.50506**	**1.0163**	**.51352**	**.49298**	**.48501**	**.00284**	**4.9410**	**.50515**	**.50058**	**.50469**	**.49846**	**2.4355**
Stddev	.00194	.00029	.0042	.00226	.00017	.00067	.00022	.0010	.00067	.00029	.00121	.00140	.0132
%RSD	.38717	.05803	.41465	.43915	.03511	.13851	7.6189	.02077	.13304	.05763	.24067	.28002	.54217
#1	.50136	.50526	1.0192	.51511	.49310	.48453	.00300	4.9402	.50467	.50038	.50383	.49945	2.4262
#2	.49862	.50485	1.0133	.51192	.49286	.48548	.00269	4.9417	.50562	.50079	.50554	.49748	2.4448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.893**	**.99270**	**19.251**	**.49160**	**.49544**	**5.1393**	**.51276**	**.97992**	**1.0312**	**-.00020**	**.96734**	**1.0124**	**4.8763**
Stddev	.034	.00436	.047	.00109	.00044	.0410	.00072	.00122	.0012	.00177	.00276	.0054	.0076
%RSD	.06697	.43923	.24494	.22184	.08846	.79785	.14057	.12420	.11687	872.59	.28574	.53163	.15627
#1	50.868	.98961	19.284	.49237	.49513	5.1683	.51225	.97906	1.0303	-.00146	.96930	1.0162	4.8816
#2	50.917	.99578	19.217	.49083	.49575	5.1103	.51327	.98078	1.0320	.00105	.96539	1.0086	4.8709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.435**	**.99077**	**.49170**	**-.00373**	**.48711**	**1.0135**	**-.01986**	**.49703**	**.48755**	**.49021**
Stddev	.016	.00049	.00044	.00011	.00054	.0009	.00873	.00059	.00025	.00405
%RSD	.15627	.04963	.08940	2.9563	.10992	.09318	43.948	.11843	.05146	.82603
#1	10.447	.99112	.49139	-.00381	.48749	1.0142	-.02603	.49661	.48772	.48735
#2	10.424	.99042	.49201	-.00365	.48674	1.0129	-.01369	.49745	.48737	.49307
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7174.6**	**93806.**	**8588.5**
Stddev	19.3	21.	74.5
%RSD	.26909	.02260	.86699
#1	7161.0	93821.	8641.2
#2	7188.3	93791.	8535.9

Sample Name: CCB Acquired: 9/26/2013 3:10:56 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00101**	**.00366**	W **.00453**	**.00015**	**.00015**	**.00314**	**.00115**	**-.00004**	**.00010**	**.00018**	**-.00033**
Stddev	.00006	.00010	.00021	.00009	.00023	.00002	.00163	.00268	.00002	.00003	.00014	.00005
%RSD	9.5078	10.286	5.6108	1.9939	154.93	11.285	51.941	232.78	34.902	25.450	75.437	14.281
#1	.00068	.00108	.00351	.00459	-.00001	.00017	.00199	.00304	-.00005	.00012	.00028	-.00030
#2	.00059	.00093	.00380	.00447	.00032	.00014	.00430	-.00074	-.00003	.00009	.00008	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00512**	**.10737**	**.00173**	**.00149**	**.00005**	**.00054**	**.02322**	**.00005**	**-.00112**	**-.00054**	**.00945**	F **.01892**
Stddev	.00168	.05939	.00162	.00091	.00004	.00022	.00155	.00045	.00054	.00100	.00123	.00607
%RSD	32.904	55.317	93.597	61.286	74.617	41.236	6.6781	952.18	48.446	184.35	13.031	32.091
#1	.00393	.06537	.00058	.00084	.00008	.00038	.02432	-.00027	-.00073	.00016	.01032	.01463
#2	.00631	.14936	.00287	.00214	.00003	.00069	.02213	.00036	-.00150	-.00125	.00858	.02321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.00022**	**.00047**	**.00022**	**.00014**	**.00036**	**-.00001**	**.00007**	**-.00696**	**-.00004**	**.00144**	**.00013**
Stddev	.00621	.00013	.00027	.00040	.00007	.00085	.00005	.00055	.02848	.00024	.00049	.00093
%RSD	433.49	58.323	58.323	187.18	50.365	238.43	589.36	806.61	409.46	614.64	34.214	732.17
#1	.00296	.00013	.00028	-.00007	.00019	-.00024	.00003	.00046	-.02710	.00013	.00109	-.00053
#2	-.00582	.00031	.00066	.00050	.00009	.00096	-.00004	-.00032	.01318	-.00021	.00178	.00079
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7243.4**	**94057.**	**8506.0**
Stddev	35.2	170.	5.9
%RSD	.48651	.18052	.06924
#1	7268.3	94177.	8510.1
#2	7218.5	93936.	8501.8

Sample Name: CCVL2271034 Acquired: 9/26/2013 3:13:15 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01006**	**.10383**	**.01384**	**.10045**	**.00978**	**.00087**	**.10884**	**.20684**	**.00486**	**.01048**	**.01027**	**.01472**	**.10028**
Stddev	.00054	.00029	.00181	.00049	.00008	.00005	.00176	.00163	.00013	.00020	.00004	.00028	.00057
%RSD	5.3553	.28309	13.099	.49236	.79682	5.8219	1.6158	.78992	2.6419	1.9147	.37983	1.9076	.56766
#1	.01044	.10363	.01256	.10010	.00973	.00090	.10759	.20799	.00495	.01034	.01030	.01492	.09988
#2	.00968	.10404	.01512	.10080	.00984	.00083	.11008	.20568	.00477	.01062	.01025	.01452	.10068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0875**	F **.01479**	**.19799**	**.00991**	**.01926**	**1.0612**	**.04151**	**2.7822**	**.00953**	**.00634**	**.01186**	F **.00953**	**.48309**
Stddev	.0472	.00086	.00043	.00009	.00017	.0146	.00012	.0115	.00101	.00137	.00212	.00256	.00505
%RSD	1.5283	5.7806	.21943	.87080	.85903	1.3770	.28421	.41454	10.567	21.640	17.869	26.819	1.0462
#1	3.0541	.01419	.19768	.00997	.01914	1.0716	.04159	2.7740	.00881	.00731	.01037	.01134	.47952
#2	3.1208	.01540	.19829	.00985	.01937	1.0509	.04143	2.7903	.01024	.00537	.01336	.00772	.48666
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		.01000										.01500	
Range		30.000%										-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0338**	**.09901**	**.00991**	**.01322**	**.00938**	**.01747**	**.07788**	**.01008**	**.02062**	**.01473**
Stddev	.0108	.00001	.00010	.00006	.00035	.00093	.01901	.00014	.00027	.00139
%RSD	1.0462	.00619	1.0299	.46600	3.7623	5.3341	24.406	1.4229	1.2870	9.4498
#1	1.0262	.09901	.00984	.01326	.00963	.01681	.06444	.01018	.02081	.01572
#2	1.0415	.09900	.00999	.01317	.00913	.01813	.09132	.00998	.02043	.01375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7236.3**	**95204.**	**8541.3**
Stddev	16.8	311.	54.8
%RSD	.23236	.32671	.64161
#1	7224.4	95423.	8580.0
#2	7248.2	94984.	8502.5

Sample Name: 280-46990-a-7-a Acquired: 9/26/2013 3:15:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.01739**	**.00095**	**.01303**	**.09961**	**-.00006**	**-.00094**	**31.083**	**.00018**	**-.00015**
Stddev	.00086	.00034	.00145	.00031	.00018	.00004	.00226	.054	.00007	.00010
%RSD	205.13	1.9837	152.26	2.3835	.17582	64.361	240.79	.17296	38.911	67.571
#1	-.00019	.01764	.00198	.01281	.09973	-.00003	.00066	31.121	.00023	-.00008
#2	.00102	.01715	-.00007	.01325	.09948	-.00008	-.00254	31.045	.00013	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00062**	**.03402**	**.93778**	**.01671**	**10.065**	**.00082**	**.00032**	**30.895**	**.00019**
Stddev	.00017	.00026	.00085	.02024	.00219	.004	.00003	.00008	.308	.00021
%RSD	37.106	40.820	2.4899	2.1579	13.082	.03924	4.1222	23.652	.99592	109.67
#1	.00059	.00044	.03462	.95209	.01825	10.062	.00080	.00038	30.678	.00033
#2	.00034	.00081	.03342	.92347	.01516	10.068	.00085	.00027	31.113	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10353**	**-.00005**	**10.251**	**-.00263**	**.00103**	**16.393**	**35.080**	**.00084**	**.31802**	**-.00037**
Stddev	.00105	.00024	.044	.00164	.00260	.004	.008	.00035	.00090	.00057
%RSD	1.0134	467.91	.43115	62.281	251.18	.02249	.02249	42.141	.28216	152.54
#1	.10279	.00012	10.282	-.00378	-.00080	16.395	35.086	.00059	.31865	-.00077
#2	.10427	-.00022	10.219	-.00147	.00287	16.390	35.075	.00109	.31738	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00094**	**-.04428**	**.00091**	**.01411**	**.00228**
Stddev	.00031	.00049	.01467	.00017	.00056	.00081
%RSD	88.828	51.836	33.128	19.079	3.9535	35.694
#1	.00013	.00128	-.03391	.00103	.01372	.00170
#2	.00057	.00059	-.05465	.00079	.01451	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7219.0**	**93930.**	**8680.3**
Stddev	2.0	249.	6.0
%RSD	.02780	.26459	.06925
#1	7220.4	93754.	8676.0
#2	7217.5	94106.	8684.5

Sample Name: 280-46990-a-8-a Acquired: 9/26/2013 3:17:55 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.03853**	**-.00240**	**.01705**	**.07915**	**-.00009**	**-.00169**	**25.792**	**.00014**	**-.00012**
Stddev	.00022	.00001	.00144	.00029	.00087	.00004	.00146	.079	.00020	.00020
%RSD	53.136	.03160	60.013	1.7302	1.0975	40.832	86.625	.30463	143.39	163.57
#1	.00026	.03852	-.00138	.01684	.07976	-.00011	-.00065	25.847	.00000	-.00027
#2	.00058	.03854	-.00343	.01726	.07853	-.00006	-.00272	25.736	.00028	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00038**	**.14214**	**.89834**	**.01585**	**8.4063**	**.00406**	**.00002**	**24.554**	**.00035**
Stddev	.00007	.00050	.00038	.01430	.00038	.0122	.00007	.00012	.500	.00009
%RSD	8.4042	131.57	.26487	1.5922	2.3759	.14476	1.6394	567.52	2.0362	25.408
#1	.00075	.00073	.14187	.88822	.01558	8.4149	.00401	.00011	24.200	.00041
#2	.00085	.00003	.14241	.90845	.01612	8.3977	.00411	-.00007	24.907	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13818**	**-.00210**	**7.8369**	**-.00171**	**-.00157**	**18.029**	**38.583**	**.00052**	**.24225**	**-.00065**
Stddev	.00103	.00030	.0116	.00090	.00328	.071	.153	.00048	.00084	.00056
%RSD	.74880	14.301	.14760	52.375	208.94	.39603	.39603	92.100	.34585	86.089
#1	.13744	-.00231	7.8288	-.00234	-.00389	18.080	38.691	.00086	.24284	-.00104
#2	.13891	-.00189	7.8451	-.00108	.00075	17.979	38.475	.00018	.24166	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00154**	**.00656**	**.00161**	**.01697**	**.00226**
Stddev	.00003	.00013	.00493	.00027	.00048	.00072
%RSD	3.1343	8.5060	75.041	16.613	2.8271	31.891
#1	.00089	.00164	.00308	.00180	.01731	.00277
#2	.00085	.00145	.01005	.00142	.01663	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7245.8**	**94695.**	**8686.2**
Stddev	11.8	156.	33.6
%RSD	.16230	.16493	.38732
#1	7254.1	94585.	8662.5
#2	7237.5	94805.	8710.0

Sample Name: 280-46990-a-9-a Acquired: 9/26/2013 3:20:16 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**1.0902**	**.00219**	**.01637**	**.08711**	**.00011**	**-.00171**	**27.986**	**.00009**	**.00076**
Stddev	.00033	.0014	.00338	.00044	.00064	.00001	.00077	.090	.00010	.00008
%RSD	157.00	.12788	154.22	2.6850	.73452	6.7189	45.036	.32059	114.73	10.654
#1	-.00002	1.0912	-.00020	.01606	.08666	.00012	-.00116	27.922	.00016	.00082
#2	.00045	1.0892	.00458	.01668	.08757	.00011	-.00225	28.049	.00002	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00257**	**.00094**	**1.9077**	**1.1711**	**.01922**	**8.7316**	**.01950**	**.00083**	**18.649**	**.00402**
Stddev	.00014	.00033	.0056	.0236	.00116	.0462	.00001	.00018	.215	.00001
%RSD	5.5117	34.995	.29394	2.0134	6.0438	.52965	.06532	21.097	1.1504	.27978
#1	.00267	.00118	1.9117	1.1878	.02004	8.7643	.01949	.00096	18.801	.00401
#2	.00247	.00071	1.9037	1.1545	.01839	8.6989	.01951	.00071	18.498	.00403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11443**	**-.00140**	**11.867**	**.00065**	**.00158**	**20.734**	**44.370**	**.00084**	**.23575**	**-.00008**
Stddev	.00191	.00057	.004	.00044	.00068	.131	.281	.00051	.00086	.00165
%RSD	1.6649	40.693	.03299	68.132	43.074	.63396	.63396	61.167	.36328	2159.8
#1	.11578	-.00100	11.864	.00096	.00206	20.827	44.569	.00048	.23514	.00109
#2	.11309	-.00180	11.870	.00034	.00110	20.641	44.171	.00120	.23635	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03041**	**.00172**	**.00605**	**.00362**	**.01948**	**.00287**
Stddev	.00050	.00056	.01090	.00008	.00062	.00028
%RSD	1.6477	32.835	180.18	2.3101	3.1864	9.5849
#1	.03076	.00212	-.00166	.00356	.01992	.00268
#2	.03005	.00132	.01376	.00368	.01904	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7269.4**	**94400.**	**8764.4**
Stddev	5.6	433.	5.6
%RSD	.07659	.45818	.06370
#1	7265.4	94094.	8760.5
#2	7273.3	94706.	8768.4

Sample Name: 280-46990-a-10-a Acquired: 9/26/2013 3:22:35 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**1.1712**	**.00475**	**.01648**	**.08068**	**.00005**	**-.00187**	**24.012**	**.00008**	**.00051**
Stddev	.00004	.0037	.00210	.00048	.00020	.00011	.00449	.002	.00006	.00009
%RSD	52.813	.31946	44.230	2.8863	.24538	246.09	239.66	.01009	76.325	16.883
#1	-.00004	1.1738	.00623	.01681	.08054	-.00003	-.00505	24.011	.00013	.00057
#2	-.00010	1.1685	.00326	.01614	.08082	.00012	.00130	24.014	.00004	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**.00120**	**1.4469**	**1.0373**	**.01103**	**8.0183**	**.02069**	**.00014**	**17.936**	**.00142**
Stddev	.00016	.00008	.0033	.0186	.00037	.0287	.00003	.00021	.087	.00005
%RSD	6.6433	6.9764	.22887	1.7902	3.3880	.35761	.16021	144.10	.48749	3.7200
#1	.00229	.00126	1.4492	1.0505	.01077	7.9981	.02067	.00029	17.875	.00139
#2	.00251	.00114	1.4445	1.0242	.01130	8.0386	.02072	.00000	17.998	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15795**	**.00054**	**2.7934**	**-.00092**	W **-.00567**	**19.127**	**40.931**	**.00089**	**.24791**	**-.00039**
Stddev	.00005	.00152	.0177	.00036	.00054	.064	.138	.00015	.00057	.00108
%RSD	.03118	284.50	.63290	38.500	9.4965	.33706	.33706	17.284	.23188	274.82
#1	.15799	-.00054	2.8059	-.00067	-.00606	19.172	41.029	.00100	.24832	-.00116
#2	.15792	.00161	2.7809	-.00118	-.00529	19.081	40.834	.00078	.24751	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02732**	**.00114**	**-.00041**	**.00407**	**.01819**	**.00219**
Stddev	.00015	.00017	.00626	.00035	.00025	.00044
%RSD	.54208	14.564	1512.6	8.6526	1.3730	20.018
#1	.02721	.00103	.00401	.00382	.01802	.00250
#2	.02742	.00126	-.00484	.00432	.01837	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7259.6**	**94429.**	**8694.2**
Stddev	8.6	84.	64.3
%RSD	.11805	.08874	.73915
#1	7265.7	94488.	8739.7
#2	7253.6	94369.	8648.8

Sample Name: 280-46990-a-11-e Acquired: 9/26/2013 3:24:52 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01488**	**.00014**	**.00308**	**.00157**	**.00000**	**.00197**	**.22761**	**.00010**	**.00018**
Stddev	.00021	.00031	.00147	.00016	.00006	.00005	.00133	.00087	.00013	.00008
%RSD	34.415	2.0539	1081.6	5.0392	3.9192	1003.6	67.589	.38012	120.68	43.104
#1	.00046	.01466	-.00091	.00319	.00152	.00004	.00292	.22699	.00019	.00024
#2	.00075	.01509	.00118	.00297	.00161	-.00003	.00103	.22822	.00002	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**.00214**	**.04216**	**.11056**	**.00454**	**.04335**	**.00108**	**.00034**	**.44055**	**.00163**
Stddev	.00002	.00011	.00081	.02066	.00444	.00131	.00002	.00028	.01294	.00003
%RSD	1.0392	5.3507	1.9259	18.687	97.713	3.0198	2.2848	81.916	2.9366	1.7228
#1	.00226	.00206	.04273	.09595	.00140	.04428	.00110	.00014	.43140	.00165
#2	.00230	.00222	.04158	.12517	.00768	.04243	.00106	.00053	.44970	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00861**	**.00113**	**.07930**	**.00073**	**-.00244**	**.07980**	**.17078**	**.00091**	**.00087**	**-.00165**
Stddev	.00082	.00065	.00054	.00148	.00002	.01076	.02303	.00029	.00002	.00116
%RSD	9.5685	57.843	.67998	203.13	.87641	13.487	13.487	31.450	2.7523	70.326
#1	.00803	.00067	.07968	.00177	-.00246	.07219	.15449	.00071	.00089	-.00083
#2	.00919	.00160	.07892	-.00032	-.00243	.08741	.18706	.00111	.00085	-.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00053**	**-.01465**	**-.00007**	**.01442**	**.00181**
Stddev	.00004	.00222	.01246	.00016	.00061	.00080
%RSD	9.5902	417.81	85.062	239.32	4.2429	44.022
#1	.00042	.00210	-.00584	.00005	.01399	.00238
#2	.00037	-.00104	-.02346	-.00018	.01485	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7244.0**	**95566.**	**8664.9**
Stddev	10.9	176.	52.1
%RSD	.15099	.18386	.60077
#1	7236.3	95690.	8701.7
#2	7251.7	95442.	8628.1

Sample Name: 280-46990-a-12-a Acquired: 9/26/2013 3:27:09 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.02134**	**.00149**	**.01091**	**.00099**	**.00004**	**.00269**	**.22479**	**-.00009**	**.00004**
Stddev	.00066	.00020	.00010	.00007	.00025	.00000	.00083	.00624	.00002	.00025
%RSD	64.586	.92835	6.9416	.61754	25.617	4.9532	30.672	2.7777	26.418	657.53
#1	.00056	.02148	.00142	.01086	.00081	.00004	.00211	.22921	-.00011	.00021
#2	.00149	.02120	.00156	.01096	.00117	.00004	.00328	.22038	-.00008	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00052**	**.01930**	**.01708**	**.00312**	**.01735**	**.00044**	**.00015**	**.66810**	**.00015**
Stddev	.00003	.00032	.00087	.00387	.00095	.00009	.00005	.00015	.00190	.00012
%RSD	3.6889	61.196	4.5325	22.689	30.500	.52840	12.183	101.91	.28397	77.982
#1	.00071	.00074	.01992	.01982	.00379	.01729	.00040	.00004	.66676	.00007
#2	.00075	.00029	.01869	.01434	.00244	.01742	.00048	.00026	.66944	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**.00008**	**.01032**	**-.00053**	W **-.00671**	**2.5680**	**5.4955**	**.00108**	**.00030**	**.00109**
Stddev	.00077	.00097	.00213	.00134	.00202	.0360	.0770	.00034	.00019	.00131
%RSD	10.067	1280.1	20.678	253.38	30.119	1.4007	1.4007	31.267	63.322	120.52
#1	.00709	.00076	.01183	.00042	-.00814	2.5934	5.5499	.00084	.00044	.00201
#2	.00818	-.00061	.00881	-.00148	-.00528	2.5426	5.4411	.00132	.00017	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00043**	**-.04213**	**.00031**	**.01424**	**.00159**
Stddev	.00030	.00072	.03084	.00034	.00007	.00107
%RSD	106.64	166.17	73.193	110.08	.47859	67.551
#1	.00007	-.00008	-.06393	.00007	.01429	.00083
#2	.00049	.00094	-.02033	.00055	.01419	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7291.2**	**95520.**	**8586.7**
Stddev	9.4	50.	26.6
%RSD	.12914	.05193	.30939
#1	7297.8	95555.	8605.5
#2	7284.5	95485.	8567.9

Sample Name: 280-46990-a-13 Acquired: 9/26/2013 3:29:26 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192938 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.01498**	**.00238**	**.00280**	**.00284**	**-.00001**	**.00364**	**2.5287**	**-.00011**	**-.00018**
Stddev	.00044	.00028	.00188	.00059	.00034	.00002	.00071	.0204	.00002	.00003
%RSD	67.224	1.8447	79.115	21.077	11.870	366.42	19.458	.80558	15.082	15.576
#1	.00034	.01517	.00370	.00239	.00307	.00001	.00314	2.5143	-.00012	-.00016
#2	.00096	.01478	.00105	.00322	.00260	-.00002	.00415	2.5431	-.00010	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00818**	**.02310**	**.10177**	**.00287**	**.04164**	**.00235**	**.00011**	**.35969**	**.00084**
Stddev	.00003	.00020	.00117	.09940	.00183	.00244	.00001	.00000	.00462	.00001
%RSD	3.1455	2.4730	5.0841	97.665	63.664	5.8692	.26122	1.7612	1.2856	1.1436
#1	.00101	.00832	.02227	.03149	.00158	.03991	.00234	.00011	.35642	.00085
#2	.00096	.00803	.02393	.17206	.00417	.04337	.00235	.00011	.36296	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01210**	**.00675**	**.04412**	**-.00049**	W **-.00536**	**.07332**	**.15690**	**.00088**	**.00144**	**-.00039**
Stddev	.00099	.00063	.00079	.00153	.00079	.00804	.01720	.00089	.00002	.00086
%RSD	8.1491	9.2807	1.7797	311.53	14.765	10.961	10.961	101.11	1.4229	220.17
#1	.01280	.00630	.04356	.00059	-.00592	.07900	.16906	.00151	.00145	.00022
#2	.01140	.00719	.04467	-.00157	-.00480	.06764	.14474	.00025	.00142	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00008**	**-.00417**	**.00005**	**.02281**	**.00096**
Stddev	.00026	.00009	.01908	.00007	.00003	.00006
%RSD	47.293	107.51	457.11	132.65	.13633	6.4111
#1	.00036	-.00002	.00932	.00000	.02283	.00100
#2	.00072	-.00015	-.01766	.00011	.02279	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7270.4**	**95303.**	**8549.5**
Stddev	1.7	109.	23.6
%RSD	.02320	.11404	.27565
#1	7271.6	95380.	8566.2
#2	7269.2	95226.	8532.9

Sample Name: CCVH-2271055 Acquired: 9/26/2013 3:31:47 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00323**	**49.273**	**.00490**	**.00431**	**.00045**	**-.00001**	**.98164**	**.00438**	**.00029**	**-.00034**	**-.00054**	**-.00587**
Stddev	.00053	.076	.00024	.00018	.00019	.00005	.00166	.00100	.00020	.00001	.00005	.00017
%RSD	16.362	.15447	4.9369	4.1848	41.922	364.46	.16895	22.922	70.578	2.5422	9.5271	2.8283
#1	-.00286	49.219	.00472	.00418	.00031	-.00005	.98281	.00509	.00015	-.00035	-.00050	-.00599
#2	-.00361	49.327	.00507	.00444	.00058	.00002	.98047	.00367	.00043	-.00034	-.00057	-.00576
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.106**	**.00173**	**.00160**	**-.08178**	**-.00061**	**-.00040**	**256.26**	**.00027**	**.00095**	**.00101**	**4.7942**	**-.00209**
Stddev	.347	.00557	.00186	.00049	.00001	.00003	.12	.00025	.00221	.00006	.0097	.00082
%RSD	.72149	321.27	116.41	.60090	1.2800	8.6454	.04859	94.415	233.06	6.3020	.20299	39.320
#1	47.861	.00568	.00291	-.08143	-.00062	-.00042	256.17	.00045	.00251	.00105	4.8011	-.00268
#2	48.351	-.00221	.00028	-.08212	-.00061	-.00038	256.34	.00009	-.00061	.00096	4.7873	-.00151
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00656**	**-.01713**	**-.03666**	**.00198**	**.00025**	W **4.6585**	**.00605**	**.00156**	**9.7272**	**-.00008**	**.00036**	**-.02764**
Stddev	.00164	.00015	.00031	.00062	.00003	.0155	.00030	.00010	.0223	.00003	.00033	.00314
%RSD	25.061	.84844	.84844	31.193	12.723	.33178	4.9211	6.2760	.22959	33.579	91.457	11.361
#1	-.00772	-.01703	-.03644	.00154	.00027	4.6694	.00584	.00149	9.7430	-.00006	.00013	-.02986
#2	-.00539	-.01723	-.03688	.00241	.00023	4.6475	.00626	.00163	9.7114	-.00010	.00060	-.02542
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.5**	**89729.**	**8452.2**
Stddev	34.5	8.	13.5
%RSD	.49323	.00891	.15956
#1	6965.1	89735.	8442.7
#2	7013.9	89723.	8461.8

Sample Name: CCV-2271054 Acquired: 9/26/2013 3:34:06 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49936**	**.50633**	**1.0152**	**.51104**	**.49333**	**.48528**	**.00225**	**4.9549**	**.50593**	**.50064**	**.50704**	**.49835**	**2.4409**
Stddev	.00033	.00035	.0003	.00060	.00020	.00007	.00083	.0048	.00140	.00126	.00101	.00124	.0067
%RSD	.06634	.06866	.03160	.11756	.03986	.01408	36.780	.09762	.27632	.25136	.19980	.24782	.27451
#1	.49913	.50657	1.0155	.51147	.49319	.48523	.00166	4.9583	.50494	.49975	.50633	.49748	2.4457
#2	.49960	.50608	1.0150	.51062	.49347	.48533	.00283	4.9515	.50692	.50153	.50776	.49922	2.4362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.921**	**.99602**	**19.262**	**.49196**	**.49280**	**5.1561**	**.51193**	**.97700**	**1.0318**	**-.00538**	**.96965**	**1.0151**	**4.9442**
Stddev	.011	.00194	.040	.00117	.00205	.0262	.00225	.00750	.0005	.00132	.00469	.0006	.0388
%RSD	.02190	.19515	.20884	.23771	.41533	.50892	.44009	.76799	.04605	24.522	.48341	.06055	.78516
#1	50.913	.99739	19.290	.49278	.49424	5.1747	.51353	.98231	1.0321	-.00631	.97296	1.0146	4.9168
#2	50.929	.99464	19.233	.49113	.49135	5.1376	.51034	.97170	1.0314	-.00444	.96634	1.0155	4.9717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.581**	**.99527**	**.49238**	**-.00311**	**.48767**	**1.0147**	**-.00371**	**.49657**	**.48892**	**.49348**
Stddev	.083	.00086	.00067	.00040	.00035	.0011	.00544	.00141	.00219	.00808
%RSD	.78516	.08624	.13526	12.913	.07262	.10926	146.77	.28468	.44848	1.6373
#1	10.522	.99588	.49285	-.00339	.48792	1.0155	.00014	.49757	.49047	.48777
#2	10.639	.99466	.49191	-.00283	.48742	1.0139	-.00755	.49557	.48737	.49919
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7133.9**	**93057.**	**8542.2**
Stddev	6.9	329.	30.0
%RSD	.09709	.35380	.35127
#1	7129.0	92824.	8563.4
#2	7138.8	93290.	8521.0

Sample Name: CCB Acquired: 9/26/2013 3:36:13 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00293**	**.00352**	**.00232**	**.00027**	**.00012**	**.00313**	**-.00136**	**-.00009**	**.00008**	**.00005**	**.00014**
Stddev	.00013	.00028	.00369	.00008	.00042	.00005	.00214	.00033	.00002	.00023	.00002	.00032
%RSD	21.087	9.4543	104.82	3.5245	158.65	40.940	68.459	24.178	26.635	268.00	30.657	226.09
#1	.00071	.00312	.00614	.00238	.00057	.00015	.00162	-.00160	-.00011	.00024	.00004	.00037
#2	.00052	.00273	.00091	.00226	-.00003	.00008	.00465	-.00113	-.00007	-.00008	.00006	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00425**	**.06679**	W **.00315**	**.00253**	**.00005**	**.00083**	**.02227**	**.00022**	**-.00069**	**.00003**	**.00310**	F **.01891**
Stddev	.00079	.02625	.00266	.00145	.00009	.00007	.00199	.00012	.00042	.00057	.00228	.00659
%RSD	18.609	39.297	84.240	57.128	204.44	8.8753	8.9337	53.722	60.250	1827.8	73.612	34.843
#1	.00481	.08534	.00503	.00355	.00011	.00088	.02368	.00030	-.00040	-.00037	.00149	.01425
#2	.00369	.04823	.00127	.00151	-.00002	.00078	.02086	.00013	-.00099	.00043	.00471	.02356
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261									.00628
Low Limit			-.00261									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00316**	**.01128**	**.02413**	**.00068**	**.00016**	**-.00225**	**-.00011**	**.00118**	**.00108**	**.00026**	**.00168**	**-.00004**
Stddev	.00020	.00570	.01220	.00022	.00007	.00142	.00039	.00010	.03254	.00009	.00079	.00125
%RSD	6.3966	50.551	50.551	32.486	41.309	63.043	352.26	8.0772	3015.5	33.288	46.760	2777.2
#1	-.00301	.00725	.01550	.00052	.00012	-.00325	.00017	.00111	.02409	.00032	.00113	-.00093
#2	-.00330	.01531	.03275	.00083	.00021	-.00125	-.00039	.00125	-.02193	.00020	.00224	.00084
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7089.1**	**92697.**	**8354.1**
Stddev	7.2	87.	39.4
%RSD	.10155	.09340	.47107
#1	7084.0	92636.	8382.0
#2	7094.2	92758.	8326.3

Sample Name: CCVL2271034 Acquired: 9/26/2013 3:38:30 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**.10366**	**.01770**	**.09859**	**.00995**	**.00096**	**.10848**	**.20374**	**.00490**	**.01036**	**.01046**	**.01510**	**.10030**
Stddev	.00046	.00017	.00045	.00158	.00022	.00009	.00374	.00171	.00008	.00005	.00003	.00059	.00163
%RSD	4.3695	.16408	2.5454	1.6070	2.2154	9.7431	3.4461	.83740	1.6893	.46602	.32909	3.8804	1.6210
#1	.01009	.10354	.01738	.09747	.00980	.00090	.10583	.20495	.00496	.01033	.01049	.01551	.09915
#2	.01074	.10378	.01801	.09971	.01011	.00103	.11112	.20254	.00484	.01039	.01044	.01468	.10145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1318**	F **.01589**	**.20348**	**.01004**	**.01908**	**1.0550**	**.04164**	**2.7819**	**.00954**	**.00103**	**.01106**	F **.00661**	**.49816**
Stddev	.0295	.00008	.00284	.00000	.00028	.0022	.00012	.0183	.00142	.00408	.00229	.00203	.02511
%RSD	.94130	.47752	1.3935	.04332	1.4561	.21101	.28267	.65727	14.868	395.95	20.741	30.624	5.0406
#1	3.1110	.01594	.20549	.01005	.01889	1.0566	.04172	2.7689	.00853	.00392	.00944	.00805	.48041
#2	3.1526	.01583	.20148	.01004	.01928	1.0534	.04155	2.7948	.01054	-.00186	.01268	.00518	.51592
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		.01000										.01500	
Range		30.000%										-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0661**	**.09965**	**.00995**	**.01177**	**.00977**	**.01812**	**.05304**	**.01048**	**.02084**	**.01402**
Stddev	.0537	.00021	.00007	.00104	.00005	.00055	.00755	.00065	.00045	.00206
%RSD	5.0406	.20853	.70379	8.8735	.56024	3.0605	14.225	6.2279	2.1456	14.717
#1	1.0281	.09980	.00990	.01103	.00973	.01773	.05838	.01002	.02052	.01256
#2	1.1041	.09951	.01000	.01251	.00981	.01851	.04771	.01095	.02115	.01548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.2**	**92799.**	**8350.6**
Stddev	15.6	259.	17.3
%RSD	.21923	.27920	.20762
#1	7089.2	92616.	8362.9
#2	7111.2	92982.	8338.3

Sample Name: mb 280-192743/1-a Acquired: 9/26/2013 3:40:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00391**	**.00298**	**.00220**	**.00019**	**-.00002**	**.00255**	**.00799**	**-.00004**	**.00008**
Stddev	.00004	.00006	.00132	.00022	.00018	.00000	.00022	.00350	.00005	.00014
%RSD	43.974	1.6206	44.270	10.122	95.919	17.596	8.5586	43.750	129.68	175.56
#1	.00013	.00396	.00205	.00236	.00031	-.00002	.00271	.01046	-.00008	-.00002
#2	.00007	.00387	.00391	.00205	.00006	-.00002	.00240	.00552	.00000	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00026**	**.00918**	**.01380**	**.00146**	**.00199**	**.00007**	**.00006**	**.00951**	**-.00024**
Stddev	.00004	.00052	.00050	.03923	.00100	.00015	.00001	.00026	.01234	.00009
%RSD	38.006	200.04	5.4108	284.29	68.272	7.7167	17.693	417.29	129.83	38.095
#1	.00014	-.00063	.00883	.04154	.00217	.00188	.00008	.00024	.01823	-.00030
#2	.00008	.00011	.00953	-.01394	.00076	.00209	.00006	-.00012	.00078	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00080**	**.00241**	**.00132**	**-.00456**	**.00138**	**.00296**	**.00040**	**.00000**	**-.00076**
Stddev	.00015	.00079	.00414	.00057	.00138	.01745	.03734	.00050	.00012	.00021
%RSD	78.481	97.698	172.14	43.091	30.287	1260.3	1260.3	124.31	4118.3	27.306
#1	-.00029	-.00136	-.00052	.00172	-.00358	-.01095	-.02344	.00075	-.00008	-.00090
#2	-.00008	-.00025	.00533	.00092	-.00553	.01372	.02936	.00005	.00009	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00099**	**.01284**	**.00018**	**.00215**	**-.00071**
Stddev	.00031	.00099	.01184	.00015	.00061	.00139
%RSD	145.66	100.93	92.223	86.611	28.189	194.36
#1	.00001	.00028	.00447	.00007	.00172	.00027
#2	-.00043	.00169	.02121	.00028	.00258	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7159.6**	**94503.**	**8428.9**
Stddev	7.7	155.	5.9
%RSD	.10802	.16417	.07048
#1	7154.2	94613.	8433.1
#2	7165.1	94394.	8424.7

Sample Name: lcs 280-192743/2-a Acquired: 9/26/2013 3:43:04 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04798	1.8985	1.0277	1.0237	1.9896	.04887	1.9951	49.212	.10308	.48563
Stddev	.00069	.0008	.0011	.0009	.0040	.00003	.0001	.006	.00028	.00017
%RSD	1.4438	.04191	.10477	.08994	.19898	.06183	.00454	.01253	.26775	.03539
#1	.04749	1.8991	1.0270	1.0244	1.9868	.04889	1.9951	49.216	.10288	.48575
#2	.04847	1.8979	1.0285	1.0231	1.9924	.04885	1.9952	49.207	.10327	.48551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20213	.24809	.99336	51.441	.99342	47.797	.48631	.98102	52.134	.49443
Stddev	.00013	.00054	.00376	.060	.00494	.060	.00061	.00079	.184	.00092
%RSD	.06405	.21929	.37802	.11599	.49720	.12460	.12487	.08073	.35225	.18577
#1	.20204	.24770	.99070	51.484	.98993	47.839	.48674	.98046	52.005	.49378
#2	.20222	.24847	.99601	51.399	.99691	47.755	.48588	.98158	52.264	.49508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8505	.50036	-.01053	.49201	2.0318	9.9976	21.395	1.9477	.98937	.93380
Stddev	.0037	.00012	.00041	.00434	.0127	.1301	.278	.0115	.00076	.00164
%RSD	.03735	.02395	3.9232	.88173	.62459	1.3012	1.3012	.58787	.07661	.17554
#1	9.8531	.50044	-.01082	.49508	2.0408	9.9057	21.198	1.9558	.98883	.93496
#2	9.8479	.50027	-.01024	.48894	2.0229	10.090	21.592	1.9396	.98990	.93264
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98311	1.9365	1.9872	.50131	.48050	.49166
Stddev	.00127	.0124	.0157	.00034	.00188	.00852
%RSD	.12934	.64119	.78966	.06763	.39112	1.7327
#1	.98401	1.9452	1.9983	.50155	.48183	.48563
#2	.98221	1.9277	1.9761	.50107	.47917	.49768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6962.8	90120.	8285.5
Stddev	6.8	129.	27.5
%RSD	.09814	.14361	.33149
#1	6958.0	90211.	8266.1
#2	6967.6	90028.	8305.0

Sample Name: 280-46853-a-2-a Acquired: 9/26/2013 3:45:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00599**	**.00911**	**1.6482**	**.03026**	**.00001**	**-.00106**	**44.166**	**.00020**	**-.00014**
Stddev	.00040	.00019	.00375	.0016	.00040	.00006	.00027	.146	.00007	.00001
%RSD	5939.3	3.1722	41.123	.09462	1.3311	589.90	25.034	.33113	35.744	6.8704
#1	.00029	.00586	.01176	1.6471	.03054	.00006	-.00125	44.063	.00025	-.00013
#2	-.00028	.00612	.00646	1.6493	.02997	-.00003	-.00087	44.270	.00015	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00555**	**.00100**	**.01006**	**3.6675**	**.03245**	**26.204**	**.06763**	**.03202**	**297.06**	**.00231**
Stddev	.00019	.00039	.00018	.0411	.00087	.094	.00006	.00002	.32	.00029
%RSD	3.3585	38.695	1.7826	1.1220	2.6936	.35784	.08800	.05474	.10832	12.357
#1	.00542	.00127	.00993	3.6385	.03307	26.137	.06767	.03201	296.84	.00211
#2	.00569	.00072	.01019	3.6966	.03183	26.270	.06759	.03204	297.29	.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26583**	**.06555**	**89.012**	**-.00201**	**.00013**	**22.452**	**48.047**	**.00109**	**.46277**	**-.00172**
Stddev	.00087	.00045	.004	.00147	.00366	.086	.185	.00078	.00051	.00237
%RSD	.32611	.69226	.00500	72.867	2918.8	.38524	.38524	70.995	.10931	137.92
#1	.26522	.06523	89.008	-.00097	.00271	22.391	47.916	.00055	.46313	-.00004
#2	.26645	.06588	89.015	-.00305	-.00246	22.513	48.178	.00164	.46242	-.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00312**	**-.00179**	**.02947**	**.00381**	**.00062**
Stddev	.00012	.00032	.07812	.00038	.00014	.00041
%RSD	1048.7	10.266	4369.5	1.2732	3.7521	66.750
#1	-.00007	.00290	-.05703	.02921	.00370	.00091
#2	.00009	.00335	.05345	.02974	.00391	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6817.1**	**88336.**	**8334.2**
Stddev	19.5	623.	61.6
%RSD	.28642	.70568	.73932
#1	6803.3	88777.	8377.8
#2	6830.9	87895.	8290.7

Sample Name: 280-46853-a-2-aSD@5 Acquired: 9/26/2013 3:47:37 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.01591**	**.00300**	**.35353**	**.00612**	**-.00010**	**.00018**	**9.1357**	**-.00005**	**-.00002**
Stddev	.00069	.00011	.00079	.00013	.00033	.00009	.00013	.0087	.00023	.00006
%RSD	455.38	.70195	26.456	.03565	5.3283	87.473	76.386	.09554	433.68	278.70
#1	-.00034	.01583	.00356	.35344	.00635	-.00016	.00008	9.1295	-.00021	-.00006
#2	.00064	.01599	.00244	.35362	.00589	-.00004	.00027	9.1419	.00011	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**-.00018**	**.02611**	**.81976**	**.01023**	**5.5074**	**.01423**	**.00650**	**61.949**	**.00051**
Stddev	.00009	.00033	.00215	.04473	.00102	.0018	.00020	.00013	.103	.00027
%RSD	7.6627	184.21	8.2288	5.4566	9.9260	.03315	1.3766	1.9805	.16699	51.831
#1	.00124	.00005	.02460	.85139	.01095	5.5087	.01437	.00641	62.022	.00033
#2	.00111	-.00041	.02763	.78813	.00951	5.5061	.01409	.00659	61.876	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05466**	**.01419**	**18.034**	**.00091**	W **-.00510**	**4.5847**	**9.8113**	**.00017**	**.09592**	**-.00261**
Stddev	.00066	.00032	.054	.00039	.00012	.0004	.0009	.00036	.00043	.00225
%RSD	1.2136	2.2367	.30010	42.858	2.2946	.00912	.00912	215.65	.44370	86.403
#1	.05419	.01442	17.995	.00119	-.00502	4.5850	9.8119	.00043	.09562	-.00420
#2	.05513	.01397	18.072	.00064	-.00518	4.5844	9.8106	-.00009	.09622	-.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00249**	**-.00479**	**.00646**	**.00620**	**.00049**
Stddev	.00000	.00048	.02542	.00051	.00013	.00109
%RSD	2.4602	19.415	530.64	7.9270	2.0158	222.60
#1	.00017	.00215	.01318	.00609	.00629	.00127
#2	.00016	.00283	-.02277	.00682	.00612	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.3**	**90598.**	**8385.3**
Stddev	96.5	121.	72.3
%RSD	1.3828	.13372	.86230
#1	6909.0	90684.	8334.2
#2	7045.5	90512.	8436.4

Sample Name: 280-46853-a-2-b ms Acquired: 9/26/2013 3:49:56 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04944**	**1.8941**	**1.0863**	**2.6803**	**2.0628**	**.05008**	F **1.9813**	**95.202**	**.10542**	**.48844**
Stddev	.00040	.0033	.0027	.0070	.0037	.00012	.0004	.142	.00033	.00081
%RSD	.80085	.17397	.24460	.25968	.17855	.24492	.02161	.14884	.31320	.16656
#1	.04972	1.8964	1.0882	2.6754	2.0654	.05017	1.9816	95.302	.10519	.48787
#2	.04916	1.8918	1.0844	2.6852	2.0602	.05000	1.9810	95.101	.10565	.48902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20919**	**.25137**	**1.0096**	**56.694**	**1.0423**	**75.318**	**.56410**	**1.0283**	**356.26**	**.49958**
Stddev	.00051	.00141	.0026	.084	.0004	.024	.00092	.0004	.84	.00002
%RSD	.24181	.56150	.25514	.14775	.04329	.03160	.16322	.03965	.23558	.00405
#1	.20884	.25237	1.0115	56.634	1.0420	75.334	.56345	1.0286	355.66	.49957
#2	.20955	.25038	1.0078	56.753	1.0426	75.301	.56475	1.0280	356.85	.49960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.534**	**.56080**	**91.328**	**.49942**	**2.0726**	**33.096**	**70.825**	**1.9532**	**1.4897**	**.95755**
Stddev	.010	.00070	.188	.00151	.0056	.148	.316	.0048	.0018	.00010
%RSD	.09498	.12540	.20542	.30311	.26977	.44673	.44673	.24536	.11811	.01019
#1	10.542	.56030	91.195	.50049	2.0687	33.200	71.048	1.9498	1.4910	.95762
#2	10.527	.56130	91.460	.49835	2.0766	32.991	70.601	1.9566	1.4885	.95748
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0081**	**1.8349**	**2.0565**	**.54420**	**.49746**	**.50581**
Stddev	.0006	.0034	.0342	.00193	.00035	.00046
%RSD	.06033	.18811	1.6612	.35386	.06969	.09117
#1	1.0077	1.8324	2.0323	.54284	.49721	.50613
#2	1.0085	1.8373	2.0806	.54556	.49770	.50548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6722.8**	**86321.**	**8300.5**
Stddev	17.4	107.	3.7
%RSD	.25832	.12438	.04471
#1	6710.6	86245.	8297.8
#2	6735.1	86397.	8303.1

Sample Name: 280-46853-a-2-c msd Acquired: 9/26/2013 3:52:07 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04953**	**1.8791**	**1.0833**	**2.6802**	**2.0475**	**.04956**	F **1.9845**	**94.507**	**.10529**	**.48661**
Stddev	.00091	.0022	.0032	.0080	.0026	.00005	.0120	.083	.00008	.00095
%RSD	1.8374	.11736	.29335	.30052	.12617	.10646	.60592	.08821	.08015	.19441
#1	.04888	1.8775	1.0855	2.6745	2.0457	.04960	1.9760	94.566	.10523	.48594
#2	.05017	1.8806	1.0810	2.6859	2.0493	.04952	1.9930	94.448	.10535	.48728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20890**	**.25298**	**.98532**	**56.265**	**1.0341**	**74.747**	**.56278**	**1.0252**	**353.57**	**.49819**
Stddev	.00036	.00010	.00670	.021	.0006	.118	.00026	.0004	.37	.00146
%RSD	.17211	.03846	.67963	.03657	.05782	.15773	.04550	.04205	.10532	.29297
#1	.20865	.25291	.99005	56.280	1.0337	74.831	.56296	1.0255	353.83	.49715
#2	.20916	.25305	.98058	56.251	1.0345	74.664	.56260	1.0248	353.30	.49922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.487**	**.56010**	**91.239**	**.49642**	**2.0794**	**32.962**	**70.539**	**1.9396**	**1.4794**	**.95934**
Stddev	.010	.00030	.257	.00007	.0058	.081	.173	.0050	.0022	.00150
%RSD	.09573	.05419	.28145	.01319	.27727	.24458	.24458	.25580	.14667	.15608
#1	10.480	.56031	91.058	.49637	2.0753	33.019	70.661	1.9361	1.4778	.96039
#2	10.494	.55988	91.421	.49647	2.0835	32.905	70.417	1.9431	1.4809	.95828
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0046**	**1.8271**	**2.0331**	**.54160**	**.49246**	**.49648**
Stddev	.0002	.0055	.0033	.00102	.00243	.00459
%RSD	.01846	.29884	.16205	.18886	.49291	.92366
#1	1.0047	1.8232	2.0354	.54088	.49417	.49972
#2	1.0044	1.8310	2.0308	.54233	.49074	.49324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6767.3**	**88025.**	**8454.3**
Stddev	21.6	330.	26.2
%RSD	.31922	.37460	.31022
#1	6782.5	87792.	8435.7
#2	6752.0	88258.	8472.8

Sample Name: 280-46853-a-2-aPDS Acquired: 9/26/2013 3:54:20 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04803**	**.93154**	**.21119**	**1.7165**	**.12622**	**.04760**	**-.00096**	**62.411**	**.05018**	**.04752**
Stddev	.00019	.00309	.00065	.0016	.00033	.00039	.00072	.337	.00006	.00036
%RSD	.40210	.33165	.30662	.09356	.25895	.81106	75.117	.53947	.12136	.76370
#1	.04790	.92936	.21165	1.7153	.12598	.04732	-.00147	62.172	.05022	.04726
#2	.04817	.93372	.21074	1.7176	.12645	.04787	-.00045	62.649	.05014	.04777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05451**	**.04904**	**.95468**	**23.876**	**.12919**	**44.005**	**.11349**	**.07942**	**311.57**	**.05084**
Stddev	.00038	.00046	.00183	.141	.00137	.156	.00030	.00105	1.12	.00043
%RSD	.69335	.94205	.19199	.59117	1.0627	.35337	.26766	1.3264	.35936	.85137
#1	.05424	.04937	.95338	23.776	.13017	44.115	.11371	.07867	310.78	.05053
#2	.05478	.04871	.95597	23.976	.12822	43.895	.11328	.08016	312.36	.05114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2537**	**.15842**	**87.722**	**.09938**	**.19363**	**26.774**	**57.296**	**.09552**	**.50271**	**.18159**
Stddev	.0119	.00122	.074	.00091	.00482	.140	.301	.00241	.00079	.00279
%RSD	.52984	.76879	.08421	.91689	2.4877	.52471	.52471	2.5211	.15810	1.5386
#1	2.2452	.15755	87.669	.09873	.19023	26.675	57.084	.09382	.50214	.17961
#2	2.2621	.15928	87.774	.10002	.19704	26.873	57.509	.09722	.50327	.18357
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04851**	**.18098**	**.50204**	**.07807**	**.19843**	**.04626**
Stddev	.00042	.00220	.04126	.00027	.00198	.00016
%RSD	.85664	1.2148	8.2194	.34015	.99977	.34875
#1	.04822	.17942	.53122	.07826	.19984	.04638
#2	.04880	.18253	.47286	.07788	.19703	.04615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6909.1**	**89054.**	**8516.4**
Stddev	9.2	684.	110.8
%RSD	.13283	.76771	1.3011
#1	6915.6	88571.	8594.7
#2	6902.7	89537.	8438.0

Sample Name: 280-46853-a-4-a Acquired: 9/26/2013 3:56:37 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00347**	**.01989**	**1.9386**	**.04839**	**-.00002**	**-.00161**	**20.785**	**.00017**	**-.00016**
Stddev	.00016	.00054	.00359	.0031	.00004	.00008	.00249	.067	.00004	.00013
%RSD	46.834	15.536	18.033	.16030	.07957	445.60	154.72	.32313	22.635	84.835
#1	-.00023	.00309	.02242	1.9408	.04842	-.00008	.00015	20.738	.00014	-.00025
#2	-.00046	.00385	.01735	1.9364	.04837	.00004	-.00337	20.833	.00019	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00094**	**.01214**	**1.9664**	**.01579**	**12.834**	**.10380**	**.07332**	**230.83**	**.00527**
Stddev	.00012	.00007	.00079	.0157	.00077	.049	.00027	.00009	.10	.00029
%RSD	52.327	7.0545	6.5183	.79872	4.8597	.38316	.26212	.12906	.04472	5.5266
#1	.00015	.00099	.01270	1.9775	.01524	12.869	.10399	.07339	230.76	.00547
#2	.00032	.00090	.01158	1.9553	.01633	12.799	.10361	.07326	230.90	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39863**	**.25121**	**53.473**	**.00028**	**-.00341**	**22.596**	**48.355**	**.00039**	**.19429**	**-.00212**
Stddev	.00175	.00013	.034	.00057	.00398	.086	.184	.00025	.00076	.00039
%RSD	.43947	.05244	.06338	203.98	116.67	.38031	.38031	65.370	.38920	18.589
#1	.39739	.25111	53.497	-.00012	-.00060	22.535	48.224	.00021	.19375	-.00240
#2	.39987	.25130	53.449	.00069	-.00623	22.656	48.485	.00057	.19482	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00162**	**.02948**	**.04179**	**.00255**	**.00112**
Stddev	.00003	.00027	.00499	.00004	.00026	.00017
%RSD	11.507	16.951	16.932	.10679	10.303	14.943
#1	.00024	.00142	.02595	.04176	.00274	.00124
#2	.00028	.00181	.03301	.04182	.00236	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6993.1**	**90596.**	**8596.3**
Stddev	9.4	289.	3.5
%RSD	.13456	.31856	.04074
#1	6986.5	90392.	8598.8
#2	6999.8	90800.	8593.8

Sample Name: 280-46853-a-4-b ms Acquired: 9/26/2013 3:58:54 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04851**	**1.8811**	**1.0864**	**2.9703**	**2.0606**	**.04985**	F **1.9786**	**71.091**	**.10424**	**.48653**
Stddev	.00041	.0008	.0038	.0069	.0007	.00016	.0043	.020	.00054	.00020
%RSD	.84422	.04463	.35028	.23266	.03610	.31753	.21566	.02835	.51751	.04169
#1	.04880	1.8817	1.0891	2.9752	2.0601	.04996	1.9816	71.106	.10462	.48667
#2	.04822	1.8805	1.0837	2.9654	2.0611	.04974	1.9755	71.077	.10386	.48639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20311**	**.25176**	**.97637**	**54.218**	**1.0197**	**60.980**	**.59743**	**1.0586**	**289.54**	**.50084**
Stddev	.00009	.00043	.00536	.004	.0016	.061	.00035	.0022	.37	.00084
%RSD	.04586	.16903	.54941	.00660	.15771	.09924	.05933	.20895	.12866	.16692
#1	.20304	.25146	.97257	54.215	1.0186	61.023	.59768	1.0602	289.28	.50143
#2	.20318	.25206	.98016	54.220	1.0209	60.938	.59717	1.0571	289.81	.50025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.480**	**.74180**	**54.746**	**.49476**	**2.0549**	**33.409**	**71.494**	**1.9370**	**1.2034**	**.95122**
Stddev	.034	.00231	.181	.00153	.0047	.021	.044	.0042	.0002	.00194
%RSD	.32019	.31120	.33135	.30882	.22747	.06174	.06174	.21456	.01822	.20371
#1	10.504	.74017	54.875	.49368	2.0582	33.423	71.526	1.9399	1.2036	.95259
#2	10.457	.74343	54.618	.49584	2.0516	33.394	71.463	1.9341	1.2032	.94985
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99919**	**1.8363**	**2.0280**	**.55011**	**.49162**	**.50071**
Stddev	.00000	.0026	.0151	.00047	.00083	.00666
%RSD	.00020	.14128	.74309	.08507	.16911	1.3305
#1	.99919	1.8381	2.0386	.54978	.49103	.49600
#2	.99919	1.8344	2.0173	.55044	.49221	.50542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6873.8**	**88607.**	**8497.2**
Stddev	7.2	123.	102.8
%RSD	.10510	.13825	1.2102
#1	6868.7	88520.	8569.9
#2	6878.9	88694.	8424.5

Sample Name: 280-46853-a-4-c msd Acquired: 9/26/2013 4:01:06 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04921**	**1.8914**	**1.0942**	**2.9767**	**2.0758**	**.05016**	F **1.9904**	**71.565**	**.10534**	**.48898**
Stddev	.00070	.0028	.0032	.0003	.0067	.00028	.0020	.059	.00007	.00033
%RSD	1.4260	.14734	.29506	.01014	.32067	.56517	.10147	.08204	.06225	.06686
#1	.04872	1.8895	1.0919	2.9769	2.0711	.04996	1.9919	71.524	.10529	.48922
#2	.04971	1.8934	1.0964	2.9765	2.0805	.05037	1.9890	71.607	.10539	.48875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20441**	**.25242**	**.99296**	**54.783**	**1.0272**	**60.967**	**.59947**	**1.0666**	**289.62**	**.50444**
Stddev	.00010	.00055	.00159	.177	.0013	.028	.00020	.0005	.51	.00023
%RSD	.04839	.21638	.16009	.32229	.12464	.04598	.03344	.05097	.17718	.04555
#1	.20434	.25204	.99183	54.659	1.0263	60.948	.59962	1.0662	289.25	.50428
#2	.20448	.25281	.99408	54.908	1.0281	60.987	.59933	1.0670	289.98	.50460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.567**	**.74549**	**54.700**	**.49667**	**2.0700**	**33.533**	**71.760**	**1.9485**	**1.2107**	**.95298**
Stddev	.006	.00236	.037	.00170	.0005	.007	.014	.0002	.0037	.00226
%RSD	.05215	.31623	.06817	.34304	.02305	.02005	.02005	.01100	.30710	.23709
#1	10.563	.74716	54.674	.49546	2.0703	33.538	71.770	1.9486	1.2081	.95138
#2	10.571	.74383	54.726	.49787	2.0696	33.528	71.750	1.9483	1.2133	.95458
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0061**	**1.8533**	**2.0072**	**.55773**	**.49352**	**.50761**
Stddev	.0004	.0028	.0132	.00055	.00085	.00066
%RSD	.03450	.15086	.65498	.09904	.17322	.12988
#1	1.0059	1.8513	2.0165	.55812	.49412	.50714
#2	1.0064	1.8552	1.9979	.55734	.49291	.50807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6878.6**	**88125.**	**8410.1**
Stddev	7.3	104.	16.4
%RSD	.10661	.11776	.19459
#1	6883.8	88199.	8398.5
#2	6873.5	88052.	8421.7

Sample Name: CCVH-2271055 Acquired: 9/26/2013 4:03:17 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00411**	**49.223**	**.00594**	**.01529**	**.00089**	**.00006**	**.97756**	**.02685**	**.00020**	**-.00054**	**-.00058**	**-.00487**
Stddev	.00035	.041	.00025	.00064	.00010	.00002	.00537	.00899	.00002	.00017	.00010	.00040
%RSD	8.4973	.08250	4.2851	4.2147	10.953	34.673	.54890	33.499	7.6442	30.926	17.918	8.2761
#1	-.00387	49.194	.00576	.01574	.00082	.00004	.98135	.03321	.00019	-.00066	-.00066	-.00459
#2	-.00436	49.251	.00612	.01483	.00096	.00007	.97377	.02049	.00021	-.00042	-.00051	-.00516
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.844**	**.32706**	**.00467**	**-.06934**	**-.00040**	**.00053**	**256.67**	**.00018**	**.00298**	**.00066**	**4.8211**	**.00190**
Stddev	.858	.00605	.00179	.00035	.00001	.00012	1.56	.00005	.00034	.00004	.0119	.00001
%RSD	1.7940	1.8496	38.350	.50095	2.9636	23.021	.60926	27.534	11.580	6.6190	.24678	.51114
#1	47.237	.33133	.00593	-.06909	-.00039	.00044	255.57	.00015	.00322	.00069	4.8295	.00190
#2	48.451	.32278	.00340	-.06958	-.00041	.00061	257.78	.00022	.00273	.00063	4.8127	.00191
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00489**	**.02876**	**.06155**	**.00212**	**.00069**	W **4.6399**	**.00597**	**.00126**	**9.7121**	**.00053**	**.00016**	**-.02455**
Stddev	.00511	.00990	.02118	.00062	.00003	.0215	.00006	.00015	.0013	.00035	.00055	.00134
%RSD	104.67	34.409	34.409	29.019	4.0639	.46329	.92422	11.906	.01361	67.180	338.91	5.4431
#1	-.00850	.03576	.07652	.00169	.00071	4.6247	.00594	.00137	9.7130	.00028	.00055	-.02549
#2	-.00127	.02176	.04657	.00256	.00067	4.6551	.00601	.00115	9.7111	.00078	-.00023	-.02360
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7024.3**	**90613.**	**8466.4**
Stddev	32.9	458.	79.5
%RSD	.46822	.50497	.93864
#1	7001.0	90937.	8522.6
#2	7047.5	90290.	8410.2

Sample Name: CCV-2271054 Acquired: 9/26/2013 4:05:35 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50403**	F **.58348**	**1.0218**	**.52031**	**.49550**	**.48760**	**.00162**	**4.9803**	**.50876**	**.50220**	**.51035**	**.49967**	**2.4568**
Stddev	.00016	.00120	.0030	.00173	.00057	.00037	.00124	.0047	.00044	.00084	.00119	.00154	.0060
%RSD	.03209	.20548	.29206	.33210	.11491	.07511	76.727	.09398	.08745	.16806	.23314	.30848	.24573
#1	.50392	.58432	1.0240	.52153	.49591	.48785	.00250	4.9769	.50907	.50279	.51119	.49858	2.4610
#2	.50415	.58263	1.0197	.51909	.49510	.48734	.00074	4.9836	.50844	.50160	.50950	.50076	2.4525
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.320**	**1.0011**	**19.260**	**.49433**	**.49273**	**5.2035**	**.51226**	**.97818**	**1.0365**	**.00989**	**.97133**	**1.0209**	**4.9758**
Stddev	.079	.0027	.036	.00043	.00372	.0145	.00004	.00551	.0070	.00201	.00687	.0025	.0413
%RSD	.15348	.27347	.18863	.08670	.75439	.27884	.00801	.56345	.67829	20.331	.70733	.24542	.82922
#1	51.264	1.0031	19.234	.49402	.49536	5.2138	.51228	.98208	1.0414	.01131	.97619	1.0227	4.9466
#2	51.375	.99921	19.286	.49463	.49010	5.1932	.51223	.97428	1.0315	.00847	.96647	1.0192	5.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.648**	**.98706**	**.49501**	**-.00382**	**.48904**	**1.0134**	**-.02072**	**.49974**	**.48925**	**.49437**
Stddev	.088	.00091	.00027	.00018	.00025	.0024	.03821	.00170	.00108	.00250
%RSD	.82922	.09259	.05470	4.7336	.05189	.23974	184.43	.34006	.22146	.50669
#1	10.586	.98770	.49520	-.00395	.48887	1.0151	-.04773	.50095	.48848	.49260
#2	10.711	.98641	.49482	-.00370	.48922	1.0117	.00630	.49854	.49001	.49614
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7183.0**	**93124.**	**8546.3**
Stddev	34.0	214.	40.2
%RSD	.47307	.22976	.47016
#1	7158.9	92972.	8574.7
#2	7207.0	93275.	8517.9

Sample Name: CCB Acquired: 9/26/2013 4:07:42 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00763**	**.00085**	F **.00814**	**.00006**	**.00012**	**.00102**	**.00248**	**-.00002**	**.00016**	**.00023**	**-.00018**	**.00227**
Stddev	.00031	.00892	.00081	.00052	.00014	.00006	.00359	.00224	.00015	.00001	.00008	.00028	.00060
%RSD	75.757	116.99	95.513	6.4012	246.25	47.144	350.50	90.348	687.13	6.0977	33.871	156.10	26.640
#1	.00063	.00132	.00028	.00777	-.00004	.00016	-.00151	.00406	-.00013	.00015	.00017	.00002	.00270
#2	.00019	.01394	.00143	.00851	.00016	.00008	.00356	.00090	.00008	.00016	.00028	-.00038	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700									
Low Limit				-.00700									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13450**	**.00044**	**.00408**	**.00006**	**.00074**	**.05864**	**.00028**	**.00035**	**-.00015**	**.01619**	F **.01429**	**-.00423**	**.01254**
Stddev	.02439	.00218	.00373	.00002	.00012	.00351	.00012	.00175	.00009	.00710	.00411	.00186	.01029
%RSD	18.133	499.66	91.518	30.355	16.671	5.9782	44.316	500.72	62.942	43.825	28.798	44.021	82.093
#1	.15174	.00198	.00144	.00005	.00065	.05616	.00019	-.00089	-.00008	.01117	.01138	-.00292	.01981
#2	.11725	-.00111	.00672	.00007	.00082	.06112	.00036	.00159	-.00021	.02121	.01720	-.00555	.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02683**	**.00123**	**.00015**	**-.00037**	**-.00013**	**.00147**	**-.00089**	**.00022**	**.00151**	**.00115**
Stddev	.02202	.00081	.00005	.00019	.00031	.00040	.02346	.00004	.00015	.00206
%RSD	82.093	65.404	34.208	51.672	246.86	26.802	2645.4	17.674	9.6208	179.51
#1	.04240	.00066	.00018	-.00051	-.00034	.00175	-.01748	.00024	.00141	-.00031
#2	.01125	.00180	.00011	-.00024	.00009	.00119	.01570	.00019	.00161	.00261
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7200.4**	**93934.**	**8454.1**
Stddev	10.9	136.	23.7
%RSD	.15187	.14471	.28008
#1	7192.7	93838.	8470.9
#2	7208.2	94030.	8437.4

Sample Name: CCVL2271034 Acquired: 9/26/2013 4:09:59 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00956**	**.10413**	**.01682**	**.10304**	**.00983**	**.00096**	**.10981**	**.21321**	**.00510**	**.01039**	**.01045**	**.01459**	**.10384**
Stddev	.00026	.00006	.00012	.00066	.00020	.00005	.00175	.00432	.00008	.00014	.00002	.00021	.00463
%RSD	2.7404	.05809	.70628	.63591	2.0105	5.2584	1.5965	2.0238	1.5550	1.3534	.19774	1.4545	4.4591
#1	.00974	.10409	.01673	.10350	.00969	.00092	.10857	.21016	.00516	.01049	.01046	.01444	.10057
#2	.00937	.10418	.01690	.10257	.00997	.00100	.11105	.21626	.00505	.01029	.01043	.01474	.10711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1112**	**.01222**	**.19863**	**.00999**	**.01919**	**1.0665**	**.04143**	**2.7871**	**.00898**	**.00819**	**.01059**	F **.00793**	**.48640**
Stddev	.0019	.00114	.00066	.00005	.00021	.0251	.00026	.0171	.00032	.00197	.00114	.00159	.00449
%RSD	.06100	9.2919	.33440	.47789	1.0743	2.3580	.62627	.61422	3.5676	24.087	10.722	20.051	.92283
#1	3.1125	.01303	.19816	.00996	.01905	1.0488	.04161	2.7992	.00876	.00679	.01139	.00680	.48957
#2	3.1098	.01142	.19910	.01003	.01934	1.0843	.04124	2.7750	.00921	.00958	.00979	.00905	.48323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**.09962**	**.00998**	**.01304**	**.00928**	**.01644**	**.05709**	**.00997**	**.02170**	**.01416**
Stddev	.0096	.00090	.00006	.00237	.00020	.00023	.02278	.00032	.00006	.00090
%RSD	.92283	.90790	.62348	18.176	2.1025	1.3784	39.904	3.1795	.29858	6.3334
#1	1.0477	.10026	.00993	.01472	.00942	.01660	.04098	.00975	.02165	.01479
#2	1.0341	.09898	.01002	.01137	.00915	.01628	.07319	.01020	.02174	.01352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7265.2**	**94191.**	**8442.5**
Stddev	17.1	446.	12.9
%RSD	.23602	.47337	.15223
#1	7277.4	94506.	8433.4
#2	7253.1	93876.	8451.6

Sample Name: 280-46853-a-6-a Acquired: 9/26/2013 4:12:17 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00571**	**.05709**	**1.9062**	**.03649**	**.00003**	**-.00126**	**22.051**	**.00026**	**.00020**
Stddev	.00092	.00046	.00194	.0003	.00019	.00001	.00183	.130	.00001	.00004
%RSD	211.64	7.9786	3.3959	.01523	.51020	37.473	144.78	.58896	4.7545	21.443
#1	.00109	.00603	.05572	1.9060	.03636	.00004	-.00255	22.143	.00027	.00023
#2	-.00022	.00539	.05846	1.9064	.03663	.00002	.00003	21.960	.00025	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00095**	**.00910**	**1.5047**	**.01797**	**14.510**	**.27501**	**.01734**	**234.47**	**.00697**
Stddev	.00006	.00002	.00451	.0458	.00106	.047	.00076	.00022	.46	.00021
%RSD	22.812	2.5392	49.520	3.0453	5.8772	.32614	.27525	1.2959	.19521	3.0781
#1	.00032	.00097	.00592	1.5371	.01722	14.543	.27555	.01718	234.79	.00682
#2	.00023	.00094	.01229	1.4723	.01871	14.476	.27448	.01750	234.14	.00713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53588**	**.01278**	**56.891**	**-.00039**	W **-.00503**	**21.283**	**45.547**	**.00071**	**.19827**	**-.00237**
Stddev	.00524	.00035	.075	.00061	.00295	.148	.317	.00011	.00045	.00346
%RSD	.97734	2.7410	.13107	156.81	58.650	.69506	.69506	15.413	.22916	146.19
#1	.53958	.01302	56.943	.00004	-.00294	21.388	45.770	.00063	.19859	-.00481
#2	.53217	.01253	56.838	-.00082	-.00711	21.179	45.323	.00078	.19795	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00194**	**.00226**	**.04164**	**.00282**	**.00122**
Stddev	.00002	.00064	.01499	.00026	.00028	.00137
%RSD	12.366	33.058	663.95	.63001	9.7819	112.64
#1	-.00016	.00240	.01286	.04183	.00262	.00219
#2	-.00019	.00149	-.00834	.04146	.00301	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.6**	**89880.**	**8532.1**
Stddev	54.0	65.	93.8
%RSD	.77324	.07242	1.0998
#1	6939.5	89926.	8465.7
#2	7015.8	89834.	8598.5

Sample Name: 280-46853-a-9-a Acquired: 9/26/2013 4:14:35 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00577**	**.00356**	**1.2489**	**.02998**	**-.00003**	**-.00021**	**106.57**	**.00057**	**.00299**
Stddev	.00005	.00005	.00354	.0024	.00013	.00006	.00030	.10	.00031	.00003
%RSD	11.324	.83546	99.523	.19360	.42708	206.11	139.33	.09334	54.370	1.1141
#1	.00039	.00581	.00105	1.2472	.03007	-.00008	.00000	106.64	.00079	.00301
#2	.00046	.00574	.00606	1.2506	.02989	.00001	-.00042	106.50	.00035	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00660**	**.00273**	**.24220**	**6.0278**	**.07675**	**61.568**	**.41647**	**.00902**	**307.02**	**.12866**
Stddev	.00002	.00042	.00029	.0084	.00174	.004	.00034	.00043	.42	.00017
%RSD	.33656	15.519	.11958	.13934	2.2637	.00628	.08227	4.7668	.13728	.12981
#1	.00658	.00243	.24199	6.0219	.07552	61.565	.41623	.00871	306.72	.12878
#2	.00661	.00303	.24240	6.0338	.07798	61.571	.41672	.00932	307.31	.12855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05686**	**-.00016**	**176.49**	**-.00123**	**.00561**	**23.529**	**50.353**	**.00024**	**1.0397**	**-.00198**
Stddev	.00074	.00136	.11	.00043	.00089	.189	.404	.00061	.0005	.00069
%RSD	1.3053	851.61	.06413	34.675	15.842	.80178	.80178	248.94	.04712	35.121
#1	.05633	-.00113	176.57	-.00154	.00498	23.663	50.639	-.00019	1.0393	-.00247
#2	.05738	.00080	176.41	-.00093	.00623	23.396	50.068	.00067	1.0400	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00166**	**-.01069**	**.01194**	**.00332**	**.00052**
Stddev	.00023	.00054	.04161	.00064	.00039	.00000
%RSD	137.17	32.207	389.07	5.3389	11.678	.54556
#1	-.00001	.00128	.01873	.01149	.00304	.00052
#2	-.00034	.00204	-.04011	.01239	.00359	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6777.8**	**88096.**	**8468.5**
Stddev	26.8	205.	1.0
%RSD	.39579	.23285	.01189
#1	6796.8	87951.	8469.2
#2	6758.8	88241.	8467.8

Sample Name: 280-46853-a-12-a Acquired: 9/26/2013 4:16:57 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00973**	**.01524**	**.78841**	**.01427**	**-.00002**	**-.00197**	**10.246**	**.00013**	**-.00023**
Stddev	.00028	.00003	.00207	.00024	.00048	.00005	.00065	.008	.00003	.00013
%RSD	26.405	.30262	13.599	.03006	3.3473	280.10	32.851	.07347	25.766	58.340
#1	.00085	.00971	.01378	.78824	.01394	.00002	-.00151	10.251	.00015	-.00032
#2	.00124	.00975	.01671	.78858	.01461	-.00005	-.00243	10.241	.00011	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.00059**	**.01466**	**4.2985**	**.01008**	**4.9981**	**.02474**	**.00200**	**25.243**	**.00042**
Stddev	.00002	.00027	.00359	.0446	.00195	.0073	.00003	.00004	.070	.00009
%RSD	2.7327	46.583	24.473	1.0383	19.344	.14556	.11526	1.8164	.27738	20.180
#1	.00075	.00078	.01719	4.3301	.01146	4.9929	.02476	.00202	25.293	.00036
#2	.00078	.00039	.01212	4.2669	.00870	5.0032	.02472	.00197	25.194	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2743**	**-.00131**	**4.2748**	**-.00184**	**-.00336**	**26.794**	**57.340**	**.00034**	**.08897**	**-.00037**
Stddev	.0080	.00090	.0005	.00125	.00059	.007	.016	.00028	.00038	.00090
%RSD	.62458	69.290	.01159	67.650	17.524	.02761	.02761	83.085	.43094	241.23
#1	1.2799	-.00067	4.2744	-.00096	-.00377	26.789	57.328	.00014	.08924	-.00101
#2	1.2687	-.00195	4.2751	-.00273	-.00294	26.799	57.351	.00054	.08870	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00167**	**.00774**	**.03105**	**.00318**	**.00103**
Stddev	.00022	.00103	.03051	.00011	.00032	.00028
%RSD	99.022	61.876	394.06	.35374	9.9842	26.832
#1	.00007	.00094	.02931	.03113	.00296	.00083
#2	.00037	.00240	-.01383	.03097	.00341	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7237.1**	**95009.**	**8708.1**
Stddev	6.3	139.	35.6
%RSD	.08720	.14584	.40866
#1	7232.6	95107.	8682.9
#2	7241.5	94911.	8733.2

Sample Name: 280-46853-a-14-a Acquired: 9/26/2013 4:19:16 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00189**	**.00952**	**1.8839**	**.04158**	**-.00001**	**-.00148**	**180.51**	**.00107**	**.00021**
Stddev	.00002	.00057	.00286	.0044	.00048	.00001	.00193	2.16	.00024	.00000
%RSD	19.099	30.415	30.002	.23397	1.1434	92.700	130.77	1.1990	22.824	2.1341
#1	-.00013	.00148	.00750	1.8807	.04192	-.00002	-.00284	182.04	.00124	.00021
#2	-.00010	.00229	.01154	1.8870	.04124	.00000	-.00011	178.98	.00089	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00131**	**.07816**	**10.974**	**.10870**	**77.650**	**.93606**	**.01064**	W **527.67**	**.00010**
Stddev	.00011	.00027	.00222	.018	.00082	.192	.00104	.00061	3.64	.00020
%RSD	138.32	20.431	2.8412	.16261	.75843	.24750	.11163	5.7314	.69055	199.26
#1	.00000	.00150	.07973	10.986	.10928	77.514	.93532	.01021	530.24	.00025
#2	.00015	.00112	.07659	10.961	.10812	77.786	.93679	.01107	525.09	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08059**	**.38518**	F **208.85**	**-.00206**	**.00280**	**18.677**	**39.968**	**.00029**	**3.2007**	**-.00120**
Stddev	.00054	.00058	.40	.00213	.00155	.060	.129	.00062	.0225	.00064
%RSD	.67048	.14937	.19346	103.56	55.536	.32266	.32266	214.80	.70378	53.588
#1	.08097	.38477	208.56	-.00356	.00389	18.719	40.059	-.00015	3.2166	-.00166
#2	.08021	.38559	209.14	-.00055	.00170	18.634	39.877	.00073	3.1847	-.00075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00347**	W **-.05109**	**.00771**	**.00600**	**.00165**
Stddev	.00009	.00114	.01764	.00012	.00031	.00098
%RSD	85.705	32.974	34.532	1.5606	5.1424	59.426
#1	-.00018	.00427	-.03862	.00780	.00622	.00096
#2	-.00004	.00266	-.06357	.00763	.00578	.00234
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6638.6**	**85553.**	**8291.8**
Stddev	6.0	87.	73.3
%RSD	.09059	.10123	.88348
#1	6634.4	85492.	8240.0
#2	6642.9	85614.	8343.6

Sample Name: 280-46853-a-17-a Acquired: 9/26/2013 4:21:44 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.01337**	**.00347**	**.00970**	**.00005**	**-.00011**	**.00042**	**.31409**	**-.00015**	**.00006**
Stddev	.00056	.00022	.00169	.00024	.00001	.00003	.00022	.20218	.00000	.00000
%RSD	920.35	1.6553	48.642	2.4490	14.477	27.326	51.276	64.370	2.6010	7.8632
#1	.00046	.01321	.00228	.00954	.00005	-.00008	.00058	.17113	-.00016	.00006
#2	-.00034	.01352	.00467	.00987	.00006	-.00013	.00027	.45705	-.00015	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00024**	**.00449**	**.14990**	**-.00037**	**.01503**	**.00042**	**.00015**	**.97020**	**.00074**
Stddev	.00016	.00021	.00136	.03566	.00157	.00183	.00002	.00018	.54109	.00033
%RSD	43.200	85.752	30.197	23.787	428.54	12.203	4.6070	124.87	55.771	45.472
#1	.00048	.00010	.00353	.12469	-.00148	.01633	.00043	.00002	.58760	.00097
#2	.00025	.00039	.00545	.17511	.00075	.01373	.00041	.00028	1.3528	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**-.00034**	**.05047**	**.00026**	W **-.00880**	**.04269**	**.09136**	**.00066**	**.00472**	**-.00174**
Stddev	.00063	.00031	.00320	.00006	.00149	.03910	.08367	.00007	.00357	.00190
%RSD	114.45	91.918	6.3413	22.626	16.975	91.580	91.580	10.821	75.503	109.25
#1	-.00099	-.00056	.05274	.00022	-.00985	.01505	.03220	.00071	.00220	-.00040
#2	-.00010	-.00012	.04821	.00030	-.00774	.07034	.15053	.00061	.00725	-.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00090**	**-.00769**	**.00001**	**.00463**	**.00050**
Stddev	.00021	.00087	.04264	.00010	.00074	.00072
%RSD	98.114	95.666	554.47	683.27	16.084	144.05
#1	-.00036	.00152	-.03785	.00009	.00515	-.00001
#2	-.00006	.00029	.02246	-.00006	.00410	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7306.4**	**96997.**	**8596.3**
Stddev	1.0	790.	3.7
%RSD	.01318	.81462	.04285
#1	7305.7	97556.	8593.7
#2	7307.0	96439.	8598.9

Sample Name: 280-46920-a-2-a Acquired: 9/26/2013 4:24:01 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00542**	**.00533**	**1.3118**	**.06763**	**-.00007**	**.00034**	**29.784**	**.00022**	**.00034**
Stddev	.00036	.00015	.00127	.0032	.00089	.00004	.00091	.020	.00011	.00014
%RSD	81.084	2.7515	23.748	.24119	1.3219	49.981	267.99	.06872	47.915	40.962
#1	.00069	.00531	.00623	1.3095	.06826	-.00005	-.00030	29.769	.00015	.00044
#2	.00019	.00552	.00444	1.3140	.06700	-.00010	.00099	29.798	.00030	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00077**	**.03435**	**3.7633**	**.01758**	**15.577**	**.29625**	**.02853**	**220.07**	**.00601**
Stddev	.00006	.00100	.00146	.0170	.00061	.001	.00025	.00008	.59	.00016
%RSD	20.674	129.45	4.2365	.45263	3.4478	.00919	.08379	.29286	.26738	2.7311
#1	.00036	.00148	.03538	3.7754	.01801	15.576	.29607	.02847	220.49	.00612
#2	.00027	.00007	.03332	3.7513	.01715	15.578	.29642	.02859	219.65	.00589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33365**	**-.00147**	**40.309**	**-.00276**	W **-.00581**	**14.910**	**31.908**	**-.00011**	**.30022**	**-.00361**
Stddev	.00578	.00083	.039	.00126	.00103	.047	.101	.00090	.00090	.00136
%RSD	1.7317	56.662	.09755	45.764	17.665	.31545	.31545	848.19	.30008	37.581
#1	.32957	-.00088	40.282	-.00365	-.00508	14.943	31.979	-.00074	.29959	-.00265
#2	.33774	-.00206	40.337	-.00187	-.00653	14.877	31.837	.00053	.30086	-.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00219**	**-.01559**	**.00807**	**.00249**	**.00197**
Stddev	.00039	.00086	.00975	.00038	.00010	.00162
%RSD	394.83	39.524	62.541	4.7083	4.1441	82.163
#1	.00037	.00280	-.02248	.00780	.00242	.00083
#2	-.00018	.00158	-.00869	.00834	.00256	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6991.7**	**90217.**	**8513.0**
Stddev	2.7	506.	130.1
%RSD	.03870	.56040	1.5288
#1	6993.6	89860.	8420.9
#2	6989.7	90575.	8605.0

Sample Name: 280-46920-a-4-a Acquired: 9/26/2013 4:26:20 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00514**	**.01743**	**1.7070**	**.03372**	**.00001**	**-.00159**	**26.743**	**.00028**	**.00092**
Stddev	.00097	.00013	.00238	.0001	.00013	.00005	.00112	.053	.00004	.00011
%RSD	288.12	2.4733	13.637	.00481	.37966	751.64	70.699	.19722	15.272	11.995
#1	-.00035	.00523	.01911	1.7071	.03363	.00004	-.00079	26.705	.00025	.00085
#2	.00102	.00505	.01575	1.7070	.03381	-.00003	-.00238	26.780	.00031	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00144**	**.01342**	**1.8210**	**.02085**	**16.630**	**.14438**	**.03087**	**206.88**	**.02261**
Stddev	.00006	.00033	.00030	.0245	.00067	.036	.00011	.00011	.85	.00019
%RSD	20.610	22.679	2.2642	1.3433	3.2215	.21448	.07765	.35913	.40966	.85646
#1	.00034	.00121	.01320	1.8383	.02038	16.656	.14430	.03079	206.28	.02247
#2	.00026	.00167	.01363	1.8037	.02133	16.605	.14445	.03095	207.48	.02274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35611**	**.11433**	**48.256**	**.00159**	W **-.00615**	**22.390**	**47.914**	**.00098**	**.31270**	**-.00095**
Stddev	.00083	.00023	.007	.00097	.00363	.169	.361	.00040	.00094	.00118
%RSD	.23270	.19823	.01381	60.898	59.046	.75336	.75336	40.577	.30186	124.67
#1	.35670	.11417	48.251	.00228	-.00359	22.271	47.659	.00070	.31203	-.00011
#2	.35553	.11449	48.260	.00091	-.00872	22.509	48.170	.00126	.31337	-.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00108**	**.00932**	**.03839**	**.00402**	**-.00164**
Stddev	.00001	.00062	.01510	.00030	.00030	.00055
%RSD	5.8692	57.210	161.95	.78900	7.4700	33.798
#1	.00019	.00064	-.00135	.03818	.00381	-.00203
#2	.00017	.00151	.02000	.03861	.00424	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7021.5**	**91143.**	**8521.8**
Stddev	14.9	319.	3.3
%RSD	.21288	.35010	.03839
#1	7032.1	90917.	8519.5
#2	7010.9	91368.	8524.1

Sample Name: 280-46921-a-2-a Acquired: 9/26/2013 4:28:38 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00017	sW -.05130	sW -.01618	sF -.36322	k .00436	k -.00002	s .04614	k 2.4483	s .00210	s .00224
Stddev	.00016	.07571	.02911	.55347	.00399	.00002	.05708	1.9834	.00326	.00277
%RSD	94.518	147.58	179.92	152.38	91.431	156.67	123.69	81.010	155.28	123.26
#1	.00006	.00224	.00440	.02814	.00718	-.00003	.00579	3.8508	-.00021	.00029
#2	k .00029	s -.10484	s -.03676	s -.75458	k .00154	k .00000	s .08650	k 1.0459	s .00440	s .00420
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	10.000	100.00						
Low Limit		-.05000	-.01000	-.02000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .00244	k -.00406	.00587	.23870	k .00407	^ *****	^ *****	s -.00401	3.5714	s -.00597
Stddev	.00310	.00044	.00370	.18418	.00134	-----	-----	.00632	2.8272	.00982
%RSD	127.15	10.834	63.016	77.159	32.960	-----	-----	157.53	79.161	164.48
#1	.00025	-.00437	.00848	.36893	.00502	.56727	.05120	.00046	5.5705	.00097
#2	s .00463	k -.00374	.00325	.10847	k .00312	^ -----	^ -----	s -.00849	1.5723	s -.01292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sW -1.2762	sF -11.264	sF -19.687	sF -.04977	s .00443	k 2.8389	k 6.0752	s -.01442	.01906	k .00541
Stddev	1.9500	17.221	30.046	.06624	.01867	2.2221	4.7552	.02064	.01495	.00091
%RSD	152.80	152.89	152.62	133.08	421.17	78.273	78.273	143.10	78.428	16.843
#1	.10271	.9136	1.5586	-.00293	-.00877	4.4101	9.4376	.00017	.02963	.00477
#2	s -2.6551	s -23.441	s -40.933	s -.09661	s .01763	k 1.2676	k 2.7127	s -.02902	.00849	k .00606
Check ?	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	200.00	200.00	50.000						
Low Limit	-1.0000	-.00600	-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00054	s .02128	k -.02090	k .00005	k .00084	k .00213
Stddev	.00011	.02567	.04073	.00094	.00038	.00072
%RSD	20.161	120.60	194.86	2038.2	45.561	33.655
#1	.00046	.00313	.00790	-.00062	.00057	.00264
#2	k .00061	s .03943	k -.04970	k .00071	k .00111	k .00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	155300.	12390.
Stddev	-----	5392.	404.
%RSD	-----	3.4721	3.2613
#1	11972.	151490.	12104.
#2	^ -----	159110.	12676.

Sample Name: 280-46921-a-4-a Acquired: 9/26/2013 4:30:58 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00069**	sW **-.07826**	sW **-.01080**	sF **-1.8803**	k **.00371**	k **-.00012**	s **.04722**	^ *****	s **.00388**	s **.00198**
Stddev	.00117	.11323	.02353	2.9145	.00341	.00009	.06205	-----	.00555	.00260
%RSD	169.90	144.67	217.83	155.00	91.851	75.990	131.40	-----	142.91	131.17
#1	s .00152	.00180	k .00584	k .18057	k .00612	k -.00019	k .00335	^ -----	k -.00004	k .00014
#2	k -.00014	s -.15833	s -.02745	s -3.9411	k .00130	k -.00006	s .09109	^ -----	s .00781	s .00382
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	10.000	100.00						
Low Limit		-.05000	-.01000	-.02000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00433**	s **-.00414**	**.00203**	**1.1955**	k **.00954**	^ *****	^ *****	sW **-.01198**	**46.984**	s **.00797**
Stddev	.00577	.00111	.00183	.9064	.00490	-----	-----	.01859	28.776	.01132
%RSD	133.43	26.714	90.214	75.814	51.354	-----	-----	155.13	61.246	142.10
#1	k .00024	s -.00492	.00073	1.8364	k .01300	s 2.6605	s .01581	k .00116	67.332	k -.00004
#2	s .00841	k -.00336	.00332	.55462	k .00608	^ -----	^ -----	s -.02513	26.636	s .01597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								5.0000		
Low Limit								-.01000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.14789**	sF **-.13234**	^ *****	sF **-.03143**	sF **-.07756**	k **3.7433**	k **8.0106**	s **-.01658**	^ *****	s **.00525**
Stddev	.23293	.20533	-----	.04215	.10032	2.4658	5.2768	.02240	-----	.00128
%RSD	157.50	155.16	-----	134.13	129.33	65.872	65.872	135.13	-----	24.373
#1	k .01682	k .01285	^ -----	k -.00162	k -.00663	k 5.4868	k 11.742	k -.00074	^ -----	s .00616
#2	s -.31259	s -.27753	^ -----	s -.06123	s -.14850	k 1.9997	k 4.2793	s -.03242	^ -----	k .00435
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		200.00		50.000	50.000					
Low Limit		-.00600		-.02000	-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00043**	s **.02473**	s **-.01491**	s **.00110**	s **.00059**	k **-.00256**
Stddev	.00007	.03136	.02760	.00160	.00014	.00404
%RSD	15.992	126.84	185.11	145.29	24.126	157.74
#1	s .00048	k .00255	s -.03442	s -.00003	s .00049	k -.00542
#2	k .00038	s .04690	k .00461	k .00223	k .00069	k .00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	**9514.4**
Stddev	-----	-----	5408.4
%RSD	-----	-----	56.844
#1	8664.5	^ -----	5690.1
#2	^ -----	144950.	13339.

Sample Name: CCVH-2271055 Acquired: 9/26/2013 4:33:52 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00001**	kF **.19576**	s **-.00062**	s **-.06586**	k **-.00067**	k **-.00003**	sF **-1.1700**	k **.00069**	s **.00464**	s **.00209**	s **.00709**
Stddev	.00015	.02382	.00354	.09759	.00009	.00006	1.8015	.00079	.00690	.00245	.00969
%RSD	1557.7	12.169	569.82	148.19	12.846	170.23	153.98	114.75	148.87	116.89	136.80
#1	k .00012	.17891	s -.00312	s -.13487	k -.00061	k .00001	s -2.4438	k .00125	s .00952	s .00382	s .01394
#2	k -.00010	k .21260	k .00188	k .00315	k -.00073	k -.00007	k .10389	k .00013	k -.00024	k .00036	k .00023
Check ?	None	Chk Fail	None	None	None	None	Chk Fail	None	None	None	None
Value		50.000					1.0000				
Range		-10.490%					-10.490%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00373**	F **.00183**	**-.02044**	k **.00012**	k **-.00764**	k **-.00002**	s **.00212**	**.02322**	s **.00694**	s **.02099**	s **-.02037**
Stddev	.00059	.00082	.01508	.00123	.01623	.00009	.00336	.01609	.00927	.02580	.03019
%RSD	15.754	44.918	73.774	993.55	212.27	368.08	158.85	69.298	133.48	122.93	148.17
#1	k -.00414	.00125	-.00978	k -.00075	k .00383	k .00004	s .00450	.03460	s .01350	s .03924	s -.04172
#2	k -.00331	.00241	-.03111	.00100	k -.01912	k -.00008	k -.00026	.01184	k .00039	k .00274	k .00097
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **-5.9968**	s **-.04029**	s **.01885**	k **-.01049**	k **-.02245**	s **-.02118**	**-.00004**	kF **.15855**	k **.00114**	s **.02981**	kF **.27304**
Stddev	9.1525	.05261	.03471	.00234	.00502	.02959	.00007	.20428	.00071	.03858	.40493
%RSD	152.62	130.60	184.10	22.354	22.354	139.68	187.34	128.84	61.781	129.42	148.30
#1	s -12.469	s -.07749	s .04340	k -.01215	k -.02600	s -.04210	-.00009	k .01410	k .00064	s .05708	k -.01329
#2	k .4750	k -.00308	k -.00569	k -.00883	k -.01890	k -.00026	.00001	k .30300	k .00164	k .00253	k .55937
Check ?	Chk Fail	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail
Value	5.0000							5.0000			10.000
Range	-10.490%							-10.490%			-10.490%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **-.00065**	k **.00017**	k **.00220**
Stddev	.00017	.00030	.00064
%RSD	26.246	175.01	29.120
#1	k -.00076	k -.00004	k .00174
#2	k -.00053	k .00038	k .00265
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**202320.**	**15899.**
Stddev	-----	58358.	2789.
%RSD	-----	28.844	17.539
#1	^ -----	243590.	13927.
#2	11015.	161060.	17870.

Sample Name: CCV-2271054 Acquired: 9/26/2013 4:36:46 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51291**	**.51818**	**1.0272**	**.52269**	**.50456**	**.49880**	**.00308**	**5.1011**	**.51295**	**.50483**	**.51473**	**.51051**	**2.5094**
Stddev	.00198	.00052	.0024	.00088	.00233	.00057	.00169	.0220	.00217	.00131	.00159	.00417	.0111
%RSD	.38613	.09990	.22902	.16916	.46179	.11524	54.791	.43068	.42231	.25868	.30857	.81774	.44072
#1	.51431	.51854	1.0288	.52331	.50291	.49839	.00189	5.0856	.51448	.50575	.51585	.51347	2.5173
#2	.51151	.51781	1.0255	.52206	.50621	.49920	.00427	5.1167	.51142	.50391	.51360	.50756	2.5016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.476**	**1.0255**	**19.545**	**.50114**	**.49568**	**5.2414**	**.51953**	**.97899**	**1.0435**	**.00496**	**.97581**	**1.0272**	**5.1415**
Stddev	.182	.0004	.163	.00339	.00322	.0239	.00377	.00889	.0066	.00026	.01178	.0145	.0040
%RSD	.34677	.03806	.83453	.67573	.64887	.45645	.72620	.90834	.62905	5.3254	1.2074	1.4131	.07752
#1	52.347	1.0252	19.660	.50353	.49796	5.2244	.52219	.98528	1.0481	.00478	.98414	1.0374	5.1443
#2	52.604	1.0258	19.430	.49874	.49341	5.2583	.51686	.97270	1.0389	.00515	.96748	1.0169	5.1386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.003**	**.99075**	**.50331**	**-.00354**	**.49598**	**1.0209**	**-.04729**	**.50710**	**.49428**	**.50977**
Stddev	.009	.00517	.00242	.00176	.00355	.0083	.01946	.00541	.00275	.00409
%RSD	.07752	.52218	.47991	49.727	.71553	.81603	41.151	1.0670	.55596	.80157
#1	11.009	.99441	.50160	-.00230	.49849	1.0268	-.06106	.51093	.49622	.50688
#2	10.997	.98709	.50501	-.00479	.49347	1.0150	-.03353	.50328	.49233	.51266
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7192.9**	**93557.**	**8384.6**
Stddev	4.5	920.	79.2
%RSD	.06237	.98359	.94402
#1	7189.7	92906.	8440.6
#2	7196.0	94208.	8328.7

Sample Name: CCB Acquired: 9/26/2013 4:38:55 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00251**	**.00014**	W **.00632**	**.00016**	**.00007**	**.00224**	**.00186**	**-.00018**	**.00013**	**.00011**
Stddev	.00026	.00027	.00271	.00014	.00017	.00010	.00000	.00090	.00002	.00023	.00009
%RSD	43.190	10.652	1995.7	2.2290	104.41	149.83	.02148	48.241	10.819	185.48	78.929
#1	.00042	.00269	.00205	.00622	.00028	.00014	.00224	.00249	-.00020	.00029	.00005
#2	.00080	.00232	-.00178	.00642	.00004	.00000	.00224	.00122	-.00017	-.00004	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00445**	**.05554**	**.00160**	**.00250**	**.00003**	**.00081**	**.04165**	**-.00022**	**-.00175**	**-.00099**
Stddev	.00001	.00073	.04294	.00106	.00428	.00003	.00026	.00299	.00006	.00069	.00120
%RSD	11.990	16.420	77.310	66.143	170.97	102.25	32.295	7.1721	25.544	39.305	122.12
#1	.00010	.00393	.02518	.00085	.00553	.00001	.00063	.04377	-.00018	-.00127	-.00184
#2	.00012	.00497	.08590	.00235	-.00052	.00005	.00100	.03954	-.00026	-.00224	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00684**	F **.01694**	W **-.00606**	**.01381**	**.02955**	**.00065**	**.00002**	**-.00045**	**.00006**	**.00023**	**-.02026**
Stddev	.00159	.00571	.00282	.01116	.02387	.00015	.00010	.00098	.00007	.00166	.02044
%RSD	23.299	33.701	46.588	80.795	80.795	22.352	563.27	220.04	114.40	711.37	100.92
#1	.00571	.01291	-.00806	.00592	.01267	.00055	.00009	-.00114	.00012	.00140	-.03472
#2	.00796	.02098	-.00407	.02170	.04643	.00075	-.00005	.00025	.00001	-.00094	-.00580
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00008**	**.00233**	**-.00046**
Stddev	.00065	.00019	.00006
%RSD	797.54	8.0319	12.510
#1	.00054	.00247	-.00042
#2	-.00038	.00220	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7086.4**	**94643.**	**8393.0**
Stddev	75.5	133.	63.4
%RSD	1.0660	.14104	.75541
#1	7033.0	94737.	8437.8
#2	7139.8	94549.	8348.2

Sample Name: CCVL2271034 Acquired: 9/26/2013 4:41:12 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.10284**	**.01812**	**.10143**	**.00993**	**.00094**	**.10914**	**.20188**	**.00514**	**.01036**	**.01045**	**.01499**	**.09871**
Stddev	.00019	.00093	.00132	.00037	.00001	.00018	.00017	.00284	.00038	.00016	.00012	.00035	.00136
%RSD	1.9292	.90790	7.2773	.36427	.07830	18.918	.15205	1.4048	7.3345	1.5599	1.1124	2.3498	1.3770
#1	.00970	.10350	.01718	.10169	.00993	.00107	.10903	.20389	.00540	.01048	.01054	.01474	.09967
#2	.00997	.10218	.01905	.10117	.00994	.00082	.10926	.19988	.00487	.01025	.01037	.01524	.09774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1548**	F **.01328**	**.19789**	**.00998**	**.01946**	**1.0877**	**.04172**	**2.7745**	**.00844**	**.01062**	**.01121**	F **.00892**	**.50948**
Stddev	.0118	.00257	.00190	.00001	.00007	.0120	.00090	.0265	.00086	.00154	.00419	.00218	.00214
%RSD	.37321	19.344	.96089	.11831	.37201	1.1014	2.1579	.95590	10.215	14.527	37.364	24.409	.42101
#1	3.1631	.01510	.19924	.00998	.01951	1.0792	.04236	2.7933	.00904	.01171	.00825	.01046	.51100
#2	3.1465	.01146	.19655	.00999	.01940	1.0961	.04108	2.7557	.00783	.00953	.01417	.00738	.50797
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		.01000										.01500	
Range		30.000%										-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0903**	**.09843**	**.01000**	**.01272**	**.00950**	**.01723**	**.06631**	**.00985**	**.02049**	**.01596**
Stddev	.0046	.00084	.00006	.00090	.00004	.00090	.00991	.00004	.00029	.00059
%RSD	.42101	.85475	.56783	7.1167	.43789	5.2482	14.952	.39456	1.4032	3.7238
#1	1.0935	.09902	.01004	.01336	.00947	.01659	.05930	.00983	.02070	.01638
#2	1.0870	.09783	.00996	.01208	.00953	.01787	.07332	.00988	.02029	.01554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7140.0**	**93702.**	**8314.1**
Stddev	56.8	503.	37.1
%RSD	.79490	.53661	.44680
#1	7099.8	94058.	8287.8
#2	7180.1	93347.	8340.4

Sample Name: 280-46921-a-7-a Acquired: 9/26/2013 4:43:30 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00462**	**.00303**	**.86655**	**.30349**	**-.00006**	**-.00351**	**65.283**	**.00510**	**.00079**
Stddev	.00047	.00015	.00011	.00796	.00090	.00002	.00082	.140	.00033	.00024
%RSD	2648.0	3.2773	3.6700	.91875	.29793	39.053	23.236	.21418	6.4057	30.592
#1	.00031	.00451	.00295	.86092	.30285	-.00008	-.00409	65.184	.00487	.00096
#2	-.00035	.00473	.00311	.87218	.30413	-.00004	-.00293	65.382	.00533	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00428**	**.00755**	**1.4357**	**.06252**	**32.216**	**.11079**	**.00180**	**392.21**	**.03724**
Stddev	.00013	.00034	.00104	.0077	.00189	.115	.00010	.00001	1.30	.00022
%RSD	24.995	8.0064	13.835	.53938	3.0272	.35827	.09230	.38077	.33265	.60278
#1	.00063	.00452	.00681	1.4303	.06118	32.297	.11086	.00180	391.29	.03740
#2	.00044	.00403	.00829	1.4412	.06386	32.134	.11072	.00179	393.13	.03708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36933**	**-.00188**	**61.667**	**.00031**	W **-.00634**	**23.491**	**50.271**	**.00014**	**.52389**	**-.00225**
Stddev	.00229	.00024	.243	.00088	.00095	.008	.017	.00027	.00059	.00018
%RSD	.61978	13.013	.39380	286.61	14.983	.03413	.03413	184.23	.11195	8.1680
#1	.36771	-.00170	61.495	-.00032	-.00566	23.485	50.259	.00033	.52347	-.00212
#2	.37095	-.00205	61.838	.00093	-.00701	23.497	50.283	-.00004	.52430	-.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00090**	**-.01303**	**.01243**	**.01318**	**-.00005**
Stddev	.00026	.00109	.01447	.00037	.00038	.00011
%RSD	161.89	120.40	111.07	3.0013	2.8745	232.41
#1	-.00034	.00013	-.02327	.01269	.01345	.00003
#2	.00002	.00167	-.00280	.01216	.01291	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6804.1**	**86980.**	**8306.2**
Stddev	1.6	282.	16.7
%RSD	.02348	.32410	.20093
#1	6805.2	86781.	8294.4
#2	6803.0	87179.	8318.0

Sample Name: 280-46921-a-10-a Acquired: 9/26/2013 4:45:53 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00307**	**.01952**	**1.9669**	**.04862**	**-.00001**	**-.00252**	**21.014**	**.00025**	**-.00035**
Stddev	.00029	.00031	.00339	.0062	.00019	.00004	.00072	.000	.00006	.00005
%RSD	45.354	10.116	17.357	.31668	.39978	408.03	28.538	.00084	25.468	14.959
#1	.00044	.00285	.01713	1.9713	.04849	.00002	-.00303	21.014	.00029	-.00032
#2	.00085	.00329	.02192	1.9625	.04876	-.00004	-.00201	21.014	.00020	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00073**	**.00845**	**1.8404**	**.01607**	**12.764**	**.10447**	**.07462**	**238.51**	**.00512**
Stddev	.00005	.00033	.00121	.0628	.00375	.065	.00021	.00101	.25	.00040
%RSD	21.118	44.926	14.362	3.4146	23.324	.50617	.20570	1.3469	.10602	7.7374
#1	.00021	.00050	.00930	1.7959	.01872	12.810	.10463	.07533	238.33	.00540
#2	.00028	.00096	.00759	1.8848	.01342	12.718	.10432	.07391	238.69	.00484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40966**	**.26512**	**53.954**	**-.00199**	**-.00417**	**23.074**	**49.378**	**.00001**	**.19607**	**-.00272**
Stddev	.00110	.00136	.053	.00279	.00040	.046	.098	.00041	.00017	.00160
%RSD	.26730	.51340	.09838	140.20	9.6254	.19889	.19889	8003.7	.08565	58.662
#1	.41044	.26608	53.992	-.00397	-.00389	23.106	49.447	.00029	.19619	-.00159
#2	.40889	.26416	53.917	-.00002	-.00446	23.041	49.309	-.00028	.19596	-.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00161**	**-.01668**	**.04243**	**.00290**	**.00100**
Stddev	.00001	.00051	.03947	.00094	.00029	.00146
%RSD	3.1279	31.901	236.61	2.2238	9.9703	145.66
#1	-.00046	.00197	-.04460	.04310	.00269	-.00003
#2	-.00048	.00125	.01123	.04176	.00310	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6887.2**	**89282.**	**8354.4**
Stddev	79.7	69.	36.9
%RSD	1.1577	.07734	.44122
#1	6830.8	89233.	8328.4
#2	6943.6	89330.	8380.5

Sample Name: 280-46921-a-12-a Acquired: 9/26/2013 4:48:10 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00301**	**.01295**	**1.7930**	**.03932**	**-.00003**	**-.00129**	**66.183**	**.00065**	**-.00022**
Stddev	.00034	.00010	.00154	.0098	.00050	.00001	.00379	.105	.00014	.00001
%RSD	2527.0	3.2283	11.917	.54961	1.2606	18.175	293.32	.15923	22.151	5.7076
#1	.00023	.00308	.01186	1.7860	.03897	-.00003	.00139	66.108	.00055	-.00021
#2	-.00025	.00294	.01405	1.7999	.03967	-.00004	-.00397	66.257	.00076	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00075**	**.00684**	**7.9819**	**.09559**	**25.788**	**.43844**	**.01137**	**445.43**	**.00102**
Stddev	.00002	.00007	.00198	.0422	.00149	.029	.00040	.00014	1.39	.00006
%RSD	13.242	8.8386	28.876	.52884	1.5570	.11271	.09061	1.2597	.31199	5.9807
#1	.00015	.00071	.00824	8.0117	.09664	25.809	.43872	.01127	444.45	.00107
#2	.00018	.00080	.00544	7.9520	.09454	25.768	.43816	.01147	446.41	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11659**	**.28892**	W **184.85**	**.00084**	**.02071**	**19.278**	**41.254**	**-.00005**	**1.0984**	**-.00256**
Stddev	.00029	.00154	.53	.00038	.00038	.199	.425	.00116	.0019	.00154
%RSD	.24521	.53385	.28488	45.183	1.8415	1.0297	1.0297	2427.1	.16994	60.003
#1	.11639	.28783	184.48	.00111	.02044	19.137	40.954	.00077	1.0970	-.00147
#2	.11679	.29001	185.22	.00057	.02098	19.418	41.555	-.00087	1.0997	-.00365
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00102**	**-.01674**	**.00501**	**.00296**	**.00004**
Stddev	.00000	.00123	.00646	.00009	.00000	.00094
%RSD	1.6067	120.42	38.580	1.7992	.14664	2479.1
#1	.00014	.00189	-.02131	.00507	.00295	.00070
#2	.00014	.00015	-.01218	.00494	.00296	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6725.9**	**86983.**	**8373.6**
Stddev	3.9	101.	63.8
%RSD	.05873	.11637	.76241
#1	6728.7	86911.	8418.7
#2	6723.1	87054.	8328.4

Sample Name: 280-46921-a-14-a Acquired: 9/26/2013 4:50:33 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00200**	**.00283**	**.00839**	**.00001**	**-.00001**	**.00104**	**.04425**	**.00006**	**.00007**
Stddev	.00026	.00000	.00184	.00027	.00001	.00002	.00129	.00363	.00003	.00026
%RSD	81.374	.14635	65.214	3.1990	43.616	165.44	124.73	8.2106	61.431	344.02
#1	.00014	.00200	.00152	.00820	.00002	.00000	.00195	.04681	.00003	-.00011
#2	.00050	.00200	.00413	.00858	.00001	-.00003	.00012	.04168	.00008	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00012**	**.00584**	**.08959**	**.00422**	**.00807**	**.00024**	**-.00006**	**.36047**	**-.00016**
Stddev	.00003	.00031	.00114	.02960	.00063	.00219	.00009	.00024	.02826	.00040
%RSD	21.357	250.10	19.562	33.045	14.983	27.157	35.985	392.92	7.8388	244.20
#1	.00013	-.00009	.00665	.06865	.00467	.00962	.00031	.00011	.38045	.00012
#2	.00018	.00034	.00503	.11052	.00377	.00652	.00018	-.00023	.34049	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00002**	**.04395**	**.00127**	**-.00346**	**.01007**	**.02156**	**.00035**	**.00041**	**.00037**
Stddev	.00150	.00033	.00085	.00045	.00113	.00524	.01122	.00028	.00001	.00114
%RSD	182.08	1688.0	1.9270	35.127	32.610	52.047	52.047	77.723	1.9013	309.14
#1	.00188	.00025	.04335	.00159	-.00426	.01378	.02949	.00016	.00042	.00117
#2	-.00024	-.00021	.04455	.00096	-.00266	.00637	.01362	.00055	.00041	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00123**	**-.01918**	**.00011**	**.00305**	**.00027**
Stddev	.00034	.00052	.00415	.00039	.00017	.00071
%RSD	128.41	42.139	21.633	356.92	5.4232	258.82
#1	.00002	.00086	-.01624	-.00017	.00317	-.00023
#2	.00050	.00159	-.02211	.00039	.00293	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7274.0**	**95779.**	**8483.1**
Stddev	10.7	258.	44.7
%RSD	.14755	.26932	.52717
#1	7281.6	95962.	8514.7
#2	7266.4	95597.	8451.4

Sample Name: 280-46921-a-15-a Acquired: 9/26/2013 4:52:50 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00394**	**.00964**	**1.6912**	**.02965**	**-.00002**	**-.00071**	**44.584**	**.00037**	**-.00004**
Stddev	.00041	.00016	.00105	.0008	.00012	.00003	.00018	.093	.00014	.00001
%RSD	82.361	4.1072	10.898	.04820	.39381	115.78	25.660	.20824	38.623	15.512
#1	.00021	.00383	.01038	1.6918	.02957	.00000	-.00058	44.650	.00027	-.00004
#2	.00078	.00406	.00890	1.6906	.02974	-.00004	-.00084	44.519	.00047	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00555**	**.00086**	**.00957**	**3.7627**	**.03351**	**26.140**	**.06777**	**.03194**	**304.37**	**.00268**
Stddev	.00009	.00003	.00212	.0111	.00066	.018	.00002	.00009	.17	.00055
%RSD	1.5308	3.9876	22.142	.29592	1.9594	.06771	.03377	.27908	.05506	20.508
#1	.00549	.00088	.01107	3.7549	.03398	26.152	.06775	.03200	304.26	.00307
#2	.00561	.00083	.00807	3.7706	.03305	26.127	.06779	.03188	304.49	.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27239**	**.06803**	**89.778**	**-.00124**	**-.00317**	**22.837**	**48.872**	**.00035**	**.46792**	**-.00189**
Stddev	.00093	.00179	.249	.00003	.00135	.097	.208	.00100	.00136	.00122
%RSD	.34196	2.6377	.27760	2.5805	42.435	.42633	.42633	288.31	.29102	64.766
#1	.27173	.06930	89.954	-.00127	-.00222	22.906	49.019	.00105	.46888	-.00102
#2	.27305	.06676	89.602	-.00122	-.00412	22.768	48.724	-.00036	.46696	-.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00147**	**.02739**	**.02992**	**.00294**	**-.00081**
Stddev	.00020	.00015	.00967	.00038	.00001	.00162
%RSD	102.62	10.372	35.301	1.2544	.30135	199.81
#1	-.00033	.00136	.02055	.02966	.00295	.00033
#2	-.00005	.00157	.03423	.03019	.00293	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6876.6**	**88575.**	**8359.5**
Stddev	13.4	196.	51.1
%RSD	.19454	.22122	.61136
#1	6886.1	88714.	8323.3
#2	6867.1	88436.	8395.6

Sample Name: 280-46921-a-16-a Acquired: 9/26/2013 4:55:15 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .00240	.00037	k .00133	k .01608	k .00154	k -.00004	k .00485	k 1.2322	k -.00020	k .00012
Stddev	.00355	.00002	.00033	.00064	.00194	.00009	.00245	1.1307	.00009	.00018
%RSD	147.55	6.1823	24.698	3.9516	125.79	242.26	50.550	91.764	48.440	158.84
#1	-.00010	.00035	.00110	.01563	.00292	-.00010	.00312	2.0317	-.00026	.00025
#2	s .00491	.00038	k .00156	k .01653	k .00017	k .00003	k .00658	k .43265	k -.00013	k -.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00080	s -.00569	.00339	.33879	k .00352	s .57811	s .01342	k .00025	F 2.6773	k .00099
Stddev	.00023	.00230	.00022	.25439	.00075	.65097	.01522	.00000	1.6678	.00021
%RSD	29.325	40.480	6.4700	75.089	21.445	112.60	113.39	1.3753	62.294	21.301
#1	.00063	-.00406	.00354	.51867	.00405	1.0384	.02419	.00025	3.8566	.00084
#2	k .00097	s -.00732	.00323	.15891	k .00299	s .11780	s .00266	k .00025	1.4980	k .00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .06992	k -.00049	k .84395	k -.00301	kW -.00572	k 4.0013	k 8.5628	k -.00002	.01018	s .00715
Stddev	.00683	.00046	.07000	.00128	.00171	3.7018	7.9219	.00030	.00932	.00255
%RSD	9.7643	94.336	8.2946	42.338	29.846	92.515	92.515	1214.2	91.597	35.601
#1	.06510	-.00082	.79445	-.00211	-.00693	6.6189	14.164	-.00024	.01677	.00535
#2	k .07475	k -.00016	k .89345	k -.00391	k -.00451	k 1.3837	k 2.9612	k .00019	.00359	s .00895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .00009	k .00320	s -.02318	s .00112	s .00038	k .00186
Stddev	.00121	.00083	.00761	.00301	.00043	.00032
%RSD	1272.6	26.087	32.834	267.67	111.22	17.057
#1	-.00076	.00379	-.02856	.00325	.00069	.00164
#2	s .00095	k .00261	s -.01780	s -.00100	s .00008	k .00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	10313.	^ *****	12104.
Stddev	1771.	-----	380.
%RSD	17.169	-----	3.1401
#1	9061.1	79554.	12373.
#2	11565.	^ -----	11835.

Sample Name: 280-46921-a-17-a Acquired: 9/26/2013 4:57:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00031**	k **.00408**	k **.01174**	k **.20261**	s **.00372**	s **-.00009**	k **-.00562**	s **1.8561**	k **.00026**	k **-.00019**
Stddev	.00027	.00060	.00318	.06700	.00415	.00004	.00494	1.7314	.00007	.00000
%RSD	87.873	14.590	27.107	33.068	111.61	47.374	87.892	93.280	25.106	.70003
#1	k .00012	k .00366	k .00949	k .15524	s .00666	s -.00012	k -.00213	s 3.0804	k .00021	k -.00019
#2	.00050	.00450	.01399	.24999	.00078	-.00006	-.00911	.63185	.00031	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01386**	k **-.00342**	s **.00128**	s **3.1233**	s **.00134**	k **1.4113**	k **-.00001**	k **.00759**	sF **3.5258**	k **.00034**
Stddev	.00436	.00025	.00104	2.8605	.00097	.0351	.00003	.00232	2.0874	.00036
%RSD	31.483	7.2570	81.326	91.587	72.440	2.4898	326.82	30.580	59.204	106.82
#1	k .01078	k -.00325	s .00202	s 5.1459	s .00202	k 1.3865	k .00001	k .00595	s 5.0018	k .00059
#2	.01695	-.00360	.00055	1.1006	.00065	1.4362	-.00003	.00923	2.0498	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **4.7524**	k **.00192**	k **4.4200**	k **-.00217**	k **-.00170**	s **3.1329**	s **6.7043**	**.00038**	s **.01765**	k **.00498**
Stddev	1.5691	.00029	1.5383	.00100	.00124	2.9296	6.2694	.00002	.01651	.00016
%RSD	33.018	14.920	34.803	46.281	73.049	93.513	93.513	5.8806	93.541	3.2560
#1	k 3.6428	k .00172	k 3.3323	k -.00288	k -.00258	s 5.2044	s 11.137	.00040	s .02932	k .00486
#2	5.8619	.00212	5.5078	-.00146	-.00082	1.0613	2.2712	.00037	.00597	.00509
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00040**	k **.00065**	k **-.01253**	k **.00757**	k **.00062**	s **.00026**
Stddev	.00006	.00178	.03277	.00009	.00021	.00104
%RSD	14.519	274.48	261.40	1.2436	34.058	406.04
#1	k .00044	k .00191	k .01063	k .00750	k .00047	s .00099
#2	.00036	-.00061	-.03570	.00764	.00076	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7726.1**	**138200.**	^ *****
Stddev	822.5	3022.	-----
%RSD	10.646	2.1868	-----
#1	8307.7	136070.	^ -----
#2	7144.5	140340.	11386.

Sample Name: 280-46921-a-18-a Acquired: 9/26/2013 4:59:51 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192743 6010B DUPONT QAS

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00979**	s **-.04016**	sF **-.09587**	^ *****	k **.00244**	k **-.00003**	sW **.05717**	k **.66313**	s **.00261**	s **.00480**
Stddev	.01357	.05909	.15685	-----	.00070	.00003	.07413	.92538	.00397	.00672
%RSD	138.62	147.15	163.60	-----	28.745	96.254	129.67	139.55	152.05	140.03
#1	k -.00019	.00163	.01503	^ -----	k .00294	k -.00001	k .00475	.00879	k -.00020	k .00005
#2	k -.01939	s -.08194	s -.20678	^ -----	k .00194	k -.00005	s .10958	k 1.3175	s .00542	s .00955
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000				.05000			
Low Limit			-.02000				-.05000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00143**	k **.01431**	**-.00030**	**.45661**	k **-.00378**	k **1.3774**	k **-.00223**	sF **-.42051**	^F *****	s **-.00817**
Stddev	.00352	.02208	.00666	.36629	.00892	.8125	.00315	.65473	-----	.01459
%RSD	245.57	154.34	2237.2	80.220	235.85	58.985	141.26	155.70	-----	178.46
#1	k .00106	k -.00131	-.00501	.71561	-.01009	k 1.9519	k .00000	.04245	-3.8927	k .00214
#2	s -.00393	k .02992	.00441	.19760	k .00253	k .80289	k -.00445	s -.88347	^ -----	s -.01849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit								20.000	10000.	
Low Limit								-.02000	9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **-4.9088**	s **.00117**	^ *****	sF **-.04978**	sF **-.05212**	k **.82630**	k **1.7683**	s **-.01179**	**.01052**	kF **-.08647**
Stddev	7.6445	.00063	-----	.06584	.07123	1.1648	2.4927	.01637	.01477	.13019
%RSD	155.73	53.643	-----	132.26	136.66	140.97	140.97	138.89	140.46	150.56
#1	k .49674	k .00072	^ -----	k -.00323	k -.00176	k .00264	k .00565	k -.00021	.00007	k .00559
#2	s -10.314	s .00161	^ -----	s -.09634	s -.10249	k 1.6500	k 3.5309	s -.02336	.02096	k -.17852
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	50.000			50.000	50.000					50.000
Low Limit	-2.0000			-.02000	-.01000					-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **-.01721**	s **.02965**	k **.17607**	k **.02589**	k **.00690**	k **-.00085**
Stddev	.02462	.03875	.23000	.01360	.00922	.00615
%RSD	143.02	130.66	130.63	52.516	133.62	723.20
#1	k .00019	k .00226	k .01343	k .01628	k .00038	k -.00520
#2	k -.03462	s .05705	k .33870	k .03550	k .01341	k .00350
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**57657.**	**9298.8**
Stddev	-----	77584.	7128.6
%RSD	-----	134.56	76.661
#1	10458.	112520.	4258.2
#2	^ -----	2796.9	14339.

Sample Name: CCVH-2271055 Acquired: 9/26/2013 5:02:47 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00044**	kF **.19753**	s **-.00180**	s **-.07642**	k **-.00084**	k **-.00005**	sF **-.69586**	k **.00038**	s **.00483**	s **.00108**	s **.00551**
Stddev	.00022	.01094	.00591	.11908	.00026	.00001	1.1816	.00023	.00726	.00122	.00779
%RSD	48.936	5.5362	327.64	155.81	31.606	22.380	169.80	59.600	150.35	112.94	141.51
#1	k .00029	.18980	s -.00598	s -.16062	k -.00065	k -.00004	s -1.5314	k .00054	s .00996	s .00195	s .01101
#2	k .00060	k .20527	s .00238	s .00778	k -.00102	k -.00005	s .13964	k .00022	s -.00030	s .00022	s .00000
Check ?	None	Chk Fail	None	None	None	None	Chk Fail	None	None	None	None
Value		50.000					1.0000				
Range		-10.490%					-10.490%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00332**	F **.00105**	**-.01994**	k **.00116**	k **-.01195**	k **-.00004**	s **-.00118**	**.05684**	s **.00516**	s **.02709**	s **-.02439**
Stddev	.00092	.00073	.02021	.00221	.02040	.00003	.00159	.01201	.00666	.03387	.03524
%RSD	27.591	69.938	101.40	191.19	170.72	73.103	134.35	21.128	128.96	125.03	144.45
#1	k -.00397	.00157	-.00564	k -.00041	k .00248	k -.00002	s -.00231	.06533	s .00987	s .05104	s -.04931
#2	k -.00267	.00053	-.03423	k .00272	k -.02638	k -.00006	s -.00006	.04835	s .00046	s .00314	s .00052
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **-3.6214**	s **-.06683**	s **-.00356**	k **-.00735**	k **-.01572**	s **-.01161**	**-.00003**	kF **.20927**	k **.00111**	s **.02328**	kF **.40680**
Stddev	6.1048	.09202	.00492	.01443	.03089	.01647	.00003	.27601	.00084	.02741	.55597
%RSD	168.57	137.69	138.12	196.47	196.47	141.80	109.26	131.89	76.048	117.71	136.67
#1	s -7.9382	s -.13189	s -.00008	k .00286	k .00612	s -.02326	-.00001	k .01411	k .00051	s .04266	k .01367
#2	s .69528	s -.00176	s -.00705	k -.01755	k -.03756	s .00003	-.00005	k .40444	k .00170	s .00390	k .79993
Check ?	Chk Fail	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail
Value	5.0000							5.0000			10.000
Range	-10.490%							-10.490%			-10.490%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **-.00067**	k **.00018**	k **.00365**
Stddev	.00006	.00030	.00096
%RSD	9.2785	163.52	26.305
#1	k -.00072	k -.00003	k .00297
#2	k -.00063	k .00040	k .00432
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**203100.**	**16251.**
Stddev	-----	53218.	2220.
%RSD	-----	26.202	13.659
#1	^ -----	240730.	14682.
#2	^ -----	165470.	17821.

Sample Name: CCV-2271054 Acquired: 9/26/2013 5:05:41 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF .00953	sF .06702	sF .12313	sF .06420	kF -.00093	kF -.00002	s .00544	kF -.00036	sF .06163	sF .06452	sF .06623
Stddev	.01028	.01903	.03385	.02005	.00024	.00005	.00199	.00084	.01788	.01862	.01927
%RSD	107.94	28.402	27.489	31.235	25.290	234.16	36.503	233.57	29.018	28.860	29.098
#1	k .00226	s .08048	s .14707	s .07838	k -.00077	k .00001	s .00404	k -.00096	s .07427	s .07769	s .07985
#2	.01680	.05356	.09920	.05002	-.00110	-.00006	.00685	.00024	.04898	.05135	.05260
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%		-10.490%	-10.490%	-10.490%	-10.490%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF .00490	F .00120	F -.04678	kF .00289	kF .38907	kF .01007	sF .06111	F .01622	sF .06603	sF .11569	sF .13057
Stddev	.00960	.00057	.05172	.00164	.43803	.01145	.01784	.00111	.01873	.03349	.03725
%RSD	195.79	47.117	110.56	56.731	112.58	113.78	29.200	6.8480	28.363	28.947	28.529
#1	k -.00188	.00080	-.01021	k .00173	k .07934	k .00197	s .07373	.01701	s .07927	s .13937	s .15691
#2	.01169	.00160	-.08335	.00405	.69880	.01817	.04849	.01544	.05279	.09201	.10423
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .00325	sF .08990	sF .10630	kF .00160	kF .00342	sF .12254	F -.00007	k .00437	kF .00954	sF .12835	k -.01231
Stddev	.00210	.02237	.03512	.00902	.01930	.03507	.00001	.00268	.00985	.03713	.00380
%RSD	64.693	24.886	33.038	564.06	564.06	28.622	19.708	61.286	103.21	28.927	30.834
#1	s .00474	s .10572	s .13114	k .00798	k .01707	s .14734	-.00008	k .00626	k .00258	s .15460	k -.00963
#2	.00176	.07408	.08147	-.00478	-.01023	.09774	-.00006	.00247	.01651	.10210	-.01499
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None
Value		1.0000	1.0000	5.0000	10.700	1.0000	.50000		.50000	1.0000	
Range		-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%		-10.490%	-10.490%	

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	kF .00956	kF .01002	kF .00377
Stddev	.01185	.01102	.00038
%RSD	123.91	110.05	10.090
#1	k .00118	k .00222	k .00350
#2	.01794	.01781	.00404
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	.50000
Range	-10.490%	-10.490%	-10.490%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	148460.	17455.
Stddev	-----	98446.	2746.
%RSD	-----	66.312	15.735
#1	^ -----	218070.	15513.
#2	10908.	78846.	19397.

Sample Name: CCB Acquired: 9/26/2013 5:08:33 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00380**	**.00400**	F **.00797**	W **-.00100**	**-.00006**	**.00272**	**.00090**	W **-.00075**	**.00018**	**.00003**
Stddev	.00022	.00409	.00163	.00491	.00010	.00003	.00470	.00066	.00070	.00022	.00024
%RSD	43.065	107.60	40.838	61.616	10.240	59.025	172.70	72.576	92.730	121.62	711.88
#1	.00036	.00091	.00284	.00450	-.00093	-.00008	.00604	.00044	-.00026	.00034	.00020
#2	.00067	.00670	.00515	.01145	-.00108	-.00003	-.00060	.00137	-.00124	.00003	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00700	.00058				.00045		
Low Limit				-.00700	-.00058				-.00045		

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00415**	**.00180**	**-.06759**	W **.00333**	**.00317**	**.00002**	**-.00008**	**.01335**	**-.00017**	**.00320**	**-.00002**
Stddev	.00005	.00036	.02247	.00107	.00068	.00001	.00024	.00125	.00073	.00319	.00107
%RSD	1.2549	20.086	33.249	32.162	21.429	33.739	309.19	9.3505	428.31	99.711	4316.7
#1	-.00411	.00154	-.05170	.00257	.00365	.00002	.00009	.01423	.00034	.00094	-.00078
#2	-.00419	.00205	-.08348	.00408	.00269	.00003	-.00025	.01246	-.00068	.00546	.00073
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00261							
Low Limit	-.00272			-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08539**	W **.00482**	**-.00211**	**-.00706**	**-.01511**	**.00164**	**.00002**	**.00742**	**.00031**	**.00181**	**-.02024**
Stddev	.08282	.00598	.00332	.00120	.00258	.00101	.00003	.00095	.00032	.00072	.00082
%RSD	96.993	124.08	157.82	17.053	17.053	61.683	205.03	12.785	103.54	39.760	4.0620
#1	.02682	.00059	-.00445	-.00791	-.01693	.00093	-.00001	.00809	.00053	.00232	-.02083
#2	.14395	.00905	.00024	-.00621	-.01329	.00236	.00004	.00675	.00008	.00130	-.01966
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00058**	**.00027**	W **.00240**
Stddev	.00046	.00015	.00096
%RSD	78.685	54.768	40.148
#1	-.00091	.00017	.00172
#2	-.00026	.00038	.00308
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5789.5**	**194580.**	**16933.**
Stddev	2759.9	44741.	2692.
%RSD	47.671	22.994	15.897
#1	7741.0	226220.	15029.
#2	3837.9	162940.	18836.

Sample Name: CCVL2271034 Acquired: 9/26/2013 5:10:47 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01001**	**.10441**	**.01609**	**.10371**	**.00970**	**.00094**	**.10873**	**.20691**	**.00503**	**.01075**	**.01069**	**.01504**	**.10312**	**3.1388**
Stddev	.00008	.00047	.00259	.00019	.00043	.00004	.00073	.00083	.00004	.00013	.00012	.00002	.00184	.0667
%RSD	.77191	.45231	16.095	.18504	4.4096	4.0472	.66871	.40184	.87522	1.1811	1.0828	.15926	1.7841	2.1253
#1	.00995	.10474	.01426	.10385	.01000	.00092	.10822	.20750	.00500	.01084	.01077	.01502	.10442	3.1860
#2	.01006	.10407	.01792	.10357	.00940	.00097	.10924	.20633	.00506	.01066	.01061	.01505	.10182	3.0916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.19919**	**.01006**	**.01948**	**1.1571**	**.04231**	**2.8085**	**.00959**	**.00783**	**.00926**	**.01120**	**.50855**	**1.0883**	**.09964**
Stddev	.00026	.00353	.00000	.00010	.0335	.00013	.0104	.00103	.00128	.00108	.00224	.00431	.0092	.00063
%RSD	3.0654	1.7730	.01746	.51432	2.8909	.30010	.37093	10.743	16.375	11.630	20.005	.84733	.84733	.63664
#1	.00860	.20169	.01006	.01955	1.1334	.04240	2.8159	.00886	.00874	.01003	.01278	.50550	1.0818	.09920
#2	.00823	.19669	.01006	.01941	1.1807	.04222	2.8012	.01031	.00692	.00850	.00961	.51160	1.0948	.10009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.01145**	**.00950**	**.01606**	**.05795**	**.00995**	**.02139**	**.01420**
Stddev	.00002	.00130	.00001	.00107	.03031	.00011	.00008	.00146
%RSD	.17697	11.324	.08799	6.6758	52.299	1.1145	.39680	10.299
#1	.00993	.01054	.00950	.01530	.07938	.01003	.02145	.01317
#2	.00996	.01237	.00949	.01681	.03652	.00988	.02133	.01524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7156.6**	**94559.**	**8425.2**
Stddev	16.3	559.	56.1
%RSD	.22800	.59147	.66643
#1	7168.1	94163.	8464.9
#2	7145.0	94954.	8385.5

Sample Name: mb 280-192936/1-a Acquired: 9/26/2013 5:13:05 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00228**	**-.00058**	**.00428**	**.00016**	**-.00005**	**-.00182**	**.00906**	**-.00004**	**.00046**
Stddev	.00045	.00009	.00284	.00002	.00001	.00006	.00101	.00200	.00003	.00024
%RSD	126.02	3.9032	493.51	.53885	7.4093	114.01	55.667	22.129	80.235	53.098
#1	.00067	.00222	-.00259	.00426	.00015	-.00009	-.00110	.01048	-.00002	.00063
#2	.00004	.00235	.00143	.00430	.00017	-.00001	-.00253	.00764	-.00006	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00060**	**.00824**	**-.00055**	**.00220**	**.00351**	**.00040**	**-.00002**	**.05921**	**-.00032**
Stddev	.00011	.00030	.00220	.03400	.00190	.00071	.00007	.00026	.01986	.00008
%RSD	262.32	49.711	26.738	6184.6	86.437	20.106	17.780	1510.0	33.535	24.718
#1	-.00003	-.00039	.00980	.02349	.00085	.00401	.00045	.00016	.07326	-.00027
#2	.00012	-.00081	.00668	-.02459	.00354	.00301	.00035	-.00020	.04517	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**-.00148**	**.01342**	**.00142**	**-.00594**	**-.00447**	**-.00956**	**.00088**	**-.00015**	**.00056**
Stddev	.00042	.00047	.00220	.00001	.00145	.00794	.01699	.00114	.00014	.00013
%RSD	29.870	31.442	16.413	.75476	24.337	177.69	177.69	130.23	96.259	24.289
#1	-.00110	-.00181	.01187	.00142	-.00696	-.01008	-.02158	.00169	-.00005	.00065
#2	-.00169	-.00115	.01498	.00141	-.00492	.00115	.00245	.00007	-.00025	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00095**	**-.02019**	**.00001**	**.00532**	**.00028**
Stddev	.00036	.00191	.01005	.00063	.00008	.00088
%RSD	916.12	201.33	49.774	5033.2	1.4195	316.75
#1	-.00030	-.00230	-.01308	.00046	.00526	-.00035
#2	.00022	.00040	-.02729	-.00043	.00537	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7111.7**	**93937.**	**8281.3**
Stddev	40.9	24.	4.7
%RSD	.57524	.02557	.05700
#1	7082.8	93920.	8277.9
#2	7140.7	93954.	8284.6

Sample Name: lcs 280-192936/2-a Acquired: 9/26/2013 5:15:22 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05043**	**1.9437**	**1.0681**	**1.0471**	**2.0389**	**.05022**	**2.0317**	**50.665**	**.10586**	**.49849**
Stddev	.00002	.0013	.0060	.0032	.0073	.00012	.0148	.148	.00039	.00092
%RSD	.04716	.06793	.56352	.31017	.35718	.24076	.72792	.29122	.36932	.18381
#1	.05044	1.9428	1.0723	1.0494	2.0441	.05030	2.0421	50.770	.10613	.49784
#2	.05041	1.9447	1.0638	1.0448	2.0338	.05013	2.0212	50.561	.10558	.49914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21066**	**.25372**	**1.0059**	**53.279**	**1.0317**	**48.596**	**.50007**	**.99187**	**54.238**	**.51157**
Stddev	.00115	.00007	.0098	.136	.0008	.118	.00070	.00112	.488	.00021
%RSD	.54617	.02752	.97895	.25447	.07312	.24240	.13945	.11292	.89992	.04119
#1	.21147	.25368	1.0128	53.375	1.0311	48.512	.49957	.99108	54.583	.51172
#2	.20985	.25377	.99890	53.183	1.0322	48.679	.50056	.99266	53.893	.51142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.011**	**.52000**	**-.00599**	**.49647**	**2.0795**	**10.239**	**21.911**	**1.9712**	**1.0176**	**.95750**
Stddev	.013	.00208	.00014	.00200	.0072	.019	.041	.0031	.0030	.00437
%RSD	.12604	.39958	2.3808	.40263	.34732	.18511	.18511	.15877	.29421	.45670
#1	10.002	.52147	-.00589	.49505	2.0846	10.225	21.882	1.9690	1.0197	.95441
#2	10.020	.51853	-.00609	.49788	2.0744	10.252	21.940	1.9734	1.0155	.96059
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99713**	**1.9898**	**2.0604**	**.51768**	**.49086**	**.49944**
Stddev	.00087	.0006	.0026	.00175	.00136	.00245
%RSD	.08698	.02980	.12472	.33792	.27722	.49061
#1	.99652	1.9902	2.0622	.51891	.49182	.49771
#2	.99775	1.9894	2.0586	.51644	.48989	.50117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6832.9**	**89044.**	**8135.5**
Stddev	1.9	9.	18.6
%RSD	.02839	.00988	.22826
#1	6831.5	89038.	8122.4
#2	6834.3	89050.	8148.6

Sample Name: 280-47043-a-1-a Acquired: 9/26/2013 5:17:29 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **.11424**	k **38.556**	k **.04695**	k **.37892**	k **.51079**	k **.00133**	k **.03530**	**62.604**	k **.04093**	k **.09045**
Stddev	.00027	.060	.00308	.00018	.00116	.00002	.00479	.042	.00002	.00001
%RSD	.23442	.15537	6.5706	.04804	.22620	1.4332	13.564	.06667	.05169	.00857
#1	k .11443	k 38.514	k .04913	k .37905	k .51161	k .00132	k .03868	62.634	k .04092	k .09046
#2	k .11405	k 38.598	k .04477	k .37879	k .50997	k .00134	k .03191	62.575	k .04095	k .09045
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.22097**	k **1.8431**	k **45.679**	F **1388.2**	^ *****	k **16.552**	^ *****	kF **-.03121**	W **1855.8**	k **.66658**
Stddev	.00020	.0032	.098	11.2	-----	.025	-----	.00016	.7	.00034
%RSD	.09046	.17297	.21514	.80583	-----	.15210	-----	.51053	.03543	.05071
#1	k .22111	k 1.8454	k 45.749	1380.3	^ -----	k 16.534	^ -----	k -.03132	1856.3	k .66634
#2	k .22083	k 1.8409	k 45.610	1396.1	^ -----	k 16.570	^ -----	k -.03109	1855.4	k .66682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass
High Limit				500.00				20.000	500.00	
Low Limit				-2.0000				-.02000	11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **3.7371**	k **.56757**	kF **2813.4**	k **.30783**	k **1.0645**	k **45.963**	k **98.361**	F **888.81**	**.41683**	kF **-.07972**
Stddev	.0003	.00062	15.2	.00434	.0022	.060	.127	2.28	.00111	.00172
%RSD	.00845	.10929	.54129	1.4087	.20230	.12954	.12954	.25686	.26731	2.1543
#1	k 3.7369	k .56801	k 2802.7	k .30476	k 1.0630	k 46.005	k 98.451	887.19	.41762	k -.07851
#2	k 3.7373	k .56714	k 2824.2	k .31089	k 1.0660	k 45.921	k 98.271	890.42	.41604	k -.08094
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit	2.0000		200.00					20.000		50.000
Low Limit	-1.0000		-.20000					-.10000		-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **2.4059**	k **1.3938**	kF **-13.497**	^ *****	k **1.0109**	k **.08088**
Stddev	.0012	.0028	.064	-----	.0023	.00083
%RSD	.05047	.20338	.47183	-----	.22631	1.0297
#1	k 2.4067	k 1.3958	k -13.542	^ -----	k 1.0125	k .08147
#2	k 2.4050	k 1.3918	k -13.452	^ -----	k 1.0092	k .08029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.2**	**78368.**	**7965.0**
Stddev	2.9	228.	6.6
%RSD	.04390	.29088	.08305
#1	6664.1	78529.	7969.7
#2	6668.2	78207.	7960.4

Sample Name: 280-47043-a-1-aSD@5 Acquired: 9/26/2013 5:20:38 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.02622**	k **8.6178**	k **.01703**	k **.10027**	k **.11321**	k **.00028**	k **.00598**	**14.340**	k **.00944**	k **.02257**
Stddev	.00001	.0861	.00074	.00018	.00052	.00007	.00088	.093	.00003	.00038
%RSD	.02663	.99911	4.3331	.17736	.46037	23.330	14.708	.64939	.29965	1.7025
#1	k .02622	k 8.6787	k .01755	k .10014	k .11358	k .00033	k .00536	14.406	k .00942	k .02230
#2	k .02623	k 8.5570	k .01651	k .10039	k .11284	k .00024	k .00660	14.274	k .00946	k .02284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.05481**	k **.41406**	**10.585**	W **319.91**	kF **-.03559**	k **4.0370**	^ *****	k **-.00806**	**408.45**	k **.16929**
Stddev	.00004	.00114	.073	1.93	.00388	.0047	-----	.00032	3.00	.00117
%RSD	.08114	.27451	.68643	.60301	10.889	.11648	-----	3.9946	.73365	.69347
#1	k .05478	k .41326	10.637	321.28	k -.03833	k 4.0337	^ -----	k -.00829	410.57	k .16846
#2	k .05484	k .41486	10.534	318.55	k -.03285	k 4.0403	^ -----	k -.00784	406.33	k .17012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00	25.000					
Low Limit				-.50000	-.02000					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.87698**	k **.14422**	kF **1028.6**	k **.02390**	k **.26430**	**10.464**	**22.392**	F **463.13**	**.09269**	kF **-.03073**
Stddev	.00737	.00046	.1	.00063	.00585	.049	.104	.33	.00074	.00199
%RSD	.84068	.31650	.01252	2.6218	2.2141	.46407	.46407	.07202	.79818	6.4613
#1	k .87177	k .14390	k 1028.5	k .02435	k .26844	10.429	22.318	462.89	.09322	k -.02933
#2	k .88219	k .14455	k 1028.7	k .02346	k .26016	10.498	22.465	463.36	.09217	k -.03214
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit			200.00					20.000		50.000
Low Limit			-.20000					-.10000		-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.54906**	k **.35254**	kF **-3.2095**	kF **-.15562**	k **.24376**	k **.01726**
Stddev	.00052	.00038	.0248	.00062	.00118	.00092
%RSD	.09482	.10753	.77112	.39763	.48344	5.3264
#1	k .54869	k .35227	k -3.2270	k -.15519	k .24459	k .01661
#2	k .54943	k .35281	k -3.1920	k -.15606	k .24293	k .01791
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000	50.000		
Low Limit			-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6974.1**	**85653.**	**8036.1**
Stddev	46.4	239.	16.7
%RSD	.66547	.27925	.20746
#1	6941.3	85822.	8047.9
#2	7007.0	85484.	8024.3

Sample Name: 280-47043-a-2-a Acquired: 9/26/2013 5:23:02 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00309**	**5.7684**	**.01658**	**.68959**	**.27791**	**.00019**	F **.17422**	**26.416**	**.00817**	**.03520**
Stddev	.00015	.0520	.00082	.00180	.00225	.00005	.00695	.114	.00009	.00012
%RSD	4.6949	.90151	4.9528	.26083	.80809	28.101	3.9878	.43227	1.0592	.32750
#1	.00319	5.7316	.01600	.69086	.27632	.00022	.16931	26.335	.00823	.03528
#2	.00299	5.8052	.01716	.68832	.27950	.00015	.17914	26.496	.00811	.03512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04053**	**.57415**	**29.140**	**25.583**	**.04561**	**35.024**	**.81402**	**.01245**	W **7591.8**	**.07737**
Stddev	.00021	.00118	.172	1.842	.00116	.114	.01703	.00025	55.4	.00012
%RSD	.51321	.20583	.59055	7.2012	2.5463	.32528	2.0919	1.9830	.72915	.15171
#1	.04068	.57499	29.019	24.280	.04479	34.944	.82606	.01227	7552.6	.07745
#2	.04038	.57332	29.262	26.885	.04643	35.105	.80198	.01262	7630.9	.07729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68023**	**.11072**	**149.51**	**-.00094**	**.00951**	**8.3219**	**17.809**	**.46249**	**.34753**	**.00128**
Stddev	.00156	.00145	.35	.00024	.00564	.0889	.190	.00935	.00261	.00224
%RSD	.22968	1.3139	.23612	25.073	59.291	1.0682	1.0682	2.0227	.75105	175.38
#1	.67913	.11175	149.76	-.00077	.00552	8.2590	17.674	.46911	.34568	.00286
#2	.68133	.10969	149.26	-.00111	.01349	8.3848	17.943	.45588	.34937	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20386**	**-.00011**	**.07288**	**.04095**	**.84840**	**.02099**
Stddev	.00086	.00090	.00291	.00034	.00630	.00327
%RSD	.42147	794.96	3.9985	.83744	.74249	15.567
#1	.20325	-.00075	.07081	.04071	.84394	.01868
#2	.20447	.00052	.07494	.04119	.85285	.02330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6003.3**	**75054.**	**8340.9**
Stddev	3.9	570.	71.6
%RSD	.06458	.75911	.85792
#1	6000.5	75457.	8290.3
#2	6006.0	74652.	8391.5

Sample Name: 280-47043-a-3-a Acquired: 9/26/2013 5:25:53 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **.84898**	k **244.33**	k **.54474**	k **4.6887**	**8.0791**	k **.03055**	kF **.29077**	^ *****	kW **4.4225**	k **.24410**
Stddev	.00058	.04	.01366	.0025	.1384	.00002	.00197	-----	.0031	.00088
%RSD	.06837	.01483	2.5082	.05327	1.7133	.05635	.67885	-----	.07061	.36215
#1	k .84939	k 244.36	k .55440	k 4.6869	8.1770	k .03054	k .29216	^ -----	k 4.4203	k .24473
#2	k .84856	k 244.31	k .53508	k 4.6904	7.9812	k .03056	k .28937	^ -----	k 4.4247	k .24348
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000						.10000		2.0000	
Low Limit	-.01000						-.10000		-.00500	

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **11.462**	W **32.936**	k **445.32**	**73.493**	k **.88871**	^ *****	kW **13.012**	k **1.4726**	W **1412.2**	k **6.1129**
Stddev	.039	.347	.95	.939	.00203	-----	.129	.0022	2.3	.0217
%RSD	.33656	1.0546	.21289	1.2779	.22871	-----	.99173	.14607	.16266	.35482
#1	k 11.489	33.181	k 444.65	72.829	k .89014	^ -----	k 13.103	k 1.4742	1413.9	k 6.1282
#2	k 11.435	32.690	k 445.99	74.157	k .88727	^ -----	k 12.920	k 1.4711	1410.6	k 6.0975
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit	10.000	10.000					10.000		500.00	
Low Limit	-.01000	-.01000					-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **60.955**	kW **48.681**	kF **531.76**	k **.52542**	k **.16263**	kW **163.48**	kW **349.85**	kF **20.589**	W **7.5655**	k **.46336**
Stddev	.008	.206	.07	.00067	.00250	.44	.95	.084	.0568	.00022
%RSD	.01329	.42419	.01387	.12753	1.5354	.27036	.27036	.40762	.75072	.04793
#1	k 60.961	k 48.827	k 531.82	k .52494	k .16439	k 163.79	k 350.52	k 20.648	7.5253	k .46352
#2	k 60.949	k 48.535	k 531.71	k .52589	k .16086	k 163.17	k 349.18	k 20.529	7.6057	k .46321
Check ?	Chk Fail	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Warn	Chk Pass
High Limit	50.000	10.000	200.00			50.000	107.00	20.000	5.0000	
Low Limit	-2.0000	-.00300	-.20000			-.10000	-.21400	-.10000	-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **6.9644**	kW **-.01388**	kF **-.68398**	k **1.1370**	kF **105.28**	k **.17765**
Stddev	.0045	.00265	.00488	.0011	.18	.00044
%RSD	.06421	19.084	.71389	.10025	.16637	.24871
#1	k 6.9676	k -.01575	k -.68053	k 1.1378	k 105.41	k .17796
#2	k 6.9613	k -.01201	k -.68744	k 1.1362	k 105.16	k .17734
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		5.0000	50.000		50.000	
Low Limit		-.01000	-.10000		-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7139.5**	**92366.**	**10711.**
Stddev	48.1	193.	144.
%RSD	.67314	.20847	1.3454
#1	7105.6	92230.	10813.
#2	7173.5	92502.	10609.

Sample Name: 280-47043-a-4-a Acquired: 9/26/2013 5:29:21 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**11.703**	**.02240**	**.63634**	**.12825**	**.00046**	**-.00119**	**126.89**	**.00409**	**.02808**
Stddev	.00035	.056	.00301	.00180	.00008	.00002	.00107	.18	.00032	.00023
%RSD	27.203	.47964	13.454	.28220	.06559	3.6924	89.561	.14182	7.8216	.80417
#1	-.00105	11.663	.02027	.63761	.12819	.00044	-.00195	126.76	.00386	.02824
#2	-.00154	11.743	.02453	.63507	.12831	.00047	-.00044	127.01	.00432	.02792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0064**	**.64902**	**46.151**	**75.696**	**.08387**	**44.640**	**6.4760**	**1.6596**	W **746.70**	**.71161**
Stddev	.0134	.00024	.590	.204	.00408	.082	.0094	.0063	2.60	.00227
%RSD	.26809	.03753	1.2785	.26999	4.8682	.18360	.14462	.38173	.34822	.31968
#1	5.0159	.64920	45.734	75.552	.08675	44.698	6.4694	1.6641	744.86	.71322
#2	4.9969	.64885	46.568	75.841	.08098	44.582	6.4827	1.6551	748.53	.71000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.0901**	**.03519**	F **378.89**	F **-.04045**	**.00363**	**26.682**	**57.100**	**1.3277**	**.99259**	**-.00232**
Stddev	.0314	.00075	.96	.00096	.00207	.060	.129	.0076	.00323	.00125
%RSD	.34602	2.1253	.25408	2.3819	56.902	.22524	.22524	.57381	.32507	54.128
#1	9.1124	.03466	379.57	-.03977	.00510	26.640	57.009	1.3331	.99030	-.00320
#2	9.0679	.03572	378.20	-.04114	.00217	26.725	57.191	1.3223	.99487	-.00143
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00	50.000						
Low Limit	-1.0000		-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17639**	**.00153**	F **-.11868**	**.03039**	**1.8670**	**.00753**
Stddev	.00052	.00099	.04787	.00020	.0010	.00092
%RSD	.29663	64.517	40.336	.65419	.05558	12.264
#1	.17602	.00223	-.08483	.03053	1.8677	.00819
#2	.17676	.00083	-.15253	.03025	1.8663	.00688
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6825.6**	**88193.**	**8409.1**
Stddev	26.4	18.	31.9
%RSD	.38607	.02051	.37981
#1	6806.9	88180.	8386.5
#2	6844.2	88206.	8431.6

Sample Name: CCVH-2271055 Acquired: 9/26/2013 5:31:42 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00303**	**49.512**	**.00274**	**.01103**	**.00005**	**-.00004**	**.97679**	**.04940**	**.00032**	**-.00036**	**-.00028**	**-.00415**
Stddev	.00021	.108	.00293	.00079	.00002	.00006	.00127	.01324	.00031	.00038	.00003	.00013
%RSD	7.0292	.21904	106.89	7.1315	32.939	155.05	.12979	26.804	98.153	104.24	9.5194	3.0375
#1	-.00288	49.435	.00067	.01158	.00007	.00000	.97590	.05876	.00010	-.00009	-.00026	-.00406
#2	-.00318	49.588	.00481	.01047	.00004	-.00008	.97769	.04003	.00054	-.00063	-.00029	-.00423
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.687**	**.69208**	**.00667**	**-.07000**	**.00037**	**.00103**	**261.44**	**-.00008**	**.00446**	**.00098**	**4.9848**	**.00362**
Stddev	.441	.00040	.00317	.00214	.00011	.00024	.20	.00005	.00171	.00214	.0068	.00079
%RSD	.92477	.05791	47.558	3.0640	28.339	23.144	.07732	66.271	38.473	219.10	.13570	21.898
#1	47.375	.69180	.00443	-.07152	.00045	.00120	261.30	-.00012	.00324	-.00054	4.9800	.00306
#2	47.999	.69237	.00891	-.06848	.00030	.00086	261.59	-.00004	.00567	.00249	4.9896	.00418
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00825**	**.05462**	**.11689**	**.04384**	**.00054**	W **4.6446**	**.00540**	**.00314**	**9.6887**	**.00017**	**.00074**	**-.01768**
Stddev	.00257	.02556	.05469	.00032	.00006	.0239	.00017	.00005	.0465	.00053	.00000	.00087
%RSD	31.212	46.787	46.787	.72993	11.652	.51407	3.1315	1.6736	.47978	313.90	.57567	4.9240
#1	-.00643	.03655	.07822	.04361	.00059	4.6615	.00552	.00310	9.7216	.00055	.00074	-.01829
#2	-.01007	.07269	.15556	.04406	.00050	4.6277	.00528	.00317	9.6558	-.00021	.00075	-.01706
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7209.8**	**93753.**	**8647.7**
Stddev	7.4	543.	49.6
%RSD	.10204	.57925	.57355
#1	7215.0	93369.	8682.7
#2	7204.6	94137.	8612.6

Sample Name: CCV-2271054 Acquired: 9/26/2013 5:34:05 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF .04261	F .05378	kF .10117	F .05200	kF .00090	kF .00167	k .00504	kF .02292	kF .05037	kF .05227	F .05368	kF .03698
Stddev	.04893	.00082	.00068	.00102	.00247	.00243	.00110	.02638	.00054	.00062	.00059	.04830
%RSD	114.82	1.5296	.67022	1.9529	274.74	145.23	21.846	115.11	1.0770	1.1805	1.0964	130.60
#1	.00802	.05436	.10165	.05272	-.00085	-.00004	.00426	.00426	.05076	.05271	.05410	.00283
#2	k .07721	.05320	k .10070	.05128	k .00265	k .00339	k .00582	k .04157	k .04999	k .05183	.05327	k .07113
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000	.50000
Range	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%		-10.490%	-10.490%	-10.490%	-10.490%	-10.490%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .02451	F .27353	kF .00857	^F *****	^F *****	F .04920	F .21893	kF .05344	kF .09516	kF .10650	k .05327	kF .07226
Stddev	.02128	.23069	.00453	-----	-----	.00069	.07789	.00075	.00238	.00080	.00109	.00025
%RSD	86.832	84.339	52.916	-----	-----	1.4030	35.577	1.3988	2.5021	.75525	2.0395	.33952
#1	.00946	.11040	.00536	.33995	.00999	.04969	.16386	.05397	.09685	.10707	.05404	.07243
#2	.03955	.43665	k .01177	^ -----	^ -----	.04871	.27401	k .05291	k .09348	k .10593	k .05250	k .07208
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000		1.0000
Range	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%		-10.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF .08843	F .02604	F .05573	kF .13143	F .00176	k .00905	kF .04222	kF .10489	k -.00242	kF .04253	kF .04541	kF .00633
Stddev	.00080	.04572	.09784	.00051	.00253	.00154	.04876	.00103	.00699	.05027	.04999	.00310
%RSD	.90915	175.58	175.58	.38794	143.45	17.056	115.49	.98486	288.77	118.20	110.07	48.998
#1	.08900	-.00629	-.01346	.13179	-.00003	.01014	.00774	.10563	.00252	.00698	.01007	.00414
#2	k .08787	.05837	.12491	k .13107	.00355	k .00796	k .07669	k .10416	k -.00737	k .07808	k .08076	k .00852
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	1.0000	5.0000	10.700	1.0000	.50000		.50000	1.0000		.50000	.50000	.50000
Range	-10.490%	-10.490%	-10.490%	-10.490%	-10.490%		-10.490%	-10.490%		-10.490%	-10.490%	-10.490%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	12305.	166590.	17240.
Stddev	231.	8736.	935.
%RSD	1.8754	5.2439	5.4256
#1	12469.	172770.	17902.
#2	12142.	160420.	16579.

Sample Name: CCB Acquired: 9/26/2013 5:36:55 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00014**	**.00315**	**.00250**	W **-.00081**	**-.00002**	**.00685**	**-.00037**	**-.00007**	**.00009**	**.00029**
Stddev	.00012	.00013	.00069	.00067	.00027	.00007	.00215	.00031	.00010	.00006	.00009
%RSD	48.769	91.326	21.811	26.912	32.733	315.67	31.297	83.451	145.75	69.104	29.627
#1	.00016	.00005	.00266	.00297	-.00062	.00003	.00837	-.00059	.00000	.00014	.00023
#2	.00033	.00023	.00363	.00202	-.00100	-.00007	.00534	-.00015	-.00014	.00005	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00397**	**.00258**	**.10462**	W **.00451**	**.00315**	**.00007**	**.00013**	**.08739**	**.00020**	**.00093**	**-.00065**
Stddev	.00001	.00078	.06991	.00036	.00067	.00002	.00001	.01537	.00014	.00012	.00038
%RSD	.15141	30.235	66.823	7.9580	21.335	28.126	9.5856	17.584	69.935	12.884	59.055
#1	-.00397	.00203	.15406	.00476	.00268	.00006	.00014	.09826	.00030	.00102	-.00092
#2	-.00396	.00313	.05519	.00426	.00363	.00008	.00012	.07653	.00010	.00085	-.00038
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00261							
Low Limit	-.00272			-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04576**	**-.00230**	W **-.00598**	**-.00655**	**-.01402**	F **.03310**	**-.00002**	**.00700**	**.00053**	**.00282**	**-.02213**
Stddev	.00267	.00168	.00181	.00927	.01984	.00017	.00007	.00090	.00009	.00039	.00884
%RSD	5.8290	73.063	30.185	141.48	141.48	.50835	325.72	12.918	16.390	13.817	39.935
#1	.04764	-.00349	-.00726	.00000	.00001	.03298	.00003	.00764	.00059	.00310	-.02838
#2	.04387	-.00111	-.00471	-.01311	-.02805	.03322	-.00007	.00636	.00047	.00255	-.01588
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486			.01166					
Low Limit			-.00486			-.01166					

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00093**	**.00010**	W **.00275**
Stddev	.00024	.00031	.00121
%RSD	26.044	311.29	43.851
#1	-.00110	-.00012	.00190
#2	-.00076	.00032	.00361
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**11930.**	**223990.**	**16295.**
Stddev	223.	37445.	2228.
%RSD	1.8685	16.717	13.673
#1	11772.	250470.	14720.
#2	12087.	197520.	17870.

Sample Name: CCVL2271034 Acquired: 9/26/2013 5:39:11 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00066	F .01157	F .00327	F .01177	F -.00094	F -.00002	F .01722	F .00003	F .00043	F .00131	F .00149	F -.00324
Stddev	.00035	.00378	.00013	.00361	.00000	.00004	.00281	.00146	.00016	.00050	.00032	.00136
%RSD	53.116	32.707	3.8363	30.689	.23081	253.31	16.336	5528.4	37.583	38.431	21.659	41.853
#1	.00041	.01424	.00336	.01432	-.00094	-.00004	.01921	-.00101	.00055	.00167	.00171	-.00421
#2	.00091	.00889	.00318	.00922	-.00095	.00001	.01523	.00106	.00032	.00095	.00126	-.00228
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00124	F .05847	F .00419	F .01372	F .00054	F .00213	F .05395	F .00485	F .28758	F .00042	.04045	F -.00179
Stddev	.00090	.03843	.00094	.01435	.00072	.00050	.01770	.00144	.10105	.00012	.00192	.00216
%RSD	72.235	65.725	22.523	104.58	133.56	23.578	32.804	29.752	35.139	27.967	4.7370	120.88
#1	.00188	.08565	.00352	.00358	.00003	.00248	.06646	.00586	.35903	.00034	.04180	-.00026
#2	.00061	.03130	.00486	.02387	.00105	.00177	.04144	.00383	.21612	.00051	.03909	-.00332
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900		.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%		-30.000%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00642	F -.00862	F -.01845	F .04136	F -.00002	F .00740	F .00096	F .00415	F -.02010	F -.00021	F .00116	F .00381
Stddev	.00248	.00374	.00801	.00317	.00004	.00128	.00051	.00081	.00441	.00105	.00149	.00170
%RSD	38.578	43.411	43.411	7.6731	248.92	17.298	53.381	19.552	21.950	508.89	128.60	44.535
#1	-.00467	-.01127	-.02411	.04360	-.00005	.00649	.00059	.00472	-.01698	-.00095	.00011	.00261
#2	-.00817	-.00597	-.01279	.03912	.00001	.00830	.00132	.00358	-.02322	.00054	.00221	.00501
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.50000	1.0700	.10000	.01000	.01500	.01000	.01500	.06000	.01000	.02000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	12060.	195870.	17190.
Stddev	249.	51501.	2518.
%RSD	2.0618	26.293	14.646
#1	11884.	232290.	15410.
#2	12236.	159450.	18970.

Sample Name: 280-47043-a-5-a Acquired: 9/26/2013 5:41:25 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03654**	**4.8275**	**.03142**	**.84118**	**.21872**	**.00015**	**.00472**	**155.63**	**.08886**	**.00656**
Stddev	.00044	.0282	.00100	.00309	.00016	.00002	.00206	.36	.00051	.00021
%RSD	1.2011	.58342	3.1910	.36710	.07502	16.015	43.704	.22980	.57745	3.1404
#1	.03685	4.8474	.03213	.83900	.21860	.00016	.00617	155.88	.08850	.00641
#2	.03623	4.8076	.03072	.84337	.21883	.00013	.00326	155.38	.08923	.00671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47933**	**.68644**	**36.189**	**32.611**	**.05396**	**52.070**	**1.5551**	**.35494**	**467.54**	**.06663**
Stddev	.00057	.00325	.062	.088	.00029	.171	.0040	.00217	1.83	.00020
%RSD	.11902	.47295	.17251	.26910	.53014	.32761	.25697	.61224	.39140	.29688
#1	.47892	.68874	36.233	32.549	.05376	52.190	1.5579	.35341	468.83	.06677
#2	.47973	.68415	36.145	32.673	.05416	51.949	1.5523	.35648	466.24	.06649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1403**	**.03427**	F **375.55**	**-.00534**	**.01448**	**17.304**	**37.031**	**.71717**	**1.8789**	**-.00297**
Stddev	.0058	.00082	.21	.00223	.00188	.078	.167	.00138	.0005	.00119
%RSD	.13957	2.3840	.05547	41.715	12.976	.45175	.45175	.19193	.02700	39.921
#1	4.1362	.03369	375.70	-.00377	.01581	17.249	36.913	.71814	1.8793	-.00213
#2	4.1443	.03485	375.40	-.00692	.01315	17.359	37.149	.71619	1.8786	-.00381
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06582**	**.00098**	**-.04593**	**.02021**	**2.7887**	**.00625**
Stddev	.00016	.00111	.00171	.00005	.0036	.00162
%RSD	.24382	112.91	3.7293	.25400	.12860	25.901
#1	.06571	.00176	-.04472	.02025	2.7912	.00739
#2	.06594	.00020	-.04715	.02017	2.7862	.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6792.1**	**88342.**	**8443.9**
Stddev	29.8	219.	10.6
%RSD	.43830	.24767	.12514
#1	6813.1	88187.	8451.4
#2	6771.0	88497.	8436.4

Sample Name: 280-47043-a-6-a Acquired: 9/26/2013 5:43:42 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .11859	5.8635	.01126	.78396	.26837	.00020	.00963	257.66	.04163	.00905
Stddev	.00040	.0167	.00126	.00926	.00167	.00006	.00345	2.07	.00028	.00013
%RSD	.33580	.28448	11.160	1.1813	.62045	30.472	35.879	.80485	.67784	1.4822
#1	.11830	5.8753	.01215	.77742	.26720	.00015	.00718	256.19	.04143	.00896
#2	.11887	5.8517	.01038	.79051	.26955	.00024	.01207	259.12	.04183	.00915
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27214	1.1437	38.556	49.477	.05884	250.81	3.4685	.21977	W 1647.9	.09704
Stddev	.00157	.0020	.135	.222	.00282	1.40	.0350	.00094	3.8	.00044
%RSD	.57795	.17760	.34952	.44769	4.7870	.55745	1.0100	.42591	.23081	.45721
#1	.27103	1.1452	38.461	49.320	.05685	249.83	3.4933	.21911	1645.2	.09673
#2	.27326	1.1423	38.651	49.633	.06083	251.80	3.4438	.22043	1650.6	.09735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2837	.08842	F 626.17	-.00246	-.00058	21.561	46.140	.18191	4.0659	-.00149
Stddev	.0093	.00092	.01	.00064	.00142	.251	.536	.00039	.0054	.00287
%RSD	.72510	1.0453	.00084	26.126	245.25	1.1627	1.1627	.21591	.13195	192.55
#1	1.2772	.08777	626.16	-.00201	.00043	21.383	45.761	.18219	4.0621	-.00352
#2	1.2903	.08907	626.17	-.00292	-.00159	21.738	46.519	.18164	4.0697	.00054
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10242	.00115	W -.07128	.02035	2.1515	.00604
Stddev	.00080	.00091	.01135	.00030	.0008	.00038
%RSD	.77715	78.893	15.924	1.4991	.03734	6.2289
#1	.10185	.00179	-.07931	.02013	2.1510	.00577
#2	.10298	.00051	-.06326	.02056	2.1521	.00630
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6347.8	81900.	8234.2
Stddev	9.4	249.	20.2
%RSD	.14859	.30429	.24486
#1	6341.1	82076.	8248.4
#2	6354.4	81723.	8219.9

Sample Name: 280-47043-a-7-a Acquired: 9/26/2013 5:46:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00605	k 6.4661	k -.00343	1.2699	.39315	k .00026	k .01564	288.31	k .00720	k .00658
Stddev	.00100	.0033	.00370	.0026	.00070	.00001	.00312	.04	.00022	.00001
%RSD	16.473	.05047	108.04	.20107	.17787	3.9423	19.918	.01542	2.9919	.13100
#1	k .00534	k 6.4638	k -.00604	1.2681	.39266	k .00027	k .01344	288.28	k .00705	k .00658
#2	k .00675	k 6.4684	k -.00081	1.2717	.39365	k .00025	k .01785	288.34	k .00736	k .00657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .72079	k .58463	kF 39.864	W 119.99	k .08565	k 135.51	k 1.9335	.23669	W 1210.6	k .04393
Stddev	.00013	.00235	.329	.32	.00296	.41	.0067	.00013	1.1	.00026
%RSD	.01771	.40271	.82516	.26741	3.4544	.30085	.34908	.05568	.09371	.58810
#1	k .72088	k .58296	k 39.632	119.77	k .08355	k 135.22	k 1.9287	.23660	1209.8	k .04412
#2	k .72070	k .58629	k 40.097	120.22	k .08774	k 135.80	k 1.9383	.23678	1211.4	k .04375
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			2000.0	100.00					500.00	
Low Limit			40.000	-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 1.3001	k .08825	kF 480.66	k .01212	k .00194	k 19.216	k 41.121	k .42055	3.1827	k .03013
Stddev	.0025	.00143	.69	.00056	.00281	.226	.483	.00127	.0059	.00036
%RSD	.19481	1.6150	.14351	4.6377	144.68	1.1737	1.1737	.30285	.18641	1.1987
#1	k 1.2984	k .08724	k 480.17	k .01252	k -.00004	k 19.056	k 40.780	k .41965	3.1785	k .03038
#2	k 1.3019	k .08925	k 481.14	k .01172	k .00393	k 19.375	k 41.462	k .42145	3.1869	k .02987
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .11450	k .00263	kW -.06594	k .01623	k 1.1237	k .00107
Stddev	.00006	.00155	.00712	.00001	.0052	.00038
%RSD	.05374	59.116	10.804	.04657	.45914	35.224
#1	k .11454	k .00153	k -.07098	k .01624	k 1.1201	k .00134
#2	k .11446	k .00373	k -.06091	k .01623	k 1.1273	k .00080
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6587.1	84465.	8380.7
Stddev	14.7	445.	21.9
%RSD	.22345	.52649	.26149
#1	6576.7	84780.	8365.2
#2	6597.5	84151.	8396.2

Sample Name: 280-47043-a-8-a Acquired: 9/26/2013 5:49:49 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**17.707**	**.01673**	**.63921**	**1.6115**	**.00094**	**.01288**	**119.20**	**.00494**	**.01903**
Stddev	.00004	.088	.00081	.00053	.0014	.00002	.00202	.42	.00023	.00023
%RSD	2.9582	.49464	4.8178	.08310	.08737	1.6043	15.699	.34819	4.7380	1.1833
#1	.00151	17.646	.01730	.63883	1.6105	.00093	.01145	118.91	.00477	.01919
#2	.00144	17.769	.01616	.63958	1.6125	.00095	.01432	119.50	.00510	.01887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81131**	**.91716**	**90.099**	**21.151**	**.04241**	**54.525**	**3.9866**	**.25277**	**327.75**	**.12954**
Stddev	.00041	.00406	.103	.053	.00037	.253	.0258	.00085	1.04	.00036
%RSD	.05024	.44280	.11437	.25025	.86803	.46408	.64751	.33469	.31607	.27527
#1	.81102	.91428	90.172	21.114	.04267	54.346	3.9684	.25217	327.02	.12929
#2	.81160	.92003	90.026	21.188	.04215	54.704	4.0049	.25337	328.48	.12979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4070**	**.32830**	F **474.62**	**-.00324**	**.00829**	**35.896**	**76.817**	**.46778**	**1.0221**	**.00374**
Stddev	.0041	.00014	.28	.00057	.00052	.239	.512	.00241	.0019	.00141
%RSD	.28857	.04318	.05903	17.668	6.2390	.66629	.66629	.51569	.18187	37.616
#1	1.4041	.32840	474.82	-.00284	.00793	35.727	76.455	.46607	1.0208	.00275
#2	1.4098	.32820	474.42	-.00365	.00866	36.065	77.179	.46948	1.0234	.00474
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25677**	**.00151**	F **-.10940**	**.06279**	**2.4807**	**.02079**
Stddev	.00284	.00126	.04346	.00014	.0125	.00005
%RSD	1.1075	83.037	39.725	.21794	.50290	.25581
#1	.25476	.00062	-.14013	.06270	2.4719	.02083
#2	.25878	.00240	-.07867	.06289	2.4895	.02075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7163.4**	**91021.**	**8717.6**
Stddev	38.1	543.	76.7
%RSD	.53184	.59673	.87940
#1	7190.3	91405.	8771.8
#2	7136.4	90637.	8663.4

Sample Name: 280-47043-a-9-a Acquired: 9/26/2013 5:52:10 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00092	k 5.6028	k .00797	.81896	.71421	k .00038	k .01251	83.772	k .00305	k .01181
Stddev	.00015	.0095	.00514	.00014	.00083	.00002	.00030	.066	.00004	.00005
%RSD	16.174	.16923	64.496	.01684	.11598	4.0771	2.4258	.07824	1.4428	.40115
#1	k .00081	k 5.5961	k .00434	.81905	.71362	k .00039	k .01229	83.818	k .00308	k .01184
#2	k .00102	k 5.6095	k .01160	.81886	.71480	k .00037	k .01272	83.725	k .00302	k .01177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .41541	k .76364	kF 39.665	30.448	k .04528	k 31.448	k 1.1151	.05595	328.99	k .07268
Stddev	.00077	.00091	.135	.100	.00178	.061	.0039	.00038	.46	.00025
%RSD	.18578	.11887	.34145	.32755	3.9414	.19333	.34627	.67403	.13912	.34829
#1	k .41486	.76428	k 39.761	30.378	k .04654	k 31.491	k 1.1179	.05568	329.31	k .07250
#2	k .41595	k .76299	k 39.570	30.519	k .04402	k 31.405	k 1.1124	.05621	328.67	k .07286
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			2000.0							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 1.5367	k .07869	kF 413.97	k .00863	k .00237	k 16.187	k 34.641	k .15206	.96726	k .03520
Stddev	.0020	.00058	.05	.00193	.00610	.068	.146	.00085	.00050	.00110
%RSD	.12789	.73415	.01195	22.416	257.38	.42128	.42128	.55866	.05181	3.1209
#1	k 1.5353	k .07910	k 413.94	k .00999	k -.00194	k 16.236	k 34.744	k .15146	.96690	k .03597
#2	k 1.5381	k .07828	k 414.01	k .00726	k .00668	k 16.139	k 34.538	k .15266	.96761	k .03442
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .07781	k .00184	k .00232	k .04301	k 1.1451	k .00596
Stddev	.00043	.00003	.04168	.00046	.0004	.00072
%RSD	.55678	1.4848	1794.4	1.0790	.03514	12.055
#1	k .07812	k .00182	k -.02715	k .04268	k 1.1448	k .00545
#2	k .07750	k .00186	k .03179	k .04334	k 1.1454	k .00646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7086.8	91673.	8589.8
Stddev	9.5	99.	30.7
%RSD	.13346	.10846	.35737
#1	7080.1	91743.	8568.1
#2	7093.5	91603.	8611.5

Sample Name: 280-47043-a-10-a Acquired: 9/26/2013 5:54:26 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192936 6010B DENVER WASTE

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**20.633**	**.01790**	**1.3583**	**.44983**	**.00103**	**.01580**	**122.97**	**.01868**	**.03283**
Stddev	.00079	.011	.00407	.0042	.00138	.00000	.00181	.12	.00021	.00017
%RSD	692.33	.05243	22.724	.30613	.30629	.21957	11.481	.09907	1.1413	.52555
#1	-.00045	20.626	.02078	1.3612	.44886	.00103	.01452	122.88	.01853	.03271
#2	.00068	20.641	.01503	1.3553	.45080	.00103	.01708	123.05	.01883	.03296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5797**	**1.9876**	**105.21**	**16.941**	**.07039**	**38.767**	**3.4998**	**.59610**	**488.89**	**.18313**
Stddev	.0002	.0040	.67	.016	.00169	.060	.0100	.00031	1.02	.00030
%RSD	.00438	.20011	.63900	.09229	2.4071	.15569	.28681	.05180	.20887	.16521
#1	3.5798	1.9904	104.73	16.929	.07159	38.810	3.4927	.59632	488.17	.18334
#2	3.5796	1.9848	105.68	16.952	.06919	38.724	3.5069	.59588	489.62	.18292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6323**	**.11739**	F **607.95**	F **-.02206**	**.01230**	**40.872**	**87.466**	W **3.3720**	**.94971**	**.00322**
Stddev	.0025	.00028	.64	.00177	.00102	.056	.120	.0045	.00149	.00159
%RSD	.09483	.24252	.10599	8.0303	8.3193	.13673	.13673	.13300	.15670	49.181
#1	2.6305	.11719	607.50	-.02331	.01302	40.832	87.382	3.3688	.94866	.00435
#2	2.6341	.11759	608.41	-.02080	.01158	40.912	87.551	3.3752	.95077	.00210
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		200.00	50.000				2.0000		
Low Limit	-1.0000		-.20000	-.02000				-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33545**	**.00104**	W **-.08940**	**.06535**	**2.8862**	**.01729**
Stddev	.00021	.00105	.01948	.00027	.0002	.00012
%RSD	.06172	100.35	21.792	.40939	.00677	.67416
#1	.33560	.00030	-.07562	.06554	2.8860	.01737
#2	.33530	.00179	-.10317	.06516	2.8863	.01721
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7059.4**	**89347.**	**8656.3**
Stddev	.1	11.	33.0
%RSD	.00108	.01270	.38154
#1	7059.4	89339.	8633.0
#2	7059.5	89355.	8679.7

Sample Name: CCVH-2271055 Acquired: 9/26/2013 5:56:47 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**49.559**	**.00300**	**.00870**	**.00033**	**.00000**	**.96864**	**.04508**	**.00012**	**-.00074**	**-.00034**	**-.00361**
Stddev	.00044	.094	.00366	.00024	.00010	.00007	.00053	.01358	.00017	.00010	.00016	.00012
%RSD	17.954	.19051	121.93	2.7950	30.447	3624.1	.05436	30.135	135.94	13.607	45.544	3.2047
#1	-.00278	49.492	.00560	.00853	.00026	.00005	.96827	.05468	.00024	-.00067	-.00023	-.00369
#2	-.00215	49.626	.00041	.00888	.00040	-.00004	.96901	.03547	.00000	-.00081	-.00045	-.00353
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.649**	**.29060**	**.00446**	**-.07515**	**.00008**	**.00029**	**263.28**	**-.00033**	**.00293**	**.00081**	**4.9945**	**.00056**
Stddev	.291	.00998	.00226	.00138	.00001	.00028	1.91	.00004	.00010	.00207	.0176	.00051
%RSD	.61078	3.4337	50.737	1.8351	12.014	95.050	.72410	12.793	3.5741	256.28	.35182	91.227
#1	47.855	.28354	.00286	-.07418	.00007	.00010	261.93	-.00036	.00285	-.00065	5.0070	.00020
#2	47.444	.29766	.00606	-.07613	.00009	.00049	264.63	-.00030	.00300	.00227	4.9821	.00093
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01028**	**.01641**	**.03511**	**.01503**	**.00068**	W **4.6591**	**.00504**	**.00221**	**9.6017**	**.00022**	**.00049**	**-.01990**
Stddev	.00356	.00626	.01339	.00085	.00019	.0180	.00023	.00086	.0006	.00016	.00008	.00001
%RSD	34.667	38.126	38.126	5.6721	28.437	.38601	4.4934	39.164	.00681	69.816	15.838	.04525
#1	-.01279	.01198	.02565	.01563	.00082	4.6718	.00520	.00282	9.6012	.00011	.00043	-.01991
#2	-.00776	.02083	.04458	.01442	.00055	4.6464	.00488	.00160	9.6022	.00033	.00054	-.01990
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7041.1**	**91290.**	**8291.9**
Stddev	30.8	530.	21.2
%RSD	.43678	.58060	.25561
#1	7062.9	91665.	8306.8
#2	7019.4	90915.	8276.9

Sample Name: CCV-2271054 Acquired: 9/26/2013 5:59:05 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50803**	**.50471**	**1.0293**	**.52234**	**.49597**	**.48895**	**.00312**	**5.0134**	**.50962**	**.50141**	**.51577**	**.50026**	**2.4644**
Stddev	.00219	.00111	.0042	.00311	.00036	.00116	.00043	.0120	.00058	.00024	.00165	.00104	.0074
%RSD	.43142	.21920	.41177	.59532	.07168	.23790	13.737	.23851	.11348	.04713	.31922	.20887	.30187
#1	.50648	.50549	1.0263	.52014	.49572	.48813	.00282	5.0050	.50921	.50124	.51461	.49952	2.4697
#2	.50958	.50392	1.0323	.52454	.49622	.48977	.00343	5.0219	.51003	.50158	.51694	.50100	2.4592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.352**	**1.0176**	**19.116**	**.49440**	**.48771**	F **5.5253**	**.51589**	**.96499**	**1.0426**	**.09729**	**.96707**	**1.0279**	**5.0040**
Stddev	.107	.0052	.005	.00063	.00317	.0245	.00074	.00585	.0035	.00006	.00149	.0067	.0516
%RSD	.20413	.50688	.02791	.12664	.64969	.44250	.14429	.60580	.33748	.05894	.15411	.65539	1.0316
#1	52.277	1.0139	19.112	.49484	.48547	5.5426	.51536	.96085	1.0401	.09733	.96601	1.0231	4.9675
#2	52.428	1.0212	19.120	.49396	.48995	5.5081	.51641	.96912	1.0451	.09725	.96812	1.0327	5.0405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.709**	**.98343**	**.49600**	**-.00430**	**.48524**	**1.0109**	**.00167**	**.50233**	**.48513**	**.49471**
Stddev	.110	.00553	.00005	.00096	.00105	.0061	.02461	.00006	.00070	.00409
%RSD	1.0316	.56200	.01069	22.263	.21618	.60512	1469.9	.01198	.14375	.82593
#1	10.631	.97952	.49604	-.00497	.48598	1.0066	.01908	.50237	.48563	.49182
#2	10.787	.98734	.49596	-.00362	.48450	1.0153	-.01573	.50229	.48464	.49760
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7222.8**	**94332.**	**8356.9**
Stddev	16.7	325.	63.6
%RSD	.23151	.34449	.76150
#1	7234.7	94562.	8401.9
#2	7211.0	94102.	8311.9

Sample Name: CCB Acquired: 9/26/2013 6:01:13 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00142**	**.00331**	W **.00440**	**.00021**	**.00011**	**.00299**	**.00775**	**-.00017**	**.00018**	**.00003**	**.00009**
Stddev	.00061	.00018	.00086	.00007	.00022	.00002	.00133	.00304	.00032	.00015	.00005	.00013
%RSD	107.73	12.328	25.984	1.5782	101.80	21.433	44.476	39.239	185.69	83.216	173.11	150.18
#1	.00100	.00154	.00392	.00445	.00037	.00013	.00393	.00560	-.00040	.00007	-.00001	-.00001
#2	.00014	.00130	.00271	.00435	.00006	.00009	.00205	.00990	.00005	.00029	.00007	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00291**	F **.25852**	**.00217**	**.00363**	**.00008**	**.00063**	F **.22397**	**-.00010**	**-.00220**	**.00009**	**.08914**	F **.01742**
Stddev	.00029	.00450	.00208	.00223	.00002	.00024	.01527	.00018	.00040	.00003	.00275	.00240
%RSD	10.033	1.7399	95.863	61.335	30.355	38.957	6.8197	182.35	18.168	28.922	3.0808	13.756
#1	.00270	.25534	.00364	.00521	.00010	.00046	.23477	.00003	-.00249	.00007	.09109	.01573
#2	.00311	.26170	.00070	.00206	.00006	.00080	.21317	-.00022	-.00192	.00011	.08720	.01912
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.25000					.18320					.00628
Low Limit		-.25000					-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00434**	**.01254**	**.02683**	F **.01372**	**.00012**	**-.00028**	**.00023**	**.00131**	**.00519**	**.00020**	**.00131**	**-.00020**
Stddev	.00403	.00642	.01373	.00002	.00001	.00072	.00035	.00050	.01448	.00049	.00010	.00060
%RSD	92.885	51.173	51.173	.15914	7.0807	254.78	153.16	38.415	279.09	240.01	7.5248	297.22
#1	-.00718	.01708	.03654	.01371	.00012	-.00079	-.00002	.00166	.01543	.00055	.00138	.00022
#2	-.00149	.00800	.01712	.01374	.00013	.00023	.00048	.00095	-.00505	-.00014	.00124	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01166								
Low Limit				-.01166								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7250.4**	**95792.**	**8342.7**
Stddev	25.3	126.	.8
%RSD	.34859	.13182	.00941
#1	7268.2	95703.	8343.3
#2	7232.5	95882.	8342.2

Sample Name: CCVL2271034 Acquired: 9/26/2013 6:03:30 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.10258**	**.01870**	**.10205**	**.00978**	**.00100**	**.10897**	**.20717**	**.00515**	**.01047**	**.01081**	**.01471**	**.10129**
Stddev	.00026	.00059	.00029	.00013	.00001	.00004	.00039	.00038	.00023	.00026	.00007	.00018	.00135
%RSD	2.4263	.57470	1.5707	.12762	.11155	3.6828	.35725	.18329	4.4634	2.5207	.61040	1.2102	1.3359
#1	.01079	.10217	.01891	.10196	.00977	.00098	.10925	.20744	.00531	.01065	.01086	.01458	.10225
#2	.01043	.10300	.01849	.10214	.00979	.00103	.10870	.20690	.00499	.01028	.01077	.01484	.10034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2576**	F **.01353**	**.19356**	**.00994**	**.01884**	**1.2189**	**.04194**	**2.7506**	**.00991**	**.08024**	**.01143**	**.01156**	**.50542**
Stddev	.0285	.00158	.00051	.00016	.00012	.0060	.00002	.0002	.00129	.00279	.00096	.00091	.00767
%RSD	.87624	11.659	.26546	1.6375	.63910	.49442	.04435	.00749	13.056	3.4779	8.3708	7.8582	1.5169
#1	3.2374	.01464	.19320	.00983	.01875	1.2146	.04193	2.7505	.01083	.08221	.01210	.01092	.51084
#2	3.2778	.01241	.19393	.01006	.01892	1.2232	.04196	2.7507	.00900	.07827	.01075	.01220	.50000
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0816**	**.11101**	**.00990**	**.01330**	**.00950**	**.01674**	**.05990**	**.01010**	**.02100**	**.01409**
Stddev	.0164	.00084	.00004	.00036	.00010	.00017	.00140	.00009	.00055	.00003
%RSD	1.5169	.75900	.37707	2.7191	1.0223	1.0257	2.3298	.89814	2.6320	.18217
#1	1.0932	.11161	.00993	.01356	.00943	.01686	.05891	.01016	.02139	.01407
#2	1.0700	.11041	.00988	.01305	.00957	.01662	.06088	.01003	.02061	.01411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7315.6**	**97236.**	**8465.7**
Stddev	19.4	146.	5.4
%RSD	.26553	.15061	.06373
#1	7329.3	97339.	8461.9
#2	7301.8	97132.	8469.5

Sample Name: lb 280-191495/1-d Acquired: 9/26/2013 6:05:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192694 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00414**	**.00219**	**.01041**	**.00267**	**-.00002**	**-.00088**	W **.12274**	**-.00013**	**-.00026**
Stddev	.00083	.00005	.00159	.00069	.00003	.00011	.00018	.00215	.00028	.00006
%RSD	1240.7	1.1991	72.490	6.6744	1.1251	717.80	20.135	1.7518	210.48	21.283
#1	-.00066	.00411	.00331	.01090	.00269	.00006	-.00075	.12122	-.00033	-.00022
#2	.00052	.00418	.00107	.00992	.00265	-.00009	-.00100	.12427	.00006	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00353**	**.01122**	**.25412**	**.00409**	**.01627**	**.00016**	**.00019**	**294.04**	**.00136**
Stddev	.00003	.00072	.00130	.00795	.00328	.00412	.00003	.00014	.21	.00042
%RSD	14.256	20.457	11.569	3.1293	80.009	25.329	17.343	70.555	.07263	30.548
#1	.00022	.00405	.01030	.25974	.00178	.01335	.00018	.00010	293.89	.00107
#2	.00018	.00302	.01213	.24849	.00641	.01918	.00014	.00029	294.20	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**.00017**	W **.08454**	**.00042**	**-.00731**	**.01538**	**.03292**	**.01227**	**.00029**	**-.00340**
Stddev	.00101	.00103	.00300	.00071	.00319	.00690	.01477	.00064	.00006	.00023
%RSD	47.277	592.00	3.5504	169.41	43.685	44.882	44.882	5.1794	19.496	6.7397
#1	.00286	.00090	.08242	-.00008	-.00957	.01050	.02247	.01272	.00025	-.00324
#2	.00143	-.00055	.08666	.00092	-.00505	.02026	.04336	.01182	.00033	-.00356
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00167**	**.00102**	**-.00003**	**.00641**	**.00030**
Stddev	.00050	.00011	.00144	.00006	.00050	.00112
%RSD	255.95	6.6549	140.22	181.39	7.7384	367.36
#1	-.00016	.00175	.00001	.00001	.00606	-.00049
#2	.00055	.00160	.00204	-.00008	.00676	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.2**	**91026.**	**8393.9**
Stddev	1.0	132.	6.5
%RSD	.01389	.14464	.07737
#1	6929.6	91119.	8398.5
#2	6930.9	90932.	8389.3

Sample Name: lcs 280-191495/2-d Acquired: 9/26/2013 6:08:15 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192694 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20593**	W **.37558**	**.80557**	**.20392**	**2.3000**	**.00923**	**.37309**	**9.6053**	**.21805**	**.09440**
Stddev	.00069	.00060	.00445	.00054	.0034	.00008	.00302	.0072	.00011	.00045
%RSD	.33600	.15927	.55221	.26674	.14802	.83380	.80913	.07539	.05221	.47998
#1	.20544	.37516	.80243	.20353	2.3024	.00917	.37095	9.6104	.21813	.09472
#2	.20642	.37600	.80872	.20430	2.2976	.00928	.37522	9.6002	.21797	.09407
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0238**	**.43132**	**.20004**	**10.289**	**.19397**	F **8.7626**	**.09901**	**.18994**	F **290.88**	**.09894**
Stddev	.0003	.00066	.00068	.017	.00072	.0031	.00326	.00073	.11	.00028
%RSD	.03331	.15206	.34178	.16741	.36930	.03539	3.2878	.38635	.03933	.28186
#1	1.0236	.43178	.19955	10.301	.19346	8.7648	.10131	.18942	290.96	.09875
#2	1.0241	.43085	.20052	10.277	.19447	8.7604	.09671	.19046	290.80	.09914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9179**	**1.0781**	**.07472**	F **.08729**	**.59434**	**1.9163**	F **4.1009**	**.38363**	**.19000**	**.17923**
Stddev	.0065	.0032	.00049	.00356	.00333	.0134	.0287	.00056	.00046	.00131
%RSD	.34087	.29348	.64954	4.0802	.56038	.69956	.69956	.14638	.24155	.73078
#1	1.9225	1.0758	.07437	.08477	.59670	1.9068	4.0806	.38403	.19032	.18016
#2	1.9133	1.0803	.07506	.08980	.59199	1.9258	4.1212	.38324	.18967	.17831
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.10800			4.9220			
Low Limit				.08800			4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18840**	**.36249**	**.37388**	**.09655**	**.51405**	**.09582**
Stddev	.00051	.00103	.01248	.00077	.00089	.00008
%RSD	.26860	.28449	3.3370	.80264	.17354	.08237
#1	.18804	.36176	.36506	.09601	.51342	.09576
#2	.18876	.36322	.38271	.09710	.51468	.09587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6840.9**	**90316.**	**8412.7**
Stddev	12.9	34.	9.8
%RSD	.18922	.03763	.11620
#1	6850.1	90340.	8419.6
#2	6831.8	90292.	8405.8

Sample Name: 280-46620-b-1-h Acquired: 9/26/2013 6:10:32 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192694 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.21268**	**.00371**	**.01249**	**.01287**	**.00000**	**.00301**	**40.004**	**.00274**	**.00277**
Stddev	.00095	.00121	.00126	.00003	.00002	.0000	.00197	.071	.00006	.00009
%RSD	689.68	.56765	34.116	.24823	.11795	26869.	65.305	.17626	2.1050	3.3504
#1	-.00053	.21183	.00460	.01246	.01286	-.00003	.00440	40.054	.00270	.00270
#2	.00081	.21354	.00281	.01251	.01288	.00003	.00162	39.955	.00278	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00990**	**.39101**	**1.3775**	**.01927**	**2.1749**	**.28530**	**.00033**	**286.95**	**.00718**
Stddev	.00010	.00032	.00017	.0062	.00594	.0046	.00046	.00005	.01	.00012
%RSD	26.231	3.2740	.04357	.44656	30.817	.21388	.16251	15.956	.00373	1.6775
#1	.00045	.01013	.39089	1.3819	.01507	2.1781	.28497	.00029	286.96	.00726
#2	.00031	.00967	.39113	1.3732	.02347	2.1716	.28562	.00036	286.94	.00709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3572**	**.00429**	**3.6051**	**.00066**	W **-.00804**	**3.9467**	**8.4459**	**.01157**	**.15446**	**-.00246**
Stddev	.0040	.00014	.0004	.00059	.00003	.0022	.0047	.00015	.00035	.00091
%RSD	.29799	3.3729	.01087	90.389	.39929	.05556	.05556	1.2889	.22522	37.135
#1	1.3543	.00439	3.6048	.00108	-.00807	3.9451	8.4425	.01167	.15471	-.00311
#2	1.3600	.00419	3.6053	.00024	-.00802	3.9482	8.4492	.01146	.15422	-.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00079**	**.00853**	**.00079**	**.94805**	**-.00075**
Stddev	.00003	.00142	.02942	.00040	.00263	.00076
%RSD	4.8502	178.63	344.82	50.704	.27699	101.53
#1	.00070	-.00021	.02934	.00108	.94990	-.00129
#2	.00065	.00179	-.01227	.00051	.94619	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.0**	**89702.**	**8275.3**
Stddev	2.7	208.	2.7
%RSD	.03867	.23225	.03236
#1	6931.9	89849.	8273.4
#2	6928.1	89554.	8277.2

Sample Name: 280-46620-b-1-hSD@5 Acquired: 9/26/2013 6:12:55 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192694 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.06416**	**.00338**	**.00675**	**.00270**	**.00003**	**.00130**	**8.4715**	**.00035**	**.00062**
Stddev	.00022	.00010	.00085	.00005	.00017	.00001	.00149	.0351	.00011	.00021
%RSD	164.03	.16363	24.982	.80602	6.4175	43.115	114.95	.41459	31.157	34.352
#1	.00029	.06424	.00279	.00671	.00282	.00002	.00235	8.4963	.00043	.00077
#2	-.00002	.06409	.00398	.00679	.00258	.00005	.00024	8.4467	.00027	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00219**	**.10961**	**.42887**	**.00836**	**.47233**	**.06043**	**-.00020**	**61.289**	**.00093**
Stddev	.00007	.00026	.00203	.00286	.00020	.00227	.00002	.00029	.605	.00039
%RSD	23.130	11.979	1.8562	.66671	2.3515	.48014	.03710	146.53	.98739	41.603
#1	.00024	.00200	.10817	.42685	.00823	.47073	.06041	.00001	61.717	.00066
#2	.00033	.00237	.11105	.43089	.00850	.47394	.06045	-.00040	60.861	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27611**	**-.00092**	**.79612**	**-.00201**	**-.00386**	**.82423**	**1.7638**	**.01045**	**.03270**	**-.00197**
Stddev	.00020	.00057	.00309	.00058	.00098	.00524	.0112	.00031	.00033	.00301
%RSD	.07379	62.217	.38758	28.939	25.332	.63602	.63602	2.9542	1.0137	152.69
#1	.27596	-.00051	.79393	-.00242	-.00317	.82052	1.7559	.01067	.03247	-.00410
#2	.27625	-.00132	.79830	-.00160	-.00455	.82793	1.7718	.01024	.03294	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00201**	**-.01579**	**.00009**	**.19880**	**-.00244**
Stddev	.00007	.00085	.07036	.00005	.00189	.00263
%RSD	40.700	42.055	445.67	56.708	.94865	107.47
#1	-.00012	.00141	.03397	.00013	.19747	-.00059
#2	-.00021	.00261	-.06554	.00005	.20013	-.00430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7087.5**	**93422.**	**8269.7**
Stddev	53.8	117.	75.6
%RSD	.75867	.12541	.91478
#1	7049.5	93505.	8216.2
#2	7125.6	93339.	8323.2

Sample Name: 280-46620-b-1-i ms Acquired: 9/26/2013 6:15:14 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192694 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20658	.56157	.81583	.20619	2.3064	.00943	F .36999	46.561	.22120	.09655
Stddev	.00057	.00261	.00000	.00066	.0033	.00013	.00200	.026	.00077	.00026
%RSD	.27769	.46429	.00058	.31920	.14163	1.3994	.54095	.05602	.35034	.27222
#1	.20698	.56341	.81583	.20573	2.3087	.00934	.36857	46.543	.22065	.09636
#2	.20617	.55973	.81584	.20666	2.3041	.00952	.37140	46.580	.22175	.09673
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0289	.43739	.54380	11.384	.21129	10.624	.35605	.18914	276.19	.10393
Stddev	.0011	.00027	.00587	.004	.00008	.025	.00024	.00004	.28	.00015
%RSD	.10777	.06193	1.0791	.03953	.03929	.23646	.06676	.01964	.10297	.14588
#1	1.0297	.43719	.54795	11.387	.21135	10.642	.35622	.18917	275.99	.10404
#2	1.0281	.43758	.53965	11.380	.21123	10.607	.35588	.18912	276.39	.10382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.1756	1.0810	3.3224	.08835	.59776	5.6923	12.181	.37664	.33156	.17720
Stddev	.0103	.0021	.0069	.00071	.00019	.0062	.013	.00091	.00127	.00071
%RSD	.32271	.19220	.20620	.80559	.03218	.10825	.10825	.24139	.38319	.39787
#1	3.1684	1.0825	3.3175	.08785	.59789	5.6966	12.191	.37728	.33246	.17671
#2	3.1829	1.0795	3.3272	.08885	.59762	5.6879	12.172	.37600	.33066	.17770
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18935	.35840	.36974	.09847	1.3344	.09737
Stddev	.00054	.00125	.00792	.00008	.0016	.00350
%RSD	.28674	.34742	2.1432	.07715	.12101	3.5911
#1	.18897	.35928	.37534	.09852	1.3333	.09489
#2	.18973	.35752	.36414	.09842	1.3356	.09984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6948.5	89239.	8149.1
Stddev	55.2	515.	36.6
%RSD	.79436	.57742	.44941
#1	6909.5	88875.	8175.0
#2	6987.5	89603.	8123.2

Sample Name: 280-46620-b-1-j msd Acquired: 9/26/2013 6:17:29 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192694 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21420	.57868	.83785	.21295	2.3980	.00978	F .38319	48.147	.22784	.09909
Stddev	.00030	.00011	.00079	.00109	.0079	.00013	.00166	.114	.00002	.00009
%RSD	.14011	.01906	.09454	.51329	.32957	1.2850	.43291	.23592	.00789	.08839
#1	.21399	.57860	.83729	.21217	2.3924	.00969	.38202	48.067	.22785	.09903
#2	.21441	.57876	.83842	.21372	2.4036	.00987	.38436	48.228	.22783	.09915
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0581	.45354	.55935	11.800	.22128	10.939	.36637	.19476	286.83	.10647
Stddev	.0003	.00075	.00007	.038	.00081	.007	.00005	.00029	.62	.00072
%RSD	.02915	.16577	.01303	.31948	.36388	.06103	.01355	.14945	.21494	.67451
#1	1.0583	.45408	.55930	11.774	.22071	10.944	.36641	.19455	286.39	.10596
#2	1.0579	.45301	.55940	11.827	.22185	10.935	.36634	.19496	287.26	.10698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.2862	1.1103	3.4250	.09354	.61216	5.7913	12.393	.38670	.34414	.18332
Stddev	.0111	.0001	.0062	.00095	.00385	.0511	.109	.00226	.00110	.00185
%RSD	.33893	.00608	.18114	1.0201	.62962	.88169	.88169	.58502	.31889	1.0118
#1	3.2784	1.1102	3.4206	.09287	.60943	5.7552	12.316	.38510	.34336	.18463
#2	3.2941	1.1103	3.4294	.09422	.61488	5.8274	12.471	.38830	.34492	.18201
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19586	.36756	.39629	.10218	1.3733	.09880
Stddev	.00065	.00057	.02159	.00080	.0034	.00196
%RSD	.32971	.15548	5.4489	.77914	.24459	1.9887
#1	.19632	.36796	.38102	.10274	1.3709	.09741
#2	.19541	.36715	.41156	.10162	1.3757	.10019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6983.2	90997.	8364.5
Stddev	5.2	115.	6.9
%RSD	.07476	.12659	.08306
#1	6986.9	90915.	8359.6
#2	6979.5	91078.	8369.4

Sample Name: CCVH-2271055 Acquired: 9/26/2013 6:19:45 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**49.404**	**.00090**	**.00432**	**.00090**	**.00000**	**.96108**	**.02053**	**.00033**	**-.00041**	**-.00051**	**-.00340**
Stddev	.00018	.059	.00012	.00027	.00048	.00004	.00069	.00506	.00004	.00006	.00016	.00009
%RSD	9.3692	.11937	13.717	6.3488	52.783	1146.4	.07181	24.643	11.057	15.205	31.472	2.7592
#1	-.00180	49.446	.00098	.00452	.00124	-.00003	.96059	.02411	.00030	-.00046	-.00039	-.00333
#2	-.00205	49.363	.00081	.00413	.00057	.00003	.96157	.01695	.00035	-.00037	-.00062	-.00346
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.054**	**.16833**	**.00348**	**-.08051**	**-.00044**	**.00004**	**264.47**	**-.00013**	**.00224**	**.00167**	**4.8184**	**.00136**
Stddev	.148	.04257	.00037	.00167	.00002	.00013	.57	.00047	.00229	.00073	.0084	.00292
%RSD	.31410	25.289	10.501	2.0805	5.0458	304.73	.21601	360.90	102.14	43.543	.17449	214.16
#1	46.950	.19843	.00374	-.08169	-.00043	.00013	264.87	.00020	.00386	.00115	4.8124	.00343
#2	47.159	.13823	.00322	-.07932	-.00046	-.00005	264.06	-.00047	.00062	.00218	4.8243	-.00070
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00836**	**-.00587**	**-.01257**	**.00917**	**.00045**	W **4.6238**	**.00485**	**.00064**	**9.6527**	**.00096**	**.00049**	**-.01609**
Stddev	.00459	.00963	.02060	.00002	.00015	.0028	.00025	.00088	.0258	.00014	.00037	.00176
%RSD	54.905	163.89	163.89	.26639	34.342	.06137	5.0664	138.50	.26725	14.715	74.779	10.911
#1	-.01161	-.01268	-.02713	.00919	.00056	4.6218	.00467	.00126	9.6345	.00106	.00023	-.01733
#2	-.00511	.00093	.00200	.00915	.00034	4.6258	.00502	.00001	9.6710	.00086	.00075	-.01485
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7047.0**	**91749.**	**8315.8**
Stddev	5.0	254.	83.8
%RSD	.07087	.27638	1.0071
#1	7050.6	91569.	8256.6
#2	7043.5	91928.	8375.1

Sample Name: CCV-2271054 Acquired: 9/26/2013 6:22:00 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50615**	**.51710**	**1.0376**	**.52185**	**.49407**	**.48674**	**.00418**	**4.9950**	**.51040**	**.50119**	**.51676**	**.49777**	**2.4570**
Stddev	.00054	.00679	.0041	.00306	.00020	.00118	.00226	.0141	.00057	.00012	.00044	.00079	.0048
%RSD	.10574	1.3130	.39349	.58594	.04143	.24154	53.953	.28243	.11248	.02476	.08588	.15840	.19656
#1	.50577	.52190	1.0405	.52401	.49421	.48591	.00259	4.9851	.50999	.50128	.51707	.49833	2.4604
#2	.50653	.51230	1.0347	.51969	.49392	.48757	.00578	5.0050	.51081	.50110	.51645	.49721	2.4535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.302**	**1.0229**	**18.899**	**.49069**	**.48480**	**5.4382**	**.51609**	**.96045**	**1.0451**	**.03305**	**.96517**	**1.0254**	**5.0498**
Stddev	.101	.0011	.009	.00008	.00256	.0265	.00006	.00992	.0036	.00336	.00273	.0004	.0113
%RSD	.19380	.10441	.05024	.01688	.52764	.48761	.01189	1.0332	.33982	10.173	.28323	.04084	.22300
#1	52.230	1.0221	18.906	.49075	.48661	5.4570	.51605	.96746	1.0476	.03543	.96711	1.0257	5.0419
#2	52.373	1.0237	18.893	.49063	.48299	5.4195	.51613	.95343	1.0426	.03067	.96324	1.0251	5.0578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.807**	**.97957**	**.49486**	**-.00517**	**.48308**	**1.0153**	**.00347**	**.50049**	**.48301**	**.49548**
Stddev	.024	.00104	.00011	.00143	.00063	.0035	.03695	.00079	.00053	.00104
%RSD	.22300	.10603	.02227	27.548	.13013	.34776	1064.5	.15814	.11042	.21001
#1	10.790	.97883	.49478	-.00417	.48264	1.0128	-.02266	.49993	.48263	.49475
#2	10.824	.98030	.49494	-.00618	.48353	1.0178	.02960	.50105	.48338	.49622
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7200.9**	**94560.**	**8308.3**
Stddev	1.7	60.	102.1
%RSD	.02385	.06296	1.2288
#1	7199.7	94518.	8380.5
#2	7202.1	94602.	8236.1

Sample Name: CCB Acquired: 9/26/2013 6:24:07 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00108**	**.00088**	**.00268**	**.00011**	**.00017**	**.00196**	**.00313**	**-.00001**	**.00011**	**.00009**
Stddev	.00001	.00038	.00304	.00032	.00039	.00000	.00069	.00007	.00004	.00002	.00004
%RSD	6.9107	35.314	346.86	12.117	351.61	1.8901	35.256	2.2853	800.76	21.782	40.261
#1	.00008	.00135	-.00127	.00291	-.00016	.00017	.00147	.00318	.00002	.00009	.00007
#2	.00008	.00081	.00303	.00245	.00039	.00017	.00245	.00308	-.00003	.00012	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00219**	**.18627**	W **.00366**	**.00455**	**.00004**	**.00066**	W **.17555**	**.00004**	**-.00055**	**-.00067**
Stddev	.00006	.00041	.04264	.00174	.00120	.00003	.00078	.02576	.00002	.00046	.00037
%RSD	22.087	18.649	22.894	47.649	26.456	78.640	117.89	14.674	56.763	82.451	54.956
#1	.00022	.00190	.15611	.00489	.00540	.00002	.00011	.19376	.00006	-.00023	-.00041
#2	.00030	.00248	.21642	.00243	.00370	.00006	.00122	.15733	.00002	-.00087	-.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04222**	F **.01795**	W **-.00545**	**.02060**	**.04408**	W **.00825**	**.00010**	**-.00060**	**-.00016**	**.00061**	**-.01833**
Stddev	.00038	.00357	.00409	.00387	.00828	.00001	.00003	.00076	.00011	.00049	.01393
%RSD	.89131	19.868	75.035	18.791	18.791	.12821	32.543	127.55	69.204	81.125	76.016
#1	.04248	.01543	-.00835	.01786	.03823	.00824	.00007	-.00114	-.00023	.00095	-.00848
#2	.04195	.02047	-.00256	.02334	.04994	.00825	.00012	-.00006	-.00008	.00026	-.02818
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486			.00583					
Low Limit		-.00628	-.00486			-.00583					

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00021**	**.00164**	**-.00038**
Stddev	.00039	.00008	.00076
%RSD	188.24	4.9154	201.64
#1	.00048	.00158	.00016
#2	-.00007	.00170	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7231.4**	**95790.**	**8247.0**
Stddev	9.4	10.	41.1
%RSD	.12988	.01033	.49778
#1	7238.0	95783.	8218.0
#2	7224.7	95797.	8276.1

Sample Name: CCVL2271034 Acquired: 9/26/2013 6:26:24 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.10263**	**.01535**	**.10005**	**.00982**	**.00101**	**.10805**	**.20391**	**.00523**	**.01034**	**.01054**	**.01479**	**.10145**
Stddev	.00049	.00050	.00117	.00078	.00014	.00000	.00226	.00126	.00009	.00016	.00014	.00044	.00046
%RSD	4.5762	.49110	7.6029	.78033	1.4515	.47788	2.0953	.61607	1.6933	1.5684	1.3378	3.0019	.44937
#1	.01109	.10227	.01452	.10060	.00993	.00101	.10965	.20480	.00529	.01023	.01064	.01511	.10177
#2	.01039	.10299	.01617	.09950	.00972	.00102	.10645	.20302	.00516	.01046	.01044	.01448	.10113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2512**	**.01145**	**.19373**	**.00995**	**.01907**	**1.2034**	**.04222**	**2.7328**	**.00945**	**.04189**	**.01133**	F **.00891**	**.49788**
Stddev	.0700	.00010	.00041	.00005	.00007	.0265	.00013	.0195	.00058	.00098	.00012	.00232	.00147
%RSD	2.1526	.88685	.21146	.51822	.36733	2.2029	.30091	.71225	6.1383	2.3510	1.0487	25.996	.29463
#1	3.3007	.01137	.19344	.00991	.01902	1.2221	.04230	2.7466	.00904	.04119	.01124	.00727	.49685
#2	3.2017	.01152	.19402	.00998	.01912	1.1846	.04213	2.7191	.00986	.04258	.01141	.01055	.49892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0655**	**.10555**	**.00999**	**.01286**	**.00946**	**.01658**	**.04352**	**.00989**	**.02049**	**.01579**
Stddev	.0031	.00037	.00007	.00070	.00009	.00200	.01762	.00003	.00005	.00096
%RSD	.29463	.35057	.75035	5.4789	.94180	12.086	40.484	.29075	.24786	6.1007
#1	1.0633	.10581	.00994	.01236	.00953	.01800	.03106	.00991	.02053	.01510
#2	1.0677	.10529	.01004	.01336	.00940	.01517	.05598	.00987	.02046	.01647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7270.3**	**96485.**	**8350.3**
Stddev	24.2	838.	57.0
%RSD	.33313	.86827	.68254
#1	7287.4	97077.	8310.0
#2	7253.2	95892.	8390.6

Sample Name: lb2 280-192700/1-b Acquired: 9/26/2013 6:28:42 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00700**	**.00290**	**.00782**	**.00091**	**.00000**	**.00396**	W **.14451**	**.00010**	**-.00009**
Stddev	.00017	.00003	.00114	.00100	.00008	.0000	.00066	.00111	.00023	.00009
%RSD	47.868	.39076	39.344	12.769	8.5979	3891.7	16.694	.76982	229.00	108.45
#1	.00023	.00702	.00209	.00853	.00086	-.00003	.00349	.14530	.00027	-.00002
#2	.00047	.00698	.00371	.00712	.00097	.00002	.00443	.14372	-.00006	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00073**	**.01487**	**.16491**	**.00251**	**.01433**	**.00055**	**.00019**	W **.65643**	**.00006**
Stddev	.00000	.00001	.00071	.00263	.00060	.00178	.00005	.00027	.02093	.00011
%RSD	1.8214	.80460	4.8060	1.5972	23.957	12.415	8.8802	141.35	3.1880	180.25
#1	.00012	.00072	.01437	.16677	.00209	.01558	.00058	.00000	.64163	.00013
#2	.00012	.00073	.01538	.16304	.00294	.01307	.00051	.00038	.67123	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01978**	**-.00047**	W **.05688**	**.00135**	**-.00549**	**-.00226**	**-.00484**	**.00975**	**.00034**	**-.00061**
Stddev	.00059	.00036	.00010	.00112	.00198	.00466	.00996	.00019	.00008	.00014
%RSD	2.9988	78.217	.17852	83.390	35.980	205.81	205.81	1.9274	22.837	22.455
#1	.01936	-.00072	.05681	.00214	-.00689	-.00555	-.01189	.00988	.00040	-.00051
#2	.02020	-.00021	.05695	.00055	-.00409	.00103	.00220	.00962	.00029	-.00070
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00017**	**-.01373**	**-.00002**	**.00643**	**-.00051**
Stddev	.00015	.00087	.01715	.00063	.00020	.00042
%RSD	92.329	524.29	124.87	3953.4	3.0533	82.207
#1	.00006	-.00078	-.02586	.00043	.00657	-.00081
#2	.00026	.00045	-.00161	-.00046	.00629	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7371.3**	**97988.**	**8448.1**
Stddev	12.2	390.	15.3
%RSD	.16489	.39837	.18128
#1	7362.7	97712.	8458.9
#2	7379.9	98264.	8437.3

Sample Name: lcs 280-192700/2-b Acquired: 9/26/2013 6:30:58 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20885**	W **.40289**	**.80794**	**.21022**	**2.3784**	**.00961**	**.40297**	**9.9650**	**.22319**	**.09929**
Stddev	.00143	.00025	.00113	.00006	.0018	.00006	.00054	.0206	.00037	.00023
%RSD	.68471	.06264	.14007	.03077	.07705	.64517	.13391	.20676	.16404	.23089
#1	.20784	.40271	.80874	.21018	2.3797	.00957	.40335	9.9504	.22293	.09946
#2	.20986	.40307	.80714	.21027	2.3771	.00966	.40259	9.9796	.22345	.09913
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0603**	**.44164**	**.20538**	**10.511**	**.20706**	**9.2863**	**.09746**	**.19524**	**11.112**	**.10237**
Stddev	.0003	.00053	.00384	.066	.00262	.0365	.00003	.00063	.074	.00006
%RSD	.02842	.11974	1.8697	.62347	1.2637	.39336	.02985	.32158	.66805	.06035
#1	1.0606	.44126	.20267	10.465	.20891	9.2605	.09748	.19480	11.164	.10241
#2	1.0601	.44201	.20810	10.558	.20521	9.3121	.09744	.19569	11.059	.10232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9257**	**1.1527**	**.04607**	**.09233**	**.59599**	**1.9852**	F **4.2484**	**.39569**	**.19694**	**.18024**
Stddev	.0064	.0018	.00092	.00299	.00019	.0236	.0505	.00012	.00009	.00119
%RSD	.33380	.15996	2.0024	3.2430	.03216	1.1879	1.1879	.02989	.04773	.65825
#1	1.9303	1.1540	.04673	.09445	.59612	1.9685	4.2127	.39578	.19701	.17940
#2	1.9212	1.1514	.04542	.09021	.59585	2.0019	4.2841	.39561	.19688	.18108
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							4.9220			
Low Limit							4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19128**	**.40597**	**.36937**	**.09904**	**.48593**	**.09439**
Stddev	.00055	.00139	.01145	.00030	.00056	.00031
%RSD	.28842	.34185	3.0997	.30313	.11514	.32926
#1	.19089	.40695	.37746	.09883	.48632	.09417
#2	.19167	.40499	.36127	.09925	.48553	.09461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.1**	**93014.**	**8183.8**
Stddev	4.3	334.	191.1
%RSD	.06022	.35857	2.3347
#1	7069.1	92778.	8318.9
#2	7063.1	93250.	8048.7

Sample Name: 280-46961-a-1-b Acquired: 9/26/2013 6:33:09 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00248**	**-.00182**	**.21164**	**.04332**	**-.00005**	**.00231**	**456.73**	**.00031**	**.00016**
Stddev	.00056	.00034	.00034	.00207	.00036	.00007	.00141	2.28	.00000	.00014
%RSD	183.65	13.698	18.586	.97806	.82385	133.18	60.896	.49916	.31001	93.011
#1	.00009	.00272	-.00206	.21018	.04358	.00000	.00331	455.12	.00030	.00005
#2	-.00069	.00224	-.00158	.21310	.04307	-.00010	.00132	458.34	.00031	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00147**	**7.8680**	**6.1038**	**.00926**	**10.020**	**.48747**	**.00469**	**27.612**	**.00067**
Stddev	.00017	.00028	.0035	.0330	.00212	.039	.00142	.00019	.393	.00015
%RSD	127.61	19.303	.04460	.54043	22.929	.38738	.29101	4.0586	1.4241	22.378
#1	.00025	.00127	7.8655	6.1271	.00775	9.9921	.48647	.00455	27.334	.00056
#2	.00001	.00167	7.8704	6.0804	.01076	10.047	.48847	.00482	27.890	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**-.00114**	**149.57**	**.00185**	**-.00345**	**1.6917**	**3.6202**	**.00750**	**.48427**	**.00012**
Stddev	.00143	.00004	.48	.00120	.00291	.0030	.0063	.00027	.00118	.00002
%RSD	82.040	3.7154	.31779	64.930	84.139	.17510	.17510	3.6181	.24325	17.025
#1	.00073	-.00111	149.24	.00270	-.00551	1.6938	3.6247	.00770	.48510	.00011
#2	.00275	-.00117	149.91	.00100	-.00140	1.6896	3.6157	.00731	.48343	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00242**	**-.04585**	**.00066**	**.00370**	**.00046**
Stddev	.00008	.00006	.01153	.00043	.00015	.00039
%RSD	9.3503	2.5336	25.142	65.410	4.0186	84.486
#1	-.00081	.00238	-.03770	.00036	.00381	.00019
#2	-.00093	.00246	-.05401	.00097	.00360	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6595.9**	**86567.**	**7944.4**
Stddev	38.2	380.	20.9
%RSD	.57950	.43901	.26248
#1	6568.9	86836.	7929.6
#2	6623.0	86299.	7959.1

Sample Name: 280-46961-a-2 Acquired: 9/26/2013 6:35:31 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00325**	**-.00480**	**.09451**	**.09707**	**-.00010**	**-.00174**	W **511.78**	**.00038**	**.00021**
Stddev	.00061	.00003	.00300	.00028	.00081	.00005	.00269	6.28	.00010	.00023
%RSD	504.68	1.0286	62.515	.29754	.83690	48.458	154.49	1.2271	27.200	105.32
#1	-.00031	.00327	-.00692	.09431	.09764	-.00013	-.00364	507.34	.00031	.00037
#2	.00055	.00323	-.00268	.09471	.09649	-.00007	.00016	516.22	.00045	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00090**	**.00666**	**11.071**	**.01973**	**19.530**	**.00026**	**.00067**	**30.304**	**-.00002**
Stddev	.00012	.00024	.00038	.001	.00202	.013	.00009	.00010	.054	.00025
%RSD	10.554	26.831	5.6965	.01291	10.219	.06835	33.694	15.384	.17828	1153.1
#1	.00101	.00107	.00693	11.070	.02115	19.539	.00033	.00060	30.266	.00016
#2	.00117	.00073	.00639	11.072	.01830	19.521	.00020	.00075	30.342	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.02094**	F **221.80**	**.00797**	W **-.00595**	**.07824**	**.16743**	**.00615**	**.73990**	**-.00001**
Stddev	.00100	.00094	.21	.00025	.00892	.01868	.03997	.00050	.00434	.00401
%RSD	339.51	4.4815	.09380	3.1278	149.87	23.873	23.873	8.0565	.58706	32348.
#1	.00100	.02160	221.95	.00815	.00036	.06503	.13917	.00580	.74297	-.00285
#2	-.00041	.02028	221.65	.00780	-.01225	.09145	.19570	.00650	.73682	.00282
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00		5.0000					
Low Limit			-.20000		-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.00254**	**-.04218**	**.00068**	**.00265**	**-.00046**
Stddev	.00026	.00007	.02387	.00035	.00094	.00005
%RSD	35.557	2.7750	56.606	51.096	35.629	10.949
#1	-.00093	.00259	-.05906	.00093	.00331	-.00042
#2	-.00055	.00249	-.02529	.00044	.00198	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6675.6**	**88251.**	**8114.1**
Stddev	3.3	158.	22.8
%RSD	.04874	.17898	.28077
#1	6677.9	88139.	8098.0
#2	6673.3	88362.	8130.2

Sample Name: 280-46961-a-3-b Acquired: 9/26/2013 6:37:55 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00386**	**-.00304**	**.08442**	**.16932**	**-.00004**	**.00014**	W **501.33**	**.00006**	**-.00028**
Stddev	.00021	.00020	.00344	.00011	.00014	.00000	.00305	11.52	.00032	.00001
%RSD	228.58	5.1920	113.09	.13204	.07998	12.329	2156.5	2.2984	496.84	4.7011
#1	-.00006	.00372	-.00548	.08450	.16942	-.00003	.00230	509.48	-.00016	-.00027
#2	.00024	.00401	-.00061	.08434	.16923	-.00004	-.00202	493.18	.00029	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**.00121**	**.00749**	**3.5807**	**.00766**	**.03009**	**.00029**	**.00695**	**22.783**	**.00011**
Stddev	.00012	.00010	.00217	.0116	.00070	.00108	.00002	.00001	.319	.00007
%RSD	4.4055	8.2079	28.913	.32311	9.1765	3.5752	8.2197	.20333	1.4009	62.118
#1	.00267	.00114	.00596	3.5725	.00815	.03085	.00031	.00694	23.008	.00006
#2	.00284	.00128	.00902	3.5888	.00716	.02933	.00028	.00696	22.557	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**-.00094**	**149.57**	**.00136**	**-.00480**	**.18646**	**.39902**	**.00712**	**.43007**	**.00013**
Stddev	.00029	.00068	.05	.00326	.00255	.02059	.04405	.00007	.00165	.00043
%RSD	26.854	73.033	.03079	239.63	53.109	11.040	11.040	1.0166	.38417	340.31
#1	.00127	-.00142	149.54	.00367	-.00299	.17190	.36787	.00707	.43124	.00043
#2	.00087	-.00045	149.60	-.00095	-.00660	.20101	.43017	.00717	.42890	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00262**	**-.04584**	**.00076**	**.00293**	**.00185**
Stddev	.00050	.00033	.02467	.00016	.00016	.00012
%RSD	93.563	12.652	53.829	20.645	5.5445	6.2151
#1	-.00090	.00239	-.06328	.00087	.00282	.00177
#2	-.00018	.00285	-.02839	.00065	.00305	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.2**	**87738.**	**8180.0**
Stddev	16.9	235.	86.7
%RSD	.25389	.26799	1.0604
#1	6654.3	87571.	8118.6
#2	6678.2	87904.	8241.3

Sample Name: 280-46961-a-4-b Acquired: 9/26/2013 6:40:18 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00283**	**-.00041**	**.01658**	**.05187**	**-.00006**	**.00049**	**247.54**	**.00064**	**-.00001**
Stddev	.00011	.00030	.00095	.00019	.00003	.00003	.00183	.31	.00018	.00002
%RSD	70.056	10.441	230.35	1.1643	.05447	48.069	375.44	.12623	28.585	149.25
#1	-.00024	.00304	-.00108	.01672	.05185	-.00008	.00178	247.32	.00077	-.00003
#2	-.00008	.00262	.00026	.01645	.05189	-.00004	-.00081	247.76	.00051	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00812**	**.00204**	**.01283**	**21.125**	**.02020**	**43.130**	**.00019**	**.00040**	**230.14**	**.00017**
Stddev	.00009	.00012	.00362	.080	.00275	.094	.00004	.00009	.64	.00003
%RSD	1.0509	5.9567	28.225	.38079	13.611	.21720	21.989	22.538	.27797	15.454
#1	.00806	.00195	.01539	21.182	.02215	43.064	.00016	.00047	230.59	.00015
#2	.00818	.00212	.01027	21.068	.01826	43.197	.00022	.00034	229.69	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00519**	**-.00113**	**92.607**	**-.00065**	**.00930**	**.04878**	**.10438**	**.00592**	**.27787**	**-.00013**
Stddev	.00179	.00166	.074	.00263	.00335	.00651	.01394	.00068	.00089	.00224
%RSD	34.474	147.47	.08043	407.01	36.073	13.354	13.354	11.529	.32128	1782.5
#1	.00646	-.00230	92.659	-.00251	.01167	.04417	.09452	.00544	.27850	-.00171
#2	.00393	.00005	92.554	.00121	.00693	.05338	.11424	.00640	.27724	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00059**	**-.04233**	**.00039**	**.00285**	**.00050**
Stddev	.00026	.00013	.03078	.00022	.00033	.00072
%RSD	51.418	23.024	72.708	58.134	11.544	144.33
#1	-.00070	.00068	-.02057	.00023	.00262	-.00001
#2	-.00033	.00049	-.06410	.00055	.00308	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6699.4**	**87829.**	**8137.8**
Stddev	12.1	17.	57.0
%RSD	.18100	.01883	.70088
#1	6708.0	87840.	8097.5
#2	6690.8	87817.	8178.2

Sample Name: 280-46961-a-5-b Acquired: 9/26/2013 6:42:41 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00465**	**-.00193**	**.15594**	**.08125**	**-.00006**	**-.00079**	**419.76**	**.00022**	**.00027**
Stddev	.00011	.00022	.00093	.00129	.00018	.00009	.00313	4.53	.00019	.00036
%RSD	43.643	4.7625	48.014	.82868	.21730	155.82	398.89	1.0794	88.553	133.76
#1	.00034	.00450	-.00128	.15503	.08138	-.00012	.00143	422.97	.00008	.00001
#2	.00018	.00481	-.00259	.15686	.08113	.00001	-.00300	416.56	.00035	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01984**	**.00284**	**.00932**	**6.8103**	**.00204**	**12.103**	**.00015**	**.01130**	**74.775**	**.00729**
Stddev	.00017	.00034	.00146	.0561	.00209	.033	.00001	.00013	.720	.00003
%RSD	.87350	12.138	15.619	.82297	102.50	.27123	7.5411	1.1199	.96234	.47523
#1	.01996	.00309	.00829	6.8500	.00056	12.080	.00014	.01121	75.284	.00731
#2	.01972	.00260	.01035	6.7707	.00352	12.126	.00016	.01139	74.266	.00726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**-.00047**	**170.98**	**.00359**	**.00487**	**1.8401**	**3.9379**	**.00684**	**.46374**	**-.00245**
Stddev	.00069	.00089	.07	.00288	.00004	.0312	.0667	.00019	.00256	.00170
%RSD	21.823	191.17	.04302	80.380	.84638	1.6949	1.6949	2.7086	.55293	69.560
#1	.00269	.00016	170.93	.00563	.00490	1.8622	3.9851	.00697	.46555	-.00365
#2	.00367	-.00110	171.03	.00155	.00484	1.8181	3.8907	.00671	.46192	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.00206**	**-.03443**	**.00414**	**.00362**	**-.00021**
Stddev	.00003	.00029	.04625	.00034	.00017	.00039
%RSD	4.6060	14.227	134.32	8.2007	4.5791	188.94
#1	-.00063	.00226	-.00173	.00438	.00374	.00007
#2	-.00059	.00185	-.06713	.00390	.00350	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6679.1**	**88239.**	**8080.2**
Stddev	1.9	105.	30.6
%RSD	.02836	.11891	.37868
#1	6680.5	88165.	8058.5
#2	6677.8	88313.	8101.8

Sample Name: 280-46961-a-6-b Acquired: 9/26/2013 6:45:08 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00628**	**-.00638**	**.16255**	**.07039**	**.00000**	**.00029**	W **522.64**	**.00004**	**.00002**
Stddev	.00011	.00024	.00154	.00015	.00003	.0001	.00037	10.73	.00003	.00037
%RSD	37.537	3.7612	24.177	.09195	.03912	7493.3	129.20	2.0535	66.310	1655.7
#1	-.00022	.00645	-.00529	.16266	.07037	.00009	.00002	515.05	.00006	.00028
#2	-.00037	.00611	-.00747	.16245	.07041	-.00009	.00055	530.23	.00002	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0637**	**.00118**	**.02055**	**35.600**	**.22123**	**.01133**	**.00025**	**.00782**	**201.93**	**.00011**
Stddev	.0005	.00008	.00048	.074	.00243	.00222	.00019	.00000	.10	.00025
%RSD	.05030	6.6087	2.3287	.20715	1.0964	19.579	77.352	.02060	.04759	229.04
#1	1.0641	.00123	.02089	35.652	.21952	.01290	.00039	.00782	201.99	.00029
#2	1.0633	.00112	.02021	35.548	.22295	.00976	.00011	.00782	201.86	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.00007**	**81.538**	**-.00133**	F **-.01176**	**.10259**	**.21955**	**.00578**	**4.1420**	**-.00181**
Stddev	.00442	.00204	.117	.00053	.00460	.02461	.05267	.00077	.0038	.00010
%RSD	284.82	2831.8	.14314	39.661	39.169	23.991	23.991	13.387	.09168	5.3381
#1	-.00157	-.00137	81.620	-.00170	-.01501	.12000	.25679	.00633	4.1447	-.00174
#2	.00467	.00152	81.455	-.00096	-.00850	.08519	.18230	.00523	4.1393	-.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00192**	**-.03586**	**-.00074**	**.16349**	**.00025**
Stddev	.00043	.00126	.00428	.00038	.00079	.00066
%RSD	92.938	65.581	11.927	51.391	.48094	262.45
#1	-.00076	.00281	-.03889	-.00047	.16293	-.00021
#2	-.00016	.00103	-.03284	-.00101	.16404	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6568.4**	**86443.**	**8083.8**
Stddev	9.1	2.	19.1
%RSD	.13921	.00264	.23652
#1	6561.9	86441.	8070.3
#2	6574.8	86444.	8097.3

Sample Name: 280-46961-a-7-b Acquired: 9/26/2013 6:47:34 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.16508**	**-.00276**	**.03278**	**.09318**	**-.00011**	**.00166**	W **536.46**	**.00006**	**.00010**
Stddev	.00091	.00017	.00179	.00082	.00006	.00004	.00006	10.26	.00027	.00021
%RSD	402.44	.10243	64.998	2.5039	.06698	34.562	3.7132	1.9122	412.81	222.44
#1	-.00087	.16520	-.00149	.03336	.09314	-.00008	.00162	543.71	-.00012	-.00006
#2	.00042	.16496	-.00403	.03220	.09322	-.00013	.00171	529.20	.00025	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00330**	**.01702**	**13.742**	**-.00572**	**.01079**	**.00041**	**.04191**	**68.610**	**.00406**
Stddev	.00004	.00021	.00275	.073	.00232	.00260	.00003	.00013	.229	.00010
%RSD	7.1020	6.4672	16.167	.52864	40.603	24.107	8.6231	.29867	.33357	2.5246
#1	.00049	.00315	.01507	13.793	-.00737	.00895	.00038	.04200	68.449	.00413
#2	.00054	.00346	.01896	13.691	-.00408	.01263	.00043	.04182	68.772	.00399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00967**	**75.138**	**.00122**	F **-.01006**	**.07500**	**.16050**	**.00448**	**.31506**	**-.00159**
Stddev	.00123	.00189	.029	.00086	.00570	.02251	.04816	.00026	.00055	.00040
%RSD	115.37	19.484	.03899	70.664	56.677	30.009	30.009	5.7999	.17575	25.103
#1	.00193	.00834	75.159	.00061	-.00603	.05908	.12644	.00467	.31546	-.00188
#2	.00020	.01101	75.117	.00182	-.01409	.09091	.19455	.00430	.31467	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**.00229**	**-.02369**	**.00035**	**.87129**	**.00079**
Stddev	.00006	.00052	.05116	.00037	.00738	.00130
%RSD	8.5380	22.543	215.93	107.37	.84715	163.76
#1	-.00071	.00192	.01248	.00008	.86607	-.00012
#2	-.00063	.00265	-.05987	.00061	.87651	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6636.9**	**87173.**	**8099.3**
Stddev	10.2	291.	12.8
%RSD	.15381	.33387	.15781
#1	6644.1	87379.	8090.3
#2	6629.7	86967.	8108.4

Sample Name: CCVH-2271055 Acquired: 9/26/2013 6:50:00 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**49.650**	**.00326**	**.00316**	**.00024**	**-.00002**	**.96482**	**.15788**	**.00027**	**-.00063**	**-.00051**	**-.00342**
Stddev	.00120	.336	.00124	.00058	.00028	.00002	.00063	.04164	.00025	.00010	.00037	.00035
%RSD	96.991	.67577	38.067	18.371	116.28	102.15	.06568	26.375	95.737	16.473	71.905	10.134
#1	-.00039	49.413	.00238	.00357	.00045	.00000	.96437	.18732	.00045	-.00070	-.00025	-.00366
#2	-.00209	49.887	.00413	.00275	.00004	-.00003	.96527	.12843	.00009	-.00055	-.00078	-.00317
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.346**	**.14474**	**.00354**	**-.08297**	**-.00041**	**-.00030**	**265.52**	**-.00024**	**.00118**	**.00077**	**4.8212**	**.00061**
Stddev	.168	.06223	.00271	.00419	.00000	.00009	2.07	.00005	.00020	.00208	.0105	.00188
%RSD	.35567	42.995	76.467	5.0458	.16678	30.870	.77923	22.444	16.797	270.23	.21716	309.21
#1	47.465	.18875	.00545	-.08593	-.00041	-.00037	264.05	-.00028	.00132	-.00070	4.8286	-.00072
#2	47.227	.10074	.00163	-.08001	-.00041	-.00024	266.98	-.00021	.00104	.00224	4.8138	.00194
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00717**	**.00950**	**.02033**	**.00614**	**.00055**	W **4.6503**	**.00453**	**.00323**	**9.6112**	**.00004**	**.00034**	**-.01597**
Stddev	.00363	.00018	.00039	.00042	.00010	.0073	.00009	.00140	.0142	.00004	.00038	.00461
%RSD	50.631	1.9098	1.9098	6.9055	17.756	.15768	1.9394	43.157	.14795	105.51	112.19	28.855
#1	-.00461	.00963	.02060	.00584	.00062	4.6555	.00447	.00422	9.6213	.00001	.00060	-.01271
#2	-.00974	.00937	.02005	.00644	.00049	4.6451	.00459	.00225	9.6012	.00007	.00007	-.01922
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6967.9**	**89932.**	**8110.7**
Stddev	7.9	11.	2.0
%RSD	.11301	.01205	.02464
#1	6973.5	89925.	8112.1
#2	6962.3	89940.	8109.3

Sample Name: CCV-2271054 Acquired: 9/26/2013 6:52:23 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50834**	**.50463**	**1.0384**	**.52094**	**.49390**	**.48653**	**.00408**	**5.0224**	**.51087**	**.50151**	**.51695**	**.49934**	**2.4452**
Stddev	.00119	.00145	.0028	.00384	.00059	.00026	.00116	.0034	.00104	.00023	.00065	.00100	.0074
%RSD	.23445	.28778	.26672	.73623	.11864	.05370	28.390	.06782	.20372	.04534	.12582	.19936	.30258
#1	.50749	.50361	1.0364	.51823	.49349	.48635	.00490	5.0200	.51013	.50167	.51649	.49864	2.4504
#2	.50918	.50566	1.0403	.52365	.49432	.48672	.00326	5.0248	.51160	.50135	.51741	.50005	2.4399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.507**	**1.0261**	**19.016**	**.49358**	**.48533**	**5.3048**	**.52054**	**.96386**	**1.0511**	**.02654**	**.96332**	**1.0283**	**5.0038**
Stddev	.157	.0034	.000	.00111	.00160	.0462	.00307	.00188	.0029	.00311	.00514	.0063	.0309
%RSD	.29810	.32751	.00204	.22433	.32913	.87107	.58930	.19551	.27254	11.711	.53339	.60930	.61831
#1	52.618	1.0237	19.016	.49280	.48420	5.3375	.51838	.96253	1.0490	.02434	.95969	1.0239	4.9819
#2	52.396	1.0285	19.016	.49436	.48646	5.2722	.52271	.96519	1.0531	.02874	.96695	1.0328	5.0257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.708**	**.97702**	**.49490**	**-.00415**	**.48579**	**1.0133**	**-.02573**	**.50457**	**.48481**	**.49216**
Stddev	.066	.00250	.00090	.00177	.00005	.0025	.04263	.00031	.00039	.00353
%RSD	.61831	.25622	.18175	42.594	.01033	.24822	165.72	.06095	.08063	.71743
#1	10.661	.97525	.49427	-.00540	.48576	1.0115	.00442	.50479	.48453	.48967
#2	10.755	.97879	.49554	-.00290	.48583	1.0150	-.05587	.50435	.48509	.49466
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7160.9**	**93950.**	**8298.9**
Stddev	6.3	55.	5.8
%RSD	.08791	.05887	.07021
#1	7156.5	93911.	8294.7
#2	7165.4	93989.	8303.0

Sample Name: CCB Acquired: 9/26/2013 6:54:33 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00097**	**.00103**	**.00185**	**.00040**	**.00013**	**.00106**	**.01264**	**-.00010**	**.00008**	**.00003**
Stddev	.00057	.00052	.00122	.00041	.00018	.00009	.00123	.00198	.00024	.00012	.00017
%RSD	258.43	53.732	118.16	22.398	45.369	72.078	115.70	15.675	242.58	149.00	548.97
#1	-.00062	.00134	.00017	.00214	.00027	.00020	.00019	.01405	.00007	.00000	-.00009
#2	.00018	.00060	.00189	.00156	.00052	.00006	.00194	.01124	-.00027	.00017	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00332**	**.08584**	W **.00405**	**.00409**	**.00011**	**.00067**	**.08486**	**-.00008**	**-.00015**	**.00005**
Stddev	.00074	.00170	.00641	.00076	.00079	.00010	.00001	.00841	.00003	.00107	.00128
%RSD	1647.8	51.268	7.4718	18.747	19.256	95.613	1.6629	9.9085	41.870	722.03	2343.6
#1	.00048	.00452	.09038	.00351	.00465	.00018	.00066	.07891	-.00005	-.00091	-.00085
#2	-.00057	.00212	.08131	.00459	.00354	.00003	.00068	.09080	-.00010	.00061	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02973**	F **.01448**	W **-.00554**	**.00935**	**.02002**	W **.00596**	**.00014**	**-.00113**	**.00001**	**.00204**	**-.03664**
Stddev	.00048	.00415	.00261	.01585	.03391	.00050	.00005	.00163	.00012	.00058	.05333
%RSD	1.6092	28.681	47.140	169.40	169.40	8.4670	38.272	143.87	1056.4	28.245	145.57
#1	.02939	.01154	-.00370	-.00185	-.00396	.00560	.00010	-.00229	.00010	.00163	.00107
#2	.03007	.01741	-.00739	.02056	.04399	.00632	.00018	.00002	-.00008	.00245	-.07434
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486			.00583					
Low Limit		-.00628	-.00486			-.00583					

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00043**	**.00191**	**.00022**
Stddev	.00014	.00029	.00066
%RSD	32.596	15.122	295.25
#1	.00053	.00211	.00069
#2	.00033	.00170	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7141.5**	**94200.**	**8071.1**
Stddev	.5	14.	40.3
%RSD	.00697	.01434	.49939
#1	7141.2	94210.	8099.6
#2	7141.9	94190.	8042.6

Sample Name: CCVL2271034 Acquired: 9/26/2013 6:56:51 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.10342**	**.01587**	**.10070**	**.00992**	**.00100**	**.10851**	**.21001**	**.00517**	**.01043**	**.01059**	**.01507**	**.09673**
Stddev	.00017	.00030	.00336	.00032	.00017	.00003	.00045	.00222	.00023	.00017	.00000	.00030	.00158
%RSD	1.6520	.29331	21.190	.31893	1.7230	3.1146	.41068	1.0571	4.4582	1.5980	.00130	1.9772	1.6362
#1	.01019	.10320	.01824	.10048	.00980	.00097	.10882	.20844	.00500	.01032	.01059	.01486	.09561
#2	.01043	.10363	.01349	.10093	.01004	.00102	.10819	.21158	.00533	.01055	.01059	.01528	.09785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2181**	F **.01472**	**.19803**	**.00999**	**.01913**	**1.1144**	**.04214**	**2.7650**	**.00976**	**.02851**	**.00955**	F **.00860**	**.49392**
Stddev	.0399	.00127	.00151	.00006	.00016	.0000	.00035	.0104	.00192	.00182	.00214	.00426	.00452
%RSD	1.2405	8.6357	.76099	.55498	.81088	.00268	.84030	.37538	19.699	6.3980	22.367	49.570	.91496
#1	3.2463	.01382	.19696	.00995	.01902	1.1144	.04189	2.7577	.01112	.02980	.00804	.00559	.49073
#2	3.1898	.01562	.19909	.01003	.01924	1.1144	.04239	2.7724	.00840	.02722	.01106	.01161	.49712
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		.01000										.01500	
Range		30.000%										-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0570**	**.10342**	**.00996**	**.01241**	**.00943**	**.01623**	**.04717**	**.01036**	**.02096**	**.01344**
Stddev	.0097	.00052	.00009	.00219	.00031	.00012	.06896	.00055	.00002	.00035
%RSD	.91496	.50614	.90574	17.629	3.2664	.75981	146.19	5.3389	.08652	2.6182
#1	1.0502	.10379	.00989	.01086	.00922	.01632	.09593	.01075	.02098	.01319
#2	1.0638	.10305	.01002	.01396	.00965	.01615	-.00159	.00997	.02095	.01369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7210.7**	**95128.**	**8180.3**
Stddev	13.5	203.	17.1
%RSD	.18722	.21381	.20885
#1	7220.3	94984.	8192.4
#2	7201.2	95272.	8168.2

Sample Name: 280-46961-a-8-b Acquired: 9/26/2013 6:59:11 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.04069**	**-.00086**	**.13762**	**.14754**	**-.00002**	**.00220**	**398.14**	**.00009**	**-.00009**
Stddev	.00063	.00020	.00101	.00135	.00118	.00003	.00048	3.58	.00006	.00018
%RSD	883.67	.48256	117.81	.98033	.79900	103.65	21.958	.89854	70.481	196.15
#1	-.00052	.04083	-.00014	.13858	.14838	-.00004	.00186	395.61	.00013	.00004
#2	.00038	.04055	-.00157	.13667	.14671	-.00001	.00255	400.67	.00004	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00233**	**.01360**	**20.423**	**.01513**	**.02729**	**.00016**	**.12918**	**283.23**	**.00021**
Stddev	.00005	.00020	.00012	.156	.00033	.00024	.00005	.00001	1.95	.00009
%RSD	4.1373	8.5572	.86952	.76355	2.1899	.87682	29.330	.00548	.68727	43.772
#1	.00107	.00219	.01352	20.533	.01536	.02746	.00019	.12918	284.61	.00014
#2	.00114	.00247	.01368	20.313	.01490	.02712	.00013	.12919	281.86	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03411**	**.18539**	**66.913**	**-.00061**	**.00498**	**.54657**	**1.1697**	**.00411**	**.45952**	**-.00137**
Stddev	.00090	.00137	.003	.00260	.00260	.03182	.0681	.00053	.00457	.00097
%RSD	2.6371	.74130	.00381	429.72	52.111	5.8225	5.8225	12.788	.99491	70.981
#1	.03475	.18636	66.911	.00123	.00682	.52406	1.1215	.00448	.46275	-.00068
#2	.03347	.18442	66.915	-.00244	.00315	.56907	1.2178	.00374	.45629	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00321**	W **-.05170**	**.00114**	**.00368**	**.00070**
Stddev	.00007	.00006	.01055	.00024	.00030	.00069
%RSD	18.736	1.8726	20.404	20.898	8.2296	97.865
#1	-.00045	.00317	-.04424	.00097	.00390	.00022
#2	-.00034	.00326	-.05916	.00131	.00347	.00119
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6625.3**	**86655.**	**8059.9**
Stddev	5.1	305.	90.8
%RSD	.07715	.35186	1.1267
#1	6628.9	86871.	7995.7
#2	6621.6	86440.	8124.1

Sample Name: 280-46961-a-9-b Acquired: 9/26/2013 7:01:41 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00236**	**-.00412**	**.14599**	**.10419**	**-.00004**	**.00159**	W **511.71**	**.00009**	**.00052**
Stddev	.00028	.00014	.00606	.00025	.00109	.00001	.00557	1.53	.00011	.00017
%RSD	137.89	6.0597	147.01	.17291	1.0476	13.415	350.06	.29935	127.17	32.572
#1	-.00040	.00225	-.00841	.14581	.10496	-.00004	-.00235	510.63	.00001	.00040
#2	.00000	.00246	.00016	.14617	.10342	-.00005	.00553	512.79	.00017	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.00153**	**.00916**	**21.370**	**.02510**	**.00455**	**.00004**	**.05878**	W **568.56**	**-.00037**
Stddev	.00002	.00029	.00161	.117	.00227	.00054	.00002	.00053	2.55	.00047
%RSD	.52782	18.822	17.585	.54904	9.0319	11.860	40.938	.89519	.44931	127.23
#1	.00458	.00132	.00802	21.453	.02350	.00416	.00006	.05916	570.37	-.00004
#2	.00454	.00173	.01030	21.287	.02670	.00493	.00003	.05841	566.76	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01822**	**.05993**	**126.26**	**.00304**	**.00100**	**.05073**	**.10856**	**.00446**	**.79623**	**.00014**
Stddev	.00040	.00053	.24	.00157	.00513	.00504	.01079	.00056	.00380	.00193
%RSD	2.2226	.87728	.18757	51.755	511.00	9.9411	9.9411	12.585	.47704	1345.6
#1	.01794	.05956	126.09	.00415	.00463	.05429	.11619	.00486	.79892	-.00122
#2	.01851	.06030	126.43	.00193	-.00262	.04716	.10092	.00406	.79355	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.00306**	**-.02205**	**-.00034**	**.00508**	**.00074**
Stddev	.00017	.00108	.09495	.00025	.00052	.00291
%RSD	24.341	35.438	430.59	71.901	10.216	394.00
#1	-.00058	.00382	.04509	-.00017	.00472	-.00132
#2	-.00083	.00229	-.08920	-.00052	.00545	.00280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6544.5**	**84911.**	**8049.3**
Stddev	33.8	234.	84.3
%RSD	.51632	.27529	1.0467
#1	6520.6	84746.	7989.7
#2	6568.4	85077.	8108.8

Sample Name: 280-46961-a-10-b Acquired: 9/26/2013 7:04:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00544**	**-.00411**	**.01838**	**.24285**	**.00005**	**-.00003**	W **504.37**	**.00008**	**.00008**
Stddev	.00016	.00007	.00210	.00023	.00023	.00001	.00113	7.98	.00007	.00022
%RSD	77.029	1.2139	51.202	1.2581	.09549	21.545	4461.1	1.5825	86.312	269.47
#1	-.00032	.00549	-.00559	.01854	.24302	.00004	-.00082	498.72	.00013	.00024
#2	-.00009	.00539	-.00262	.01822	.24269	.00005	.00077	510.01	.00003	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**.01041**	**.01839**	**1.9351**	**-.00398**	**.00672**	**.00019**	**.03471**	**26.889**	**-.00012**
Stddev	.00002	.00030	.00239	.0107	.00046	.00111	.00004	.00019	.310	.00055
%RSD	.49262	2.8872	13.013	.55271	11.499	16.583	21.242	.55935	1.1541	465.02
#1	.00464	.01020	.02008	1.9426	-.00366	.00593	.00016	.03484	27.108	-.00050
#2	.00460	.01062	.01670	1.9275	-.00431	.00751	.00022	.03457	26.669	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00998**	**.28473**	**12.858**	**.00180**	W **-.00663**	**.04333**	**.09272**	**.00444**	**.35945**	**-.00196**
Stddev	.00182	.00075	.051	.00165	.00196	.01277	.02734	.00104	.00034	.00160
%RSD	18.256	.26312	.39940	91.942	29.530	29.483	29.483	23.544	.09541	81.509
#1	.00869	.28526	12.894	.00297	-.00802	.05236	.11205	.00370	.35969	-.00310
#2	.01126	.28420	12.822	.00063	-.00525	.03429	.07339	.00517	.35920	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00294**	**-.03926**	**.00028**	**.00612**	**.00086**
Stddev	.00039	.00156	.01667	.00027	.00054	.00176
%RSD	83.378	53.027	42.466	97.816	8.7709	203.27
#1	-.00019	.00405	-.02747	.00009	.00574	-.00038
#2	-.00074	.00184	-.05105	.00047	.00650	.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6748.1**	**89279.**	**8087.4**
Stddev	21.1	248.	55.1
%RSD	.31270	.27808	.68107
#1	6763.0	89455.	8126.3
#2	6733.2	89104.	8048.4

Sample Name: 280-46961-a-11-b Acquired: 9/26/2013 7:06:38 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00276**	**-.00114**	**.09643**	**.05002**	**-.00008**	**.00307**	**272.32**	**.00056**	**.00029**
Stddev	.00010	.00018	.00071	.00019	.00005	.00004	.00337	3.96	.00015	.00011
%RSD	7.5642	6.5307	62.660	.19446	.10033	42.454	109.92	1.4524	27.670	37.496
#1	.00124	.00264	-.00164	.09656	.05006	-.00006	.00068	269.53	.00067	.00036
#2	.00138	.00289	-.00063	.09629	.04999	-.00011	.00545	275.12	.00045	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.01868**	**.01238**	**79.782**	**.01817**	**23.987**	**.00023**	**.01815**	**136.66**	**.02821**
Stddev	.00000	.00021	.00161	.048	.00021	.034	.00004	.00015	.11	.00029
%RSD	.62094	1.1043	12.989	.05957	1.1605	.14292	16.832	.84280	.08310	1.0186
#1	.00057	.01853	.01124	79.749	.01802	23.963	.00020	.01804	136.58	.02801
#2	.00057	.01882	.01352	79.816	.01832	24.012	.00026	.01826	136.74	.02842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02475**	**.00014**	**110.25**	**.00112**	**.00209**	**.38406**	**.82189**	**.00371**	**.34336**	**-.00212**
Stddev	.00183	.00054	.09	.00038	.00192	.00691	.01479	.00024	.00030	.00116
%RSD	7.3957	372.76	.08499	33.821	91.824	1.7995	1.7995	6.4479	.08706	54.947
#1	.02605	.00052	110.18	.00139	.00073	.37917	.81143	.00388	.34315	-.00294
#2	.02346	-.00024	110.31	.00085	.00344	.38895	.83234	.00354	.34358	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00059**	**-.04108**	**.00098**	**.00542**	**.00099**
Stddev	.00039	.00038	.02009	.00065	.00005	.00210
%RSD	168.72	64.963	48.911	66.723	.97969	212.70
#1	-.00051	.00032	-.05529	.00052	.00546	-.00050
#2	.00004	.00086	-.02688	.00144	.00539	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6821.1**	**90154.**	**8285.7**
Stddev	36.3	33.	4.5
%RSD	.53149	.03639	.05428
#1	6795.4	90178.	8282.6
#2	6846.7	90131.	8288.9

Sample Name: 280-46961-a-12-b Acquired: 9/26/2013 7:09:04 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.02209**	**.00013**	**.38628**	**.02942**	**.00000**	**.00126**	**74.587**	**.00001**	**-.00027**
Stddev	.00046	.00052	.00120	.00088	.00052	.00004	.00131	.021	.00028	.00019
%RSD	454.40	2.3399	888.91	.22730	1.7801	1005.0	103.99	.02881	2486.1	70.884
#1	-.00042	.02245	-.00071	.38690	.02905	.00003	.00218	74.572	-.00019	-.00040
#2	.00022	.02172	.00098	.38566	.02979	-.00002	.00033	74.602	.00021	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00730**	**.00134**	**.02164**	**8.2254**	**.01273**	**.01914**	**.00022**	**.01882**	W **1197.7**	**-.00044**
Stddev	.00005	.00037	.00275	.0462	.00101	.00298	.00005	.00003	1.3	.00023
%RSD	.63995	27.909	12.707	.56127	7.9505	15.586	24.677	.15501	.10719	52.504
#1	.00727	.00108	.02358	8.1927	.01202	.02125	.00025	.01880	1196.8	-.00061
#2	.00733	.00161	.01970	8.2580	.01345	.01703	.00018	.01884	1198.6	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**.11954**	F **310.94**	**.00264**	**.23884**	**.11015**	**.23572**	**.00437**	**.16280**	**-.00336**
Stddev	.00007	.00015	.55	.00109	.00216	.00571	.01222	.00048	.00001	.00117
%RSD	2.0521	.12386	.17723	41.444	.90380	5.1827	5.1827	10.913	.00825	34.907
#1	.00326	.11964	310.55	.00186	.23731	.10611	.22708	.00403	.16281	-.00419
#2	.00335	.11943	311.33	.00341	.24036	.11419	.24436	.00471	.16279	-.00253
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00206**	**-.02772**	**.00030**	**.34727**	**.00143**
Stddev	.00024	.00076	.02000	.00000	.00547	.00111
%RSD	70.350	36.983	72.154	.30215	1.5764	77.717
#1	-.00052	.00260	-.01358	.00030	.34340	.00222
#2	-.00017	.00152	-.04186	.00031	.35115	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6529.8**	**83837.**	**8034.8**
Stddev	3.2	29.	4.7
%RSD	.04839	.03433	.05877
#1	6532.1	83817.	8031.4
#2	6527.6	83858.	8038.1

Sample Name: 280-46961-a-13-b Acquired: 9/26/2013 7:12:02 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00622**	**-.00261**	**.12664**	**.04199**	**.00001**	**-.00020**	**439.09**	**.00029**	**-.00016**
Stddev	.00016	.00007	.00189	.00020	.00107	.00001	.00314	8.09	.00010	.00014
%RSD	31.281	1.1474	72.391	.15803	2.5539	154.31	1596.4	1.8413	34.082	89.048
#1	-.00063	.00617	-.00127	.12678	.04123	.00000	-.00242	444.81	.00036	-.00006
#2	-.00040	.00627	-.00394	.12650	.04275	.00002	.00202	433.38	.00022	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00184**	**.00072**	**.01797**	**12.777**	**.01975**	**.00577**	**.00016**	**.00625**	**161.17**	**.00021**
Stddev	.00014	.00014	.00084	.042	.00055	.00203	.00003	.00015	.04	.00042
%RSD	7.4289	19.023	4.6881	.32699	2.7773	35.223	18.186	2.3308	.02638	205.11
#1	.00174	.00063	.01857	12.806	.02014	.00433	.00014	.00615	161.20	.00050
#2	.00194	.00082	.01738	12.747	.01936	.00720	.00019	.00635	161.14	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00861**	**64.752**	**.00093**	**-.00114**	**.04789**	**.10249**	**.00410**	**.27564**	**-.00090**
Stddev	.00064	.00167	.037	.00065	.00396	.01001	.02143	.00091	.00088	.00063
%RSD	106.05	19.350	.05712	69.963	348.73	20.909	20.909	22.277	.31838	70.355
#1	.00015	.00979	64.726	.00139	.00166	.04081	.08734	.00474	.27502	-.00045
#2	.00106	.00743	64.778	.00047	-.00393	.05497	.11764	.00345	.27626	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00277**	**-.02883**	**.00338**	**.00312**	**.00198**
Stddev	.00001	.00225	.00832	.00025	.00005	.00013
%RSD	4.4276	81.188	28.871	7.3517	1.7227	6.6889
#1	-.00033	.00118	-.02294	.00320	.00316	.00188
#2	-.00031	.00436	-.03471	.00356	.00308	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6682.5**	**87681.**	**8195.5**
Stddev	16.4	394.	30.8
%RSD	.24519	.44924	.37601
#1	6694.1	87402.	8173.8
#2	6670.9	87959.	8217.3

Sample Name: 280-46961-a-14-b Acquired: 9/26/2013 7:14:26 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.01103**	**-.00482**	**.01688**	**.23915**	**-.00003**	**.00065**	W **530.59**	**.00008**	**.00005**
Stddev	.00124	.00035	.00022	.00032	.00024	.00001	.00478	2.98	.00017	.00026
%RSD	811.57	3.2066	4.5174	1.9201	.09998	41.360	740.48	.56114	202.84	479.96
#1	.00072	.01128	-.00467	.01711	.23932	-.00003	.00402	528.48	-.00004	-.00013
#2	-.00103	.01078	-.00498	.01665	.23898	-.00002	-.00273	532.69	.00021	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00458**	**.00719**	**.02478**	**3.8426**	**-.00498**	**.00883**	**.00042**	**.08036**	**54.783**	**-.00013**
Stddev	.00010	.00008	.00110	.0056	.00038	.00070	.00002	.00019	.025	.00009
%RSD	2.1224	1.1168	4.4499	.14528	7.6466	7.9673	4.6304	.23897	.04619	69.938
#1	.00451	.00725	.02400	3.8465	-.00525	.00932	.00041	.08023	54.765	-.00020
#2	.00465	.00713	.02556	3.8386	-.00471	.00833	.00044	.08050	54.800	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01350**	**.10592**	**17.885**	**-.00007**	W **-.00845**	**.04613**	**.09872**	**.00408**	**.46384**	**-.00103**
Stddev	.00019	.00255	.014	.00013	.00092	.00512	.01095	.00029	.00036	.00040
%RSD	1.4116	2.4058	.07606	189.29	10.930	11.095	11.095	7.2205	.07721	38.910
#1	.01363	.10411	17.895	.00002	-.00911	.04251	.09098	.00429	.46359	-.00075
#2	.01336	.10772	17.876	-.00016	-.00780	.04975	.10647	.00387	.46409	-.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00174**	**-.04180**	**.00033**	**.00571**	**-.00008**
Stddev	.00033	.00202	.01932	.00051	.00011	.00058
%RSD	55.557	115.73	46.209	157.43	1.9442	772.08
#1	-.00036	.00032	-.02814	.00069	.00563	.00034
#2	-.00083	.00317	-.05546	-.00004	.00579	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6716.7**	**88524.**	**8114.4**
Stddev	15.0	75.	2.4
%RSD	.22276	.08486	.02933
#1	6727.3	88471.	8112.7
#2	6706.1	88577.	8116.1

Sample Name: 280-46961-a-15-b Acquired: 9/26/2013 7:16:51 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.00249**	**-.00307**	**.04102**	**.13239**	**-.00005**	**.00121**	**478.21**	**.00003**	**-.00003**
Stddev	.00092	.00007	.00393	.00005	.00030	.00004	.00298	1.14	.00016	.00015
%RSD	167.15	2.8256	128.26	.13317	.22536	82.033	246.78	.23896	529.97	451.38
#1	-.00120	.00244	-.00029	.04098	.13218	-.00002	.00332	477.41	-.00008	-.00014
#2	.00010	.00254	-.00585	.04106	.13260	-.00007	-.00090	479.02	.00014	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00440**	**.00112**	**.01373**	**4.9092**	**.00909**	**.00758**	**.00020**	**.00462**	**37.571**	**-.00008**
Stddev	.00001	.00029	.00131	.0187	.00071	.00200	.00002	.00020	.189	.00025
%RSD	.33550	25.976	9.5343	.38028	7.7991	26.372	8.6617	4.2720	.50240	306.41
#1	.00441	.00091	.01465	4.8960	.00859	.00900	.00019	.00476	37.438	.00009
#2	.00439	.00132	.01280	4.9224	.00959	.00617	.00021	.00448	37.705	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00992**	**27.018**	**.00075**	W **-.00687**	**.04864**	**.10409**	**.00406**	**.46975**	**-.00086**
Stddev	.00048	.00030	.076	.00276	.00453	.02308	.04939	.00014	.00081	.00362
%RSD	27.495	3.0118	.28031	369.72	66.044	47.445	47.445	3.3539	.17219	420.58
#1	.00207	.00971	26.965	.00270	-.00366	.06496	.13901	.00396	.47032	-.00342
#2	.00140	.01014	27.072	-.00121	-.01007	.03232	.06917	.00415	.46918	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00241**	W **-.06608**	**.00019**	**.04490**	**.00054**
Stddev	.00010	.00092	.05566	.00010	.00071	.00236
%RSD	16.291	38.069	84.223	54.777	1.5856	433.96
#1	-.00065	.00306	-.02673	.00026	.04440	.00222
#2	-.00052	.00176	-.10544	.00011	.04540	-.00113
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6795.4**	**89505.**	**8229.1**
Stddev	5.1	207.	42.5
%RSD	.07539	.23071	.51633
#1	6791.8	89359.	8259.2
#2	6799.0	89651.	8199.1

Sample Name: CCVH-2271055 Acquired: 9/26/2013 7:19:16 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**49.634**	**.00583**	**.00194**	**.00024**	**.00003**	**.96685**	**.13931**	**.00017**	**-.00033**	**-.00048**	**-.00299**
Stddev	.00087	.282	.00112	.00039	.00019	.00005	.00151	.04062	.00004	.00005	.00018	.00014
%RSD	85.905	.56759	19.217	19.984	80.417	165.74	.15663	29.160	21.501	15.934	37.607	4.5522
#1	-.00040	49.833	.00504	.00222	.00038	.00000	.96578	.16803	.00019	-.00037	-.00060	-.00289
#2	-.00162	49.435	.00662	.00167	.00010	.00006	.96792	.11058	.00014	-.00030	-.00035	-.00309
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.197**	**.18258**	**.00485**	**-.07995**	**-.00039**	**-.00006**	**265.34**	**-.00021**	**.00427**	**.00165**	**4.8140**	**-.00159**
Stddev	.456	.00797	.00179	.00168	.00000	.00002	1.38	.00021	.00253	.00015	.0164	.00251
%RSD	.96589	4.3649	36.882	2.1056	.53768	27.355	.52144	97.468	59.146	8.9399	.34130	157.51
#1	46.875	.17695	.00358	-.08114	-.00039	-.00007	266.31	-.00036	.00606	.00176	4.8256	.00018
#2	47.519	.18822	.00611	-.07876	-.00039	-.00004	264.36	-.00007	.00249	.00155	4.8024	-.00336
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00548**	**.01467**	**.03140**	**.00434**	**.00039**	W **4.6347**	**.00493**	**.00267**	**9.6366**	**.00041**	**.00166**	**-.01588**
Stddev	.00330	.03288	.07036	.00073	.00007	.0022	.00024	.00119	.0077	.00059	.00021	.00262
%RSD	60.145	224.06	224.06	16.711	18.550	.04638	4.8799	44.474	.08025	141.46	12.572	16.481
#1	-.00781	.03792	.08115	.00485	.00034	4.6332	.00476	.00183	9.6311	.00083	.00152	-.01773
#2	-.00315	-.00857	-.01835	.00383	.00045	4.6362	.00510	.00351	9.6421	.00000	.00181	-.01403
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7054.1**	**91424.**	**8210.2**
Stddev	.6	221.	10.0
%RSD	.00836	.24118	.12230
#1	7054.6	91580.	8203.1
#2	7053.7	91268.	8217.3

Sample Name: CCV-2271054 Acquired: 9/26/2013 7:21:36 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50887**	**.50434**	**1.0453**	**.52469**	**.49701**	**.48954**	**.00076**	**5.0391**	**.51339**	**.50360**	**.51966**	**.49854**	**2.4792**
Stddev	.00051	.00285	.0014	.00327	.00055	.00033	.00275	.0005	.00034	.00119	.00139	.00130	.0181
%RSD	.10088	.56429	.13060	.62268	.11077	.06664	362.57	.00928	.06710	.23677	.26741	.26175	.73137
#1	.50851	.50635	1.0463	.52238	.49740	.48977	-.00118	5.0387	.51315	.50276	.51868	.49762	2.4664
#2	.50923	.50233	1.0443	.52700	.49662	.48931	.00270	5.0394	.51364	.50445	.52064	.49946	2.4920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.980**	**1.0305**	**19.004**	**.49375**	**.48600**	**5.3406**	**.52185**	**.96548**	**1.0502**	**.01500**	**.97285**	**1.0407**	**5.0877**
Stddev	.075	.0011	.018	.00027	.00100	.0458	.00251	.00587	.0023	.00001	.00098	.0049	.0609
%RSD	.14159	.10552	.09208	.05420	.20556	.85759	.48100	.60809	.22206	.04140	.10042	.47298	1.1972
#1	53.033	1.0313	19.016	.49394	.48529	5.3730	.52007	.96132	1.0485	.01501	.97354	1.0372	5.0446
#2	52.927	1.0297	18.991	.49356	.48670	5.3082	.52362	.96963	1.0518	.01500	.97216	1.0441	5.1307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.888**	**.97868**	**.49817**	**-.00564**	**.48518**	**1.0166**	**.00444**	**.50359**	**.48361**	**.50227**
Stddev	.130	.00301	.00025	.00108	.00041	.0015	.00525	.00013	.00061	.00176
%RSD	1.1972	.30775	.05011	19.075	.08403	.14909	118.22	.02598	.12569	.34972
#1	10.795	.98081	.49834	-.00488	.48490	1.0155	.00073	.50368	.48318	.50102
#2	10.980	.97655	.49799	-.00640	.48547	1.0177	.00815	.50350	.48404	.50351
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7204.5**	**94788.**	**8277.9**
Stddev	1.6	114.	18.6
%RSD	.02243	.12027	.22410
#1	7205.7	94707.	8264.8
#2	7203.4	94868.	8291.0

Sample Name: CCB Acquired: 9/26/2013 7:23:46 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00367**	**.00033**	**.00179**	**.00014**	**.00010**	**.00185**	**.00909**	**.00000**	**.00017**	**-.00010**	**.00037**
Stddev	.00051	.00050	.00142	.00084	.00001	.00002	.00045	.00006	.00003	.00004	.00017	.00034
%RSD	500.43	13.683	426.92	46.884	5.0158	22.263	24.333	.71008	1812.3	25.795	169.58	92.620
#1	-.00046	.00403	-.00067	.00238	.00015	.00012	.00216	.00904	-.00002	.00014	-.00023	.00061
#2	.00026	.00332	.00134	.00120	.00014	.00008	.00153	.00913	.00003	.00020	.00002	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.13358**	W **.00281**	**.00059**	**.00004**	**.00059**	W **.09536**	**-.00028**	**-.00127**	**.00071**	**.02100**	F **.01504**
Stddev	.00258	.00631	.00166	.00139	.00003	.00013	.00035	.00006	.00018	.00018	.00146	.00813
%RSD	72.976	4.7209	58.835	233.61	63.299	21.569	.36561	22.171	14.223	26.027	6.9323	54.029
#1	.00535	.13804	.00399	-.00039	.00006	.00050	.09561	-.00024	-.00115	.00084	.01997	.00929
#2	.00171	.12913	.00164	.00158	.00002	.00068	.09511	-.00033	-.00140	.00058	.02203	.02078
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261				.09160					.00628
Low Limit			-.00261				-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00301**	**-.00089**	**-.00191**	**.00387**	**.00017**	**-.00144**	**-.00032**	**.00164**	**-.00365**	**.00008**	**.00118**	**.00041**
Stddev	.00068	.01090	.02333	.00004	.00001	.00107	.00003	.00070	.00041	.00013	.00026	.00097
%RSD	22.490	1221.7	1221.7	1.0871	5.2433	74.369	10.187	43.008	11.201	159.77	22.217	238.03
#1	-.00253	.00682	.01459	.00384	.00017	-.00068	-.00030	.00114	-.00336	-.00001	.00136	.00110
#2	-.00349	-.00860	-.01841	.00390	.00016	-.00220	-.00034	.00214	-.00394	.00018	.00099	-.00028
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7197.0**	**94880.**	**8171.0**
Stddev	1.1	435.	52.0
%RSD	.01487	.45818	.63584
#1	7197.8	94572.	8134.2
#2	7196.2	95187.	8207.7

Sample Name: CCVL2271034 Acquired: 9/26/2013 7:26:05 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00987**	**.10432**	**.01638**	**.10002**	**.01016**	**.00090**	**.10755**	**.20997**	**.00523**	**.01031**	**.01066**	**.01516**	**.11041**
Stddev	.00027	.00053	.00012	.00019	.00014	.00011	.00171	.00025	.00023	.00010	.00001	.00011	.00040
%RSD	2.7343	.51267	.74357	.19330	1.4109	12.606	1.5883	.12035	4.4524	.92646	.06258	.74032	.36439
#1	.00968	.10395	.01629	.09988	.01006	.00082	.10634	.21015	.00506	.01025	.01066	.01524	.11069
#2	.01006	.10470	.01646	.10016	.01026	.00098	.10876	.20979	.00539	.01038	.01065	.01508	.11012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1751**	F **.01430**	**.19473**	**.00999**	**.01909**	**1.1502**	**.04217**	**2.7656**	**.00963**	**.02202**	**.01054**	**.01306**	**.50543**
Stddev	.0198	.00152	.00159	.00004	.00018	.0272	.00014	.0155	.00019	.00133	.00087	.00027	.00516
%RSD	.62224	10.660	.81842	.41598	.92868	2.3651	.32981	.56102	1.9599	6.0256	8.3017	2.0361	1.0200
#1	3.1611	.01322	.19360	.00996	.01922	1.1310	.04207	2.7546	.00950	.02295	.01115	.01325	.50907
#2	3.1890	.01537	.19586	.01002	.01897	1.1695	.04227	2.7766	.00977	.02108	.00992	.01288	.50178
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0816**	**.10116**	**.01005**	**.01367**	**.00937**	**.01755**	F **.04062**	**.00998**	**.02080**	**.01504**
Stddev	.0110	.00063	.00013	.00160	.00029	.00070	.04343	.00017	.00006	.00156
%RSD	1.0200	.61854	1.2682	11.682	3.0545	3.9786	106.93	1.7145	.28593	10.389
#1	1.0894	.10072	.01014	.01254	.00917	.01804	.00991	.01010	.02084	.01614
#2	1.0738	.10160	.00996	.01480	.00957	.01706	.07133	.00986	.02075	.01393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7313.7**	**96302.**	**8250.0**
Stddev	10.9	84.	45.7
%RSD	.14951	.08746	.55404
#1	7306.0	96243.	8282.4
#2	7321.5	96362.	8217.7

Sample Name: 280-46961-a-16-b Acquired: 9/26/2013 7:28:24 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00972**	**-.00122**	**.01409**	**.22304**	**-.00006**	**-.00227**	W **560.28**	**.00007**	**.00103**
Stddev	.00010	.00039	.00185	.00010	.00047	.00003	.00145	3.75	.00008	.00014
%RSD	155.18	4.0633	151.32	.68278	.20850	48.561	63.880	.66901	112.09	13.498
#1	-.00013	.00999	.00009	.01415	.22336	-.00004	-.00330	562.93	.00001	.00113
#2	.00001	.00944	-.00252	.01402	.22271	-.00008	-.00125	557.63	.00012	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03391**	**.03491**	**.01044**	**1.7702**	**-.00616**	**.00792**	**.00008**	**.00690**	**7.0554**	**.02872**
Stddev	.00005	.00006	.00119	.0032	.00107	.00050	.00003	.00029	.0176	.00001
%RSD	.15681	.16406	11.372	.17979	17.450	6.3343	34.264	4.1727	.24908	.02178
#1	.03387	.03495	.00960	1.7680	-.00540	.00757	.00006	.00711	7.0430	.02871
#2	.03394	.03487	.01128	1.7725	-.00692	.00828	.00010	.00670	7.0678	.02872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08578**	**.02050**	**45.135**	**.00236**	**-.00372**	**.06827**	**.14610**	**.00239**	**.60552**	**-.00022**
Stddev	.00076	.00129	.051	.00074	.00077	.00224	.00479	.00101	.00050	.00006
%RSD	.88547	6.2995	.11270	31.203	20.686	3.2813	3.2813	42.041	.08221	25.370
#1	.08631	.02141	45.171	.00184	-.00427	.06669	.14271	.00168	.60587	-.00018
#2	.08524	.01959	45.099	.00288	-.00318	.06985	.14949	.00310	.60516	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00141**	**-.04389**	**-.00021**	**.37593**	**.00031**
Stddev	.00007	.00074	.01413	.00008	.00128	.00243
%RSD	14.455	52.592	32.189	37.791	.34072	794.58
#1	-.00041	.00193	-.05388	-.00026	.37683	.00202
#2	-.00050	.00089	-.03390	-.00015	.37502	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6792.3**	**89554.**	**8254.8**
Stddev	2.4	83.	38.5
%RSD	.03490	.09288	.46623
#1	6794.0	89613.	8227.6
#2	6790.6	89495.	8282.0

Sample Name: 280-46961-a-17-b Acquired: 9/26/2013 7:30:48 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00509**	**-.00293**	**.14477**	**.11202**	**-.00009**	**-.00054**	W **537.96**	**.00007**	**.00005**
Stddev	.00029	.00048	.00389	.00155	.00013	.00003	.00176	.41	.00003	.00018
%RSD	88.052	9.4153	132.74	1.0681	.11946	33.193	324.46	.07693	47.467	367.67
#1	.00013	.00543	-.00018	.14368	.11193	-.00011	-.00179	537.66	.00005	-.00008
#2	.00054	.00475	-.00568	.14587	.11212	-.00007	.00070	538.25	.00009	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0893**	**.00172**	**.04256**	**56.455**	**.18515**	**.00996**	**.00033**	**.00346**	**162.36**	**.00004**
Stddev	.0011	.00031	.00294	.147	.00470	.00019	.00002	.00030	.13	.00038
%RSD	.10238	17.976	6.8969	.26026	2.5360	1.8845	4.6369	8.5917	.08048	1092.0
#1	1.0885	.00150	.04049	56.351	.18847	.01009	.00035	.00325	162.46	-.00024
#2	1.0901	.00194	.04464	56.559	.18183	.00982	.00032	.00368	162.27	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.00877**	**65.226**	**-.00064**	W **-.00665**	**.06170**	**.13203**	**.00386**	**1.8441**	**-.00089**
Stddev	.00043	.00115	.087	.00232	.00325	.01171	.02507	.00057	.0021	.00056
%RSD	14.717	13.174	.13308	360.20	48.834	18.986	18.986	14.712	.11241	62.478
#1	.00326	.00958	65.165	-.00229	-.00894	.06998	.14975	.00345	1.8426	-.00129
#2	.00265	.00795	65.287	.00100	-.00435	.05341	.11430	.00426	1.8455	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00151**	W **-.07473**	**-.00055**	**.32857**	**.00188**
Stddev	.00001	.00030	.02235	.00066	.00029	.00131
%RSD	2.2452	20.067	29.907	120.64	.08928	69.830
#1	-.00044	.00130	-.05892	-.00008	.32836	.00281
#2	-.00045	.00173	-.09053	-.00101	.32878	.00095
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6649.9**	**87676.**	**8205.3**
Stddev	20.8	146.	23.7
%RSD	.31223	.16595	.28840
#1	6664.6	87573.	8222.1
#2	6635.3	87778.	8188.6

Sample Name: 280-46961-a-18-b Acquired: 9/26/2013 7:33:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00576**	**-.00691**	**.01428**	**.13845**	**-.00004**	**.00004**	**428.61**	**.00017**	**.00018**
Stddev	.00063	.00037	.00692	.00030	.00033	.00005	.00117	2.18	.00000	.00012
%RSD	465.10	6.3345	100.20	2.0895	.24152	113.89	3193.2	.50852	1.1718	67.497
#1	-.00031	.00550	-.00201	.01407	.13822	-.00001	-.00079	427.07	.00017	.00009
#2	.00059	.00602	-.01180	.01449	.13869	-.00008	.00087	430.15	.00017	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01508**	**.00534**	**.00554**	**15.090**	**.01252**	**.01231**	**.00011**	**.02118**	**94.549**	**.00001**
Stddev	.00006	.00024	.00166	.003	.00000	.00063	.00001	.00020	.511	.00005
%RSD	.37661	4.4323	29.966	.02258	.01891	5.0867	7.6865	.92705	.54020	446.33
#1	.01504	.00517	.00437	15.087	.01253	.01187	.00011	.02132	94.188	.00005
#2	.01512	.00550	.00671	15.092	.01252	.01276	.00012	.02104	94.911	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01039**	**.04464**	**16.486**	**.00104**	W **-.00623**	**.11471**	**.24549**	**.00320**	**.33942**	**.00091**
Stddev	.00132	.00006	.038	.00004	.00745	.00564	.01208	.00021	.00002	.00033
%RSD	12.726	.13762	.22974	3.5548	119.66	4.9196	4.9196	6.5844	.00643	36.309
#1	.01132	.04468	16.460	.00107	-.00096	.11072	.23695	.00335	.33943	.00068
#2	.00945	.04460	16.513	.00102	-.01149	.11870	.25403	.00305	.33940	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00201**	**-.04001**	**.00093**	**.00377**	**-.00010**
Stddev	.00017	.00100	.01729	.00099	.00007	.00057
%RSD	48.198	49.782	43.218	105.85	1.9309	575.74
#1	-.00023	.00272	-.02778	.00023	.00382	.00031
#2	-.00046	.00130	-.05224	.00163	.00371	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.1**	**90324.**	**8339.8**
Stddev	30.9	73.	6.3
%RSD	.45452	.08049	.07525
#1	6823.0	90376.	8335.3
#2	6779.3	90273.	8344.2

Sample Name: 280-46961-a-19-b Acquired: 9/26/2013 7:35:39 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00754**	**-.00136**	**.02567**	**.10317**	**-.00008**	**-.00089**	**470.14**	**-.00011**	**.00022**
Stddev	.00071	.00011	.00164	.00053	.00010	.00008	.00129	1.94	.00019	.00015
%RSD	185.54	1.4601	120.71	2.0463	.09936	96.842	145.43	.41200	171.33	69.995
#1	.00012	.00761	-.00020	.02605	.10324	-.00014	-.00180	471.51	-.00025	.00011
#2	-.00088	.00746	-.00252	.02530	.10310	-.00003	.00003	468.77	.00002	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15241**	**.01581**	**.01010**	**12.518**	**.00715**	**.00590**	**.00013**	**.02072**	**139.95**	**.00041**
Stddev	.00067	.00039	.00105	.018	.00353	.00149	.00004	.00020	.15	.00005
%RSD	.44145	2.4518	10.386	.14481	49.377	25.289	26.669	.98574	.10691	11.679
#1	.15288	.01553	.01085	12.505	.00465	.00696	.00011	.02058	139.85	.00037
#2	.15193	.01608	.00936	12.531	.00964	.00485	.00016	.02087	140.06	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01733**	**.02100**	**33.398**	**.00019**	W **-.00504**	**.05781**	**.12371**	**.00311**	**.31079**	**-.00332**
Stddev	.00017	.00114	.033	.00244	.00077	.00850	.01819	.00001	.00033	.00093
%RSD	.99169	5.4508	.09899	1265.8	15.229	14.705	14.705	.37436	.10469	28.103
#1	.01745	.02181	33.421	-.00153	-.00449	.05180	.11085	.00310	.31102	-.00398
#2	.01721	.02019	33.374	.00192	-.00558	.06382	.13658	.00312	.31056	-.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00207**	**-.00200**	**.00048**	**.00386**	**.00066**
Stddev	.00013	.00065	.03388	.00015	.00035	.00027
%RSD	45.491	31.239	1696.5	31.278	9.0362	41.092
#1	-.00020	.00162	.02196	.00038	.00361	.00047
#2	-.00038	.00253	-.02595	.00059	.00410	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6760.9**	**89339.**	**8275.5**
Stddev	12.6	113.	59.1
%RSD	.18606	.12635	.71375
#1	6769.8	89419.	8317.3
#2	6752.0	89260.	8233.8

Sample Name: 280-46961-a-20-b Acquired: 9/26/2013 7:38:05 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00285**	**-.00239**	**.38168**	**.03693**	**-.00001**	**.00074**	**487.04**	**.00017**	**.00220**
Stddev	.00022	.00012	.00171	.00037	.00028	.00001	.00166	10.02	.00005	.00024
%RSD	823.02	4.2668	71.356	.09602	.76107	94.001	223.44	2.0578	26.069	10.864
#1	.00018	.00277	-.00119	.38142	.03673	.00000	.00192	479.95	.00014	.00237
#2	-.00013	.00294	-.00360	.38194	.03712	-.00002	-.00043	494.12	.00021	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00902**	**3.6690**	**.10872**	**30.386**	**.00116**	**.00780**	**.00090**	**.03866**	**145.89**	**.01483**
Stddev	.00019	.0001	.00014	.026	.00088	.00240	.00000	.00005	.92	.00046
%RSD	2.1418	.00217	.13034	.08665	76.080	30.695	.43199	.13994	.62774	3.0904
#1	.00916	3.6689	.10862	30.367	.00179	.00950	.00090	.03870	145.24	.01515
#2	.00889	3.6690	.10882	30.405	.00054	.00611	.00090	.03862	146.53	.01451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00925**	**.06265**	**83.888**	**.00091**	W **-.00504**	**.14862**	**.31804**	**.00303**	**.24330**	**-.00193**
Stddev	.00016	.00000	.031	.00077	.00345	.00555	.01188	.00045	.00036	.00111
%RSD	1.7003	.00324	.03687	85.029	68.408	3.7353	3.7353	14.701	.14843	57.264
#1	.00936	.06265	83.910	.00036	-.00748	.15254	.32644	.00272	.24305	-.00115
#2	.00914	.06264	83.866	.00145	-.00260	.14469	.30964	.00335	.24356	-.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00252**	W **-.05207**	**-.00001**	**.31662**	**.00236**
Stddev	.00053	.00026	.04799	.00042	.00009	.00039
%RSD	92.408	10.447	92.176	3999.3	.02851	16.365
#1	-.00020	.00233	-.08600	-.00031	.31668	.00263
#2	-.00095	.00271	-.01813	.00029	.31656	.00209
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6738.4**	**88520.**	**8178.6**
Stddev	6.9	254.	10.2
%RSD	.10255	.28657	.12506
#1	6733.5	88699.	8171.4
#2	6743.3	88341.	8185.9

Sample Name: 280-46961-a-20-bSD@5 Acquired: 9/26/2013 7:40:30 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01945**	**.00088**	**.08405**	**.00787**	**-.00008**	**.00122**	**104.09**	**.00003**	**.00072**
Stddev	.00015	.00005	.00057	.00001	.00009	.00002	.00043	.23	.00012	.00000
%RSD	51.135	.24926	64.708	.01740	1.1625	27.799	35.338	.22157	454.37	.50497
#1	.00019	.01948	.00128	.08404	.00781	-.00010	.00152	104.25	-.00006	.00072
#2	.00041	.01942	.00048	.08406	.00794	-.00007	.00091	103.92	.00011	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.76840**	**.05305**	**6.4167**	**-.00003**	**.00727**	**.00047**	**.00838**	**31.065**	**.00342**
Stddev	.00003	.00204	.00316	.0427	.00174	.00235	.00009	.00006	.376	.00036
%RSD	1.3933	.26491	5.9596	.66581	6469.9	32.275	18.413	.77442	1.2103	10.650
#1	.00213	.76984	.05082	6.4469	.00120	.00892	.00053	.00842	30.799	.00368
#2	.00218	.76696	.05529	6.3864	-.00126	.00561	.00041	.00833	31.331	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.01329**	**17.038**	**-.00203**	W **-.00911**	**.04071**	**.08712**	**.00234**	**.05165**	**-.00019**
Stddev	.00101	.00010	.001	.00193	.00167	.00264	.00566	.00090	.00048	.00231
%RSD	108.34	.75761	.00365	94.774	18.312	6.4934	6.4934	38.369	.93244	1227.6
#1	-.00164	.01322	17.038	-.00067	-.00793	.03884	.08312	.00171	.05131	.00145
#2	-.00022	.01336	17.039	-.00340	-.01029	.04258	.09112	.00298	.05199	-.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00198**	W **-.05240**	**.00026**	**.07821**	**.00190**
Stddev	.00011	.00062	.03196	.00010	.00104	.00149
%RSD	65.503	31.448	61.004	38.725	1.3242	78.115
#1	-.00024	.00154	-.07500	.00019	.07748	.00295
#2	-.00009	.00243	-.02979	.00033	.07894	.00085
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7004.4**	**92663.**	**8215.2**
Stddev	9.5	41.	4.6
%RSD	.13598	.04435	.05540
#1	7011.1	92634.	8212.0
#2	6997.6	92692.	8218.4

Sample Name: 280-46961-a-20-c ms Acquired: 9/26/2013 7:42:50 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .19298	.33504	.75025	.53793	2.1181	.00827	F .34499	467.11	.20248	.08690
Stddev	.00073	.00157	.00159	.00069	.0107	.00015	.00048	2.07	.00102	.00044
%RSD	.37669	.46817	.21177	.12819	.50503	1.8319	.13800	.44396	.50441	.51058
#1	.19246	.33615	.75138	.53841	2.1256	.00837	.34466	465.65	.20321	.08721
#2	.19349	.33393	.74913	.53744	2.1105	.00816	.34533	468.58	.20176	.08659
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93461	3.7700	.27496	37.612	.17935	7.6508	.08475	.20603	144.69	.10149
Stddev	.00104	.0029	.00047	.246	.00305	.0178	.00006	.00093	.95	.00038
%RSD	.11144	.07597	.17072	.65474	1.7003	.23295	.06800	.45090	.65792	.37820
#1	.93387	3.7680	.27463	37.786	.18150	7.6634	.08471	.20669	145.36	.10176
#2	.93535	3.7720	.27529	37.437	.17719	7.6382	.08479	.20537	144.01	.10122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7611	1.0259	78.491	.08454	.54857	1.8448	3.9479	.33347	.39700	.15848
Stddev	.0069	.0027	.024	.00177	.00075	.0157	.0337	.00221	.00214	.00027
%RSD	.39082	.25984	.03012	2.0931	.13675	.85270	.85270	.66245	.53844	.17249
#1	1.7660	1.0278	78.474	.08329	.54910	1.8559	3.9717	.33504	.39851	.15829
#2	1.7563	1.0240	78.508	.08580	.54804	1.8337	3.9241	.33191	.39549	.15867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16928	.32278	.30855	.08633	.70766	.08820
Stddev	.00048	.00392	.00898	.00066	.00216	.00060
%RSD	.28089	1.2146	2.9093	.76993	.30574	.67708
#1	.16962	.32555	.30220	.08680	.70919	.08863
#2	.16895	.32001	.31489	.08586	.70613	.08778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6702.9	87748.	8095.0
Stddev	15.4	430.	8.9
%RSD	.23002	.49032	.10976
#1	6692.0	87443.	8088.7
#2	6713.8	88052.	8101.3

Sample Name: 280-46961-a-20-d msd Acquired: 9/26/2013 7:45:07 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192930 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .17870	.31113	.69644	.49730	1.9541	.00758	F .32108	419.30	.18673	.08027
Stddev	.00023	.00119	.00101	.00015	.0094	.00013	.00182	3.65	.00089	.00087
%RSD	.12665	.38137	.14519	.02974	.48265	1.6771	.56758	.87138	.47651	1.0814
#1	.17854	.31196	.69716	.49740	1.9475	.00749	.32237	421.88	.18736	.08089
#2	.17886	.31029	.69573	.49719	1.9608	.00767	.31979	416.71	.18610	.07966
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.86248	3.4841	.25830	34.574	.16688	7.0833	.07880	.18999	133.28	.09374
Stddev	.00078	.0037	.00302	.046	.00363	.0146	.00002	.00144	.81	.00068
%RSD	.09030	.10471	1.1673	.13411	2.1741	.20657	.02057	.75991	.60909	.72457
#1	.86303	3.4815	.26043	34.541	.16945	7.0730	.07879	.19101	132.70	.09423
#2	.86193	3.4867	.25617	34.607	.16432	7.0937	.07881	.18897	133.85	.09326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6234	.95078	72.450	.07850	.50217	1.6909	3.6185	.30796	.36585	.14524
Stddev	.0070	.00560	.024	.00002	.00079	.0117	.0251	.00197	.00202	.00029
%RSD	.43043	.58880	.03378	.02388	.15711	.69288	.69288	.64081	.55285	.19896
#1	1.6283	.95474	72.433	.07852	.50273	1.6826	3.6008	.30935	.36442	.14504
#2	1.6184	.94682	72.467	.07849	.50161	1.6992	3.6362	.30656	.36728	.14545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15629	.30013	.28652	.08055	.65470	.07975
Stddev	.00020	.00194	.01385	.00049	.00119	.00020
%RSD	.12809	.64742	4.8331	.61358	.18176	.25027
#1	.15615	.30151	.27673	.08090	.65386	.07989
#2	.15644	.29876	.29632	.08020	.65554	.07960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6712.0	88446.	8205.5
Stddev	21.1	169.	27.7
%RSD	.31470	.19057	.33804
#1	6697.1	88326.	8225.1
#2	6727.0	88565.	8185.8

Sample Name: CCVH-2271055 Acquired: 9/26/2013 7:47:25 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00248**	**49.546**	**.00419**	**.00418**	**.00091**	**.00000**	**.96529**	**.13927**	**.00024**	**-.00054**	**-.00043**	**-.00286**
Stddev	.00007	.031	.00354	.00021	.00049	.00011	.00088	.04362	.00017	.00014	.00006	.00031
%RSD	2.6921	.06182	84.452	5.0112	53.443	3583.3	.09107	31.318	68.447	26.158	13.057	10.991
#1	-.00243	49.524	.00669	.00403	.00057	.00008	.96591	.17011	.00013	-.00044	-.00047	-.00264
#2	-.00253	49.567	.00169	.00433	.00125	-.00007	.96466	.10843	.00036	-.00064	-.00039	-.00308
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.915**	**.15594**	**.00290**	**-.08249**	**-.00047**	**-.00009**	**266.30**	**-.00020**	**.00241**	**.00056**	**4.8111**	**.00221**
Stddev	.226	.09506	.00121	.00133	.00001	.00026	.39	.00014	.00193	.00001	.0156	.00119
%RSD	.48213	60.960	41.808	1.6128	2.0808	291.59	.14760	69.137	80.229	1.1002	.32467	54.030
#1	47.075	.22316	.00376	-.08155	-.00046	-.00028	266.57	-.00029	.00104	.00055	4.8222	.00305
#2	46.755	.08872	.00205	-.08343	-.00048	.00010	266.02	-.00010	.00378	.00056	4.8001	.00136
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00464**	**-.00704**	**-.01506**	**.00352**	**.00037**	W **4.6359**	**.00531**	**.00209**	**9.5763**	**.00004**	**.00028**	**-.01763**
Stddev	.00200	.01093	.02339	.00060	.00007	.0047	.00010	.00083	.0169	.00004	.00059	.00200
%RSD	43.054	155.33	155.33	17.007	17.903	.10133	1.9433	39.897	.17658	81.769	207.00	11.356
#1	-.00606	-.01476	-.03160	.00310	.00032	4.6326	.00524	.00150	9.5644	.00002	.00070	-.01622
#2	-.00323	.00069	.00148	.00394	.00041	4.6392	.00539	.00268	9.5883	.00007	-.00013	-.01905
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7000.2**	**90998.**	**8115.5**
Stddev	4.2	162.	12.3
%RSD	.06040	.17856	.15160
#1	7003.2	91113.	8124.2
#2	6997.2	90883.	8106.8

Sample Name: CCV-2271054 Acquired: 9/26/2013 7:49:44 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51176**	**.51421**	**1.0530**	**.52716**	**.50103**	**.49463**	**.00424**	**5.1044**	**.51641**	**.50673**	**.52381**	**.50152**	**2.4861**
Stddev	.00140	.00002	.0047	.00372	.00013	.00001	.00086	.0030	.00021	.00001	.00163	.00129	.0219
%RSD	.27448	.00481	.44642	.70494	.02663	.00218	20.275	.05929	.04081	.00158	.31157	.25693	.87878
#1	.51077	.51419	1.0497	.52453	.50112	.49462	.00485	5.1065	.51626	.50674	.52266	.50060	2.4706
#2	.51275	.51422	1.0563	.52979	.50093	.49464	.00363	5.1023	.51656	.50673	.52496	.50243	2.5015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.534**	**1.0412**	**19.043**	**.49530**	**.48929**	**5.4086**	**.52523**	**.97088**	**1.0614**	**.00777**	**.97477**	**1.0412**	**5.0899**
Stddev	.170	.0014	.132	.00174	.00038	.0349	.00245	.00103	.0011	.00230	.00183	.0054	.0558
%RSD	.31734	.13476	.69080	.35153	.07746	.64576	.46718	.10617	.10081	29.605	.18746	.51670	1.0962
#1	53.654	1.0422	18.950	.49407	.48956	5.4333	.52696	.97161	1.0622	.00614	.97606	1.0374	5.0504
#2	53.414	1.0402	19.136	.49653	.48903	5.3839	.52349	.97015	1.0607	.00940	.97347	1.0450	5.1293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.892**	**.98026**	**.50201**	**-.00331**	**.48672**	**1.0200**	**-.04151**	**.50655**	**.48666**	**.50088**
Stddev	.119	.00083	.00087	.00201	.00047	.0013	.01249	.00008	.00245	.00718
%RSD	1.0962	.08422	.17416	60.684	.09612	.13053	30.074	.01615	.50364	1.4336
#1	10.808	.97967	.50263	-.00189	.48639	1.0190	-.05034	.50649	.48492	.49580
#2	10.977	.98084	.50139	-.00473	.48705	1.0209	-.03269	.50661	.48839	.50595
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7157.0**	**94289.**	**8161.4**
Stddev	14.0	970.	62.7
%RSD	.19526	1.0282	.76833
#1	7166.9	94975.	8117.0
#2	7147.1	93604.	8205.7

Sample Name: CCB Acquired: 9/26/2013 7:51:52 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00123**	**.00087**	**.00225**	**.00026**	**.00014**	**.00147**	**.00914**	**-.00001**	**.00016**	**-.00002**	**-.00006**	**.00334**
Stddev	.00028	.00009	.00288	.00028	.00001	.00005	.00116	.00190	.00014	.00009	.00003	.00017	.00001
%RSD	374.21	7.3757	329.67	12.295	4.9971	36.158	78.902	20.809	1597.1	55.499	156.72	281.01	.27658
#1	-.00027	.00116	-.00116	.00205	.00027	.00018	.00229	.01048	.00009	.00023	-.00004	-.00018	.00335
#2	.00012	.00129	.00291	.00244	.00026	.00011	.00065	.00779	-.00010	.00010	.00000	.00006	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12028**	**.00178**	**.00310**	**-.00002**	**.00069**	**.08992**	**.00010**	**-.00257**	**.00037**	**.01210**	F **.01559**	**-.00216**	**.00190**
Stddev	.03191	.00207	.00292	.00000	.00047	.00277	.00040	.00091	.00088	.00106	.00352	.00118	.03132
%RSD	26.532	116.28	94.147	27.995	68.609	3.0801	411.37	35.318	235.96	8.7943	22.566	54.799	1649.9
#1	.14284	.00324	.00516	-.00002	.00035	.09188	-.00019	-.00193	-.00025	.01286	.01310	-.00300	-.02025
#2	.09771	.00032	.00104	-.00001	.00102	.08796	.00038	-.00321	.00100	.01135	.01808	-.00132	.02405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00406**	**.00285**	**.00020**	**.00143**	**.00007**	**.00191**	**-.04264**	**.00022**	**.00128**	**.00040**
Stddev	.06704	.00060	.00006	.00224	.00050	.00030	.05263	.00045	.00055	.00226
%RSD	1649.9	20.913	30.306	156.52	709.01	15.711	123.44	207.39	43.279	565.45
#1	-.04334	.00243	.00024	-.00015	.00042	.00212	-.00542	-.00010	.00088	.00200
#2	.05146	.00327	.00016	.00301	-.00028	.00169	-.07986	.00054	.00167	-.00120
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7179.9**	**95358.**	**8105.7**
Stddev	9.7	211.	30.5
%RSD	.13560	.22087	.37607
#1	7186.8	95507.	8127.2
#2	7173.0	95209.	8084.1

Sample Name: CCVL2271034 Acquired: 9/26/2013 7:54:08 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01062**	**.10377**	**.01601**	**.10108**	**.00978**	**.00097**	**.10803**	**.20884**	**.00501**	**.01059**	**.01063**	**.01523**	**.10329**
Stddev	.00085	.00030	.00173	.00036	.00000	.00002	.00010	.00409	.00011	.00017	.00002	.00043	.00143
%RSD	7.9839	.28961	10.795	.35265	.00727	1.5620	.09239	1.9601	2.1759	1.5881	.22352	2.8074	1.3854
#1	.01122	.10356	.01479	.10083	.00978	.00098	.10810	.20594	.00493	.01047	.01062	.01492	.10228
#2	.01002	.10398	.01723	.10133	.00978	.00096	.10796	.21173	.00509	.01071	.01065	.01553	.10430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2896**	F **.01694**	**.19654**	**.01000**	**.01911**	**1.1289**	**.04240**	**2.7560**	**.01016**	**.01336**	**.00954**	F **.00856**	**.50358**
Stddev	.0252	.00093	.00011	.00006	.00001	.0228	.00005	.0019	.00008	.00003	.00067	.00380	.02041
%RSD	.76644	5.4963	.05364	.57657	.03010	2.0178	.10650	.06919	.74127	.25138	7.0643	44.327	4.0531
#1	3.2718	.01760	.19646	.01004	.01911	1.1128	.04237	2.7546	.01021	.01334	.00907	.00588	.51801
#2	3.3075	.01628	.19661	.00996	.01911	1.1450	.04243	2.7573	.01010	.01338	.01002	.01125	.48915
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		.01000										.01500	
Range		30.000%										-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0777**	**.10095**	**.00996**	**.01403**	**.00920**	**.01675**	F **.01297**	**.01015**	**.02072**	**.01538**
Stddev	.0437	.00014	.00011	.00172	.00029	.00135	.02699	.00045	.00000	.00058
%RSD	4.0531	.14289	1.1411	12.237	3.1223	8.0867	208.14	4.4427	.01036	3.7602
#1	1.1085	.10085	.00988	.01282	.00940	.01579	-.00612	.01047	.02072	.01579
#2	1.0468	.10105	.01004	.01525	.00899	.01771	.03205	.00983	.02072	.01497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7285.2**	**96819.**	**8281.8**
Stddev	10.1	106.	5.7
%RSD	.13807	.10906	.06832
#1	7292.3	96745.	8277.8
#2	7278.1	96894.	8285.8

Sample Name: Ba, Cu @ 50 Acquired: 9/26/2013 8:36:06 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.01531**	**-.00071**	**.00134**	W **48.986**	**-.00002**	**-.04815**	**.01564**	**-.00157**	**-.00759**
Stddev	.00000	.00004	.00194	.00039	.590	.00002	.00259	.00434	.00009	.00016
%RSD	.57009	.26457	272.08	29.139	1.2050	79.865	5.3879	27.750	5.5460	2.0812
#1	-.00006	.01534	.00066	.00107	48.569	-.00003	-.04998	.01871	-.00163	-.00748
#2	-.00006	.01528	-.00208	.00162	49.404	-.00001	-.04632	.01257	-.00151	-.00770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					10.000					
Low Limit					-.01000					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	W **48.216**	**.02204**	**.04386**	**.00651**	**.00109**	**.00010**	**.00262**	**.09434**	**-.00008**
Stddev	.00009	.876	.00089	.00547	.00035	.00060	.00005	.00000	.00834	.00040
%RSD	39.141	1.8158	4.0491	12.474	5.4229	55.304	46.151	.15688	8.8376	535.05
#1	-.00016	48.836	.02267	.03999	.00626	.00151	.00007	.00262	.10023	-.00036
#2	-.00028	47.597	.02141	.04773	.00675	.00066	.00014	.00262	.08844	.00021
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00392**	**.02243**	**-.00114**	**-.00414**	**.00573**	**.01227**	**.00142**	**.00008**	**.00080**
Stddev	.00022	.00177	.00151	.00118	.00051	.01804	.03860	.00031	.00003	.00213
%RSD	34.149	45.113	6.7387	104.00	12.401	314.52	314.52	22.139	35.871	265.08
#1	-.00048	.00267	.02136	-.00030	-.00450	-.00702	-.01502	.00164	.00006	-.00070
#2	-.00079	.00518	.02350	-.00198	-.00377	.01849	.03957	.00120	.00010	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00184**	**-.02439**	**-.00211**	**.00330**	**.00091**
Stddev	.00004	.00054	.02648	.00019	.00025	.00181
%RSD	18.891	29.189	108.58	9.1510	7.5466	199.07
#1	.00021	.00146	-.00566	-.00197	.00347	.00219
#2	.00027	.00222	-.04312	-.00224	.00312	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7426.0**	**99639.**	**8377.6**
Stddev	50.5	503.	20.2
%RSD	.67975	.50477	.24067
#1	7461.7	99995.	8391.9
#2	7390.3	99284.	8363.4

Sample Name: CCVH-2271055 Acquired: 9/26/2013 9:01:20 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**48.566**	**.00286**	**.00136**	**.00012**	**-.00003**	W **.92356**	**.00131**	**.00005**	**-.00053**	**-.00048**	**-.00179**
Stddev	.00076	.180	.00237	.00022	.00010	.00001	.00122	.00243	.00024	.00004	.00015	.00031
%RSD	91.632	.37157	83.100	15.979	85.679	31.875	.13260	185.73	516.02	7.6255	31.069	17.074
#1	-.00136	48.439	.00118	.00152	.00005	-.00004	.92443	-.00041	-.00013	-.00050	-.00037	-.00157
#2	-.00029	48.694	.00453	.00121	.00019	-.00003	.92270	.00302	.00022	-.00055	-.00058	-.00201
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.791**	**.05466**	**.00769**	**-.07919**	**-.00036**	**-.00034**	**264.24**	**-.00050**	**.00165**	**.00197**	W **4.6389**	**.00119**
Stddev	.069	.05889	.00005	.00071	.00001	.00056	.46	.00016	.00157	.00032	.0232	.00080
%RSD	.15051	107.73	.66490	.90100	3.1129	165.26	.17505	31.477	95.542	16.193	.50049	67.230
#1	45.742	.01302	.00765	-.07970	-.00037	.00006	263.91	-.00039	.00053	.00175	4.6553	.00175
#2	45.840	.09630	.00772	-.07869	-.00035	-.00073	264.56	-.00061	.00276	.00220	4.6225	.00062
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											-5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00932**	**-.01296**	**-.02772**	**.00090**	**.00032**	W **4.5384**	**.00310**	**.00344**	W **9.2924**	**.00028**	**-.00052**	**-.01311**
Stddev	.00290	.01313	.02809	.00141	.00013	.0043	.00015	.00101	.0338	.00006	.00000	.00216
%RSD	31.126	101.33	101.33	156.75	41.217	.09396	4.9347	29.525	.36425	22.929	.83241	16.445
#1	-.00727	-.00367	-.00786	.00190	.00023	4.5354	.00321	.00272	9.2684	.00024	-.00052	-.01463
#2	-.01137	-.02224	-.04759	-.00010	.00042	4.5414	.00300	.00415	9.3163	.00033	-.00052	-.01158
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7209.7**	**93718.**	**8284.8**
Stddev	1.4	29.	10.3
%RSD	.01967	.03120	.12426
#1	7210.7	93739.	8292.1
#2	7208.7	93698.	8277.6

Sample Name: CCV-2271054 Acquired: 9/26/2013 9:03:41 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50288**	**.49244**	**1.0313**	**.51584**	**.48397**	**.48013**	**.00269**	**4.9497**	**.50164**	**.49201**	**.51508**	**.48719**	**2.4367**
Stddev	.00045	.00076	.0033	.00121	.00006	.00053	.00114	.0058	.00090	.00115	.00040	.00272	.0014
%RSD	.08982	.15486	.32347	.23364	.01163	.11086	42.265	.11657	.17907	.23273	.07730	.55809	.05778
#1	.50256	.49190	1.0290	.51499	.48401	.48050	.00188	4.9537	.50227	.49281	.51536	.48526	2.4377
#2	.50320	.49298	1.0337	.51670	.48394	.47975	.00349	4.9456	.50100	.49120	.51480	.48911	2.4358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.192**	**1.0224**	**18.431**	**.48444**	**.46805**	**5.2469**	**.51451**	**.92672**	**1.0371**	**.00029**	**.93741**	**1.0193**	**4.9787**
Stddev	.012	.0027	.031	.00093	.00145	.0545	.00065	.00159	.0013	.00141	.00847	.0048	.0658
%RSD	.02237	.26712	.16797	.19288	.30975	1.0390	.12570	.17148	.12068	480.91	.90339	.47210	1.3217
#1	52.183	1.0205	18.453	.48510	.46703	5.2855	.51497	.92560	1.0380	.00129	.94340	1.0227	4.9322
#2	52.200	1.0244	18.410	.48378	.46908	5.2084	.51406	.92785	1.0362	-.00070	.93142	1.0159	5.0252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.654**	**.94554**	**.48742**	**-.00527**	**.47233**	**.99194**	**-.00501**	**.49665**	**.46712**	**.48306**
Stddev	.141	.00294	.00027	.00051	.00032	.00084	.04881	.00090	.00324	.00496
%RSD	1.3217	.31053	.05497	9.7431	.06777	.08477	974.68	.18191	.69417	1.0259
#1	10.555	.94347	.48723	-.00490	.47211	.99253	.02951	.49601	.46941	.47956
#2	10.754	.94762	.48761	-.00563	.47256	.99134	-.03952	.49729	.46483	.48657
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7349.9**	**97005.**	**8424.4**
Stddev	26.4	541.	11.6
%RSD	.35904	.55778	.13717
#1	7368.6	96623.	8432.6
#2	7331.2	97388.	8416.3

Sample Name: CCB Acquired: 9/26/2013 9:05:49 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00077**	**.00128**	**.00069**	**.00018**	**.00016**	**.00257**	**.00575**	**-.00017**	**.00025**	**-.00007**	**-.00005**	**.00353**
Stddev	.00039	.00022	.00382	.00028	.00013	.00001	.00060	.00303	.00009	.00020	.00011	.00012	.00127
%RSD	95.983	27.898	299.89	40.981	68.848	4.1332	23.133	52.721	51.762	79.700	170.19	259.95	36.126
#1	.00013	.00093	.00398	.00090	.00027	.00016	.00215	.00361	-.00011	.00011	-.00015	.00004	.00443
#2	.00068	.00062	-.00143	.00049	.00009	.00017	.00300	.00790	-.00024	.00039	.00001	-.00013	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06920**	F **.00675**	**.00369**	**.00012**	**.00079**	**.04436**	**.00017**	**-.00199**	**-.00034**	**.00431**	F **.01408**	**-.00333**	**.00758**
Stddev	.00979	.00390	.00026	.00005	.00006	.00265	.00019	.00103	.00008	.00035	.00386	.00076	.01711
%RSD	14.143	57.860	7.0935	42.765	7.5506	5.9712	112.32	51.536	23.960	8.1619	27.402	22.758	225.89
#1	.06228	.00951	.00387	.00015	.00083	.04623	.00030	-.00127	-.00040	.00456	.01135	-.00387	-.00452
#2	.07612	.00399	.00350	.00008	.00074	.04249	.00003	-.00272	-.00029	.00406	.01681	-.00279	.01968
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.00522									.00628		
Low Limit		-.00522									-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01621**	**.00117**	**.00018**	**-.00013**	**-.00024**	**.00253**	**-.02529**	**.00052**	**.00089**	**.00005**
Stddev	.03662	.00036	.00008	.00019	.00002	.00023	.02136	.00027	.00050	.00132
%RSD	225.89	30.345	46.419	147.29	6.7260	8.9574	84.476	51.571	56.186	2721.4
#1	-.00968	.00143	.00024	-.00027	-.00023	.00237	-.01018	.00071	.00124	.00098
#2	.04211	.00092	.00012	.00001	-.00025	.00269	-.04039	.00033	.00053	-.00089
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7387.7**	**98789.**	**8228.6**
Stddev	4.2	25.	16.3
%RSD	.05679	.02550	.19758
#1	7390.6	98807.	8240.1
#2	7384.7	98771.	8217.1

Sample Name: CCVL2271034 Acquired: 9/26/2013 9:08:07 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00973**	**.10092**	**.01533**	**.09728**	**.00985**	**.00095**	**.10431**	**.20356**	**.00498**	**.01020**	**.01055**	**.01471**	**.10056**
Stddev	.00034	.00081	.00092	.00037	.00050	.00003	.00073	.00363	.00013	.00016	.00001	.00010	.00018
%RSD	3.4801	.80597	5.9679	.38489	5.1236	3.5216	.70193	1.7816	2.5136	1.6009	.07240	.69417	.17508
#1	.00997	.10034	.01469	.09702	.00949	.00092	.10380	.20612	.00489	.01031	.01056	.01478	.10044
#2	.00950	.10149	.01598	.09755	.01020	.00097	.10483	.20099	.00507	.01008	.01055	.01464	.10069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1299**	F **.01667**	**.18875**	**.00985**	**.01856**	**1.0648**	**.04189**	**2.6752**	**.01007**	**.00114**	**.01228**	F **.00798**	**.49497**
Stddev	.0289	.00098	.00131	.00001	.00019	.0022	.00017	.0161	.00042	.00205	.00022	.00318	.00666
%RSD	.92264	5.9001	.69615	.11274	1.0144	.20173	.40719	.60263	4.1965	179.26	1.7566	39.869	1.3464
#1	3.1095	.01736	.18782	.00986	.01843	1.0633	.04201	2.6638	.01036	.00259	.01212	.00573	.49026
#2	3.1503	.01597	.18968	.00984	.01869	1.0663	.04177	2.6866	.00977	-.00031	.01243	.01023	.49968
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		.01000										.01500	
Range		30.000%										-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0592**	**.09597**	**.00986**	**.01293**	**.00917**	**.01587**	F **.02509**	**.00939**	**.01961**	**.01171**
Stddev	.0143	.00008	.00010	.00013	.00007	.00001	.00888	.00003	.00027	.00033
%RSD	1.3464	.08027	1.0273	1.0354	.71288	.08429	35.395	.32943	1.3769	2.8336
#1	1.0491	.09602	.00979	.01284	.00922	.01586	.03138	.00937	.01942	.01148
#2	1.0693	.09592	.00993	.01303	.00913	.01588	.01881	.00942	.01980	.01195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7364.0**	**97786.**	**8296.4**
Stddev	10.7	1228.	8.0
%RSD	.14580	1.2560	.09595
#1	7371.6	98655.	8290.7
#2	7356.4	96918.	8302.0

Sample Name: 280-46856-a-1-b Acquired: 9/26/2013 9:10:27 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00359**	**.00672**	**.47469**	**.72432**	**.00003**	**-.00415**	**158.11**	**.00072**	**.00091**
Stddev	.00011	.00003	.00237	.00073	.00092	.00007	.00021	.30	.00004	.00035
%RSD	75.175	.74724	35.250	.15308	.12655	201.28	5.1300	.19208	5.0369	38.144
#1	-.00022	.00361	.00504	.47521	.72497	-.00001	-.00430	157.89	.00075	.00115
#2	-.00007	.00357	.00839	.47418	.72367	.00008	-.00400	158.32	.00069	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00102**	**4.1903**	**1.1583**	**.05117**	**55.885**	**.80666**	**.00154**	**371.49**	**.00071**
Stddev	.00000	.00017	.0439	.0321	.00328	.080	.00051	.00012	.74	.00031
%RSD	1.9436	16.868	1.0466	2.7739	6.4068	.14316	.06276	7.8810	.20041	43.005
#1	.00014	.00114	4.2213	1.1810	.05348	55.942	.80630	.00146	370.97	.00050
#2	.00014	.00090	4.1592	1.1356	.04885	55.828	.80702	.00163	372.02	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10729**	**-.00169**	**44.978**	**-.00172**	**-.00240**	**13.319**	**28.502**	**.00055**	**2.3003**	**-.00203**
Stddev	.00147	.00076	.119	.00272	.00335	.058	.123	.00042	.0006	.00091
%RSD	1.3691	44.968	.26537	158.53	139.65	.43206	.43206	76.838	.02636	45.123
#1	.10833	-.00115	44.894	.00021	-.00003	13.359	28.589	.00025	2.2999	-.00138
#2	.10625	-.00223	45.062	-.00364	-.00477	13.278	28.415	.00085	2.3008	-.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00158**	**-.01362**	**.00134**	**.00545**	**.00131**
Stddev	.00010	.00026	.02238	.00086	.00026	.00091
%RSD	200.07	16.447	164.28	63.691	4.7907	69.631
#1	-.00013	.00140	-.02945	.00195	.00527	.00067
#2	.00002	.00177	.00220	.00074	.00564	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6859.2**	**89950.**	**8199.9**
Stddev	13.8	317.	67.6
%RSD	.20160	.35256	.82383
#1	6849.4	89726.	8152.2
#2	6869.0	90175.	8247.7

Sample Name: 280-46856-a-1-bSD@5 Acquired: 9/26/2013 9:12:51 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.01152**	**.00373**	**.09729**	**.14343**	**-.00004**	**.00245**	**31.532**	**-.00009**	**.00024**
Stddev	.00016	.00017	.00021	.00009	.00101	.00001	.00174	.105	.00007	.00029
%RSD	127.57	1.5178	5.6656	.09053	.70751	16.805	70.736	.33293	82.746	122.30
#1	.00025	.01164	.00388	.09735	.14271	-.00004	.00123	31.458	-.00014	.00003
#2	.00001	.01140	.00358	.09723	.14415	-.00003	.00368	31.606	-.00004	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00019**	**.85497**	**.28018**	**.01482**	**11.162**	**.16092**	**.00023**	**74.256**	**.00007**
Stddev	.00023	.00036	.00041	.02536	.00413	.029	.00053	.00022	.102	.00002
%RSD	91.306	189.62	.04769	9.0512	27.875	.26085	.33062	95.992	.13770	29.341
#1	.00041	.00045	.85468	.26225	.01190	11.183	.16130	.00008	74.329	.00006
#2	.00009	-.00007	.85526	.29811	.01774	11.141	.16055	.00039	74.184	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01916**	**.00060**	**8.7671**	**-.00202**	W **-.00842**	**2.6108**	**5.5871**	**.00150**	**.45093**	**-.00114**
Stddev	.00141	.00007	.0099	.00435	.00425	.0132	.0282	.00014	.00145	.00114
%RSD	7.3798	12.380	.11312	214.81	50.511	.50453	.50453	9.5808	.32046	99.793
#1	.02016	.00055	8.7742	.00105	-.00541	2.6201	5.6070	.00140	.44991	-.00033
#2	.01816	.00065	8.7601	-.00510	-.01143	2.6015	5.5671	.00160	.45195	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00127**	**-.01177**	**.00053**	**.00530**	**.00023**
Stddev	.00012	.00088	.05029	.00030	.00050	.00216
%RSD	166.65	69.812	427.43	57.680	9.4905	942.63
#1	.00001	.00189	-.04733	.00074	.00565	-.00130
#2	-.00016	.00064	.02379	.00031	.00494	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7208.5**	**94685.**	**8323.3**
Stddev	23.9	484.	16.4
%RSD	.33175	.51114	.19717
#1	7191.6	94343.	8334.9
#2	7225.4	95028.	8311.7

Sample Name: 280-46856-a-1-c ms Acquired: 9/26/2013 9:15:11 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05070**	**1.8068**	**1.0992**	**1.4827**	**2.7232**	**.04928**	F **1.9099**	**204.58**	**.10597**	**.47463**
Stddev	.00076	.0040	.0082	.0043	.0000	.00001	.0054	1.60	.00040	.00022
%RSD	1.5072	.22183	.74477	.28897	.00005	.01339	.28361	.78433	.37437	.04565
#1	.05016	1.8040	1.1050	1.4858	2.7232	.04929	1.9138	203.44	.10625	.47447
#2	.05124	1.8097	1.0934	1.4797	2.7232	.04928	1.9061	205.71	.10568	.47478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20628**	**.24780**	**5.0656**	**55.671**	**1.0843**	**100.86**	**1.2758**	**.95358**	**422.58**	**.49572**
Stddev	.00092	.00029	.0006	.044	.0009	.06	.0006	.00042	.00	.00029
%RSD	.44489	.11722	.01146	.07910	.07971	.06131	.04905	.04362	.00010	.05831
#1	.20693	.24760	5.0660	55.702	1.0849	100.81	1.2753	.95329	422.58	.49593
#2	.20563	.24801	5.0652	55.640	1.0837	100.90	1.2762	.95388	422.58	.49552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.026**	**.49040**	**44.653**	**.48662**	**2.0532**	**23.254**	**49.763**	**1.8427**	**3.2822**	**.92869**
Stddev	.004	.00175	.028	.00117	.0031	.011	.024	.0035	.0002	.00212
%RSD	.04179	.35703	.06173	.24071	.15050	.04736	.04736	.19097	.00689	.22825
#1	10.023	.49163	44.634	.48745	2.0510	23.262	49.780	1.8452	3.2824	.92720
#2	10.029	.48916	44.673	.48580	2.0554	23.246	49.747	1.8402	3.2820	.93019
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96750**	**1.7675**	**1.9093**	**.51327**	**.46741**	**.49941**
Stddev	.00020	.0004	.0290	.00058	.00159	.00320
%RSD	.02093	.02438	1.5212	.11294	.34012	.64061
#1	.96765	1.7678	1.9298	.51368	.46629	.49714
#2	.96736	1.7672	1.8888	.51286	.46853	.50167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6804.9**	**89472.**	**8212.3**
Stddev	8.5	557.	76.6
%RSD	.12458	.62308	.93222
#1	6810.9	89867.	8158.2
#2	6798.9	89078.	8266.4

Sample Name: 280-46856-a-1-d msd Acquired: 9/26/2013 9:17:30 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05652**	**2.0245**	**1.2370**	**1.6496**	**3.0496**	**.05553**	F **2.1435**	**230.18**	**.11950**	**.53448**
Stddev	.00022	.0043	.0046	.0014	.0095	.00008	.0091	1.30	.00011	.00153
%RSD	.38424	.21296	.37047	.08377	.30984	.13742	.42582	.56274	.09088	.28592
#1	.05667	2.0215	1.2403	1.6486	3.0563	.05547	2.1500	229.27	.11942	.53556
#2	.05637	2.0275	1.2338	1.6506	3.0429	.05558	2.1371	231.10	.11957	.53340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23168**	**.27841**	**5.6028**	**62.703**	**1.2203**	**112.39**	**1.4251**	**1.0770**	**469.63**	**.55552**
Stddev	.00020	.00083	.0227	.027	.0004	.37	.0066	.0006	1.05	.00087
%RSD	.08696	.29871	.40474	.04304	.03200	.32757	.46063	.05703	.22462	.15652
#1	.23154	.27782	5.6188	62.722	1.2205	112.13	1.4204	1.0766	470.38	.55491
#2	.23183	.27900	5.5867	62.684	1.2200	112.65	1.4297	1.0774	468.88	.55614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.323**	**.54778**	**49.746**	**.54816**	**2.3041**	**25.830**	**55.275**	W **2.0708**	**3.6544**	**1.0489**
Stddev	.001	.00089	.085	.00028	.0083	.053	.113	.0005	.0101	.0053
%RSD	.00840	.16231	.17131	.05197	.35884	.20440	.20440	.02415	.27660	.50359
#1	11.322	.54841	49.806	.54837	2.2982	25.867	55.355	2.0712	3.6615	1.0452
#2	11.324	.54715	49.685	.54796	2.3099	25.792	55.196	2.0705	3.6473	1.0526
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0883**	**1.9758**	**2.1744**	**.57751**	**.52460**	**.55449**
Stddev	.0047	.0020	.0078	.00002	.00226	.00340
%RSD	.43329	.10067	.36029	.00305	.43113	.61330
#1	1.0850	1.9772	2.1688	.57752	.52300	.55209
#2	1.0916	1.9744	2.1799	.57749	.52620	.55690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6743.1**	**88818.**	**8259.4**
Stddev	16.0	482.	59.8
%RSD	.23670	.54222	.72421
#1	6754.3	89158.	8217.1
#2	6731.8	88477.	8301.7

Sample Name: 280-46856-a-1-bPDS Acquired: 9/26/2013 9:19:54 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192814 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05069**	**.90680**	**.21660**	**.56725**	**.80670**	**.04720**	**-.00235**	**173.18**	**.05107**	**.04757**
Stddev	.00076	.00184	.00214	.00035	.00082	.00031	.00495	.71	.00006	.00011
%RSD	1.5038	.20324	.98817	.06191	.10191	.66315	210.98	.41181	.11215	.23658
#1	.05123	.90810	.21811	.56700	.80612	.04698	.00115	172.67	.05103	.04765
#2	.05015	.90550	.21508	.56750	.80729	.04742	-.00585	173.68	.05111	.04749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05053**	**.04932**	**5.0157**	**22.181**	**.14693**	**72.700**	**.83820**	**.04900**	**383.96**	**.04917**
Stddev	.00001	.00004	.0078	.083	.00225	.080	.00042	.00003	1.04	.00052
%RSD	.02738	.08255	.15481	.37522	1.5311	.10996	.05013	.06221	.27105	1.0504
#1	.05054	.04935	5.0102	22.122	.14852	72.644	.83850	.04898	383.23	.04881
#2	.05052	.04929	5.0211	22.240	.14534	72.757	.83791	.04903	384.70	.04954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0614**	**.09399**	**44.265**	**.09439**	**.19862**	**17.860**	**38.221**	**.09268**	**2.3017**	**.17837**
Stddev	.0006	.00146	.012	.00170	.00108	.176	.377	.00020	.0035	.00116
%RSD	.03172	1.5509	.02821	1.7996	.54139	.98552	.98552	.22108	.15104	.65228
#1	2.0609	.09296	44.273	.09559	.19786	17.736	37.955	.09282	2.2993	.17755
#2	2.0619	.09502	44.256	.09319	.19938	17.985	38.488	.09253	2.3042	.17919
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04788**	**.17371**	**.44000**	**.05167**	**.19130**	**.04837**
Stddev	.00010	.00142	.04958	.00007	.00104	.00102
%RSD	.21413	.81881	11.268	.12967	.54568	2.1148
#1	.04795	.17472	.47505	.05163	.19204	.04910
#2	.04781	.17270	.40494	.05172	.19056	.04765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6852.0**	**89982.**	**8269.6**
Stddev	.3	140.	48.3
%RSD	.00398	.15531	.58357
#1	6851.8	90081.	8303.7
#2	6852.2	89883.	8235.5

Sample Name: 280-46952-a-2-h@5 Acquired: 9/26/2013 9:22:12 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**10.473**	**.05949**	**.07027**	**.12682**	**.00116**	**.00515**	**396.51**	**.00202**	**.00959**
Stddev	.00020	.059	.00233	.00031	.00023	.00010	.00031	4.52	.00004	.00012
%RSD	195.21	.56543	3.9126	.44021	.18010	8.3797	6.0202	1.1400	1.7488	1.2355
#1	-.00004	10.431	.06114	.07005	.12666	.00109	.00537	393.31	.00199	.00951
#2	.00024	10.515	.05785	.07049	.12699	.00123	.00493	399.70	.00204	.00968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11225**	**.02392**	**10.415**	**7.2972**	**.01823**	**205.79**	**.19386**	**.04444**	**6.1272**	**.35706**
Stddev	.00057	.00093	.054	.0183	.00091	.27	.00018	.00002	.0279	.00067
%RSD	.50966	3.8828	.51474	.25064	4.9932	.12960	.09466	.03737	.45618	.18901
#1	.11265	.02326	10.377	7.3102	.01888	205.60	.19373	.04443	6.1469	.35754
#2	.11184	.02458	10.453	7.2843	.01759	205.98	.19399	.04445	6.1074	.35659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27127**	**.05553**	**22.547**	**-.00059**	**-.00328**	**.56443**	**1.2079**	**.00789**	**.56569**	**-.00071**
Stddev	.00021	.00025	.002	.00129	.00266	.00424	.0091	.00083	.00192	.00100
%RSD	.07791	.44724	.00764	220.27	81.205	.75087	.75087	10.509	.33886	141.23
#1	.27112	.05535	22.546	.00033	-.00516	.56143	1.2015	.00847	.56433	-.00141
#2	.27142	.05570	22.549	-.00150	-.00139	.56743	1.2143	.00730	.56704	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40824**	**-.00129**	**-.03367**	**1.2359**	**.09275**	**.03974**
Stddev	.00047	.00150	.01916	.0009	.00060	.00082
%RSD	.11393	116.41	56.901	.06996	.64602	2.0612
#1	.40791	-.00235	-.04721	1.2365	.09317	.03916
#2	.40857	-.00023	-.02012	1.2353	.09232	.04032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.2**	**91215.**	**8376.7**
Stddev	32.8	192.	25.2
%RSD	.47260	.21090	.30083
#1	6953.4	91079.	8358.9
#2	6907.1	91351.	8394.5

Sample Name: 280-46919-a-3-c@5 Acquired: 9/26/2013 9:24:40 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 192986 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**10.737**	**.05917**	**.07360**	**.13392**	**.00125**	**.00635**	**410.45**	**.00172**	**.00988**
Stddev	.00048	.006	.00054	.00016	.00018	.00012	.00046	7.14	.00017	.00008
%RSD	515.65	.05614	.91928	.21593	.13400	9.5873	7.2751	1.7392	9.9055	.81360
#1	.00025	10.732	.05956	.07371	.13379	.00117	.00603	405.40	.00160	.00982
#2	-.00043	10.741	.05879	.07348	.13405	.00133	.00668	415.50	.00184	.00994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10397**	**.02693**	**10.651**	**9.9977**	**.01714**	**215.57**	**.19780**	**.04484**	**6.3271**	**.36548**
Stddev	.00024	.00043	.005	.0069	.00131	2.06	.00019	.00011	.0167	.00018
%RSD	.22626	1.6091	.05016	.06887	7.6340	.95764	.09647	.25609	.26398	.04920
#1	.10413	.02724	10.647	9.9928	.01806	214.11	.19767	.04475	6.3153	.36560
#2	.10380	.02662	10.655	10.003	.01621	217.03	.19794	.04492	6.3389	.36535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24773**	**.06008**	**26.207**	**-.00050**	W **-.00564**	**.54636**	**1.1692**	**.00844**	**.62632**	**-.00033**
Stddev	.00132	.00146	.035	.00078	.00288	.02103	.0450	.00054	.00036	.00102
%RSD	.53266	2.4272	.13313	155.69	50.992	3.8499	3.8499	6.3750	.05782	311.72
#1	.24679	.06111	26.183	-.00105	-.00768	.53149	1.1374	.00806	.62607	-.00105
#2	.24866	.05905	26.232	.00005	-.00361	.56123	1.2010	.00882	.62658	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42388**	**-.00196**	**-.00564**	**1.2539**	**.08999**	**.03938**
Stddev	.00042	.00038	.00992	.0003	.00013	.00035
%RSD	.09930	19.478	175.91	.02673	.14258	.87979
#1	.42358	-.00169	-.01266	1.2537	.09008	.03913
#2	.42418	-.00223	.00138	1.2542	.08990	.03962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6854.5**	**89983.**	**8313.5**
Stddev	6.2	135.	147.4
%RSD	.09108	.14968	1.7732
#1	6858.9	90078.	8417.7
#2	6850.1	89887.	8209.3

Sample Name: 280-46620-b-1-hPDS Acquired: 9/26/2013 9:29:14 Type: Unk
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04972**	**1.1080**	**.20772**	**.10849**	**.10715**	**.04720**	**.00182**	**57.821**	**.05287**	**.04973**
Stddev	.00035	.0018	.00253	.00068	.00023	.00003	.00465	.035	.00072	.00019
%RSD	.70370	.16434	1.2166	.62227	.21853	.05855	256.01	.06023	1.3711	.37642
#1	.04948	1.1068	.20951	.10801	.10699	.04722	.00510	57.796	.05235	.04960
#2	.04997	1.1093	.20594	.10896	.10732	.04718	-.00147	57.846	.05338	.04986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05101**	**.05776**	**1.3331**	**21.860**	**.11910**	**19.502**	**.32187**	**.04669**	**304.63**	**.05590**
Stddev	.00029	.00047	.0029	.102	.00087	.064	.00010	.00011	.34	.00030
%RSD	.56073	.80572	.22056	.46840	.73424	.32934	.02988	.23908	.11064	.52800
#1	.05081	.05809	1.3311	21.788	.11848	19.457	.32181	.04661	304.87	.05569
#2	.05122	.05743	1.3352	21.932	.11971	19.547	.32194	.04677	304.39	.05611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2174**	**.10191**	**3.4351**	**.09428**	**.19883**	**8.7923**	**18.815**	**.09212**	**.19817**	**.17687**
Stddev	.0296	.00165	.0171	.00128	.00361	.0086	.018	.00139	.00037	.00296
%RSD	.91996	1.6197	.49874	1.3530	1.8137	.09814	.09814	1.5089	.18601	1.6724
#1	3.1965	.10074	3.4230	.09518	.20138	8.7862	18.802	.09114	.19791	.17478
#2	3.2384	.10308	3.4472	.09338	.19628	8.7984	18.829	.09310	.19843	.17896
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04812**	**.17818**	**.46697**	**.05030**	**1.0817**	**.04893**
Stddev	.00018	.00300	.01931	.00030	.0023	.00146
%RSD	.38201	1.6814	4.1361	.59878	.21144	2.9801
#1	.04799	.17606	.48063	.05009	1.0800	.04996
#2	.04825	.18030	.45332	.05052	1.0833	.04790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7072.4**	**91782.**	**8318.2**
Stddev	24.6	31.	51.6
%RSD	.34791	.03410	.62031
#1	7089.8	91760.	8354.7
#2	7055.0	91804.	8281.7

Sample Name: CCVH-2271055 Acquired: 9/26/2013 9:31:34 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00179**	**48.369**	**.00659**	**.00292**	**.00025**	**-.00001**	W **.93683**	**.02285**	**.00037**	**-.00035**	**-.00048**	**-.00262**
Stddev	.00002	.194	.00034	.00009	.00006	.00001	.00096	.00489	.00002	.00001	.00012	.00073
%RSD	1.0986	.40116	5.2215	2.9533	22.258	143.30	.10223	21.408	6.5160	2.3481	25.518	27.834
#1	-.00181	48.506	.00634	.00298	.00029	-.00001	.93615	.02631	.00039	-.00035	-.00040	-.00210
#2	-.00178	48.232	.00683	.00285	.00021	.00000	.93751	.01939	.00035	-.00036	-.00057	-.00313
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.847**	**.07641**	**.00550**	**-.07590**	**-.00036**	**-.00035**	**264.39**	**.00000**	**.00235**	**.00168**	W **4.6949**	**.00174**
Stddev	.401	.03962	.00393	.00078	.00001	.00013	.85	.0001	.00092	.00057	.0045	.00326
%RSD	.87478	51.855	71.487	1.0300	2.6511	36.152	.32265	2892.6	39.353	34.051	.09556	187.07
#1	45.563	.10443	.00829	-.07646	-.00036	-.00044	264.99	-.00010	.00169	.00127	4.6917	-.00056
#2	46.130	.04839	.00272	-.07535	-.00035	-.00026	263.78	.00009	.00300	.00208	4.6981	.00405
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											-5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00659**	**-.00072**	**-.00154**	**.00174**	**.00032**	W **4.5677**	**.00387**	**.00279**	W **9.3434**	**-.00011**	**.00027**	**-.01406**
Stddev	.00417	.00944	.02020	.00054	.00010	.0007	.00008	.00101	.0265	.00006	.00008	.00182
%RSD	63.340	1313.8	1313.8	31.173	30.925	.01628	2.1676	36.071	.28374	57.094	29.519	12.940
#1	-.00954	.00596	.01275	.00136	.00039	4.5682	.00381	.00350	9.3246	-.00016	.00021	-.01535
#2	-.00364	-.00739	-.01582	.00213	.00025	4.5671	.00392	.00208	9.3621	-.00007	.00033	-.01278
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7172.8**	**93136.**	**8235.7**
Stddev	21.7	650.	22.8
%RSD	.30252	.69821	.27662
#1	7157.5	92676.	8251.8
#2	7188.2	93596.	8219.6

Sample Name: CCV-2271054 Acquired: 9/26/2013 9:33:52 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50294**	**.49189**	**1.0409**	**.51991**	**.48562**	**.47936**	**.00340**	**4.9343**	**.50516**	**.49390**	**.51526**	**.48954**	**2.4473**
Stddev	.00002	.00040	.0075	.00131	.00121	.00121	.00234	.0139	.00094	.00015	.00044	.00004	.0020
%RSD	.00314	.08052	.71966	.25152	.24928	.25266	68.814	.28238	.18698	.03029	.08635	.00753	.08350
#1	.50295	.49217	1.0462	.51898	.48477	.47850	.00506	4.9244	.50582	.49380	.51557	.48956	2.4458
#2	.50293	.49161	1.0356	.52083	.48648	.48021	.00175	4.9441	.50449	.49401	.51494	.48951	2.4487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.121**	**1.0191**	**18.434**	**.48385**	**.47218**	**5.1801**	**.51374**	**.93955**	**1.0377**	**-.00050**	**.95025**	**1.0310**	**4.9717**
Stddev	.152	.0084	.011	.00037	.00251	.0288	.00064	.00616	.0013	.00196	.00172	.0024	.0120
%RSD	.29245	.82706	.06214	.07687	.53210	.55565	.12520	.65538	.12586	395.38	.18085	.23505	.24118
#1	52.013	1.0132	18.442	.48358	.47040	5.2005	.51329	.93520	1.0367	.00089	.94903	1.0293	4.9633
#2	52.228	1.0251	18.426	.48411	.47396	5.1598	.51420	.94390	1.0386	-.00188	.95146	1.0327	4.9802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.640**	**.94806**	**.48857**	**-.00356**	**.47210**	**.99781**	**-.02065**	**.49550**	**.46854**	**.48777**
Stddev	.026	.00512	.00013	.00233	.00040	.00861	.05701	.00172	.00031	.00458
%RSD	.24118	.53983	.02708	65.479	.08440	.86255	276.12	.34751	.06511	.93988
#1	10.621	.94444	.48848	-.00521	.47239	.99172	.01967	.49428	.46833	.48452
#2	10.658	.95168	.48866	-.00191	.47182	1.0039	-.06096	.49672	.46876	.49101
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7371.6**	**97821.**	**8558.2**
Stddev	24.4	489.	45.1
%RSD	.33159	.49983	.52667
#1	7388.8	98166.	8590.1
#2	7354.3	97475.	8526.4

Sample Name: CCB Acquired: 9/26/2013 9:37:59 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00004**	**.00405**	**.00150**	**-.00031**	**.00002**	**.00277**	**.00053**	**-.00012**	**.00005**	**.00017**
Stddev	.00053	.00026	.00191	.00016	.00020	.00009	.00014	.00553	.00004	.00004	.00008
%RSD	396.74	587.82	47.069	10.808	64.371	593.61	4.9519	1040.8	35.236	73.599	49.865
#1	.00024	-.00014	.00540	.00139	-.00046	.00008	.00268	.00444	-.00015	.00003	.00022
#2	-.00051	.00023	.00270	.00162	-.00017	-.00005	.00287	-.00338	-.00009	.00008	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00169**	**.01967**	W **.00340**	**-.00067**	**-.00007**	**.00016**	**.02819**	**-.00015**	**-.00128**	**.00017**
Stddev	.00001	.00084	.03377	.00024	.00008	.00007	.00028	.00888	.00017	.00063	.00033
%RSD	21.132	49.450	171.70	7.0369	12.575	87.870	171.93	31.501	111.91	49.398	196.03
#1	-.00004	.00228	.04355	.00323	-.00073	-.00003	.00035	.02191	-.00003	-.00083	-.00007
#2	-.00006	.00110	-.00421	.00357	-.00061	-.00012	-.00003	.03447	-.00028	-.00173	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**.00170**	W **-.00584**	**.00787**	**.01685**	**.00116**	**-.00003**	**-.00222**	**-.00007**	**.00098**	**-.03510**
Stddev	.00085	.00111	.00013	.01163	.02488	.00025	.00014	.00089	.00014	.00051	.01491
%RSD	20.680	65.178	2.2552	147.70	147.70	21.915	404.94	40.160	193.35	51.350	42.469
#1	.00471	.00092	-.00593	.01609	.03444	.00134	.00006	-.00285	.00003	.00063	-.04564
#2	.00351	.00248	-.00574	-.00035	-.00075	.00098	-.00013	-.00159	-.00017	.00134	-.02456
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00010**	**.00105**	**-.00114**
Stddev	.00033	.00012	.00045
%RSD	332.84	11.099	39.632
#1	-.00034	.00113	-.00146
#2	.00014	.00097	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7402.3**	**98498.**	**8283.7**
Stddev	11.1	488.	48.9
%RSD	.14987	.49544	.58988
#1	7394.4	98153.	8318.3
#2	7410.1	98843.	8249.2

Sample Name: CCVL2271034 Acquired: 9/26/2013 9:40:16 Type: QC
Method: 6500_025(v10) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01030**	**.10067**	**.01873**	**.09891**	**.00962**	**.00092**	**.10796**	**.20463**	**.00511**	**.01050**	**.01057**	**.01490**	**.09952**
Stddev	.00006	.00032	.00066	.00010	.00035	.00009	.00024	.00171	.00004	.00029	.00010	.00035	.00258
%RSD	.60563	.31497	3.5116	.10095	3.6105	9.7569	.21941	.83531	.71055	2.7931	.97003	2.3591	2.5930
#1	.01034	.10045	.01827	.09898	.00938	.00098	.10779	.20584	.00509	.01029	.01065	.01465	.10134
#2	.01025	.10090	.01920	.09884	.00987	.00086	.10812	.20342	.00514	.01070	.01050	.01515	.09769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1071**	F **.01637**	**.18757**	**.00988**	**.01855**	**1.0800**	**.04226**	**2.6848**	**.00927**	**.00643**	**.00824**	**.01255**	**.48827**
Stddev	.0052	.00100	.00284	.00001	.00014	.0046	.00054	.0173	.00045	.00179	.00051	.00311	.01391
%RSD	.16679	6.1003	1.5128	.06456	.76356	.42807	1.2873	.64370	4.8860	27.853	6.2360	24.789	2.8478
#1	3.1107	.01566	.18556	.00988	.01865	1.0767	.04188	2.6725	.00959	.00770	.00860	.01475	.47844
#2	3.1034	.01708	.18958	.00989	.01845	1.0833	.04265	2.6970	.00895	.00517	.00788	.01035	.49811
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0449**	**.09626**	**.00994**	**.01184**	**.00937**	**.01593**	F **.08011**	**.00983**	**.01942**	**.01556**
Stddev	.0298	.00035	.00004	.00133	.00010	.00035	.00130	.00030	.00057	.00032
%RSD	2.8478	.36704	.40826	11.225	1.1014	2.1833	1.6271	3.0748	2.9184	2.0585
#1	1.0239	.09601	.00997	.01278	.00930	.01568	.07919	.00962	.01982	.01578
#2	1.0659	.09651	.00991	.01090	.00944	.01618	.08103	.01005	.01901	.01533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7426.3**	**99240.**	**8464.4**
Stddev	14.3	318.	118.0
%RSD	.19291	.32086	1.3938
#1	7436.4	99015.	8547.8
#2	7416.1	99465.	8380.9

ICP Data Review Checklist

TALS BATCH NUMBER: 193214, 193216-193219, 193221, 193223		Earliest due date: 9/26/13
Run Date: 9/25/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			—
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			—
3. MS run at required frequency and within limits?	✓			—
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			—
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			—
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			—
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			—
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			—
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			—
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			—
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			—
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			—
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			—
2. Are all reported results bracketed by in control QC?	✓			—
D. Other				
1. Are all nonconformances documented appropriately?	✓			—
2. Calculations checked for errors?	✓			—
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			—
4. All client/project specific requirements met?	✓			—
5. Date/time of analysis verified as correct?	✓			—
6. PDF attached, verified uncorrupted?	✓			—

Analyst: JKH **Date:** 9/26/13

Comments:

2nd Level Reviewer: [signature] **Date:** 9/28/13

Comments:

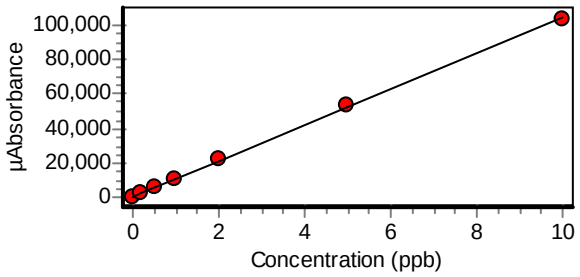
Report Generated By CETAC QuickTrace
Analyst: MooneyJ
Worksheet file: C:\Program Files\QuickTrace\Worksheets\2013\10-OCT\131004taa.wsz
Date Started: 10/4/2013 11:49:34 AM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	10/04/13 01:12:00 pm	0.000	-4	65.23		1.00	1.00	1.00
Std1	STD	10/04/13 01:14:18 pm	0.200	2304	0.67		1.00	1.00	1.00
Std2	STD	10/04/13 01:16:36 pm	0.500	5489	1.12		1.00	1.00	1.00
Std3	STD	10/04/13 01:18:55 pm	1.000	10821	0.94		1.00	1.00	1.00
Std4	STD	10/04/13 01:21:15 pm	2.000	21705	0.84		1.00	1.00	1.00
Std5	STD	10/04/13 01:23:35 pm	5.000	53818	0.77		1.00	1.00	1.00
Std6	STD	10/04/13 01:25:55 pm	10.000	103927	0.68		1.00	1.00	1.00

Calibration

Equation: A = 471.249 + 10415.100C
R2: 0.99970
SEE: 719.9497
Flags:



ICV 2288556	ICV	10/04/13 01:32:25 pm	4.107	43243	0.88		1.00	1.00	1.00
% Recovery 102.67									
ICB	ICB	10/04/13 01:34:43 pm	-0.048	-32	6.87		1.00	1.00	1.00
CRA 2288559	CRDL	10/04/13 01:37:00 pm	0.176	2304	1.02		1.00	1.00	1.00
% Recovery 87.97									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 2288557	CCV	10/04/13 01:39:20 pm	5.141	54016	0.72		1.00	1.00
% Recovery 102.82							1.00	
CCB	CCB	10/04/13 01:41:38 pm	-0.049	-40	0.80		1.00	1.00
							1.00	
MB 280-194180/1-A	UNK	10/04/13 01:43:55 pm	-0.026	201	0.63		1.00	1.00
							1.00	
LCS 280-194180/2-A	UNK	10/04/13 01:46:12 pm	4.939	51917	1.01		1.00	1.00
							1.00	
280-47185-C-1-B	UNK	10/04/13 01:48:30 pm	-0.038	76	3.21		1.00	1.00
							1.00	
280-47185-C-1-C MS	UNK	10/04/13 01:50:48 pm	4.808	50547	0.77		1.00	1.00
							1.00	
280-47185-C-1-D MSD	UNK	10/04/13 01:53:06 pm	4.801	50473	0.85		1.00	1.00
							1.00	
280-47329-C-1-G	UNK	10/04/13 01:55:25 pm	-0.045	1	678.20		1.00	1.00
							1.00	
280-47329-C-1-H MS	UNK	10/04/13 01:57:44 pm	4.803	50500	0.86		1.00	1.00
							1.00	
280-47329-C-1-I MSD	UNK	10/04/13 02:00:03 pm	4.804	50509	1.04		1.00	1.00
							1.00	
280-47329-C-2-E	UNK	10/04/13 02:02:23 pm	-0.043	26	10.48		1.00	1.00
							1.00	
280-47329-C-3-E	UNK	10/04/13 02:04:43 pm	-0.039	61	5.20		1.00	1.00
							1.00	
CCV 2288557	CCV	10/04/13 02:07:03 pm	5.106	53653	1.12		1.00	1.00
% Recovery 102.12							1.00	
CCB	CCB	10/04/13 02:09:20 pm	-0.048	-28	13.63		1.00	1.00
							1.00	
280-47329-C-4-E	UNK	10/04/13 02:11:40 pm	-0.036	97	3.24		1.00	1.00
							1.00	
280-47329-C-5-E	UNK	10/04/13 02:14:01 pm	0.318	3780	1.13		1.00	1.00
							1.00	
280-47329-C-6-E	UNK	10/04/13 02:16:17 pm	-0.021	256	1.19		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-47329-C-7-E	UNK	10/04/13 02:18:34 pm	1.929	20566	0.90		1.00	1.00	1.00
280-47329-C-8-E	UNK	10/04/13 02:20:52 pm	-0.035	104	5.85	s	1.00	1.00	1.00
280-47335-B-1-C	UNK	10/04/13 02:23:10 pm	-0.036	96	3.85		1.00	1.00	1.00
280-47335-B-2-C	UNK	10/04/13 02:25:27 pm	-0.036	100	3.27		1.00	1.00	1.00
280-47335-B-3-C	UNK	10/04/13 02:27:46 pm	-0.028	176	1.11		1.00	1.00	1.00
280-47335-B-4-C	UNK	10/04/13 02:30:04 pm	-0.039	65	5.78		1.00	1.00	1.00
280-47335-B-5-C	UNK	10/04/13 02:32:23 pm	-0.035	103	5.56	s	1.00	1.00	1.00
CCV 2288557	CCV	10/04/13 02:34:43 pm	5.107	53657	0.89		1.00	1.00	1.00
% Recovery 102.13									
CCB	CCB	10/04/13 02:37:00 pm	-0.047	-22	9.49		1.00	1.00	1.00
280-47315-H-1-D	UNK	10/04/13 02:39:19 pm	-0.043	25	4.51		1.00	1.00	1.00
280-47315-H-3-B	UNK	10/04/13 02:41:39 pm	-0.042	35	1.85		1.00	1.00	1.00
280-47316-F-1-C	UNK	10/04/13 02:43:58 pm	-0.038	72	5.66		1.00	1.00	1.00
280-47316-F-2-C	UNK	10/04/13 02:46:18 pm	-0.042	34	2.13		1.00	1.00	1.00
280-47316-F-3-C	UNK	10/04/13 02:49:11 pm	-0.043	19	5.25		1.00	1.00	1.00
280-47316-F-4-C	UNK	10/04/13 02:51:28 pm	-0.043	23	11.95		1.00	1.00	1.00
MB 280-192979/1-A	UNK	10/04/13 02:53:45 pm	-0.031	153	1.56		1.00	1.00	1.00
LCS 280-192979/2-A	UNK	10/04/13 02:56:03 pm	4.793	50387	0.74		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-46783-A-2-C	UNK	10/04/13 02:58:21 pm	-0.044	12	8.97		1.00	1.00	1.00
280-46783-A-7-G	UNK	10/04/13 03:00:39 pm	-0.044	12	29.24		1.00	1.00	1.00
CCV 2288557	CCV	10/04/13 03:02:59 pm	5.112	53712	0.98		1.00	1.00	1.00
% Recovery 102.24									
CCB	CCB	10/04/13 03:05:16 pm	-0.047	-15	14.36		1.00	1.00	1.00
280-46783-A-7-H MS	UNK	10/04/13 03:07:35 pm	4.799	50449	0.86		1.00	1.00	1.00
280-46783-A-7-I MSD	UNK	10/04/13 03:09:54 pm	4.724	49670	0.90		1.00	1.00	1.00
280-46783-A-12-C	UNK	10/04/13 03:12:13 pm	-0.045	4	49.48		1.00	1.00	1.00
280-46783-A-17-C	UNK	10/04/13 03:14:32 pm	-0.044	16	22.84		1.00	1.00	1.00
280-46783-A-22-C	UNK	10/04/13 03:16:52 pm	-0.042	33	9.81		1.00	1.00	1.00
280-46878-A-4-C	UNK	10/04/13 03:19:12 pm	-0.042	33	9.51		1.00	1.00	1.00
280-46878-A-9-C	UNK	10/04/13 03:21:29 pm	-0.042	30	9.50		1.00	1.00	1.00
280-46878-A-14-C	UNK	10/04/13 03:23:46 pm	-0.043	24	14.55		1.00	1.00	1.00
280-46878-A-19-C	UNK	10/04/13 03:26:04 pm	-0.043	28	6.56		1.00	1.00	1.00
280-46878-A-25-C	UNK	10/04/13 03:28:21 pm	-0.041	40	3.89		1.00	1.00	1.00
CCV 2288557	CCV	10/04/13 03:30:41 pm	5.106	53650	0.94		1.00	1.00	1.00
% Recovery 102.12									
CCB	CCB	10/04/13 03:32:59 pm	-0.047	-15	19.72		1.00	1.00	1.00
280-46878-A-30-C	UNK	10/04/13 03:35:17 pm	-0.042	34	4.22		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-46878-A-37-C	UNK	10/04/13 03:37:35 pm	-0.041	43	11.88		1.00	1.00	1.00
280-46878-A-45-C	UNK	10/04/13 03:39:53 pm	-0.044	18	13.34		1.00	1.00	1.00
280-46878-A-50-C	UNK	10/04/13 03:42:12 pm	-0.044	18	20.90		1.00	1.00	1.00
280-46878-A-55-C	UNK	10/04/13 03:44:31 pm	-0.042	31	9.37		1.00	1.00	1.00
280-46906-A-2-C	UNK	10/04/13 03:46:51 pm	-0.042	34	5.88		1.00	1.00	1.00
280-46906-A-12-C	UNK	10/04/13 03:49:10 pm	-0.042	30	6.60		1.00	1.00	1.00
280-46906-A-17-C	UNK	10/04/13 03:51:30 pm	-0.041	48	3.03		1.00	1.00	1.00
280-46906-A-22-C	UNK	10/04/13 03:53:48 pm	-0.044	13	9.26		1.00	1.00	1.00
MB 280-194248/1-A	UNK	10/04/13 03:56:05 pm	-0.027	186	1.37		1.00	1.00	1.00
CCV 2288557	CCV	10/04/13 03:58:25 pm	5.027	52825	0.91		1.00	1.00	1.00
% Recovery 100.53									
CCB	CCB	10/04/13 04:00:43 pm	-0.035	102	2.23		1.00	1.00	1.00
LCS 280-194248/2-A	UNK	10/04/13 04:03:00 pm	4.687	49286	0.85		1.00	1.00	1.00
280-46945-A-3-J	UNK	10/04/13 04:05:18 pm	-0.046	-4	93.45		1.00	1.00	1.00
280-46945-A-3-J sd@5	UNK	10/04/13 04:07:36 pm	-0.039	67	4.97		1.00	1.00	1.00
280-46945-A-3-K MS	UNK	10/04/13 04:09:54 pm	4.809	50563	0.67		1.00	1.00	1.00
280-46945-A-3-L MSD	UNK	10/04/13 04:12:13 pm	4.772	50170	0.82		1.00	1.00	1.00
280-46945-A-4-D	UNK	10/04/13 04:14:31 pm	-0.049	-40	5.04		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-46945-A-5-C	UNK	10/04/13 04:16:51 pm	1.693	18102	0.88		1.00	1.00	1.00
MB 280-194406/1-A	UNK	10/04/13 04:19:10 pm	-0.032	143	0.52		1.00	1.00	1.00
LCS 280-194406/2-A	UNK	10/04/13 04:21:30 pm	4.955	52074	0.89		1.00	1.00	1.00
280-47412-A-1-D	UNK	10/04/13 04:23:49 pm	-0.044	8	42.92		1.00	1.00	1.00
CCV 2288557	CCV	10/04/13 04:26:09 pm	5.071	53289	0.69		1.00	1.00	1.00
% Recovery 101.43									
CCB	CCB	10/04/13 04:28:27 pm	-0.036	96	3.16		1.00	1.00	1.00
280-47412-A-1-D sd@5	UNK	10/04/13 04:30:45 pm	-0.039	66	2.26		1.00	1.00	1.00
280-47412-A-1-E MS	UNK	10/04/13 04:33:03 pm	4.915	51661	0.66		1.00	1.00	1.00
280-47412-A-1-F MSD	UNK	10/04/13 04:35:21 pm	4.980	52339	0.71		1.00	1.00	1.00
280-47412-A-2-B	UNK	10/04/13 04:37:39 pm	-0.046	-10	55.95		1.00	1.00	1.00
280-47412-A-3-B	UNK	10/04/13 04:39:57 pm	-0.045	5	29.71		1.00	1.00	1.00
280-47412-A-4-B	UNK	10/04/13 04:42:15 pm	-0.041	40	9.12		1.00	1.00	1.00
LB 280-191495/1-C	UNK	10/04/13 04:44:34 pm	-0.041	48	5.88		1.00	1.00	1.00
LCS 280-191495/2-C	UNK	10/04/13 04:46:53 pm	5.514	57899	0.13		1.00	1.00	1.00
280-46620-B-1-E	UNK	10/04/13 04:49:12 pm	-0.020	265	0.38		1.00	1.00	1.00
280-46620-B-1-E sd@5	UNK	10/04/13 04:51:31 pm	-0.035	105	1.60		1.00	1.00	1.00
CCV 2288557	CCV	10/04/13 04:53:51 pm	5.083	53413	0.58		1.00	1.00	1.00
% Recovery 101.66									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCB	CCB	10/04/13 04:56:08 pm	-0.037	90	1.96		1.00	1.00	1.00
280-46620-B-1-F MS	UNK	10/04/13 04:58:28 pm	5.597	58763	0.11		1.00	1.00	1.00
280-46620-B-1-G MSD	UNK	10/04/13 05:00:48 pm	5.507	57826	0.11		1.00	1.00	1.00
LB3 280-194222/1-E	UNK	10/04/13 05:03:06 pm	-0.046	-12	28.54		1.00	1.00	1.00
LCS 280-194222/2-E	UNK	10/04/13 05:05:25 pm	4.905	51556	0.61		1.00	1.00	1.00
280-47245-A-18-H	UNK	10/04/13 05:07:43 pm	-0.022	244	0.67		1.00	1.00	1.00
280-47245-A-18-H sd@5	UNK	10/04/13 05:10:01 pm	-0.035	105	1.23		1.00	1.00	1.00
280-47245-A-18-I MS	UNK	10/04/13 05:12:20 pm	4.641	48812	0.57		1.00	1.00	1.00
280-47245-A-18-J MSD	UNK	10/04/13 05:14:38 pm	4.631	48701	0.60		1.00	1.00	1.00
280-47391-C-2-E	UNK	10/04/13 05:16:56 pm	-0.050	-51	10.78		1.00	1.00	1.00
280-46945-A-6-C	CCV	10/04/13 05:19:16 pm	1.473	15810	0.32	Q	1.00	1.00	1.00
% Recovery 29.46									
CCV 2288557	CCV	10/04/13 05:23:32 pm	5.146	54069	0.77		1.00	1.00	1.00
% Recovery 102.92									
CCB	CCB	10/04/13 05:25:49 pm	-0.039	63	0.91		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	60.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Method(s):
245.1 245.1_DW
7470A 7471A 7471B

Applicable QC Batches: 194552

Mercury Analysis Raw Data Checklist

Analyst's Checklist

	yes	no	n/a
1. Were the special instructions for prep and/or analysis followed?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is the blank less than one-half the reporting limit or properly anomalized?	☑	☐	☐
4. Are the LCSs within limits or properly anomalized?	☑	☐	☐
5. Are the ICV and all CCVs within limits?	☑	☐	☐
6. Are the ICB and all CCBs within ± one-half the reporting limit from zero?	☑	☐	☐
7. Were the CCVs and CCBs run with at most 10 samples between each set?	☑	☐	☐
8. Are the reporting limits correct and reflect any dilutions?	☑	☐	☐
9. Are the benchsheets complete (including calibration and standard verification #'s)?	☑	☐	☐
10. Are all comments, footnotes, and anomalies properly documented?	☑	☐	☐
11. Are holding time violation forms completed and attached?	☑	☐	☐
12. Have all sample data been entered into LIMS?	☑	☐	☐
13. Have all QC data been entered into LIMS?	☑	☐	☐
14. Have the data entered into LIMS been checked for errors?	☑	☐	☐
15. For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☑	☐	☐
16. Are all passing CRAs set to acceptable?	☑	☐	☐
17. Is the PDF attached?	☑	☐	☐

Analyst's Name: Joe Mooney Date: 10/4/13

Data Review's Checklist

	yes	no	n/a
1. Have the calculations been checked?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4. Are all the significant figures and reporting limits correct?	☑	☐	☐
5. Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6. Have any data errors been documented and entered into LIMS?	☐	☐	☑
7. Is prep date correct in LIMS?	☑	☐	☐
8. If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☐	☐	☑

Reviewed by: [signature] Date: 10/7/13

Comments:

Anomalies:

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 191495 Batch Start Date: 09/14/13 13:10 Batch Analyst: Wiggins, Joshua J

Batch Method: 1311 Batch End Date: 09/15/13 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-191495/1		1311, 3010A, 6010B		T1					
LCS 280-191495/2		1311, 3010A, 6010B		T1					
280-46620-B-1	AOI474TCLP02AA	1311, 3010A, 6010B	P	T1					

Batch Notes	
First End time	09/15/13 08:30
First Start time	09/14/13 13:10

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 192694 Batch Start Date: 09/25/13 12:30 Batch Analyst: Mihalcin, Jason A

Batch Method: 3010A Batch End Date: 09/25/13 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2A 00064	ICP SPK 3A 00066	TCLP Spike 00009
LB 280-191495/1-A		3010A, 6010B			10 mL	50 mL			
LCS 280-191495/2-A		3010A, 6010B			10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL
280-46620-B-1-A	AOI474TCLP02AA	3010A, 6010B	P	<2 SU	10 mL	50 mL			
280-46620-B-1-A MS	AOI474TCLP02AA	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL
280-46620-B-1-A MSD	AOI474TCLP02AA	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL

Batch Notes	
Filter Paper Lot Number	400053
Lot # of hydrochloric acid	0000040272-09/18
Lot # of Nitric Acid	0000050770-09/18
Hot Block ID number	04
Oven, Bath or Block Temperature 1	91 Degrees C
Oven, Bath or Block Temperature 2	94 Degrees C
Pipette ID	MET-015
ID number of the thermometer	MP4
Digestion Tube/Cup Lot #	1303205
Uncorrected Temperature	91 Celsius
Uncorrected Temperature 2	94 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 191495 Batch Start Date: 09/14/13 13:10 Batch Analyst: Wiggins, Joshua J

Batch Method: 1311 Batch End Date: 09/15/13 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-191495/1		1311, 7470A, 7470A		T1					
LCS 280-191495/2		1311, 7470A, 7470A		T1					
280-46620-B-1	AOI474TCLP02AA	1311, 7470A, 7470A	P	T1					

Batch Notes	
First End time	09/15/13 08:30
First Start time	09/14/13 13:10

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 191940 Batch Start Date: 10/04/13 10:25 Batch Analyst: Rhoades, Chris R

Batch Method: 7470A Batch End Date: 10/04/13 12:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 00912		
LB 280-191495/1-A		7470A, 7470A			30 mL	30 mL			
LCS 280-191495/2-A		7470A, 7470A			30 mL	30 mL	1.5 mL		
280-46620-B-1-A	AOI474TCLP02AA	7470A, 7470A	P	<2	30 mL	30 mL			
280-46620-B-1-A MS	AOI474TCLP02AA	7470A, 7470A	P	<2	30 mL	30 mL	1.5 mL		
280-46620-B-1-A MSD	AOI474TCLP02AA	7470A, 7470A	P	<2	30 mL	30 mL	1.5 mL		

Batch Notes	
Hydroxylamine Hydrochloride Lot	2BK0049-9/25
Sulfuric Acid Lot Number	0000035166-10/2
Lot # of hydrochloric acid	0000040272-9/12
Lot # of Nitric Acid	0000042514-9/20
Hood ID or number	HOOD4
Hot Block ID number	15
Potassium Persulfate Lot Number	121266-9/26
Potassium Permanganate Lot Number	0000047557-10/4
NaCL Lot #	0000041327-9/25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95
Pipette ID	MET58
Stannous Chloride Lot Number	0000042968-9/23
SOP Number	DVMT0017
Temperature	95 Celsius
ID number of the thermometer	HG-4
Digestion Tube/Cup Lot #	1303285
Uncorrected Temperature	95 Celsius
Visual ck - digestate F.V. consistency	YES-F.V.CKD

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-46620-1

SDG No.:

Batch Number: 191940 Batch Start Date: 10/04/13 10:25 Batch Analyst: Rhoades, Chris R

Batch Method: 7470A Batch End Date: 10/04/13 12:25

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

280-46620 Chain of

1.0 SK
IL 9-13-13

CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _294 _ (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB Unknown #2 Sampler Name: Joshua Wenzel Sampler Signature:	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.		

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	SVOCs TCLP ~~VOCs~~; 8 oz glass jar	TCLP Metals 8 oz glass jar	Comments
AOI474TCLP02AA	AOI 474 TCLP	9/12	1030	SO	G	N	0/0	2	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List:

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9/12/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1600	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 9/13/13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name:	Time: 0930	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-46620-1

Login Number: 46620

List Source: TestAmerica Denver

List Number: 1

Creator: Knauf, James R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-48651-1

Job Description: Griffiss AFB AOI 474

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
11/24/2013 9:28 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
11/24/2013

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB AOI 474
Report Number: 280-48651-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Seven samples were received on 10/31/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.7ºC.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - SOIL

Samples AOI474NW0102AA (280-48651-1), AOI474SW0102AA (280-48651-2), AOI474WW0102AA (280-48651-3), AOI474EW0102AA (280-48651-4), and AOI474BT0103AA (280-48651-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/12/2013 and analyzed on 11/20/2013.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - WATER

Samples AOI474SW0102AA (280-48651-6) and 103013AE (280-48651-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/05/2013 and analyzed on 11/14/2013.

The Terphenyl-d14 surrogate failed the recovery criteria low for sample AOI474SW0102AA (280-48651-6). Evidence of matrix interferences is not obvious. Because the sample is outside hold time, re-extraction was not performed. The analytes associated to this surrogate have been flagged “Q”.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP) - SOIL

Samples AOI474NW0102AA (280-48651-1), AOI474SW0102AA (280-48651-2), AOI474WW0102AA (280-48651-3), AOI474EW0102AA (280-48651-4), and AOI474BT0103AA (280-48651-5) were analyzed for Total Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/08/2013 and analyzed on 11/08/2013, 11/11/2013 and 11/14/2013.

Zinc was detected in method blank MB 280-199600/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Iron, Zinc, and Antimony failed the recovery criteria low for the matrix spike (MS) and matrix spike duplicate (MSD) of sample AOI474NW0102AA (280-48651-1) in batch 280-201175. Potassium and Aluminum failed the recovery criteria high for the MS, and Aluminum failed the recovery criteria high for the MSD. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Due to insufficient volume of digestate remaining, the matrix spike (MS) sample for 280-batch 201175 was analyzed at a 10x dilution.

The analysis of the ICSA solution, which is used as the interference check standard, shows results for Manganese, Strontium, and Vanadium at a level greater than the LOD for analytical batch 280-200251. We believe that the solution contains trace impurities of these elements and that the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. The associated sample results have been flagged “Q” for these elements.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY (CVAA) - SOIL

Samples AOI474NW0102AA (280-48651-1), AOI474SW0102AA (280-48651-2), AOI474WW0102AA (280-48651-3), AOI474EW0102AA (280-48651-4), and AOI474BT0103AA (280-48651-5) were analyzed for total mercury (CVAA) in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 11/13/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP) - WATER

Samples AOI474SW0102AA (280-48651-6) and 103013AE (280-48651-7) were analyzed for Total Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/07/2013 and analyzed on 11/07/2013, 11/08/2013 and 11/14/2013.

The analysis of the ICSA solution, which is used as the interference check standard, shows results for Chromium, Manganese, and Strontium at a level greater than the LOD for analytical batch 280-199917. We believe that the solution contains trace impurities of these elements and that the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. The associated sample results have been flagged “Q” for these elements.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY (CVAA) - WATER

Samples AOI474SW0102AA (280-48651-6) and 103013AE (280-48651-7) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 11/08/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples AOI474NW0102AA (280-48651-1), AOI474SW0102AA (280-48651-2), AOI474WW0102AA (280-48651-3), AOI474EW0102AA (280-48651-4), and AOI474BT0103AA (280-48651-5) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 11/04/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 192194

Lab Sample ID: IC 280-192194/2 Client Sample ID:

Date Analyzed: 09/19/13 09:25 Lab File ID: Y6548.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Picoline	2.98	Assign Peak	kellisonm	09/19/13 11:41
N-Nitrosomethylethylamine	3.05	Assign Peak	kellisonm	09/19/13 11:41
Methyl methanesulfonate	3.27	Assign Peak	kellisonm	09/19/13 11:41
N-Nitrosodiethylamine	3.57	Assign Peak	kellisonm	09/19/13 11:41
alpha,alpha-Dimethyl phenethylamine	5.26	Baseline	kellisonm	09/19/13 11:41
N-Nitrosodi-n-butylamine	5.72	Baseline	kellisonm	09/19/13 11:41
p-Phenylene diamine	5.78	Baseline	kellisonm	09/19/13 11:41
1-Chloronaphthalene	6.46	Baseline	kellisonm	09/19/13 11:41
N-Nitro-o-toluidine	7.38	Baseline	kellisonm	09/19/13 11:41
Diphenylamine	7.45	Baseline	kellisonm	09/19/13 11:41
Phenacetin	7.70	Baseline	kellisonm	09/19/13 11:41
Diallate Peak 2	7.74	Baseline	kellisonm	09/19/13 11:41
Dimethoate	7.85	Baseline	kellisonm	09/19/13 11:41
4-Aminobiphenyl	7.99	Baseline	kellisonm	09/19/13 11:41
Disulfoton	8.12	Baseline	kellisonm	09/19/13 11:41
Methyl parathion	8.45	Baseline	kellisonm	09/19/13 11:41
Ethyl Parathion	8.80	Baseline	kellisonm	09/19/13 11:41
4-Nitroquinoline-1-oxide	8.93	Baseline	kellisonm	09/19/13 11:41
Methapyrilene	8.93	Baseline	kellisonm	09/19/13 11:41
Isodrin	9.21	Baseline	kellisonm	09/19/13 11:41
Aramite Peak 1	9.77	Baseline	kellisonm	09/19/13 11:41
Aramite Peak 2	9.88	Baseline	kellisonm	09/19/13 11:41
p-Dimethylamino azobenzene	10.08	Baseline	kellisonm	09/19/13 11:41
Ethyl 4,4'-Dichlorobenzilate	10.12	Baseline	kellisonm	09/19/13 11:41
3,3'-Dimethylbenzidine	10.68	Baseline	kellisonm	09/19/13 11:41
2-Acetylaminofluorene	11.19	Baseline	kellisonm	09/19/13 11:41
4,4'-Methylene bis(2-chloroaniline)	11.83	Baseline	kellisonm	09/19/13 11:41
7,12-Dimethylbenz(a)anthracene	14.79	Baseline	kellisonm	09/19/13 11:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 192194

Lab Sample ID: IC 280-192194/2 Client Sample ID:

Date Analyzed: 09/19/13 09:25 Lab File ID: Y6548.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Methylcholanthrene	16.95	Baseline	kellisonm	09/19/13 11:41

Lab Sample ID: IC 280-192194/3 Client Sample ID:

Date Analyzed: 09/19/13 09:53 Lab File ID: Y6549.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.26	Baseline	kellisonm	09/19/13 11:43

Lab Sample ID: IC 280-192194/4 Client Sample ID:

Date Analyzed: 09/19/13 10:19 Lab File ID: Y6550.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.26	Baseline	kellisonm	09/19/13 11:45

Lab Sample ID: IC 280-192194/5 Client Sample ID:

Date Analyzed: 09/19/13 10:45 Lab File ID: Y6551.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.26	Baseline	kellisonm	09/19/13 11:45
Phenacetin	7.69	Assign Peak	kellisonm	09/19/13 14:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 192194

Lab Sample ID: IC 280-192194/6 Client Sample ID:

Date Analyzed: 09/19/13 11:11 Lab File ID: Y6552.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.26	Baseline	kellisonm	09/19/13 13:29

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 192224

Lab Sample ID: IC 280-192224/10 Client Sample ID:

Date Analyzed: 09/18/13 18:09 Lab File ID: Y6529.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzaldehyde	4.06	Assign Peak	kellisonm	09/19/13 10:29

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 194745

Lab Sample ID: IC 280-194745/2 Client Sample ID:

Date Analyzed: 10/07/13 12:06 Lab File ID: Y6817.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.77	Split Peak	hoffmanm	10/08/13 08:06
Indeno[1,2,3-cd]pyrene	19.26	Shouldering	hoffmanm	10/08/13 08:06

Lab Sample ID: IC 280-194745/3 Client Sample ID:

Date Analyzed: 10/07/13 12:33 Lab File ID: Y6818.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.76	Split Peak	hoffmanm	10/08/13 08:10

Lab Sample ID: IC 280-194745/4 Client Sample ID:

Date Analyzed: 10/07/13 13:00 Lab File ID: Y6819.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.76	Split Peak	hoffmanm	10/08/13 08:11
Indeno[1,2,3-cd]pyrene	19.25	Shouldering	hoffmanm	10/08/13 08:11

Lab Sample ID: IC 280-194745/8 Client Sample ID:

Date Analyzed: 10/07/13 14:50 Lab File ID: Y6823.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.12	Unspecified	hoffmanm	10/08/13 08:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 194745

Lab Sample ID: IC 280-194745/9 Client Sample ID:

Date Analyzed: 10/07/13 15:17 Lab File ID: Y6824.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.11	Unspecified	hoffmanm	10/08/13 08:18
Indeno[1,2,3-cd]pyrene	19.22	Shouldering	hoffmanm	10/08/13 08:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 201071

Lab Sample ID: LCS 280-199334/2-A Client Sample ID:

Date Analyzed: 11/14/13 15:02 Lab File ID: Y7493.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	19.09	Split Peak	williamst	11/17/13 12:19

Lab Sample ID: LCSD 280-199334/3-A Client Sample ID:

Date Analyzed: 11/14/13 15:29 Lab File ID: Y7494.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	19.08	Split Peak	williamst	11/17/13 12:20

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Analysis Batch Number: 201912

Lab Sample ID: CCV 280-201912/2 Client Sample ID:

Date Analyzed: 11/20/13 11:52 Lab File ID: Y7636.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	19.02	Split Peak	hoffmanm	11/20/13 12:16

Lab Sample ID: LCS 280-200642/2-A Client Sample ID:

Date Analyzed: 11/20/13 13:42 Lab File ID: Y7640.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzidine	9.39	Unspecified	hoffmanm	11/21/13 08:12
Indeno[1,2,3-cd]pyrene	19.01	Shouldering	hoffmanm	11/21/13 08:12

Lab Sample ID: 280-48651-1 MS Client Sample ID: AOI474NW0102AA MS

Date Analyzed: 11/20/13 14:37 Lab File ID: Y7642.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.69	Split Peak	hoffmanm	11/21/13 08:13

Lab Sample ID: 280-48651-1 MSD Client Sample ID: AOI474NW0102AA MSD

Date Analyzed: 11/20/13 15:04 Lab File ID: Y7643.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.69	Split Peak	hoffmanm	11/21/13 08:14

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-48651-1	AOI474NW0102AA	Solid	10/30/2013 1100	10/31/2013 0900
280-48651-2	AOI474SW0102AA	Solid	10/30/2013 1105	10/31/2013 0900
280-48651-3	AOI474WW0102AA	Solid	10/30/2013 1125	10/31/2013 0900
280-48651-4	AOI474EW0102AA	Solid	10/30/2013 1135	10/31/2013 0900
280-48651-5	AOI474BT0103AA	Solid	10/30/2013 1145	10/31/2013 0900
280-48651-6	AOI474SW0102AA	Water	10/30/2013 1155	10/31/2013 0900
280-48651-7	103013AE	Water	10/30/2013 1415	10/31/2013 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48651-1	**AOI474NW0102AA**					
Dimethyl phthalate		190	J	380	ug/Kg	8270D/DoD
Aluminum		7800	J	60	mg/Kg	6010C
Barium		20		2.4	mg/Kg	6010C
Beryllium		0.25	J	0.60	mg/Kg	6010C
Boron		2.2	J	12	mg/Kg	6010C
Cadmium		0.25	J	0.60	mg/Kg	6010C
Calcium		560		120	mg/Kg	6010C
Chromium		7.3		4.2	mg/Kg	6010C
Cobalt		3.0		1.2	mg/Kg	6010C
Copper		5.3	J	6.0	mg/Kg	6010C
Iron		8400	J	95	mg/Kg	6010C
Lead		6.8		1.1	mg/Kg	6010C
Magnesium		2400		36	mg/Kg	6010C
Manganese		68	Q	5.4	mg/Kg	6010C
Nickel		9.8		4.8	mg/Kg	6010C
Potassium		900	J	360	mg/Kg	6010C
Strontium		2.7	Q	1.8	mg/Kg	6010C
Vanadium		9.5	Q	2.4	mg/Kg	6010C
Zinc		110	J	9.5	mg/Kg	6010C
Mercury		23		21	ug/Kg	7471B
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48651-2	**AOI474SW0102AA**					
Dimethyl phthalate		230	J	370	ug/Kg	8270D/DoD
Aluminum		7500		53	mg/Kg	6010C
Arsenic		1.1	J	2.7	mg/Kg	6010C
Barium		16		2.1	mg/Kg	6010C
Beryllium		0.27	J	0.53	mg/Kg	6010C
Boron		1.8	J	11	mg/Kg	6010C
Cadmium		0.079	J	0.53	mg/Kg	6010C
Calcium		480		110	mg/Kg	6010C
Chromium		7.0		3.7	mg/Kg	6010C
Cobalt		3.0		1.1	mg/Kg	6010C
Copper		5.2	J	5.3	mg/Kg	6010C
Iron		8700		85	mg/Kg	6010C
Lead		2.6		0.96	mg/Kg	6010C
Magnesium		2400		32	mg/Kg	6010C
Manganese		65	Q	4.8	mg/Kg	6010C
Nickel		9.9		4.3	mg/Kg	6010C
Potassium		820		320	mg/Kg	6010C
Strontium		2.0	Q	1.6	mg/Kg	6010C
Vanadium		10	Q	2.1	mg/Kg	6010C
Zinc		32		8.5	mg/Kg	6010C
Mercury		7.6	J	21	ug/Kg	7471B
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48651-3	**AOI474WW0102AA**					
Dimethyl phthalate		180	J	370	ug/Kg	8270D/DoD
Aluminum		5500		59	mg/Kg	6010C
Arsenic		0.84	J	2.9	mg/Kg	6010C
Barium		11		2.4	mg/Kg	6010C
Beryllium		0.20	J	0.59	mg/Kg	6010C
Boron		1.6	J	12	mg/Kg	6010C
Cadmium		0.12	J	0.59	mg/Kg	6010C
Calcium		300		120	mg/Kg	6010C
Chromium		5.0		4.1	mg/Kg	6010C
Cobalt		1.9		1.2	mg/Kg	6010C
Copper		4.2	J	5.9	mg/Kg	6010C
Iron		6000		94	mg/Kg	6010C
Lead		2.6		1.1	mg/Kg	6010C
Magnesium		1600		35	mg/Kg	6010C
Manganese		43	Q	5.3	mg/Kg	6010C
Nickel		6.4		4.7	mg/Kg	6010C
Potassium		700		350	mg/Kg	6010C
Strontium		1.5	J Q	1.8	mg/Kg	6010C
Vanadium		6.9	Q	2.4	mg/Kg	6010C
Zinc		29		9.4	mg/Kg	6010C
Mercury		26		22	ug/Kg	7471B
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48651-4	**AOI474EW0102AA**					
Dimethyl phthalate		100	J	380	ug/Kg	8270D/DoD
Aluminum		5100		52	mg/Kg	6010C
Barium		13		2.1	mg/Kg	6010C
Beryllium		0.18	J	0.52	mg/Kg	6010C
Boron		1.4	J	10	mg/Kg	6010C
Cadmium		0.17	J	0.52	mg/Kg	6010C
Calcium		410		100	mg/Kg	6010C
Chromium		4.4		3.7	mg/Kg	6010C
Cobalt		1.8		1.0	mg/Kg	6010C
Copper		2.4	J	5.2	mg/Kg	6010C
Iron		5200		84	mg/Kg	6010C
Lead		3.4		0.94	mg/Kg	6010C
Magnesium		1400		31	mg/Kg	6010C
Manganese		39	Q	4.7	mg/Kg	6010C
Nickel		5.6		4.2	mg/Kg	6010C
Potassium		580		310	mg/Kg	6010C
Strontium		1.9	Q	1.6	mg/Kg	6010C
Vanadium		6.0	Q	2.1	mg/Kg	6010C
Zinc		30		8.4	mg/Kg	6010C
Mercury		23		22	ug/Kg	7471B
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48651-5	**AOI474BT0103AA**					
Dimethyl phthalate		250	J	430	ug/Kg	8270D/DoD
Aluminum		5800		62	mg/Kg	6010C
Arsenic		1.5	J	3.1	mg/Kg	6010C
Barium		22		2.5	mg/Kg	6010C
Beryllium		0.21	J	0.62	mg/Kg	6010C
Boron		2.1	J	12	mg/Kg	6010C
Cadmium		0.47	J	0.62	mg/Kg	6010C
Calcium		1800		120	mg/Kg	6010C
Chromium		6.2		4.3	mg/Kg	6010C
Cobalt		2.3		1.2	mg/Kg	6010C
Copper		15		6.2	mg/Kg	6010C
Iron		9000		99	mg/Kg	6010C
Lead		28		1.1	mg/Kg	6010C
Magnesium		1800		37	mg/Kg	6010C
Manganese		66	Q	5.6	mg/Kg	6010C
Nickel		8.2		5.0	mg/Kg	6010C
Potassium		800		370	mg/Kg	6010C
Strontium		10	Q	1.9	mg/Kg	6010C
Vanadium		9.8	Q	2.5	mg/Kg	6010C
Zinc		130		9.9	mg/Kg	6010C
Mercury		9.3	J	23	ug/Kg	7471B
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48651-6	**AOI474SW0102AA**					
Benzyl alcohol		0.93	J	25	ug/L	8270D/DoD
N-Nitrosodi-n-propylamine		1.3	J	20	ug/L	8270D/DoD
Aluminum		7100		300	ug/L	6010C
Arsenic		5.3	J	25	ug/L	6010C
Barium		160		10	ug/L	6010C
Beryllium		0.59	J	1.5	ug/L	6010C
Boron		37	J	100	ug/L	6010C
Cadmium		7.8		5.0	ug/L	6010C
Calcium		39000		1000	ug/L	6010C
Chromium		6.4	J Q	15	ug/L	6010C
Cobalt		14	J	15	ug/L	6010C
Copper		39		15	ug/L	6010C
Iron		3700		100	ug/L	6010C
Lead		18		15	ug/L	6010C
Magnesium		6000		500	ug/L	6010C
Manganese		380	Q	10	ug/L	6010C
Nickel		37	J	40	ug/L	6010C
Potassium		6100		3000	ug/L	6010C
Sodium		5200		5000	ug/L	6010C
Vanadium		11	J	15	ug/L	6010C
Zinc		4800		150	ug/L	6010C
Strontium		160	Q	10	ug/L	6010C
Mercury		0.10	J	0.20	ug/L	7470A
280-48651-7	**103013AE**					
Boron		6.0	J	100	ug/L	6010C
Manganese		0.34	J Q	10	ug/L	6010C

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48651-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270D/DoD	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Metals	TAL DEN		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL DEN	SW846 7471B	
Preparation, Mercury	TAL DEN		SW846 7471B
Percent Moisture	TAL DEN	EPA Moisture	
Matrix: Water			
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270D/DoD	
Liquid-Liquid Extraction (Continuous)	TAL DEN		SW846 3520C
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Total Metals	TAL DEN		SW846 3010A
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48651-1

Method	Analyst	Analyst ID
SW846 8270D/DoD	Hoffman, Michael G	MGH
SW846 8270D/DoD	Williams, Teresa L	TLW
SW846 6010C	Harre, John K	JKH
SW846 7470A	Mooney, Joseph C	JM
SW846 7471B	Mooney, Joseph C	JM
EPA Moisture	Neeley, Beth A	BAN

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474NW0102AA**

Lab Sample ID: 280-48651-1
Client Matrix: Solid
% Moisture: 17.7
Date Sampled: 10/30/2013 1100
Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7641.D
Dilution:	1.0			Initial Weight/Volume:	31.4 g
Analysis Date:	11/20/2013 1409			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		190	U	58	380
1,2,4,5-Tetrachlorobenzene		78	U	57	380
1,2,4-Trichlorobenzene		38	U	33	380
1,2-Dichlorobenzene		38	U	26	380
1,2-Diphenylhydrazine		38	U	26	380
1,3-Dichlorobenzene		38	U	14	380
1,4-Dichlorobenzene		38	U	16	380
2,2'-oxybis[1-chloropropane]		38	U	27	380
2,3,4,6-Tetrachlorophenol		190	U	160	1900
2,4,5-Trichlorophenol		150	U	12	380
2,4,6-Trichlorophenol		77	U	12	380
2,4-Dichlorophenol		77	U	12	380
2,4-Dimethylphenol		150	U	77	380
2,4-Dinitrophenol		780	U	390	1900
2,4-Dinitrotoluene		150	U	77	380
2,6-Dichlorophenol		150	U	80	380
2,6-Dinitrotoluene		77	U	33	380
2-Chloronaphthalene		38	U	12	380
2-Chlorophenol		38	U	24	380
2-Methylnaphthalene		38	U	22	380
2-Methylphenol		38	U	15	380
2-Nitroaniline		77	U	58	1900
2-Nitrophenol		77	U	12	380
3 & 4 Methylphenol		77	U	38	380
3,3'-Dichlorobenzidine		380	U	100	1900
3-Nitroaniline		150	U	85	1900
4,6-Dinitro-2-methylphenol		770	U	380	1900
4-Bromophenyl phenyl ether		38	U	22	380
4-Chloro-3-methylphenol		150	U	77	380
4-Chloroaniline		150	U	95	380
4-Chlorophenyl phenyl ether		77	U	24	380
4-Nitroaniline		150	U	84	1900
4-Nitrophenol		380	U	110	1900
Acenaphthene		20	U	12	380
Acenaphthylene		38	U	20	380
Acetophenone		38	U	23	380
Anthracene		38	U	20	380
Atrazine		150	U	43	380
Benzaldehyde		78	U	45	380
Benzidine		4600	U	1100	4600
Benzo[a]anthracene		38	U	23	380
Benzo[a]pyrene		38	U	23	380
Benzo[b]fluoranthene		38	U	30	380
Benzo[g,h,i]perylene		38	U	19	380
Benzo[k]fluoranthene		77	U	46	380
Benzoic acid		770	U	380	1900

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474NW0102AA**

Lab Sample ID: 280-48651-1 | Date Sampled: 10/30/2013 1100
Client Matrix: Solid | % Moisture: 17.7 | Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7641.D
Dilution:	1.0			Initial Weight/Volume:	31.4 g
Analysis Date:	11/20/2013 1409			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		38	U	12	380
Bis(2-chloroethoxy)methane		77	U	27	380
Bis(2-chloroethyl)ether		38	U	19	380
Bis(2-ethylhexyl) phthalate		77	U	53	380
Butyl benzyl phthalate		77	U	50	380
Caprolactam		380	U	120	1900
Carbazole		78	U	42	380
Chrysene		38	U	31	380
Dibenz(a,h)anthracene		38	U	22	380
Dibenzofuran		38	U	23	380
Diethyl phthalate		38	U	30	770
Dimethyl phthalate		190	J	27	380
Di-n-butyl phthalate		38	U	34	380
Di-n-octyl phthalate		77	U	17	380
Fluoranthene		77	U	42	380
Fluorene		38	U	21	380
Hexachlorobenzene		77	U	34	380
Hexachlorobutadiene		77	U	12	380
Hexachlorocyclopentadiene		77	U	58	2000
Hexachloroethane		38	U	25	380
Indeno[1,2,3-cd]pyrene		38	U	26	380
Isophorone		38	U	20	380
Naphthalene		77	U	36	380
Nitrobenzene		38	U	26	380
N-Nitrosodimethylamine		77	U	43	600
N-Nitrosodi-n-propylamine		77	U	36	380
N-Nitrosodiphenylamine		38	U	24	380
N-Nitrosopyrrolidine		150	U	74	380
Pentachlorophenol		780	U	380	1900
Phenanthrene		38	U	20	380
Phenol		38	U	21	380
Pyrene		38	U	14	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	83		35 - 125
2-Fluorobiphenyl	82		45 - 105
2-Fluorophenol (Surr)	79		35 - 105
Nitrobenzene-d5 (Surr)	79		35 - 100
Phenol-d5 (Surr)	81		40 - 100
Terphenyl-d14 (Surr)	88		30 - 125

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-2
Client Matrix: Solid
% Moisture: 15.5
Date Sampled: 10/30/2013 1105
Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7652.D
Dilution:	1.0			Initial Weight/Volume:	32.1 g
Analysis Date:	11/20/2013 1911			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		180	U	55	370
1,2,4,5-Tetrachlorobenzene		74	U	54	370
1,2,4-Trichlorobenzene		37	U	31	370
1,2-Dichlorobenzene		37	U	24	370
1,2-Diphenylhydrazine		37	U	24	370
1,3-Dichlorobenzene		37	U	13	370
1,4-Dichlorobenzene		37	U	15	370
2,2'-oxybis[1-chloropropane]		37	U	25	370
2,3,4,6-Tetrachlorophenol		180	U	150	1800
2,4,5-Trichlorophenol		140	U	11	370
2,4,6-Trichlorophenol		73	U	11	370
2,4-Dichlorophenol		73	U	11	370
2,4-Dimethylphenol		140	U	73	370
2,4-Dinitrophenol		740	U	370	1800
2,4-Dinitrotoluene		140	U	73	370
2,6-Dichlorophenol		140	U	76	370
2,6-Dinitrotoluene		73	U	31	370
2-Chloronaphthalene		37	U	11	370
2-Chlorophenol		37	U	23	370
2-Methylnaphthalene		37	U	21	370
2-Methylphenol		37	U	14	370
2-Nitroaniline		73	U	55	1800
2-Nitrophenol		73	U	11	370
3 & 4 Methylphenol		73	U	37	370
3,3'-Dichlorobenzidine		370	U	100	1800
3-Nitroaniline		150	U	81	1800
4,6-Dinitro-2-methylphenol		730	U	370	1800
4-Bromophenyl phenyl ether		37	U	21	370
4-Chloro-3-methylphenol		140	U	73	370
4-Chloroaniline		140	U	91	370
4-Chlorophenyl phenyl ether		73	U	23	370
4-Nitroaniline		140	U	80	1800
4-Nitrophenol		370	U	110	1800
Acenaphthene		19	U	11	370
Acenaphthylene		37	U	19	370
Acetophenone		37	U	22	370
Anthracene		37	U	19	370
Atrazine		140	U	41	370
Benzaldehyde		74	U	43	370
Benzidine		4400	U	1100	4400
Benzo[a]anthracene		37	U	22	370
Benzo[a]pyrene		37	U	22	370
Benzo[b]fluoranthene		37	U	29	370
Benzo[g,h,i]perylene		37	U	18	370
Benzo[k]fluoranthene		73	U	44	370
Benzoic acid		730	U	370	1800

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-2 | Date Sampled: 10/30/2013 1105
Client Matrix: Solid | % Moisture: 15.5 | Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7652.D
Dilution:	1.0			Initial Weight/Volume:	32.1 g
Analysis Date:	11/20/2013 1911			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		37	U	11	370
Bis(2-chloroethoxy)methane		73	U	25	370
Bis(2-chloroethyl)ether		37	U	18	370
Bis(2-ethylhexyl) phthalate		73	U	51	370
Butyl benzyl phthalate		73	U	48	370
Caprolactam		370	U	120	1800
Carbazole		74	U	40	370
Chrysene		37	U	30	370
Dibenz(a,h)anthracene		37	U	21	370
Dibenzofuran		37	U	22	370
Diethyl phthalate		37	U	29	730
Dimethyl phthalate		230	J	25	370
Di-n-butyl phthalate		37	U	32	370
Di-n-octyl phthalate		73	U	16	370
Fluoranthene		73	U	40	370
Fluorene		37	U	20	370
Hexachlorobenzene		73	U	32	370
Hexachlorobutadiene		73	U	11	370
Hexachlorocyclopentadiene		73	U	55	1900
Hexachloroethane		37	U	24	370
Indeno[1,2,3-cd]pyrene		37	U	24	370
Isophorone		37	U	19	370
Naphthalene		73	U	34	370
Nitrobenzene		37	U	24	370
N-Nitrosodimethylamine		73	U	41	580
N-Nitrosodi-n-propylamine		73	U	34	370
N-Nitrosodiphenylamine		37	U	23	370
N-Nitrosopyrrolidine		140	U	71	370
Pentachlorophenol		740	U	370	1800
Phenanthrene		37	U	19	370
Phenol		37	U	20	370
Pyrene		37	U	13	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	77		35 - 125
2-Fluorobiphenyl	81		45 - 105
2-Fluorophenol (Surr)	76		35 - 105
Nitrobenzene-d5 (Surr)	79		35 - 100
Phenol-d5 (Surr)	79		40 - 100
Terphenyl-d14 (Surr)	87		30 - 125

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474WW0102AA**

Lab Sample ID: 280-48651-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 10/30/2013 1125
Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7653.D
Dilution:	1.0			Initial Weight/Volume:	31.4 g
Analysis Date:	11/20/2013 1938			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		190	U	57	370
1,2,4,5-Tetrachlorobenzene		76	U	56	370
1,2,4-Trichlorobenzene		37	U	32	370
1,2-Dichlorobenzene		37	U	25	370
1,2-Diphenylhydrazine		37	U	25	370
1,3-Dichlorobenzene		37	U	14	370
1,4-Dichlorobenzene		37	U	15	370
2,2'-oxybis[1-chloropropane]		37	U	26	370
2,3,4,6-Tetrachlorophenol		190	U	160	1800
2,4,5-Trichlorophenol		150	U	11	370
2,4,6-Trichlorophenol		75	U	11	370
2,4-Dichlorophenol		75	U	11	370
2,4-Dimethylphenol		150	U	75	370
2,4-Dinitrophenol		760	U	380	1800
2,4-Dinitrotoluene		150	U	75	370
2,6-Dichlorophenol		150	U	78	370
2,6-Dinitrotoluene		75	U	32	370
2-Chloronaphthalene		37	U	11	370
2-Chlorophenol		37	U	24	370
2-Methylnaphthalene		37	U	22	370
2-Methylphenol		37	U	15	370
2-Nitroaniline		75	U	57	1800
2-Nitrophenol		75	U	11	370
3 & 4 Methylphenol		75	U	37	370
3,3'-Dichlorobenzidine		370	U	100	1800
3-Nitroaniline		150	U	83	1800
4,6-Dinitro-2-methylphenol		750	U	370	1800
4-Bromophenyl phenyl ether		37	U	22	370
4-Chloro-3-methylphenol		150	U	75	370
4-Chloroaniline		150	U	93	370
4-Chlorophenyl phenyl ether		75	U	24	370
4-Nitroaniline		150	U	82	1800
4-Nitrophenol		370	U	110	1800
Acenaphthene		19	U	12	370
Acenaphthylene		37	U	19	370
Acetophenone		37	U	23	370
Anthracene		37	U	19	370
Atrazine		150	U	42	370
Benzaldehyde		76	U	44	370
Benzidine		4500	U	1100	4500
Benzo[a]anthracene		37	U	23	370
Benzo[a]pyrene		37	U	23	370
Benzo[b]fluoranthene		37	U	30	370
Benzo[g,h,i]perylene		37	U	18	370
Benzo[k]fluoranthene		75	U	45	370
Benzoic acid		750	U	370	1800

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474WW0102AA**

Lab Sample ID: 280-48651-3 | Date Sampled: 10/30/2013 1125
Client Matrix: Solid | % Moisture: 15.9 | Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7653.D
Dilution:	1.0			Initial Weight/Volume:	31.4 g
Analysis Date:	11/20/2013 1938			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		37	U	11	370
Bis(2-chloroethoxy)methane		75	U	26	370
Bis(2-chloroethyl)ether		37	U	19	370
Bis(2-ethylhexyl) phthalate		75	U	52	370
Butyl benzyl phthalate		75	U	49	370
Caprolactam		370	U	120	1800
Carbazole		76	U	41	370
Chrysene		37	U	31	370
Dibenz(a,h)anthracene		37	U	22	370
Dibenzofuran		37	U	23	370
Diethyl phthalate		37	U	30	750
Dimethyl phthalate		180	J	26	370
Di-n-butyl phthalate		37	U	33	370
Di-n-octyl phthalate		75	U	16	370
Fluoranthene		75	U	41	370
Fluorene		37	U	20	370
Hexachlorobenzene		75	U	33	370
Hexachlorobutadiene		75	U	11	370
Hexachlorocyclopentadiene		75	U	57	1900
Hexachloroethane		37	U	24	370
Indeno[1,2,3-cd]pyrene		37	U	25	370
Isophorone		37	U	19	370
Naphthalene		75	U	35	370
Nitrobenzene		37	U	25	370
N-Nitrosodimethylamine		75	U	42	590
N-Nitrosodi-n-propylamine		75	U	35	370
N-Nitrosodiphenylamine		37	U	24	370
N-Nitrosopyrrolidine		150	U	73	370
Pentachlorophenol		760	U	370	1800
Phenanthrene		37	U	19	370
Phenol		37	U	20	370
Pyrene		37	U	14	450

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	84		35 - 125
2-Fluorobiphenyl	81		45 - 105
2-Fluorophenol (Surr)	79		35 - 105
Nitrobenzene-d5 (Surr)	80		35 - 100
Phenol-d5 (Surr)	82		40 - 100
Terphenyl-d14 (Surr)	90		30 - 125

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474EW0102AA**

Lab Sample ID: 280-48651-4 | Date Sampled: 10/30/2013 1135
Client Matrix: Solid | % Moisture: 14.8 | Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7654.D
Dilution:	1.0			Initial Weight/Volume:	30.3 g
Analysis Date:	11/20/2013 2005			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		190	U	58	380
1,2,4,5-Tetrachlorobenzene		78	U	57	380
1,2,4-Trichlorobenzene		38	U	33	380
1,2-Dichlorobenzene		38	U	26	380
1,2-Diphenylhydrazine		38	U	26	380
1,3-Dichlorobenzene		38	U	14	380
1,4-Dichlorobenzene		38	U	16	380
2,2'-oxybis[1-chloropropane]		38	U	27	380
2,3,4,6-Tetrachlorophenol		190	U	160	1900
2,4,5-Trichlorophenol		150	U	12	380
2,4,6-Trichlorophenol		77	U	12	380
2,4-Dichlorophenol		77	U	12	380
2,4-Dimethylphenol		150	U	77	380
2,4-Dinitrophenol		780	U	390	1900
2,4-Dinitrotoluene		150	U	77	380
2,6-Dichlorophenol		150	U	80	380
2,6-Dinitrotoluene		77	U	33	380
2-Chloronaphthalene		38	U	12	380
2-Chlorophenol		38	U	24	380
2-Methylnaphthalene		38	U	22	380
2-Methylphenol		38	U	15	380
2-Nitroaniline		77	U	58	1900
2-Nitrophenol		77	U	12	380
3 & 4 Methylphenol		77	U	38	380
3,3'-Dichlorobenzidine		380	U	100	1900
3-Nitroaniline		150	U	85	1900
4,6-Dinitro-2-methylphenol		770	U	380	1900
4-Bromophenyl phenyl ether		38	U	22	380
4-Chloro-3-methylphenol		150	U	77	380
4-Chloroaniline		150	U	95	380
4-Chlorophenyl phenyl ether		77	U	24	380
4-Nitroaniline		150	U	84	1900
4-Nitrophenol		380	U	110	1900
Acenaphthene		20	U	12	380
Acenaphthylene		38	U	20	380
Acetophenone		38	U	23	380
Anthracene		38	U	20	380
Atrazine		150	U	43	380
Benzaldehyde		78	U	45	380
Benzidine		4600	U	1100	4600
Benzo[a]anthracene		38	U	23	380
Benzo[a]pyrene		38	U	23	380
Benzo[b]fluoranthene		38	U	30	380
Benzo[g,h,i]perylene		38	U	19	380
Benzo[k]fluoranthene		77	U	46	380
Benzoic acid		770	U	380	1900

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474EW0102AA**

Lab Sample ID: 280-48651-4 | Date Sampled: 10/30/2013 1135
Client Matrix: Solid | % Moisture: 14.8 | Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7654.D
Dilution:	1.0			Initial Weight/Volume:	30.3 g
Analysis Date:	11/20/2013 2005			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		38	U	12	380
Bis(2-chloroethoxy)methane		77	U	27	380
Bis(2-chloroethyl)ether		38	U	19	380
Bis(2-ethylhexyl) phthalate		77	U	53	380
Butyl benzyl phthalate		77	U	50	380
Caprolactam		380	U	120	1900
Carbazole		78	U	42	380
Chrysene		38	U	31	380
Dibenz(a,h)anthracene		38	U	22	380
Dibenzofuran		38	U	23	380
Diethyl phthalate		38	U	30	770
Dimethyl phthalate		100	J	27	380
Di-n-butyl phthalate		38	U	34	380
Di-n-octyl phthalate		77	U	17	380
Fluoranthene		77	U	42	380
Fluorene		38	U	21	380
Hexachlorobenzene		77	U	34	380
Hexachlorobutadiene		77	U	12	380
Hexachlorocyclopentadiene		77	U	58	2000
Hexachloroethane		38	U	25	380
Indeno[1,2,3-cd]pyrene		38	U	26	380
Isophorone		38	U	20	380
Naphthalene		77	U	36	380
Nitrobenzene		38	U	26	380
N-Nitrosodimethylamine		77	U	43	600
N-Nitrosodi-n-propylamine		77	U	36	380
N-Nitrosodiphenylamine		38	U	24	380
N-Nitrosopyrrolidine		150	U	74	380
Pentachlorophenol		780	U	380	1900
Phenanthrene		38	U	20	380
Phenol		38	U	21	380
Pyrene		38	U	14	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	82		35 - 125
2-Fluorobiphenyl	80		45 - 105
2-Fluorophenol (Surr)	77		35 - 105
Nitrobenzene-d5 (Surr)	78		35 - 100
Phenol-d5 (Surr)	81		40 - 100
Terphenyl-d14 (Surr)	88		30 - 125

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474BT0103AA**

Lab Sample ID: 280-48651-5 | Date Sampled: 10/30/2013 1145
Client Matrix: Solid | % Moisture: 23.0 | Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7655.D
Dilution:	1.0			Initial Weight/Volume:	30.1 g
Analysis Date:	11/20/2013 2033			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		220	U	65	430
1,2,4,5-Tetrachlorobenzene		87	U	63	430
1,2,4-Trichlorobenzene		43	U	36	430
1,2-Dichlorobenzene		43	U	28	430
1,2-Diphenylhydrazine		43	U	28	430
1,3-Dichlorobenzene		43	U	16	430
1,4-Dichlorobenzene		43	U	18	430
2,2'-oxybis[1-chloropropane]		43	U	30	430
2,3,4,6-Tetrachlorophenol		220	U	180	2100
2,4,5-Trichlorophenol		170	U	13	430
2,4,6-Trichlorophenol		85	U	13	430
2,4-Dichlorophenol		85	U	13	430
2,4-Dimethylphenol		170	U	85	430
2,4-Dinitrophenol		870	U	430	2100
2,4-Dinitrotoluene		170	U	85	430
2,6-Dichlorophenol		170	U	89	430
2,6-Dinitrotoluene		85	U	36	430
2-Chloronaphthalene		43	U	13	430
2-Chlorophenol		43	U	27	430
2-Methylnaphthalene		43	U	25	430
2-Methylphenol		43	U	17	430
2-Nitroaniline		85	U	65	2100
2-Nitrophenol		85	U	13	430
3 & 4 Methylphenol		85	U	43	430
3,3'-Dichlorobenzidine		430	U	120	2100
3-Nitroaniline		170	U	95	2100
4,6-Dinitro-2-methylphenol		850	U	430	2100
4-Bromophenyl phenyl ether		43	U	25	430
4-Chloro-3-methylphenol		170	U	85	430
4-Chloroaniline		170	U	110	430
4-Chlorophenyl phenyl ether		85	U	27	430
4-Nitroaniline		170	U	94	2100
4-Nitrophenol		430	U	130	2100
Acenaphthene		22	U	13	430
Acenaphthylene		43	U	22	430
Acetophenone		43	U	26	430
Anthracene		43	U	22	430
Atrazine		170	U	48	430
Benzaldehyde		87	U	51	430
Benzidine		5100	U	1300	5200
Benzo[a]anthracene		43	U	26	430
Benzo[a]pyrene		43	U	26	430
Benzo[b]fluoranthene		43	U	34	430
Benzo[g,h,i]perylene		43	U	21	430
Benzo[k]fluoranthene		85	U	52	430
Benzoic acid		850	U	430	2100

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474BT0103AA**

Lab Sample ID: 280-48651-5 | Date Sampled: 10/30/2013 1145
Client Matrix: Solid | % Moisture: 23.0 | Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Prep Method:	3550C	Prep Batch:	280-200642	Lab File ID:	Y7655.D
Dilution:	1.0			Initial Weight/Volume:	30.1 g
Analysis Date:	11/20/2013 2033			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		43	U	13	430
Bis(2-chloroethoxy)methane		85	U	30	430
Bis(2-chloroethyl)ether		43	U	22	430
Bis(2-ethylhexyl) phthalate		85	U	60	430
Butyl benzyl phthalate		85	U	56	430
Caprolactam		430	U	140	2100
Carbazole		87	U	47	430
Chrysene		43	U	35	430
Dibenz(a,h)anthracene		43	U	25	430
Dibenzofuran		43	U	26	430
Diethyl phthalate		43	U	34	850
Dimethyl phthalate		250	J	30	430
Di-n-butyl phthalate		43	U	38	430
Di-n-octyl phthalate		85	U	19	430
Fluoranthene		85	U	47	430
Fluorene		43	U	23	430
Hexachlorobenzene		85	U	38	430
Hexachlorobutadiene		85	U	13	430
Hexachlorocyclopentadiene		85	U	65	2200
Hexachloroethane		43	U	28	430
Indeno[1,2,3-cd]pyrene		43	U	28	430
Isophorone		43	U	22	430
Naphthalene		85	U	40	430
Nitrobenzene		43	U	28	430
N-Nitrosodimethylamine		85	U	48	670
N-Nitrosodi-n-propylamine		85	U	40	430
N-Nitrosodiphenylamine		43	U	27	430
N-Nitrosopyrrolidine		170	U	83	430
Pentachlorophenol		870	U	430	2100
Phenanthrene		43	U	22	430
Phenol		43	U	23	430
Pyrene		43	U	16	520

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85		35 - 125
2-Fluorobiphenyl	80		45 - 105
2-Fluorophenol (Surr)	76		35 - 105
Nitrobenzene-d5 (Surr)	78		35 - 100
Phenol-d5 (Surr)	78		40 - 100
Terphenyl-d14 (Surr)	87		30 - 125

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-6
Client Matrix: Water

Date Sampled: 10/30/2013 1155
Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Prep Method:	3520C	Prep Batch:	280-199334	Lab File ID:	Y7496.D
Dilution:	1.0			Initial Weight/Volume:	995.4 mL
Analysis Date:	11/14/2013 1624			Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1'-Biphenyl	2.0	U	1.8	10
1,2,4,5-Tetrachlorobenzene	2.0	U	1.7	10
1,2,4-Trichlorobenzene	1.0	U	0.28	10
1,2-Dichlorobenzene	1.0	U	0.23	10
1,2-Diphenylhydrazine	1.0	U	0.23	10
1,3-Dichlorobenzene	1.0	U	0.30	10
1,4-Dichlorobenzene	1.0	U	0.32	10
2,2'-oxybis[1-chloropropane]	1.0	U	0.28	10
2,3,4,6-Tetrachlorophenol	2.0	U	2.0	50
2,4,5-Trichlorophenol	1.0	U	0.45	20
2,4,6-Trichlorophenol	1.0	U	0.29	20
2,4-Dichlorophenol	2.0	U	0.64	10
2,4-Dimethylphenol	4.0	U	0.58	10
2,4-Dinitrophenol	20	U	10	80
2,4-Dinitrotoluene	4.0	U	1.7	20
2,6-Dichlorophenol	4.0	U	1.4	10
2,6-Dinitrotoluene	4.0	U	1.9	20
2-Chloronaphthalene	1.0	U	0.26	10
2-Chlorophenol	4.0	U	2.0	10
2-Methylnaphthalene	1.0	U	0.29	10
2-Methylphenol	4.0	U	0.98	10
2-Nitroaniline	4.0	U	1.7	50
2-Nitrophenol	1.0	U	0.39	20
3 & 4 Methylphenol	1.0	U	0.25	20
3,3'-Dichlorobenzidine	10	U	2.0	50
3-Nitroaniline	2.0	U	2.0	50
4,6-Dinitro-2-methylphenol	10	U	4.0	80
4-Bromophenyl phenyl ether	1.0	U	0.43	10
4-Chloro-3-methylphenol	5.0	U	2.4	20
4-Chloroaniline	5.0	U	2.1	25
4-Chlorophenyl phenyl ether	4.0	U	1.7	10
4-Nitroaniline	4.0	U	2.0	50
4-Nitrophenol	10	U	1.2	50
Acenaphthene	1.0	U Q	0.28	10
Acenaphthylene	1.0	U Q	0.49	10
Acetophenone	5.0	U	0.24	10
Anthracene	1.0	U Q	0.42	10
Atrazine	10	U	0.73	50
Benzaldehyde	2.0	U	2.0	10
Benzidine	100	U Q	50	200
Benzo[a]anthracene	1.0	U Q	0.35	10
Benzo[a]pyrene	1.0	U Q	0.31	10
Benzo[b]fluoranthene	1.0	U Q	0.53	10
Benzo[g,h,i]perylene	1.0	U Q	0.50	10
Benzo[k]fluoranthene	1.0	U Q	0.46	10
Benzoic acid	50	U	10	80

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-6
Client Matrix: Water

Date Sampled: 10/30/2013 1155
Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Prep Method:	3520C	Prep Batch:	280-199334	Lab File ID:	Y7496.D
Dilution:	1.0			Initial Weight/Volume:	995.4 mL
Analysis Date:	11/14/2013 1624			Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Benzyl alcohol	0.93	J	0.23	25
Bis(2-chloroethoxy)methane	4.0	U	0.97	10
Bis(2-chloroethyl)ether	1.0	U	0.41	20
Bis(2-ethylhexyl) phthalate	1.0	U	0.56	10
Butyl benzyl phthalate	4.0	U	1.0	20
Caprolactam	10	U	5.0	35
Carbazole	1.0	U	0.43	10
Chrysene	1.0	U Q	0.54	10
Dibenz(a,h)anthracene	1.0	U	0.51	10
Dibenzofuran	1.0	U	0.29	10
Diethyl phthalate	1.0	U	0.38	20
Dimethyl phthalate	1.0	U	0.21	20
Di-n-butyl phthalate	4.0	U	1.2	20
Di-n-octyl phthalate	1.0	U	0.35	20
Fluoranthene	1.0	U Q	0.20	20
Fluorene	1.0	U Q	0.31	10
Hexachlorobenzene	1.0	U	0.66	10
Hexachlorobutadiene	10	U	3.3	30
Hexachlorocyclopentadiene	20	U	10	50
Hexachloroethane	4.0	U	2.1	10
Indeno[1,2,3-cd]pyrene	1.0	U Q	0.65	10
Isophorone	1.0	U	0.21	10
Naphthalene	1.0	U Q	0.29	10
Nitrobenzene	2.0	U	0.81	20
N-Nitrosodimethylamine	1.0	U	0.29	10
N-Nitrosodi-n-propylamine	1.3	J	0.35	20
N-Nitrosodiphenylamine	1.0	U	0.44	10
N-Nitrosopyrrolidine	4.0	U	0.81	10
Pentachlorophenol	40	U	20	80
Phenanthrene	1.0	U Q	0.26	10
Phenol	5.0	U	2.0	10
Pyrene	1.0	U Q	0.37	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81		40 - 125
2-Fluorobiphenyl	89		50 - 110
2-Fluorophenol (Surr)	63		20 - 110
Nitrobenzene-d5 (Surr)	97		40 - 110
Phenol-d5 (Surr)	69		10 - 115
Terphenyl-d14 (Surr)	43	Q	50 - 135

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **103013AE**

Lab Sample ID: 280-48651-7
Client Matrix: Water

Date Sampled: 10/30/2013 1415
Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Prep Method:	3520C	Prep Batch:	280-199334	Lab File ID:	Y7497.D
Dilution:	1.0			Initial Weight/Volume:	1052.3 mL
Analysis Date:	11/14/2013 1651			Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1'-Biphenyl	1.9	U	1.7	9.5
1,2,4,5-Tetrachlorobenzene	1.9	U	1.6	9.5
1,2,4-Trichlorobenzene	0.95	U	0.27	9.5
1,2-Dichlorobenzene	0.95	U	0.22	9.5
1,2-Diphenylhydrazine	0.95	U	0.22	9.5
1,3-Dichlorobenzene	0.95	U	0.29	9.5
1,4-Dichlorobenzene	0.95	U	0.30	9.5
2,2'-oxybis[1-chloropropane]	0.95	U	0.27	9.5
2,3,4,6-Tetrachlorophenol	1.9	U	1.9	48
2,4,5-Trichlorophenol	0.95	U	0.43	19
2,4,6-Trichlorophenol	0.95	U	0.28	19
2,4-Dichlorophenol	1.9	U	0.61	9.5
2,4-Dimethylphenol	3.8	U	0.55	9.5
2,4-Dinitrophenol	19	U	9.5	76
2,4-Dinitrotoluene	3.8	U	1.6	19
2,6-Dichlorophenol	3.8	U	1.3	9.5
2,6-Dinitrotoluene	3.8	U	1.8	19
2-Chloronaphthalene	0.95	U	0.25	9.5
2-Chlorophenol	3.8	U	1.9	9.5
2-Methylnaphthalene	0.95	U	0.28	9.5
2-Methylphenol	3.8	U	0.93	9.5
2-Nitroaniline	3.8	U	1.6	48
2-Nitrophenol	0.95	U	0.37	19
3 & 4 Methylphenol	0.95	U	0.24	19
3,3'-Dichlorobenzidine	9.5	U	1.9	48
3-Nitroaniline	1.9	U	1.9	48
4,6-Dinitro-2-methylphenol	9.5	U	3.8	76
4-Bromophenyl phenyl ether	0.95	U	0.41	9.5
4-Chloro-3-methylphenol	4.8	U	2.3	19
4-Chloroaniline	4.8	U	2.0	24
4-Chlorophenyl phenyl ether	3.8	U	1.6	9.5
4-Nitroaniline	3.8	U	1.9	48
4-Nitrophenol	9.5	U	1.2	48
Acenaphthene	0.95	U	0.27	9.5
Acenaphthylene	0.95	U	0.47	9.5
Acetophenone	4.8	U	0.23	9.5
Anthracene	0.95	U	0.40	9.5
Atrazine	9.5	U	0.69	48
Benzaldehyde	1.9	U	1.9	9.5
Benzidine	95	U	48	190
Benzo[a]anthracene	0.95	U	0.33	9.5
Benzo[a]pyrene	0.95	U	0.29	9.5
Benzo[b]fluoranthene	0.95	U	0.50	9.5
Benzo[g,h,i]perylene	0.95	U	0.48	9.5
Benzo[k]fluoranthene	0.95	U	0.44	9.5
Benzoic acid	48	U	9.5	76

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **103013AE**

Lab Sample ID: 280-48651-7
Client Matrix: Water

Date Sampled: 10/30/2013 1415
Date Received: 10/31/2013 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Prep Method:	3520C	Prep Batch:	280-199334	Lab File ID:	Y7497.D
Dilution:	1.0			Initial Weight/Volume:	1052.3 mL
Analysis Date:	11/14/2013 1651			Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Benzyl alcohol	0.95	U	0.22	24
Bis(2-chloroethoxy)methane	3.8	U	0.92	9.5
Bis(2-chloroethyl)ether	0.95	U	0.39	19
Bis(2-ethylhexyl) phthalate	0.95	U	0.53	9.5
Butyl benzyl phthalate	3.8	U	0.95	19
Caprolactam	9.5	U	4.8	33
Carbazole	0.95	U	0.41	9.5
Chrysene	0.95	U	0.51	9.5
Dibenz(a,h)anthracene	0.95	U	0.48	9.5
Dibenzofuran	0.95	U	0.28	9.5
Diethyl phthalate	0.95	U	0.36	19
Dimethyl phthalate	0.95	U	0.20	19
Di-n-butyl phthalate	3.8	U	1.1	19
Di-n-octyl phthalate	0.95	U	0.33	19
Fluoranthene	0.95	U	0.19	19
Fluorene	0.95	U	0.29	9.5
Hexachlorobenzene	0.95	U	0.63	9.5
Hexachlorobutadiene	9.5	U	3.1	29
Hexachlorocyclopentadiene	19	U	9.5	48
Hexachloroethane	3.8	U	2.0	9.5
Indeno[1,2,3-cd]pyrene	0.95	U	0.62	9.5
Isophorone	0.95	U	0.20	9.5
Naphthalene	0.95	U	0.28	9.5
Nitrobenzene	1.9	U	0.77	19
N-Nitrosodimethylamine	0.95	U	0.28	9.5
N-Nitrosodi-n-propylamine	0.95	U	0.33	19
N-Nitrosodiphenylamine	0.95	U	0.42	9.5
N-Nitrosopyrrolidine	3.8	U	0.76	9.5
Pentachlorophenol	38	U	19	76
Phenanthrene	0.95	U	0.25	9.5
Phenol	4.8	U	1.9	9.5
Pyrene	0.95	U	0.35	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85		40 - 125
2-Fluorobiphenyl	93		50 - 110
2-Fluorophenol (Surr)	92		20 - 110
Nitrobenzene-d5 (Surr)	97		40 - 110
Phenol-d5 (Surr)	96		10 - 115
Terphenyl-d14 (Surr)	100		50 - 135

Client Sample ID: **AOI474NW0102AA**

Lab Sample ID: 280-48651-1 Date Sampled: 10/30/2013 1100
Client Matrix: Solid % Moisture: 17.7 Date Received: 10/31/2013 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	11/08/2013 1953			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Arsenic		1.2	U	0.79	3.0
Barium		20		0.091	2.4
Beryllium		0.25	J	0.039	0.60
Cadmium		0.25	J	0.049	0.60
Calcium		560		17	120
Chromium		7.3		0.069	4.2
Cobalt		3.0		0.12	1.2
Copper		5.3	J	0.26	6.0
Iron		8400	J	4.5	95
Lead		6.8		0.32	1.1
Magnesium		2400		4.4	36
Manganese		68	Q	0.12	5.4
Molybdenum		0.60	U	0.31	3.0
Nickel		9.8		0.15	4.8
Potassium		900	J	49	360
Selenium		1.4	U	1.0	3.6
Silver		0.24	U	0.19	1.8
Sodium		120	U	70	600
Strontium		2.7	Q	0.043	1.8
Thallium		1.4	U	0.77	3.6
Vanadium		9.5	Q	0.11	2.4
Zinc		110	J	0.47	9.5

Analysis Method:	6010C	Analysis Batch:	280-200481	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	11/11/2013 1853			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		7800	J	1.8	60
Boron		2.2	J	1.2	12

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	11/14/2013 1709			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Antimony		0.71	U J	0.45	2.4

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474NW0102AA**

Lab Sample ID: 280-48651-1
Client Matrix: Solid
% Moisture: 17.7
Date Sampled: 10/30/2013 1100
Date Received: 10/31/2013 0900

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	280-200988	Instrument ID:	MT_033
Prep Method:	7471B	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0			Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1857			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		23		7.0	21

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-2 | Date Sampled: 10/30/2013 1105
Client Matrix: Solid | % Moisture: 15.5 | Date Received: 10/31/2013 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	11/08/2013 2012			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Arsenic		1.1	J	0.70	2.7
Barium		16		0.081	2.1
Beryllium		0.27	J	0.035	0.53
Cadmium		0.079	J	0.044	0.53
Calcium		480		15	110
Chromium		7.0		0.062	3.7
Cobalt		3.0		0.11	1.1
Copper		5.2	J	0.23	5.3
Iron		8700		4.1	85
Lead		2.6		0.29	0.96
Magnesium		2400		3.9	32
Manganese		65	Q	0.11	4.8
Molybdenum		0.53	U	0.28	2.7
Nickel		9.9		0.13	4.3
Potassium		820		44	320
Selenium		1.3	U	0.92	3.2
Silver		0.21	U	0.17	1.6
Sodium		110	U	63	530
Strontium		2.0	Q	0.038	1.6
Thallium		1.3	U	0.69	3.2
Vanadium		10	Q	0.10	2.1
Zinc		32		0.42	8.5

Analysis Method:	6010C	Analysis Batch:	280-200481	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	11/11/2013 1913			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		7500		1.7	53
Boron		1.8	J	1.0	11

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	11/14/2013 1739			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Antimony		0.64	U	0.41	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-2
Client Matrix: Solid
% Moisture: 15.5
Date Sampled: 10/30/2013 1105
Date Received: 10/31/2013 0900

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	280-200988	Instrument ID:	MT_033
Prep Method:	7471B	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0			Initial Weight/Volume:	.57 g
Analysis Date:	11/13/2013 1859			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		7.6	J	6.9	21

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474WW0102AA**

Lab Sample ID: 280-48651-3 | Date Sampled: 10/30/2013 1125
Client Matrix: Solid | % Moisture: 15.9 | Date Received: 10/31/2013 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/08/2013 2015			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Arsenic		0.84	J	0.78	2.9
Barium		11		0.089	2.4
Beryllium		0.20	J	0.039	0.59
Cadmium		0.12	J	0.048	0.59
Calcium		300		17	120
Chromium		5.0		0.068	4.1
Cobalt		1.9		0.12	1.2
Copper		4.2	J	0.26	5.9
Iron		6000		4.5	94
Lead		2.6		0.32	1.1
Magnesium		1600		4.4	35
Manganese		43	Q	0.12	5.3
Molybdenum		0.59	U	0.31	2.9
Nickel		6.4		0.14	4.7
Potassium		700		48	350
Selenium		1.4	U	1.0	3.5
Silver		0.24	U	0.19	1.8
Sodium		120	U	69	590
Strontium		1.5	J Q	0.042	1.8
Thallium		1.4	U	0.77	3.5
Vanadium		6.9	Q	0.11	2.4
Zinc		29		0.47	9.4

Analysis Method:	6010C	Analysis Batch:	280-200481	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/11/2013 1915			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5500		1.8	59
Boron		1.6	J	1.2	12

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/14/2013 1742			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Antimony		0.71	U	0.45	2.4

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474WW0102AA**

Lab Sample ID: 280-48651-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 10/30/2013 1125
Date Received: 10/31/2013 0900

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	280-200988	Instrument ID:	MT_033
Prep Method:	7471B	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0			Initial Weight/Volume:	.54 g
Analysis Date:	11/13/2013 1901			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		26		7.3	22

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474EW0102AA**

Lab Sample ID: 280-48651-4
Client Matrix: Solid
% Moisture: 14.8

Date Sampled: 10/30/2013 1135
Date Received: 10/31/2013 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Analysis Date:	11/08/2013 2017			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Arsenic		1.0	U	0.69	2.6
Barium		13		0.080	2.1
Beryllium		0.18	J	0.035	0.52
Cadmium		0.17	J	0.043	0.52
Calcium		410		15	100
Chromium		4.4		0.061	3.7
Cobalt		1.8		0.10	1.0
Copper		2.4	J	0.23	5.2
Iron		5200		4.0	84
Lead		3.4		0.28	0.94
Magnesium		1400		3.9	31
Manganese		39	Q	0.10	4.7
Molybdenum		0.52	U	0.27	2.6
Nickel		5.6		0.13	4.2
Potassium		580		43	310
Selenium		1.3	U	0.90	3.1
Silver		0.21	U	0.17	1.6
Sodium		100	U	62	520
Strontium		1.9	Q	0.038	1.6
Thallium		1.3	U	0.68	3.1
Vanadium		6.0	Q	0.098	2.1
Zinc		30		0.42	8.4

Analysis Method:	6010C	Analysis Batch:	280-200481	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Analysis Date:	11/11/2013 1917			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5100		1.6	52
Boron		1.4	J	1.0	10

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Analysis Date:	11/14/2013 1744			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Antimony		0.63	U	0.40	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474EW0102AA**

Lab Sample ID: 280-48651-4
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 10/30/2013 1135
Date Received: 10/31/2013 0900

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	280-200988	Instrument ID:	MT_033
Prep Method:	7471B	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0			Initial Weight/Volume:	.55 g
Analysis Date:	11/13/2013 1904			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		23		7.1	22

Client: FPM Remediations Inc | Job Number: 280-48651-1

Client Sample ID: **AOI474BT0103AA**

Lab Sample ID: 280-48651-5 | Date Sampled: 10/30/2013 1145
Client Matrix: Solid | % Moisture: 23.0 | Date Received: 10/31/2013 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	11/08/2013 2019			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Arsenic		1.5	J	0.82	3.1
Barium		22		0.094	2.5
Beryllium		0.21	J	0.041	0.62
Cadmium		0.47	J	0.051	0.62
Calcium		1800		17	120
Chromium		6.2		0.072	4.3
Cobalt		2.3		0.12	1.2
Copper		15		0.27	6.2
Iron		9000		4.7	99
Lead		28		0.33	1.1
Magnesium		1800		4.6	37
Manganese		66	Q	0.12	5.6
Molybdenum		0.62	U	0.32	3.1
Nickel		8.2		0.15	5.0
Potassium		800		51	370
Selenium		1.5	U	1.1	3.7
Silver		0.25	U	0.20	1.9
Sodium		120	U	73	620
Strontium		10	Q	0.045	1.9
Thallium		1.5	U	0.80	3.7
Vanadium		9.8	Q	0.12	2.5
Zinc		130		0.49	9.9

Analysis Method:	6010C	Analysis Batch:	280-200481	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	11/11/2013 1920			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5800		1.9	62
Boron		2.1	J	1.2	12

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Analysis Date:	11/14/2013 1746			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Antimony		0.74	U	0.47	2.5

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474BT0103AA**

Lab Sample ID: 280-48651-5
Client Matrix: Solid
% Moisture: 23.0
Date Sampled: 10/30/2013 1145
Date Received: 10/31/2013 0900

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	280-200988	Instrument ID:	MT_033
Prep Method:	7471B	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0			Initial Weight/Volume:	.57 g
Analysis Date:	11/13/2013 1910			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		9.3	J	7.6	23

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-6
Client Matrix: Water

Date Sampled: 10/30/2013 1155
Date Received: 10/31/2013 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-199917	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-198991	Lab File ID:	25A4110713.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 2345			Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Arsenic	5.3	J	4.4	25
Barium	160		0.58	10
Beryllium	0.59	J	0.47	1.5
Boron	37	J	4.4	100
Cadmium	7.8		0.45	5.0
Calcium	39000		35	1000
Chromium	6.4	J Q	0.66	15
Cobalt	14	J	1.2	15
Copper	39		1.4	15
Iron	3700		22	100
Lead	18		2.6	15
Magnesium	6000		11	500
Manganese	380	Q	0.25	10
Molybdenum	7.0	U	3.1	30
Nickel	37	J	1.3	40
Potassium	6100		240	3000
Selenium	12	U	4.9	22
Silver	2.0	U	0.93	15
Thallium	12	U	4.9	40
Vanadium	11	J	1.1	15
Zinc	4800		4.5	150
Strontium	160	Q	0.30	10

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-198991	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/08/2013 1652			Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	7100		18	300
Sodium	5200		92	5000

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-198991	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2013 1643			Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Antimony	8.0	U	3.1	20

7470A Mercury (CVAA)

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-6
Client Matrix: Water

Date Sampled: 10/30/2013 1155
Date Received: 10/31/2013 0900

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-200323	Instrument ID:	MT_034
Prep Method:	7470A	Prep Batch:	280-198955	Lab File ID:	131108taa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/08/2013 1855			Final Weight/Volume:	30 mL
Prep Date:	11/08/2013 1330				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.10	J	0.027	0.20

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **103013AE**

Lab Sample ID: 280-48651-7
Client Matrix: Water

Date Sampled: 10/30/2013 1415
Date Received: 10/31/2013 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-199917	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-198991	Lab File ID:	25A4110713.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 2347			Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Arsenic	12	U	4.4	25
Barium	1.5	U	0.58	10
Beryllium	0.50	U	0.47	1.5
Boron	6.0	J	4.4	100
Cadmium	0.80	U	0.45	5.0
Calcium	80	U	35	1000
Chromium	1.5	U Q	0.66	15
Cobalt	2.0	U	1.2	15
Copper	3.5	U	1.4	15
Iron	30	U	22	100
Lead	5.0	U	2.6	15
Magnesium	25	U	11	500
Manganese	0.34	J Q	0.25	10
Molybdenum	7.0	U	3.1	30
Nickel	3.0	U	1.3	40
Potassium	250	U	240	3000
Selenium	12	U	4.9	22
Silver	2.0	U	0.93	15
Thallium	12	U	4.9	40
Vanadium	2.5	U	1.1	15
Zinc	13	U	4.5	150
Strontium	0.50	U Q	0.30	10

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-198991	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/08/2013 1654			Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	31	U	18	300
Sodium	250	U	92	5000

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-198991	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2013 1646			Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Antimony	8.0	U	3.1	20

7470A Mercury (CVAA)

Client: FPM Remediations Inc

Job Number: 280-48651-1

Client Sample ID: **103013AE**

Lab Sample ID: 280-48651-7
Client Matrix: Water

Date Sampled: 10/30/2013 1415
Date Received: 10/31/2013 0900

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-200323	Instrument ID:	MT_034
Prep Method:	7470A	Prep Batch:	280-198955	Lab File ID:	131108taa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/08/2013 1857			Final Weight/Volume:	30 mL
Prep Date:	11/08/2013 1330				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.080	U	0.027	0.20

General Chemistry

Client Sample ID: **AOI474NW0102AA**

Lab Sample ID: 280-48651-1 Date Sampled: 10/30/2013 1100
Client Matrix: Solid Date Received: 10/31/2013 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N

General Chemistry

Client Sample ID: **AOI474SW0102AA**

Lab Sample ID: 280-48651-2 Date Sampled: 10/30/2013 1105

Client Matrix: Solid Date Received: 10/31/2013 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N

General Chemistry

Client Sample ID: **AOI474WW0102AA**

Lab Sample ID: 280-48651-3 Date Sampled: 10/30/2013 1125
Client Matrix: Solid Date Received: 10/31/2013 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N

General Chemistry

Client Sample ID: **AOI474EW0102AA**

Lab Sample ID: 280-48651-4 Date Sampled: 10/30/2013 1135
Client Matrix: Solid Date Received: 10/31/2013 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N

General Chemistry

Client Sample ID: **AOI474BT0103AA**

Lab Sample ID: 280-48651-5 Date Sampled: 10/30/2013 1145

Client Matrix: Solid Date Received: 10/31/2013 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-199192	Analysis Date: 11/04/2013 1332						DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-48651-1

Surrogate Recovery Report

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-48651-1	AOI474NW0102AA	79	81	79	82	83	88
280-48651-2	AOI474SW0102AA	76	79	79	81	77	87
280-48651-3	AOI474WW0102AA	79	82	80	81	84	90
280-48651-4	AOI474EW0102AA	77	81	78	80	82	88
280-48651-5	AOI474BT0103AA	76	78	78	80	85	87
MB 280-200642/1-A		75	79	82	83	72	90
LCS 280-200642/2-A		77	79	80	81	82	88
280-48651-1 MS	AOI474NW0102AA MS	75	77	76	79	80	86
280-48651-1 MSD	AOI474NW0102AA MSD	73	76	77	80	84	86

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: FPM Remediations Inc

Job Number: 280-48651-1

Surrogate Recovery Report

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-48651-6	AOI474SW0102AA	63	69	97	89	81	43Q
280-48651-7	103013AE	92	96	97	93	85	100
MB 280-199334/1-A		84	89	92	85	83	102
LCS 280-199334/2-A		73	78	83	78	78	83
LCSD 280-199334/3-A		88	92	97	89	90	95

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

Client: FPM Remediations Inc

Job Number: 280-48651-1

Method Blank - Batch: 280-199334

Method: 8270D/DoD
Preparation: 3520C

Lab Sample ID:	MB 280-199334/1-A	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Client Matrix:	Water	Prep Batch:	280-199334	Lab File ID:	Y7492.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2013 1434	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1'-Biphenyl	2.0	U	1.8	10
1,2,4,5-Tetrachlorobenzene	2.0	U	1.7	10
1,2,4-Trichlorobenzene	1.0	U	0.28	10
1,2-Dichlorobenzene	1.0	U	0.23	10
1,2-Diphenylhydrazine	1.0	U	0.23	10
1,3-Dichlorobenzene	1.0	U	0.30	10
1,4-Dichlorobenzene	1.0	U	0.32	10
2,2'-oxybis[1-chloropropane]	1.0	U	0.28	10
2,3,4,6-Tetrachlorophenol	2.0	U	2.0	50
2,4,5-Trichlorophenol	1.0	U	0.45	20
2,4,6-Trichlorophenol	1.0	U	0.29	20
2,4-Dichlorophenol	2.0	U	0.64	10
2,4-Dimethylphenol	4.0	U	0.58	10
2,4-Dinitrophenol	20	U	10	80
2,4-Dinitrotoluene	4.0	U	1.7	20
2,6-Dichlorophenol	4.0	U	1.4	10
2,6-Dinitrotoluene	4.0	U	1.9	20
2-Chloronaphthalene	1.0	U	0.26	10
2-Chlorophenol	4.0	U	2.0	10
2-Methylnaphthalene	1.0	U	0.29	10
2-Methylphenol	4.0	U	0.98	10
2-Nitroaniline	4.0	U	1.7	50
2-Nitrophenol	1.0	U	0.39	20
3 & 4 Methylphenol	1.0	U	0.25	20
3,3'-Dichlorobenzidine	10	U	2.0	50
3-Nitroaniline	2.0	U	2.0	50
4,6-Dinitro-2-methylphenol	10	U	4.0	80
4-Bromophenyl phenyl ether	1.0	U	0.43	10
4-Chloro-3-methylphenol	5.0	U	2.4	20
4-Chloroaniline	5.0	U	2.1	25
4-Chlorophenyl phenyl ether	4.0	U	1.7	10
4-Nitroaniline	4.0	U	2.0	50
4-Nitrophenol	10	U	1.2	50
Acenaphthene	1.0	U	0.28	10
Acenaphthylene	1.0	U	0.49	10
Acetophenone	5.0	U	0.24	10
Anthracene	1.0	U	0.42	10
Atrazine	10	U	0.73	50
Benzaldehyde	2.0	U	2.0	10
Benzidine	100	U	50	200
Benzo[a]anthracene	1.0	U	0.35	10
Benzo[a]pyrene	1.0	U	0.31	10
Benzo[b]fluoranthene	1.0	U	0.53	10
Benzo[g,h,i]perylene	1.0	U	0.50	10
Benzo[k]fluoranthene	1.0	U	0.46	10

Client: FPM Remediations Inc

Job Number: 280-48651-1

Method Blank - Batch: 280-199334

Method: 8270D/DoD
Preparation: 3520C

Lab Sample ID:	MB 280-199334/1-A	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Client Matrix:	Water	Prep Batch:	280-199334	Lab File ID:	Y7492.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2013 1434	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Benzoic acid	50	U	10	80
Benzyl alcohol	1.0	U	0.23	25
Bis(2-chloroethoxy)methane	4.0	U	0.97	10
Bis(2-chloroethyl)ether	1.0	U	0.41	20
Bis(2-ethylhexyl) phthalate	1.0	U	0.56	10
Butyl benzyl phthalate	4.0	U	1.0	20
Caprolactam	10	U	5.0	35
Carbazole	1.0	U	0.43	10
Chrysene	1.0	U	0.54	10
Dibenz(a,h)anthracene	1.0	U	0.51	10
Dibenzofuran	1.0	U	0.29	10
Diethyl phthalate	1.0	U	0.38	20
Dimethyl phthalate	1.0	U	0.21	20
Di-n-butyl phthalate	4.0	U	1.2	20
Di-n-octyl phthalate	1.0	U	0.35	20
Fluoranthene	1.0	U	0.20	20
Fluorene	1.0	U	0.31	10
Hexachlorobenzene	1.0	U	0.66	10
Hexachlorobutadiene	10	U	3.3	30
Hexachlorocyclopentadiene	20	U	10	50
Hexachloroethane	4.0	U	2.1	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.65	10
Isophorone	1.0	U	0.21	10
Naphthalene	1.0	U	0.29	10
Nitrobenzene	2.0	U	0.81	20
N-Nitrosodimethylamine	1.0	U	0.29	10
N-Nitrosodi-n-propylamine	1.0	U	0.35	20
N-Nitrosodiphenylamine	1.0	U	0.44	10
N-Nitrosopyrrolidine	4.0	U	0.80	10
Pentachlorophenol	40	U	20	80
Phenanthrene	1.0	U	0.26	10
Phenol	5.0	U	2.0	10
Pyrene	1.0	U	0.37	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	83	40 - 125
2-Fluorobiphenyl	85	50 - 110
2-Fluorophenol (Surr)	84	20 - 110
Nitrobenzene-d5 (Surr)	92	40 - 110
Phenol-d5 (Surr)	89	10 - 115
Terphenyl-d14 (Surr)	102	50 - 135

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-199334

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-199334/2-A	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Client Matrix:	Water	Prep Batch:	280-199334	Lab File ID:	Y7493.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2013 1502	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-199334/3-A	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Client Matrix:	Water	Prep Batch:	280-199334	Lab File ID:	Y7494.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2013 1529	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	64	63	35 - 105	2	30		
1,2-Dichlorobenzene	58	64	35 - 100	11	30		
1,2-Diphenylhydrazine	89	101	55 - 115	12	30		
1,3-Dichlorobenzene	57	61	30 - 100	8	30		
1,4-Dichlorobenzene	57	62	30 - 100	8	30		
2,2'-oxybis[1-chloropropane]	84	97	25 - 130	14	30		
2,4,5-Trichlorophenol	80	91	50 - 110	13	30		
2,4,6-Trichlorophenol	79	90	50 - 115	13	30		
2,4-Dichlorophenol	76	89	50 - 105	16	30		
2,4-Dimethylphenol	64	72	30 - 110	12	30		
2,4-Dinitrophenol	81	98	15 - 140	19	30		
2,4-Dinitrotoluene	85	98	50 - 120	14	30		
2,6-Dinitrotoluene	82	95	50 - 115	15	30		
2-Chloronaphthalene	79	83	50 - 105	6	30		
2-Chlorophenol	75	91	35 - 105	18	30		
2-Methylnaphthalene	75	79	45 - 105	5	30		
2-Methylphenol	74	89	40 - 110	18	30		
2-Nitroaniline	91	107	50 - 115	16	30		
2-Nitrophenol	79	93	40 - 115	17	30		
3 & 4 Methylphenol	77	91	30 - 110	17	30		
3,3'-Dichlorobenzidine	56	63	20 - 110	11	30	J	
3-Nitroaniline	66	76	20 - 125	15	30		
4,6-Dinitro-2-methylphenol	89	102	40 - 130	14	30		
4-Bromophenyl phenyl ether	81	90	50 - 115	11	30		
4-Chloro-3-methylphenol	81	95	45 - 110	15	30		
4-Chloroaniline	57	68	15 - 110	18	30		
4-Chlorophenyl phenyl ether	81	92	50 - 110	13	30		
4-Nitroaniline	78	91	35 - 120	15	30		
4-Nitrophenol	81	97	10 - 125	18	30		
Acenaphthene	82	90	45 - 110	10	30		
Acenaphthylene	78	87	50 - 105	10	30		
Anthracene	81	93	55 - 110	13	30		
Benzo[a]anthracene	83	95	55 - 110	14	30		
Benzo[a]pyrene	80	94	55 - 110	16	30		
Benzo[b]fluoranthene	85	97	45 - 120	13	30		
Benzo[g,h,i]perylene	81	93	40 - 125	14	30		

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-199334

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-199334/2-A	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Client Matrix:	Water	Prep Batch:	280-199334	Lab File ID:	Y7493.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2013 1502	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-199334/3-A	Analysis Batch:	280-201071	Instrument ID:	SMS_Y
Client Matrix:	Water	Prep Batch:	280-199334	Lab File ID:	Y7494.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/14/2013 1529	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	11/05/2013 1346			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzo[k]fluoranthene	82	96	45 - 125	16	30		
Benzoic acid	65	75	10 - 125	14	30	J	J
Benzyl alcohol	78	91	30 - 110	16	30		
Bis(2-chloroethoxy)methane	80	95	45 - 105	16	30		
Bis(2-chloroethyl)ether	83	95	35 - 110	13	30		
Bis(2-ethylhexyl) phthalate	87	99	40 - 125	13	30		
Butyl benzyl phthalate	84	95	45 - 115	13	30		
Carbazole	84	95	50 - 115	13	30		
Chrysene	82	94	55 - 110	13	30		
Dibenz(a,h)anthracene	84	97	40 - 125	15	30		
Dibenzofuran	81	93	55 - 105	13	30		
Diethyl phthalate	85	97	40 - 120	14	30		
Dimethyl phthalate	83	95	25 - 125	13	30		
Di-n-butyl phthalate	85	97	55 - 115	13	30		
Di-n-octyl phthalate	88	103	35 - 135	15	30		
Fluoranthene	85	98	55 - 115	14	30		
Fluorene	84	96	50 - 110	13	30		
Hexachlorobenzene	80	90	50 - 110	12	30		
Hexachlorobutadiene	60	58	25 - 105	3	30		
Hexachlorocyclopentadiene	23	18	10 - 82	23	30	J	J
Hexachloroethane	56	60	30 - 100	7	30		
Indeno[1,2,3-cd]pyrene	80	94	45 - 125	16	30	M	M
Isophorone	77	90	50 - 110	15	30		
Naphthalene	73	78	40 - 100	7	30		
Nitrobenzene	83	97	45 - 110	16	30		
N-Nitrosodimethylamine	74	89	25 - 110	19	30		
N-Nitrosodi-n-propylamine	81	95	35 - 130	15	30		
N-Nitrosodiphenylamine	83	93	50 - 110	12	30		
Pentachlorophenol	79	88	40 - 115	10	30		
Phenanthrene	85	95	50 - 115	11	30		
Phenol	77	92	10 - 115	18	30		
Pyrene	84	96	50 - 130	14	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	78	90	40 - 125
2-Fluorobiphenyl	78	89	50 - 110

Client: FPM Remediations Inc

Job Number: 280-48651-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol (Surr)	73	88	20 - 110
Nitrobenzene-d5 (Surr)	83	97	40 - 110
Phenol-d5 (Surr)	78	92	10 - 115
Terphenyl-d14 (Surr)	83	95	50 - 135

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-199334

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-199334/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-199334/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/14/2013 1502			Analysis Date:	11/14/2013 1529
Prep Date:	11/05/2013 1346			Prep Date:	11/05/2013 1346
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,2,4-Trichlorobenzene	80.0	80.0	51.1		50.3	
1,2-Dichlorobenzene	80.0	80.0	46.0		51.5	
1,2-Diphenylhydrazine	80.9	80.9	72.1		81.3	
1,3-Dichlorobenzene	80.0	80.0	45.2		49.0	
1,4-Dichlorobenzene	80.0	80.0	45.8		49.6	
2,2'-oxybis[1-chloropropane]	80.0	80.0	67.4		77.4	
2,4,5-Trichlorophenol	80.0	80.0	64.3		73.0	
2,4,6-Trichlorophenol	80.0	80.0	63.0		71.9	
2,4-Dichlorophenol	80.0	80.0	61.0		71.4	
2,4-Dimethylphenol	80.0	80.0	51.2		57.7	
2,4-Dinitrophenol	160	160	130		157	
2,4-Dinitrotoluene	80.0	80.0	68.0		78.2	
2,6-Dinitrotoluene	80.0	80.0	65.3		76.0	
2-Chloronaphthalene	80.0	80.0	62.9		66.5	
2-Chlorophenol	80.0	80.0	60.4		72.6	
2-Methylnaphthalene	80.0	80.0	60.2		63.1	
2-Methylphenol	80.0	80.0	59.2		71.2	
2-Nitroaniline	80.0	80.0	72.7		85.6	
2-Nitrophenol	80.0	80.0	62.9		74.5	
3 & 4 Methylphenol	80.0	80.0	61.3		72.7	
3,3'-Dichlorobenzidine	80.0	80.0	45.2	J	50.7	
3-Nitroaniline	80.0	80.0	52.8		61.1	
4,6-Dinitro-2-methylphenol	160	160	142		163	
4-Bromophenyl phenyl ether	80.0	80.0	64.6		72.4	
4-Chloro-3-methylphenol	80.0	80.0	65.0		75.7	
4-Chloroaniline	80.0	80.0	45.5		54.6	
4-Chlorophenyl phenyl ether	80.0	80.0	65.1		73.8	
4-Nitroaniline	80.0	80.0	62.6		72.9	
4-Nitrophenol	160	160	129		155	
Acenaphthene	80.0	80.0	65.5		72.3	
Acenaphthylene	80.0	80.0	62.8		69.5	
Anthracene	80.0	80.0	64.8		74.1	
Benzo[a]anthracene	80.0	80.0	66.2		76.3	
Benzo[a]pyrene	80.0	80.0	64.2		75.2	
Benzo[b]fluoranthene	80.0	80.0	68.1		77.4	
Benzo[g,h,i]perylene	80.0	80.0	65.1		74.7	
Benzo[k]fluoranthene	80.0	80.0	65.6		77.0	
Benzoic acid	80.0	80.0	51.9	J	59.8	J
Benzyl alcohol	80.0	80.0	62.1		72.5	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-199334

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-199334/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-199334/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/14/2013 1502			Analysis Date:	11/14/2013 1529
Prep Date:	11/05/2013 1346			Prep Date:	11/05/2013 1346
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Bis(2-chloroethoxy)methane	80.0	80.0	64.2		75.6	
Bis(2-chloroethyl)ether	80.0	80.0	66.5		75.8	
Bis(2-ethylhexyl) phthalate	80.0	80.0	69.6		79.3	
Butyl benzyl phthalate	80.0	80.0	66.8		76.1	
Carbazole	80.0	80.0	67.1		76.3	
Chrysene	80.0	80.0	65.9		75.4	
Dibenz(a,h)anthracene	80.0	80.0	67.1		77.7	
Dibenzofuran	80.0	80.0	64.7		74.1	
Diethyl phthalate	80.0	80.0	67.8		77.7	
Dimethyl phthalate	80.0	80.0	66.6		75.6	
Di-n-butyl phthalate	80.0	80.0	67.9		77.3	
Di-n-octyl phthalate	80.0	80.0	70.5		82.1	
Fluoranthene	80.0	80.0	68.1		78.2	
Fluorene	80.0	80.0	67.2		76.5	
Hexachlorobenzene	80.0	80.0	63.8		71.7	
Hexachlorobutadiene	80.0	80.0	47.7		46.2	
Hexachlorocyclopentadiene	80.0	80.0	18.5	J	14.6	J
Hexachloroethane	80.0	80.0	44.8		48.1	
Indeno[1,2,3-cd]pyrene	80.0	80.0	64.1	M	75.1	M
Isophorone	80.0	80.0	61.4		71.6	
Naphthalene	80.0	80.0	58.2		62.4	
Nitrobenzene	80.0	80.0	66.0		77.6	
N-Nitrosodimethylamine	80.0	80.0	58.9		71.1	
N-Nitrosodi-n-propylamine	80.0	80.0	65.0		75.7	
N-Nitrosodiphenylamine	80.0	80.0	66.1		74.5	
Pentachlorophenol	160	160	127		140	
Phenanthrene	80.0	80.0	67.7		75.9	
Phenol	80.0	80.0	61.6		73.7	
Pyrene	80.0	80.0	66.9		77.0	

Method Blank - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-200642/1-A	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7639.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.2 g
Analysis Date:	11/20/2013 1314	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1'-Biphenyl	170	U	50	330
1,2,4,5-Tetrachlorobenzene	67	U	49	330
1,2,4-Trichlorobenzene	33	U	28	330
1,2-Dichlorobenzene	33	U	22	330
1,2-Diphenylhydrazine	33	U	22	330
1,3-Dichlorobenzene	33	U	12	330
1,4-Dichlorobenzene	33	U	14	330
2,2'-oxybis[1-chloropropane]	33	U	23	330
2,3,4,6-Tetrachlorophenol	170	U	140	1600
2,4,5-Trichlorophenol	130	U	9.9	330
2,4,6-Trichlorophenol	66	U	9.9	330
2,4-Dichlorophenol	66	U	9.9	330
2,4-Dimethylphenol	130	U	66	330
2,4-Dinitrophenol	670	U	330	1600
2,4-Dinitrotoluene	130	U	66	330
2,6-Dichlorophenol	130	U	69	330
2,6-Dinitrotoluene	66	U	28	330
2-Chloronaphthalene	33	U	9.9	330
2-Chlorophenol	33	U	21	330
2-Methylnaphthalene	33	U	19	330
2-Methylphenol	33	U	13	330
2-Nitroaniline	66	U	50	1600
2-Nitrophenol	66	U	9.9	330
3 & 4 Methylphenol	66	U	33	330
3,3'-Dichlorobenzidine	330	U	89	1600
3-Nitroaniline	130	U	73	1600
4,6-Dinitro-2-methylphenol	660	U	330	1600
4-Bromophenyl phenyl ether	33	U	19	330
4-Chloro-3-methylphenol	130	U	66	330
4-Chloroaniline	130	U	81	330
4-Chlorophenyl phenyl ether	66	U	21	330
4-Nitroaniline	130	U	72	1600
4-Nitrophenol	330	U	96	1600
Acenaphthene	17	U	10	330
Acenaphthylene	33	U	17	330
Acetophenone	33	U	20	330
Anthracene	33	U	17	330
Atrazine	130	U	37	330
Benzaldehyde	67	U	39	330
Benzidine	3900	U	980	4000
Benzo[a]anthracene	33	U	20	330
Benzo[a]pyrene	33	U	20	330
Benzo[b]fluoranthene	33	U	26	330
Benzo[g,h,i]perylene	33	U	16	330
Benzo[k]fluoranthene	66	U	40	330

Method Blank - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-200642/1-A	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7639.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.2 g
Analysis Date:	11/20/2013 1314	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Benzoic acid	660	U	330	1600
Benzyl alcohol	33	U	9.9	330
Bis(2-chloroethoxy)methane	66	U	23	330
Bis(2-chloroethyl)ether	33	U	16	330
Bis(2-ethylhexyl) phthalate	66	U	46	330
Butyl benzyl phthalate	66	U	43	330
Caprolactam	330	U	110	1600
Carbazole	67	U	36	330
Chrysene	33	U	27	330
Dibenz(a,h)anthracene	33	U	19	330
Dibenzofuran	33	U	20	330
Diethyl phthalate	33	U	26	660
Dimethyl phthalate	33	U	23	330
Di-n-butyl phthalate	33	U	29	330
Di-n-octyl phthalate	66	U	14	330
Fluoranthene	66	U	36	330
Fluorene	33	U	18	330
Hexachlorobenzene	66	U	29	330
Hexachlorobutadiene	66	U	9.9	330
Hexachlorocyclopentadiene	66	U	50	1700
Hexachloroethane	33	U	21	330
Indeno[1,2,3-cd]pyrene	33	U	22	330
Isophorone	33	U	17	330
Naphthalene	66	U	31	330
Nitrobenzene	33	U	22	330
N-Nitrosodimethylamine	66	U	37	520
N-Nitrosodi-n-propylamine	66	U	31	330
N-Nitrosodiphenylamine	33	U	21	330
N-Nitrosopyrrolidine	130	U	64	330
Pentachlorophenol	670	U	330	1600
Phenanthrene	33	U	17	330
Phenol	33	U	18	330
Pyrene	33	U	12	400

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	72	35 - 125
2-Fluorobiphenyl	83	45 - 105
2-Fluorophenol (Surr)	75	35 - 105
Nitrobenzene-d5 (Surr)	82	35 - 100
Phenol-d5 (Surr)	79	40 - 100
Terphenyl-d14 (Surr)	90	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Control Sample - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-200642/2-A	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7640.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	11/20/2013 1342	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	2670	1990	75	45 - 110	
1,2-Dichlorobenzene	2670	1940	73	45 - 95	
1,2-Diphenylhydrazine	2700	2240	83	54 - 120	
1,3-Dichlorobenzene	2670	1910	72	40 - 100	
1,4-Dichlorobenzene	2670	1930	72	35 - 105	
2,2'-oxybis[1-chloropropane]	2670	1960	73	20 - 115	
2,4,5-Trichlorophenol	2670	2160	81	50 - 110	
2,4,6-Trichlorophenol	2670	2100	79	45 - 110	
2,4-Dichlorophenol	2670	2100	79	45 - 110	
2,4-Dimethylphenol	2670	2090	78	30 - 105	
2,4-Dinitrophenol	5330	3830	72	15 - 130	
2,4-Dinitrotoluene	2670	2280	85	50 - 115	
2,6-Dinitrotoluene	2670	2230	84	50 - 110	
2-Chloronaphthalene	2670	2120	80	45 - 105	
2-Chlorophenol	2670	2010	75	45 - 105	
2-Methylnaphthalene	2670	2110	79	45 - 105	
2-Methylphenol	2670	2010	76	40 - 105	
2-Nitroaniline	2670	2300	86	45 - 120	
2-Nitrophenol	2670	2080	78	40 - 110	
3 & 4 Methylphenol	2670	2070	78	40 - 105	
3,3'-Dichlorobenzidine	2670	1330	50	10 - 130	J
3-Nitroaniline	2670	1660	62	25 - 110	
4,6-Dinitro-2-methylphenol	5330	4780	90	30 - 135	
4-Bromophenyl phenyl ether	2670	2280	85	45 - 115	
4-Chloro-3-methylphenol	2670	2210	83	45 - 115	
4-Chloroaniline	2670	1110	42	10 - 95	
4-Chlorophenyl phenyl ether	2670	2230	84	45 - 110	
4-Nitroaniline	2670	2040	77	35 - 115	
4-Nitrophenol	5330	4250	80	15 - 140	
Acenaphthene	2670	2180	82	45 - 110	
Acenaphthylene	2670	2090	79	45 - 105	
Anthracene	2670	2270	85	55 - 105	
Benzo[a]anthracene	2670	2230	84	50 - 110	
Benzo[a]pyrene	2670	2250	84	50 - 110	
Benzo[b]fluoranthene	2670	2320	87	45 - 115	
Benzo[g,h,i]perylene	2670	2230	84	40 - 125	
Benzo[k]fluoranthene	2670	2290	86	45 - 125	
Benzoic acid	2670	1650	62	10 - 110	
Benzyl alcohol	2670	2010	75	20 - 125	
Bis(2-chloroethoxy)methane	2670	2060	77	45 - 110	
Bis(2-chloroethyl)ether	2670	2070	78	40 - 105	
Bis(2-ethylhexyl) phthalate	2670	2290	86	45 - 125	
Butyl benzyl phthalate	2670	2200	82	50 - 125	
Carbazole	2670	2290	86	45 - 115	
Chrysene	2670	2250	84	55 - 110	
Dibenz(a,h)anthracene	2670	2350	88	40 - 125	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Control Sample - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-200642/2-A	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7640.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	11/20/2013 1342	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibenzofuran	2670	2200	82	50 - 105	
Diethyl phthalate	2670	2270	85	50 - 115	
Dimethyl phthalate	2670	2250	84	50 - 110	
Di-n-butyl phthalate	2670	2330	87	55 - 110	
Di-n-octyl phthalate	2670	2340	88	40 - 130	
Fluoranthene	2670	2370	89	55 - 115	
Fluorene	2670	2210	83	50 - 110	
Hexachlorobenzene	2670	2290	86	45 - 120	
Hexachlorobutadiene	2670	2110	79	40 - 115	
Hexachlorocyclopentadiene	2670	1600	60	35 - 123	J
Hexachloroethane	2670	1950	73	35 - 110	
Indeno[1,2,3-cd]pyrene	2670	2290	86	40 - 120	M
Isophorone	2670	1970	74	45 - 110	
Naphthalene	2670	2100	79	40 - 105	
Nitrobenzene	2670	2030	76	40 - 115	
N-Nitrosodimethylamine	2670	1780	67	20 - 115	
N-Nitrosodi-n-propylamine	2670	2070	78	40 - 115	
N-Nitrosodiphenylamine	2670	2140	80	50 - 115	
Pentachlorophenol	5330	4050	76	25 - 120	
Phenanthrene	2670	2280	86	50 - 110	
Phenol	2670	2010	75	40 - 100	
Pyrene	2670	2230	84	45 - 125	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	82	35 - 125
2-Fluorobiphenyl	81	45 - 105
2-Fluorophenol (Surr)	77	35 - 105
Nitrobenzene-d5 (Surr)	80	35 - 100
Phenol-d5 (Surr)	79	40 - 100
Terphenyl-d14 (Surr)	88	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48651-1	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7642.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.8 g
Analysis Date:	11/20/2013 1437			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48651-1	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7643.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	11/20/2013 1504			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	73	73	45 - 110	1	30		
1,2-Dichlorobenzene	69	66	45 - 95	5	30		
1,2-Diphenylhydrazine	81	82	54 - 120	1	30		
1,3-Dichlorobenzene	69	65	40 - 100	6	30		
1,4-Dichlorobenzene	71	65	35 - 105	9	30		
2,2'-oxybis[1-chloropropane]	72	69	20 - 115	5	30		
2,4,5-Trichlorophenol	82	82	50 - 110	1	30		
2,4,6-Trichlorophenol	80	82	45 - 110	1	30		
2,4-Dichlorophenol	78	80	45 - 110	1	30		
2,4-Dimethylphenol	80	82	30 - 105	2	30		
2,4-Dinitrophenol	83	84	15 - 130	0	30		
2,4-Dinitrotoluene	83	85	50 - 115	2	30		
2,6-Dinitrotoluene	81	85	50 - 110	3	30		
2-Chloronaphthalene	77	79	45 - 105	2	30		
2-Chlorophenol	76	73	45 - 105	4	30		
2-Methylnaphthalene	78	79	45 - 105	1	30		
2-Methylphenol	77	75	40 - 105	3	30		
2-Nitroaniline	85	87	45 - 120	2	30		
2-Nitrophenol	77	79	40 - 110	2	30		
3 & 4 Methylphenol	78	78	40 - 105	0	30		
3,3'-Dichlorobenzidine	56	61	10 - 130	8	30	J	
3-Nitroaniline	71	72	25 - 110	1	30		
4,6-Dinitro-2-methylphenol	92	91	30 - 135	2	30		
4-Bromophenyl phenyl ether	83	85	45 - 115	1	30		
4-Chloro-3-methylphenol	83	86	45 - 115	3	30		
4-Chloroaniline	61	61	10 - 95	0	30		
4-Chlorophenyl phenyl ether	82	82	45 - 110	1	30		
4-Nitroaniline	77	79	35 - 115	1	30		
4-Nitrophenol	82	81	15 - 140	2	30		
Acenaphthene	80	81	45 - 110	1	30		
Acenaphthylene	76	78	45 - 105	1	30		
Anthracene	81	82	55 - 105	0	30		
Benzo[a]anthracene	80	83	50 - 110	3	30		

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48651-1	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7642.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.8 g
Analysis Date:	11/20/2013 1437			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48651-1	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7643.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	11/20/2013 1504			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]pyrene	81	80	50 - 110	1	30		
Benzo[b]fluoranthene	85	85	45 - 115	0	30		
Benzo[g,h,i]perylene	81	78	40 - 125	3	30		
Benzo[k]fluoranthene	86	83	45 - 125	4	30		
Benzoic acid	73	72	10 - 110	2	30		
Benzyl alcohol	75	76	20 - 125	1	30		
Bis(2-chloroethoxy)methane	76	75	45 - 110	2	30		
Bis(2-chloroethyl)ether	76	73	40 - 105	5	30		
Bis(2-ethylhexyl) phthalate	85	88	45 - 125	2	30		
Butyl benzyl phthalate	82	84	50 - 125	2	30		
Carbazole	82	84	45 - 115	1	30		
Chrysene	80	82	55 - 110	2	30		
Dibenz(a,h)anthracene	83	83	40 - 125	1	30		
Dibenzofuran	81	82	50 - 105	1	30		
Diethyl phthalate	84	85	50 - 115	1	30		
Dimethyl phthalate	83	84	50 - 110	0	30		
Di-n-butyl phthalate	85	86	55 - 110	0	30		
Di-n-octyl phthalate	88	90	40 - 130	2	30		
Fluoranthene	85	86	55 - 115	0	30		
Fluorene	81	83	50 - 110	1	30		
Hexachlorobenzene	84	83	45 - 120	2	30		
Hexachlorobutadiene	75	75	40 - 115	0	30		
Hexachlorocyclopentadiene	62	61	35 - 123	2	30	J	J
Hexachloroethane	69	66	35 - 110	5	30		
Indeno[1,2,3-cd]pyrene	82	83	40 - 120	0	30		
Isophorone	72	74	45 - 110	2	30		
Naphthalene	76	78	40 - 105	1	30		
Nitrobenzene	75	73	40 - 115	3	30		
N-Nitrosodimethylamine	66	60	20 - 115	11	30		
N-Nitrosodi-n-propylamine	76	74	40 - 115	3	30		
N-Nitrosodiphenylamine	78	80	50 - 115	2	30		
Pentachlorophenol	82	85	25 - 120	3	30		
Phenanthrene	83	85	50 - 110	1	30		

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48651-1	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7642.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.8 g
Analysis Date:	11/20/2013 1437			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48651-1	Analysis Batch:	280-201912	Instrument ID:	SMS_Y
Client Matrix:	Solid	Prep Batch:	280-200642	Lab File ID:	Y7643.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	11/20/2013 1504			Final Weight/Volume:	1000 uL
Prep Date:	11/12/2013 2154			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	77	76	40 - 100	2	30		
Pyrene	82	83	45 - 125	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	80	84	35 - 125
2-Fluorobiphenyl	79	80	45 - 105
2-Fluorophenol (Surr)	75	73	35 - 105
Nitrobenzene-d5 (Surr)	76	77	35 - 100
Phenol-d5 (Surr)	77	76	40 - 100
Terphenyl-d14 (Surr)	86	86	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48651-1	Units:	ug/Kg	MSD Lab Sample ID:	280-48651-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/20/2013 1437			Analysis Date:	11/20/2013 1504
Prep Date:	11/12/2013 2154			Prep Date:	11/12/2013 2154
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
1,2,4-Trichlorobenzene	38	U	3160	3140	2310		2290
1,2-Dichlorobenzene	38	U	3160	3140	2180		2070
1,2-Diphenylhydrazine	38	U	3190	3170	2600		2610
1,3-Dichlorobenzene	38	U	3160	3140	2160		2040
1,4-Dichlorobenzene	38	U	3160	3140	2230		2030
2,2'-oxybis[1-chloropropane]	38	U	3160	3140	2280		2180
2,4,5-Trichlorophenol	150	U	3160	3140	2580		2560
2,4,6-Trichlorophenol	77	U	3160	3140	2540		2560
2,4-Dichlorophenol	77	U	3160	3140	2470		2510
2,4-Dimethylphenol	150	U	3160	3140	2530		2570
2,4-Dinitrophenol	780	U	6310	6270	5260		5260
2,4-Dinitrotoluene	150	U	3160	3140	2600		2650
2,6-Dinitrotoluene	77	U	3160	3140	2570		2650
2-Chloronaphthalene	38	U	3160	3140	2440		2490
2-Chlorophenol	38	U	3160	3140	2390		2300
2-Methylnaphthalene	38	U	3160	3140	2460		2490
2-Methylphenol	38	U	3160	3140	2420		2350
2-Nitroaniline	77	U	3160	3140	2670		2720
2-Nitrophenol	77	U	3160	3140	2420		2470
3 & 4 Methylphenol	77	U	3160	3140	2460		2460
3,3'-Dichlorobenzidine	380	U	3160	3140	1770	J	1920
3-Nitroaniline	150	U	3160	3140	2250		2260
4,6-Dinitro-2-methylphenol	770	U	6310	6270	5840		5710
4-Bromophenyl phenyl ether	38	U	3160	3140	2620		2650
4-Chloro-3-methylphenol	150	U	3160	3140	2620		2700
4-Chloroaniline	150	U	3160	3140	1920		1920
4-Chlorophenyl phenyl ether	77	U	3160	3140	2590		2570
4-Nitroaniline	150	U	3160	3140	2430		2470
4-Nitrophenol	380	U	6310	6270	5200		5080
Acenaphthene	20	U	3160	3140	2510		2530
Acenaphthylene	38	U	3160	3140	2410		2430
Anthracene	38	U	3160	3140	2560		2570
Benzo[a]anthracene	38	U	3160	3140	2530		2600
Benzo[a]pyrene	38	U	3160	3140	2550		2520
Benzo[b]fluoranthene	38	U	3160	3140	2670		2660
Benzo[g,h,i]perylene	38	U	3160	3140	2540		2460
Benzo[k]fluoranthene	77	U	3160	3140	2700		2600
Benzoic acid	770	U	3160	3140	2310		2260
Benzyl alcohol	38	U	3160	3140	2370		2390
Bis(2-chloroethoxy)methane	77	U	3160	3140	2400		2360
Bis(2-chloroethyl)ether	38	U	3160	3140	2410		2290
Bis(2-ethylhexyl) phthalate	77	U	3160	3140	2690		2740
Butyl benzyl phthalate	77	U	3160	3140	2590		2650

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-200642

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48651-1	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	11/20/2013 1437		
Prep Date:	11/12/2013 2154		
Leach Date:	N/A		

MSD Lab Sample ID:	280-48651-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	11/20/2013 1504
Prep Date:	11/12/2013 2154
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Carbazole	78	U	3160	3140	2600		2630	
Chrysene	38	U	3160	3140	2530		2580	
Dibenz(a,h)anthracene	38	U	3160	3140	2610		2590	
Dibenzofuran	38	U	3160	3140	2540		2560	
Diethyl phthalate	38	U	3160	3140	2640		2660	
Dimethyl phthalate	190	J	3160	3140	2810		2810	
Di-n-butyl phthalate	38	U	3160	3140	2690		2680	
Di-n-octyl phthalate	77	U	3160	3140	2770		2830	
Fluoranthene	77	U	3160	3140	2690		2700	
Fluorene	38	U	3160	3140	2560		2590	
Hexachlorobenzene	77	U	3160	3140	2640		2600	
Hexachlorobutadiene	77	U	3160	3140	2350		2360	
Hexachlorocyclopentadiene	77	U	3160	3140	1940	J	1900	J
Hexachloroethane	38	U	3160	3140	2180		2080	
Indeno[1,2,3-cd]pyrene	38	U	3160	3140	2600		2600	
Isophorone	38	U	3160	3140	2270		2310	
Naphthalene	77	U	3160	3140	2410		2440	
Nitrobenzene	38	U	3160	3140	2380		2300	
N-Nitrosodimethylamine	77	U	3160	3140	2080		1870	
N-Nitrosodi-n-propylamine	77	U	3160	3140	2400		2330	
N-Nitrosodiphenylamine	38	U	3160	3140	2460		2500	
Pentachlorophenol	780	U	6310	6270	5190		5330	
Phenanthrene	38	U	3160	3140	2640		2670	
Phenol	38	U	3160	3140	2420		2370	
Pyrene	38	U	3160	3140	2580		2600	

Method Blank - Batch: 280-198991

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 280-198991/1-A	Analysis Batch:	280-199917	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-198991	Lab File ID:	25A4110713.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 2300	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Arsenic	12	U	4.4	25
Barium	1.5	U	0.58	10
Beryllium	0.50	U	0.47	1.5
Boron	7.0	U	4.4	100
Cadmium	0.80	U	0.45	5.0
Calcium	80	U	35	1000
Chromium	1.5	U Q	0.66	15
Cobalt	2.0	U	1.2	15
Copper	3.5	U	1.4	15
Iron	30	U	22	100
Lead	5.0	U	2.6	15
Magnesium	25	U	11	500
Manganese	0.50	U Q	0.25	10
Molybdenum	7.0	U	3.1	30
Nickel	3.0	U	1.3	40
Potassium	250	U	240	3000
Selenium	12	U	4.9	22
Silver	2.0	U	0.93	15
Thallium	12	U	4.9	40
Vanadium	2.5	U	1.1	15
Zinc	13	U	4.5	150
Strontium	0.50	U Q	0.30	10

Method Blank - Batch: 280-198991

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 280-198991/1-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-198991	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/08/2013 1645	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	31	U	18	300
Sodium	250	U	92	5000

Client: FPM Remediations Inc

Job Number: 280-48651-1

Method Blank - Batch: 280-198991

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 280-198991/1-A	Analysis Batch:	280-201485	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-198991	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/15/2013 2236	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Antimony	8.0	U	3.1	20

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Control Sample - Batch: 280-198991

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 280-198991/2-A	Analysis Batch:	280-199917	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-198991	Lab File ID:	25A4110713.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 2303	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1000	1010	101	80 - 120	
Barium	2000	2210	111	80 - 120	
Beryllium	50.0	50.8	102	80 - 120	
Boron	1000	1020	102	86 - 110	
Cadmium	100	110	110	80 - 120	
Calcium	50000	50000	100	80 - 120	
Chromium	200	202	101	80 - 120	Q
Cobalt	500	525	105	80 - 120	
Copper	250	272	109	80 - 120	
Iron	1000	983	98	80 - 120	
Lead	500	515	103	80 - 120	
Magnesium	50000	49400	99	80 - 120	
Manganese	500	530	106	80 - 120	Q
Molybdenum	1000	972	97	80 - 120	
Nickel	500	504	101	80 - 120	
Potassium	50000	52600	105	80 - 120	
Selenium	2000	2050	102	80 - 120	
Silver	50.0	52.3	105	80 - 120	
Thallium	2000	2100	105	80 - 120	
Vanadium	500	525	105	80 - 120	
Zinc	500	489	98	80 - 120	
Strontium	1000	1070	107	90 - 111	Q

Lab Control Sample - Batch: 280-198991

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 280-198991/2-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-198991	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/08/2013 1647	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	1980	99	80 - 120	
Sodium	50000	54200	108	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Control Sample - Batch: 280-198991

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 280-198991/2-A	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-198991	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2013 1630	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/07/2013 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	500	501	100	80 - 120	

Method Blank - Batch: 280-199600 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/08/2013 1948	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Arsenic	0.93	U	0.61	2.3
Barium	0.17	U	0.070	1.9
Beryllium	0.065	U	0.031	0.46
Cadmium	0.093	U	0.038	0.46
Calcium	19	U	13	93
Chromium	0.14	U	0.054	3.2
Cobalt	0.19	U	0.093	0.93
Copper	0.46	U	0.20	4.6
Iron	4.6	U	3.5	74
Lead	0.74	U	0.25	0.83
Magnesium	4.6	U	3.4	28
Manganese	0.14	U Q	0.093	4.2
Molybdenum	0.46	U	0.24	2.3
Nickel	0.19	U	0.11	3.7
Potassium	46	U	38	280
Selenium	1.1	U	0.80	2.8
Silver	0.19	U	0.15	1.4
Sodium	93	U	55	460
Thallium	1.1	U	0.60	2.8
Vanadium	0.19	U Q	0.087	1.9
Zinc	0.419	J	0.37	7.4
Strontium	0.074	U Q	0.033	1.4

Method Blank - Batch: 280-199600 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/11/2013 1848	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	2.8	U	1.4	46
Boron	0.93	U	0.91	9.3

Client: FPM Remediations Inc

Job Number: 280-48651-1

Method Blank - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/14/2013 1705	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Antimony	0.56	U	0.35	1.9

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/08/2013 1950	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	86.2	82.0	95	80 - 120	
Barium	172	171	99	80 - 120	
Beryllium	4.31	4.19	97	80 - 120	
Cadmium	8.62	8.67	101	80 - 120	
Calcium	4310	4140	96	80 - 120	
Chromium	17.2	16.8	97	80 - 120	
Cobalt	43.1	41.6	96	80 - 120	
Copper	21.6	21.7	100	80 - 120	
Iron	86.2	82.0	95	80 - 120	
Lead	43.1	41.3	96	80 - 120	
Magnesium	4310	4050	94	80 - 120	
Manganese	43.1	41.6	97	80 - 120	Q
Molybdenum	86.2	84.0	97	80 - 120	
Nickel	43.1	41.3	96	80 - 120	
Potassium	4310	4320	100	80 - 120	
Selenium	172	162	94	80 - 120	
Silver	4.31	3.93	91	80 - 120	
Sodium	4310	4480	104	80 - 120	
Thallium	172	165	96	80 - 120	
Vanadium	43.1	42.8	99	80 - 120	Q
Zinc	43.1	41.0	95	80 - 120	
Strontium	86.2	84.8	98	80 - 120	Q

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/11/2013 1851	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	172	167	97	80 - 120	
Boron	86.2	97.0	112	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/14/2013 1707	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	43.1	42.4	98	80 - 120	

Post Digestion Spike - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	280-48651-1	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/08/2013 2001	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1.2	U	23.8	22.6	95	75 - 125	
Barium	20		11.9	31.7	94	75 - 125	
Beryllium	0.25	J	5.96	5.88	94	75 - 125	
Cadmium	0.25	J	5.96	6.00	97	75 - 125	
Calcium	560		2380	2820	95	75 - 125	
Chromium	7.3		5.96	12.9	93	75 - 125	
Cobalt	3.0		5.96	8.61	95	75 - 125	
Copper	5.3	J	5.96	11.2	99	75 - 125	
Iron	8400		119	8260	-91	75 - 125	J
Lead	6.8		11.9	18.0	94	75 - 125	
Magnesium	2400		2380	4560	91	75 - 125	
Manganese	68		5.96	72.3	69	75 - 125	Q J
Molybdenum	0.60	U	5.96	5.58	94	75 - 125	
Nickel	9.8		5.96	15.2	91	75 - 125	
Potassium	900		2380	3230	98	75 - 125	
Selenium	1.4	U	23.8	21.6	91	75 - 125	
Silver	0.24	U	5.96	5.72	96	75 - 125	
Sodium	120	U	2380	2450	103	75 - 125	
Thallium	1.4	U	23.8	22.4	94	75 - 125	
Vanadium	9.5		5.96	15.3	97	75 - 125	Q
Zinc	110		23.8	131	85	75 - 125	
Strontium	2.7		5.96	8.51	97	75 - 125	Q

Post Digestion Spike - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	280-48651-1	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/11/2013 1902	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7800		119	7730	-33	75 - 125	J
Boron	2.2	J	11.9	13.1	91	75 - 125	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Post Digestion Spike - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	280-48651-1	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/14/2013 1718	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.71	U	11.9	11.4	95	75 - 125	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199600

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	280-48651-1	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.14 g
Analysis Date:	11/08/2013 1957			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48651-1	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	11/08/2013 1959			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	92	91	80 - 120	11	20		
Barium	100	99	80 - 120	10	20		
Beryllium	95	94	80 - 120	11	20		
Cadmium	97	96	80 - 120	11	20		
Calcium	92	91	80 - 120	11	20		
Chromium	106	105	80 - 120	8	20		
Cobalt	92	91	80 - 120	11	20		
Copper	98	96	80 - 120	9	20		
Iron	17	-333	80 - 120	5	20	4	4
Lead	87	84	80 - 120	8	20		
Magnesium	97	95	80 - 120	7	20		
Manganese	85	85	80 - 120	5	20	Q	Q
Molybdenum	91	91	80 - 120	12	20		
Nickel	90	89	80 - 120	9	20		
Potassium	121	119	80 - 120	9	20	J	
Selenium	90	89	80 - 120	11	20		
Silver	92	90	80 - 120	10	20		
Sodium	102	100	80 - 120	10	20		
Thallium	89	88	80 - 120	11	20		
Vanadium	111	108	80 - 120	8	20	Q	Q
Strontium	97	96	80 - 120	11	20	Q	Q
Zinc	62	56	80 - 120	0	20	J	J

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199600

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	280-48651-1	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.14 g
Analysis Date:	11/11/2013 1857			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48651-1	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	11/11/2013 1859			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	1652	1645	80 - 120	4	20	4	4
Boron	91	92	80 - 120	13	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199600

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	280-48651-1	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.14 g
Analysis Date:	11/14/2013 1714			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48651-1	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	11/14/2013 1716			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	56	58	80 - 120	15	20	J	J

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199600

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	280-48651-1	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	11/08/2013 1957		
Prep Date:	11/08/2013 0750		
Leach Date:	N/A		

MSD Lab Sample ID:	280-48651-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	11/08/2013 1959
Prep Date:	11/08/2013 0750
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Arsenic	1.2	U	107	120	98.3		110	
Barium	20		213	241	234		259	
Beryllium	0.25	J	5.33	6.02	5.29		5.91	
Cadmium	0.25	J	10.7	12.0	10.5		11.8	
Calcium	560		5330	6020	5450		6060	
Chromium	7.3		21.3	24.1	30.0		32.5	
Cobalt	3.0		53.3	60.2	51.9		57.7	
Copper	5.3	J	26.6	30.1	31.5		34.3	
Iron	8400		107	120	8380	4	7970	4
Lead	6.8		53.3	60.2	53.0		57.5	
Magnesium	2400		5330	6020	7550		8130	
Manganese	68		53.3	60.2	114	Q	119	Q
Molybdenum	0.60	U	107	120	97.3		110	
Nickel	9.8		53.3	60.2	57.9		63.3	
Potassium	900		5330	6020	7360	J	8050	
Selenium	1.4	U	213	241	191		214	
Silver	0.24	U	5.33	6.02	4.89		5.42	
Sodium	120	U	5330	6020	5420		6020	
Thallium	1.4	U	213	241	190		213	
Vanadium	9.5		53.3	60.2	68.6	Q	74.6	Q
Strontium	2.7		107	120	106	Q	118	Q
Zinc	110		53.3	60.2	143	J	144	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199600

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	280-48651-1	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	11/11/2013 1857		
Prep Date:	11/08/2013 0750		
Leach Date:	N/A		

MSD Lab Sample ID:	280-48651-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	11/11/2013 1859
Prep Date:	11/08/2013 0750
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	7800		213	241	11300	4	11700	4
Boron	2.2	J	107	120	99.5		113	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199600

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	280-48651-1	Units: mg/Kg	MSD Lab Sample ID:	280-48651-1	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	11/14/2013 1714		Analysis Date:	11/14/2013 1716	
Prep Date:	11/08/2013 0750		Prep Date:	11/08/2013 0750	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Antimony	0.71	U	53.3	60.2	29.7	J	34.7	J

Client: FPM Remediations Inc

Job Number: 280-48651-1

Serial Dilution - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	280-48651-1	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/08/2013 1955	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	1.2	U	6.0	NC	10	U
Barium	20		21.2	3.8	10	D
Beryllium	0.25	J	0.292	NC	10	J D
Cadmium	0.25	J	0.447	NC	10	J D
Calcium	560		599	NC	10	J D
Chromium	7.3		7.53	3.1	10	J D
Cobalt	3.0		3.06	NC	10	J D
Copper	5.3	J	5.47	NC	10	J D
Iron	8400		8120	3.0	10	D
Lead	6.8		7.71	NC	10	D
Magnesium	2400		2440	2.1	10	D
Manganese	68		69.9	2.4	10	Q D
Molybdenum	0.60	U	3.0	NC	10	U
Nickel	9.8		10.2	3.7	10	J D
Potassium	900		924	NC	10	J D
Selenium	1.4	U	7.1	NC	10	U
Silver	0.24	U	1.2	NC	10	U
Sodium	120	U	600	NC	10	U
Thallium	1.4	U	7.1	NC	10	U
Vanadium	9.5		9.66	1.7	10	J Q D
Zinc	110		116	4.8	10	D
Strontium	2.7		2.87	5.4	10	J Q D

Serial Dilution - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	280-48651-1	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/11/2013 1855	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	7800		8040	3.5	10	D
Boron	2.2	J	6.0	NC	10	U

Client: FPM Remediations Inc

Job Number: 280-48651-1

Serial Dilution - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	280-48651-1	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/14/2013 1712	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	0.71	U	3.6	NC	10	U

Client: FPM Remediations Inc

Job Number: 280-48651-1

Method Blank - Batch: 280-198955

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-198955/1-A	Analysis Batch:	280-200323	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-198955	Lab File ID:	131108taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/08/2013 1804	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/08/2013 1330				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.080	U	0.027	0.20

Lab Control Sample - Batch: 280-198955

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 280-198955/2-A	Analysis Batch:	280-200323	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-198955	Lab File ID:	131108taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/08/2013 1806	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/08/2013 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.92	98	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-48651-1

Method Blank - Batch: 280-199719

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 280-199719/1-A	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1850	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	14	U	5.7	18

Lab Control Sample - Batch: 280-199719

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 280-199719/2-A	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1920	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	431	376	87	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199719

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	280-48651-5	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.56 g
Analysis Date:	11/13/2013 1915			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48651-5	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.54 g
Analysis Date:	11/13/2013 1918			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	107	102	80 - 120	1	20		

Client: FPM Remediations Inc

Job Number: 280-48651-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-199719

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	280-48651-5	Units: ug/Kg	MSD Lab Sample ID:	280-48651-5	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	11/13/2013 1915		Analysis Date:	11/13/2013 1918	
Prep Date:	11/13/2013 1500		Prep Date:	11/13/2013 1500	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	9.3	J	580	602	633	624

Serial Dilution - Batch: 280-199719

Method: 7471B
Preparation: 7471B

Lab Sample ID:	280-48651-5	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	.57 g
Analysis Date:	11/13/2013 1913	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	9.3	J	91	NC	10	U

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-48651-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-48651-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-199334					
LCS 280-199334/2-A	Lab Control Sample	T	Water	3520C	
LCSD 280-199334/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 280-199334/1-A	Method Blank	T	Water	3520C	
280-48651-6	AOI474SW0102AA	T	Water	3520C	
280-48651-7	103013AE	T	Water	3520C	
Prep Batch: 280-200642					
LCS 280-200642/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-200642/1-A	Method Blank	T	Solid	3550C	
280-48651-1	AOI474NW0102AA	T	Solid	3550C	
280-48651-1MS	Matrix Spike	T	Solid	3550C	
280-48651-1MSD	Matrix Spike Duplicate	T	Solid	3550C	
280-48651-2	AOI474SW0102AA	T	Solid	3550C	
280-48651-3	AOI474WW0102AA	T	Solid	3550C	
280-48651-4	AOI474EW0102AA	T	Solid	3550C	
280-48651-5	AOI474BT0103AA	T	Solid	3550C	
Analysis Batch:280-201071					
LCS 280-199334/2-A	Lab Control Sample	T	Water	8270D/DoD	280-199334
LCSD 280-199334/3-A	Lab Control Sample Duplicate	T	Water	8270D/DoD	280-199334
MB 280-199334/1-A	Method Blank	T	Water	8270D/DoD	280-199334
280-48651-6	AOI474SW0102AA	T	Water	8270D/DoD	280-199334
280-48651-7	103013AE	T	Water	8270D/DoD	280-199334
Analysis Batch:280-201912					
LCS 280-200642/2-A	Lab Control Sample	T	Solid	8270D/DoD	280-200642
MB 280-200642/1-A	Method Blank	T	Solid	8270D/DoD	280-200642
280-48651-1	AOI474NW0102AA	T	Solid	8270D/DoD	280-200642
280-48651-1MS	Matrix Spike	T	Solid	8270D/DoD	280-200642
280-48651-1MSD	Matrix Spike Duplicate	T	Solid	8270D/DoD	280-200642
280-48651-2	AOI474SW0102AA	T	Solid	8270D/DoD	280-200642
280-48651-3	AOI474WW0102AA	T	Solid	8270D/DoD	280-200642
280-48651-4	AOI474EW0102AA	T	Solid	8270D/DoD	280-200642
280-48651-5	AOI474BT0103AA	T	Solid	8270D/DoD	280-200642

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-48651-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-198955					
LCS 280-198955/2-A	Lab Control Sample	T	Water	7470A	
MB 280-198955/1-A	Method Blank	T	Water	7470A	
280-48651-6	AOI474SW0102AA	T	Water	7470A	
280-48651-7	103013AE	T	Water	7470A	
Prep Batch: 280-198991					
LCS 280-198991/2-A	Lab Control Sample	T	Water	3010A	
MB 280-198991/1-A	Method Blank	T	Water	3010A	
280-48651-6	AOI474SW0102AA	T	Water	3010A	
280-48651-7	103013AE	T	Water	3010A	
Prep Batch: 280-199600					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-199600/1-A	Method Blank	T	Solid	3050B	
280-48651-1	AOI474NW0102AA	T	Solid	3050B	
280-48651-1MS	Matrix Spike	T	Solid	3050B	
280-48651-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
280-48651-2	AOI474SW0102AA	T	Solid	3050B	
280-48651-3	AOI474WW0102AA	T	Solid	3050B	
280-48651-4	AOI474EW0102AA	T	Solid	3050B	
280-48651-5	AOI474BT0103AA	T	Solid	3050B	
Prep Batch: 280-199719					
LCS 280-199719/2-A	Lab Control Sample	T	Solid	7471B	
MB 280-199719/1-A	Method Blank	T	Solid	7471B	
280-48651-1	AOI474NW0102AA	T	Solid	7471B	
280-48651-2	AOI474SW0102AA	T	Solid	7471B	
280-48651-3	AOI474WW0102AA	T	Solid	7471B	
280-48651-4	AOI474EW0102AA	T	Solid	7471B	
280-48651-5	AOI474BT0103AA	T	Solid	7471B	
280-48651-5MS	Matrix Spike	T	Solid	7471B	
280-48651-5MSD	Matrix Spike Duplicate	T	Solid	7471B	
Analysis Batch:280-199917					
LCS 280-198991/2-A	Lab Control Sample	T	Water	6010C	280-198991
MB 280-198991/1-A	Method Blank	T	Water	6010C	280-198991
280-48651-6	AOI474SW0102AA	T	Water	6010C	280-198991
280-48651-7	103013AE	T	Water	6010C	280-198991

Client: FPM Remediations Inc

Job Number: 280-48651-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-200251					
LCS 280-198991/2-A	Lab Control Sample	T	Water	6010C	280-198991
MB 280-198991/1-A	Method Blank	T	Water	6010C	280-198991
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48651-1	AOI474NW0102AA	T	Solid	6010C	280-199600
280-48651-1MS	Matrix Spike	T	Solid	6010C	280-199600
280-48651-1MSD	Matrix Spike Duplicate	T	Solid	6010C	280-199600
280-48651-2	AOI474SW0102AA	T	Solid	6010C	280-199600
280-48651-3	AOI474WW0102AA	T	Solid	6010C	280-199600
280-48651-4	AOI474EW0102AA	T	Solid	6010C	280-199600
280-48651-5	AOI474BT0103AA	T	Solid	6010C	280-199600
280-48651-6	AOI474SW0102AA	T	Water	6010C	280-198991
280-48651-7	103013AE	T	Water	6010C	280-198991
Analysis Batch:280-200323					
LCS 280-198955/2-A	Lab Control Sample	T	Water	7470A	280-198955
MB 280-198955/1-A	Method Blank	T	Water	7470A	280-198955
280-48651-6	AOI474SW0102AA	T	Water	7470A	280-198955
280-48651-7	103013AE	T	Water	7470A	280-198955
Analysis Batch:280-200481					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48651-1	AOI474NW0102AA	T	Solid	6010C	280-199600
280-48651-1MS	Matrix Spike	T	Solid	6010C	280-199600
280-48651-1MSD	Matrix Spike Duplicate	T	Solid	6010C	280-199600
280-48651-2	AOI474SW0102AA	T	Solid	6010C	280-199600
280-48651-3	AOI474WW0102AA	T	Solid	6010C	280-199600
280-48651-4	AOI474EW0102AA	T	Solid	6010C	280-199600
280-48651-5	AOI474BT0103AA	T	Solid	6010C	280-199600
Analysis Batch:280-200988					
LCS 280-199719/2-A	Lab Control Sample	T	Solid	7471B	280-199719
MB 280-199719/1-A	Method Blank	T	Solid	7471B	280-199719
280-48651-1	AOI474NW0102AA	T	Solid	7471B	280-199719
280-48651-2	AOI474SW0102AA	T	Solid	7471B	280-199719
280-48651-3	AOI474WW0102AA	T	Solid	7471B	280-199719
280-48651-4	AOI474EW0102AA	T	Solid	7471B	280-199719
280-48651-5	AOI474BT0103AA	T	Solid	7471B	280-199719
280-48651-5MS	Matrix Spike	T	Solid	7471B	280-199719
280-48651-5MSD	Matrix Spike Duplicate	T	Solid	7471B	280-199719

Client: FPM Remediations Inc

Job Number: 280-48651-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-201175					
LCS 280-198991/2-A	Lab Control Sample	T	Water	6010C	280-198991
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48651-1	AOI474NW0102AA	T	Solid	6010C	280-199600
280-48651-1MS	Matrix Spike	T	Solid	6010C	280-199600
280-48651-1MSD	Matrix Spike Duplicate	T	Solid	6010C	280-199600
280-48651-2	AOI474SW0102AA	T	Solid	6010C	280-199600
280-48651-3	AOI474WW0102AA	T	Solid	6010C	280-199600
280-48651-4	AOI474EW0102AA	T	Solid	6010C	280-199600
280-48651-5	AOI474BT0103AA	T	Solid	6010C	280-199600
280-48651-6	AOI474SW0102AA	T	Water	6010C	280-198991
280-48651-7	103013AE	T	Water	6010C	280-198991
Analysis Batch:280-201485					
MB 280-198991/1-A	Method Blank	T	Water	6010C	280-198991

Report Basis
T = Total

General Chemistry					
Analysis Batch:280-199192					
280-48651-1	AOI474NW0102AA	T	Solid	Moisture	
280-48651-2	AOI474SW0102AA	T	Solid	Moisture	
280-48651-3	AOI474WW0102AA	T	Solid	Moisture	
280-48651-4	AOI474EW0102AA	T	Solid	Moisture	
280-48651-5	AOI474BT0103AA	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Chronicle

Lab ID: 280-48651-1 **Client ID:** AOI474NW0102AA

Sample Date/Time: 10/30/2013 11:00 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-48651-A-1-E		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	280-48651-A-1-E		280-201912	280-200642	11/20/2013 14:09	1	TAL DEN	MGH
P:3050B	280-48651-A-1-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-A		280-200251	280-199600	11/08/2013 19:53	1	TAL DEN	JKH
P:3050B	280-48651-A-1-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-A		280-200481	280-199600	11/11/2013 18:53	1	TAL DEN	JKH
P:3050B	280-48651-A-1-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-A		280-201175	280-199600	11/14/2013 17:09	1	TAL DEN	JKH
P:7471B	280-48651-A-1-D		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48651-A-1-D		280-200988	280-199719	11/13/2013 18:57	1	TAL DEN	JM
A:Moisture	280-48651-A-1		280-199192		11/04/2013 13:32	1	TAL DEN	BAN

Lab ID: 280-48651-1 MS **Client ID:** AOI474NW0102AA

Sample Date/Time: 10/30/2013 11:00 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-48651-A-1-F MS		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	280-48651-A-1-F MS		280-201912	280-200642	11/20/2013 14:37	1	TAL DEN	MGH
P:3050B	280-48651-A-1-B MS		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-B MS		280-200251	280-199600	11/08/2013 19:57	1	TAL DEN	JKH
P:3050B	280-48651-A-1-B MS		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-B MS		280-200481	280-199600	11/11/2013 18:57	1	TAL DEN	JKH
P:3050B	280-48651-A-1-B MS		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-B MS		280-201175	280-199600	11/14/2013 17:14	1	TAL DEN	JKH

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Chronicle

Lab ID: 280-48651-1 MSD **Client ID:** AOI474NW0102AA

Sample Date/Time: 10/30/2013 11:00 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-48651-A-1-G MSD		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	280-48651-A-1-G MSD		280-201912	280-200642	11/20/2013 15:04	1	TAL DEN	MGH
P:3050B	280-48651-A-1-C MSD		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-C MSD		280-200251	280-199600	11/08/2013 19:59	1	TAL DEN	JKH
P:3050B	280-48651-A-1-C MSD		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-C MSD		280-200481	280-199600	11/11/2013 18:59	1	TAL DEN	JKH
P:3050B	280-48651-A-1-C MSD		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-C MSD		280-201175	280-199600	11/14/2013 17:16	1	TAL DEN	JKH

Lab ID: 280-48651-1 SD **Client ID:** AOI474NW0102AA

Sample Date/Time: 10/30/2013 11:00 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	280-48651-A-1-A SD ^5		280-200251	280-199600	11/08/2013 07:50	5	TAL DEN	CRR
A:6010C	280-48651-A-1-A SD ^5		280-200251	280-199600	11/08/2013 19:55	5	TAL DEN	JKH
P:3050B	280-48651-A-1-A PDS		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-A PDS		280-200251	280-199600	11/08/2013 20:01	1	TAL DEN	JKH
P:3050B	280-48651-A-1-A SD ^5		280-200481	280-199600	11/08/2013 07:50	5	TAL DEN	CRR
A:6010C	280-48651-A-1-A SD ^5		280-200481	280-199600	11/11/2013 18:55	5	TAL DEN	JKH
P:3050B	280-48651-A-1-A PDS		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-A PDS		280-200481	280-199600	11/11/2013 19:02	1	TAL DEN	JKH
P:3050B	280-48651-A-1-A SD ^5		280-201175	280-199600	11/08/2013 07:50	5	TAL DEN	CRR
A:6010C	280-48651-A-1-A SD ^5		280-201175	280-199600	11/14/2013 17:12	5	TAL DEN	JKH
P:3050B	280-48651-A-1-A PDS		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-1-A PDS		280-201175	280-199600	11/14/2013 17:18	1	TAL DEN	JKH

Client: FPM Remediations Inc Job Number: 280-48651-1

Laboratory Chronicle

Lab ID: 280-48651-2 **Client ID: AOI474SW0102AA**

Sample Date/Time: 10/30/2013 11:05 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-48651-A-2-C		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	280-48651-A-2-C		280-201912	280-200642	11/20/2013 19:11	1	TAL DEN	MGH
P:3050B	280-48651-A-2-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-2-A		280-200251	280-199600	11/08/2013 20:12	1	TAL DEN	JKH
P:3050B	280-48651-A-2-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-2-A		280-200481	280-199600	11/11/2013 19:13	1	TAL DEN	JKH
P:3050B	280-48651-A-2-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-2-A		280-201175	280-199600	11/14/2013 17:39	1	TAL DEN	JKH
P:7471B	280-48651-A-2-B		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48651-A-2-B		280-200988	280-199719	11/13/2013 18:59	1	TAL DEN	JM
A:Moisture	280-48651-A-2		280-199192		11/04/2013 13:32	1	TAL DEN	BAN

Lab ID: 280-48651-3 **Client ID: AOI474WW0102AA**

Sample Date/Time: 10/30/2013 11:25 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-48651-A-3-C		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	280-48651-A-3-C		280-201912	280-200642	11/20/2013 19:38	1	TAL DEN	MGH
P:3050B	280-48651-A-3-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-3-A		280-200251	280-199600	11/08/2013 20:15	1	TAL DEN	JKH
P:3050B	280-48651-A-3-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-3-A		280-200481	280-199600	11/11/2013 19:15	1	TAL DEN	JKH
P:3050B	280-48651-A-3-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-3-A		280-201175	280-199600	11/14/2013 17:42	1	TAL DEN	JKH
P:7471B	280-48651-A-3-B		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48651-A-3-B		280-200988	280-199719	11/13/2013 19:01	1	TAL DEN	JM
A:Moisture	280-48651-A-3		280-199192		11/04/2013 13:32	1	TAL DEN	BAN

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Chronicle

Lab ID: 280-48651-4 **Client ID:** AOI474EW0102AA

Sample Date/Time: 10/30/2013 11:35 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-48651-A-4-C		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	280-48651-A-4-C		280-201912	280-200642	11/20/2013 20:05	1	TAL DEN	MGH
P:3050B	280-48651-A-4-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-4-A		280-200251	280-199600	11/08/2013 20:17	1	TAL DEN	JKH
P:3050B	280-48651-A-4-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-4-A		280-200481	280-199600	11/11/2013 19:17	1	TAL DEN	JKH
P:3050B	280-48651-A-4-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-4-A		280-201175	280-199600	11/14/2013 17:44	1	TAL DEN	JKH
P:7471B	280-48651-A-4-B		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48651-A-4-B		280-200988	280-199719	11/13/2013 19:04	1	TAL DEN	JM
A:Moisture	280-48651-A-4		280-199192		11/04/2013 13:32	1	TAL DEN	BAN

Lab ID: 280-48651-5 **Client ID:** AOI474BT0103AA

Sample Date/Time: 10/30/2013 11:45 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-48651-A-5-E		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	280-48651-A-5-E		280-201912	280-200642	11/20/2013 20:33	1	TAL DEN	MGH
P:3050B	280-48651-A-5-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-5-A		280-200251	280-199600	11/08/2013 20:19	1	TAL DEN	JKH
P:3050B	280-48651-A-5-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-5-A		280-200481	280-199600	11/11/2013 19:20	1	TAL DEN	JKH
P:3050B	280-48651-A-5-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48651-A-5-A		280-201175	280-199600	11/14/2013 17:46	1	TAL DEN	JKH
P:7471B	280-48651-A-5-B		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48651-A-5-B		280-200988	280-199719	11/13/2013 19:10	1	TAL DEN	JM
A:Moisture	280-48651-A-5		280-199192		11/04/2013 13:32	1	TAL DEN	BAN

Lab ID: 280-48651-5 MS **Client ID:** AOI474BT0103AA

Sample Date/Time: 10/30/2013 11:45 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	280-48651-A-5-C MS		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48651-A-5-C MS		280-200988	280-199719	11/13/2013 19:15	1	TAL DEN	JM

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Chronicle

Lab ID: 280-48651-5 MSD **Client ID:** AOI474BT0103AA

Sample Date/Time: 10/30/2013 11:45 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	280-48651-A-5-D MSD		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48651-A-5-D MSD		280-200988	280-199719	11/13/2013 19:18	1	TAL DEN	JM

Lab ID: 280-48651-5 SD **Client ID:** AOI474BT0103AA

Sample Date/Time: 10/30/2013 11:45 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	280-48651-A-5-B SD ^5		280-200988	280-199719	11/13/2013 15:00	5	TAL DEN	JM
A:7471B	280-48651-A-5-B SD ^5		280-200988	280-199719	11/13/2013 19:13	5	TAL DEN	JM

Lab ID: 280-48651-6 **Client ID:** AOI474SW0102AA

Sample Date/Time: 10/30/2013 11:55 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	280-48651-A-6-A		280-201071	280-199334	11/05/2013 13:46	1	TAL DEN	JJW
A:8270D/DoD	280-48651-A-6-A		280-201071	280-199334	11/14/2013 16:24	1	TAL DEN	TLW
P:3010A	280-48651-B-6-C		280-199917	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	280-48651-B-6-C		280-199917	280-198991	11/07/2013 23:45	1	TAL DEN	JKH
P:3010A	280-48651-B-6-C		280-200251	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	280-48651-B-6-C		280-200251	280-198991	11/08/2013 16:52	1	TAL DEN	JKH
P:3010A	280-48651-B-6-C		280-201175	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	280-48651-B-6-C		280-201175	280-198991	11/14/2013 16:43	1	TAL DEN	JKH
P:7470A	280-48651-B-6-B		280-200323	280-198955	11/08/2013 13:30	1	TAL DEN	JM
A:7470A	280-48651-B-6-B		280-200323	280-198955	11/08/2013 18:55	1	TAL DEN	JM

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Chronicle

Lab ID: 280-48651-7 **Client ID:** 103013AE

Sample Date/Time: 10/30/2013 14:15 Received Date/Time: 10/31/2013 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	280-48651-A-7-A		280-201071	280-199334	11/05/2013 13:46	1	TAL DEN	JJW
A:8270D/DoD	280-48651-A-7-A		280-201071	280-199334	11/14/2013 16:51	1	TAL DEN	TLW
P:3010A	280-48651-B-7-C		280-199917	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	280-48651-B-7-C		280-199917	280-198991	11/07/2013 23:47	1	TAL DEN	JKH
P:3010A	280-48651-B-7-C		280-200251	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	280-48651-B-7-C		280-200251	280-198991	11/08/2013 16:54	1	TAL DEN	JKH
P:3010A	280-48651-B-7-C		280-201175	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	280-48651-B-7-C		280-201175	280-198991	11/14/2013 16:46	1	TAL DEN	JKH
P:7470A	280-48651-B-7-B		280-200323	280-198955	11/08/2013 13:30	1	TAL DEN	JM
A:7470A	280-48651-B-7-B		280-200323	280-198955	11/08/2013 18:57	1	TAL DEN	JM

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	MB 280-199334/1-A		280-201071	280-199334	11/05/2013 13:46	1	TAL DEN	JJW
A:8270D/DoD	MB 280-199334/1-A		280-201071	280-199334	11/14/2013 14:34	1	TAL DEN	TLW
P:3550C	MB 280-200642/1-A		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	MB 280-200642/1-A		280-201912	280-200642	11/20/2013 13:14	1	TAL DEN	MGH
P:3010A	MB 280-198991/1-A		280-199917	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	MB 280-198991/1-A		280-199917	280-198991	11/07/2013 23:00	1	TAL DEN	JKH
P:3010A	MB 280-198991/1-A		280-200251	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	MB 280-198991/1-A		280-200251	280-198991	11/08/2013 16:45	1	TAL DEN	JKH
P:3050B	MB 280-199600/1-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-200251	280-199600	11/08/2013 19:48	1	TAL DEN	JKH
P:3050B	MB 280-199600/1-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-200481	280-199600	11/11/2013 18:48	1	TAL DEN	JKH
P:3050B	MB 280-199600/1-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-201175	280-199600	11/14/2013 17:05	1	TAL DEN	JKH
P:3010A	MB 280-198991/1-A		280-201485	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	MB 280-198991/1-A		280-201485	280-198991	11/15/2013 22:36	1	TAL DEN	JKH
P:7470A	MB 280-198955/1-A		280-200323	280-198955	11/08/2013 13:30	1	TAL DEN	JM
A:7470A	MB 280-198955/1-A		280-200323	280-198955	11/08/2013 18:04	1	TAL DEN	JM
P:7471B	MB 280-199719/1-A		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	MB 280-199719/1-A		280-200988	280-199719	11/13/2013 18:50	1	TAL DEN	JM

Client: FPM Remediations Inc

Job Number: 280-48651-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	LCS 280-199334/2-A		280-201071	280-199334	11/05/2013 13:46	1	TAL DEN	JJW
A:8270D/DoD	LCS 280-199334/2-A		280-201071	280-199334	11/14/2013 15:02	1	TAL DEN	TLW
P:3550C	LCS 280-200642/2-A		280-201912	280-200642	11/12/2013 21:54	1	TAL DEN	EJP
A:8270D/DoD	LCS 280-200642/2-A		280-201912	280-200642	11/20/2013 13:42	1	TAL DEN	MGH
P:3010A	LCS 280-198991/2-A		280-199917	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	LCS 280-198991/2-A		280-199917	280-198991	11/07/2013 23:03	1	TAL DEN	JKH
P:3010A	LCS 280-198991/2-A		280-200251	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	LCS 280-198991/2-A		280-200251	280-198991	11/08/2013 16:47	1	TAL DEN	JKH
P:3050B	LCS 280-199600/2-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-200251	280-199600	11/08/2013 19:50	1	TAL DEN	JKH
P:3050B	LCS 280-199600/2-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-200481	280-199600	11/11/2013 18:51	1	TAL DEN	JKH
P:3010A	LCS 280-198991/2-A		280-201175	280-198991	11/07/2013 07:30	1	TAL DEN	JAM
A:6010C	LCS 280-198991/2-A		280-201175	280-198991	11/14/2013 16:30	1	TAL DEN	JKH
P:3050B	LCS 280-199600/2-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-201175	280-199600	11/14/2013 17:07	1	TAL DEN	JKH
P:7470A	LCS 280-198955/2-A		280-200323	280-198955	11/08/2013 13:30	1	TAL DEN	JM
A:7470A	LCS 280-198955/2-A		280-200323	280-198955	11/08/2013 18:06	1	TAL DEN	JM
P:7471B	LCS 280-199719/2-A		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	LCS 280-199719/2-A		280-200988	280-199719	11/13/2013 19:20	1	TAL DEN	JM

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	LCSD 280-199334/3-A		280-201071	280-199334	11/05/2013 13:46	1	TAL DEN	JJW
A:8270D/DoD	LCSD 280-199334/3-A		280-201071	280-199334	11/14/2013 15:29	1	TAL DEN	TLW

Lab References:

TAL DEN = TestAmerica Denver

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270_LCS_Main_00004	08/31/14	09/13/13	P&T Methanol, Lot MethanolP&T_00069	250 mL	MS-567672_00015	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00016	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00017	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	80 ug/mL
					MS-567672_00018	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567674_00008	5 mL	Benzoic acid	80 ug/mL
					MS-567674_00009	5 mL	Benzoic acid	80 ug/mL
					MS-567676_00008	5 mL	N-Nitrosodiphenylamine	80 ug/mL
					MS-567676_00009	5 mL	N-Nitrosodiphenylamine	80 ug/mL
.MS-567672_00015	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00016	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00017	08/31/14	Restek, Lot A093709			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00018	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567674_00008	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-567674_00009	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-567676_00008	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-567676_00009	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
8270_LCS_Main_00005	08/31/14	10/11/13	P&T Methanol, Lot MethanolP&T_00071	250 mL	MS-567672_00020	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00021	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00022	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00023	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567674_00010	5 mL	Benzoic acid	80 ug/mL
					MS-567674_00011	5 mL	Benzoic acid	80 ug/mL
					MS-567676_00010	5 mL	N-Nitrosodiphenylamine	80 ug/mL
					MS-567676_00011	5 mL	N-Nitrosodiphenylamine	80 ug/mL
.MS-567672_00020	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00021	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00022	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00023	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567674_00010	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-567674_00011	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-567676_00010	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-567676_00011	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
8270_LCS_Supp_00026	11/11/13	11/04/13	P&T Methanol, Lot MethanolP&T_00072	50 mL	MS-567673_00007	2 mL	3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
.MS-567673_00007	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
8270_LCS_Supp_00027	11/17/13	11/10/13	P&T Methanol, Lot MethanolP&T_00074	50 mL	MS-567673_00007	2 mL	3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
.MS-567673_00007	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
8270Surrogate_00064	09/26/14	09/26/13	ACETONE, Lot Acetone_00070	1000 mL	8270SurStkHL_00012	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00018	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00026	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00027	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.8270SurStkHL_00012	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00018	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00026	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00027	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
Alt Ba Fe Zn_00001	03/01/14	11/08/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Ba_00007	0.01 mL	Barium	0.01 ppm
					1000 Zn_00006	0.02 mL	Zinc	0.02 ppm
					10000 Fe_00009	0.005 mL	Iron	0.05 ppm
.1000 Ba_00007	04/01/14		Inorganic Ventures, Lot F2-BA02076		(Purchased Reagent)		Barium	1000 mg/L
.1000 Zn_00006	04/01/14		Inorganic Ventures, Lot F2-ZN02075		(Purchased Reagent)		Zinc	1000 mg/L
.10000 Fe_00009	08/01/14		Inorganic Ventures, Lot F2-FE04019		(Purchased Reagent)		Iron	10000 mg/L
Alt Pb Sb Se_00008	04/01/14	11/07/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Pb_00012	0.009 mL	Lead	0.009 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					1000 Se_00007	0.015 mL	Selenium	0.015 ppm
.1000 Pb_00012	06/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
.1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
Alt Se_00058	03/01/14	11/14/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Se_00007	0.02 mL	Selenium	0.02 ppm
.1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
Hg Daily Spk_00940	11/09/13	11/08/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Daily Spk_00943	11/14/13	11/13/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg H20 ICV_00622	11/09/13	11/08/13	1% HNO3, Lot K23022	100 mL	Hg Biwk ICV_00120	1 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00120	11/18/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00005	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00005	03/27/14	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
Hg H2O CCV_00609	11/09/13	11/08/13	1% HNO3, Lot K23022	100 mL	Hg Daily Spk_00940	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00940	11/09/13	11/08/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Soil CCV_00493	11/14/13	11/13/13	1% HNO3, Lot K14036	50 mL	Hg Daily Spk_00943	2.5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00943	11/14/13	11/13/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Soil ICV_00098	11/14/13	11/13/13	1% HNO3, Lot K23022	50 mL	Hg Biwk ICV_00120	0.5 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00120	11/18/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00005	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00005	03/27/14	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
ICP CCVH_00290	01/01/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00198	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00198	01/01/14	11/05/13	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00008	10 mL	Aluminum	100 mg/L
					10000 Fe_00009	10 mL	Iron	100 mg/L
					10000 Na_00027	50 mL	Sodium	500 mg/L
..10000 Al_00008	01/01/14	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00027	09/01/14	Inorganic Ventures, Lot F2-NA03103			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVH_00292	01/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00199	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00199	01/01/14	11/11/13	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00008	10 mL	Aluminum	100 mg/L
					10000 Fe_00009	10 mL	Iron	100 mg/L
					10000 Na_00027	50 mL	Sodium	500 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..10000 Al_00008	01/01/14	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00027	09/01/14	Inorganic Ventures, Lot F2-NA03103			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVH_00293	01/01/14	11/14/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00200	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00200	01/01/14	11/14/13	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00009	10 mL	Aluminum	100 mg/L
					10000 Fe_00009	10 mL	Iron	100 mg/L
					10000 Na_00027	50 mL	Sodium	500 mg/L
..10000 Al_00009	12/01/14	Inorganic Ventures, Lot G2-AL04137			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00027	09/01/14	Inorganic Ventures, Lot F2-NA03103			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVL_00346	02/28/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00329	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00329	03/01/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Sb_00008	1 mL	Antimony	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					1000 Tl_00007	1 mL	Thallium	2 mg/L
					Icp cal std 2_00007	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00007	5 mL	Aluminum	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00008	05/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00007	08/01/14	Inorganic Ventures, Lot E2-TL01124			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485102			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP CCVL_00347	02/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00330	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00330	03/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Sb_00008	1 mL	Antimony	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					1000 Tl_00007	1 mL	Thallium	2 mg/L
					Icp cal std 2_00007	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00007	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00008	05/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00007	08/01/14	Inorganic Ventures, Lot E2-TL01124			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485102			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP ICSA_00078	02/01/14	10/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSA_00079	02/01/14	10/28/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSAB_00074	12/30/13	11/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	1000 Zr_00005	0.25 mL	Zr	1 mg/L
					10000 Si_00008	0.25 mL	Si	10 mg/L
							SiO2	21.4 mg/L
					10000 Th_00004	0.05 mL	Th	2 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ANALYTES B_00006	2.5 mL	Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Lead	1 mg/L
							Manganese	0.5 mg/L
							Nickel	1 mg/L
							Silver	1 mg/L
							Vanadium	0.5 mg/L
							Zinc	1 mg/L
					ICP ISAB 1B_00005	2.5 mL	Thallium	10 mg/L
					ICP ISAB STD1_00005	2.5 mL	Antimony	1 mg/L
							Arsenic	2 mg/L
							Boron	2 mg/L
							Li	1 mg/L
							Molybdenum	1 mg/L
							P	2 mg/L
							Potassium	50 mg/L
							Selenium	5 mg/L
							Sodium	50 mg/L
							Strontium	1 mg/L
					ICP ISAB STD2_00005	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.1000 Zr_00005	04/01/14		Spex, Lot F2-ZR01094		(Purchased Reagent)		Zr	1000 mg/L
.10000 Si_00008	04/01/14		Inorganic ventures, Lot F2-SI03018		(Purchased Reagent)		Si	10000 mg/L
							SiO2	21400 mg/L
.10000 Th_00004	01/01/14		Inorganic Ventures, Lot D2-TH01080		(Purchased Reagent)		Th	10000 mg/L
.ANALYTES B_00006	12/30/13		SPEX, Lot 7-166YPY		(Purchased Reagent)		Barium	50 mg/L
							Beryllium	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Cobalt	50 mg/L
							Copper	50 mg/L
							Lead	100 mg/L
							Manganese	50 mg/L
							Nickel	100 mg/L
							Silver	100 mg/L
							Vanadium	50 mg/L
							Zinc	100 mg/L
.ICP ISAB 1B_00005	04/11/14		High Purity, Lot 1309814		(Purchased Reagent)		Thallium	1000 mg/L
.ICP ISAB STD1_00005	04/11/14		High Purity, Lot 1309813		(Purchased Reagent)		Antimony	100 mg/L
							Arsenic	200 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Boron	200 mg/L
							Li	100 mg/L
							Molybdenum	100 mg/L
							P	200 mg/L
							Potassium	5000 mg/L
							Selenium	500 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
.ICP ISAB STD2_00005	04/11/14		High Purity, Lot 1309815		(Purchased Reagent)		Sn	1000 mg/L
							Ti	100 mg/L
.Icp stk ICSA_00008	02/01/14		Inorganic Ventures, Lot F2-MEB454028		(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICVH_00122	01/02/14	10/31/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00101	2 mL	Aluminum	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00101	01/02/14		High Purity, Lot 1236313		(Purchased Reagent)		Aluminum	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
ICP ICVH_00123	01/02/14	11/14/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00101	2 mL	Aluminum	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00101	01/02/14		High Purity, Lot 1236313		(Purchased Reagent)		Aluminum	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
ICP ICVL_00103	03/07/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00005	2 mL	Aluminum	0.25 mg/L
							Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Beryllium	0.25 mg/L
							Boron	0.25 mg/L
							Cadmium	0.25 mg/L
							Calcium	2 mg/L
							Chromium	0.25 mg/L
							Cobalt	0.25 mg/L
							Copper	0.25 mg/L
							Iron	0.25 mg/L
							Lead	0.25 mg/L
							Magnesium	10 mg/L
							Manganese	0.25 mg/L
							Nickel	0.25 mg/L
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Sodium	2 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Strontium	0.25 mg/L
							Thallium	0.5 mg/L
							Vanadium	0.25 mg/L
							Zinc	0.25 mg/L
					Icp ICVL B_00005	2 mL	Antimony	0.25 mg/L
							Molybdenum	0.25 mg/L
							Silver	0.25 mg/L
.Icp ICVL A_00005	03/07/14		High Purity, Lot 1306335		(Purchased Reagent)		Aluminum	25 mg/L
							Arsenic	25 mg/L
							Barium	25 mg/L
							Beryllium	25 mg/L
							Boron	25 mg/L
							Cadmium	25 mg/L
							Calcium	200 mg/L
							Chromium	25 mg/L
							Cobalt	25 mg/L
							Copper	25 mg/L
							Iron	25 mg/L
							Lead	25 mg/L
							Magnesium	1000 mg/L
							Manganese	25 mg/L
							Nickel	25 mg/L
							Potassium	2000 mg/L
							Selenium	50 mg/L
							Sodium	200 mg/L
							Strontium	25 mg/L
							Thallium	50 mg/L
							Vanadium	25 mg/L
							Zinc	25 mg/L
.Icp ICVL B_00005	03/07/14		HIGH PURITY, Lot 1306324		(Purchased Reagent)		Antimony	25 mg/L
							Molybdenum	25 mg/L
							Silver	25 mg/L
ICP ICVL_00104	03/07/14	11/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00005	2 mL	Aluminum	0.25 mg/L
							Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Beryllium	0.25 mg/L
							Boron	0.25 mg/L
							Cadmium	0.25 mg/L
							Calcium	2 mg/L
							Chromium	0.25 mg/L
							Cobalt	0.25 mg/L
							Copper	0.25 mg/L
							Iron	0.25 mg/L
							Lead	0.25 mg/L
							Magnesium	10 mg/L
							Manganese	0.25 mg/L
							Nickel	0.25 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Sodium	2 mg/L
							Strontium	0.25 mg/L
							Thallium	0.5 mg/L
							Vanadium	0.25 mg/L
							Zinc	0.25 mg/L
					Icp ICVL B_00005	2 mL	Antimony	0.25 mg/L
							Molybdenum	0.25 mg/L
							Silver	0.25 mg/L
.Icp ICVL A_00005	03/07/14		High Purity, Lot 1306335		(Purchased Reagent)		Aluminum	25 mg/L
							Arsenic	25 mg/L
							Barium	25 mg/L
							Beryllium	25 mg/L
							Boron	25 mg/L
							Cadmium	25 mg/L
							Calcium	200 mg/L
							Chromium	25 mg/L
							Cobalt	25 mg/L
							Copper	25 mg/L
							Iron	25 mg/L
							Lead	25 mg/L
							Magnesium	1000 mg/L
							Manganese	25 mg/L
							Nickel	25 mg/L
							Potassium	2000 mg/L
							Selenium	50 mg/L
							Sodium	200 mg/L
							Strontium	25 mg/L
							Thallium	50 mg/L
							Vanadium	25 mg/L
							Zinc	25 mg/L
.Icp ICVL B_00005	03/07/14		HIGH PURITY, Lot 1306324		(Purchased Reagent)		Antimony	25 mg/L
							Molybdenum	25 mg/L
							Silver	25 mg/L
ICP LLCCV_01010	11/08/13	11/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01011	11/09/13	11/08/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01012	11/12/13	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01015	11/15/13	11/14/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ICP LLCCV_01016	11/16/13	11/15/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP PDS 1_00006	07/01/14	Inorganic Ventures, Lot G2-MEB476098			(Purchased Reagent)		Aluminum	100 mg/L
							Arsenic	20 mg/L
							Barium	10 mg/L
							Beryllium	5 mg/L
							Cadmium	5 mg/L
							Calcium	2000 mg/L
							Chromium	5 mg/L
							Cobalt	5 mg/L
							Copper	5 mg/L
							Iron	100 mg/L
							Lead	10 mg/L
							Magnesium	2000 mg/L
							Manganese	5 mg/L
							Nickel	5 mg/L
							Potassium	2000 mg/L
							Selenium	20 mg/L
							Silver	5 mg/L
							Sodium	2000 mg/L
							Strontium	5 mg/L
							Thallium	20 mg/L
							Vanadium	5 mg/L
							Zinc	20 mg/L
ICP PDS 2_00006	07/01/14	Inorganic Ventures, Lot G2-MEB476099			(Purchased Reagent)		Antimony	10 mg/L
							Boron	10 mg/L
							Molybdenum	5 mg/L
ICP RL STD_01032	11/08/13	11/07/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vanadium	0.01 mg/L
							Zinc	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Arsenic	0.01 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Arsenic	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01033	11/09/13	11/08/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Selenium	0.01 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Selenium	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01034	11/12/13	11/11/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Selenium	0.01 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Selenium	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01037	11/15/13	11/14/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	0.003 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Thallium	10 mg/L
ICP RL STD_01038	11/16/13	11/15/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14		Inorganic Ventures, Lot C2-MEB299021		(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14		Inorganic Ventures, Lot G2-MEB481019		(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
.ICP RLSTD 1A_00006	07/01/14		Inorganic Ventures, Lot G2-MEB481018		(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Thallium	10 mg/L
ICP SPK 2A_00066	10/01/14		Inorganic Ventures, Lot G2-MEB477031		(Purchased Reagent)		Antimony	50 mg/L
							Boron	100 mg/L
							Molybdenum	100 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00069	10/01/14		Inorganic Ventures, Lot G2-MEB491084		(Purchased Reagent)		Aluminum	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Beryllium	5 mg/L
							Bi	200 mg/L
							Cadmium	10 mg/L
							Calcium	5000 mg/L
							Chromium	20 mg/L
							Cobalt	50 mg/L
							Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nickel	50 mg/L
							P	1000 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							U	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L
ICP SPK 3A_00070	11/01/14	Inorganic Ventures, Lot G2-MEB491084			(Purchased Reagent)		Aluminum	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Beryllium	5 mg/L
							Bi	200 mg/L
							Cadmium	10 mg/L
							Calcium	5000 mg/L
							Chromium	20 mg/L
							Cobalt	50 mg/L
							Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L
							Nickel	50 mg/L
							P	1000 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							U	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L
MS-AP9A010_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	25 uL	1,3,5-Trinitrobenzene	10 ug/mL
							1,4-Dinitrobenzene	10 ug/mL
							1-Naphthylamine	10 ug/mL
							2-Acetylaminofluorene	10 ug/mL
							2-Naphthylamine	10 ug/mL
							2-Picoline	10 ug/mL
							2-Toluidine	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethylbenzidine	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Aminobiphenyl	10 ug/mL
							4-Nitroquinoline-1-oxide	10 ug/mL
							alpha,alpha-Dimethyl phenethylamine	10 ug/mL
							Diphenylamine	10 ug/mL
							N-Nitro-o-toluidine	10 ug/mL
							N-Nitrosodi-n-butylamine	10 ug/mL
							N-Nitrosodiethylamine	10 ug/mL
							N-Nitrosomethylethylamine	10 ug/mL
							N-Nitrosomorpholine	10 ug/mL
							N-Nitrosopiperidine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
							p-Dimethylamino azobenzene	10 ug/mL
							p-Phenylene diamine	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenacetin	10 ug/mL
							Pronamide	10 ug/mL
							1,4-Naphthoquinone	10 ug/mL
							1-Chloronaphthalene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Chlorobenzilate	10 ug/mL
							Ethyl methanesulfonate	10 ug/mL
							Hexachloropropene	10 ug/mL
							Isodrin	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							Pentachlorobenzene	10 ug/mL
							Pentachloroethane	10 ug/mL
							3-Methylcholanthrene	10 ug/mL
							Aramite Peak 1	4.61 ug/mL
							Aramite Peak 2	5.39 ug/mL
							Diallate Peak 1	8.82 ug/mL
							Diallate Peak 2	1.18 ug/mL
							Dimethoate	10 ug/mL
							Disulfoton	10 ug/mL
							Ethyl Parathion	10 ug/mL
							Methyl parathion	10 ug/mL
							o,o',o''-Triethylphosphorothioate	10 ug/mL
							Phorate	10 ug/mL
							Safrole, Total	10 ug/mL
							Sulfotepp	10 ug/mL
							Thionazin	10 ug/mL
							Methapyrilene	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A020_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	50 uL	1,3,5-Trinitrobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Naphthylamine	20 ug/mL
							2-Acetylaminofluorene	20 ug/mL
							2-Naphthylamine	20 ug/mL
							2-Picoline	20 ug/mL
							2-Toluidine	20 ug/mL
							3,3'-Dimethylbenzidine	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Aminobiphenyl	20 ug/mL
							4-Nitroquinoline-1-oxide	20 ug/mL
							alpha,alpha-Dimethyl phenethylamine	20 ug/mL
							Diphenylamine	20 ug/mL
							N-Nitro-o-toluidine	20 ug/mL
							N-Nitrosodi-n-butylamine	20 ug/mL
							N-Nitrosodiethylamine	20 ug/mL
							N-Nitrosomethylethylamine	20 ug/mL
							N-Nitrosomorpholine	20 ug/mL
							N-Nitrosopiperidine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
							p-Dimethylamino azobenzene	20 ug/mL
							p-Phenylene diamine	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenacetin	20 ug/mL
							Pronamide	20 ug/mL
							1,4-Naphthoquinone	20 ug/mL
							1-Chloronaphthalene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Hexachloropropene	20 ug/mL
							Isodrin	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							Pentachlorobenzene	20 ug/mL
							Pentachloroethane	20 ug/mL
							3-Methylcholanthrene	20 ug/mL
							Aramite Peak 1	9.22 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aramite Peak 2	10.78 ug/mL
							Diallate Peak 1	17.64 ug/mL
							Diallate Peak 2	2.36 ug/mL
							Dimethoate	20 ug/mL
							Disulfoton	20 ug/mL
							Ethyl Parathion	20 ug/mL
							Methyl parathion	20 ug/mL
							o,o',o''-Triethylphosphorothioate	20 ug/mL
							Phorate	20 ug/mL
							Safrole, Total	20 ug/mL
							Sulfotepp	20 ug/mL
							Thionazin	20 ug/mL
							Methapyrilene	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A050_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	125 uL	1,3,5-Trinitrobenzene	50 ug/mL
							1,4-Dinitrobenzene	50 ug/mL
							1-Naphthylamine	50 ug/mL
							2-Acetylaminofluorene	50 ug/mL
							2-Naphthylamine	50 ug/mL
							2-Picoline	50 ug/mL
							2-Toluidine	50 ug/mL
							3,3'-Dimethylbenzidine	50 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	50 ug/mL
							4-Aminobiphenyl	50 ug/mL
							4-Nitroquinoline-1-oxide	50 ug/mL
							alpha,alpha-Dimethyl phenethylamine	50 ug/mL
							Diphenylamine	50 ug/mL
							N-Nitro-o-toluidine	50 ug/mL
							N-Nitrosodi-n-butylamine	50 ug/mL
							N-Nitrosodiethylamine	50 ug/mL
							N-Nitrosomethylethylamine	50 ug/mL
							N-Nitrosomorpholine	50 ug/mL
							N-Nitrosopiperidine	50 ug/mL
							N-Nitrosopyrrolidine	50 ug/mL
							p-Dimethylamino azobenzene	50 ug/mL
							p-Phenylene diamine	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	50 ug/mL
							Pronamide	50 ug/mL
							1,4-Naphthoquinone	50 ug/mL
							1-Chloronaphthalene	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							7,12-Dimethylbenz(a)anthracene	50 ug/mL
							Chlorobenzilate	50 ug/mL
							Ethyl methanesulfonate	50 ug/mL
							Hexachloropropene	50 ug/mL
							Isodrin	50 ug/mL
							Methyl methanesulfonate	50 ug/mL
							Pentachlorobenzene	50 ug/mL
							Pentachloroethane	50 ug/mL
							3-Methylcholanthrene	50 ug/mL
							Aramite Peak 1	23.05 ug/mL
							Aramite Peak 2	26.95 ug/mL
							Diallate Peak 1	44.1 ug/mL
							Diallate Peak 2	5.9 ug/mL
							Dimethoate	50 ug/mL
							Disulfoton	50 ug/mL
							Ethyl Parathion	50 ug/mL
							Methyl parathion	50 ug/mL
							o,o',o''-Triethylphosphorothioate	50 ug/mL
							Phorate	50 ug/mL
							Safrole, Total	50 ug/mL
							Sulfotepp	50 ug/mL
							Thionazin	50 ug/mL
							Methapyrilene	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A080_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	200 uL	1,3,5-Trinitrobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Naphthylamine	80 ug/mL
							2-Acetylaminofluorene	80 ug/mL
							2-Naphthylamine	80 ug/mL
							2-Picoline	80 ug/mL
							2-Toluidine	80 ug/mL
							3,3'-Dimethylbenzidine	80 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Aminobiphenyl	80 ug/mL
							4-Nitroquinoline-1-oxide	80 ug/mL
							alpha,alpha-Dimethyl phenethylamine	80 ug/mL
							Diphenylamine	80 ug/mL
							N-Nitro-o-toluidine	80 ug/mL
							N-Nitrosodi-n-butylamine	80 ug/mL
							N-Nitrosodiethylamine	80 ug/mL
							N-Nitrosomethylethylamine	80 ug/mL
							N-Nitrosomorpholine	80 ug/mL
							N-Nitrosopiperidine	80 ug/mL
							N-Nitrosopyrrolidine	80 ug/mL
							p-Dimethylamino azobenzene	80 ug/mL
							p-Phenylene diamine	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenacetin	80 ug/mL
							Pronamide	80 ug/mL
							1,4-Naphthoquinone	80 ug/mL
							1-Chloronaphthalene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							7,12-Dimethylbenz(a)anthracene	80 ug/mL
							Chlorobenzilate	80 ug/mL
							Ethyl methanesulfonate	80 ug/mL
							Hexachloropropene	80 ug/mL
							Isodrin	80 ug/mL
							Methyl methanesulfonate	80 ug/mL
							Pentachlorobenzene	80 ug/mL
							Pentachloroethane	80 ug/mL
							3-Methylcholanthrene	80 ug/mL
							Aramite Peak 1	36.88 ug/mL
							Aramite Peak 2	43.12 ug/mL
							Diallate Peak 1	70.56 ug/mL
							Diallate Peak 2	9.44 ug/mL
							Dimethoate	80 ug/mL
							Disulfoton	80 ug/mL
							Ethyl Parathion	80 ug/mL
							Methyl parathion	80 ug/mL
							o,o',o''-Triethylphosphorothioate	80 ug/mL
							Phorate	80 ug/mL
							Safrole, Total	80 ug/mL
							Sulfotepp	80 ug/mL
							Thionazin	80 ug/mL
							Methapyrilene	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A120_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	300 uL	1,3,5-Trinitrobenzene	120 ug/mL
							1,4-Dinitrobenzene	120 ug/mL
							1-Naphthylamine	120 ug/mL
							2-Acetylaminofluorene	120 ug/mL
							2-Naphthylamine	120 ug/mL
							2-Picoline	120 ug/mL
							2-Toluidine	120 ug/mL
							3,3'-Dimethylbenzidine	120 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	120 ug/mL
							4-Aminobiphenyl	120 ug/mL
							4-Nitroquinoline-1-oxide	120 ug/mL
							alpha,alpha-Dimethyl phenethylamine	120 ug/mL
							Diphenylamine	120 ug/mL
							N-Nitro-o-toluidine	120 ug/mL
							N-Nitrosodi-n-butylamine	120 ug/mL
							N-Nitrosodiethylamine	120 ug/mL
							N-Nitrosomethylethylamine	120 ug/mL
							N-Nitrosomorpholine	120 ug/mL
							N-Nitrosopiperidine	120 ug/mL
							N-Nitrosopyrrolidine	120 ug/mL
							p-Dimethylamino azobenzene	120 ug/mL
							p-Phenylene diamine	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenacetin	120 ug/mL
							Pronamide	120 ug/mL
							1,4-Naphthoquinone	120 ug/mL
							1-Chloronaphthalene	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							7,12-Dimethylbenz(a)anthracene	120 ug/mL
							Chlorobenzilate	120 ug/mL
							Ethyl methanesulfonate	120 ug/mL
							Hexachloropropene	120 ug/mL
							Isodrin	120 ug/mL
							Methyl methanesulfonate	120 ug/mL
							Pentachlorobenzene	120 ug/mL
							Pentachloroethane	120 ug/mL
							3-Methylcholanthrene	120 ug/mL
							Aramite Peak 1	55.32 ug/mL
							Aramite Peak 2	64.68 ug/mL
							Diallate Peak 1	105.84 ug/mL
							Diallate Peak 2	14.16 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethoate	120 ug/mL
							Disulfoton	120 ug/mL
							Ethyl Parathion	120 ug/mL
							Methyl parathion	120 ug/mL
							o,o',o''-Triethylphosphorothioate	120 ug/mL
							Phorate	120 ug/mL
							Safrole, Total	120 ug/mL
							Sulfotepp	120 ug/mL
							Thionazin	120 ug/mL
							Methapyrilene	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A160_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	400 uL	1,3,5-Trinitrobenzene	160 ug/mL
							1,4-Dinitrobenzene	160 ug/mL
							1-Naphthylamine	160 ug/mL
							2-Acetylaminofluorene	160 ug/mL
							2-Naphthylamine	160 ug/mL
							2-Picoline	160 ug/mL
							2-Toluidine	160 ug/mL
							3,3'-Dimethylbenzidine	160 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	160 ug/mL
							4-Aminobiphenyl	160 ug/mL
							4-Nitroquinoline-1-oxide	160 ug/mL
							alpha,alpha-Dimethyl phenethylamine	160 ug/mL
							Diphenylamine	160 ug/mL
							N-Nitro-o-toluidine	160 ug/mL
							N-Nitrosodi-n-butylamine	160 ug/mL
							N-Nitrosodiethylamine	160 ug/mL
							N-Nitrosomethylethylamine	160 ug/mL
							N-Nitrosomorpholine	160 ug/mL
							N-Nitrosopiperidine	160 ug/mL
							N-Nitrosopyrrolidine	160 ug/mL
							p-Dimethylamino azobenzene	160 ug/mL
							p-Phenylene diamine	160 ug/mL
							Pentachloronitrobenzene	160 ug/mL
							Phenacetin	160 ug/mL
							Pronamide	160 ug/mL
							1,4-Naphthoquinone	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	160 ug/mL
							2,6-Dichlorophenol	160 ug/mL
							7,12-Dimethylbenz(a)anthracene	160 ug/mL
							Chlorobenzilate	160 ug/mL
							Ethyl methanesulfonate	160 ug/mL
							Hexachloropropene	160 ug/mL
							Isodrin	160 ug/mL
							Methyl methanesulfonate	160 ug/mL
							Pentachlorobenzene	160 ug/mL
							Pentachloroethane	160 ug/mL
							3-Methylcholanthrene	160 ug/mL
							Aramite Peak 1	73.76 ug/mL
							Aramite Peak 2	86.24 ug/mL
							Diallate Peak 1	141.12 ug/mL
							Diallate Peak 2	18.88 ug/mL
							Dimethoate	160 ug/mL
							Disulfoton	160 ug/mL
							Ethyl Parathion	160 ug/mL
							Methyl parathion	160 ug/mL
							o,o',o''-Triethylphosphorothioate	160 ug/mL
							Phorate	160 ug/mL
							Safrole, Total	160 ug/mL
							Sulfotepp	160 ug/mL
							Thionazin	160 ug/mL
							Methapyrilene	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A200_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	500 uL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
							Methapyrilene	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9ACCV080_00003	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	200 uL	N-Nitrosopyrrolidine	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	N-Nitrosopyrrolidine	200 ug/mL
					MS-567679_00004	2 mL	2,6-Dichlorophenol	200 ug/mL
..MS-567678_00003	02/28/15	Restek, Lot A093629			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
..MS-567679_00004	02/28/15	Restek, Lot A093658			(Purchased Reagent)		2,6-Dichlorophenol	1000 ug/mL
MS-AP9B1SSV_00001	04/04/14	05/15/13	Methylene Chloride, Lot 31650	0.5 mL	MS-AP9B1_STK_00001	250 uL	2,6-Dichlorophenol	100 ug/mL
.MS-AP9B1_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567679SEC_00001	2 mL	2,6-Dichlorophenol	200 ug/mL
..MS-567679SEC_00001	03/31/15	Restek, Lot A093864			(Purchased Reagent)		2,6-Dichlorophenol	1000 ug/mL
MS-AP9B3SSV_00002	04/04/14	08/06/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9B3_STK_00002	250 uL	N-Nitrosopyrrolidine	100 ug/mL
.MS-AP9B3_STK_00002	05/14/14	05/14/13	Methylene Chloride, Lot 31650	10 mL	MS-567678SEC_00001	2 mL	N-Nitrosopyrrolidine	200 ug/mL
..MS-567678SEC_00001	04/30/15	Restek, Lot A095060			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
MS-BZHDA-CCV_00001	04/04/14	04/30/13	Methylene Chloride, Lot 14960	0.5 mL	MS-BZHDA_STK_00001	200 uL	Benzaldehyde	80 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
MS-BZHDA-CCV_00003	04/04/14	10/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-BZHDA_STK_00001	250 uL	Benzaldehyde	100 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
MS-BZHDA010_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	25 uL	Benzaldehyde	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA020_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	50 uL	Benzaldehyde	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA050_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	125 uL	Benzaldehyde	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA080_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	200 uL	Benzaldehyde	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA120_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	300 uL	Benzaldehyde	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA160_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	400 uL	Benzaldehyde	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA200_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	500 uL	Benzaldehyde	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14		Restek, Lot A093445		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDB-SSV_00001	04/04/14	04/30/13	Methylene Chloride, Lot 14960	0.5 mL	MS-BZHDB_STK_00001	250 uL	Benzaldehyde	100 ug/mL
.MS-BZHDB_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677SEC_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677SEC_00001	08/30/14		Restek, Lot A093656		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
MS-HSLA004_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	10 uL	2,4,6-Tribromophenol (Surr)	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol (Surr)	4 ug/mL
							Nitrobenzene-d5 (Surr)	4 ug/mL
							Phenol-d5 (Surr)	4 ug/mL
							Terphenyl-d14 (Surr)	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4.0439 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	4 ug/mL
							1,3-Dinitrobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Atrazine	4 ug/mL
							Benzidine	4 ug/mL
							Caprolactam	4 ug/mL
							Benzoic acid	8 ug/mL
							Famphur	4 ug/mL
							Alachlor	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA010_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	25 uL	2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10.1097 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							Caprolactam	10 ug/mL
							Benzoic acid	20 ug/mL
							Famphur	10 ug/mL
							Alachlor	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA020_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	50 uL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20.2195 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							Caprolactam	20 ug/mL
							Benzoic acid	40 ug/mL
							Famphur	20 ug/mL
							Alachlor	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA050_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	125 uL	2,4,6-Tribromophenol (Surr)	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	50 ug/mL
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	50 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
							1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50.5487 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Atrazine	50 ug/mL
							Benzidine	50 ug/mL
							Caprolactam	50 ug/mL
							Benzoic acid	100 ug/mL
							Famphur	50 ug/mL
							Alachlor	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MS-HSLA080_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							Famphur	80 ug/mL
							Alachlor	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA120_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	300 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
							1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	121.317 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,3-Dinitrobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	120 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Atrazine	120 ug/mL
							Benzidine	120 ug/mL
							Caprolactam	120 ug/mL
							Benzoic acid	240 ug/mL
							Famphur	120 ug/mL
							Alachlor	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA160_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	400 uL	2,4,6-Tribromophenol (Surr)	160 ug/mL
							2-Fluorobiphenyl	160 ug/mL
							2-Fluorophenol (Surr)	160 ug/mL
							Nitrobenzene-d5 (Surr)	160 ug/mL
							Phenol-d5 (Surr)	160 ug/mL
							Terphenyl-d14 (Surr)	160 ug/mL
							1,1'-Biphenyl	160 ug/mL
							1,2,4,5-Tetrachlorobenzene	160 ug/mL
							1,2,4-Trichlorobenzene	160 ug/mL
							1,2-Dichlorobenzene	160 ug/mL
							1,2-Diphenylhydrazine	161.756 ug/mL
							1,3-Dichlorobenzene	160 ug/mL
							1,3-Dinitrobenzene	160 ug/mL
							1,4-Dichlorobenzene	160 ug/mL
							1,4-Dioxane	160 ug/mL
							1-Methylnaphthalene	160 ug/mL
							2,2'-oxybis[1-chloropropane]	160 ug/mL
							2,3,4,6-Tetrachlorophenol	160 ug/mL
							2,4,5-Trichlorophenol	160 ug/mL
							2,4,6-Trichlorophenol	160 ug/mL
							2,4-Dichlorophenol	160 ug/mL
							2,4-Dimethylphenol	160 ug/mL
							2,4-Dinitrophenol	320 ug/mL
							2,4-Dinitrotoluene	160 ug/mL
							2,6-Dinitrotoluene	160 ug/mL
							2-Chloronaphthalene	160 ug/mL
							2-Chlorophenol	160 ug/mL
							2-Methylnaphthalene	160 ug/mL
							2-Methylphenol	160 ug/mL
							2-Nitroaniline	160 ug/mL
							2-Nitrophenol	160 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3-Nitroaniline	160 ug/mL
							4,6-Dinitro-2-methylphenol	320 ug/mL
							4-Bromophenyl phenyl ether	160 ug/mL
							4-Chloro-3-methylphenol	160 ug/mL
							4-Chloroaniline	160 ug/mL
							4-Chlorophenyl phenyl ether	160 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	160 ug/mL
							4-Nitrophenol	320 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	160 ug/mL
							Acenaphthylene	160 ug/mL
							Acetophenone	160 ug/mL
							Aniline	160 ug/mL
							Anthracene	160 ug/mL
							Azobenzene	160 ug/mL
							Benzo[a]anthracene	160 ug/mL
							Benzo[a]pyrene	160 ug/mL
							Benzo[b]fluoranthene	160 ug/mL
							Benzo[g,h,i]perylene	160 ug/mL
							Benzo[k]fluoranthene	160 ug/mL
							Benzyl alcohol	160 ug/mL
							Bis(2-chloroethoxy)methane	160 ug/mL
							Bis(2-chloroethyl)ether	160 ug/mL
							Bis(2-ethylhexyl) phthalate	160 ug/mL
							Butyl benzyl phthalate	160 ug/mL
							Carbazole	160 ug/mL
							Chrysene	160 ug/mL
							Di-n-butyl phthalate	160 ug/mL
							Di-n-octyl phthalate	160 ug/mL
							Dibenz(a,h)anthracene	160 ug/mL
							Dibenzofuran	160 ug/mL
							Diethyl phthalate	160 ug/mL
							Dimethyl phthalate	160 ug/mL
							Fluoranthene	160 ug/mL
							Fluorene	160 ug/mL
							Hexachlorobenzene	160 ug/mL
							Hexachlorobutadiene	160 ug/mL
							Hexachlorocyclopentadiene	160 ug/mL
							Hexachloroethane	160 ug/mL
							Indeno[1,2,3-cd]pyrene	160 ug/mL
							Isophorone	160 ug/mL
							N-Nitrosodi-n-propylamine	160 ug/mL
							N-Nitrosodimethylamine	160 ug/mL
							Naphthalene	160 ug/mL
							Nitrobenzene	160 ug/mL
							Pentachlorophenol	320 ug/mL
							Phenanthrene	160 ug/mL
							Phenol	160 ug/mL
							Pyrene	160 ug/mL
							Pyridine	160 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL
							Atrazine	160 ug/mL
							Benzidine	160 ug/mL
							Caprolactam	160 ug/mL
							Benzoic acid	320 ug/mL
							Famphur	160 ug/mL
							Alachlor	160 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA200_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	500 uL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
							1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
							Benzoic acid	400 ug/mL
							Famphur	200 ug/mL
							Alachlor	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLACCV080_00006	04/04/14	10/18/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Anthracene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
MS-HSLB1B3SSV_00001	04/04/14	09/03/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLB1_STK_00002	250 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	101.097 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	72 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Benzoic acid	200 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
.MS-HSLB1_STK_00002	08/31/14	09/03/13	Methylene Chloride, Lot 42358	10 mL	MS-567672SEC_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	144 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
					MS-567674SEC_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567676SEC_00001	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..MS-567672SEC_00001	08/31/14		Restek, Lot A094002		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	720 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-567674SEC_00001	02/29/16		Restek, Lot A093654		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567676SEC_00001	02/28/15		Restek, Lot A093671		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
MS-HSLB2SSV_00001	04/04/14	05/15/13	Methylene Chloride, Lot 31650	0.5 mL	MS-HSLB2_STK_00001	250 uL	3,3'-Dichlorobenzidine	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							Caprolactam	100 ug/mL
.MS-HSLB2_STK_00001	04/29/14	04/29/13	Methylene Chloride, Lot 14960	10 mL	MS-567673SEC_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
..MS-567673SEC_00001	08/31/14	Restek, Lot A093775			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB AOI 474

TestAmerica Job ID: 280-48651-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	ELAP	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAP	4	E87667
TestAmerica Denver	Illinois	NELAP	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAP	7	E-10166
TestAmerica Denver	Louisiana	NELAP	6	02096
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAP	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAP	1	205310
TestAmerica Denver	New Jersey	NELAP	2	CO004
TestAmerica Denver	New Mexico	State Program	6	CO00026
TestAmerica Denver	New York	NELAP	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAP	10	CO200001
TestAmerica Denver	Pennsylvania	NELAP	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Texas	NELAP	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-13-00202
TestAmerica Denver	Utah	NELAP	8	CO000262012-4
TestAmerica Denver	Virginia	NELAP	3	460232
TestAmerica Denver	Washington	State Program	10	C583
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Vf-5MS (30.2 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
AOI474NW0102AA	280-48651-1	79	81	79	82	83	88
AOI474SW0102AA	280-48651-2	76	79	79	81	77	87
AOI474WW0102AA	280-48651-3	79	82	80	81	84	90
AOI474EW0102AA	280-48651-4	77	81	78	80	82	88
AOI474BT0103AA	280-48651-5	76	78	78	80	85	87
	MB 280-200642/1-A	75	79	82	83	72	90
	LCS 280-200642/2-A	77	79	80	81	82	88
AOI474NW0102AA MS	280-48651-1 MS	75	77	76	79	80	86
AOI474NW0102AA MSD	280-48651-1 MSD	73	76	77	80	84	86

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270D/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Vf-5MS (30.2 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
AOI474SW0102AA	280-48651-6	63	69	97	89	81	43 Q
103013AE	280-48651-7	92	96	97	93	85	100
	MB 280-199334/1-A	84	89	92	85	83	102
	LCS 280-199334/2-A	73	78	83	78	78	83
	LCSD 280-199334/3-A	88	92	97	89	90	95

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

Column to be used to flag recovery values

FORM II 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y7493.D

Lab ID: LCS 280-199334/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	80.0	51.1	64	35-105	
1,2-Dichlorobenzene	80.0	46.0	58	35-100	
1,2-Diphenylhydrazine	80.9	72.1	89	55-115	
1,3-Dichlorobenzene	80.0	45.2	57	30-100	
1,4-Dichlorobenzene	80.0	45.8	57	30-100	
2,2'-oxybis[1-chloropropane]	80.0	67.4	84	25-130	
2,4,5-Trichlorophenol	80.0	64.3	80	50-110	
2,4,6-Trichlorophenol	80.0	63.0	79	50-115	
2,4-Dichlorophenol	80.0	61.0	76	50-105	
2,4-Dimethylphenol	80.0	51.2	64	30-110	
2,4-Dinitrophenol	160	130	81	15-140	
2,4-Dinitrotoluene	80.0	68.0	85	50-120	
2,6-Dinitrotoluene	80.0	65.3	82	50-115	
2-Chloronaphthalene	80.0	62.9	79	50-105	
2-Chlorophenol	80.0	60.4	75	35-105	
2-Methylnaphthalene	80.0	60.2	75	45-105	
2-Methylphenol	80.0	59.2	74	40-110	
2-Nitroaniline	80.0	72.7	91	50-115	
2-Nitrophenol	80.0	62.9	79	40-115	
3 & 4 Methylphenol	80.0	61.3	77	30-110	
3,3'-Dichlorobenzidine	80.0	45.2 J	56	20-110	
3-Nitroaniline	80.0	52.8	66	20-125	
4,6-Dinitro-2-methylphenol	160	142	89	40-130	
4-Bromophenyl phenyl ether	80.0	64.6	81	50-115	
4-Chloro-3-methylphenol	80.0	65.0	81	45-110	
4-Chloroaniline	80.0	45.5	57	15-110	
4-Chlorophenyl phenyl ether	80.0	65.1	81	50-110	
4-Nitroaniline	80.0	62.6	78	35-120	
4-Nitrophenol	160	129	81	10-125	
Acenaphthene	80.0	65.5	82	45-110	
Acenaphthylene	80.0	62.8	78	50-105	
Anthracene	80.0	64.8	81	55-110	
Benzo[a]anthracene	80.0	66.2	83	55-110	
Benzo[a]pyrene	80.0	64.2	80	55-110	
Benzo[b]fluoranthene	80.0	68.1	85	45-120	
Benzo[g,h,i]perylene	80.0	65.1	81	40-125	
Benzo[k]fluoranthene	80.0	65.6	82	45-125	
Benzoic acid	80.0	51.9 J	65	10-125	
Benzyl alcohol	80.0	62.1	78	30-110	
Bis(2-chloroethoxy)methane	80.0	64.2	80	45-105	
Bis(2-chloroethyl)ether	80.0	66.5	83	35-110	
Bis(2-ethylhexyl) phthalate	80.0	69.6	87	40-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y7493.D

Lab ID: LCS 280-199334/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	80.0	66.8	84	45-115	
Carbazole	80.0	67.1	84	50-115	
Chrysene	80.0	65.9	82	55-110	
Dibenz(a,h)anthracene	80.0	67.1	84	40-125	
Dibenzofuran	80.0	64.7	81	55-105	
Diethyl phthalate	80.0	67.8	85	40-120	
Dimethyl phthalate	80.0	66.6	83	25-125	
Di-n-butyl phthalate	80.0	67.9	85	55-115	
Di-n-octyl phthalate	80.0	70.5	88	35-135	
Fluoranthene	80.0	68.1	85	55-115	
Fluorene	80.0	67.2	84	50-110	
Hexachlorobenzene	80.0	63.8	80	50-110	
Hexachlorobutadiene	80.0	47.7	60	25-105	
Hexachlorocyclopentadiene	80.0	18.5 J	23	10-82	
Hexachloroethane	80.0	44.8	56	30-100	
Indeno[1,2,3-cd]pyrene	80.0	64.1	80	45-125	M
Isophorone	80.0	61.4	77	50-110	
Naphthalene	80.0	58.2	73	40-100	
Nitrobenzene	80.0	66.0	83	45-110	
N-Nitrosodimethylamine	80.0	58.9	74	25-110	
N-Nitrosodi-n-propylamine	80.0	65.0	81	35-130	
N-Nitrosodiphenylamine	80.0	66.1	83	50-110	
Pentachlorophenol	160	127	79	40-115	
Phenanthrene	80.0	67.7	85	50-115	
Phenol	80.0	61.6	77	10-115	
Pyrene	80.0	66.9	84	50-130	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y7640.D

Lab ID: LCS 280-200642/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2670	1990	75	45-110	
1,2-Dichlorobenzene	2670	1940	73	45-95	
1,2-Diphenylhydrazine	2700	2240	83	54-120	
1,3-Dichlorobenzene	2670	1910	72	40-100	
1,4-Dichlorobenzene	2670	1930	72	35-105	
2,2'-oxybis[1-chloropropane]	2670	1960	73	20-115	
2,4,5-Trichlorophenol	2670	2160	81	50-110	
2,4,6-Trichlorophenol	2670	2100	79	45-110	
2,4-Dichlorophenol	2670	2100	79	45-110	
2,4-Dimethylphenol	2670	2090	78	30-105	
2,4-Dinitrophenol	5330	3830	72	15-130	
2,4-Dinitrotoluene	2670	2280	85	50-115	
2,6-Dinitrotoluene	2670	2230	84	50-110	
2-Chloronaphthalene	2670	2120	80	45-105	
2-Chlorophenol	2670	2010	75	45-105	
2-Methylnaphthalene	2670	2110	79	45-105	
2-Methylphenol	2670	2010	76	40-105	
2-Nitroaniline	2670	2300	86	45-120	
2-Nitrophenol	2670	2080	78	40-110	
3 & 4 Methylphenol	2670	2070	78	40-105	
3,3'-Dichlorobenzidine	2670	1330 J	50	10-130	
3-Nitroaniline	2670	1660	62	25-110	
4,6-Dinitro-2-methylphenol	5330	4780	90	30-135	
4-Bromophenyl phenyl ether	2670	2280	85	45-115	
4-Chloro-3-methylphenol	2670	2210	83	45-115	
4-Chloroaniline	2670	1110	42	10-95	
4-Chlorophenyl phenyl ether	2670	2230	84	45-110	
4-Nitroaniline	2670	2040	77	35-115	
4-Nitrophenol	5330	4250	80	15-140	
Acenaphthene	2670	2180	82	45-110	
Acenaphthylene	2670	2090	79	45-105	
Anthracene	2670	2270	85	55-105	
Benzo[a]anthracene	2670	2230	84	50-110	
Benzo[a]pyrene	2670	2250	84	50-110	
Benzo[b]fluoranthene	2670	2320	87	45-115	
Benzo[g,h,i]perylene	2670	2230	84	40-125	
Benzo[k]fluoranthene	2670	2290	86	45-125	
Benzoic acid	2670	1650	62	10-110	
Benzyl alcohol	2670	2010	75	20-125	
Bis(2-chloroethoxy)methane	2670	2060	77	45-110	
Bis(2-chloroethyl)ether	2670	2070	78	40-105	
Bis(2-ethylhexyl) phthalate	2670	2290	86	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y7640.D

Lab ID: LCS 280-200642/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	2670	2200	82	50-125	
Carbazole	2670	2290	86	45-115	
Chrysene	2670	2250	84	55-110	
Dibenz(a,h)anthracene	2670	2350	88	40-125	
Dibenzofuran	2670	2200	82	50-105	
Diethyl phthalate	2670	2270	85	50-115	
Dimethyl phthalate	2670	2250	84	50-110	
Di-n-butyl phthalate	2670	2330	87	55-110	
Di-n-octyl phthalate	2670	2340	88	40-130	
Fluoranthene	2670	2370	89	55-115	
Fluorene	2670	2210	83	50-110	
Hexachlorobenzene	2670	2290	86	45-120	
Hexachlorobutadiene	2670	2110	79	40-115	
Hexachlorocyclopentadiene	2670	1600 J	60	35-123	
Hexachloroethane	2670	1950	73	35-110	
Indeno[1,2,3-cd]pyrene	2670	2290	86	40-120	M
Isophorone	2670	1970	74	45-110	
Naphthalene	2670	2100	79	40-105	
Nitrobenzene	2670	2030	76	40-115	
N-Nitrosodimethylamine	2670	1780	67	20-115	
N-Nitrosodi-n-propylamine	2670	2070	78	40-115	
N-Nitrosodiphenylamine	2670	2140	80	50-115	
Pentachlorophenol	5330	4050	76	25-120	
Phenanthrene	2670	2280	86	50-110	
Phenol	2670	2010	75	40-100	
Pyrene	2670	2230	84	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y7494.D

Lab ID: LCSD 280-199334/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	80.0	50.3	63	2	30	35-105	
1,2-Dichlorobenzene	80.0	51.5	64	11	30	35-100	
1,2-Diphenylhydrazine	80.9	81.3	101	12	30	55-115	
1,3-Dichlorobenzene	80.0	49.0	61	8	30	30-100	
1,4-Dichlorobenzene	80.0	49.6	62	8	30	30-100	
2,2'-oxybis[1-chloropropane]	80.0	77.4	97	14	30	25-130	
2,4,5-Trichlorophenol	80.0	73.0	91	13	30	50-110	
2,4,6-Trichlorophenol	80.0	71.9	90	13	30	50-115	
2,4-Dichlorophenol	80.0	71.4	89	16	30	50-105	
2,4-Dimethylphenol	80.0	57.7	72	12	30	30-110	
2,4-Dinitrophenol	160	157	98	19	30	15-140	
2,4-Dinitrotoluene	80.0	78.2	98	14	30	50-120	
2,6-Dinitrotoluene	80.0	76.0	95	15	30	50-115	
2-Chloronaphthalene	80.0	66.5	83	6	30	50-105	
2-Chlorophenol	80.0	72.6	91	18	30	35-105	
2-Methylnaphthalene	80.0	63.1	79	5	30	45-105	
2-Methylphenol	80.0	71.2	89	18	30	40-110	
2-Nitroaniline	80.0	85.6	107	16	30	50-115	
2-Nitrophenol	80.0	74.5	93	17	30	40-115	
3 & 4 Methylphenol	80.0	72.7	91	17	30	30-110	
3,3'-Dichlorobenzidine	80.0	50.7	63	11	30	20-110	
3-Nitroaniline	80.0	61.1	76	15	30	20-125	
4,6-Dinitro-2-methylphenol	160	163	102	14	30	40-130	
4-Bromophenyl phenyl ether	80.0	72.4	90	11	30	50-115	
4-Chloro-3-methylphenol	80.0	75.7	95	15	30	45-110	
4-Chloroaniline	80.0	54.6	68	18	30	15-110	
4-Chlorophenyl phenyl ether	80.0	73.8	92	13	30	50-110	
4-Nitroaniline	80.0	72.9	91	15	30	35-120	
4-Nitrophenol	160	155	97	18	30	10-125	
Acenaphthene	80.0	72.3	90	10	30	45-110	
Acenaphthylene	80.0	69.5	87	10	30	50-105	
Anthracene	80.0	74.1	93	13	30	55-110	
Benzo[a]anthracene	80.0	76.3	95	14	30	55-110	
Benzo[a]pyrene	80.0	75.2	94	16	30	55-110	
Benzo[b]fluoranthene	80.0	77.4	97	13	30	45-120	
Benzo[g,h,i]perylene	80.0	74.7	93	14	30	40-125	
Benzo[k]fluoranthene	80.0	77.0	96	16	30	45-125	
Benzoic acid	80.0	59.8 J	75	14	30	10-125	
Benzyl alcohol	80.0	72.5	91	16	30	30-110	
Bis(2-chloroethoxy)methane	80.0	75.6	95	16	30	45-105	
Bis(2-chloroethyl)ether	80.0	75.8	95	13	30	35-110	
Bis(2-ethylhexyl) phthalate	80.0	79.3	99	13	30	40-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y7494.D

Lab ID: LCSD 280-199334/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	80.0	76.1	95	13	30	45-115	
Carbazole	80.0	76.3	95	13	30	50-115	
Chrysene	80.0	75.4	94	13	30	55-110	
Dibenz(a,h)anthracene	80.0	77.7	97	15	30	40-125	
Dibenzofuran	80.0	74.1	93	13	30	55-105	
Diethyl phthalate	80.0	77.7	97	14	30	40-120	
Dimethyl phthalate	80.0	75.6	95	13	30	25-125	
Di-n-butyl phthalate	80.0	77.3	97	13	30	55-115	
Di-n-octyl phthalate	80.0	82.1	103	15	30	35-135	
Fluoranthene	80.0	78.2	98	14	30	55-115	
Fluorene	80.0	76.5	96	13	30	50-110	
Hexachlorobenzene	80.0	71.7	90	12	30	50-110	
Hexachlorobutadiene	80.0	46.2	58	3	30	25-105	
Hexachlorocyclopentadiene	80.0	14.6 J	18	23	30	10-82	
Hexachloroethane	80.0	48.1	60	7	30	30-100	
Indeno[1,2,3-cd]pyrene	80.0	75.1	94	16	30	45-125	M
Isophorone	80.0	71.6	90	15	30	50-110	
Naphthalene	80.0	62.4	78	7	30	40-100	
Nitrobenzene	80.0	77.6	97	16	30	45-110	
N-Nitrosodimethylamine	80.0	71.1	89	19	30	25-110	
N-Nitrosodi-n-propylamine	80.0	75.7	95	15	30	35-130	
N-Nitrosodiphenylamine	80.0	74.5	93	12	30	50-110	
Pentachlorophenol	160	140	88	10	30	40-115	
Phenanthrene	80.0	75.9	95	11	30	50-115	
Phenol	80.0	73.7	92	18	30	10-115	
Pyrene	80.0	77.0	96	14	30	50-130	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y7642.D

Lab ID: 280-48651-1 MS Client ID: AOI474NW0102AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3160	38 U	2310	73	45-110	
1,2-Dichlorobenzene	3160	38 U	2180	69	45-95	
1,2-Diphenylhydrazine	3190	38 U	2600	81	54-120	
1,3-Dichlorobenzene	3160	38 U	2160	69	40-100	
1,4-Dichlorobenzene	3160	38 U	2230	71	35-105	
2,2'-oxybis[1-chloropropane]	3160	38 U	2280	72	20-115	
2,4,5-Trichlorophenol	3160	150 U	2580	82	50-110	
2,4,6-Trichlorophenol	3160	77 U	2540	80	45-110	
2,4-Dichlorophenol	3160	77 U	2470	78	45-110	
2,4-Dimethylphenol	3160	150 U	2530	80	30-105	
2,4-Dinitrophenol	6310	780 U	5260	83	15-130	
2,4-Dinitrotoluene	3160	150 U	2600	83	50-115	
2,6-Dinitrotoluene	3160	77 U	2570	81	50-110	
2-Chloronaphthalene	3160	38 U	2440	77	45-105	
2-Chlorophenol	3160	38 U	2390	76	45-105	
2-Methylnaphthalene	3160	38 U	2460	78	45-105	
2-Methylphenol	3160	38 U	2420	77	40-105	
2-Nitroaniline	3160	77 U	2670	85	45-120	
2-Nitrophenol	3160	77 U	2420	77	40-110	
3 & 4 Methylphenol	3160	77 U	2460	78	40-105	
3,3'-Dichlorobenzidine	3160	380 U	1770 J	56	10-130	
3-Nitroaniline	3160	150 U	2250	71	25-110	
4,6-Dinitro-2-methylphenol	6310	770 U	5840	92	30-135	
4-Bromophenyl phenyl ether	3160	38 U	2620	83	45-115	
4-Chloro-3-methylphenol	3160	150 U	2620	83	45-115	
4-Chloroaniline	3160	150 U	1920	61	10-95	
4-Chlorophenyl phenyl ether	3160	77 U	2590	82	45-110	
4-Nitroaniline	3160	150 U	2430	77	35-115	
4-Nitrophenol	6310	380 U	5200	82	15-140	
Acenaphthene	3160	20 U	2510	80	45-110	
Acenaphthylene	3160	38 U	2410	76	45-105	
Anthracene	3160	38 U	2560	81	55-105	
Benzo[a]anthracene	3160	38 U	2530	80	50-110	
Benzo[a]pyrene	3160	38 U	2550	81	50-110	
Benzo[b]fluoranthene	3160	38 U	2670	85	45-115	
Benzo[g,h,i]perylene	3160	38 U	2540	81	40-125	
Benzo[k]fluoranthene	3160	77 U	2700	86	45-125	
Benzoic acid	3160	770 U	2310	73	10-110	
Benzyl alcohol	3160	38 U	2370	75	20-125	
Bis(2-chloroethoxy)methane	3160	77 U	2400	76	45-110	
Bis(2-chloroethyl)ether	3160	38 U	2410	76	40-105	
Bis(2-ethylhexyl) phthalate	3160	77 U	2690	85	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y7642.D

Lab ID: 280-48651-1 MS Client ID: AOI474NW0102AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	3160	77 U	2590	82	50-125	
Carbazole	3160	78 U	2600	82	45-115	
Chrysene	3160	38 U	2530	80	55-110	
Dibenz(a,h)anthracene	3160	38 U	2610	83	40-125	
Dibenzofuran	3160	38 U	2540	81	50-105	
Diethyl phthalate	3160	38 U	2640	84	50-115	
Dimethyl phthalate	3160	190 J	2810	83	50-110	
Di-n-butyl phthalate	3160	38 U	2690	85	55-110	
Di-n-octyl phthalate	3160	77 U	2770	88	40-130	
Fluoranthene	3160	77 U	2690	85	55-115	
Fluorene	3160	38 U	2560	81	50-110	
Hexachlorobenzene	3160	77 U	2640	84	45-120	
Hexachlorobutadiene	3160	77 U	2350	75	40-115	
Hexachlorocyclopentadiene	3160	77 U	1940 J	62	35-123	
Hexachloroethane	3160	38 U	2180	69	35-110	
Indeno[1,2,3-cd]pyrene	3160	38 U	2600	82	40-120	
Isophorone	3160	38 U	2270	72	45-110	
Naphthalene	3160	77 U	2410	76	40-105	
Nitrobenzene	3160	38 U	2380	75	40-115	
N-Nitrosodimethylamine	3160	77 U	2080	66	20-115	
N-Nitrosodi-n-propylamine	3160	77 U	2400	76	40-115	
N-Nitrosodiphenylamine	3160	38 U	2460	78	50-115	
Pentachlorophenol	6310	780 U	5190	82	25-120	
Phenanthrene	3160	38 U	2640	83	50-110	
Phenol	3160	38 U	2420	77	40-100	
Pyrene	3160	38 U	2580	82	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y7643.D

Lab ID: 280-48651-1 MSD Client ID: AOI474NW0102AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3140	2290	73	1	30	45-110	
1,2-Dichlorobenzene	3140	2070	66	5	30	45-95	
1,2-Diphenylhydrazine	3170	2610	82	1	30	54-120	
1,3-Dichlorobenzene	3140	2040	65	6	30	40-100	
1,4-Dichlorobenzene	3140	2030	65	9	30	35-105	
2,2'-oxybis[1-chloropropane]	3140	2180	69	5	30	20-115	
2,4,5-Trichlorophenol	3140	2560	82	1	30	50-110	
2,4,6-Trichlorophenol	3140	2560	82	1	30	45-110	
2,4-Dichlorophenol	3140	2510	80	1	30	45-110	
2,4-Dimethylphenol	3140	2570	82	2	30	30-105	
2,4-Dinitrophenol	6270	5260	84	0	30	15-130	
2,4-Dinitrotoluene	3140	2650	85	2	30	50-115	
2,6-Dinitrotoluene	3140	2650	85	3	30	50-110	
2-Chloronaphthalene	3140	2490	79	2	30	45-105	
2-Chlorophenol	3140	2300	73	4	30	45-105	
2-Methylnaphthalene	3140	2490	79	1	30	45-105	
2-Methylphenol	3140	2350	75	3	30	40-105	
2-Nitroaniline	3140	2720	87	2	30	45-120	
2-Nitrophenol	3140	2470	79	2	30	40-110	
3 & 4 Methylphenol	3140	2460	78	0	30	40-105	
3,3'-Dichlorobenzidine	3140	1920	61	8	30	10-130	
3-Nitroaniline	3140	2260	72	1	30	25-110	
4,6-Dinitro-2-methylphenol	6270	5710	91	2	30	30-135	
4-Bromophenyl phenyl ether	3140	2650	85	1	30	45-115	
4-Chloro-3-methylphenol	3140	2700	86	3	30	45-115	
4-Chloroaniline	3140	1920	61	0	30	10-95	
4-Chlorophenyl phenyl ether	3140	2570	82	1	30	45-110	
4-Nitroaniline	3140	2470	79	1	30	35-115	
4-Nitrophenol	6270	5080	81	2	30	15-140	
Acenaphthene	3140	2530	81	1	30	45-110	
Acenaphthylene	3140	2430	78	1	30	45-105	
Anthracene	3140	2570	82	0	30	55-105	
Benzo[a]anthracene	3140	2600	83	3	30	50-110	
Benzo[a]pyrene	3140	2520	80	1	30	50-110	
Benzo[b]fluoranthene	3140	2660	85	0	30	45-115	
Benzo[g,h,i]perylene	3140	2460	78	3	30	40-125	
Benzo[k]fluoranthene	3140	2600	83	4	30	45-125	
Benzoic acid	3140	2260	72	2	30	10-110	
Benzyl alcohol	3140	2390	76	1	30	20-125	
Bis(2-chloroethoxy)methane	3140	2360	75	2	30	45-110	
Bis(2-chloroethyl)ether	3140	2290	73	5	30	40-105	
Bis(2-ethylhexyl) phthalate	3140	2740	88	2	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y7643.D

Lab ID: 280-48651-1 MSD Client ID: AOI474NW0102AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	3140	2650	84	2	30	50-125	
Carbazole	3140	2630	84	1	30	45-115	
Chrysene	3140	2580	82	2	30	55-110	
Dibenz(a,h)anthracene	3140	2590	83	1	30	40-125	
Dibenzofuran	3140	2560	82	1	30	50-105	
Diethyl phthalate	3140	2660	85	1	30	50-115	
Dimethyl phthalate	3140	2810	84	0	30	50-110	
Di-n-butyl phthalate	3140	2680	86	0	30	55-110	
Di-n-octyl phthalate	3140	2830	90	2	30	40-130	
Fluoranthene	3140	2700	86	0	30	55-115	
Fluorene	3140	2590	83	1	30	50-110	
Hexachlorobenzene	3140	2600	83	2	30	45-120	
Hexachlorobutadiene	3140	2360	75	0	30	40-115	
Hexachlorocyclopentadiene	3140	1900 J	61	2	30	35-123	
Hexachloroethane	3140	2080	66	5	30	35-110	
Indeno[1,2,3-cd]pyrene	3140	2600	83	0	30	40-120	
Isophorone	3140	2310	74	2	30	45-110	
Naphthalene	3140	2440	78	1	30	40-105	
Nitrobenzene	3140	2300	73	3	30	40-115	
N-Nitrosodimethylamine	3140	1870	60	11	30	20-115	
N-Nitrosodi-n-propylamine	3140	2330	74	3	30	40-115	
N-Nitrosodiphenylamine	3140	2500	80	2	30	50-115	
Pentachlorophenol	6270	5330	85	3	30	25-120	
Phenanthrene	3140	2670	85	1	30	50-110	
Phenol	3140	2370	76	2	30	40-100	
Pyrene	3140	2600	83	1	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab File ID: Y7492.D Lab Sample ID: MB 280-199334/1-A

Matrix: Water Date Extracted: 11/05/2013 13:46

Instrument ID: SMS_Y Date Analyzed: 11/14/2013 14:34

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-199334/2-A	Y7493.D	11/14/2013 15:02
	LCSD 280-199334/3-A	Y7494.D	11/14/2013 15:29
AOI474SW0102AA	280-48651-6	Y7496.D	11/14/2013 16:24
103013AE	280-48651-7	Y7497.D	11/14/2013 16:51

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab File ID: Y7639.D Lab Sample ID: MB 280-200642/1-A

Matrix: Solid Date Extracted: 11/12/2013 21:54

Instrument ID: SMS_Y Date Analyzed: 11/20/2013 13:14

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-200642/2-A	Y7640.D	11/20/2013 13:42
AOI474NW0102AA	280-48651-1	Y7641.D	11/20/2013 14:09
AOI474NW0102AA MS	280-48651-1 MS	Y7642.D	11/20/2013 14:37
AOI474NW0102AA MSD	280-48651-1 MSD	Y7643.D	11/20/2013 15:04
AOI474SW0102AA	280-48651-2	Y7652.D	11/20/2013 19:11
AOI474WW0102AA	280-48651-3	Y7653.D	11/20/2013 19:38
AOI474EW0102AA	280-48651-4	Y7654.D	11/20/2013 20:05
AOI474BT0103AA	280-48651-5	Y7655.D	11/20/2013 20:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab File ID: Y6520.D DFTPP Injection Date: 09/18/2013

Instrument ID: SMS_Y DFTPP Injection Time: 14:30

Analysis Batch No.: 192224

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	45.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	47.5	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	55.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	23.2	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	11.5	(78.1)3
442	Greater than 40.0 % of mass 198	74.7	
443	17.0 - 23.0 % of mass 442	14.7	(19.7)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-192224/10	Y6529.D	09/18/2013	18:09
	IC 280-192224/11	Y6530.D	09/18/2013	18:32
	IC 280-192224/12	Y6531.D	09/18/2013	18:55
	IC 280-192224/13	Y6532.D	09/18/2013	19:18
	IC 280-192224/14	Y6533.D	09/18/2013	19:41
	IC 280-192224/15	Y6534.D	09/18/2013	20:04
	IC 280-192224/16	Y6535.D	09/18/2013	20:27
	ICV 280-192224/17	Y6536.D	09/18/2013	20:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab File ID: Y6547.D DFTPP Injection Date: 09/19/2013

Instrument ID: SMS_Y DFTPP Injection Time: 09:12

Analysis Batch No.: 192194

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	42.9	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	53.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	24.4	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	13.0	(79.0)3
442	Greater than 40.0 % of mass 198	85.7	
443	17.0 - 23.0 % of mass 442	16.5	(19.3)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-192194/2	Y6548.D	09/19/2013	09:25
	IC 280-192194/3	Y6549.D	09/19/2013	09:53
	IC 280-192194/4	Y6550.D	09/19/2013	10:19
	IC 280-192194/5	Y6551.D	09/19/2013	10:45
	IC 280-192194/6	Y6552.D	09/19/2013	11:11
	IC 280-192194/7	Y6553.D	09/19/2013	11:37
	IC 280-192194/8	Y6554.D	09/19/2013	12:03
	ICV 280-192194/9	Y6555.D	09/19/2013	12:29
	ICV 280-192194/10	Y6556.D	09/19/2013	12:55
	ICV 280-192194/11	Y6557.D	09/19/2013	13:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab File ID: Y6816.D DFTPP Injection Date: 10/07/2013

Instrument ID: SMS_Y DFTPP Injection Time: 11:53

Analysis Batch No.: 194745

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	45.2	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	56.1	
197	Less than 1.0 % of mass 198	0.1	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	22.9	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	11.0	(75.3)3
442	Greater than 40.0 % of mass 198	74.5	
443	17.0 - 23.0 % of mass 442	14.6	(19.6)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-194745/2	Y6817.D	10/07/2013	12:06
	IC 280-194745/3	Y6818.D	10/07/2013	12:33
	IC 280-194745/4	Y6819.D	10/07/2013	13:00
	ICIS 280-194745/5	Y6820.D	10/07/2013	13:28
	IC 280-194745/6	Y6821.D	10/07/2013	13:55
	IC 280-194745/7	Y6822.D	10/07/2013	14:22
	IC 280-194745/8	Y6823.D	10/07/2013	14:50
	IC 280-194745/9	Y6824.D	10/07/2013	15:17
	ICV 280-194745/10	Y6825.D	10/07/2013	15:44
	ICV 280-194745/11	Y6826.D	10/07/2013	16:12
	ICV 280-194745/12	Y6827.D	10/07/2013	16:39

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab File ID: Y7488.D DFTPP Injection Date: 11/14/2013

Instrument ID: SMS_Y DFTPP Injection Time: 13:00

Analysis Batch No.: 201071

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	46.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	52.8	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	58.7	
197	Less than 1.0 % of mass 198	0.1	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	23.3	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	10.4	(78.8)3
442	Greater than 40.0 % of mass 198	69.5	
443	17.0 - 23.0 % of mass 442	13.2	(18.9)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-201071/2	Y7489.D	11/14/2013	13:12
	CCV 280-201071/3	Y7490.D	11/14/2013	13:39
	CCV 280-201071/4	Y7491.D	11/14/2013	14:07
	MB 280-199334/1-A	Y7492.D	11/14/2013	14:34
	LCS 280-199334/2-A	Y7493.D	11/14/2013	15:02
	LCSD 280-199334/3-A	Y7494.D	11/14/2013	15:29
AOI474SW0102AA	280-48651-6	Y7496.D	11/14/2013	16:24
103013AE	280-48651-7	Y7497.D	11/14/2013	16:51

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab File ID: Y7635.D DFTPP Injection Date: 11/20/2013

Instrument ID: SMS_Y DFTPP Injection Time: 11:40

Analysis Batch No.: 201912

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	45.1	
70	Less than 2.0 % of mass 69	0.5	(1.0)1
127	40.0 - 60.0 % of mass 198	55.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	24.4	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	10.5	(69.8)3
442	Greater than 40.0 % of mass 198	75.5	
443	17.0 - 23.0 % of mass 442	15.0	(19.9)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-201912/2	Y7636.D	11/20/2013	11:52
	CCV 280-201912/3	Y7637.D	11/20/2013	12:20
	CCV 280-201912/4	Y7638.D	11/20/2013	12:47
	MB 280-200642/1-A	Y7639.D	11/20/2013	13:14
	LCS 280-200642/2-A	Y7640.D	11/20/2013	13:42
AOI474NW0102AA	280-48651-1	Y7641.D	11/20/2013	14:09
AOI474NW0102AA MS	280-48651-1 MS	Y7642.D	11/20/2013	14:37
AOI474NW0102AA MSD	280-48651-1 MSD	Y7643.D	11/20/2013	15:04
AOI474SW0102AA	280-48651-2	Y7652.D	11/20/2013	19:11
AOI474WW0102AA	280-48651-3	Y7653.D	11/20/2013	19:38
AOI474EW0102AA	280-48651-4	Y7654.D	11/20/2013	20:05
AOI474BT0103AA	280-48651-5	Y7655.D	11/20/2013	20:33

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Sample No.: ICIS 280-194745/5 Date Analyzed: 10/07/2013 13:28

Instrument ID: SMS_Y GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): Y6820.D Heated Purge: (Y/N) N

Calibration ID: 15854

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		245960	4.37	996409	5.41	569258	6.88
UPPER LIMIT		491920	4.87	1992818	5.91	1138516	7.38
LOWER LIMIT		122980	3.87	498205	4.91	284629	6.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-194745/10		266854	4.36	1076227	5.41	619927	6.88
ICV 280-194745/11		334053	4.37	1323528	5.41	771483	6.87
ICV 280-194745/12		310098	4.36	1230524	5.40	724312	6.88
CCV 280-201071/2		184037	4.31	727417	5.36	409863	6.83
CCV 280-201071/3		178314	4.31	707367	5.36	396249	6.83
CCV 280-201071/4		181024	4.31	733698	5.36	402874	6.83
MB 280-199334/1-A		179530	4.31	726903	5.36	400714	6.83
LCS 280-199334/2-A		214859	4.31	844233	5.36	475485	6.83
LCSD 280-199334/3-A		182334	4.31	722493	5.36	405141	6.83
280-48651-6	AOI474SW0102AA	172812	4.31	691884	5.36	392352	6.83
280-48651-7	103013AE	174416	4.31	702243	5.36	392059	6.83
CCV 280-201912/2		367128	4.29	1428036	5.34	807455	6.81
CCV 280-201912/3		369923	4.29	1433480	5.34	821011	6.81
CCV 280-201912/4		337772	4.29	1316391	5.34	745502	6.81
MB 280-200642/1-A		313390	4.29	1209744	5.34	696962	6.81
LCS 280-200642/2-A		306524	4.29	1214134	5.34	698457	6.81
280-48651-1	AOI474NW0102AA	297744	4.29	1214807	5.34	690442	6.81
280-48651-1 MS	AOI474NW0102AA MS	303526	4.29	1232864	5.34	714945	6.81
280-48651-1 MSD	AOI474NW0102AA MSD	301431	4.29	1192563	5.34	693318	6.81
280-48651-2	AOI474SW0102AA	311098	4.29	1247576	5.34	712974	6.81
280-48651-3	AOI474WW0102AA	306421	4.29	1245472	5.34	717365	6.81
280-48651-4	AOI474EW0102AA	309493	4.29	1253770	5.34	722290	6.81
280-48651-5	AOI474BT0103AA	310149	4.29	1248879	5.34	709724	6.81

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Sample No.: ICIS 280-194745/5 Date Analyzed: 10/07/2013 13:28

Instrument ID: SMS_Y GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): Y6820.D Heated Purge: (Y/N) N

Calibration ID: 15854

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		942933	8.13	973421	11.82	902099	15.86
UPPER LIMIT		1885866	8.63	1946842	12.32	1804198	16.36
LOWER LIMIT		471467	7.63	486711	11.32	451050	15.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-194745/10		1014574	8.14	1051987	11.82	981538	15.86
ICV 280-194745/11		1299243	8.14	1363426	11.82	1256570	15.86
ICV 280-194745/12		1149481	8.14	1196117	11.81	1127469	15.86
CCV 280-201071/2		652844	8.09	676082	11.71	627608	15.69
CCV 280-201071/3		652500	8.09	657145	11.70	616123	15.69
CCV 280-201071/4		683211	8.09	701733	11.69	671156	15.69
MB 280-199334/1-A		671684	8.09	698012	11.70	663395	15.69
LCS 280-199334/2-A		793199	8.09	813764	11.71	750955	15.70
LCSD 280-199334/3-A		679456	8.09	691849	11.71	635947	15.69
280-48651-6	AOI474SW0102AA	644574	8.09	670801	11.70	622054	15.70
280-48651-7	103013AE	650692	8.09	674491	11.70	619095	15.69
CCV 280-201912/2		1316956	8.07	1402613	11.67	1271795	15.64
CCV 280-201912/3		1368126	8.07	1446198	11.66	1329870	15.63
CCV 280-201912/4		1241909	8.07	1363177	11.66	1277471	15.63
MB 280-200642/1-A		1188263	8.07	1247318	11.66	1161713	15.63
LCS 280-200642/2-A		1147057	8.07	1227524	11.66	1128487	15.63
280-48651-1	AOI474NW0102AA	1182549	8.07	1231015	11.66	1129927	15.63
280-48651-1 MS	AOI474NW0102AA MS	1174329	8.07	1240324	11.66	1097176	15.63
280-48651-1 MSD	AOI474NW0102AA MSD	1138611	8.07	1178529	11.66	1073615	15.64
280-48651-2	AOI474SW0102AA	1207047	8.07	1235959	11.65	1136270	15.63
280-48651-3	AOI474WW0102AA	1191713	8.07	1230654	11.66	1117323	15.63
280-48651-4	AOI474EW0102AA	1222653	8.07	1248254	11.65	1133929	15.62
280-48651-5	AOI474BT0103AA	1214505	8.07	1241081	11.65	1146096	15.63

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA | Lab Sample ID: 280-48651-1

Matrix: Solid | Lab File ID: Y7641.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.4(g) | Date Analyzed: 11/20/2013 14:09

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	190	U	380	190	58
95-94-3	1,2,4,5-Tetrachlorobenzene	78	U	380	78	57
120-82-1	1,2,4-Trichlorobenzene	38	U	380	38	33
95-50-1	1,2-Dichlorobenzene	38	U	380	38	26
122-66-7	1,2-Diphenylhydrazine	38	U	380	38	26
541-73-1	1,3-Dichlorobenzene	38	U	380	38	14
106-46-7	1,4-Dichlorobenzene	38	U	380	38	16
108-60-1	2,2'-oxybis[1-chloropropane]	38	U	380	38	27
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	1900	190	160
95-95-4	2,4,5-Trichlorophenol	150	U	380	150	12
88-06-2	2,4,6-Trichlorophenol	77	U	380	77	12
120-83-2	2,4-Dichlorophenol	77	U	380	77	12
105-67-9	2,4-Dimethylphenol	150	U	380	150	77
51-28-5	2,4-Dinitrophenol	780	U	1900	780	390
121-14-2	2,4-Dinitrotoluene	150	U	380	150	77
87-65-0	2,6-Dichlorophenol	150	U	380	150	80
606-20-2	2,6-Dinitrotoluene	77	U	380	77	33
91-58-7	2-Chloronaphthalene	38	U	380	38	12
95-57-8	2-Chlorophenol	38	U	380	38	24
91-57-6	2-Methylnaphthalene	38	U	380	38	22
95-48-7	2-Methylphenol	38	U	380	38	15
88-74-4	2-Nitroaniline	77	U	1900	77	58
88-75-5	2-Nitrophenol	77	U	380	77	12
15831-10-4	3 & 4 Methylphenol	77	U	380	77	38
91-94-1	3,3'-Dichlorobenzidine	380	U	1900	380	100
99-09-2	3-Nitroaniline	150	U	1900	150	85
534-52-1	4,6-Dinitro-2-methylphenol	770	U	1900	770	380
101-55-3	4-Bromophenyl phenyl ether	38	U	380	38	22
59-50-7	4-Chloro-3-methylphenol	150	U	380	150	77
106-47-8	4-Chloroaniline	150	U	380	150	95
7005-72-3	4-Chlorophenyl phenyl ether	77	U	380	77	24
100-01-6	4-Nitroaniline	150	U	1900	150	84
100-02-7	4-Nitrophenol	380	U	1900	380	110
83-32-9	Acenaphthene	20	U	380	20	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA | Lab Sample ID: 280-48651-1

Matrix: Solid | Lab File ID: Y7641.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.4(g) | Date Analyzed: 11/20/2013 14:09

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	38	U	380	38	20
98-86-2	Acetophenone	38	U	380	38	23
120-12-7	Anthracene	38	U	380	38	20
1912-24-9	Atrazine	150	U	380	150	43
100-52-7	Benzaldehyde	78	U	380	78	45
92-87-5	Benzidine	4600	U	4600	4600	1100
56-55-3	Benzo[a]anthracene	38	U	380	38	23
50-32-8	Benzo[a]pyrene	38	U	380	38	23
205-99-2	Benzo[b]fluoranthene	38	U	380	38	30
191-24-2	Benzo[g,h,i]perylene	38	U	380	38	19
207-08-9	Benzo[k]fluoranthene	77	U	380	77	46
65-85-0	Benzoic acid	770	U	1900	770	380
100-51-6	Benzyl alcohol	38	U	380	38	12
111-91-1	Bis(2-chloroethoxy)methane	77	U	380	77	27
111-44-4	Bis(2-chloroethyl)ether	38	U	380	38	19
117-81-7	Bis(2-ethylhexyl) phthalate	77	U	380	77	53
85-68-7	Butyl benzyl phthalate	77	U	380	77	50
105-60-2	Caprolactam	380	U	1900	380	120
86-74-8	Carbazole	78	U	380	78	42
218-01-9	Chrysene	38	U	380	38	31
53-70-3	Dibenz(a,h)anthracene	38	U	380	38	22
132-64-9	Dibenzofuran	38	U	380	38	23
84-66-2	Diethyl phthalate	38	U	770	38	30
131-11-3	Dimethyl phthalate	190	J	380	38	27
84-74-2	Di-n-butyl phthalate	38	U	380	38	34
117-84-0	Di-n-octyl phthalate	77	U	380	77	17
206-44-0	Fluoranthene	77	U	380	77	42
86-73-7	Fluorene	38	U	380	38	21
118-74-1	Hexachlorobenzene	77	U	380	77	34
87-68-3	Hexachlorobutadiene	77	U	380	77	12
77-47-4	Hexachlorocyclopentadiene	77	U	2000	77	58
67-72-1	Hexachloroethane	38	U	380	38	25
193-39-5	Indeno[1,2,3-cd]pyrene	38	U	380	38	26
78-59-1	Isophorone	38	U	380	38	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA | Lab Sample ID: 280-48651-1

Matrix: Solid | Lab File ID: Y7641.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.4(g) | Date Analyzed: 11/20/2013 14:09

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	77	U	380	77	36
98-95-3	Nitrobenzene	38	U	380	38	26
62-75-9	N-Nitrosodimethylamine	77	U	600	77	43
621-64-7	N-Nitrosodi-n-propylamine	77	U	380	77	36
86-30-6	N-Nitrosodiphenylamine	38	U	380	38	24
930-55-2	N-Nitrosopyrrolidine	150	U	380	150	74
87-86-5	Pentachlorophenol	780	U	1900	780	380
85-01-8	Phenanthrene	38	U	380	38	20
108-95-2	Phenol	38	U	380	38	21
129-00-0	Pyrene	38	U	460	38	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		35-125
321-60-8	2-Fluorobiphenyl	82		45-105
367-12-4	2-Fluorophenol (Surr)	79		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	79		35-100
4165-62-2	Phenol-d5 (Surr)	81		40-100
1718-51-0	Terphenyl-d14 (Surr)	88		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7641.D
Lims ID: 280-48651-A-1-E Lab Sample ID: 280-48651-1
Client ID: AOI474NW0102AA
Sample Type: Client
Inject. Date: 20-Nov-2013 14:09:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-1-e
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:12:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.287	4.287	0.0	98	297744	40.0	
* 2 Naphthalene-d8	136	5.339	5.339	0.0	100	1214807	40.0	
* 3 Acenaphthene-d10	164	6.814	6.814	0.0	93	690442	40.0	
* 4 Phenanthrene-d10	188	8.065	8.071	-0.006	97	1182549	40.0	
* 5 Chrysene-d12	240	11.655	11.655	0.0	97	1231015	40.0	
* 6 Perylene-d12	264	15.633	15.627	0.006	97	1129927	40.0	
$ 7 2-Fluorophenol	112	3.241	3.241	0.0	92	858392	78.5	
$ 8 Phenol-d5	99	3.970	3.970	0.0	84	1138494	80.9	
$ 9 Nitrobenzene-d5	82	4.745	4.745	0.0	88	1014788	79.2	
$ 10 2,4,6-Trichlorophenol-d2	198		6.225					
$ 11 2-Fluorobiphenyl	172	6.220	6.220	0.0	99	1807708	82.4	
$ 12 2,4,6-Tribromophenol	330	7.477	7.483	-0.006	92	295127	83.2	
$ 13 Terphenyl-d14	244	9.693	9.698	-0.005	98	2194558	88.1	
25 Triethyl amine	86		1.954					
26 2-Ethoxyethanol	59		2.124					
27 1,4-Dioxane	88		1.908					
28 N-Nitrosodimethylamine	74		2.160					
29 Pyridine	79		2.201					
30 Dimethylformamide	73		2.653					
31 2-Picoline	93		2.786					
32 N-Nitrosomethylethylamine	88		2.874					
33 Acrylamide	71		3.079					
34 Methyl methanesulfonate	80		3.109					
35 N-Nitrosodiethylamine	102		3.426					
36 Pentachlorophenol_T	266		3.708					
37 Ethyl methanesulfonate	79		3.649					
39 Benzaldehyde	106		3.947					
40 Phenol	94		3.982					
41 Methyl styrene	118		4.360					
42 Phenylmercaptan	110		4.043					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
43 Aniline	93		4.023					
44 Alpha Methyl Styrene	118		4.046					
45 Bis(2-chloroethyl)ether	93		4.052					
46 Pentachloroethane	117		4.066					
47 n-Decane	43		4.099					
48 2-Chlorophenol	128		4.123					
49 1,3-Dichlorobenzene	146		4.246					
50 1,4-Dichlorobenzene	146		4.305					
51 Benzyl alcohol	108		4.387					
52 1,2-Dichlorobenzene	146		4.434					
53 Benzidine_T	184		4.805					
54 2-Methylphenol	108		4.469					
55 2,2'-oxybis[1-chloropropane]	45		4.475					
56 Indene	116		4.499					
58 3-Methylphenol	108		4.593					
59 4-Methylphenol	108		4.593					
60 3 & 4 Methylphenol	108		4.593					
61 N-Nitrosodi-n-propylamine	70		4.587					
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105		4.610					
64 N-Nitrosomorpholine	116		4.625					
65 2-Toluidine	106		4.642					
66 Hexachloroethane	117		4.704					
67 Nitrobenzene	77		4.763					
69 Triethyl phosphate	99		4.880					
70 N-Nitrosopiperidine	114		4.883					
71 Isophorone	82		4.939					
73 2,4-Dimethylphenol	107		5.027					
74 2-Nitrophenol	139		5.022					
75 Benzyl dichloride	125		5.121					
76 o,o',o''-Triethylphosphorothioat	198		5.054					
77 Benzoic acid	105		5.104					
78 Bis(2-chloroethoxy)methane	93		5.098					
79 3,5-Dimethylphenol	107		5.133					
80 2,4-Xylidine	121		5.274					
81 alpha,alpha-Dimethyl phenethylam	58		5.165					
82 2,4-Dichlorophenol	162		5.215					
83 o-Anisidine	80		5.310					
84 1,2,4-Trichlorobenzene	180		5.286					
85 Alpha-Terpineol	59		5.383					
86 4-chlorobenzenethiol	144		5.946					
87 Naphthalene	128		5.362					
88 4-Chloroaniline	127		5.398					
89 2,6-Dichlorophenol	162		5.400					
90 Hexachloropropene	213		5.424					
91 Hexachlorobutadiene	225		5.433					
92 Quinoline	129		5.635					
93 N-Nitrosodi-n-butylamine	84		5.635					
94 Caprolactam	55		5.686					
95 p-Phenylene diamine	108		5.688					
97 4-Chloro-3-methylphenol	107		5.785					
98 Safrole, Total	162		5.835					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
99 Carbofuran phenol	164		5.920					
100 1,3-phenylenediamine	108		5.950					
101 2-Methylnaphthalene	142		5.932					
102 Phthalic anhydride	76		6.035					
103 1-Methylnaphthalene	142		6.015					
104 Methyl 4-chlorophenyl sulfide	158		6.753					
105 Hexachlorocyclopentadiene	237		6.050					
106 1,2,4,5-Tetrachlorobenzene	216		6.067					
107 Isosafrole Peak 1	162		6.082					
108 2,4,6-Trichlorophenol	196		6.161					
109 2,3-Dichlorobenzenamine	161		6.173					
110 2,4,5-Trichlorophenol	196		6.203					
111 Isosafrole Peak 2	104		6.270					
112 1,1'-Biphenyl	154		6.314					
113 Toluene diamine (2,4- + 2,6- iso	122		6.390					
114 2-Chloronaphthalene	162		6.344					
115 1-Chloronaphthalene	162		6.370					
116 2-Nitroaniline	65		6.432					
117 1,4-Naphthoquinone	158		6.493					
118 1,4-Dinitrobenzene	168		6.540					
119 Dimethyl phthalate	163	6.537	6.543	-0.006	97	108475	4.88	
120 1,3-Dinitrobenzene	168		6.602					
121 2,6-Dinitrotoluene	165		6.620					
122 Acenaphthylene	152		6.702					
123 3-Nitroaniline	138		6.778					
124 Acenaphthene	153		6.843					
125 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.686					
126 2,4-Dinitrophenol	184		6.861					
127 4-Nitrophenol	109		6.908					
128 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.791					
129 Pentachlorobenzene	250		6.945					
130 2,4-Dinitrotoluene	165		6.960					
131 n-hydroxymethylphthalimide	147		7.846					
132 Dibenzofuran	168		6.984					
133 1-Naphthylamine	143		7.057					
134 2,3,4,6-Tetrachlorophenol	232		7.084					
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.968					
136 Hexadecane	57		7.090					
137 2-Naphthylamine	143		7.122					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.003					
139 Diethyl phthalate	149		7.125					
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.073					
141 Thionazin	97		7.192					
142 4-Chlorophenyl phenyl ether	204		7.248					
143 Fluorene	166		7.272					
144 Tributyl phosphate	99		7.330					
145 N-Nitro-o-toluidine	152		7.280					
146 4-Nitroaniline	138		7.295					
147 4,6-Dinitro-2-methylphenol	198		7.307					
148 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.209					
149 Diphenylamine	169		7.351					
150 N-Nitrosodiphenylamine	169		7.348					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
151 1,2-Diphenylhydrazine	77		7.384					
152 Azobenzene	77		7.384					
153 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.303					
154 Sulfotepp	97		7.427					
155 2,4,6 - Tribromophenol	330		7.483					
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.402					
157 Phenyl sulfide	186		8.475					
158 Diallate Peak 1	86		7.562					
159 1,3,5-Trinitrobenzene	213		7.574					
160 Phorate	121		7.574					
161 Phenacetin	108		7.592					
162 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.538					
163 Diallate Peak 2	86		7.639					
164 4-Bromophenyl phenyl ether	248		7.666					
165 Hexachlorobenzene	284		7.736					
166 Dimethoate	87		7.739					
167 Atrazine	200		7.771					
168 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.755					
169 n-Octadecane	85		7.854					
170 4-Aminobiphenyl	169		7.891					
171 Pentachlorophenol	266		7.901					
172 Pronamide	173		7.897					
173 Pentachloronitrobenzene	237		7.903					
174 Disulfoton	88		8.009					
175 Dinoseb	211		8.021					
176 Phenanthrene	178		8.094					
177 Anthracene	178		8.136					
178 Carbazole	167		8.265					
179 Alachlor	188		8.324					
180 Methyl parathion	109		8.344					
181 Di-n-butyl phthalate	149		8.482					
182 Phenyl disulfide	109		9.515					
183 Ethyl Parathion	109		8.679					
184 4-Nitroquinoline-1-oxide	190		8.796					
185 Methapyrilene	97		8.796					
186 Diphenylsulfone	125		9.844					
187 Isodrin	193		9.061					
188 Fluoranthene	202		9.252					
189 Benzidine	184		9.393					
190 Octachlorostyrene	308		10.220					
191 Pyrene	202		9.552					
192 Aramite Peak 1	185		9.595					
193 Aramite Peak 2	185		9.707					
194 p-Dimethylamino azobenzene	120		9.901					
195 Chlorobenzilate	251		9.936					
196 4,4-Dichlorobenzil	139		10.602					
197 Famphur	218		10.357					
198 Butyl benzyl phthalate	149		10.427					
199 3,3'-Dimethylbenzidine	212		10.477					
201 p-chlorophenyl sulfone	159		10.896					
202 2-Acetylaminofluorene	181		10.958					
203 Bis(2-ethylhexyl) phthalate	149		11.561					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
204 4,4'-Methylene bis(2-chloroanili	231		11.581					
205 3,3'-Dichlorobenzidine	252		11.590					
206 Benzo[a]anthracene	228		11.637					
207 Chrysene	228		11.725					
208 6-Methylchrysene	242		12.821					
209 Di-n-octyl phthalate	149		13.288					
210 7,12-Dimethylbenz(a)anthracene	256		14.443					
211 Benzo[b]fluoranthene	252		14.463					
212 Benzo[k]fluoranthene	252		14.552					
213 Hexachlorophene	196		15.313					
214 Benzo[e]pyrene	252		15.304					
215 Benzo[a]pyrene	252		15.456					
216 Perylene	252		15.996					
217 3-Methylcholanthrene	268		16.558					
218 Tris(2,3-dibromopropyl)phosphate	119		17.506					
219 Dibenz[a,h]acridine	279		18.320					
220 Dibenz[a,j]acridine	279		18.491					
221 Dibenz(a,h)anthracene	278		19.099					
222 Indeno[1,2,3-cd]pyrene	276		19.023					
223 Benzo[g,h,i]perylene	276		19.640					
224 Dibenzo[a,e]pyrene	302		22.745					
S 225 Methyl Phenols,Total	108		15.496					
S 226 Total Cresols	108		15.496					
S 227 Aramite, Total	185		15.496					
S 228 Diallate	86		15.496					
S 229 Isosafrole	162		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzofurans TIC	1		0.0					
T 15 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 16 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Pentachlorodibenzofurans TIC	1		0.0					
T 20 2,6-Dimethylphenol	1		0.0					
21 1,2,3,4-Tetrahydronaphthalene	1		0.0					
22 2-Phenoxyethanol	1		0.0					
T 23 Pentachlorodibenzo-p-dioxin TIC	1		0.0					
24 2-Butoxyethanol	1		0.0					
57 4,4'-DDE	246		4.905					
68 4,4'-DDD	235		5.199					
72 4,4'-DDT	235		5.399					

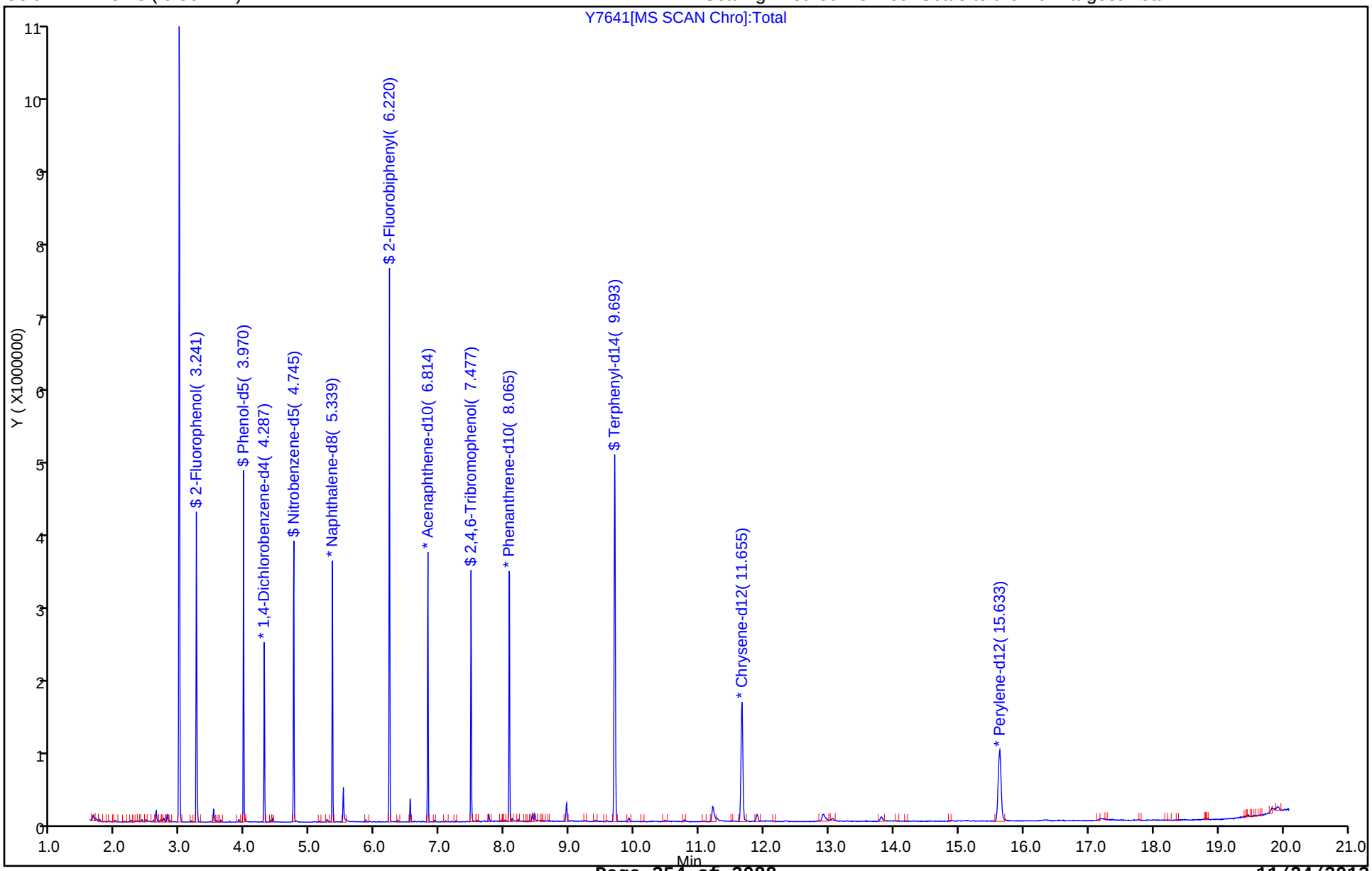
Report Date: 21-Nov-2013 08:22:09 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7641.D

Injection Date:	20-Nov-2013 14:09:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-1-E	Lab Sample ID:	280-48651-1	Worklist Smp#:	7
Client ID:	AOI474NW0102AA				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



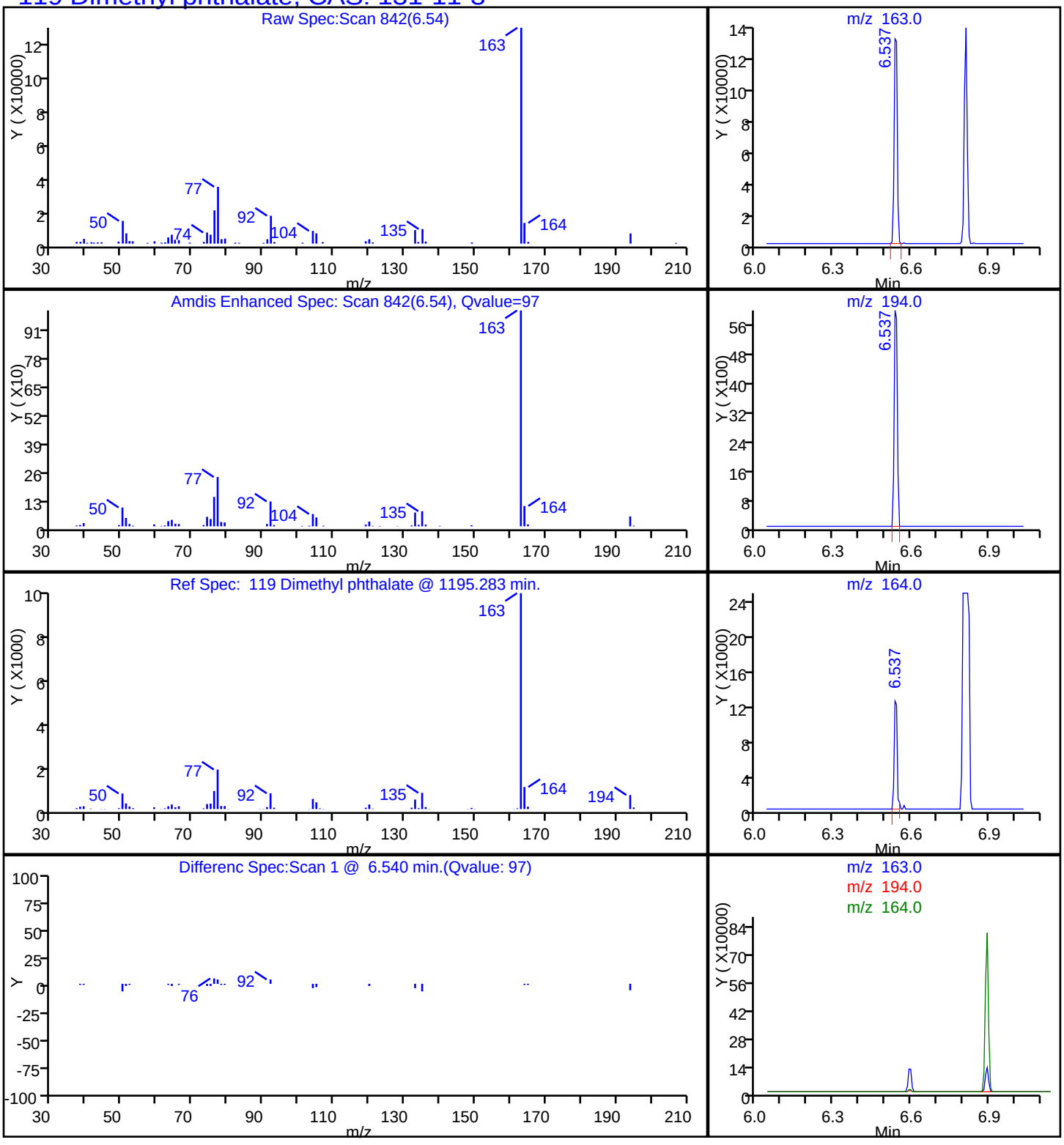
Report Date: 21-Nov-2013 08:22:09 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7641.D

Injection Date:	20-Nov-2013 14:09:30	Instrument ID:	SMS_Y		
Lims ID:	280-48651-A-1-E	Lab Sample ID:	280-48651-1		
Client ID:	AOI474NW0102AA				
Operator ID:	hoffmanm	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

119 Dimethyl phthalate, CAS: 131-11-3



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474SW0102AA | Lab Sample ID: 280-48651-2

Matrix: Solid | Lab File ID: Y7652.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:05

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 32.1(g) | Date Analyzed: 11/20/2013 19:11

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 15.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	180	U	370	180	55
95-94-3	1,2,4,5-Tetrachlorobenzene	74	U	370	74	54
120-82-1	1,2,4-Trichlorobenzene	37	U	370	37	31
95-50-1	1,2-Dichlorobenzene	37	U	370	37	24
122-66-7	1,2-Diphenylhydrazine	37	U	370	37	24
541-73-1	1,3-Dichlorobenzene	37	U	370	37	13
106-46-7	1,4-Dichlorobenzene	37	U	370	37	15
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	370	37	25
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	1800	180	150
95-95-4	2,4,5-Trichlorophenol	140	U	370	140	11
88-06-2	2,4,6-Trichlorophenol	73	U	370	73	11
120-83-2	2,4-Dichlorophenol	73	U	370	73	11
105-67-9	2,4-Dimethylphenol	140	U	370	140	73
51-28-5	2,4-Dinitrophenol	740	U	1800	740	370
121-14-2	2,4-Dinitrotoluene	140	U	370	140	73
87-65-0	2,6-Dichlorophenol	140	U	370	140	76
606-20-2	2,6-Dinitrotoluene	73	U	370	73	31
91-58-7	2-Chloronaphthalene	37	U	370	37	11
95-57-8	2-Chlorophenol	37	U	370	37	23
91-57-6	2-Methylnaphthalene	37	U	370	37	21
95-48-7	2-Methylphenol	37	U	370	37	14
88-74-4	2-Nitroaniline	73	U	1800	73	55
88-75-5	2-Nitrophenol	73	U	370	73	11
15831-10-4	3 & 4 Methylphenol	73	U	370	73	37
91-94-1	3,3'-Dichlorobenzidine	370	U	1800	370	100
99-09-2	3-Nitroaniline	150	U	1800	150	81
534-52-1	4,6-Dinitro-2-methylphenol	730	U	1800	730	370
101-55-3	4-Bromophenyl phenyl ether	37	U	370	37	21
59-50-7	4-Chloro-3-methylphenol	140	U	370	140	73
106-47-8	4-Chloroaniline	140	U	370	140	91
7005-72-3	4-Chlorophenyl phenyl ether	73	U	370	73	23
100-01-6	4-Nitroaniline	140	U	1800	140	80
100-02-7	4-Nitrophenol	370	U	1800	370	110
83-32-9	Acenaphthene	19	U	370	19	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474SW0102AA | Lab Sample ID: 280-48651-2

Matrix: Solid | Lab File ID: Y7652.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:05

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 32.1(g) | Date Analyzed: 11/20/2013 19:11

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 15.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	37	U	370	37	19
98-86-2	Acetophenone	37	U	370	37	22
120-12-7	Anthracene	37	U	370	37	19
1912-24-9	Atrazine	140	U	370	140	41
100-52-7	Benzaldehyde	74	U	370	74	43
92-87-5	Benzidine	4400	U	4400	4400	1100
56-55-3	Benzo[a]anthracene	37	U	370	37	22
50-32-8	Benzo[a]pyrene	37	U	370	37	22
205-99-2	Benzo[b]fluoranthene	37	U	370	37	29
191-24-2	Benzo[g,h,i]perylene	37	U	370	37	18
207-08-9	Benzo[k]fluoranthene	73	U	370	73	44
65-85-0	Benzoic acid	730	U	1800	730	370
100-51-6	Benzyl alcohol	37	U	370	37	11
111-91-1	Bis(2-chloroethoxy)methane	73	U	370	73	25
111-44-4	Bis(2-chloroethyl)ether	37	U	370	37	18
117-81-7	Bis(2-ethylhexyl) phthalate	73	U	370	73	51
85-68-7	Butyl benzyl phthalate	73	U	370	73	48
105-60-2	Caprolactam	370	U	1800	370	120
86-74-8	Carbazole	74	U	370	74	40
218-01-9	Chrysene	37	U	370	37	30
53-70-3	Dibenz(a,h)anthracene	37	U	370	37	21
132-64-9	Dibenzofuran	37	U	370	37	22
84-66-2	Diethyl phthalate	37	U	730	37	29
131-11-3	Dimethyl phthalate	230	J	370	37	25
84-74-2	Di-n-butyl phthalate	37	U	370	37	32
117-84-0	Di-n-octyl phthalate	73	U	370	73	16
206-44-0	Fluoranthene	73	U	370	73	40
86-73-7	Fluorene	37	U	370	37	20
118-74-1	Hexachlorobenzene	73	U	370	73	32
87-68-3	Hexachlorobutadiene	73	U	370	73	11
77-47-4	Hexachlorocyclopentadiene	73	U	1900	73	55
67-72-1	Hexachloroethane	37	U	370	37	24
193-39-5	Indeno[1,2,3-cd]pyrene	37	U	370	37	24
78-59-1	Isophorone	37	U	370	37	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474SW0102AA | Lab Sample ID: 280-48651-2

Matrix: Solid | Lab File ID: Y7652.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:05

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 32.1(g) | Date Analyzed: 11/20/2013 19:11

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 15.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	73	U	370	73	34
98-95-3	Nitrobenzene	37	U	370	37	24
62-75-9	N-Nitrosodimethylamine	73	U	580	73	41
621-64-7	N-Nitrosodi-n-propylamine	73	U	370	73	34
86-30-6	N-Nitrosodiphenylamine	37	U	370	37	23
930-55-2	N-Nitrosopyrrolidine	140	U	370	140	71
87-86-5	Pentachlorophenol	740	U	1800	740	370
85-01-8	Phenanthrene	37	U	370	37	19
108-95-2	Phenol	37	U	370	37	20
129-00-0	Pyrene	37	U	440	37	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	77		35-125
321-60-8	2-Fluorobiphenyl	81		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	79		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	87		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7652.D
Lims ID: 280-48651-A-2-C Lab Sample ID: 280-48651-2
Client ID: AOI474SW0102AA
Sample Type: Client
Inject. Date: 20-Nov-2013 19:11:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-2-c
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:18:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.290	4.287	0.003	97	311098	40.0	
* 2 Naphthalene-d8	136	5.341	5.339	0.002	100	1247576	40.0	
* 3 Acenaphthene-d10	164	6.810	6.814	-0.004	93	712974	40.0	
* 4 Phenanthrene-d10	188	8.068	8.071	-0.003	97	1207047	40.0	
* 5 Chrysene-d12	240	11.652	11.655	-0.003	97	1235959	40.0	
* 6 Perylene-d12	264	15.629	15.627	0.002	97	1136270	40.0	
$ 7 2-Fluorophenol	112	3.244	3.241	0.003	92	868447	76.0	
$ 8 Phenol-d5	99	3.972	3.970	0.002	91	1154627	78.6	
$ 9 Nitrobenzene-d5	82	4.742	4.745	-0.003	89	1039872	79.0	
$ 11 2-Fluorobiphenyl	172	6.223	6.220	0.003	99	1839338	81.2	
$ 12 2,4,6-Tribromophenol	330	7.480	7.483	-0.003	93	282602	77.1	
$ 13 Terphenyl-d14	244	9.695	9.698	-0.003	98	2181917	87.3	
28 N-Nitrosodimethylamine	74		2.160					
39 Benzaldehyde	106		3.947					
40 Phenol	94		3.982					
45 Bis(2-chloroethyl)ether	93		4.052					
48 2-Chlorophenol	128		4.123					
49 1,3-Dichlorobenzene	146		4.246					
50 1,4-Dichlorobenzene	146		4.305					
51 Benzyl alcohol	108		4.387					
52 1,2-Dichlorobenzene	146		4.434					
54 2-Methylphenol	108		4.469					
55 2,2'-oxybis[1-chloropropane]	45		4.475					
60 3 & 4 Methylphenol	108		4.593					
61 N-Nitrosodi-n-propylamine	70		4.587					
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105		4.610					
66 Hexachloroethane	117		4.704					
67 Nitrobenzene	77		4.763					
71 Isophorone	82		4.939					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
73 2,4-Dimethylphenol	107		5.027					
74 2-Nitrophenol	139		5.022					
77 Benzoic acid	105		5.104					
78 Bis(2-chloroethoxy)methane	93		5.098					
82 2,4-Dichlorophenol	162		5.215					
84 1,2,4-Trichlorobenzene	180		5.286					
87 Naphthalene	128		5.362					
88 4-Chloroaniline	127		5.398					
89 2,6-Dichlorophenol	162		5.400					
91 Hexachlorobutadiene	225		5.433					
94 Caprolactam	55		5.686					
97 4-Chloro-3-methylphenol	107		5.785					
101 2-Methylnaphthalene	142		5.932					
105 Hexachlorocyclopentadiene	237		6.050					
106 1,2,4,5-Tetrachlorobenzene	216		6.067					
108 2,4,6-Trichlorophenol	196		6.161					
110 2,4,5-Trichlorophenol	196		6.203					
112 1,1'-Biphenyl	154		6.314					
114 2-Chloronaphthalene	162		6.344					
116 2-Nitroaniline	65		6.432					
119 Dimethyl phthalate	163	6.540	6.543	-0.003	97	144157	6.28	
121 2,6-Dinitrotoluene	165		6.620					
122 Acenaphthylene	152		6.702					
123 3-Nitroaniline	138		6.778					
124 Acenaphthene	153		6.843					
126 2,4-Dinitrophenol	184		6.861					
127 4-Nitrophenol	109		6.908					
130 2,4-Dinitrotoluene	165		6.960					
132 Dibenzofuran	168		6.984					
134 2,3,4,6-Tetrachlorophenol	232		7.084					
139 Diethyl phthalate	149		7.125					
142 4-Chlorophenyl phenyl ether	204		7.248					
143 Fluorene	166		7.272					
146 4-Nitroaniline	138		7.295					
147 4,6-Dinitro-2-methylphenol	198		7.307					
150 N-Nitrosodiphenylamine	169		7.348					
151 1,2-Diphenylhydrazine	77		7.384					
164 4-Bromophenyl phenyl ether	248		7.666					
165 Hexachlorobenzene	284		7.736					
167 Atrazine	200		7.771					
171 Pentachlorophenol	266		7.901					
176 Phenanthrene	178		8.094					
177 Anthracene	178		8.136					
178 Carbazole	167		8.265					
181 Di-n-butyl phthalate	149		8.482					
188 Fluoranthene	202		9.252					
189 Benzidine	184		9.393					
191 Pyrene	202		9.552					
198 Butyl benzyl phthalate	149		10.427					
203 Bis(2-ethylhexyl) phthalate	149		11.561					
205 3,3'-Dichlorobenzidine	252		11.590					
206 Benzo[a]anthracene	228		11.637					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
207 Chrysene	228		11.725					
209 Di-n-octyl phthalate	149		13.288					
211 Benzo[b]fluoranthene	252		14.463					
212 Benzo[k]fluoranthene	252		14.552					
215 Benzo[a]pyrene	252		15.456					
221 Dibenz(a,h)anthracene	278		19.099					
222 Indeno[1,2,3-cd]pyrene	276		19.023					
223 Benzo[g,h,i]perylene	276		19.640					

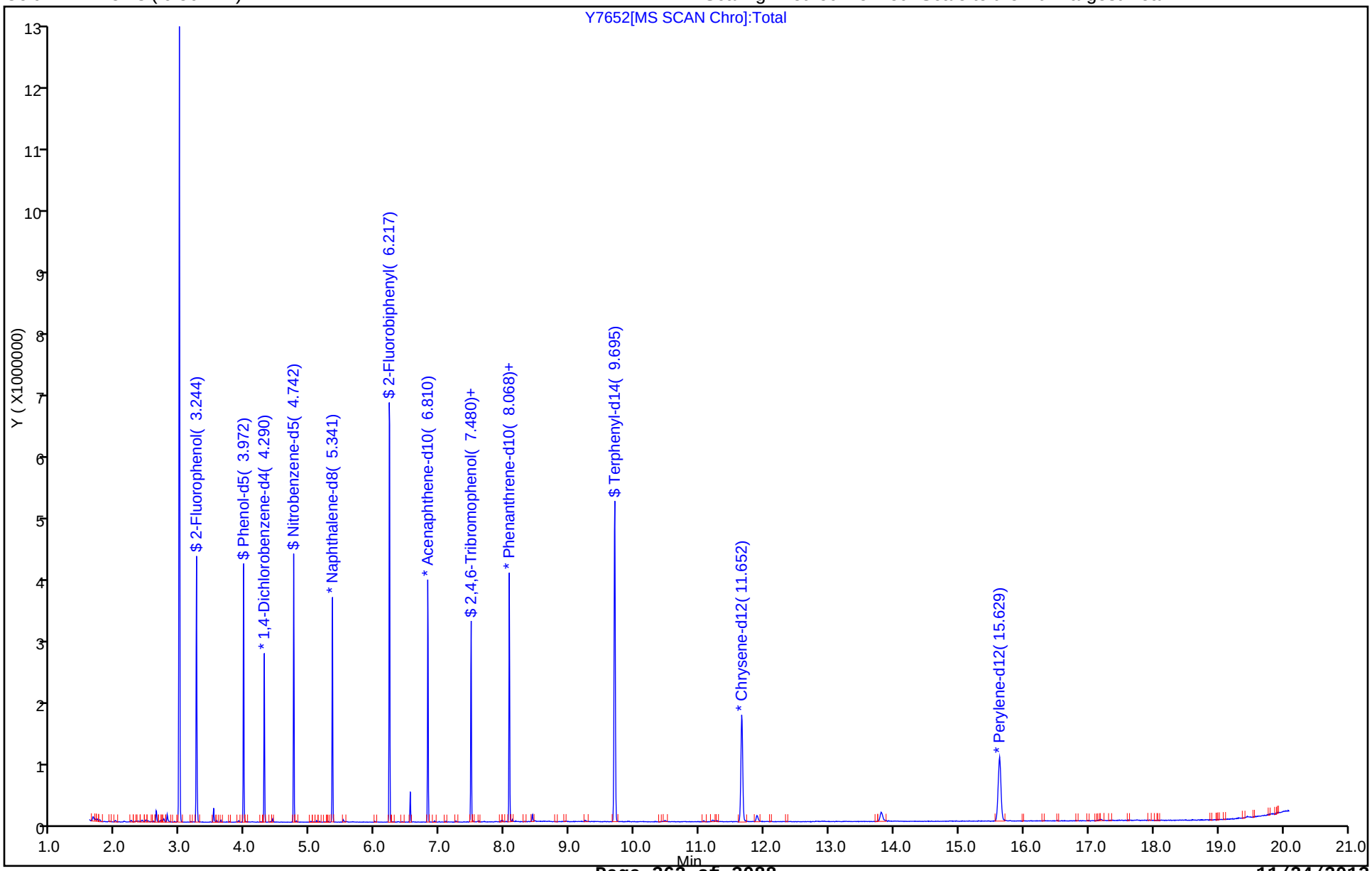
Report Date: 21-Nov-2013 08:22:18 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7652.D

Injection Date:	20-Nov-2013 19:11:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-2-C	Lab Sample ID:	280-48651-2	Worklist Smp#:	18
Client ID:	AOI474SW0102AA				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



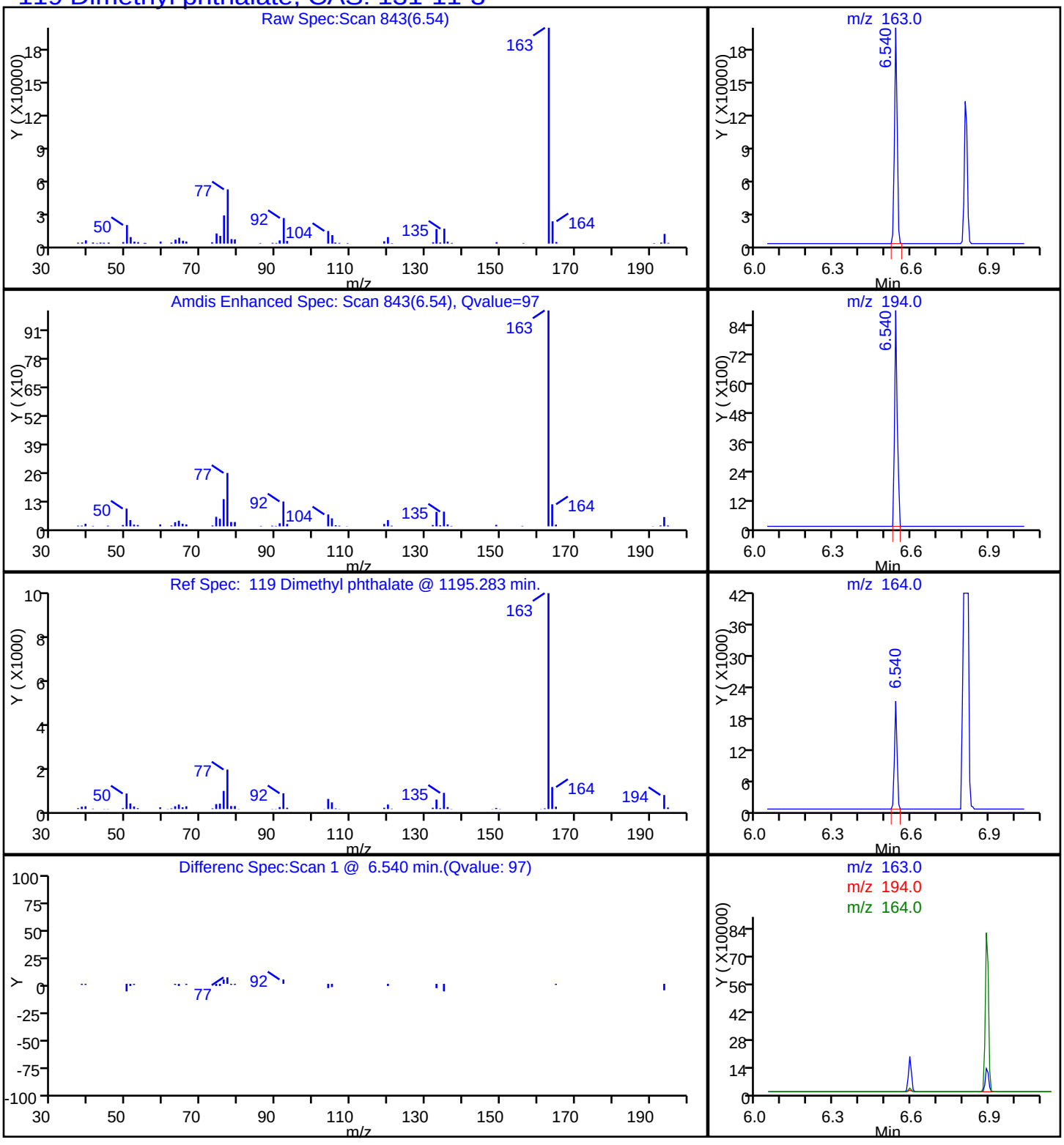
Report Date: 21-Nov-2013 08:22:18 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7652.D

Injection Date:	20-Nov-2013 19:11:30	Instrument ID:	SMS_Y		
Lims ID:	280-48651-A-2-C	Lab Sample ID:	280-48651-2		
Client ID:	AOI474SW0102AA				
Operator ID:	hoffmanm	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

119 Dimethyl phthalate, CAS: 131-11-3



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474WW0102AA | Lab Sample ID: 280-48651-3

Matrix: Solid | Lab File ID: Y7653.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:25

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.4(g) | Date Analyzed: 11/20/2013 19:38

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	190	U	370	190	57
95-94-3	1,2,4,5-Tetrachlorobenzene	76	U	370	76	56
120-82-1	1,2,4-Trichlorobenzene	37	U	370	37	32
95-50-1	1,2-Dichlorobenzene	37	U	370	37	25
122-66-7	1,2-Diphenylhydrazine	37	U	370	37	25
541-73-1	1,3-Dichlorobenzene	37	U	370	37	14
106-46-7	1,4-Dichlorobenzene	37	U	370	37	15
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	370	37	26
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	1800	190	160
95-95-4	2,4,5-Trichlorophenol	150	U	370	150	11
88-06-2	2,4,6-Trichlorophenol	75	U	370	75	11
120-83-2	2,4-Dichlorophenol	75	U	370	75	11
105-67-9	2,4-Dimethylphenol	150	U	370	150	75
51-28-5	2,4-Dinitrophenol	760	U	1800	760	380
121-14-2	2,4-Dinitrotoluene	150	U	370	150	75
87-65-0	2,6-Dichlorophenol	150	U	370	150	78
606-20-2	2,6-Dinitrotoluene	75	U	370	75	32
91-58-7	2-Chloronaphthalene	37	U	370	37	11
95-57-8	2-Chlorophenol	37	U	370	37	24
91-57-6	2-Methylnaphthalene	37	U	370	37	22
95-48-7	2-Methylphenol	37	U	370	37	15
88-74-4	2-Nitroaniline	75	U	1800	75	57
88-75-5	2-Nitrophenol	75	U	370	75	11
15831-10-4	3 & 4 Methylphenol	75	U	370	75	37
91-94-1	3,3'-Dichlorobenzidine	370	U	1800	370	100
99-09-2	3-Nitroaniline	150	U	1800	150	83
534-52-1	4,6-Dinitro-2-methylphenol	750	U	1800	750	370
101-55-3	4-Bromophenyl phenyl ether	37	U	370	37	22
59-50-7	4-Chloro-3-methylphenol	150	U	370	150	75
106-47-8	4-Chloroaniline	150	U	370	150	93
7005-72-3	4-Chlorophenyl phenyl ether	75	U	370	75	24
100-01-6	4-Nitroaniline	150	U	1800	150	82
100-02-7	4-Nitrophenol	370	U	1800	370	110
83-32-9	Acenaphthene	19	U	370	19	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474WW0102AA | Lab Sample ID: 280-48651-3

Matrix: Solid | Lab File ID: Y7653.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:25

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.4(g) | Date Analyzed: 11/20/2013 19:38

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	37	U	370	37	19
98-86-2	Acetophenone	37	U	370	37	23
120-12-7	Anthracene	37	U	370	37	19
1912-24-9	Atrazine	150	U	370	150	42
100-52-7	Benzaldehyde	76	U	370	76	44
92-87-5	Benzidine	4500	U	4500	4500	1100
56-55-3	Benzo[a]anthracene	37	U	370	37	23
50-32-8	Benzo[a]pyrene	37	U	370	37	23
205-99-2	Benzo[b]fluoranthene	37	U	370	37	30
191-24-2	Benzo[g,h,i]perylene	37	U	370	37	18
207-08-9	Benzo[k]fluoranthene	75	U	370	75	45
65-85-0	Benzoic acid	750	U	1800	750	370
100-51-6	Benzyl alcohol	37	U	370	37	11
111-91-1	Bis(2-chloroethoxy)methane	75	U	370	75	26
111-44-4	Bis(2-chloroethyl)ether	37	U	370	37	19
117-81-7	Bis(2-ethylhexyl) phthalate	75	U	370	75	52
85-68-7	Butyl benzyl phthalate	75	U	370	75	49
105-60-2	Caprolactam	370	U	1800	370	120
86-74-8	Carbazole	76	U	370	76	41
218-01-9	Chrysene	37	U	370	37	31
53-70-3	Dibenz(a,h)anthracene	37	U	370	37	22
132-64-9	Dibenzofuran	37	U	370	37	23
84-66-2	Diethyl phthalate	37	U	750	37	30
131-11-3	Dimethyl phthalate	180	J	370	37	26
84-74-2	Di-n-butyl phthalate	37	U	370	37	33
117-84-0	Di-n-octyl phthalate	75	U	370	75	16
206-44-0	Fluoranthene	75	U	370	75	41
86-73-7	Fluorene	37	U	370	37	20
118-74-1	Hexachlorobenzene	75	U	370	75	33
87-68-3	Hexachlorobutadiene	75	U	370	75	11
77-47-4	Hexachlorocyclopentadiene	75	U	1900	75	57
67-72-1	Hexachloroethane	37	U	370	37	24
193-39-5	Indeno[1,2,3-cd]pyrene	37	U	370	37	25
78-59-1	Isophorone	37	U	370	37	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474WW0102AA | Lab Sample ID: 280-48651-3

Matrix: Solid | Lab File ID: Y7653.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:25

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.4(g) | Date Analyzed: 11/20/2013 19:38

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	75	U	370	75	35
98-95-3	Nitrobenzene	37	U	370	37	25
62-75-9	N-Nitrosodimethylamine	75	U	590	75	42
621-64-7	N-Nitrosodi-n-propylamine	75	U	370	75	35
86-30-6	N-Nitrosodiphenylamine	37	U	370	37	24
930-55-2	N-Nitrosopyrrolidine	150	U	370	150	73
87-86-5	Pentachlorophenol	760	U	1800	760	370
85-01-8	Phenanthrene	37	U	370	37	19
108-95-2	Phenol	37	U	370	37	20
129-00-0	Pyrene	37	U	450	37	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		35-125
321-60-8	2-Fluorobiphenyl	81		45-105
367-12-4	2-Fluorophenol (Surr)	79		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
4165-62-2	Phenol-d5 (Surr)	82		40-100
1718-51-0	Terphenyl-d14 (Surr)	90		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7653.D
Lims ID: 280-48651-A-3-C Lab Sample ID: 280-48651-3
Client ID: AOI474WW0102AA
Sample Type: Client
Inject. Date: 20-Nov-2013 19:38:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-3-c
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:18:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.287	4.287	0.0	98	306421	40.0	
* 2 Naphthalene-d8	136	5.339	5.339	0.0	100	1245472	40.0	
* 3 Acenaphthene-d10	164	6.814	6.814	0.0	93	717365	40.0	
* 4 Phenanthrene-d10	188	8.065	8.071	-0.006	97	1191713	40.0	
* 5 Chrysene-d12	240	11.655	11.655	0.0	97	1230654	40.0	
* 6 Perylene-d12	264	15.627	15.627	0.0	97	1117323	40.0	
$ 7 2-Fluorophenol	112	3.242	3.241	0.001	92	890213	79.1	
$ 8 Phenol-d5	99	3.970	3.970	0.0	83	1180292	81.5	
$ 9 Nitrobenzene-d5	82	4.746	4.745	0.001	87	1048791	79.8	
$ 11 2-Fluorobiphenyl	172	6.220	6.220	0.0	99	1842851	80.8	
$ 12 2,4,6-Tribromophenol	330	7.478	7.483	-0.005	92	307878	83.5	
$ 13 Terphenyl-d14	244	9.693	9.698	-0.005	98	2235906	89.8	
28 N-Nitrosodimethylamine	74		2.160					
39 Benzaldehyde	106		3.947					
40 Phenol	94		3.982					
45 Bis(2-chloroethyl)ether	93		4.052					
48 2-Chlorophenol	128		4.123					
49 1,3-Dichlorobenzene	146		4.246					
50 1,4-Dichlorobenzene	146		4.305					
51 Benzyl alcohol	108		4.387					
52 1,2-Dichlorobenzene	146		4.434					
54 2-Methylphenol	108		4.469					
55 2,2'-oxybis[1-chloropropane]	45		4.475					
60 3 & 4 Methylphenol	108		4.593					
61 N-Nitrosodi-n-propylamine	70		4.587					
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105		4.610					
66 Hexachloroethane	117		4.704					
67 Nitrobenzene	77		4.763					
71 Isophorone	82		4.939					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
73 2,4-Dimethylphenol	107		5.027					
74 2-Nitrophenol	139		5.022					
77 Benzoic acid	105		5.104					
78 Bis(2-chloroethoxy)methane	93		5.098					
82 2,4-Dichlorophenol	162		5.215					
84 1,2,4-Trichlorobenzene	180		5.286					
87 Naphthalene	128		5.362					
88 4-Chloroaniline	127		5.398					
89 2,6-Dichlorophenol	162		5.400					
91 Hexachlorobutadiene	225		5.433					
94 Caprolactam	55		5.686					
97 4-Chloro-3-methylphenol	107		5.785					
101 2-Methylnaphthalene	142		5.932					
105 Hexachlorocyclopentadiene	237		6.050					
106 1,2,4,5-Tetrachlorobenzene	216		6.067					
108 2,4,6-Trichlorophenol	196		6.161					
110 2,4,5-Trichlorophenol	196		6.203					
112 1,1'-Biphenyl	154		6.314					
114 2-Chloronaphthalene	162		6.344					
116 2-Nitroaniline	65		6.432					
119 Dimethyl phthalate	163	6.538	6.543	-0.005	97	111623	4.84	
121 2,6-Dinitrotoluene	165		6.620					
122 Acenaphthylene	152		6.702					
123 3-Nitroaniline	138		6.778					
124 Acenaphthene	153		6.843					
126 2,4-Dinitrophenol	184		6.861					
127 4-Nitrophenol	109		6.908					
130 2,4-Dinitrotoluene	165		6.960					
132 Dibenzofuran	168		6.984					
134 2,3,4,6-Tetrachlorophenol	232		7.084					
139 Diethyl phthalate	149		7.125					
142 4-Chlorophenyl phenyl ether	204		7.248					
143 Fluorene	166		7.272					
146 4-Nitroaniline	138		7.295					
147 4,6-Dinitro-2-methylphenol	198		7.307					
150 N-Nitrosodiphenylamine	169		7.348					
151 1,2-Diphenylhydrazine	77		7.384					
164 4-Bromophenyl phenyl ether	248		7.666					
165 Hexachlorobenzene	284		7.736					
167 Atrazine	200		7.771					
171 Pentachlorophenol	266		7.901					
176 Phenanthrene	178		8.094					
177 Anthracene	178		8.136					
178 Carbazole	167		8.265					
181 Di-n-butyl phthalate	149		8.482					
188 Fluoranthene	202		9.252					
189 Benzidine	184		9.393					
191 Pyrene	202		9.552					
198 Butyl benzyl phthalate	149		10.427					
203 Bis(2-ethylhexyl) phthalate	149		11.561					
205 3,3'-Dichlorobenzidine	252		11.590					
206 Benzo[a]anthracene	228		11.637					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
207 Chrysene	228		11.725					
209 Di-n-octyl phthalate	149		13.288					
211 Benzo[b]fluoranthene	252		14.463					
212 Benzo[k]fluoranthene	252		14.552					
215 Benzo[a]pyrene	252		15.456					
221 Dibenz(a,h)anthracene	278		19.099					
222 Indeno[1,2,3-cd]pyrene	276		19.023					
223 Benzo[g,h,i]perylene	276		19.640					

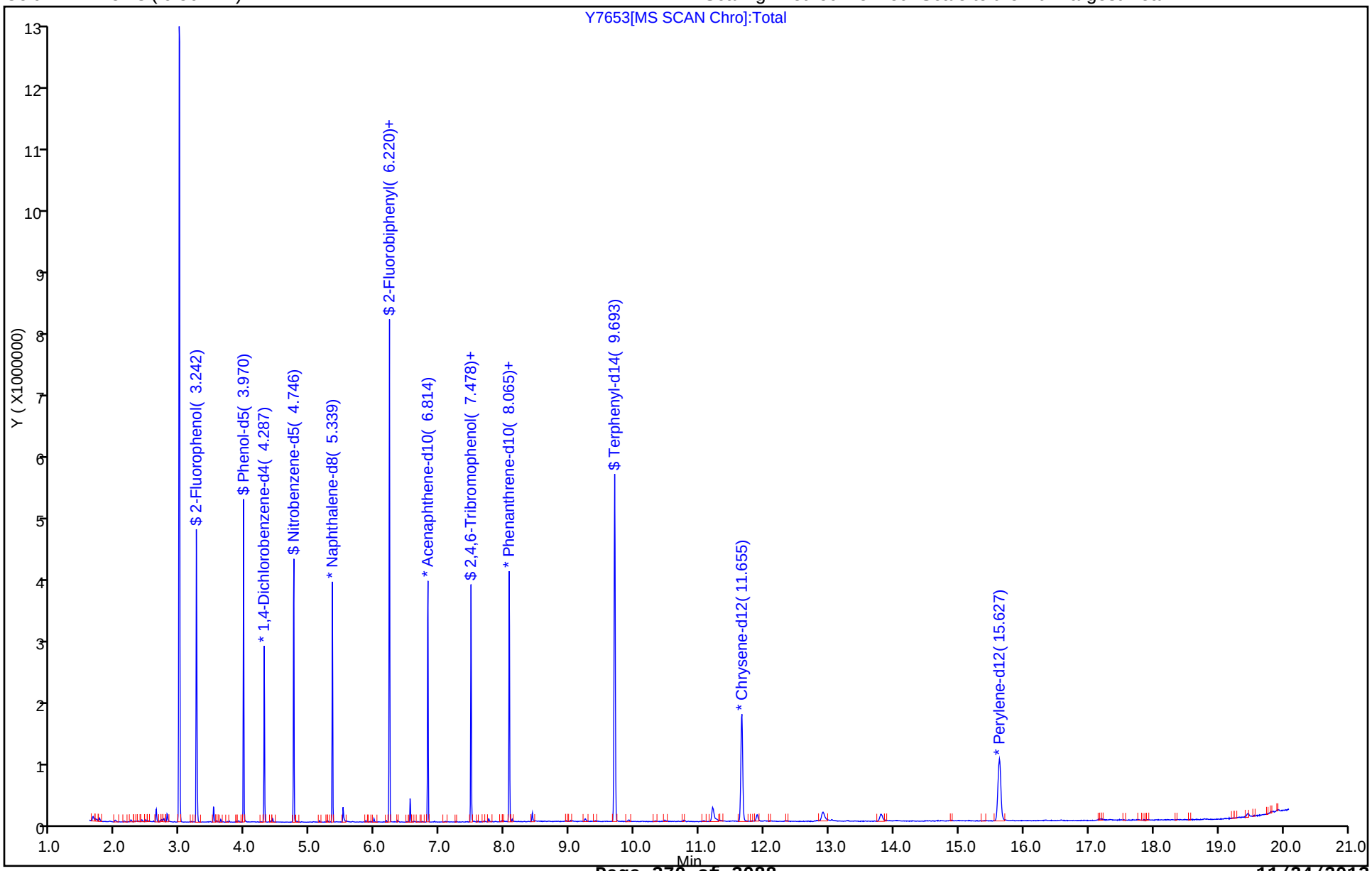
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7653.D

Injection Date:	20-Nov-2013 19:38:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-3-C	Lab Sample ID:	280-48651-3	Worklist Smp#:	19
Client ID:	AOI474WW0102AA				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



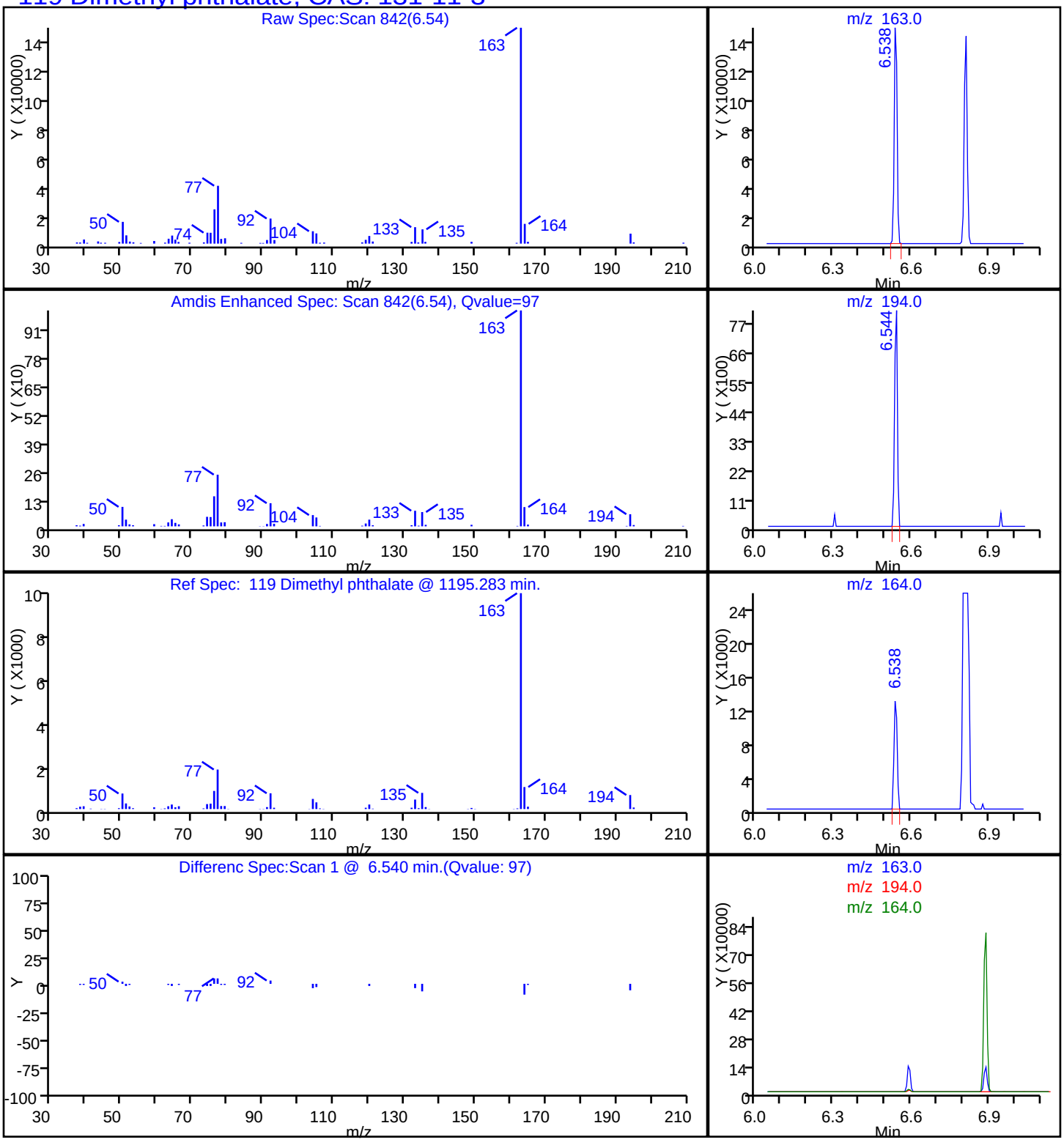
Report Date: 21-Nov-2013 08:22:19 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7653.D

Injection Date:	20-Nov-2013 19:38:30	Instrument ID:	SMS_Y		
Lims ID:	280-48651-A-3-C	Lab Sample ID:	280-48651-3		
Client ID:	AOI474WW0102AA				
Operator ID:	hoffmanm	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

119 Dimethyl phthalate, CAS: 131-11-3



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474EW0102AA | Lab Sample ID: 280-48651-4

Matrix: Solid | Lab File ID: Y7654.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:35

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.3(g) | Date Analyzed: 11/20/2013 20:05

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 14.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	190	U	380	190	58
95-94-3	1,2,4,5-Tetrachlorobenzene	78	U	380	78	57
120-82-1	1,2,4-Trichlorobenzene	38	U	380	38	33
95-50-1	1,2-Dichlorobenzene	38	U	380	38	26
122-66-7	1,2-Diphenylhydrazine	38	U	380	38	26
541-73-1	1,3-Dichlorobenzene	38	U	380	38	14
106-46-7	1,4-Dichlorobenzene	38	U	380	38	16
108-60-1	2,2'-oxybis[1-chloropropane]	38	U	380	38	27
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	1900	190	160
95-95-4	2,4,5-Trichlorophenol	150	U	380	150	12
88-06-2	2,4,6-Trichlorophenol	77	U	380	77	12
120-83-2	2,4-Dichlorophenol	77	U	380	77	12
105-67-9	2,4-Dimethylphenol	150	U	380	150	77
51-28-5	2,4-Dinitrophenol	780	U	1900	780	390
121-14-2	2,4-Dinitrotoluene	150	U	380	150	77
87-65-0	2,6-Dichlorophenol	150	U	380	150	80
606-20-2	2,6-Dinitrotoluene	77	U	380	77	33
91-58-7	2-Chloronaphthalene	38	U	380	38	12
95-57-8	2-Chlorophenol	38	U	380	38	24
91-57-6	2-Methylnaphthalene	38	U	380	38	22
95-48-7	2-Methylphenol	38	U	380	38	15
88-74-4	2-Nitroaniline	77	U	1900	77	58
88-75-5	2-Nitrophenol	77	U	380	77	12
15831-10-4	3 & 4 Methylphenol	77	U	380	77	38
91-94-1	3,3'-Dichlorobenzidine	380	U	1900	380	100
99-09-2	3-Nitroaniline	150	U	1900	150	85
534-52-1	4,6-Dinitro-2-methylphenol	770	U	1900	770	380
101-55-3	4-Bromophenyl phenyl ether	38	U	380	38	22
59-50-7	4-Chloro-3-methylphenol	150	U	380	150	77
106-47-8	4-Chloroaniline	150	U	380	150	95
7005-72-3	4-Chlorophenyl phenyl ether	77	U	380	77	24
100-01-6	4-Nitroaniline	150	U	1900	150	84
100-02-7	4-Nitrophenol	380	U	1900	380	110
83-32-9	Acenaphthene	20	U	380	20	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474EW0102AA | Lab Sample ID: 280-48651-4

Matrix: Solid | Lab File ID: Y7654.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:35

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.3(g) | Date Analyzed: 11/20/2013 20:05

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 14.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	38	U	380	38	20
98-86-2	Acetophenone	38	U	380	38	23
120-12-7	Anthracene	38	U	380	38	20
1912-24-9	Atrazine	150	U	380	150	43
100-52-7	Benzaldehyde	78	U	380	78	45
92-87-5	Benzidine	4600	U	4600	4600	1100
56-55-3	Benzo[a]anthracene	38	U	380	38	23
50-32-8	Benzo[a]pyrene	38	U	380	38	23
205-99-2	Benzo[b]fluoranthene	38	U	380	38	30
191-24-2	Benzo[g,h,i]perylene	38	U	380	38	19
207-08-9	Benzo[k]fluoranthene	77	U	380	77	46
65-85-0	Benzoic acid	770	U	1900	770	380
100-51-6	Benzyl alcohol	38	U	380	38	12
111-91-1	Bis(2-chloroethoxy)methane	77	U	380	77	27
111-44-4	Bis(2-chloroethyl)ether	38	U	380	38	19
117-81-7	Bis(2-ethylhexyl) phthalate	77	U	380	77	53
85-68-7	Butyl benzyl phthalate	77	U	380	77	50
105-60-2	Caprolactam	380	U	1900	380	120
86-74-8	Carbazole	78	U	380	78	42
218-01-9	Chrysene	38	U	380	38	31
53-70-3	Dibenz(a,h)anthracene	38	U	380	38	22
132-64-9	Dibenzofuran	38	U	380	38	23
84-66-2	Diethyl phthalate	38	U	770	38	30
131-11-3	Dimethyl phthalate	100	J	380	38	27
84-74-2	Di-n-butyl phthalate	38	U	380	38	34
117-84-0	Di-n-octyl phthalate	77	U	380	77	17
206-44-0	Fluoranthene	77	U	380	77	42
86-73-7	Fluorene	38	U	380	38	21
118-74-1	Hexachlorobenzene	77	U	380	77	34
87-68-3	Hexachlorobutadiene	77	U	380	77	12
77-47-4	Hexachlorocyclopentadiene	77	U	2000	77	58
67-72-1	Hexachloroethane	38	U	380	38	25
193-39-5	Indeno[1,2,3-cd]pyrene	38	U	380	38	26
78-59-1	Isophorone	38	U	380	38	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474EW0102AA | Lab Sample ID: 280-48651-4

Matrix: Solid | Lab File ID: Y7654.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:35

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.3(g) | Date Analyzed: 11/20/2013 20:05

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 14.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	77	U	380	77	36
98-95-3	Nitrobenzene	38	U	380	38	26
62-75-9	N-Nitrosodimethylamine	77	U	600	77	43
621-64-7	N-Nitrosodi-n-propylamine	77	U	380	77	36
86-30-6	N-Nitrosodiphenylamine	38	U	380	38	24
930-55-2	N-Nitrosopyrrolidine	150	U	380	150	74
87-86-5	Pentachlorophenol	780	U	1900	780	380
85-01-8	Phenanthrene	38	U	380	38	20
108-95-2	Phenol	38	U	380	38	21
129-00-0	Pyrene	38	U	460	38	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		35-125
321-60-8	2-Fluorobiphenyl	80		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	78		35-100
4165-62-2	Phenol-d5 (Surr)	81		40-100
1718-51-0	Terphenyl-d14 (Surr)	88		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7654.D
Lims ID: 280-48651-A-4-C Lab Sample ID: 280-48651-4
Client ID: AOI474EW0102AA
Sample Type: Client
Inject. Date: 20-Nov-2013 20:05:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-4-c
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:19:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.290	4.287	0.003	97	309493	40.0	
* 2 Naphthalene-d8	136	5.341	5.339	0.002	100	1253770	40.0	
* 3 Acenaphthene-d10	164	6.810	6.814	-0.004	93	722290	40.0	
* 4 Phenanthrene-d10	188	8.068	8.071	-0.003	97	1222653	40.0	
* 5 Chrysene-d12	240	11.652	11.655	-0.003	97	1248254	40.0	
* 6 Perylene-d12	264	15.623	15.627	-0.004	97	1133929	40.0	
$ 7 2-Fluorophenol	112	3.244	3.241	0.003	92	880372	77.5	
$ 8 Phenol-d5	99	3.972	3.970	0.002	91	1177805	80.6	
$ 9 Nitrobenzene-d5	82	4.742	4.745	-0.003	89	1038265	78.5	
$ 11 2-Fluorobiphenyl	172	6.217	6.220	-0.003	99	1834404	79.9	
$ 12 2,4,6-Tribromophenol	330	7.480	7.483	-0.003	91	305106	82.2	
$ 13 Terphenyl-d14	244	9.695	9.698	-0.003	98	2223255	88.0	
28 N-Nitrosodimethylamine	74		2.160					
39 Benzaldehyde	106		3.947					
40 Phenol	94		3.982					
45 Bis(2-chloroethyl)ether	93		4.052					
48 2-Chlorophenol	128		4.123					
49 1,3-Dichlorobenzene	146		4.246					
50 1,4-Dichlorobenzene	146		4.305					
51 Benzyl alcohol	108		4.387					
52 1,2-Dichlorobenzene	146		4.434					
54 2-Methylphenol	108		4.469					
55 2,2'-oxybis[1-chloropropane]	45		4.475					
60 3 & 4 Methylphenol	108		4.593					
61 N-Nitrosodi-n-propylamine	70		4.587					
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105		4.610					
66 Hexachloroethane	117		4.704					
67 Nitrobenzene	77		4.763					
71 Isophorone	82		4.939					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
73 2,4-Dimethylphenol	107		5.027					
74 2-Nitrophenol	139		5.022					
77 Benzoic acid	105		5.104					
78 Bis(2-chloroethoxy)methane	93		5.098					
82 2,4-Dichlorophenol	162		5.215					
84 1,2,4-Trichlorobenzene	180		5.286					
87 Naphthalene	128		5.362					
88 4-Chloroaniline	127		5.398					
89 2,6-Dichlorophenol	162		5.400					
91 Hexachlorobutadiene	225		5.433					
94 Caprolactam	55		5.686					
97 4-Chloro-3-methylphenol	107		5.785					
101 2-Methylnaphthalene	142		5.932					
105 Hexachlorocyclopentadiene	237		6.050					
106 1,2,4,5-Tetrachlorobenzene	216		6.067					
108 2,4,6-Trichlorophenol	196		6.161					
110 2,4,5-Trichlorophenol	196		6.203					
112 1,1'-Biphenyl	154		6.314					
114 2-Chloronaphthalene	162		6.344					
116 2-Nitroaniline	65		6.432					
119 Dimethyl phthalate	163	6.540	6.543	-0.003	98	60444	2.60	
121 2,6-Dinitrotoluene	165		6.620					
122 Acenaphthylene	152		6.702					
123 3-Nitroaniline	138		6.778					
124 Acenaphthene	153		6.843					
126 2,4-Dinitrophenol	184		6.861					
127 4-Nitrophenol	109		6.908					
130 2,4-Dinitrotoluene	165		6.960					
132 Dibenzofuran	168		6.984					
134 2,3,4,6-Tetrachlorophenol	232		7.084					
139 Diethyl phthalate	149		7.125					
142 4-Chlorophenyl phenyl ether	204		7.248					
143 Fluorene	166		7.272					
146 4-Nitroaniline	138		7.295					
147 4,6-Dinitro-2-methylphenol	198		7.307					
150 N-Nitrosodiphenylamine	169		7.348					
151 1,2-Diphenylhydrazine	77		7.384					
164 4-Bromophenyl phenyl ether	248		7.666					
165 Hexachlorobenzene	284		7.736					
167 Atrazine	200		7.771					
171 Pentachlorophenol	266		7.901					
176 Phenanthrene	178		8.094					
177 Anthracene	178		8.136					
178 Carbazole	167		8.265					
181 Di-n-butyl phthalate	149		8.482					
188 Fluoranthene	202		9.252					
189 Benzidine	184		9.393					
191 Pyrene	202		9.552					
198 Butyl benzyl phthalate	149		10.427					
203 Bis(2-ethylhexyl) phthalate	149		11.561					
205 3,3'-Dichlorobenzidine	252		11.590					
206 Benzo[a]anthracene	228		11.637					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
207 Chrysene	228		11.725					
209 Di-n-octyl phthalate	149		13.288					
211 Benzo[b]fluoranthene	252		14.463					
212 Benzo[k]fluoranthene	252		14.552					
215 Benzo[a]pyrene	252		15.456					
221 Dibenz(a,h)anthracene	278		19.099					
222 Indeno[1,2,3-cd]pyrene	276		19.023					
223 Benzo[g,h,i]perylene	276		19.640					

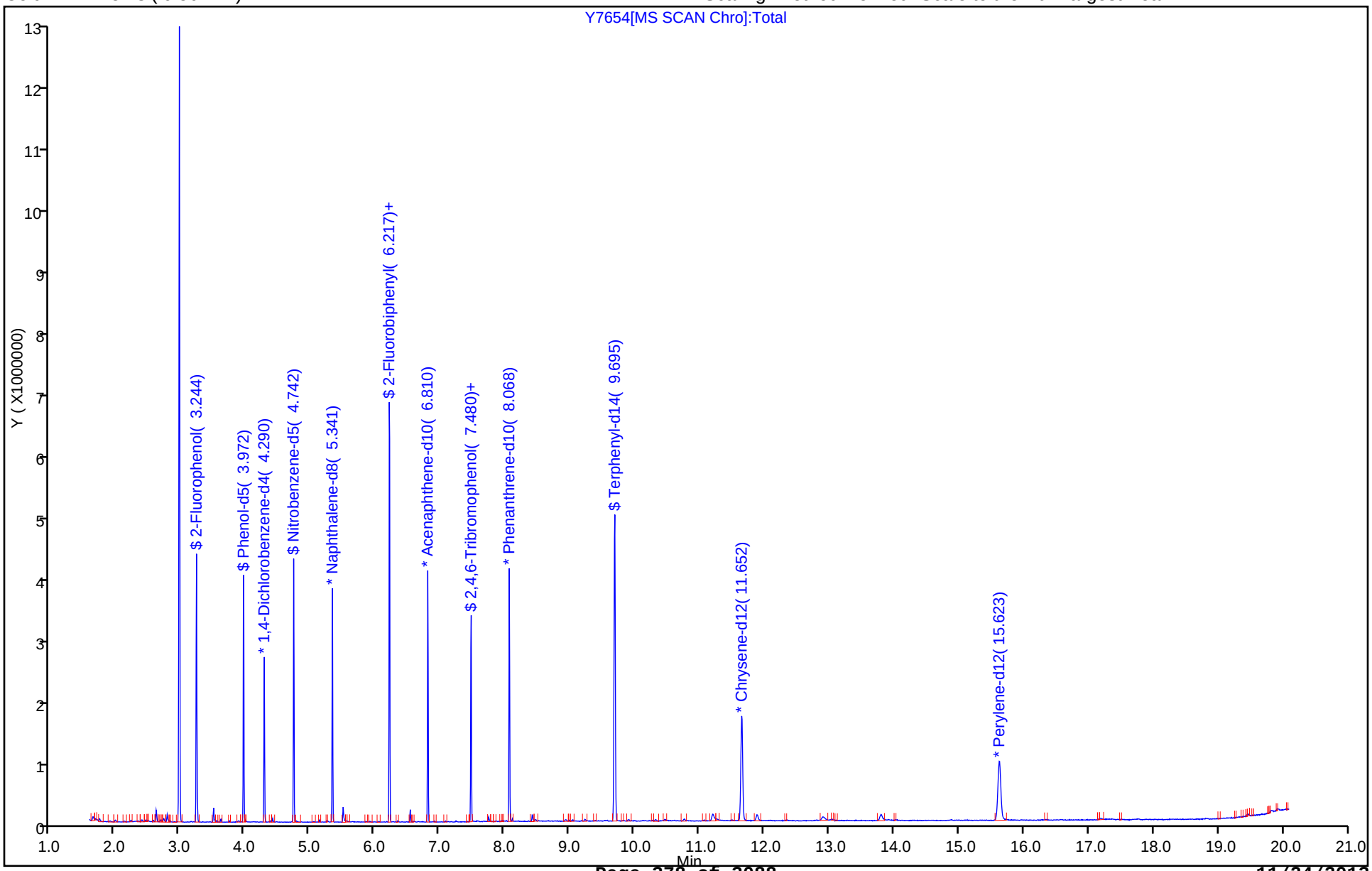
Report Date: 21-Nov-2013 08:22:20 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7654.D

Injection Date:	20-Nov-2013 20:05:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-4-C	Lab Sample ID:	280-48651-4	Worklist Smp#:	20
Client ID:	AOI474EW0102AA				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



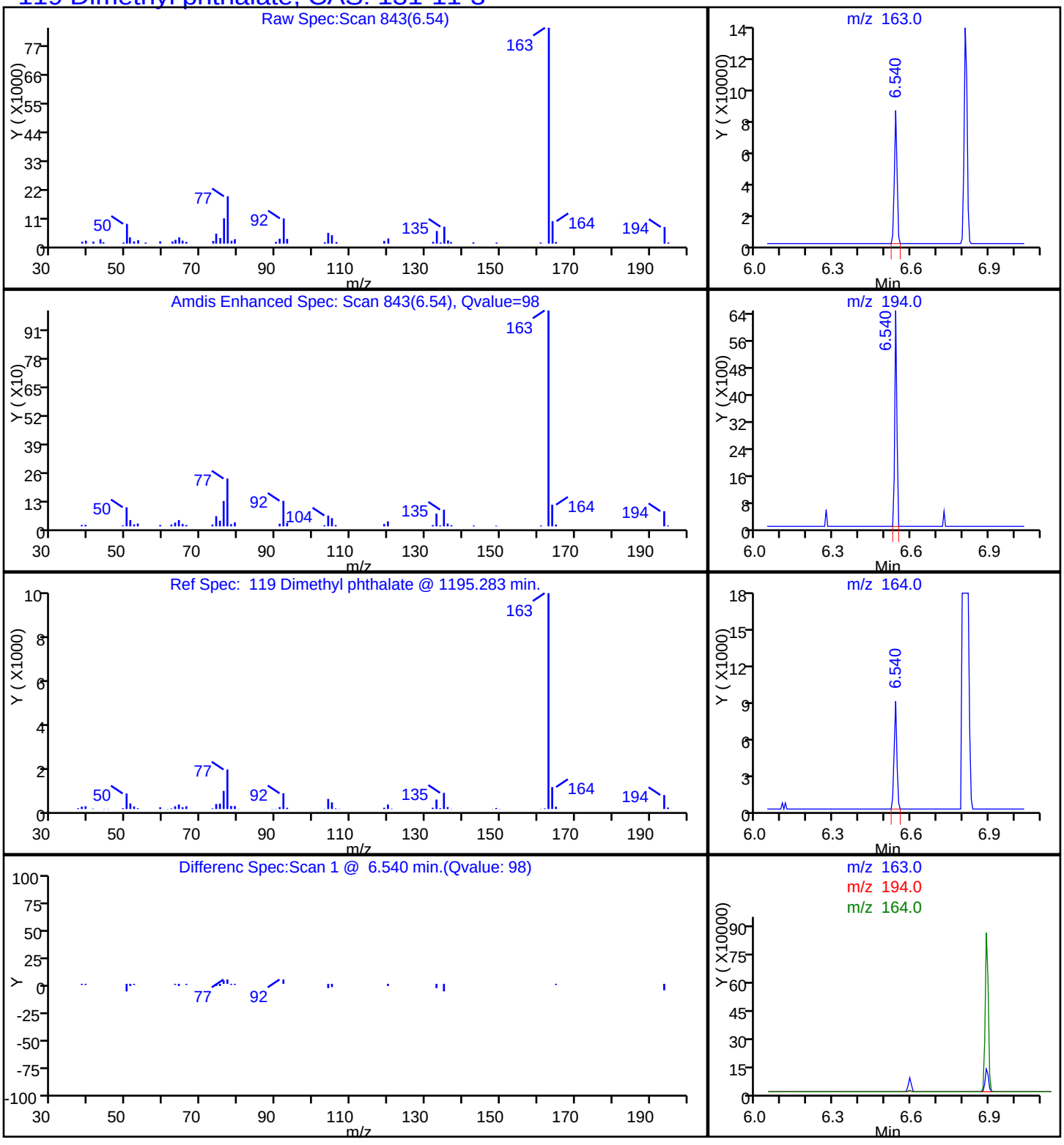
Report Date: 21-Nov-2013 08:22:20 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7654.D

Injection Date:	20-Nov-2013 20:05:30	Instrument ID:	SMS_Y		
Lims ID:	280-48651-A-4-C	Lab Sample ID:	280-48651-4		
Client ID:	AOI474EW0102AA				
Operator ID:	hoffmanm	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

119 Dimethyl phthalate, CAS: 131-11-3



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474BT0103AA | Lab Sample ID: 280-48651-5

Matrix: Solid | Lab File ID: Y7655.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:45

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.1(g) | Date Analyzed: 11/20/2013 20:33

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 23.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	220	U	430	220	65
95-94-3	1,2,4,5-Tetrachlorobenzene	87	U	430	87	63
120-82-1	1,2,4-Trichlorobenzene	43	U	430	43	36
95-50-1	1,2-Dichlorobenzene	43	U	430	43	28
122-66-7	1,2-Diphenylhydrazine	43	U	430	43	28
541-73-1	1,3-Dichlorobenzene	43	U	430	43	16
106-46-7	1,4-Dichlorobenzene	43	U	430	43	18
108-60-1	2,2'-oxybis[1-chloropropane]	43	U	430	43	30
58-90-2	2,3,4,6-Tetrachlorophenol	220	U	2100	220	180
95-95-4	2,4,5-Trichlorophenol	170	U	430	170	13
88-06-2	2,4,6-Trichlorophenol	85	U	430	85	13
120-83-2	2,4-Dichlorophenol	85	U	430	85	13
105-67-9	2,4-Dimethylphenol	170	U	430	170	85
51-28-5	2,4-Dinitrophenol	870	U	2100	870	430
121-14-2	2,4-Dinitrotoluene	170	U	430	170	85
87-65-0	2,6-Dichlorophenol	170	U	430	170	89
606-20-2	2,6-Dinitrotoluene	85	U	430	85	36
91-58-7	2-Chloronaphthalene	43	U	430	43	13
95-57-8	2-Chlorophenol	43	U	430	43	27
91-57-6	2-Methylnaphthalene	43	U	430	43	25
95-48-7	2-Methylphenol	43	U	430	43	17
88-74-4	2-Nitroaniline	85	U	2100	85	65
88-75-5	2-Nitrophenol	85	U	430	85	13
15831-10-4	3 & 4 Methylphenol	85	U	430	85	43
91-94-1	3,3'-Dichlorobenzidine	430	U	2100	430	120
99-09-2	3-Nitroaniline	170	U	2100	170	95
534-52-1	4,6-Dinitro-2-methylphenol	850	U	2100	850	430
101-55-3	4-Bromophenyl phenyl ether	43	U	430	43	25
59-50-7	4-Chloro-3-methylphenol	170	U	430	170	85
106-47-8	4-Chloroaniline	170	U	430	170	110
7005-72-3	4-Chlorophenyl phenyl ether	85	U	430	85	27
100-01-6	4-Nitroaniline	170	U	2100	170	94
100-02-7	4-Nitrophenol	430	U	2100	430	130
83-32-9	Acenaphthene	22	U	430	22	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474BT0103AA | Lab Sample ID: 280-48651-5

Matrix: Solid | Lab File ID: Y7655.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:45

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.1(g) | Date Analyzed: 11/20/2013 20:33

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 23.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	43	U	430	43	22
98-86-2	Acetophenone	43	U	430	43	26
120-12-7	Anthracene	43	U	430	43	22
1912-24-9	Atrazine	170	U	430	170	48
100-52-7	Benzaldehyde	87	U	430	87	51
92-87-5	Benzidine	5100	U	5200	5100	1300
56-55-3	Benzo[a]anthracene	43	U	430	43	26
50-32-8	Benzo[a]pyrene	43	U	430	43	26
205-99-2	Benzo[b]fluoranthene	43	U	430	43	34
191-24-2	Benzo[g,h,i]perylene	43	U	430	43	21
207-08-9	Benzo[k]fluoranthene	85	U	430	85	52
65-85-0	Benzoic acid	850	U	2100	850	430
100-51-6	Benzyl alcohol	43	U	430	43	13
111-91-1	Bis(2-chloroethoxy)methane	85	U	430	85	30
111-44-4	Bis(2-chloroethyl)ether	43	U	430	43	22
117-81-7	Bis(2-ethylhexyl) phthalate	85	U	430	85	60
85-68-7	Butyl benzyl phthalate	85	U	430	85	56
105-60-2	Caprolactam	430	U	2100	430	140
86-74-8	Carbazole	87	U	430	87	47
218-01-9	Chrysene	43	U	430	43	35
53-70-3	Dibenz(a,h)anthracene	43	U	430	43	25
132-64-9	Dibenzofuran	43	U	430	43	26
84-66-2	Diethyl phthalate	43	U	850	43	34
131-11-3	Dimethyl phthalate	250	J	430	43	30
84-74-2	Di-n-butyl phthalate	43	U	430	43	38
117-84-0	Di-n-octyl phthalate	85	U	430	85	19
206-44-0	Fluoranthene	85	U	430	85	47
86-73-7	Fluorene	43	U	430	43	23
118-74-1	Hexachlorobenzene	85	U	430	85	38
87-68-3	Hexachlorobutadiene	85	U	430	85	13
77-47-4	Hexachlorocyclopentadiene	85	U	2200	85	65
67-72-1	Hexachloroethane	43	U	430	43	28
193-39-5	Indeno[1,2,3-cd]pyrene	43	U	430	43	28
78-59-1	Isophorone	43	U	430	43	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474BT0103AA | Lab Sample ID: 280-48651-5

Matrix: Solid | Lab File ID: Y7655.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:45

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.1(g) | Date Analyzed: 11/20/2013 20:33

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 23.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	85	U	430	85	40
98-95-3	Nitrobenzene	43	U	430	43	28
62-75-9	N-Nitrosodimethylamine	85	U	670	85	48
621-64-7	N-Nitrosodi-n-propylamine	85	U	430	85	40
86-30-6	N-Nitrosodiphenylamine	43	U	430	43	27
930-55-2	N-Nitrosopyrrolidine	170	U	430	170	83
87-86-5	Pentachlorophenol	870	U	2100	870	430
85-01-8	Phenanthrene	43	U	430	43	22
108-95-2	Phenol	43	U	430	43	23
129-00-0	Pyrene	43	U	520	43	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		35-125
321-60-8	2-Fluorobiphenyl	80		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	78		35-100
4165-62-2	Phenol-d5 (Surr)	78		40-100
1718-51-0	Terphenyl-d14 (Surr)	87		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7655.D
Lims ID: 280-48651-A-5-E Lab Sample ID: 280-48651-5
Client ID: AOI474BT0103AA
Sample Type: Client
Inject. Date: 20-Nov-2013 20:33:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-5-e
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:19:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.286	4.287	-0.001	97	310149	40.0	
* 2 Naphthalene-d8	136	5.338	5.339	-0.001	100	1248879	40.0	
* 3 Acenaphthene-d10	164	6.813	6.814	-0.001	92	709724	40.0	
* 4 Phenanthrene-d10	188	8.070	8.071	-0.001	97	1214505	40.0	
* 5 Chrysene-d12	240	11.654	11.655	-0.001	97	1241081	40.0	
* 6 Perylene-d12	264	15.626	15.627	-0.001	97	1146096	40.0	
$ 7 2-Fluorophenol	112	3.240	3.241	-0.001	93	860297	75.5	
$ 8 Phenol-d5	99	3.969	3.970	-0.001	84	1138098	77.7	
$ 9 Nitrobenzene-d5	82	4.744	4.745	-0.001	88	1028791	78.1	
$ 11 2-Fluorobiphenyl	172	6.219	6.220	-0.001	99	1805549	80.0	
$ 12 2,4,6-Tribromophenol	330	7.482	7.483	-0.001	93	311614	85.4	
$ 13 Terphenyl-d14	244	9.692	9.698	-0.006	98	2193132	87.4	
28 N-Nitrosodimethylamine	74		2.160					
39 Benzaldehyde	106		3.947					
40 Phenol	94		3.982					
45 Bis(2-chloroethyl)ether	93		4.052					
48 2-Chlorophenol	128		4.123					
49 1,3-Dichlorobenzene	146		4.246					
50 1,4-Dichlorobenzene	146		4.305					
51 Benzyl alcohol	108		4.387					
52 1,2-Dichlorobenzene	146		4.434					
54 2-Methylphenol	108		4.469					
55 2,2'-oxybis[1-chloropropane]	45		4.475					
60 3 & 4 Methylphenol	108		4.593					
61 N-Nitrosodi-n-propylamine	70		4.587					
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105		4.610					
66 Hexachloroethane	117		4.704					
67 Nitrobenzene	77		4.763					
71 Isophorone	82		4.939					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
73 2,4-Dimethylphenol	107		5.027					
74 2-Nitrophenol	139		5.022					
77 Benzoic acid	105		5.104					
78 Bis(2-chloroethoxy)methane	93		5.098					
82 2,4-Dichlorophenol	162		5.215					
84 1,2,4-Trichlorobenzene	180		5.286					
87 Naphthalene	128		5.362					
88 4-Chloroaniline	127		5.398					
89 2,6-Dichlorophenol	162		5.400					
91 Hexachlorobutadiene	225		5.433					
94 Caprolactam	55		5.686					
97 4-Chloro-3-methylphenol	107		5.785					
101 2-Methylnaphthalene	142		5.932					
105 Hexachlorocyclopentadiene	237		6.050					
106 1,2,4,5-Tetrachlorobenzene	216		6.067					
108 2,4,6-Trichlorophenol	196		6.161					
110 2,4,5-Trichlorophenol	196		6.203					
112 1,1'-Biphenyl	154		6.314					
114 2-Chloronaphthalene	162		6.344					
116 2-Nitroaniline	65		6.432					
119 Dimethyl phthalate	163	6.542	6.543	-0.001	97	133375	5.84	
121 2,6-Dinitrotoluene	165		6.620					
122 Acenaphthylene	152		6.702					
123 3-Nitroaniline	138		6.778					
124 Acenaphthene	153		6.843					
126 2,4-Dinitrophenol	184		6.861					
127 4-Nitrophenol	109		6.908					
130 2,4-Dinitrotoluene	165		6.960					
132 Dibenzofuran	168		6.984					
134 2,3,4,6-Tetrachlorophenol	232		7.084					
139 Diethyl phthalate	149		7.125					
142 4-Chlorophenyl phenyl ether	204		7.248					
143 Fluorene	166		7.272					
146 4-Nitroaniline	138		7.295					
147 4,6-Dinitro-2-methylphenol	198		7.307					
150 N-Nitrosodiphenylamine	169		7.348					
151 1,2-Diphenylhydrazine	77		7.384					
164 4-Bromophenyl phenyl ether	248		7.666					
165 Hexachlorobenzene	284		7.736					
167 Atrazine	200		7.771					
171 Pentachlorophenol	266		7.901					
176 Phenanthrene	178		8.094					
177 Anthracene	178		8.136					
178 Carbazole	167		8.265					
181 Di-n-butyl phthalate	149		8.482					
188 Fluoranthene	202		9.252					
189 Benzidine	184		9.393					
191 Pyrene	202		9.552					
198 Butyl benzyl phthalate	149		10.427					
203 Bis(2-ethylhexyl) phthalate	149		11.561					
205 3,3'-Dichlorobenzidine	252		11.590					
206 Benzo[a]anthracene	228		11.637					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
207 Chrysene	228		11.725					
209 Di-n-octyl phthalate	149		13.288					
211 Benzo[b]fluoranthene	252		14.463					
212 Benzo[k]fluoranthene	252		14.552					
215 Benzo[a]pyrene	252		15.456					
221 Dibenz(a,h)anthracene	278		19.099					
222 Indeno[1,2,3-cd]pyrene	276		19.023					
223 Benzo[g,h,i]perylene	276		19.640					

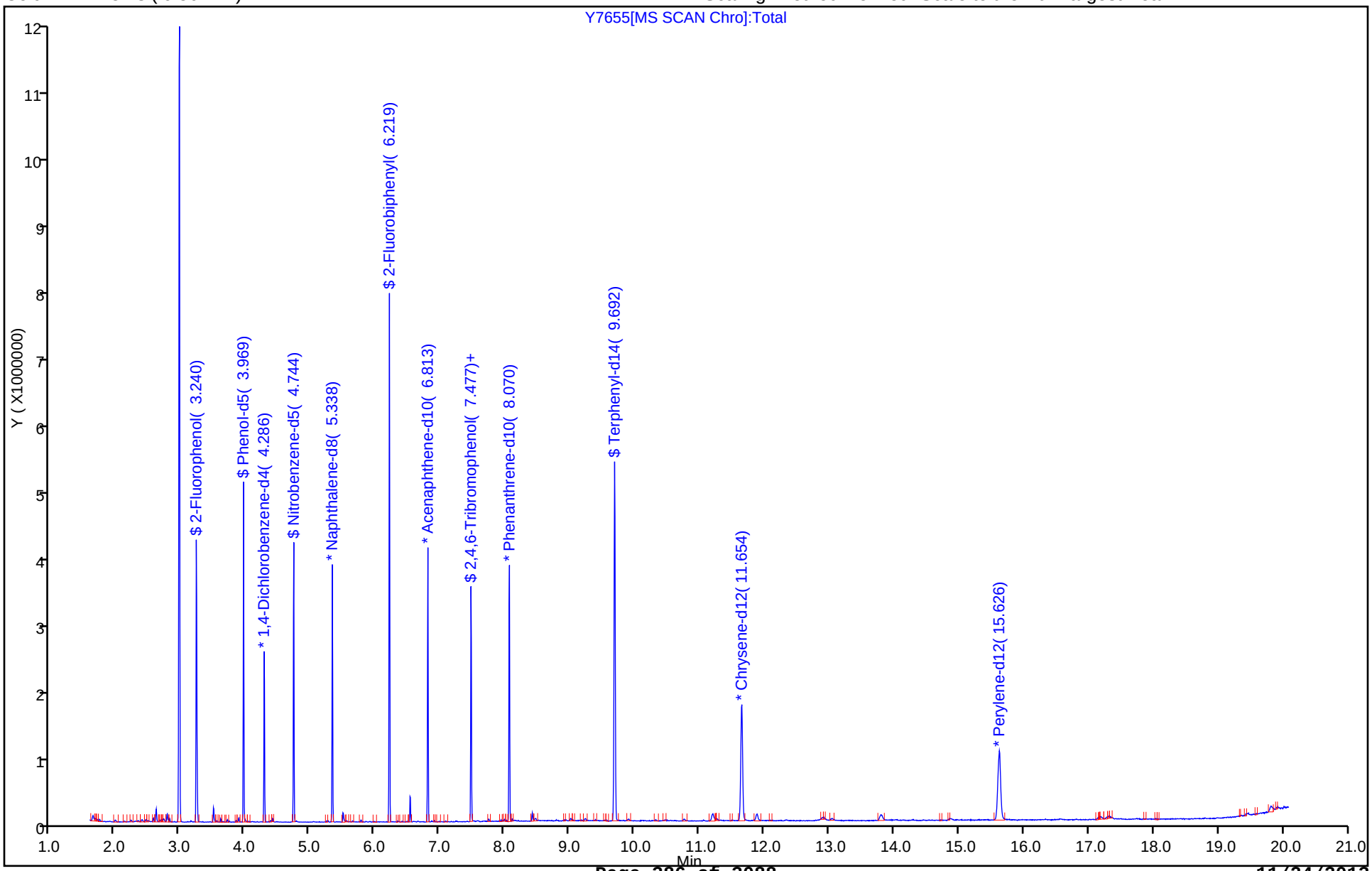
Report Date: 21-Nov-2013 08:22:21 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7655.D

Injection Date:	20-Nov-2013 20:33:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-5-E	Lab Sample ID:	280-48651-5	Worklist Smp#:	21
Client ID:	AOI474BT0103AA				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



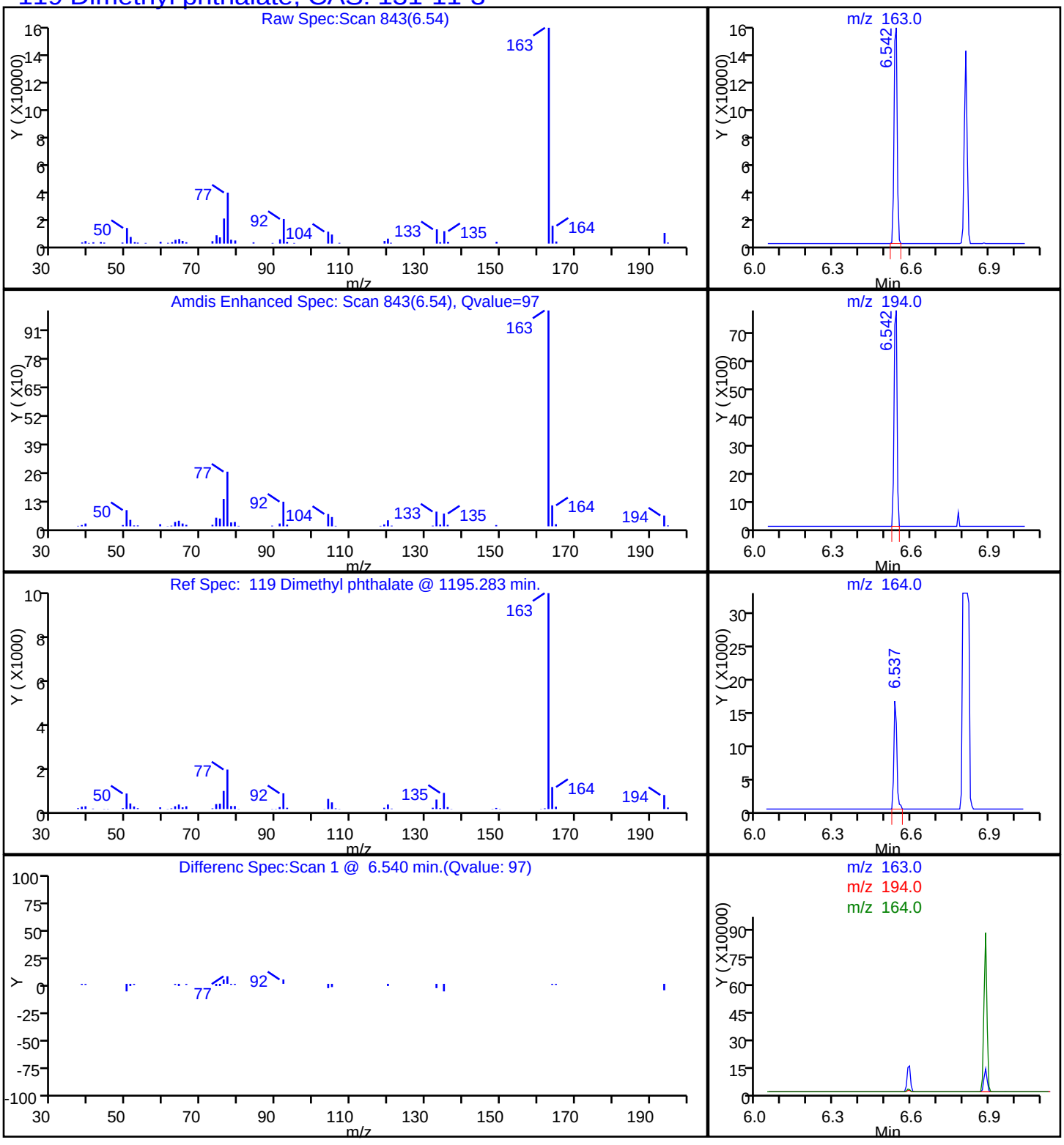
Report Date: 21-Nov-2013 08:22:21 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7655.D

Injection Date:	20-Nov-2013 20:33:30	Instrument ID:	SMS_Y		
Lims ID:	280-48651-A-5-E	Lab Sample ID:	280-48651-5		
Client ID:	AOI474BT0103AA				
Operator ID:	hoffmanm	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

119 Dimethyl phthalate, CAS: 131-11-3



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474SW0102AA | Lab Sample ID: 280-48651-6

Matrix: Water | Lab File ID: Y7496.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:55

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 995.4(mL) | Date Analyzed: 11/14/2013 16:24

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	2.0	U	10	2.0	1.8
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	10	2.0	1.7
120-82-1	1,2,4-Trichlorobenzene	1.0	U	10	1.0	0.28
95-50-1	1,2-Dichlorobenzene	1.0	U	10	1.0	0.23
122-66-7	1,2-Diphenylhydrazine	1.0	U	10	1.0	0.23
541-73-1	1,3-Dichlorobenzene	1.0	U	10	1.0	0.30
106-46-7	1,4-Dichlorobenzene	1.0	U	10	1.0	0.32
108-60-1	2,2'-oxybis[1-chloropropane]	1.0	U	10	1.0	0.28
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	50	2.0	2.0
95-95-4	2,4,5-Trichlorophenol	1.0	U	20	1.0	0.45
88-06-2	2,4,6-Trichlorophenol	1.0	U	20	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.0	U	10	2.0	0.64
105-67-9	2,4-Dimethylphenol	4.0	U	10	4.0	0.58
51-28-5	2,4-Dinitrophenol	20	U	80	20	10
121-14-2	2,4-Dinitrotoluene	4.0	U	20	4.0	1.7
87-65-0	2,6-Dichlorophenol	4.0	U	10	4.0	1.4
606-20-2	2,6-Dinitrotoluene	4.0	U	20	4.0	1.9
91-58-7	2-Chloronaphthalene	1.0	U	10	1.0	0.26
95-57-8	2-Chlorophenol	4.0	U	10	4.0	2.0
91-57-6	2-Methylnaphthalene	1.0	U	10	1.0	0.29
95-48-7	2-Methylphenol	4.0	U	10	4.0	0.98
88-74-4	2-Nitroaniline	4.0	U	50	4.0	1.7
88-75-5	2-Nitrophenol	1.0	U	20	1.0	0.39
15831-10-4	3 & 4 Methylphenol	1.0	U	20	1.0	0.25
91-94-1	3,3'-Dichlorobenzidine	10	U	50	10	2.0
99-09-2	3-Nitroaniline	2.0	U	50	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	10	U	80	10	4.0
101-55-3	4-Bromophenyl phenyl ether	1.0	U	10	1.0	0.43
59-50-7	4-Chloro-3-methylphenol	5.0	U	20	5.0	2.4
106-47-8	4-Chloroaniline	5.0	U	25	5.0	2.1
7005-72-3	4-Chlorophenyl phenyl ether	4.0	U	10	4.0	1.7
100-01-6	4-Nitroaniline	4.0	U	50	4.0	2.0
100-02-7	4-Nitrophenol	10	U	50	10	1.2
83-32-9	Acenaphthene	1.0	U Q	10	1.0	0.28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474SW0102AA | Lab Sample ID: 280-48651-6

Matrix: Water | Lab File ID: Y7496.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:55

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 995.4(mL) | Date Analyzed: 11/14/2013 16:24

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	1.0	U Q	10	1.0	0.49
98-86-2	Acetophenone	5.0	U	10	5.0	0.24
120-12-7	Anthracene	1.0	U Q	10	1.0	0.42
1912-24-9	Atrazine	10	U	50	10	0.73
100-52-7	Benzaldehyde	2.0	U	10	2.0	2.0
92-87-5	Benzidine	100	U Q	200	100	50
56-55-3	Benzo[a]anthracene	1.0	U Q	10	1.0	0.35
50-32-8	Benzo[a]pyrene	1.0	U Q	10	1.0	0.31
205-99-2	Benzo[b]fluoranthene	1.0	U Q	10	1.0	0.53
191-24-2	Benzo[g,h,i]perylene	1.0	U Q	10	1.0	0.50
207-08-9	Benzo[k]fluoranthene	1.0	U Q	10	1.0	0.46
65-85-0	Benzoic acid	50	U	80	50	10
100-51-6	Benzyl alcohol	0.93	J	25	1.0	0.23
111-91-1	Bis(2-chloroethoxy)methane	4.0	U	10	4.0	0.97
111-44-4	Bis(2-chloroethyl)ether	1.0	U	20	1.0	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	1.0	U	10	1.0	0.56
85-68-7	Butyl benzyl phthalate	4.0	U	20	4.0	1.0
105-60-2	Caprolactam	10	U	35	10	5.0
86-74-8	Carbazole	1.0	U	10	1.0	0.43
218-01-9	Chrysene	1.0	U Q	10	1.0	0.54
53-70-3	Dibenz(a,h)anthracene	1.0	U	10	1.0	0.51
132-64-9	Dibenzofuran	1.0	U	10	1.0	0.29
84-66-2	Diethyl phthalate	1.0	U	20	1.0	0.38
131-11-3	Dimethyl phthalate	1.0	U	20	1.0	0.21
84-74-2	Di-n-butyl phthalate	4.0	U	20	4.0	1.2
117-84-0	Di-n-octyl phthalate	1.0	U	20	1.0	0.35
206-44-0	Fluoranthene	1.0	U Q	20	1.0	0.20
86-73-7	Fluorene	1.0	U Q	10	1.0	0.31
118-74-1	Hexachlorobenzene	1.0	U	10	1.0	0.66
87-68-3	Hexachlorobutadiene	10	U	30	10	3.3
77-47-4	Hexachlorocyclopentadiene	20	U	50	20	10
67-72-1	Hexachloroethane	4.0	U	10	4.0	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U Q	10	1.0	0.65
78-59-1	Isophorone	1.0	U	10	1.0	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474SW0102AA | Lab Sample ID: 280-48651-6

Matrix: Water | Lab File ID: Y7496.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:55

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 995.4(mL) | Date Analyzed: 11/14/2013 16:24

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	1.0	U Q	10	1.0	0.29
98-95-3	Nitrobenzene	2.0	U	20	2.0	0.81
62-75-9	N-Nitrosodimethylamine	1.0	U	10	1.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	1.3	J	20	1.0	0.35
86-30-6	N-Nitrosodiphenylamine	1.0	U	10	1.0	0.44
930-55-2	N-Nitrosopyrrolidine	4.0	U	10	4.0	0.81
87-86-5	Pentachlorophenol	40	U	80	40	20
85-01-8	Phenanthrene	1.0	U Q	10	1.0	0.26
108-95-2	Phenol	5.0	U	10	5.0	2.0
129-00-0	Pyrene	1.0	U Q	10	1.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		40-125
321-60-8	2-Fluorobiphenyl	89		50-110
367-12-4	2-Fluorophenol (Surr)	63		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	97		40-110
4165-62-2	Phenol-d5 (Surr)	69		10-115
1718-51-0	Terphenyl-d14 (Surr)	43	Q	50-135

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7496.D
Lims ID: 280-48651-A-6-A Lab Sample ID: 280-48651-6
Client ID: AOI474SW0102AA
Sample Type: Client
Inject. Date: 14-Nov-2013 16:24:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-6-a
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:54 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 17-Nov-2013 12:22:29

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.309	4.308	0.001	98	172812	40.0	
*	2 Naphthalene-d8	136	5.360	5.360	0.0	100	691884	40.0	
*	3 Acenaphthene-d10	164	6.829	6.828	0.001	91	392352	40.0	
*	4 Phenanthrene-d10	188	8.087	8.086	0.001	98	644574	40.0	
*	5 Chrysene-d12	240	11.700	11.693	0.007	97	670801	40.0	
*	6 Perylene-d12	264	15.695	15.689	0.006	97	622054	40.0	
$	7 2-Fluorophenol	112	3.263	3.262	0.001	94	399493	63.0	
$	8 Phenol-d5	99	3.986	3.990	-0.004	85	565634	69.3	
$	9 Nitrobenzene-d5	82	4.761	4.766	-0.005	90	709075	97.1	
$	11 2-Fluorobiphenyl	172	6.236	6.241	-0.004	99	1106164	88.7	
$	12 2,4,6-Tribromophenol	330	7.499	7.498	0.001	91	162910	80.8	
$	13 Terphenyl-d14	244	9.720	9.719	0.001	98	580329	42.8	
	28 N-Nitrosodimethylamine	74		2.186					
	39 Benzaldehyde	106		3.967					
	40 Phenol	94		4.002					
	45 Bis(2-chloroethyl)ether	93		4.072					
	48 2-Chlorophenol	128		4.143					
	49 1,3-Dichlorobenzene	146		4.266					
	50 1,4-Dichlorobenzene	146		4.325					
	51 Benzyl alcohol	108	4.409	4.407	0.002	52	4166	0.9219	
	52 1,2-Dichlorobenzene	146		4.448					
	54 2-Methylphenol	108		4.484					
	55 2,2'-oxybis[1-chloropropane]	45		4.496					
	60 3 & 4 Methylphenol	108		4.607					
	61 N-Nitrosodi-n-propylamine	70	4.614	4.607	0.007	48	6265	1.28	
	62 N-Nitrosopyrrolidine	100		4.621					
	63 Acetophenone	105		4.625					
	66 Hexachloroethane	117		4.725					
	67 Nitrobenzene	77		4.778					
	71 Isophorone	82		4.960					
	73 2,4-Dimethylphenol	107		5.042					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
74 2-Nitrophenol	139		5.042					
77 Benzoic acid	105		5.124					
78 Bis(2-chloroethoxy)methane	93		5.112					
82 2,4-Dichlorophenol	162		5.236					
84 1,2,4-Trichlorobenzene	180		5.306					
87 Naphthalene	128		5.377					
88 4-Chloroaniline	127		5.412					
89 2,6-Dichlorophenol	162		5.420					
91 Hexachlorobutadiene	225		5.453					
94 Caprolactam	55		5.706					
97 4-Chloro-3-methylphenol	107		5.800					
101 2-Methylnaphthalene	142		5.947					
105 Hexachlorocyclopentadiene	237		6.064					
106 1,2,4,5-Tetrachlorobenzene	216		6.088					
108 2,4,6-Trichlorophenol	196		6.182					
110 2,4,5-Trichlorophenol	196		6.217					
112 1,1'-Biphenyl	154		6.329					
114 2-Chloronaphthalene	162		6.364					
116 2-Nitroaniline	65		6.452					
119 Dimethyl phthalate	163		6.564					
121 2,6-Dinitrotoluene	165		6.634					
122 Acenaphthylene	152		6.716					
123 3-Nitroaniline	138		6.793					
124 Acenaphthene	153		6.857					
126 2,4-Dinitrophenol	184		6.875					
127 4-Nitrophenol	109		6.928					
130 2,4-Dinitrotoluene	165		6.975					
132 Dibenzofuran	168		7.004					
134 2,3,4,6-Tetrachlorophenol	232		7.098					
139 Diethyl phthalate	149		7.139					
142 4-Chlorophenyl phenyl ether	204		7.263					
143 Fluorene	166		7.292					
146 4-Nitroaniline	138		7.316					
147 4,6-Dinitro-2-methylphenol	198		7.322					
150 N-Nitrosodiphenylamine	169		7.369					
151 1,2-Diphenylhydrazine	77		7.398					
164 4-Bromophenyl phenyl ether	248		7.680					
165 Hexachlorobenzene	284		7.756					
167 Atrazine	200		7.786					
171 Pentachlorophenol	266		7.921					
176 Phenanthrene	178		8.109					
177 Anthracene	178		8.150					
178 Carbazole	167		8.285					
181 Di-n-butyl phthalate	149		8.497					
188 Fluoranthene	202		9.272					
189 Benzidine	184		9.419					
191 Pyrene	202		9.578					
198 Butyl benzyl phthalate	149		10.459					
203 Bis(2-ethylhexyl) phthalate	149		11.593					
205 3,3'-Dichlorobenzidine	252		11.628					
206 Benzo[a]anthracene	228		11.675					
207 Chrysene	228		11.763					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
209 Di-n-octyl phthalate	149		13.326					
211 Benzo[b]fluoranthene	252		14.519					
212 Benzo[k]fluoranthene	252		14.601					
215 Benzo[a]pyrene	252		15.512					
221 Dibenz(a,h)anthracene	278		19.143					
222 Indeno[1,2,3-cd]pyrene	276		19.078					
223 Benzo[g,h,i]perylene	276		19.678					

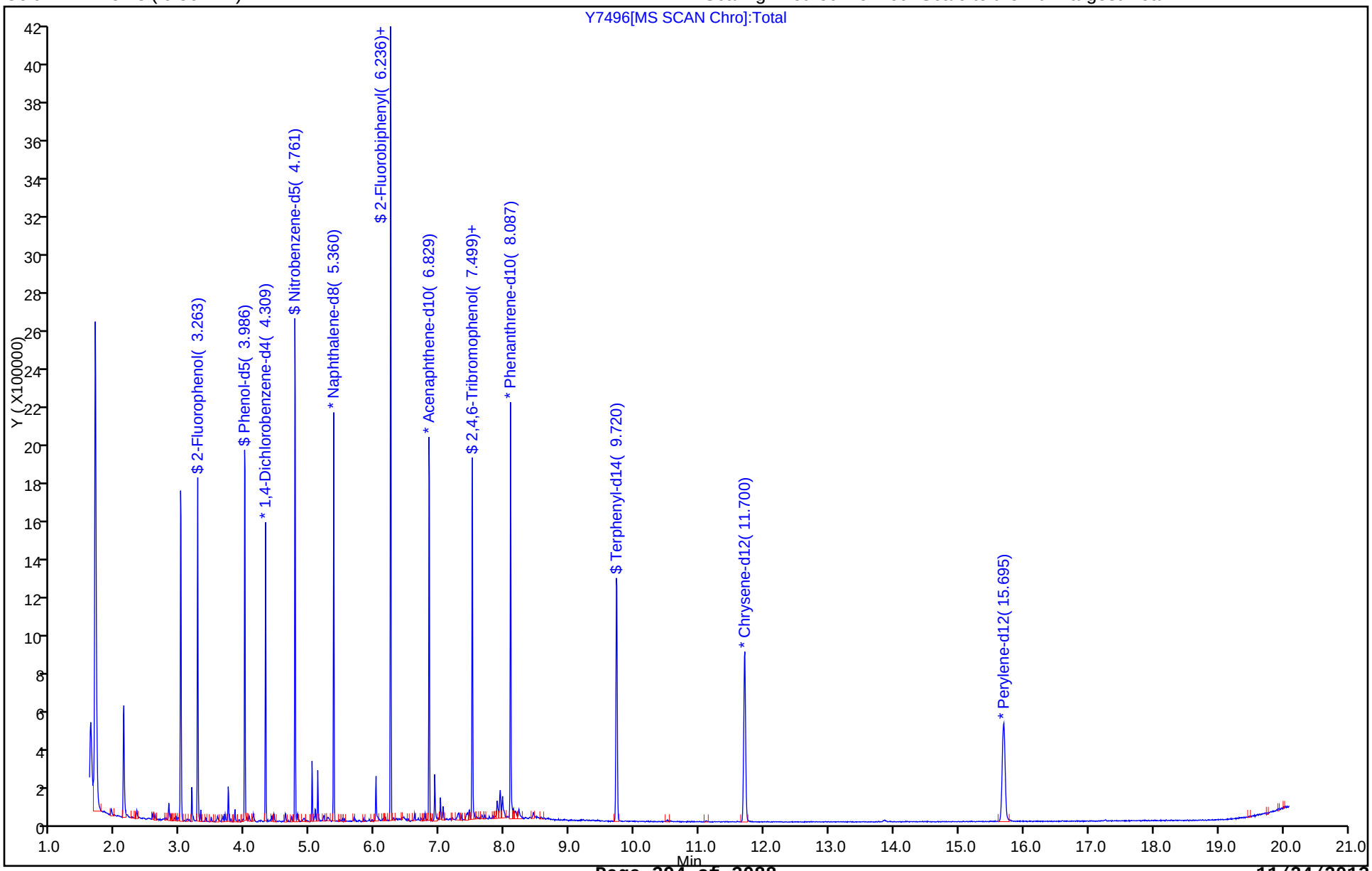
Report Date: 17-Nov-2013 12:32:58 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7496.D

Injection Date:	14-Nov-2013 16:24:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-6-A	Lab Sample ID:	280-48651-6	Worklist Smp#:	9
Client ID:	AOI474SW0102AA				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

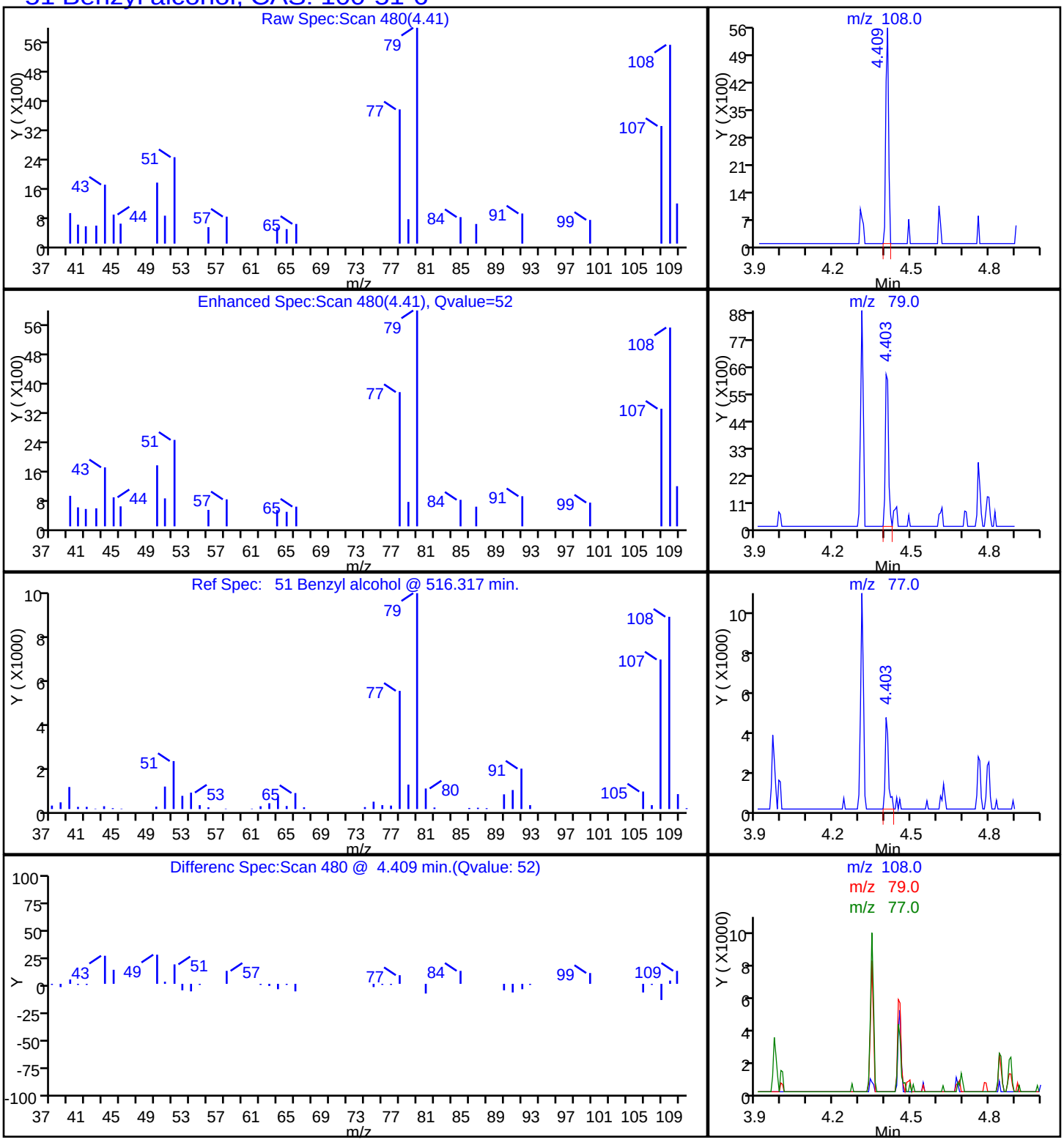


TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7496.D

Injection Date:	14-Nov-2013 16:24:30	Instrument ID:	SMS_Y
Lims ID:	280-48651-A-6-A	Lab Sample ID:	280-48651-6
Client ID:	AOI474SW0102AA		
Operator ID:	hoffmanm	ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	0.5 ul	Dil. Factor:	1.0000
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN

51 Benzyl alcohol, CAS: 100-51-6



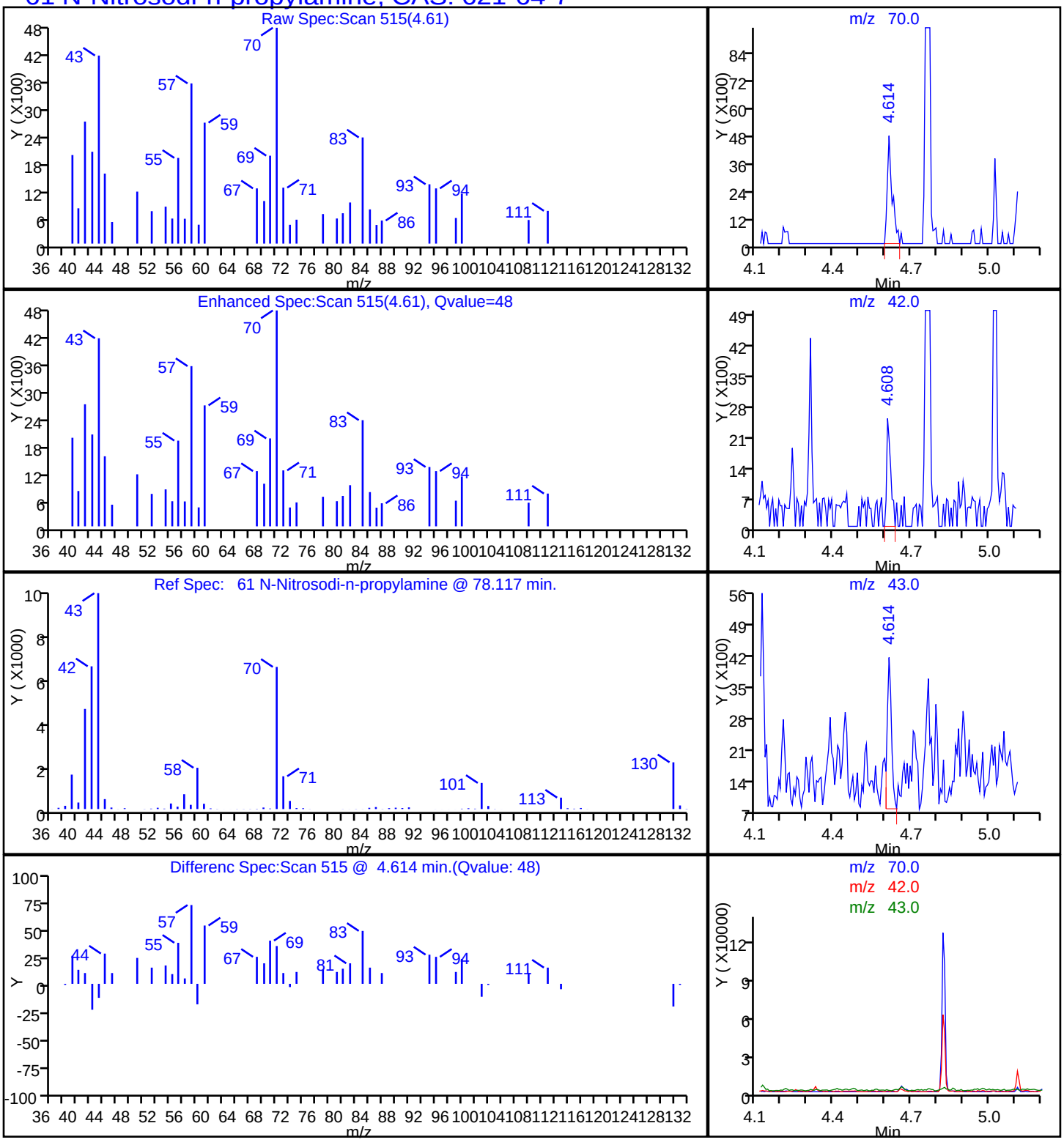
Report Date: 17-Nov-2013 12:32:58 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7496.D

Injection Date:	14-Nov-2013 16:24:30	Instrument ID:	SMS_Y
Lims ID:	280-48651-A-6-A	Lab Sample ID:	280-48651-6
Client ID:	AOI474SW0102AA		
Operator ID:	hoffmanm	ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	0.5 ul	Dil. Factor:	1.0000
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN

61 N-Nitrosodi-n-propylamine, CAS: 621-64-7



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: 103013AE | Lab Sample ID: 280-48651-7

Matrix: Water | Lab File ID: Y7497.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 14:15

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1052.3(mL) | Date Analyzed: 11/14/2013 16:51

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	1.9	U	9.5	1.9	1.7
95-94-3	1,2,4,5-Tetrachlorobenzene	1.9	U	9.5	1.9	1.6
120-82-1	1,2,4-Trichlorobenzene	0.95	U	9.5	0.95	0.27
95-50-1	1,2-Dichlorobenzene	0.95	U	9.5	0.95	0.22
122-66-7	1,2-Diphenylhydrazine	0.95	U	9.5	0.95	0.22
541-73-1	1,3-Dichlorobenzene	0.95	U	9.5	0.95	0.29
106-46-7	1,4-Dichlorobenzene	0.95	U	9.5	0.95	0.30
108-60-1	2,2'-oxybis[1-chloropropane]	0.95	U	9.5	0.95	0.27
58-90-2	2,3,4,6-Tetrachlorophenol	1.9	U	48	1.9	1.9
95-95-4	2,4,5-Trichlorophenol	0.95	U	19	0.95	0.43
88-06-2	2,4,6-Trichlorophenol	0.95	U	19	0.95	0.28
120-83-2	2,4-Dichlorophenol	1.9	U	9.5	1.9	0.61
105-67-9	2,4-Dimethylphenol	3.8	U	9.5	3.8	0.55
51-28-5	2,4-Dinitrophenol	19	U	76	19	9.5
121-14-2	2,4-Dinitrotoluene	3.8	U	19	3.8	1.6
87-65-0	2,6-Dichlorophenol	3.8	U	9.5	3.8	1.3
606-20-2	2,6-Dinitrotoluene	3.8	U	19	3.8	1.8
91-58-7	2-Chloronaphthalene	0.95	U	9.5	0.95	0.25
95-57-8	2-Chlorophenol	3.8	U	9.5	3.8	1.9
91-57-6	2-Methylnaphthalene	0.95	U	9.5	0.95	0.28
95-48-7	2-Methylphenol	3.8	U	9.5	3.8	0.93
88-74-4	2-Nitroaniline	3.8	U	48	3.8	1.6
88-75-5	2-Nitrophenol	0.95	U	19	0.95	0.37
15831-10-4	3 & 4 Methylphenol	0.95	U	19	0.95	0.24
91-94-1	3,3'-Dichlorobenzidine	9.5	U	48	9.5	1.9
99-09-2	3-Nitroaniline	1.9	U	48	1.9	1.9
534-52-1	4,6-Dinitro-2-methylphenol	9.5	U	76	9.5	3.8
101-55-3	4-Bromophenyl phenyl ether	0.95	U	9.5	0.95	0.41
59-50-7	4-Chloro-3-methylphenol	4.8	U	19	4.8	2.3
106-47-8	4-Chloroaniline	4.8	U	24	4.8	2.0
7005-72-3	4-Chlorophenyl phenyl ether	3.8	U	9.5	3.8	1.6
100-01-6	4-Nitroaniline	3.8	U	48	3.8	1.9
100-02-7	4-Nitrophenol	9.5	U	48	9.5	1.2
83-32-9	Acenaphthene	0.95	U	9.5	0.95	0.27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: 103013AE | Lab Sample ID: 280-48651-7

Matrix: Water | Lab File ID: Y7497.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 14:15

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1052.3(mL) | Date Analyzed: 11/14/2013 16:51

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	0.95	U	9.5	0.95	0.47
98-86-2	Acetophenone	4.8	U	9.5	4.8	0.23
120-12-7	Anthracene	0.95	U	9.5	0.95	0.40
1912-24-9	Atrazine	9.5	U	48	9.5	0.69
100-52-7	Benzaldehyde	1.9	U	9.5	1.9	1.9
92-87-5	Benzidine	95	U	190	95	48
56-55-3	Benzo[a]anthracene	0.95	U	9.5	0.95	0.33
50-32-8	Benzo[a]pyrene	0.95	U	9.5	0.95	0.29
205-99-2	Benzo[b]fluoranthene	0.95	U	9.5	0.95	0.50
191-24-2	Benzo[g,h,i]perylene	0.95	U	9.5	0.95	0.48
207-08-9	Benzo[k]fluoranthene	0.95	U	9.5	0.95	0.44
65-85-0	Benzoic acid	48	U	76	48	9.5
100-51-6	Benzyl alcohol	0.95	U	24	0.95	0.22
111-91-1	Bis(2-chloroethoxy)methane	3.8	U	9.5	3.8	0.92
111-44-4	Bis(2-chloroethyl)ether	0.95	U	19	0.95	0.39
117-81-7	Bis(2-ethylhexyl) phthalate	0.95	U	9.5	0.95	0.53
85-68-7	Butyl benzyl phthalate	3.8	U	19	3.8	0.95
105-60-2	Caprolactam	9.5	U	33	9.5	4.8
86-74-8	Carbazole	0.95	U	9.5	0.95	0.41
218-01-9	Chrysene	0.95	U	9.5	0.95	0.51
53-70-3	Dibenz(a,h)anthracene	0.95	U	9.5	0.95	0.48
132-64-9	Dibenzofuran	0.95	U	9.5	0.95	0.28
84-66-2	Diethyl phthalate	0.95	U	19	0.95	0.36
131-11-3	Dimethyl phthalate	0.95	U	19	0.95	0.20
84-74-2	Di-n-butyl phthalate	3.8	U	19	3.8	1.1
117-84-0	Di-n-octyl phthalate	0.95	U	19	0.95	0.33
206-44-0	Fluoranthene	0.95	U	19	0.95	0.19
86-73-7	Fluorene	0.95	U	9.5	0.95	0.29
118-74-1	Hexachlorobenzene	0.95	U	9.5	0.95	0.63
87-68-3	Hexachlorobutadiene	9.5	U	29	9.5	3.1
77-47-4	Hexachlorocyclopentadiene	19	U	48	19	9.5
67-72-1	Hexachloroethane	3.8	U	9.5	3.8	2.0
193-39-5	Indeno[1,2,3-cd]pyrene	0.95	U	9.5	0.95	0.62
78-59-1	Isophorone	0.95	U	9.5	0.95	0.20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: 103013AE | Lab Sample ID: 280-48651-7

Matrix: Water | Lab File ID: Y7497.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 14:15

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1052.3(mL) | Date Analyzed: 11/14/2013 16:51

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	0.95	U	9.5	0.95	0.28
98-95-3	Nitrobenzene	1.9	U	19	1.9	0.77
62-75-9	N-Nitrosodimethylamine	0.95	U	9.5	0.95	0.28
621-64-7	N-Nitrosodi-n-propylamine	0.95	U	19	0.95	0.33
86-30-6	N-Nitrosodiphenylamine	0.95	U	9.5	0.95	0.42
930-55-2	N-Nitrosopyrrolidine	3.8	U	9.5	3.8	0.76
87-86-5	Pentachlorophenol	38	U	76	38	19
85-01-8	Phenanthrene	0.95	U	9.5	0.95	0.25
108-95-2	Phenol	4.8	U	9.5	4.8	1.9
129-00-0	Pyrene	0.95	U	9.5	0.95	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		40-125
321-60-8	2-Fluorobiphenyl	93		50-110
367-12-4	2-Fluorophenol (Surr)	92		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	97		40-110
4165-62-2	Phenol-d5 (Surr)	96		10-115
1718-51-0	Terphenyl-d14 (Surr)	100		50-135

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7497.D
Lims ID: 280-48651-A-7-A Lab Sample ID: 280-48651-7
Client ID: 103013AE
Sample Type: Client
Inject. Date: 14-Nov-2013 16:51:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-7-a
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:54 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 17-Nov-2013 12:23:08

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.309	4.308	0.001	98	174416	40.0	
*	2 Naphthalene-d8	136	5.361	5.360	0.001	100	702243	40.0	
*	3 Acenaphthene-d10	164	6.830	6.828	0.002	93	392059	40.0	
*	4 Phenanthrene-d10	188	8.087	8.086	0.001	97	650692	40.0	
*	5 Chrysene-d12	240	11.701	11.693	0.008	97	674491	40.0	
*	6 Perylene-d12	264	15.690	15.689	0.001	97	619095	40.0	
$	7 2-Fluorophenol	112	3.264	3.262	0.002	93	588832	91.9	
$	8 Phenol-d5	99	3.986	3.990	-0.004	84	793806	96.3	
$	9 Nitrobenzene-d5	82	4.762	4.766	-0.004	90	722090	97.5	
$	11 2-Fluorobiphenyl	172	6.237	6.241	-0.003	99	1153740	92.6	
$	12 2,4,6-Tribromophenol	330	7.500	7.498	0.002	93	170923	84.8	
$	13 Terphenyl-d14	244	9.727	9.719	0.008	98	1365190	100.1	
	28 N-Nitrosodimethylamine	74		2.186					
	39 Benzaldehyde	106		3.967					
	40 Phenol	94		4.002					
	45 Bis(2-chloroethyl)ether	93		4.072					
	48 2-Chlorophenol	128		4.143					
	49 1,3-Dichlorobenzene	146		4.266					
	50 1,4-Dichlorobenzene	146		4.325					
	51 Benzyl alcohol	108		4.407					
	52 1,2-Dichlorobenzene	146		4.448					
	54 2-Methylphenol	108		4.484					
	55 2,2'-oxybis[1-chloropropane]	45		4.496					
	60 3 & 4 Methylphenol	108		4.607					
	61 N-Nitrosodi-n-propylamine	70		4.607					
	62 N-Nitrosopyrrolidine	100		4.621					
	63 Acetophenone	105		4.625					
	66 Hexachloroethane	117		4.725					
	67 Nitrobenzene	77		4.778					
	71 Isophorone	82		4.960					
	73 2,4-Dimethylphenol	107		5.042					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
74 2-Nitrophenol	139		5.042					
77 Benzoic acid	105		5.124					
78 Bis(2-chloroethoxy)methane	93		5.112					
82 2,4-Dichlorophenol	162		5.236					
84 1,2,4-Trichlorobenzene	180		5.306					
87 Naphthalene	128		5.377					
88 4-Chloroaniline	127		5.412					
89 2,6-Dichlorophenol	162		5.420					
91 Hexachlorobutadiene	225		5.453					
94 Caprolactam	55		5.706					
97 4-Chloro-3-methylphenol	107		5.800					
101 2-Methylnaphthalene	142		5.947					
105 Hexachlorocyclopentadiene	237		6.064					
106 1,2,4,5-Tetrachlorobenzene	216		6.088					
108 2,4,6-Trichlorophenol	196		6.182					
110 2,4,5-Trichlorophenol	196		6.217					
112 1,1'-Biphenyl	154		6.329					
114 2-Chloronaphthalene	162		6.364					
116 2-Nitroaniline	65		6.452					
119 Dimethyl phthalate	163		6.564					
121 2,6-Dinitrotoluene	165		6.634					
122 Acenaphthylene	152		6.716					
123 3-Nitroaniline	138		6.793					
124 Acenaphthene	153		6.857					
126 2,4-Dinitrophenol	184		6.875					
127 4-Nitrophenol	109		6.928					
130 2,4-Dinitrotoluene	165		6.975					
132 Dibenzofuran	168		7.004					
134 2,3,4,6-Tetrachlorophenol	232		7.098					
139 Diethyl phthalate	149		7.139					
142 4-Chlorophenyl phenyl ether	204		7.263					
143 Fluorene	166		7.292					
146 4-Nitroaniline	138		7.316					
147 4,6-Dinitro-2-methylphenol	198		7.322					
150 N-Nitrosodiphenylamine	169		7.369					
151 1,2-Diphenylhydrazine	77		7.398					
164 4-Bromophenyl phenyl ether	248		7.680					
165 Hexachlorobenzene	284		7.756					
167 Atrazine	200		7.786					
171 Pentachlorophenol	266		7.921					
176 Phenanthrene	178		8.109					
177 Anthracene	178		8.150					
178 Carbazole	167		8.285					
181 Di-n-butyl phthalate	149		8.497					
188 Fluoranthene	202		9.272					
189 Benzidine	184		9.419					
191 Pyrene	202		9.578					
198 Butyl benzyl phthalate	149		10.459					
203 Bis(2-ethylhexyl) phthalate	149		11.593					
205 3,3'-Dichlorobenzidine	252		11.628					
206 Benzo[a]anthracene	228		11.675					
207 Chrysene	228		11.763					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
209 Di-n-octyl phthalate	149		13.326					
211 Benzo[b]fluoranthene	252		14.519					
212 Benzo[k]fluoranthene	252		14.601					
215 Benzo[a]pyrene	252		15.512					
221 Dibenz(a,h)anthracene	278		19.143					
222 Indeno[1,2,3-cd]pyrene	276		19.078					
223 Benzo[g,h,i]perylene	276		19.678					

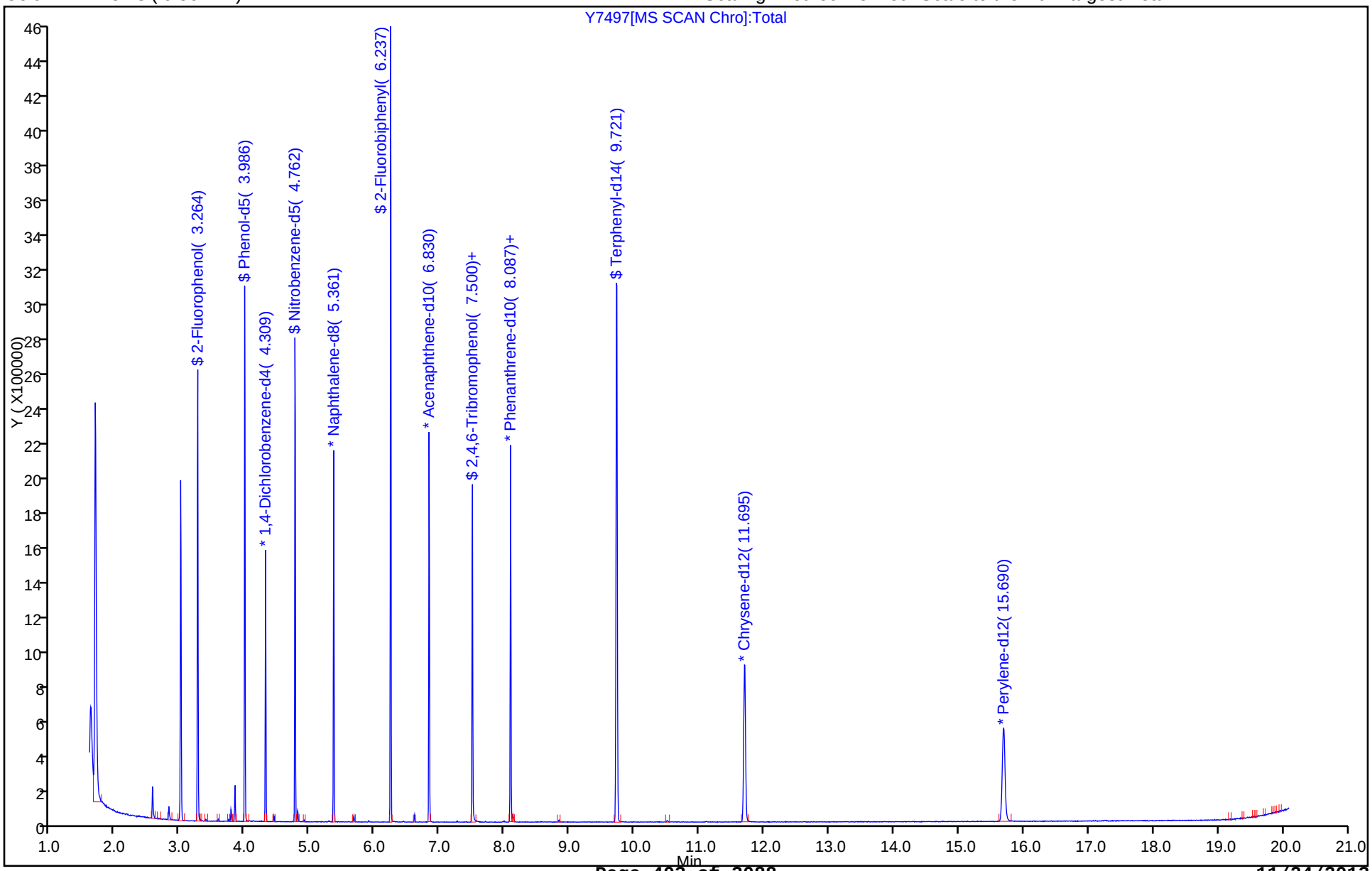
Report Date: 17-Nov-2013 12:32:58 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7497.D

Injection Date:	14-Nov-2013 16:51:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-7-A	Lab Sample ID:	280-48651-7	Worklist Smp#:	10
Client ID:	103013AE				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192224

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2013 18:09 Calibration End Date: 09/18/2013 20:27 Calibration ID: 15538

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-192224/16	Y6535.D
Level 2	IC 280-192224/15	Y6534.D
Level 3	IC 280-192224/14	Y6533.D
Level 4	IC 280-192224/13	Y6532.D
Level 5	IC 280-192224/12	Y6531.D
Level 6	IC 280-192224/11	Y6530.D
Level 7	IC 280-192224/10	Y6529.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.2796 1.1743	1.2726 1.1359	1.2977	1.2609	1.2216	Ave		1.2347				4.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192224

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2013 18:09 Calibration End Date: 09/18/2013 20:27 Calibration ID: 15538

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-192224/16	Y6535.D
Level 2	IC 280-192224/15	Y6534.D
Level 3	IC 280-192224/14	Y6533.D
Level 4	IC 280-192224/13	Y6532.D
Level 5	IC 280-192224/12	Y6531.D
Level 6	IC 280-192224/11	Y6530.D
Level 7	IC 280-192224/10	Y6529.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	89191 1324128	181566 1588265	450085	726367	1070331	10.0 160	20.0 200	50.0	80.0	120

Curve Type Legend:
Ave = Average ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6529.D
Lims ID: IC BZHD200 Client ID:
Inject. Date: 18-Sep-2013 18:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: IC BZHD200
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 10
Lims Batch ID: 192224 Lims Sample ID: 10
Sublist: chrom-SMSY_8270C*sub1
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 19-Sep-2013 14:11:34 Calib Date: 19-Sep-2013 00:25:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kellisonm Date: 19-Sep-2013 14:11:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.399	4.397	0.002	97	279644	40.0	
* 2 Naphthalene-d8	136	5.433	5.431	0.002	100	1080775	40.0	
* 3 Acenaphthene-d10	164	6.908	6.911	-0.003	91	643782	40.0	
* 4 Phenanthrene-d10	188	8.171	8.175	-0.004	97	1064347	40.0	
* 5 Chrysene-d12	240	11.908	11.911	-0.003	85	1085610	40.0	
* 6 Perylene-d12	264	15.997	15.995	0.002	98	985960	40.0	
39 Benzaldehyde	106	4.064	4.064	0.0	91	1588265	184.0	A

QC Flag Legend

Review Flags
A - User Assigned ID

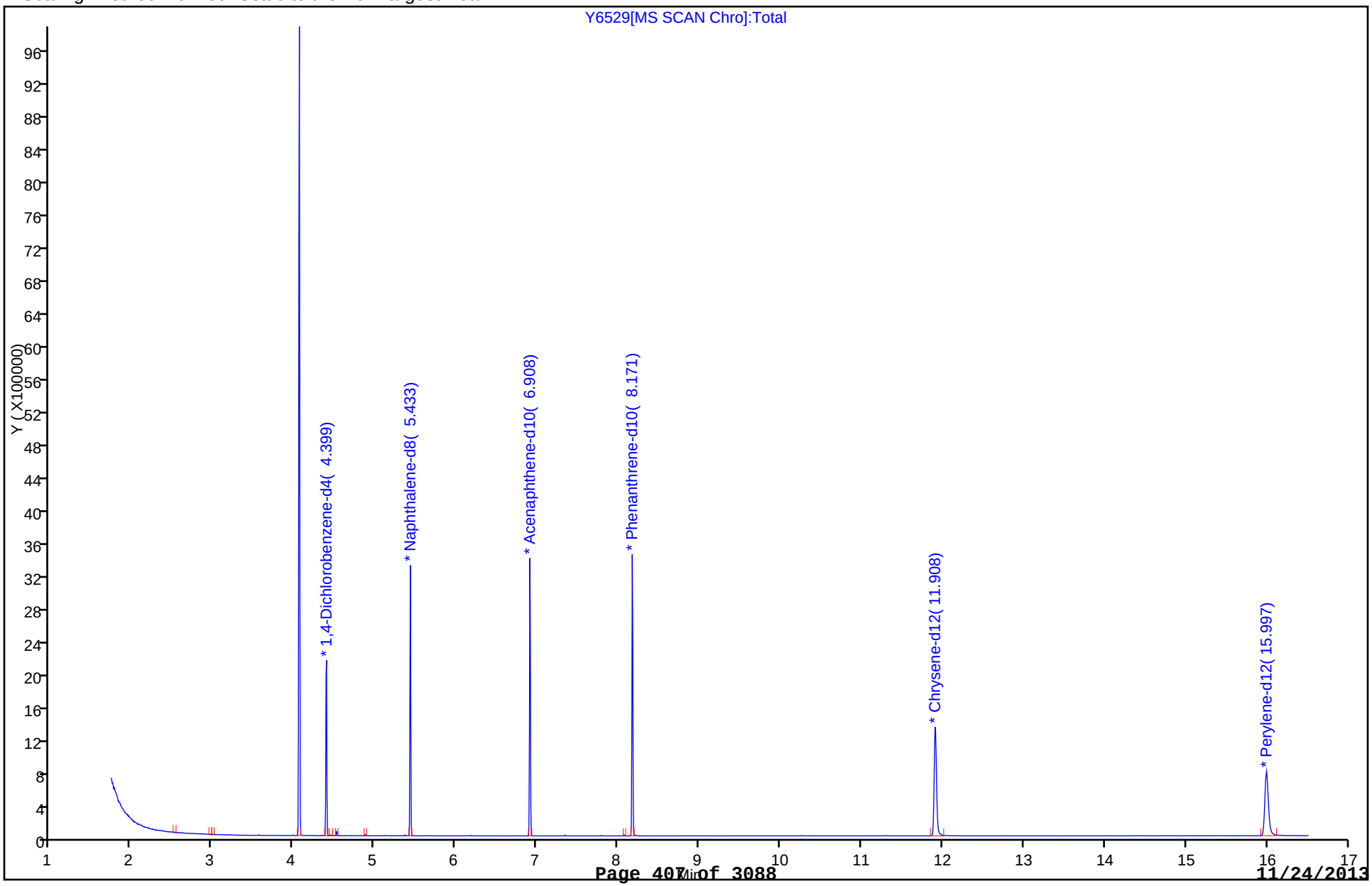
Report Date: 19-Sep-2013 14:11:34 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6529.D

Injection Date:	18-Sep-2013 18:09:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	10
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

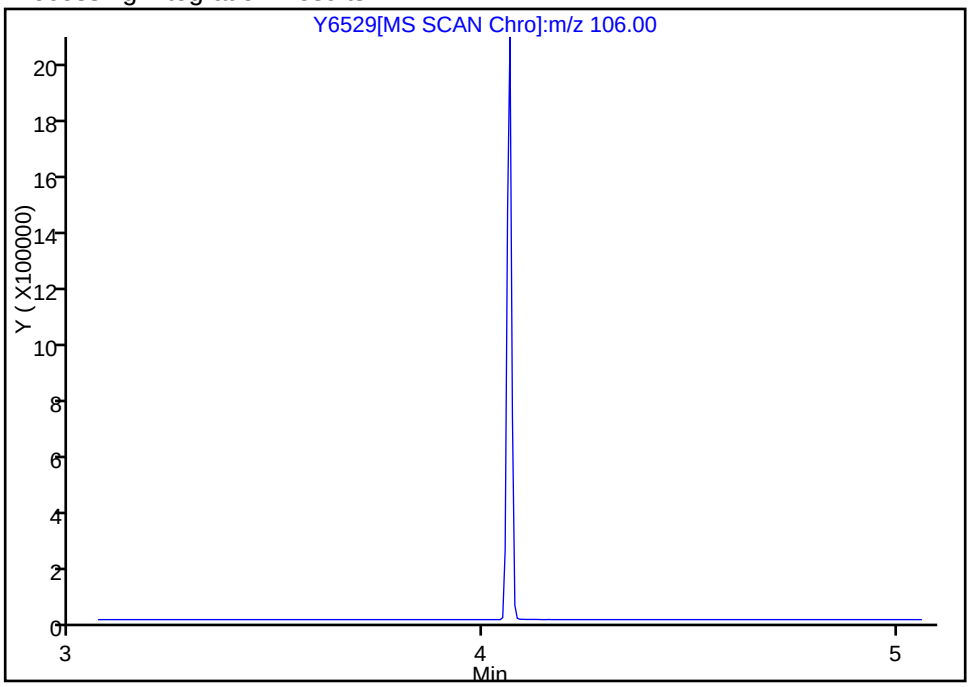
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6529.D		
Injection Date:	18-Sep-2013 18:09:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	10
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

39 Benzaldehyde, Signal: 1, m/z: 106.0 Type: quant, RT: 4.06

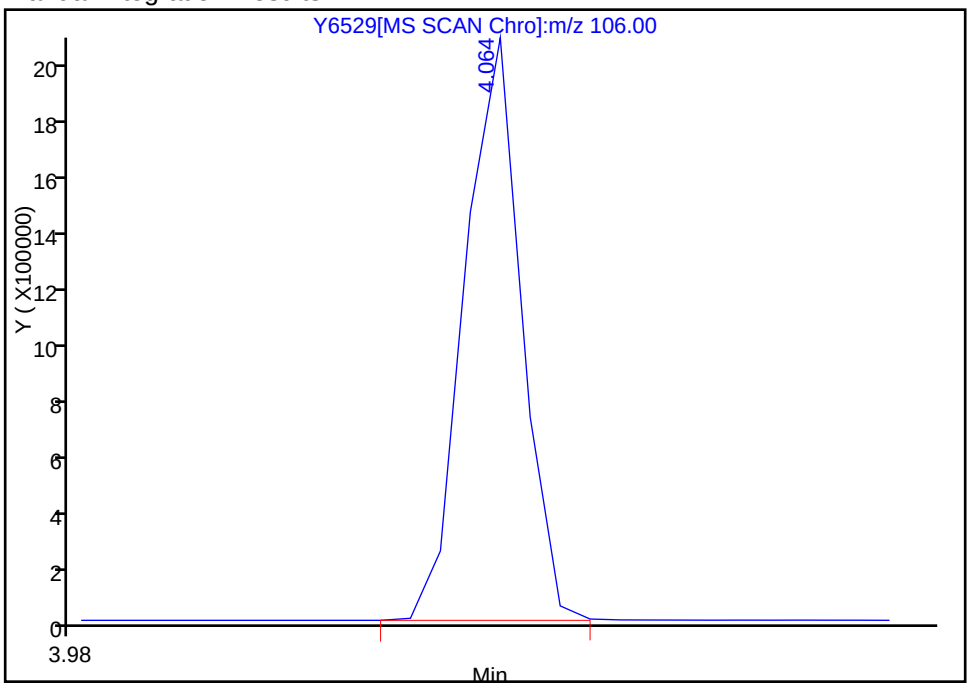
Processing Integration Results

Not Detected
Expected RT: 4.06



Manual Integration Results

RT: 4.06
Response: 1588265
Amount: 184.0061



Reviewer: kellisonm, 19-Sep-2013 10:29:39
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6530.D		
Lims ID:	IC BZHD160	Client ID:	
Inject. Date:	18-Sep-2013 18:32:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC BZHD160		
Misc. Info.:			
Operator:	hoffmanm	Instrument ID:	SMS_Y
Injection Vol:	0.5 ul	ALS Bottle#:	11
Lims Batch ID:	192224	Lims Sample ID:	11
Sublist:	chrom-SMSY_8270C*sub1		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m		
Method Label:	8270C / 625		
Last Update:	19-Sep-2013 12:00:11	Calib Date:	19-Sep-2013 00:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kellisonm		Date:	19-Sep-2013 10:29:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.400	4.397	0.003	97	281895	40.0	
* 2 Naphthalene-d8	136	5.434	5.431	0.003	100	1106126	40.0	
* 3 Acenaphthene-d10	164	6.909	6.911	-0.002	91	655994	40.0	
* 4 Phenanthrene-d10	188	8.172	8.175	-0.003	97	1102287	40.0	
* 5 Chrysene-d12	240	11.915	11.911	0.004	84	1134454	40.0	
* 6 Perylene-d12	264	15.998	15.995	0.003	98	1021071	40.0	
39 Benzaldehyde	106	4.065	4.064	0.001	91	1324128	152.2	

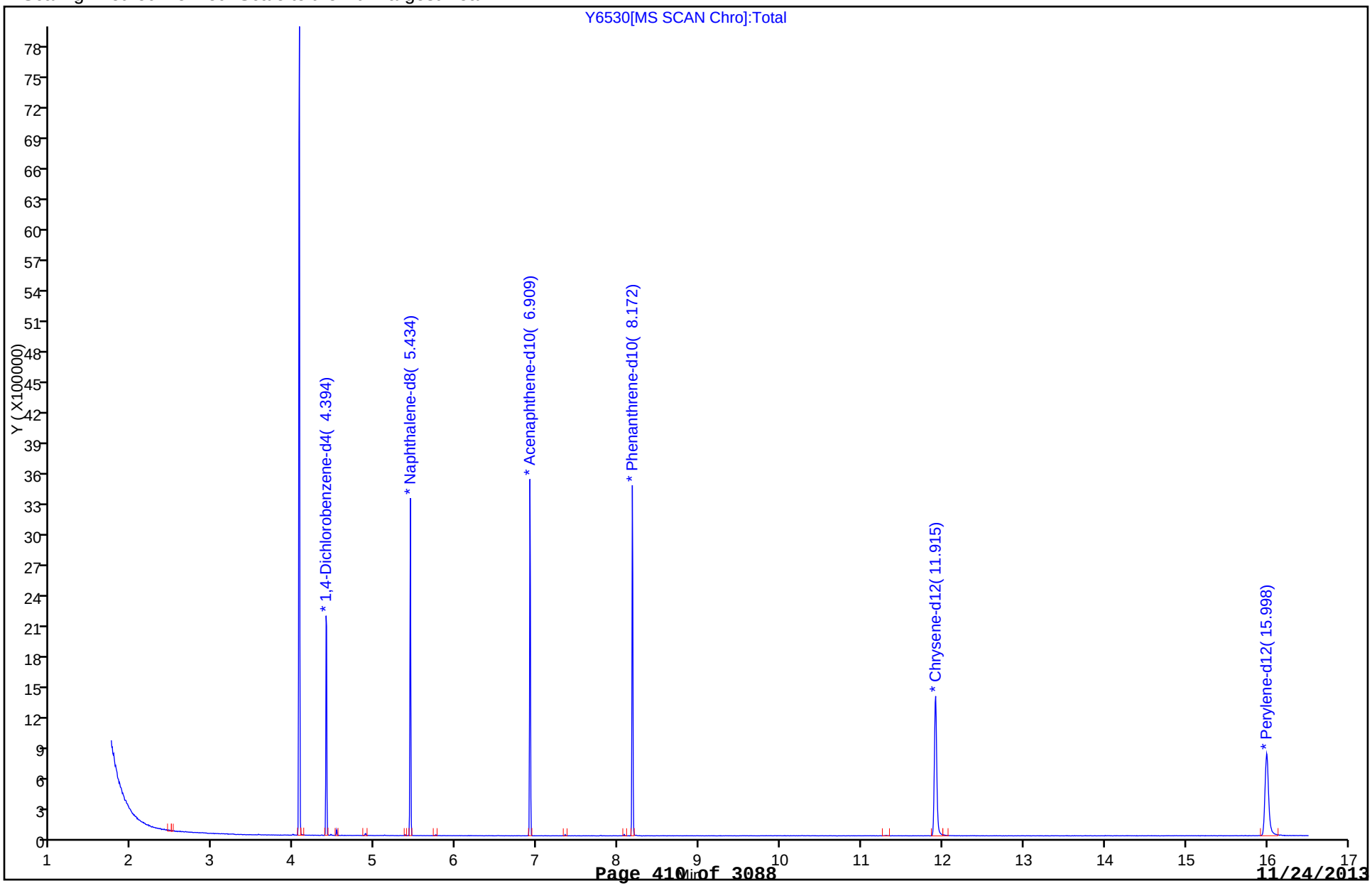
Report Date: 19-Sep-2013 12:00:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6530.D

Injection Date:	18-Sep-2013 18:32:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	11
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6531.D		
Lims ID:	IC BZHD120	Client ID:	
Inject. Date:	18-Sep-2013 18:55:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC BZHD120		
Misc. Info.:			
Operator:	hoffmanm	Instrument ID:	SMS_Y
Injection Vol:	0.5 ul	ALS Bottle#:	12
Lims Batch ID:	192224	Lims Sample ID:	12
Sublist:	chrom-SMSY_8270C*sub1		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m		
Method Label:	8270C / 625		
Last Update:	19-Sep-2013 14:11:53	Calib Date:	19-Sep-2013 00:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kellisonm		Date:	19-Sep-2013 10:29:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.399	4.397	0.002	97	292050	40.0	
* 2 Naphthalene-d8	136	5.433	5.431	0.002	100	1138558	40.0	
* 3 Acenaphthene-d10	164	6.908	6.911	-0.003	91	672992	40.0	
* 4 Phenanthrene-d10	188	8.171	8.175	-0.004	97	1121019	40.0	
* 5 Chrysene-d12	240	11.914	11.911	0.003	81	1155851	40.0	
* 6 Perylene-d12	264	16.003	15.995	0.008	98	1040473	40.0	
39 Benzaldehyde	106	4.064	4.064	0.0	90	1070331	118.7	

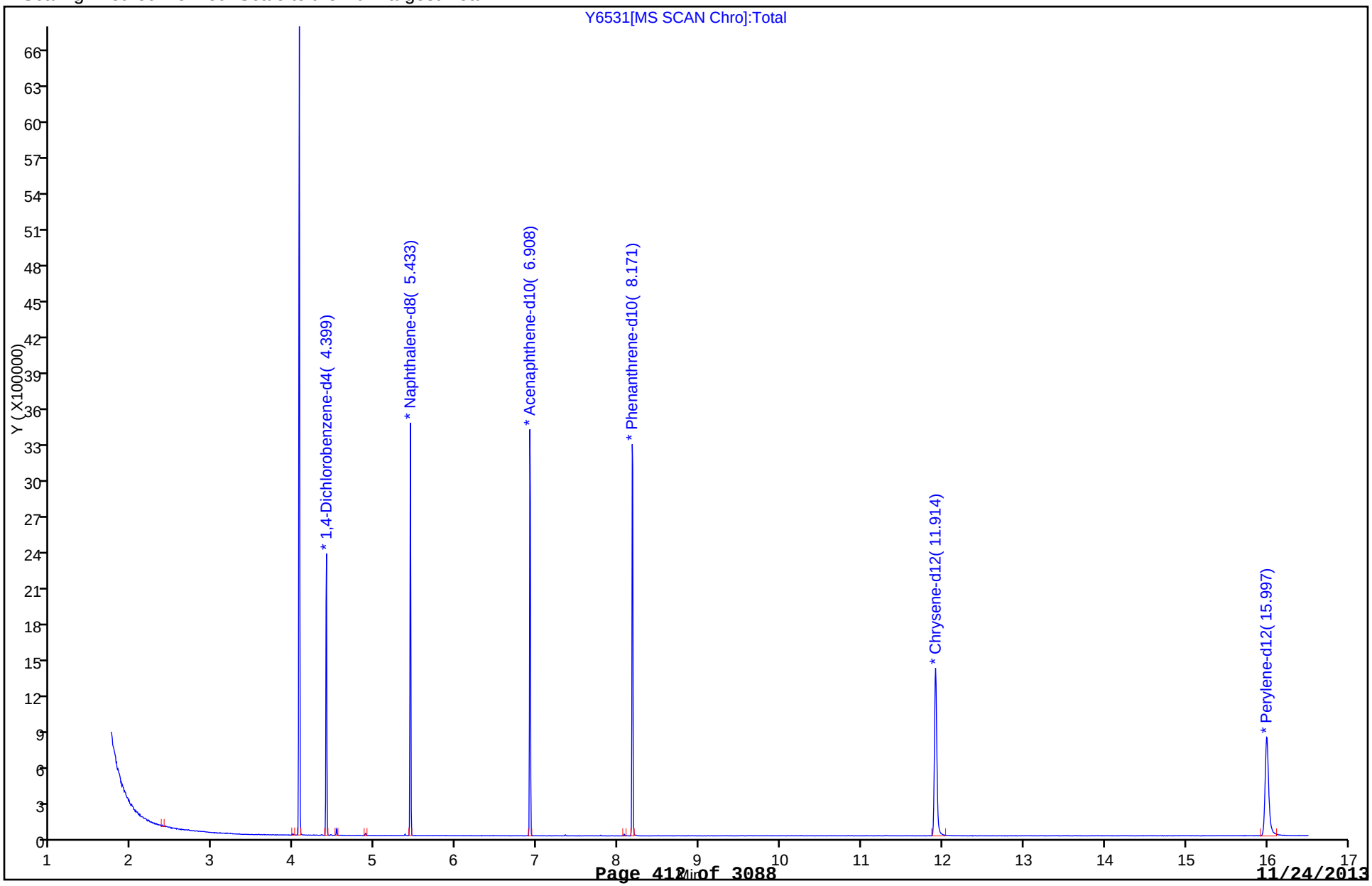
Report Date: 19-Sep-2013 14:11:53 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6531.D

Injection Date:	18-Sep-2013 18:55:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	12
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6532.D		
Lims ID:	IC BZHD080	Client ID:	
Inject. Date:	18-Sep-2013 19:18:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC BZHD080		
Misc. Info.:			
Operator:	hoffmanm	Instrument ID:	SMS_Y
Injection Vol:	0.5 ul	ALS Bottle#:	13
Lims Batch ID:	192224	Lims Sample ID:	13
Sublist:	chrom-SMSY_8270C*sub1		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m		
Method Label:	8270C / 625		
Last Update:	19-Sep-2013 14:12:29	Calib Date:	19-Sep-2013 00:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kellisonm		Date:	19-Sep-2013 10:29:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.400	4.397	0.003	96	288035	40.0	
* 2 Naphthalene-d8	136	5.434	5.431	0.003	100	1126617	40.0	
* 3 Acenaphthene-d10	164	6.909	6.911	-0.002	91	655379	40.0	
* 4 Phenanthrene-d10	188	8.172	8.175	-0.003	97	1088826	40.0	
* 5 Chrysene-d12	240	11.914	11.911	0.003	81	1129602	40.0	
* 6 Perylene-d12	264	15.998	15.995	0.003	86	1012852	40.0	
39 Benzaldehyde	106	4.065	4.064	0.001	90	726367	81.7	

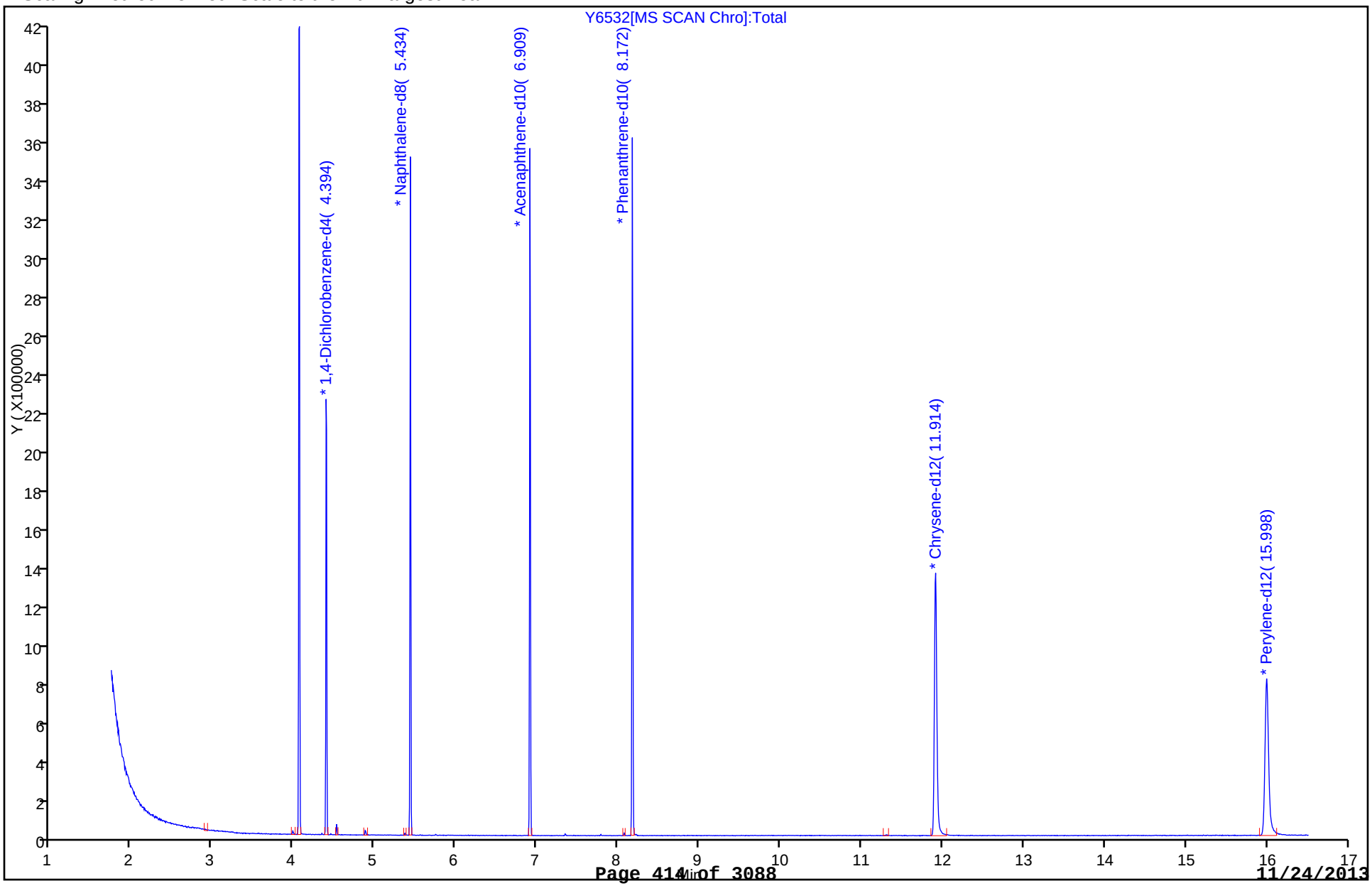
Report Date: 19-Sep-2013 14:12:29 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6532.D

Injection Date:	18-Sep-2013 19:18:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	13
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6533.D		
Lims ID:	IC BZHD050	Client ID:	
Inject. Date:	18-Sep-2013 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC BZHD050		
Misc. Info.:			
Operator:	hoffmanm	Instrument ID:	SMS_Y
Injection Vol:	0.5 ul	ALS Bottle#:	14
Lims Batch ID:	192224	Lims Sample ID:	14
Sublist:	chrom-SMSY_8270C*sub1		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m		
Method Label:	8270C / 625		
Last Update:	19-Sep-2013 14:12:56	Calib Date:	19-Sep-2013 00:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kellisonm		Date:	19-Sep-2013 10:29:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.395	4.397	-0.002	98	277473	40.0	
* 2 Naphthalene-d8	136	5.435	5.431	0.004	100	1106328	40.0	
* 3 Acenaphthene-d10	164	6.910	6.911	-0.001	91	636785	40.0	
* 4 Phenanthrene-d10	188	8.173	8.175	-0.002	96	1073047	40.0	
* 5 Chrysene-d12	240	11.910	11.911	-0.001	81	1093782	40.0	
* 6 Perylene-d12	264	15.999	15.995	0.004	98	994254	40.0	
39 Benzaldehyde	106	4.060	4.064	-0.004	91	450085	52.6	

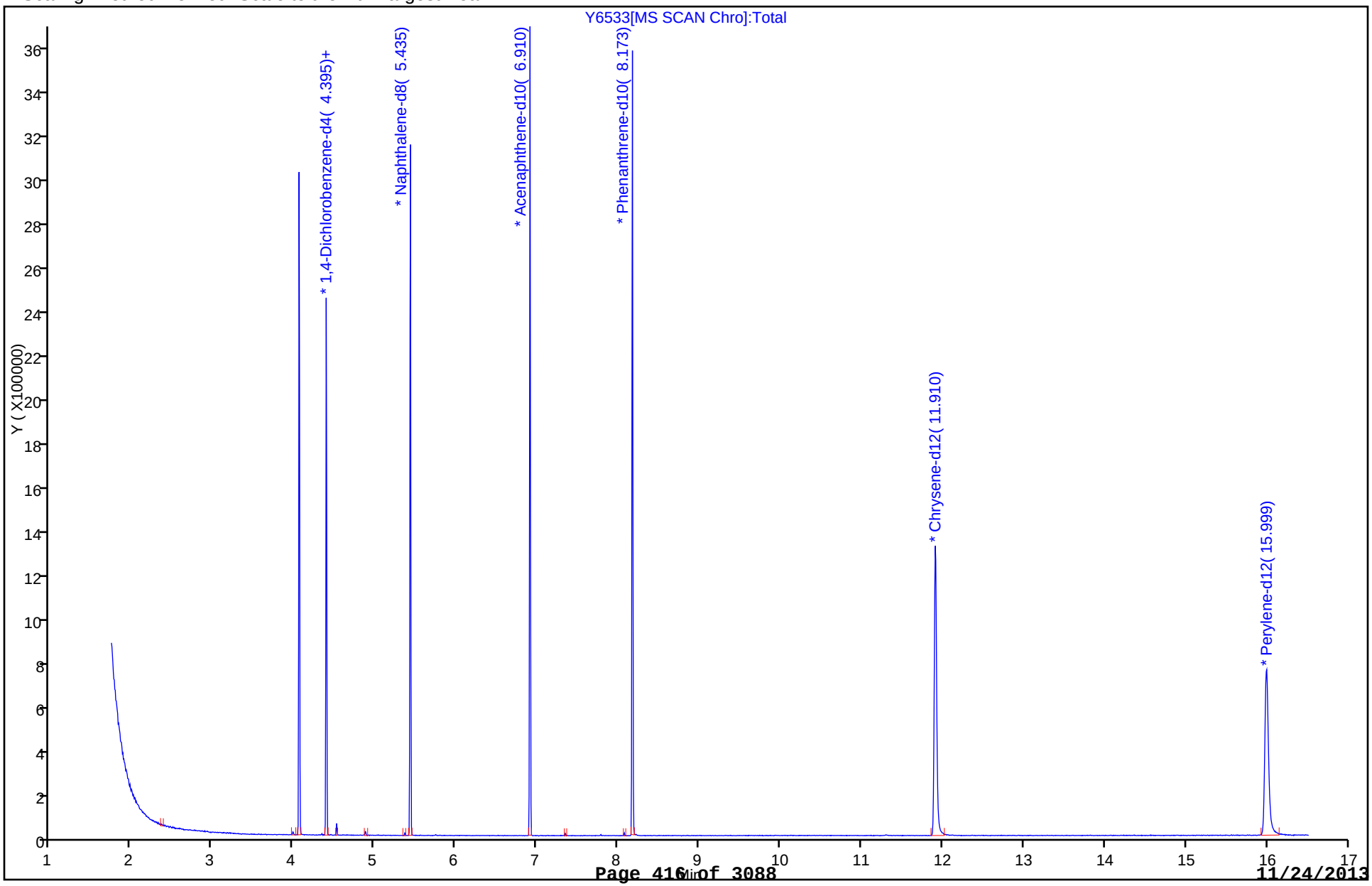
Report Date: 19-Sep-2013 14:12:56 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6533.D

Injection Date:	18-Sep-2013 19:41:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	14
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6534.D		
Lims ID:	IC BZHD020	Client ID:	
Inject. Date:	18-Sep-2013 20:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC BZHD020		
Misc. Info.:			
Operator:	hoffmanm	Instrument ID:	SMS_Y
Injection Vol:	0.5 ul	ALS Bottle#:	15
Lims Batch ID:	192224	Lims Sample ID:	15
Sublist:	chrom-SMSY_8270C*sub1		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m		
Method Label:	8270C / 625		
Last Update:	19-Sep-2013 14:13:13	Calib Date:	19-Sep-2013 00:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kellisonm		Date:	19-Sep-2013 10:30:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.395	4.397	-0.002	97	285348	40.0	
* 2 Naphthalene-d8	136	5.435	5.431	0.004	100	1112719	40.0	
* 3 Acenaphthene-d10	164	6.910	6.911	-0.001	91	647321	40.0	
* 4 Phenanthrene-d10	188	8.173	8.175	-0.002	97	1093392	40.0	
* 5 Chrysene-d12	240	11.910	11.911	-0.001	85	1105973	40.0	
* 6 Perylene-d12	264	15.999	15.995	0.004	98	1005780	40.0	
39 Benzaldehyde	106	4.060	4.064	-0.004	92	181566	20.6	

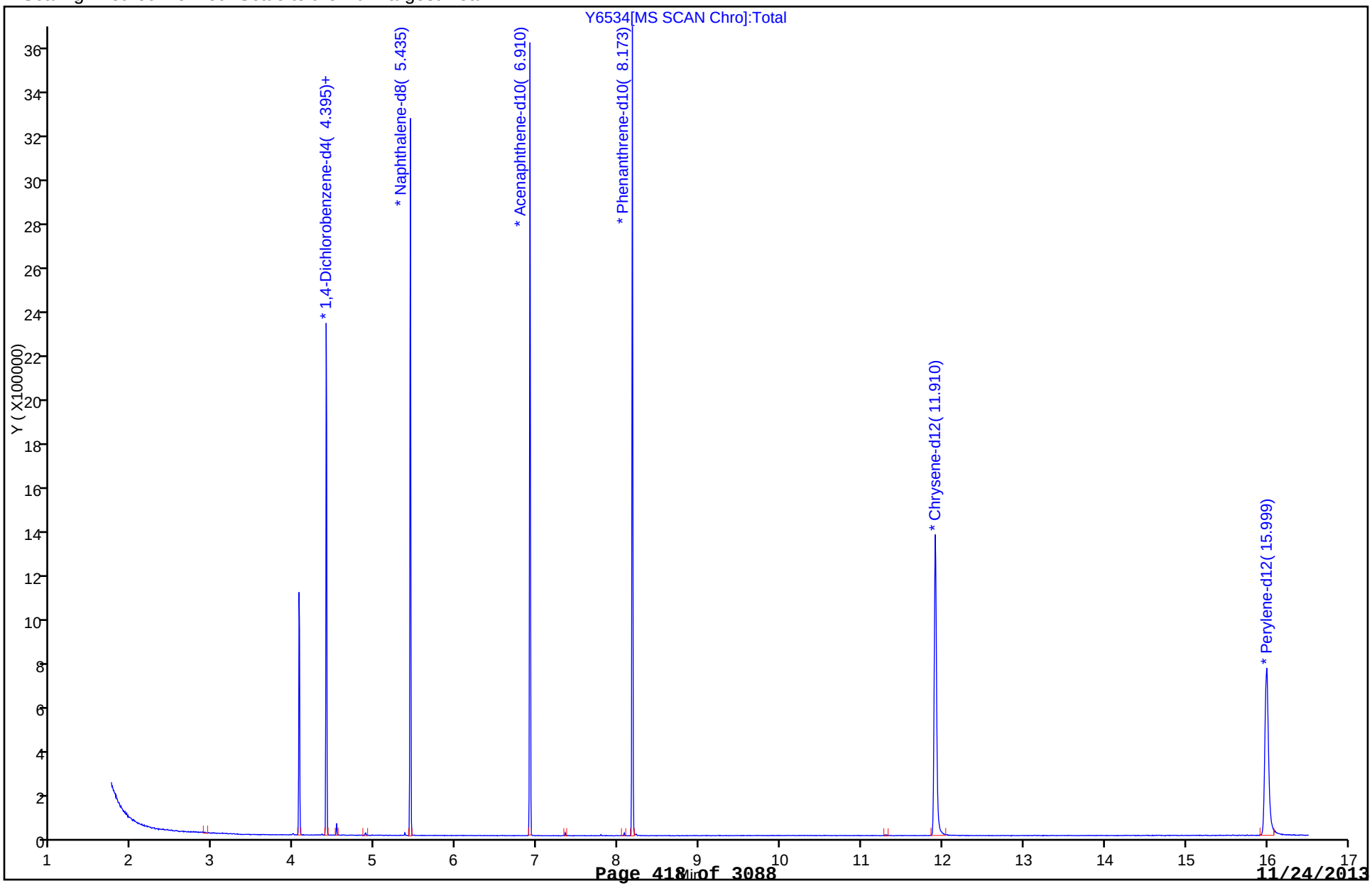
Report Date: 19-Sep-2013 14:13:14 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6534.D

Injection Date:	18-Sep-2013 20:04:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	15
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6535.D		
Lims ID:	IC BZHD010	Client ID:	
Inject. Date:	18-Sep-2013 20:27:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC BZHD010		
Misc. Info.:			
Operator:	hoffmanm	Instrument ID:	SMS_Y
Injection Vol:	0.5 ul	ALS Bottle#:	16
Lims Batch ID:	192224	Lims Sample ID:	16
Sublist:	chrom-SMSY_8270C*sub1		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m		
Method Label:	8270C / 625		
Last Update:	19-Sep-2013 12:00:13	Calib Date:	19-Sep-2013 00:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kellisonm		Date:	19-Sep-2013 10:30:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.398	4.397	0.001	97	278819	40.0	
* 2 Naphthalene-d8	136	5.432	5.431	0.001	100	1092744	40.0	
* 3 Acenaphthene-d10	164	6.907	6.911	-0.004	89	620615	40.0	
* 4 Phenanthrene-d10	188	8.170	8.175	-0.005	97	1071501	40.0	
* 5 Chrysene-d12	240	11.913	11.911	0.002	81	1074369	40.0	
* 6 Perylene-d12	264	15.996	15.995	0.001	98	948872	40.0	
39 Benzaldehyde	106	4.063	4.064	-0.001	91	89191	10.4	

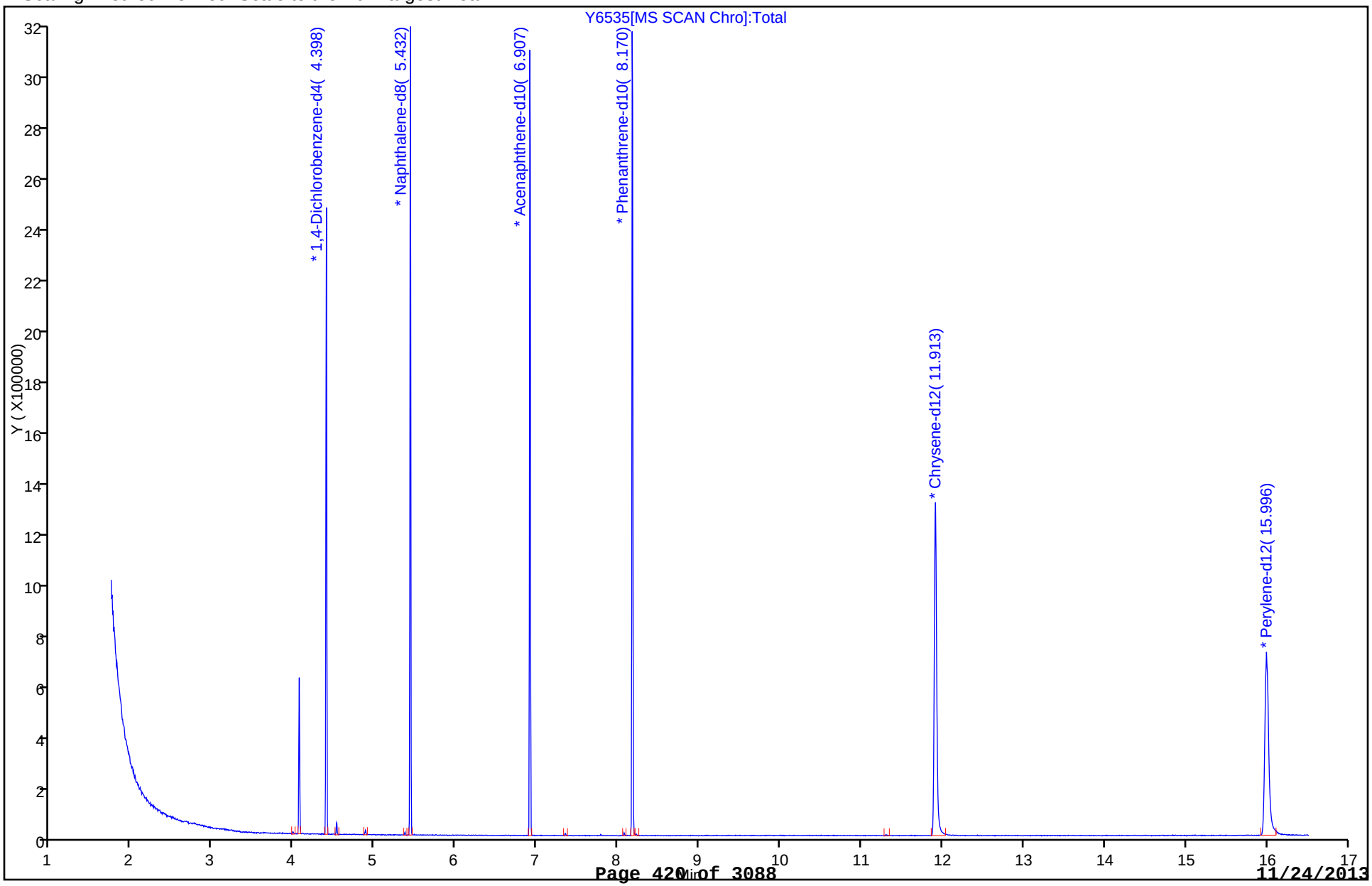
Report Date: 19-Sep-2013 12:00:13 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6535.D

Injection Date:	18-Sep-2013 20:27:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	16
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192194

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 09:25 Calibration End Date: 09/19/2013 12:03 Calibration ID: 15561

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-192194/8	Y6554.D
Level 2	IC 280-192194/7	Y6553.D
Level 3	IC 280-192194/6	Y6552.D
Level 4	IC 280-192194/5	Y6551.D
Level 5	IC 280-192194/4	Y6550.D
Level 6	IC 280-192194/3	Y6549.D
Level 7	IC 280-192194/2	Y6548.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Picoline	1.7628 1.5985	1.7328 1.5785	1.7008	1.6484	1.6087	Ave		1.6615				4.3		15.0			
N-Nitrosomethylethylamine	0.7888 0.7488	0.7806 0.7428	0.7688	0.7532	0.7524	Ave		0.7622				2.3		15.0			
Methyl methanesulfonate	1.0111 0.9406	1.0338 0.9126	1.0111	0.9806	0.9545	Ave		0.9777				4.5		15.0			
N-Nitrosodiethylamine	0.7539 0.7038	0.7565 0.6870	0.7497	0.7142	0.7096	Ave		0.7249				3.9		15.0			
Ethyl methanesulfonate	1.1999 1.0955	1.1919 1.0702	1.1895	1.1317	1.1218	Ave		1.1429				4.5		15.0			
Pentachloroethane	0.5206 0.4918	0.5282 0.4767	0.5313	0.5134	0.5012	Ave		0.5090				3.9		15.0			
N-Nitrosopyrrolidine	0.7844 0.7636	0.7605 0.7360	0.8099	0.7788	0.7725	Ave		0.7722				3.0		15.0			
N-Nitrosomorpholine	0.3197 0.2998	0.3199 0.2836	0.3149	0.3081	0.3056	Ave		0.3074				4.2		15.0			
2-Toluidine	2.3371 2.0662	2.3519 1.9527	2.3175	2.2225	2.1549	Ave		2.2004				6.9		15.0			
N-Nitrosopiperidine	0.1875 0.1786	0.1926 0.1709	0.1884	0.1851	0.1772	Ave		0.1829				4.2		15.0			
o,o',o''-Triethylphosphorothioate	0.1723 0.1692	0.1777 0.1604	0.1747	0.1722	0.1678	Ave		0.1706				3.3		15.0			
alpha,alpha-Dimethyl phenethylamine	0.8182 0.8340	0.8246 0.8159	0.8069	0.8007	0.8098	Ave		0.8157				1.4		15.0			
2,6-Dichlorophenol	0.2788 0.2728	0.2783 0.2648	0.2806	0.2725	0.2613	Ave		0.2727				2.7		15.0			
Hexachloropropene	0.2000 0.2153	0.2061 0.2023	0.2218	0.2199	0.2134	Ave		0.2113				4.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192194

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 09:25 Calibration End Date: 09/19/2013 12:03 Calibration ID: 15561

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodi-n-butylamine	0.2539 0.2158	0.2605 0.1994	0.2511	0.2417	0.2193	Ave		0.2345				9.8		15.0			
p-Phenylene diamine	0.4910 0.4658	0.4709 0.4323	0.4678	0.5039	0.4664	Ave		0.4712				4.8		15.0			
Safrole, Total	0.2845 0.2668	0.2844 0.2497	0.2833	0.2766	0.2618	Ave		0.2724				4.9		15.0			
1-Chloronaphthalene	1.1107 0.9552	1.0923 0.9033	1.0562	1.0337	0.9745	Ave		1.0180				7.5		15.0			
1,4-Naphthoquinone	0.2792 0.3250	0.3144 0.3023	0.3450	0.3452	0.3327	Ave		0.3205				7.5		15.0			
1,4-Dinitrobenzene	0.1222 0.1777	0.1468 0.1694	0.1669	0.1761	0.1746	Lin2	-0.573	0.1785							0.9990		0.9900
Pentachlorobenzene	0.5297 0.4860	0.5097 0.4660	0.5125	0.5034	0.4920	Ave		0.4999				4.1		15.0			
1-Naphthylamine	1.2764 1.0746	1.2970 1.0036	1.2533	1.2040	1.1096	Ave		1.1741				9.6		15.0			
2-Naphthylamine	1.2959 1.1543	1.3474 1.0764	1.3035	1.2606	1.1800	Lin2	1.6888	1.1824							0.9940		0.9900
Thionazin	0.2995 0.2882	0.3117 0.2734	0.3101	0.3076	0.2937	Ave		0.2977				4.6		15.0			
N-Nitro-o-toluidine	0.3224 0.3714	0.3667 0.3525	0.3826	0.3743	0.3621	Ave		0.3617				5.5		15.0			
Diphenylamine	1.0889 0.9773	1.1275 0.9103	1.0923	1.0423	0.9967	Ave		1.0336				7.4		15.0			
Sulfotepp	0.1375 0.1232	0.1398 0.1146	0.1406	0.1310	0.1278	Ave		0.1306				7.3		15.0			
Diallate Peak 1	0.3630 0.3120	0.3753 0.2945	0.3676	0.3356	0.3212	Ave		0.3384				9.1		15.0			
1,3,5-Trinitrobenzene	0.0348 0.0735	0.0472 0.0691	0.0644	0.0686	0.0720	Lin2	-0.409	0.0732							0.9970		0.9900
Phorate	0.1488 0.1398	0.1575 0.1320	0.1555	0.1481	0.1429	Ave		0.1464				6.1		15.0			
Phenacetin	0.3754 0.3712	0.4027 0.3727	0.4178	0.3903	0.3951	Ave		0.3893				4.5		15.0			
Diallate Peak 2	0.3830 0.4111	0.3922 0.3950	0.3911	0.4002	0.3956	Ave		0.3954				2.2		15.0			
Dimethoate	0.3210 0.2810	0.3346 0.2533	0.3328	0.3055	0.2903	Ave		0.3026				9.9		15.0			
4-Aminobiphenyl	0.8244 0.6835	0.8580 0.6457	0.8389	0.7736	0.7188	Ave		0.7633				11.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192194

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 09:25 Calibration End Date: 09/19/2013 12:03 Calibration ID: 15561

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pronamide	0.2962 0.2617	0.3198 0.2430	0.3134	0.2956	0.2734	Ave		0.2862				9.8		15.0			
Pentachloronitrobenzene	0.0900 0.0869	0.0943 0.0820	0.0952	0.0917	0.0865	Ave		0.0895				5.3		15.0			
Disulfoton	0.4193 0.3677	0.4366 0.3457	0.4227	0.3983	0.3776	Ave		0.3954				8.4		15.0			
Methyl parathion	0.2382 0.2310	0.2667 0.2137	0.2729	0.2529	0.2409	Ave		0.2452				8.4		15.0			
Ethyl Parathion	0.1283 0.1608	0.1512 0.1530	0.1673	0.1641	0.1607	Ave		0.1551				8.4		15.0			
4-Nitroquinoline-1-oxide	0.0668 0.1317	0.0868 0.1229	0.1195	0.1257	0.1292	Lin2	-0.693	0.1318							0.9970		0.9900
Methapyrilene	0.3924 0.3155	0.4099 0.2811	0.3908	0.3619	0.3402	Ave		0.3560				13.0		15.0			
Isodrin	0.1222 0.1235	0.1237 0.1165	0.1303	0.1241	0.1209	Ave		0.1231				3.3		15.0			
Aramite Peak 1	0.0486 0.0860	0.0628 0.0839	0.0768	0.0831	0.0839	Lin2	-0.183	0.0865							0.9990		0.9900
Aramite Peak 2	0.0553 0.0858	0.0682 0.0839	0.0777	0.0821	0.0839	Ave		0.0767				15.0		15.0			
p-Dimethylamino azobenzene	0.2814 0.3367	0.3236 0.3278	0.3478	0.3441	0.3364	Ave		0.3282				6.8		15.0			
Ethyl 4,4'-Dichlorobenzilate	0.2772 0.3219	0.2992 0.3171	0.3223	0.3207	0.3174	Ave		0.3108				5.4		15.0			
3,3'-Dimethylbenzidine	0.5332 0.6317	0.5974 0.5987	0.6392	0.6333	0.6252	Ave		0.6084				6.1		15.0			
2-Acetylaminofluorene	0.2587 0.4592	0.3399 0.4392	0.4127	0.4354	0.4486	Lin2	-2.078	0.4591							0.9990		0.9900
4,4'-Methylene bis(2-chloroaniline)	0.1388 0.1950	0.1584 0.1897	0.1864	0.1872	0.1889	Ave		0.1778				12.0		15.0			
7,12-Dimethylbenz(a)anthracene	0.4175 0.5868	0.4987 0.5720	0.5478	0.5550	0.5622	Ave		0.5343				11.0		15.0			
3-Methylcholanthrene	0.3579 0.6174	0.4535 0.6074	0.5420	0.5675	0.5886	Lin2	-2.666	0.6104							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192194

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 09:25 Calibration End Date: 09/19/2013 12:03 Calibration ID: 15561

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-192194/8	Y6554.D
Level 2	IC 280-192194/7	Y6553.D
Level 3	IC 280-192194/6	Y6552.D
Level 4	IC 280-192194/5	Y6551.D
Level 5	IC 280-192194/4	Y6550.D
Level 6	IC 280-192194/3	Y6549.D
Level 7	IC 280-192194/2	Y6548.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Picoline	DCB	Ave	123395 1934495	251177 2484483	634465	983192	1461272	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomethylethylamine	DCB	Ave	55213 906242	113158 1169168	286785	449253	683447	10.0 160	20.0 200	50.0	80.0	120
Methyl methanesulfonate	DCB	Ave	70775 1138280	149855 1436362	377176	584852	867030	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodiethylamine	DCB	Ave	52770 851778	109656 1081337	279664	425960	644536	10.0 160	20.0 200	50.0	80.0	120
Ethyl methanesulfonate	DCB	Ave	83996 1325818	172782 1684393	443700	674976	1018970	10.0 160	20.0 200	50.0	80.0	120
Pentachloroethane	DCB	Ave	36439 595236	76563 750344	198194	306206	455239	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopyrrolidine	DCB	Ave	54910 924070	110244 1158338	302124	464497	701704	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomorpholine	DCB	Ave	22378 362815	46379 446442	117472	183785	277583	10.0 160	20.0 200	50.0	80.0	120
2-Toluidine	DCB	Ave	163598 2500559	340924 3073399	864498	1325598	1957357	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopiperidine	NPT	Ave	52215 847292	110064 1069981	278481	432699	647165	10.0 160	20.0 200	50.0	80.0	120
o,o',o''-Triethylphosphorothioate	NPT	Ave	47977 802442	101525 1004212	258261	402564	613010	10.0 160	20.0 200	50.0	80.0	120
alpha,alpha-Dimethyl phenethylamine	NPT	Ave	227845 3955463	471215 5109400	1192604	1871794	2958206	10.0 160	20.0 200	50.0	80.0	120
2,6-Dichlorophenol	NPT	Ave	77645 1293695	159043 1658354	414666	636879	954726	10.0 160	20.0 200	50.0	80.0	120
Hexachloropropene	NPT	Ave	55707 1021139	117782 1267017	327814	514096	779736	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodi-n-butylamine	NPT	Ave	70716 1023564	148876 1249028	371117	564893	801106	10.0 160	20.0 200	50.0	80.0	120

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192194

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 09:25 Calibration End Date: 09/19/2013 12:03 Calibration ID: 15561

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Phenylene diamine	NPT	Ave	136739 2209103	269120 2707470	691380	1177951	1703823	10.0 160	20.0 200	50.0	80.0	120
Safrole, Total	NPT	Ave	79211 1265393	162506 1563697	418669	646638	956395	10.0 160	20.0 200	50.0	80.0	120
1-Chloronaphthalene	ANT	Ave	179911 2667128	360213 3296895	914016	1419802	2090028	10.0 160	20.0 200	50.0	80.0	120
1,4-Naphthoquinone	ANT	Ave	45232 907390	103685 1103449	298504	474179	713491	10.0 160	20.0 200	50.0	80.0	120
1,4-Dinitrobenzene	ANT	Lin2	19793 496299	48420 618107	144414	241898	374387	10.0 160	20.0 200	50.0	80.0	120
Pentachlorobenzene	ANT	Ave	85804 1357016	168095 1700787	443527	691489	1055198	10.0 160	20.0 200	50.0	80.0	120
1-Naphthylamine	ANT	Ave	206758 3000614	427729 3662976	1084560	1653718	2379853	10.0 160	20.0 200	50.0	80.0	120
2-Naphthylamine	ANT	Lin2	209910 3222908	444352 3928471	1128024	1731506	2530804	10.0 160	20.0 200	50.0	80.0	120
Thionazin	ANT	Ave	48509 804648	102784 998007	268340	422534	629950	10.0 160	20.0 200	50.0	80.0	120
N-Nitro-o-toluidine	ANT	Ave	52220 1037007	120920 1286667	331070	514113	776575	10.0 160	20.0 200	50.0	80.0	120
Diphenylamine	ANT	Ave	176378 2728679	371838 3322200	945196	1431588	2137714	10.0 160	20.0 200	50.0	80.0	120
Sulfotepp	PHN	Ave	37584 578232	79009 697310	203378	308973	460769	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 1	PHN	Ave	87534 1291200	187074 1581218	468971	697824	1021815	8.82 141	17.6 176	44.1	70.6	106
1,3,5-Trinitrobenzene	PHN	Lin2	9517 344658	26700 420564	93137	161674	259510	10.0 160	20.0 200	50.0	80.0	120
Phorate	PHN	Ave	40685 656171	89002 803340	224884	349296	515387	10.0 160	20.0 200	50.0	80.0	120
Phenacetin	PHN	Ave	102648 1741891	227606 2268915	604350	920207	1424904	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 2	PHN	Ave	12356 227598	26157 283704	66759	111330	168372	1.18 18.9	2.36 23.6	5.90	9.44	14.2
Dimethoate	PHN	Ave	87773 1318346	189120 1542008	481420	720394	1046851	10.0 160	20.0 200	50.0	80.0	120
4-Aminobiphenyl	PHN	Ave	225412 3207370	484890 3930640	1213387	1823988	2592336	10.0 160	20.0 200	50.0	80.0	120
Pronamide	PHN	Ave	81000 1228104	180744 1479102	453369	696984	986177	10.0 160	20.0 200	50.0	80.0	120
Pentachloronitrobenzene	PHN	Ave	24619 407622	53285 499027	137701	216154	311862	10.0 160	20.0 200	50.0	80.0	120

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 192194

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 09:25 Calibration End Date: 09/19/2013 12:03 Calibration ID: 15561

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Disulfoton	PHN	Ave	114632 1725282	246739 2104314	611482	939012	1361800	10.0 160	20.0 200	50.0	80.0	120
Methyl parathion	PHN	Ave	65130 1083965	150736 1300732	394815	596171	868965	10.0 160	20.0 200	50.0	80.0	120
Ethyl Parathion	PHN	Ave	35092 754709	85471 931534	241982	387028	579427	10.0 160	20.0 200	50.0	80.0	120
4-Nitroquinoline-1-oxide	PHN	Lin2	18267 618001	49036 748256	172881	296465	465854	10.0 160	20.0 200	50.0	80.0	120
Methapyrilene	PHN	Ave	107291 1480541	231636 1711335	565210	853268	1226928	10.0 160	20.0 200	50.0	80.0	120
Isodrin	PHN	Ave	33421 579634	69938 709274	188418	292703	436189	10.0 160	20.0 200	50.0	80.0	120
Aramite Peak 1	CRY	Lin2	6291 196169	17189 242884	53958	93918	146595	4.61 73.8	9.22 92.2	23.1	36.9	55.3
Aramite Peak 2	CRY	Ave	8357 228780	21834 284083	63843	108589	171351	5.39 86.2	10.8 108	27.0	43.1	64.7
p-Dimethylamino azobenzene	CRY	Ave	78964 1665237	192150 2059242	530343	843841	1274430	10.0 160	20.0 200	50.0	80.0	120
Ethyl 4,4'-Dichlorobenzilate	CRY	Ave	77785 1592355	177680 1992363	491434	786569	1202497	10.0 160	20.0 200	50.0	80.0	120
3,3'-Dimethylbenzidine	CRY	Ave	149597 3124193	354763 3761646	974781	1553243	2368629	10.0 160	20.0 200	50.0	80.0	120
2-Acetylaminofluorene	CRY	Lin2	72587 2271119	201862 2759568	629316	1067780	1699711	10.0 160	20.0 200	50.0	80.0	120
4,4'-Methylene bis(2-chloroaniline)	CRY	Ave	38938 964722	94074 1191741	284249	459006	715811	10.0 160	20.0 200	50.0	80.0	120
7,12-Dimethylbenz(a)anthracene	PRY	Ave	103518 2579209	264195 3178594	744004	1211184	1907488	10.0 160	20.0 200	50.0	80.0	120
3-Methylcholanthrene	PRY	Lin2	88734 2713886	240212 3375050	736106	1238420	1997168	10.0 160	20.0 200	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D
Lims ID: IC AP9200 Client ID:
Inject. Date: 19-Sep-2013 09:25:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: IC AP9A200
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 192194 Lims Sample ID: 2
Sublist: chrom-SMSY_8270C*sub15
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:51:50 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 11:41:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.396	4.396	0.0	97	314787	40.0	
* 2 Naphthalene-d8	136	5.430	5.430	0.0	100	1252502	40.0	
* 3 Acenaphthene-d10	164	6.905	6.905	0.0	91	729952	40.0	
* 4 Phenanthrene-d10	188	8.174	8.174	0.0	97	1217415	40.0	
* 5 Chrysene-d12	240	11.905	11.905	0.0	81	1256571	40.0	
* 6 Perylene-d12	264	15.982	15.982	0.0	97	1111388	40.0	
31 2-Picoline	93	2.980	2.980	0.0	95	2484483	190.0	A
32 N-Nitrosomethylethylamine	88	3.050	3.050	0.0	90	1169168	194.9	A
33 Acrylamide	71	3.244	3.244	0.0	77	1030622	200.2	A
34 Methyl methanesulfonate	80	3.274	3.274	0.0	87	1436362	186.7	A
35 N-Nitrosodiethylamine	102	3.567	3.567	0.0	92	1081337	189.5	A
37 Ethyl methanesulfonate	79	3.773	3.773	0.0	98	1684393	187.3	
46 Pentachloroethane	117	4.178	4.178	0.0	90	750344	187.3	
62 N-Nitrosopyrrolidine	100	4.701	4.701	0.0	93	1158338	190.6	
64 N-Nitrosomorpholine	116	4.725	4.725	0.0	93	446442	184.6	
65 2-Toluidine	106	4.737	4.736	0.0	86	3073399	177.5	
70 N-Nitrosopiperidine	114	4.977	4.977	0.0	84	1069981	186.8	
76 o,o',o''-Triethylphosphorothioat	198	5.142	5.142	0.0	83	1004212	188.0	
81 alpha,alpha-Dimethyl phenethylam	58	5.259	5.259	0.0	98	5109400	200.0	M
89 2,6-Dichlorophenol	162	5.489	5.489	0.0	96	1658354	194.2	
90 Hexachloropropene	213	5.512	5.512	0.0	90	1267017	191.5	
92 Quinoline	129	5.729	5.729	0.0	95	3358084	176.3	A
93 N-Nitrosodi-n-butylamine	84	5.724	5.723	0.0	90	1249028	170.1	A
95 p-Phenylene diamine	108	5.776	5.776	0.0	96	2707470	183.5	A
98 Safrole, Total	162	5.923	5.923	0.0	89	1563697	183.3	
107 Isosafrole Peak 1	162	6.170	6.170	0.0	91	288758	35.4	A
111 Isosafrole Peak 2	104	6.358	6.358	0.0	91	419588	158.5	A
115 1-Chloronaphthalene	162	6.458	6.458	0.0	96	3296895	177.5	A

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
117 1,4-Naphthoquinone	158	6.587	6.587	0.0	83	1103449	188.6	
118 1,4-Dinitrobenzene	168	6.628	6.634	0.0	90	618107	193.0	
129 Pentachlorobenzene	250	7.046	7.046	0.0	96	1700787	186.4	
133 1-Naphthylamine	143	7.151	7.157	0.0	99	3662976	171.0	
137 2-Naphthylamine	143	7.216	7.222	0.0	94	3928471	180.6	
141 Thionazin	97	7.292	7.292	0.0	81	998007	183.7	
145 N-Nitro-o-toluidine	152	7.380	7.387	0.0	94	1286667	194.9	A
149 Diphenylamine	169	7.445	7.451	0.0	90	3322200	176.1	A
154 Sulfotepp	97	7.527	7.527	0.0	93	697310	175.4	
158 Diallate Peak 1	86	7.657	7.657	0.0	92	1581218	153.5	
159 1,3,5-Trinitrobenzene	213	7.663	7.662	0.0	74	420564	194.5	
160 Phorate	121	7.674	7.674	0.0	94	803340	180.3	
161 Phenacetin	108	7.698	7.698	0.0	93	2268915	191.5	A
163 Diallate Peak 2	86	7.739	7.739	0.0	93	283704	23.6	A
166 Dimethoate	87	7.845	7.845	0.0	96	1542008	167.4	A
170 4-Aminobiphenyl	169	7.992	7.991	0.0	88	3930640	169.2	A
172 Pronamide	173	7.997	7.997	0.0	86	1479102	169.8	
173 Pentachloronitrobenzene	237	8.009	8.009	0.0	90	499027	183.2	
174 Disulfoton	88	8.115	8.115	0.0	96	2104314	174.9	A
175 Dinoseb	211	8.121	8.121	0.0	93	1055690	195.4	
180 Methyl parathion	109	8.450	8.450	0.0	93	1300732	174.3	A
183 Ethyl Parathion	109	8.802	8.802	0.0	86	931534	197.4	A
184 4-Nitroquinoline-1-oxide	190	8.926	8.926	0.0	63	748256	191.8	A
185 Methapyrilene	97	8.926	8.926	0.0	91	1711335	158.0	A
187 Isodrin	193	9.208	9.208	0.0	93	709274	189.4	A
192 Aramite Peak 1	185	9.766	9.766	0.0	94	242884	91.5	A
193 Aramite Peak 2	185	9.878	9.878	0.0	95	284083	117.9	A
194 p-Dimethylamino azobenzene	120	10.083	10.083	0.0	94	2059242	199.7	A
195 Chlorobenzilate	251	10.118	10.118	0.0	91	1992363	204.0	A
199 3,3'-Dimethylbenzidine	212	10.682	10.682	0.0	96	3761646	196.8	A
202 2-Acetylaminofluorene	181	11.194	11.194	0.0	93	2759568	195.9	A
204 4,4'-Methylene bis(2-chloroanili	231	11.834	11.834	0.0	93	1191741	213.4	A
208 6-Methylchrysene	242	13.115	13.115	0.0	97	4489550	204.8	A
210 7,12-Dimethylbenz(a)anthracene	256	14.789	14.789	0.0	86	3178594	214.1	A
217 3-Methylcholanthrene	268	16.946	16.946	0.0	69	3375050	203.4	A
219 Dibenz[a,h]acridine	279	18.738	18.738	0.0	65	4936437	203.5	A
220 Dibenz[a,j]acridine	279	18.914	18.914	0.0	100	5267061	216.7	A
S 227 Aramite, Total	185				0		209.4	
S 228 Diallate	86				0		177.1	
S 229 Isosafrole	162				0		194.0	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

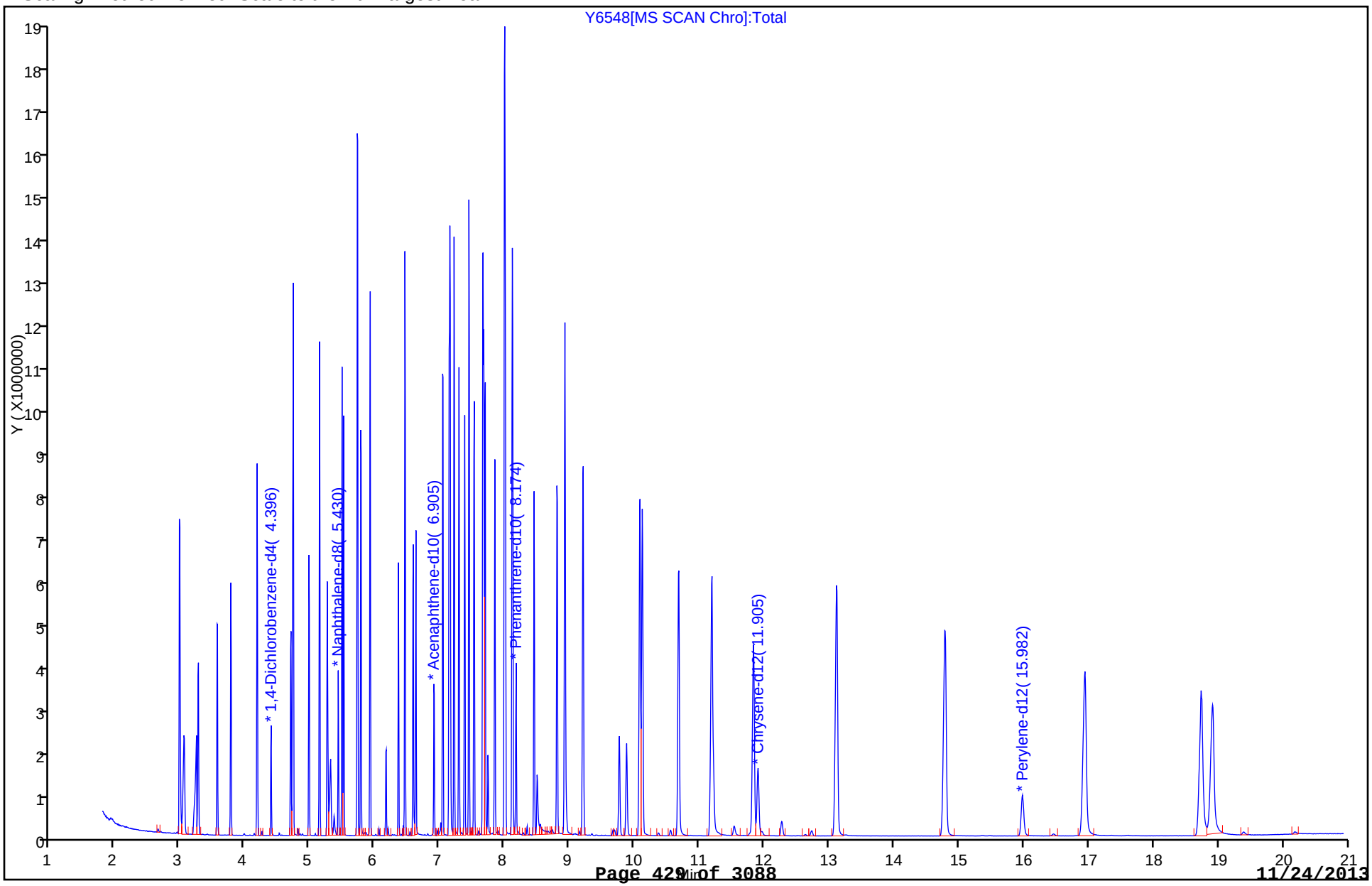
Report Date: 20-Sep-2013 13:51:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D

Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

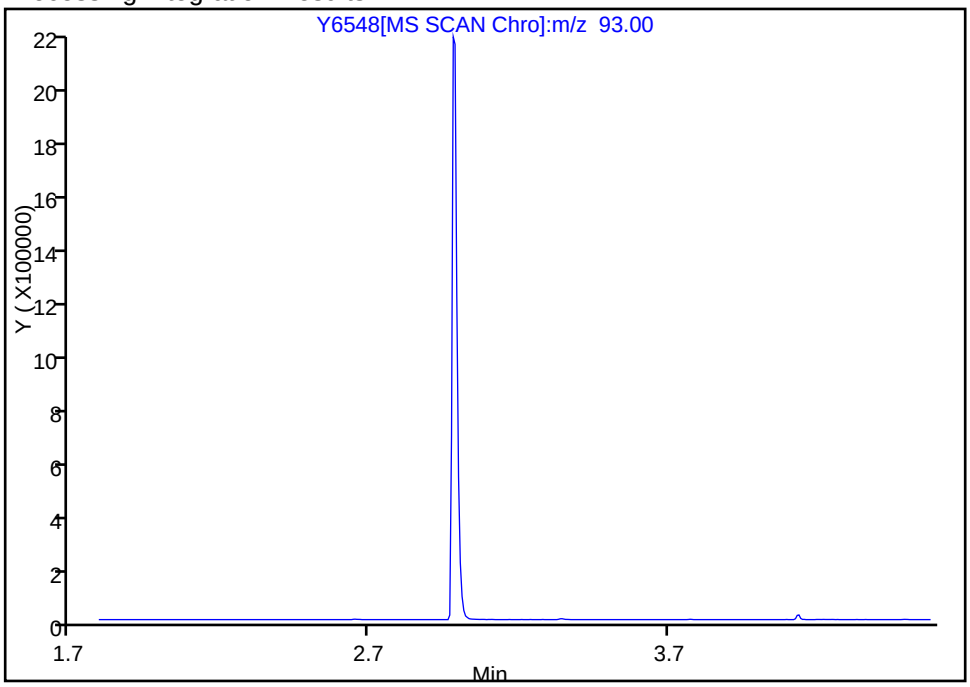
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
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Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

31 2-Picoline, Signal: 1, m/z: 93.0 Type: quant, RT: 2.98

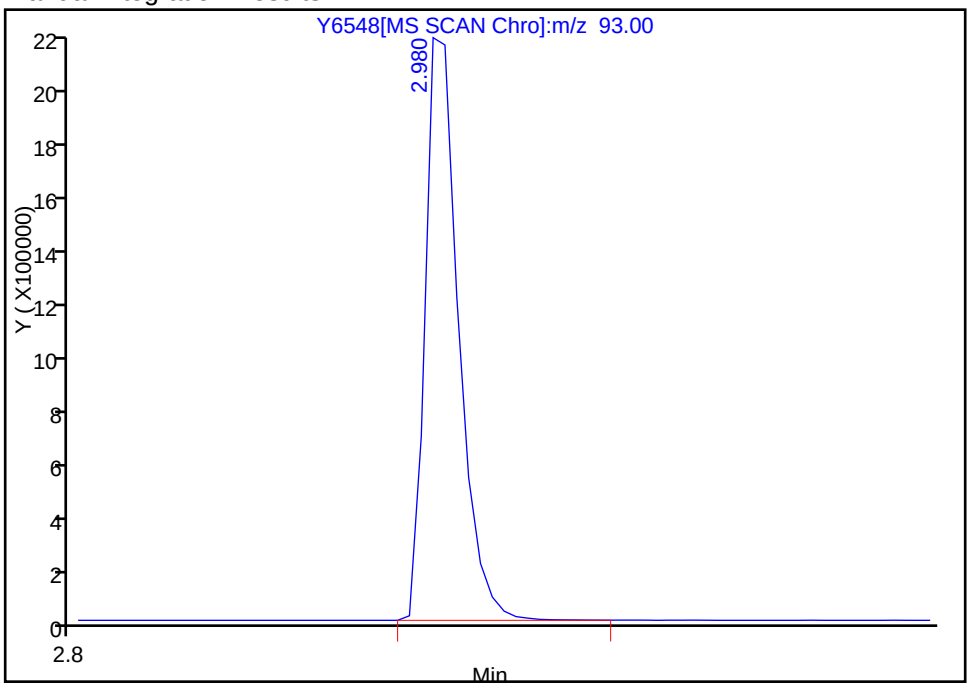
Processing Integration Results

Not Detected
Expected RT: 2.98



Manual Integration Results

RT: 2.98
Response: 2484483
Amount: 190.0101



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

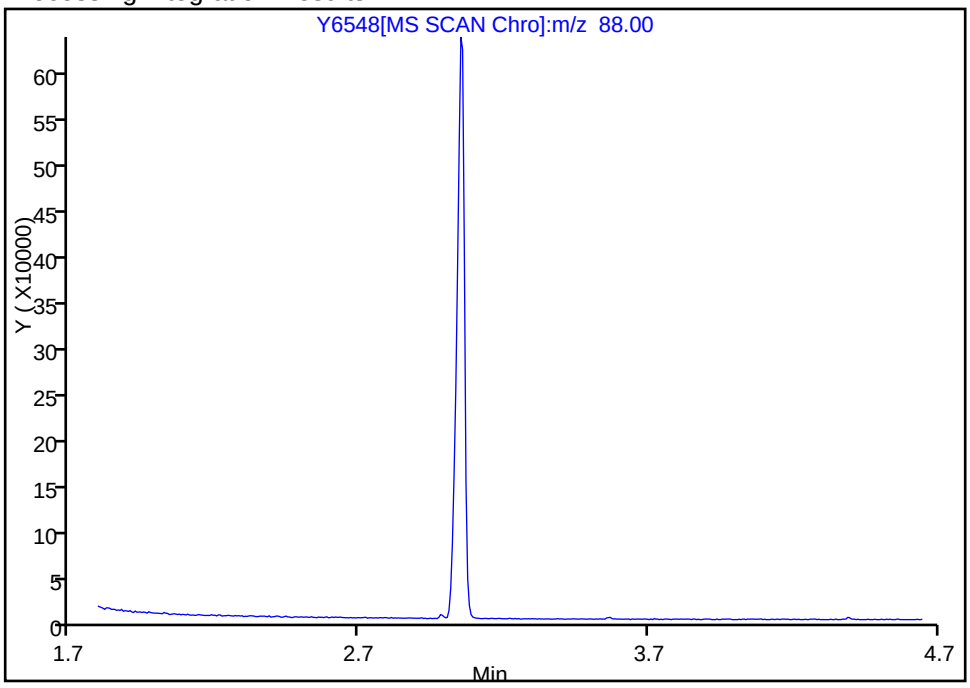
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

32 N-Nitrosomethylethylamine, Signal: 1, m/z: 88.0 Type: quant, RT: 3.05

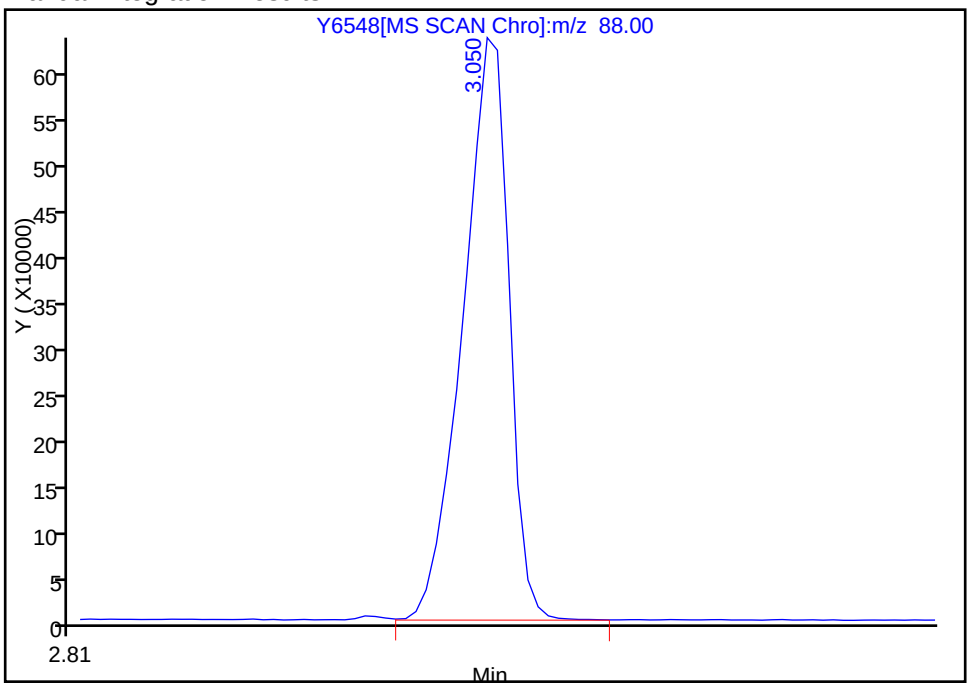
Processing Integration Results

Not Detected
Expected RT: 3.05



Manual Integration Results

RT: 3.05
Response: 1169168
Amount: 194.9145



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

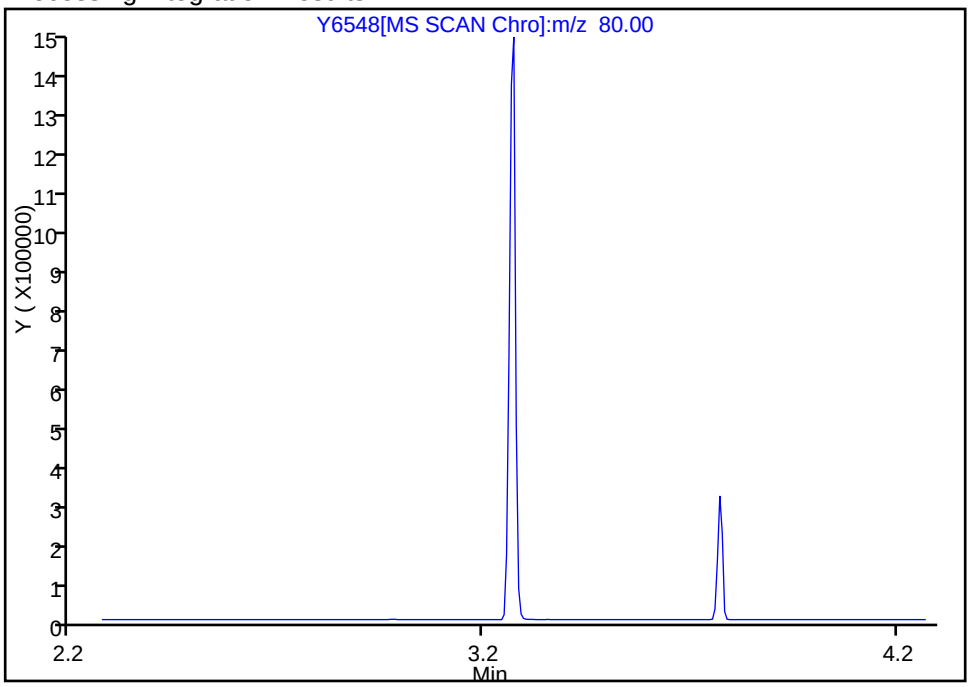
TestAmerica Denver

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Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

34 Methyl methanesulfonate, Signal: 1, m/z: 80.0 Type: quant, RT: 3.27

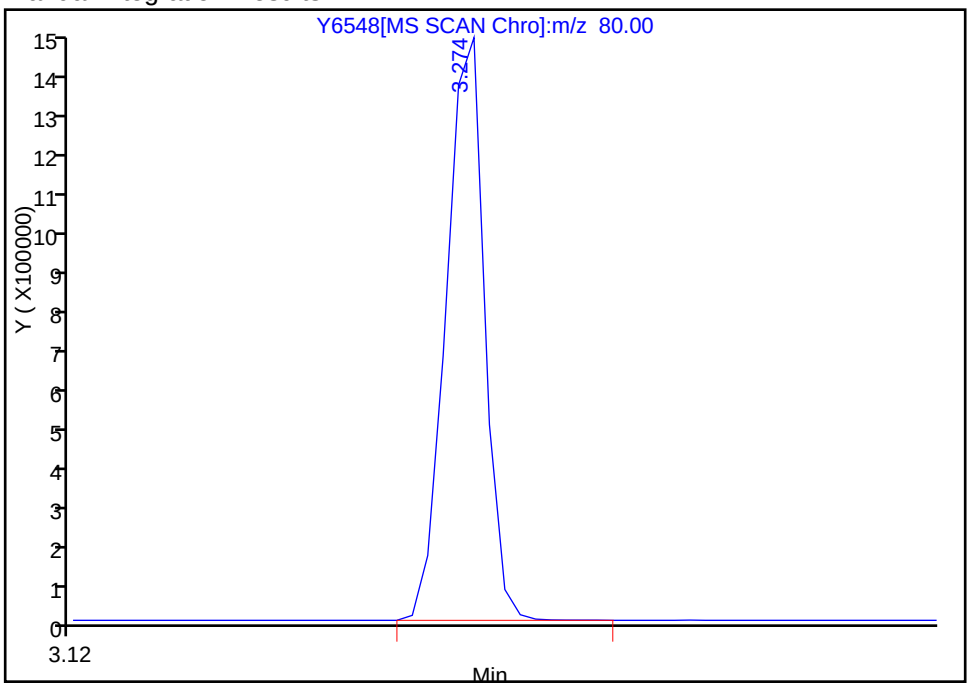
Processing Integration Results

Not Detected
Expected RT: 3.27



Manual Integration Results

RT: 3.27
Response: 1436362
Amount: 186.6727



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

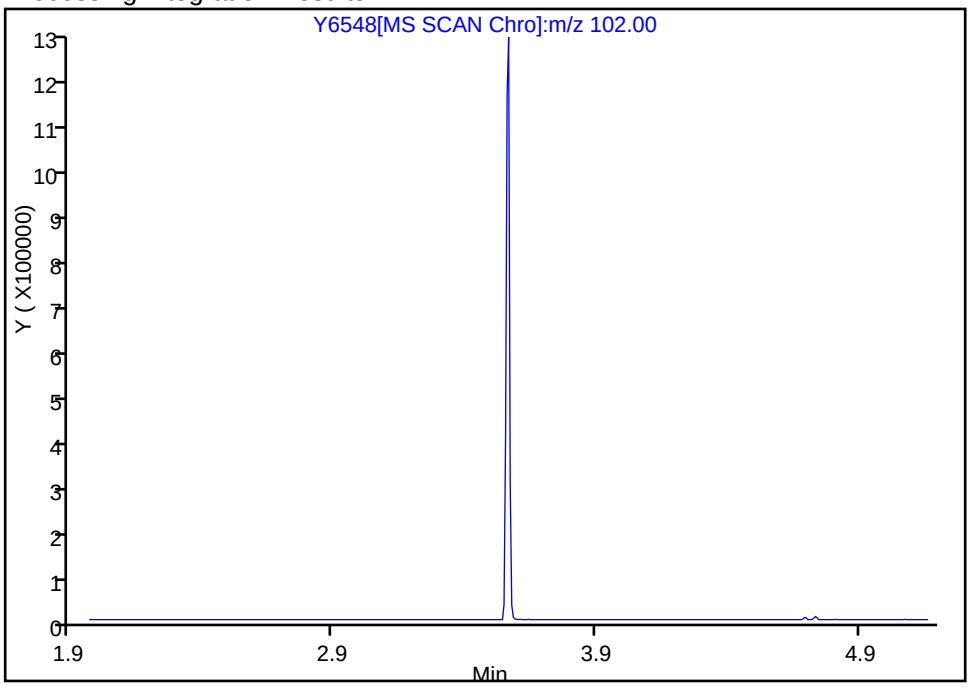
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
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Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

35 N-Nitrosodiethylamine, Signal: 1, m/z: 102.0 Type: quant, RT: 3.57

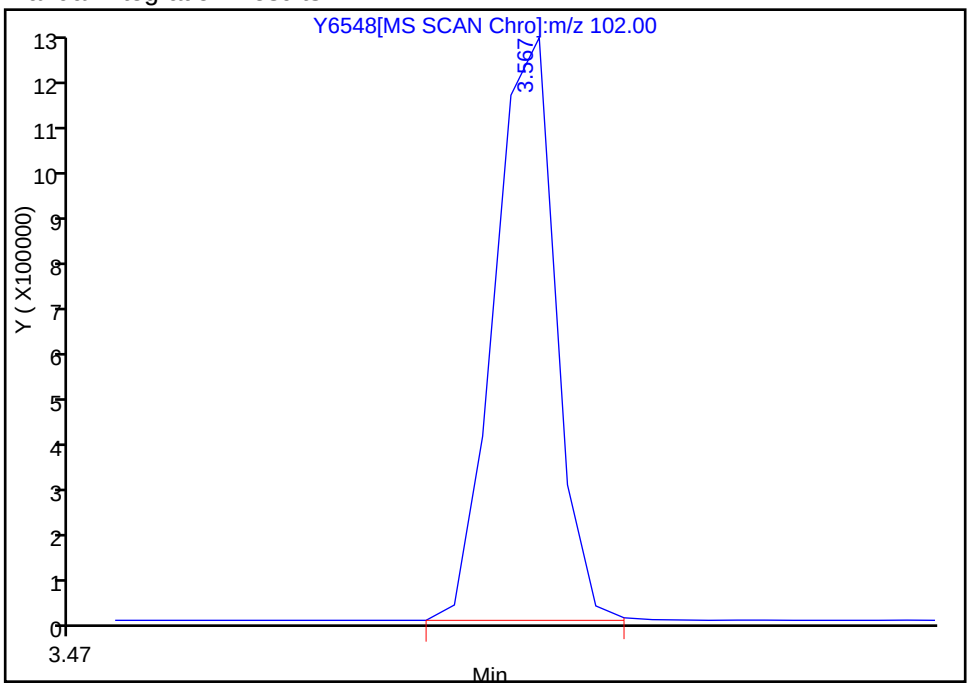
Processing Integration Results

Not Detected
Expected RT: 3.57



Manual Integration Results

RT: 3.57
Response: 1081337
Amount: 189.5383



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

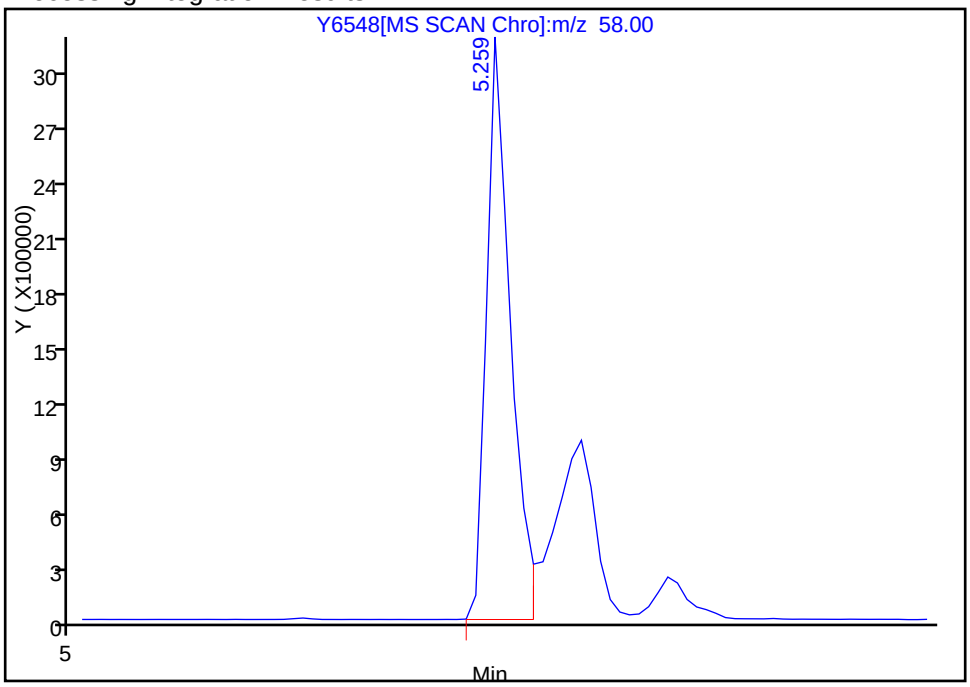
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

81 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.26

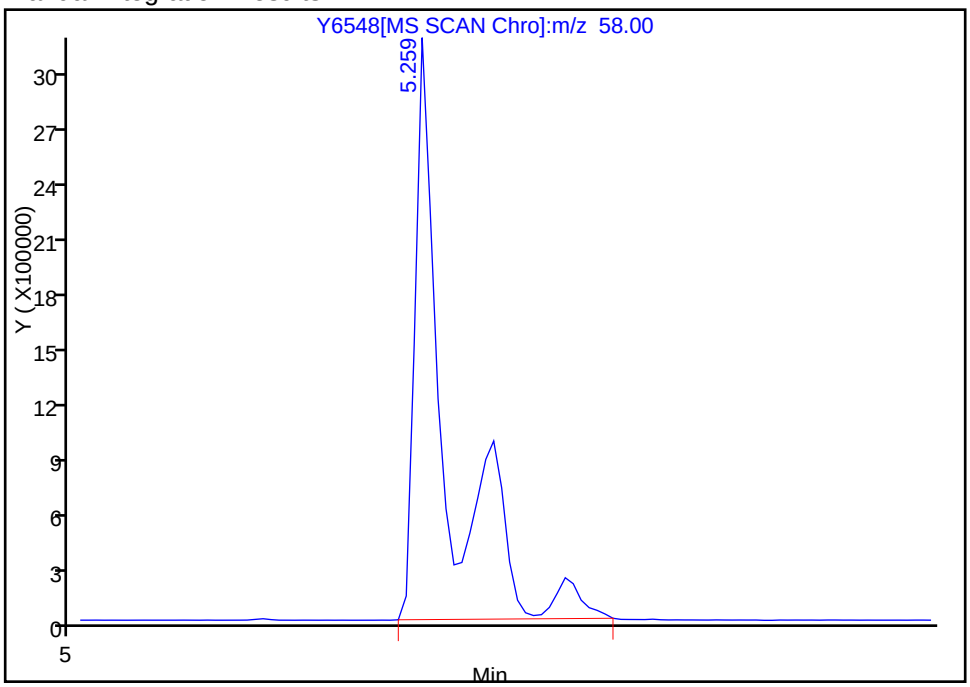
Processing Integration Results

RT: 5.26
Response: 3240067
Amount: 160.5013



Manual Integration Results

RT: 5.26
Response: 5109400
Amount: 200.0365



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

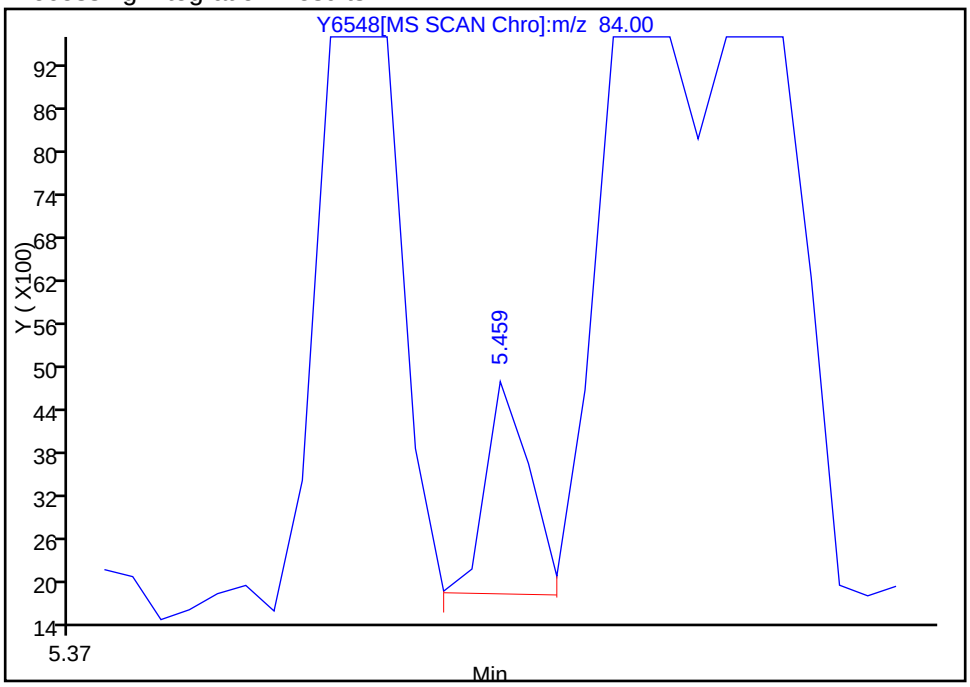
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

93 N-Nitrosodi-n-butylamine, Signal: 1, m/z: 84.0 Type: quant, RT: 5.72

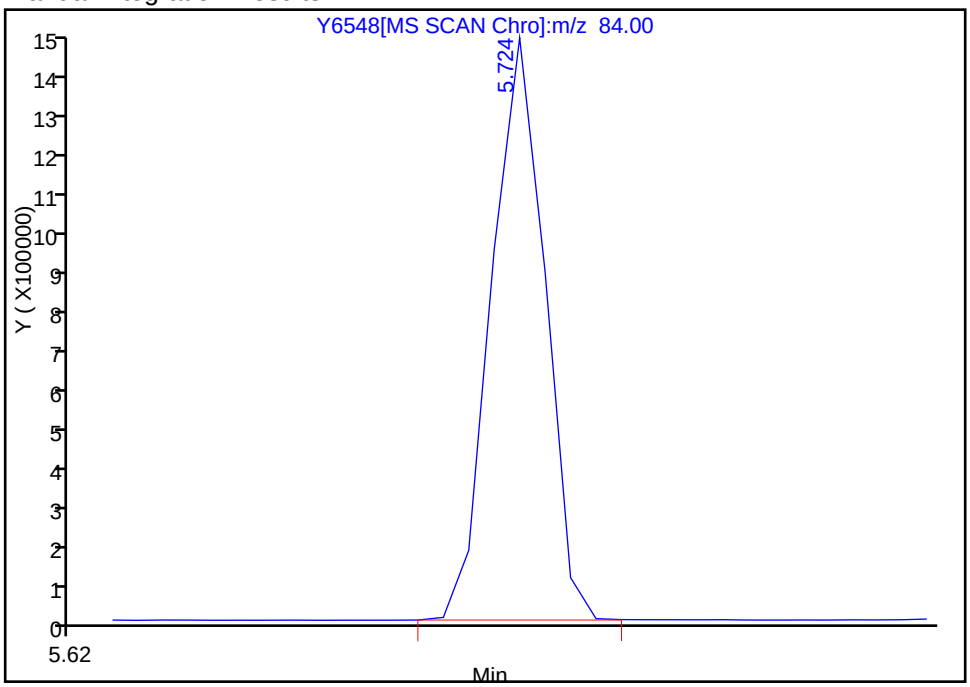
Processing Integration Results

RT: 5.46
Response: 1903
Amount: 0.359044



Manual Integration Results

RT: 5.72
Response: 1249028
Amount: 170.0750



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

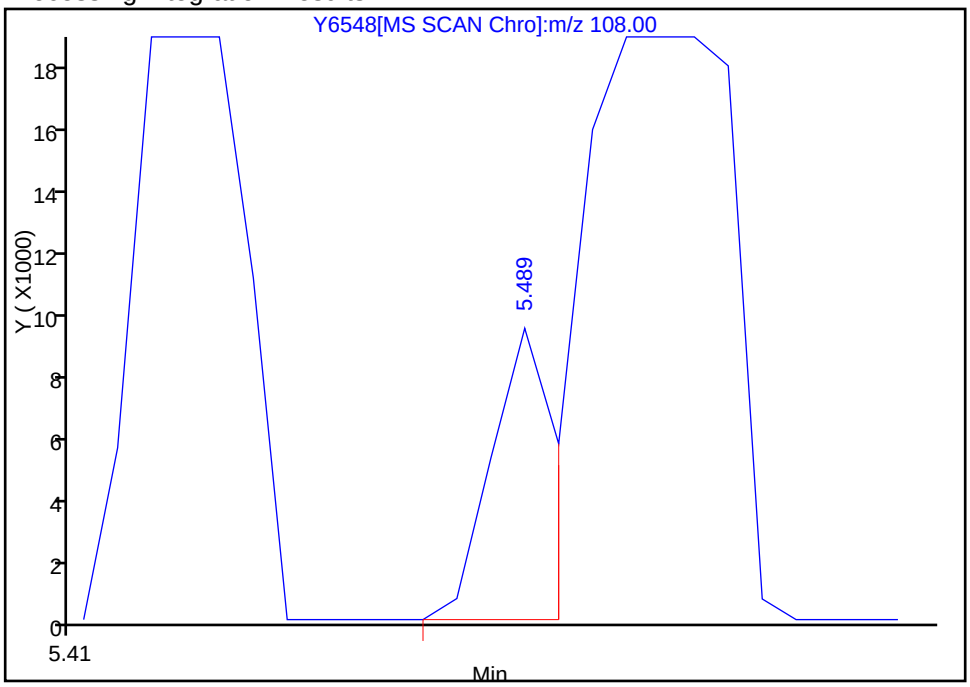
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
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Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

95 p-Phenylene diamine, Signal: 1, m/z: 108.0 Type: quant, RT: 5.78

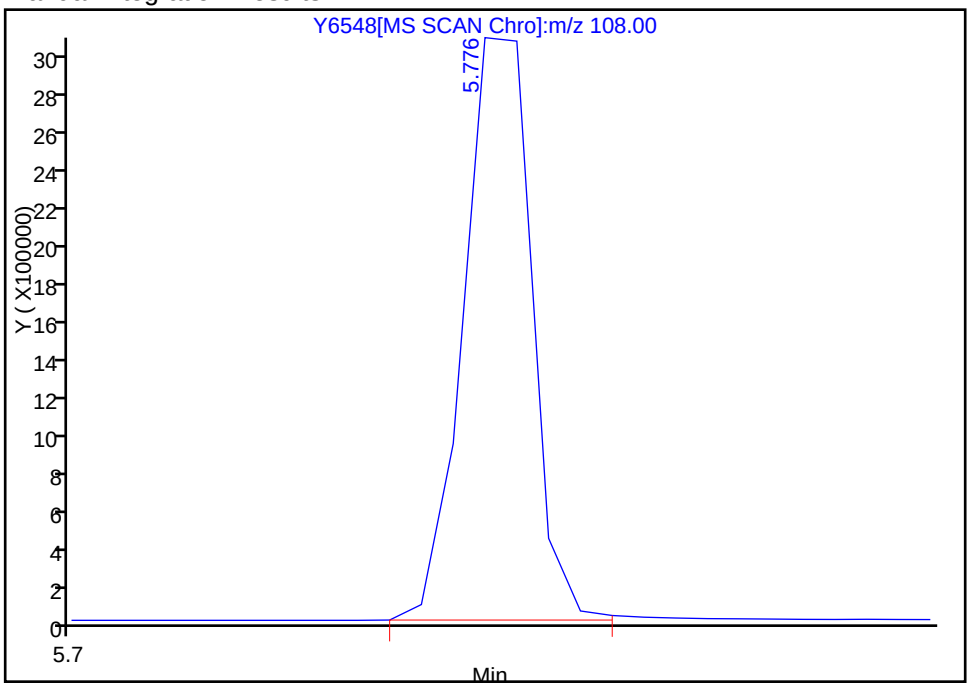
Processing Integration Results

RT: 5.49
Response: 7140
Amount: 0.634626



Manual Integration Results

RT: 5.78
Response: 2707470
Amount: 183.5141



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

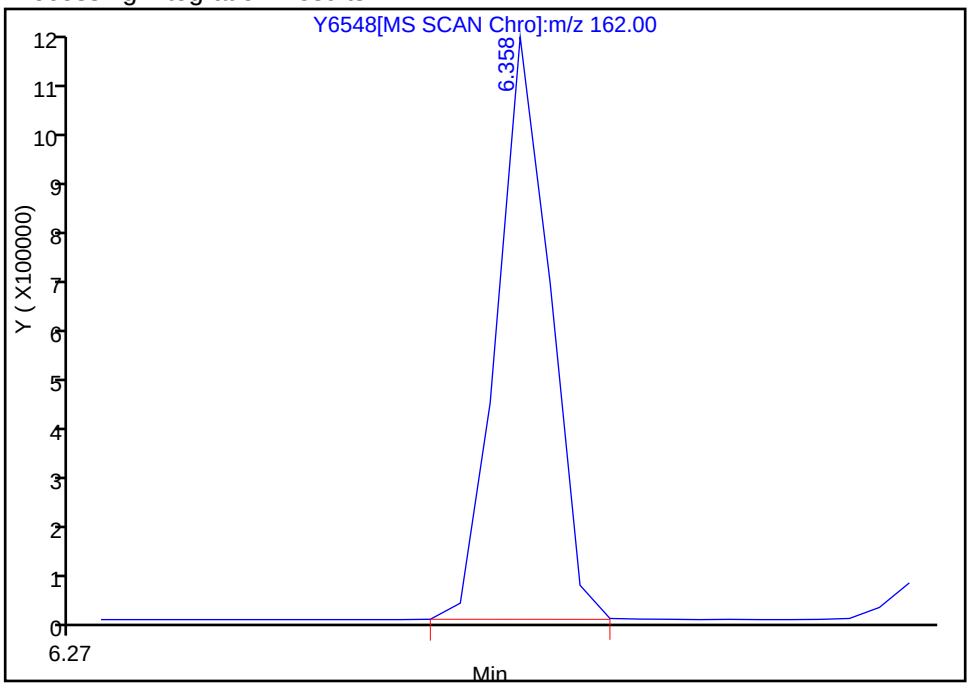
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

115 1-Chloronaphthalene, Signal: 1, m/z: 162.0 Type: quant, RT: 6.46

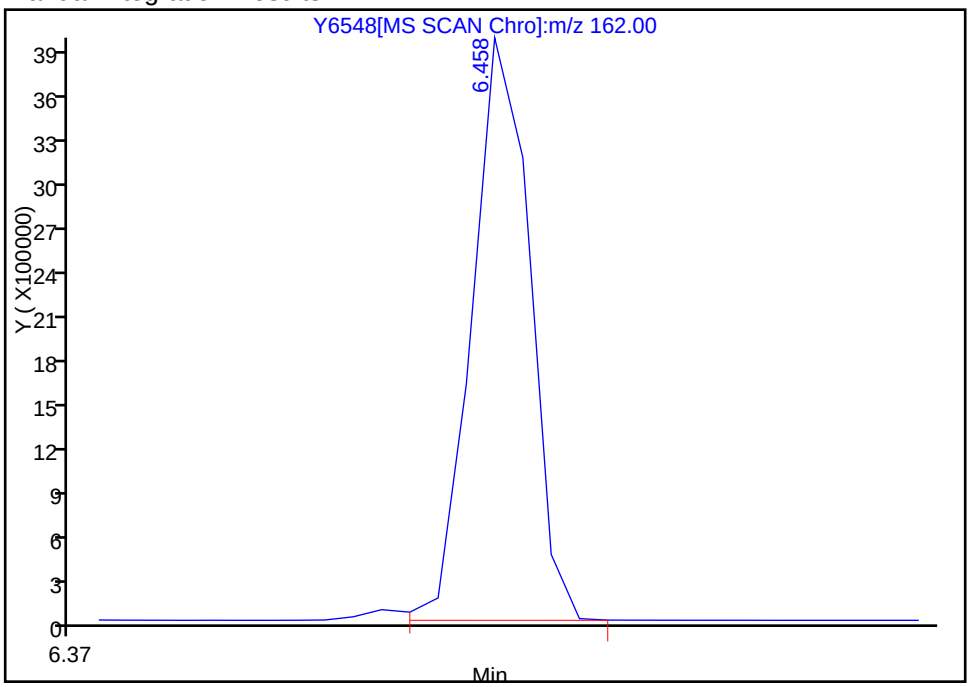
Processing Integration Results

RT: 6.36
Response: 822740
Amount: 195.7470



Manual Integration Results

RT: 6.46
Response: 3296895
Amount: 177.4722



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

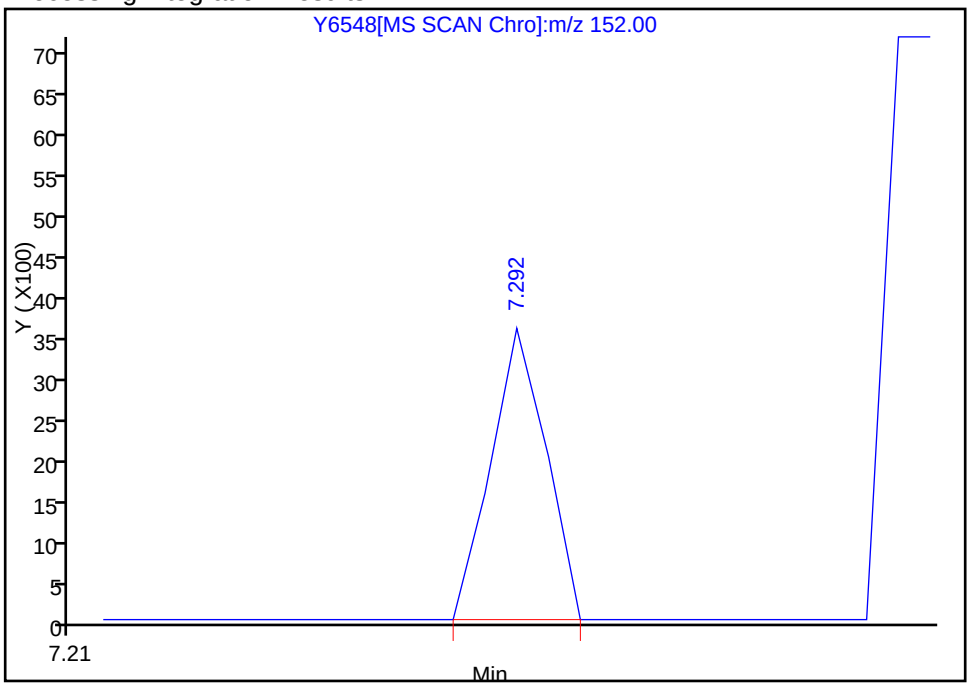
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

145 N-Nitro-o-toluidine, Signal: 1, m/z: 152.0 Type: quant, RT: 7.38

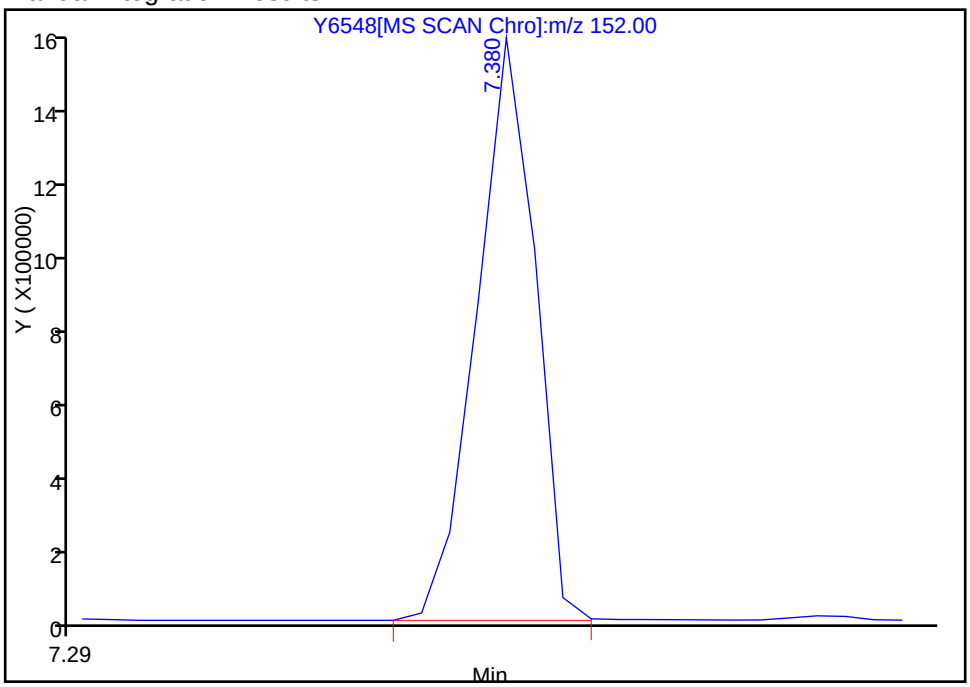
Processing Integration Results

RT: 7.29
Response: 2520
Amount: 179.3090



Manual Integration Results

RT: 7.38
Response: 1286667
Amount: 194.9292



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

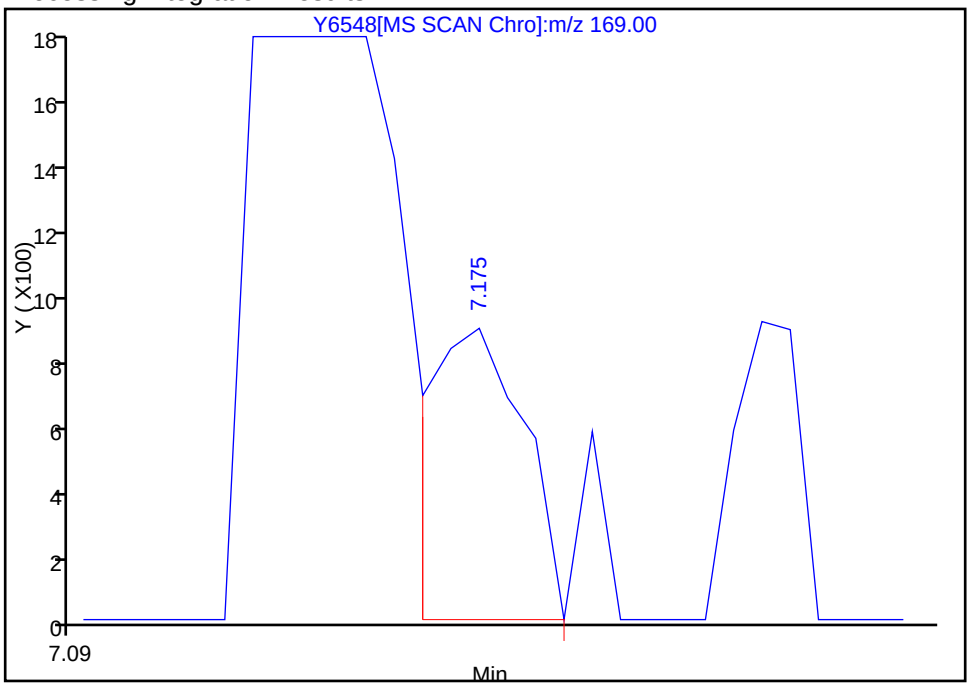
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

149 Diphenylamine, Signal: 1, m/z: 169.0 Type: quant, RT: 7.45

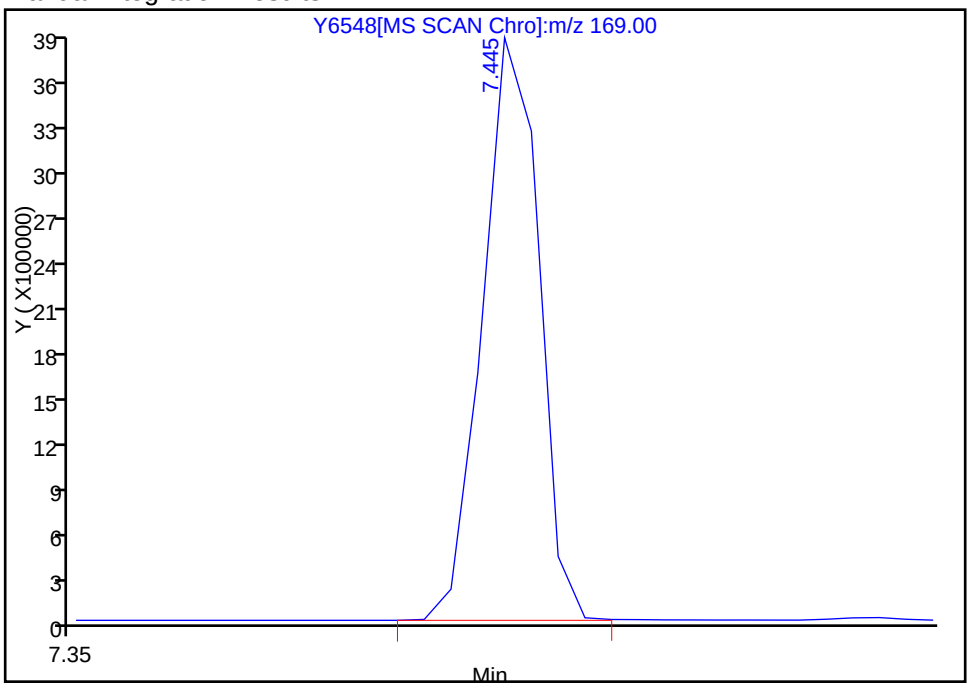
Processing Integration Results

RT: 7.17
Response: 1246
Amount: 3.285966



Manual Integration Results

RT: 7.45
Response: 3322200
Amount: 176.1337



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

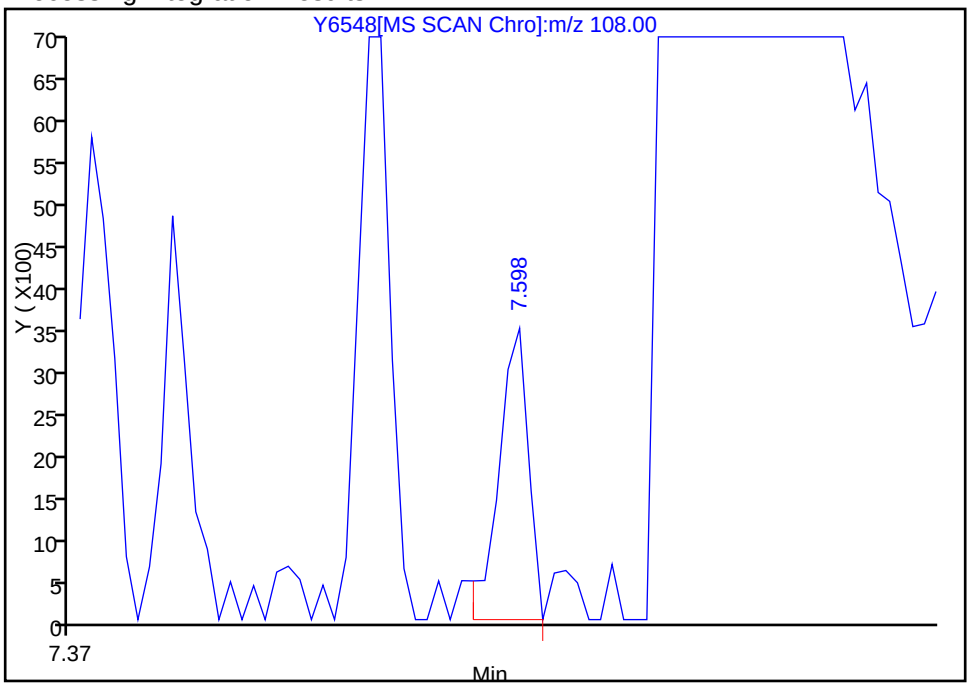
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

161 Phenacetin, Signal: 1, m/z: 108.0 Type: quant, RT: 7.70

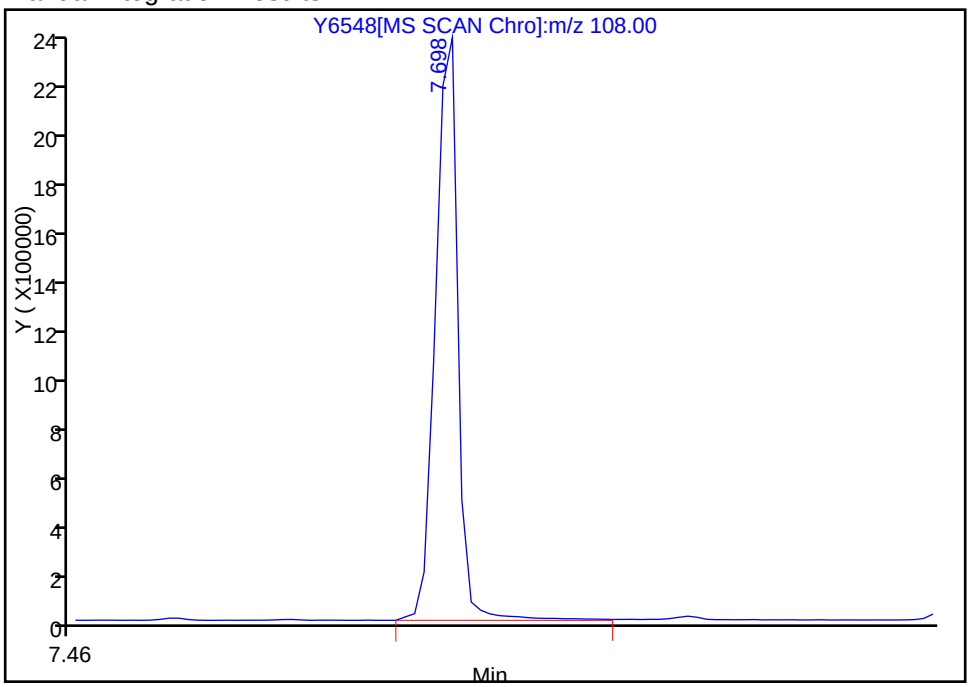
Processing Integration Results

RT: 7.60
Response: 3665
Amount: 0.416248



Manual Integration Results

RT: 7.70
Response: 2268915
Amount: 191.4814



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

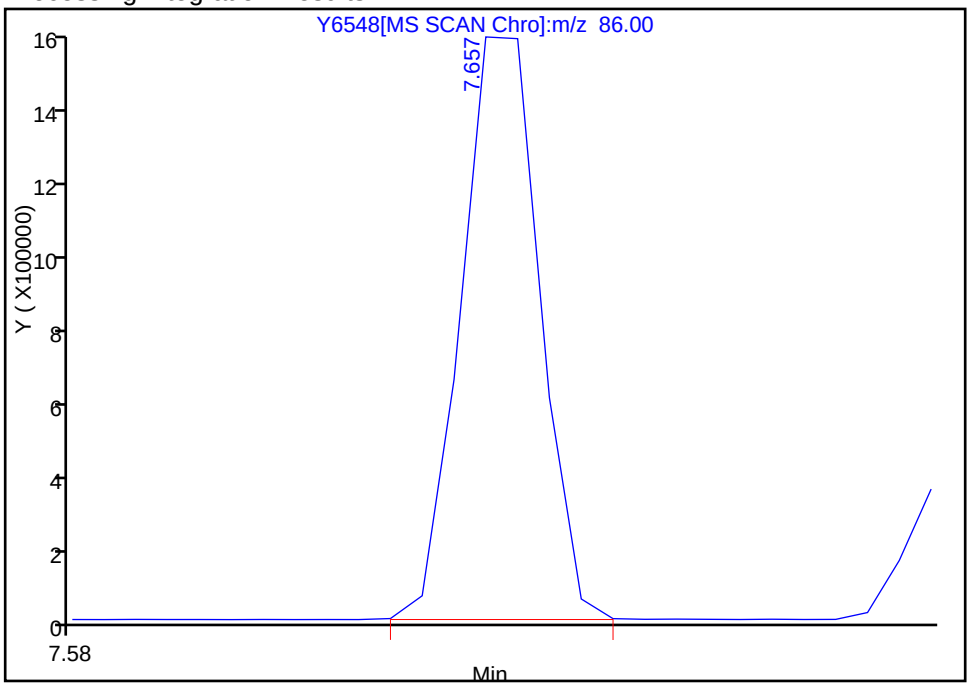
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

163 Diallate Peak 2, Signal: 1, m/z: 86.0 Type: quant, RT: 7.74

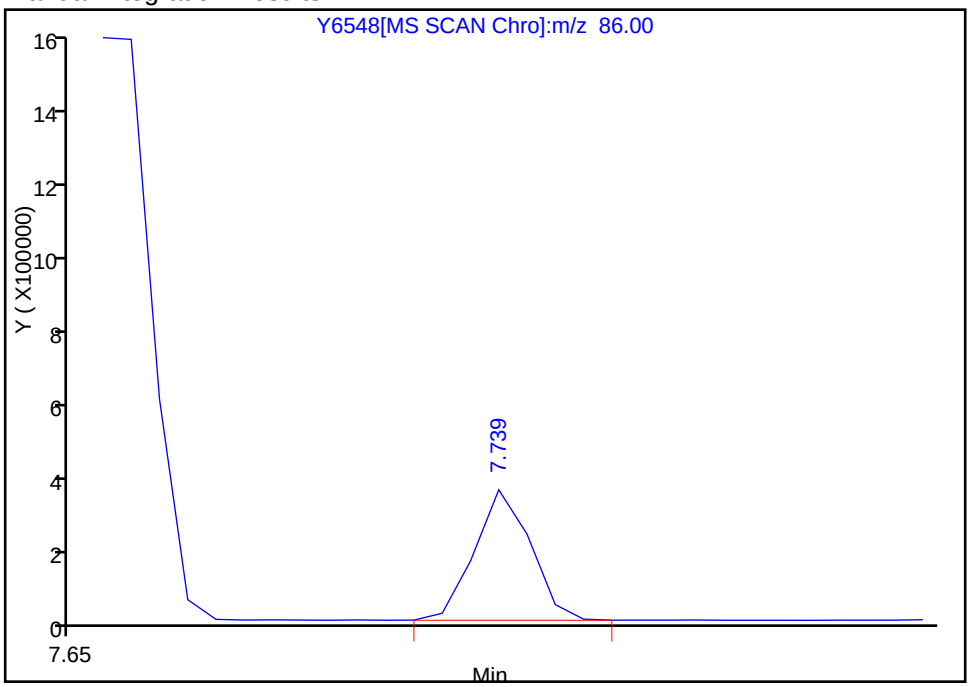
Processing Integration Results

RT: 7.66
Response: 1581211
Amount: 22.008418



Manual Integration Results

RT: 7.74
Response: 283704
Amount: 23.572130



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

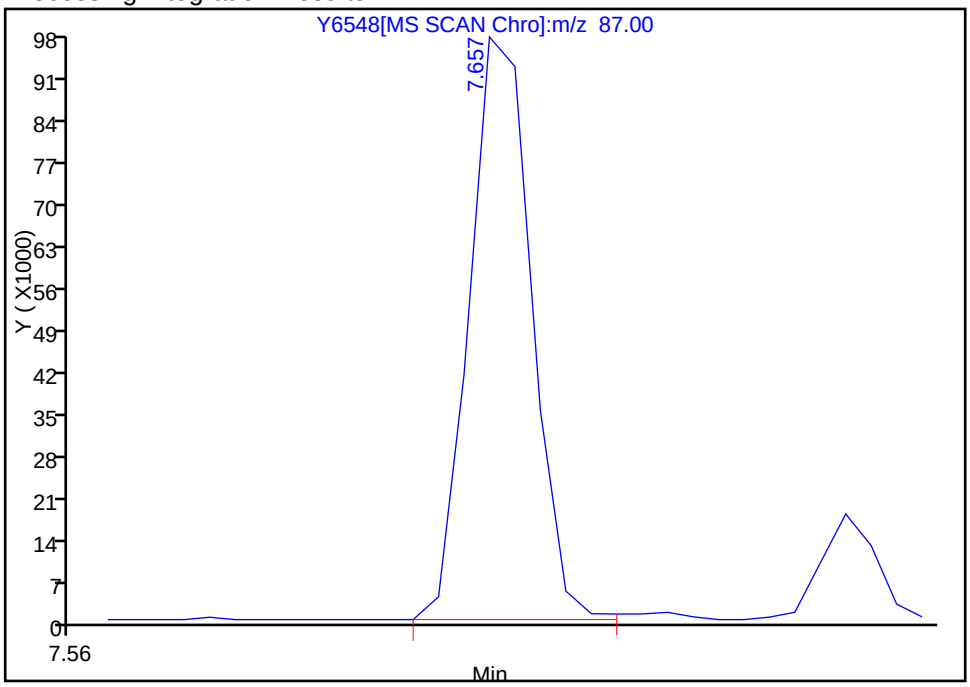
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

166 Dimethoate, Signal: 1, m/z: 87.0 Type: quant, RT: 7.84

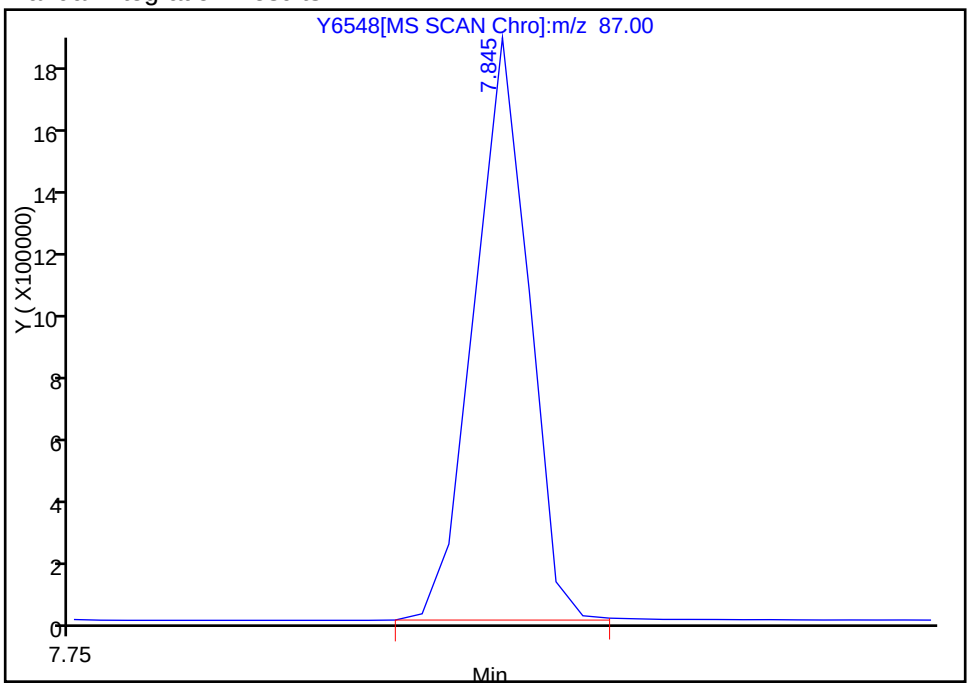
Processing Integration Results

RT: 7.66
Response: 97955
Amount: 246.1696



Manual Integration Results

RT: 7.84
Response: 1542008
Amount: 167.4049



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

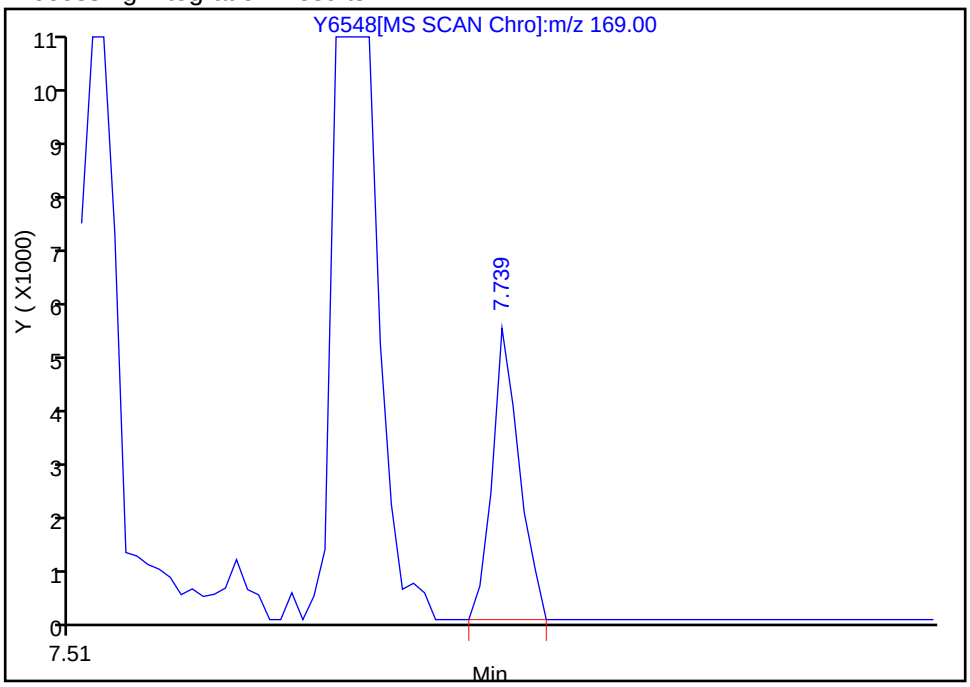
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

170 4-Aminobiphenyl, Signal: 1, m/z: 169.0 Type: quant, RT: 7.99

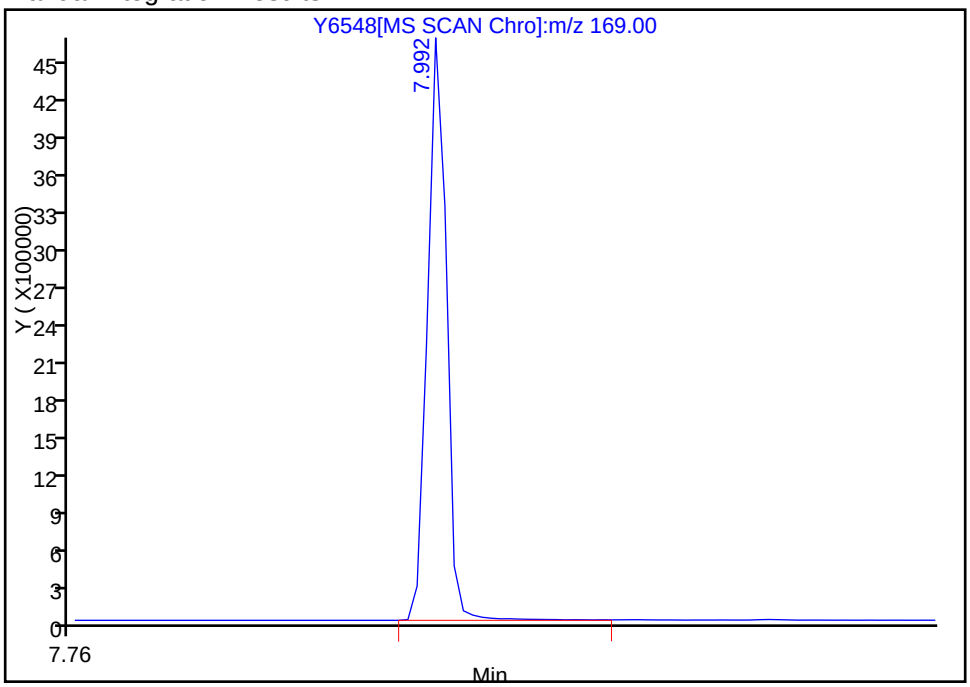
Processing Integration Results

RT: 7.74
Response: 5231
Amount: 26.046662



Manual Integration Results

RT: 7.99
Response: 3930640
Amount: 169.2030



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

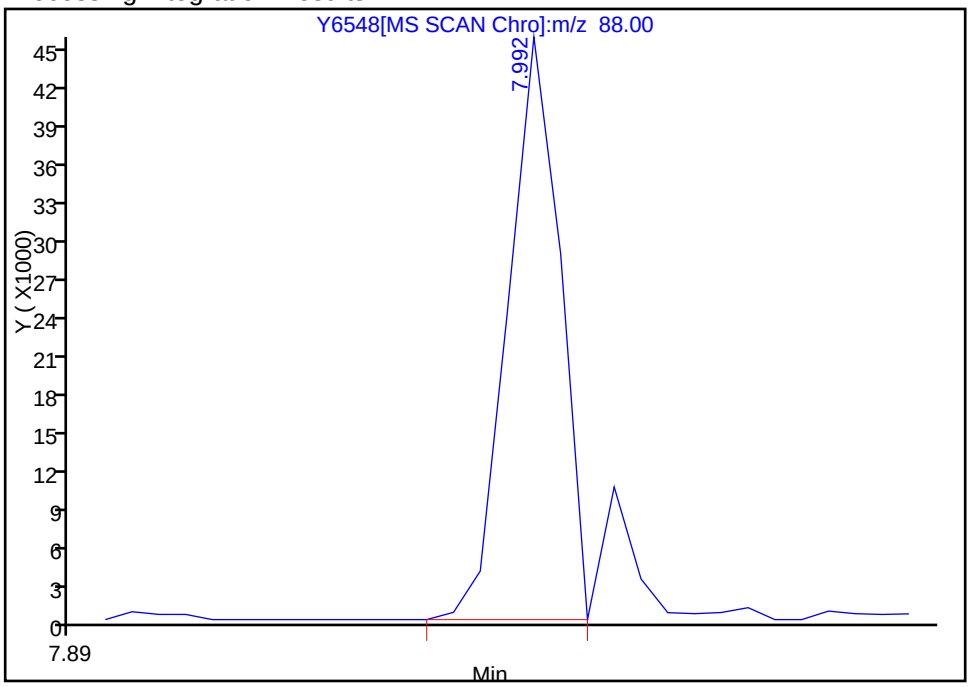
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

174 Disulfoton, Signal: 1, m/z: 88.0 Type: quant, RT: 8.11

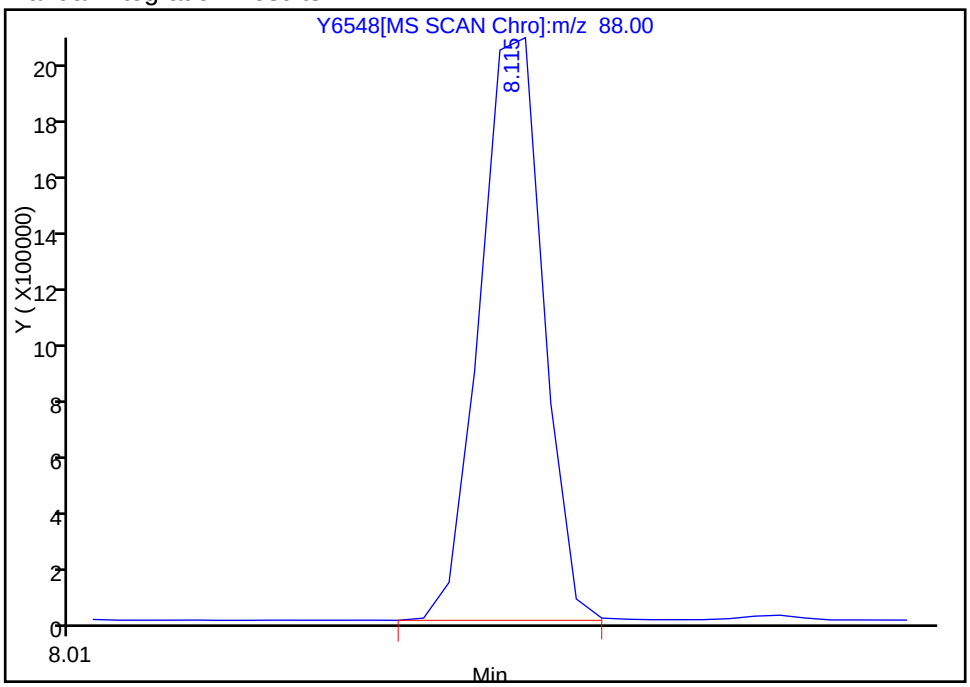
Processing Integration Results

RT: 7.99
Response: 35789
Amount: 11.172468



Manual Integration Results

RT: 8.11
Response: 2104314
Amount: 174.8624



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

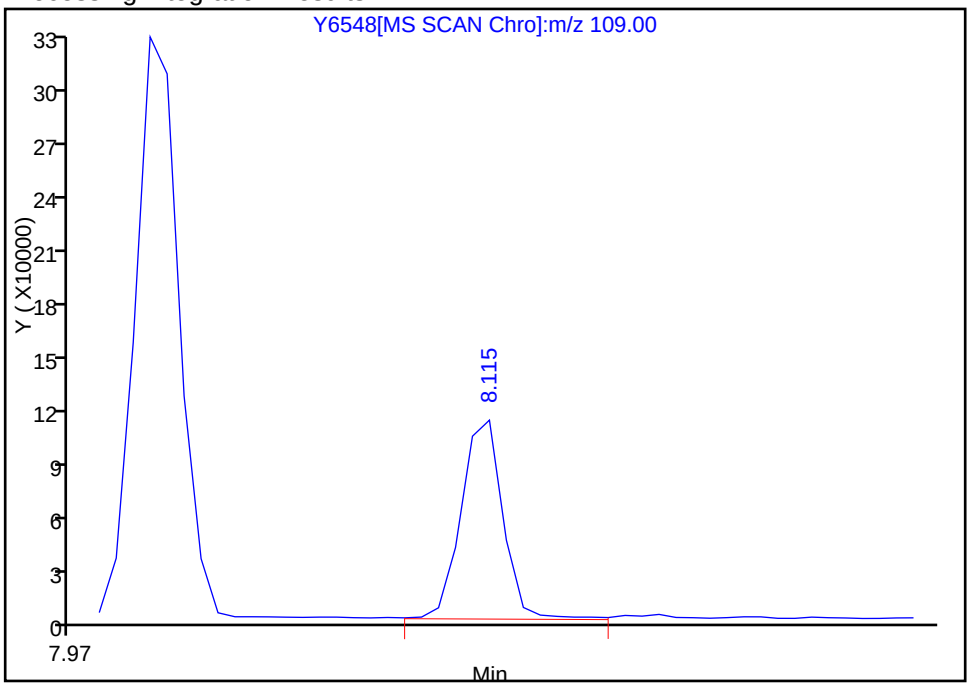
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

180 Methyl parathion, Signal: 1, m/z: 109.0 Type: quant, RT: 8.45

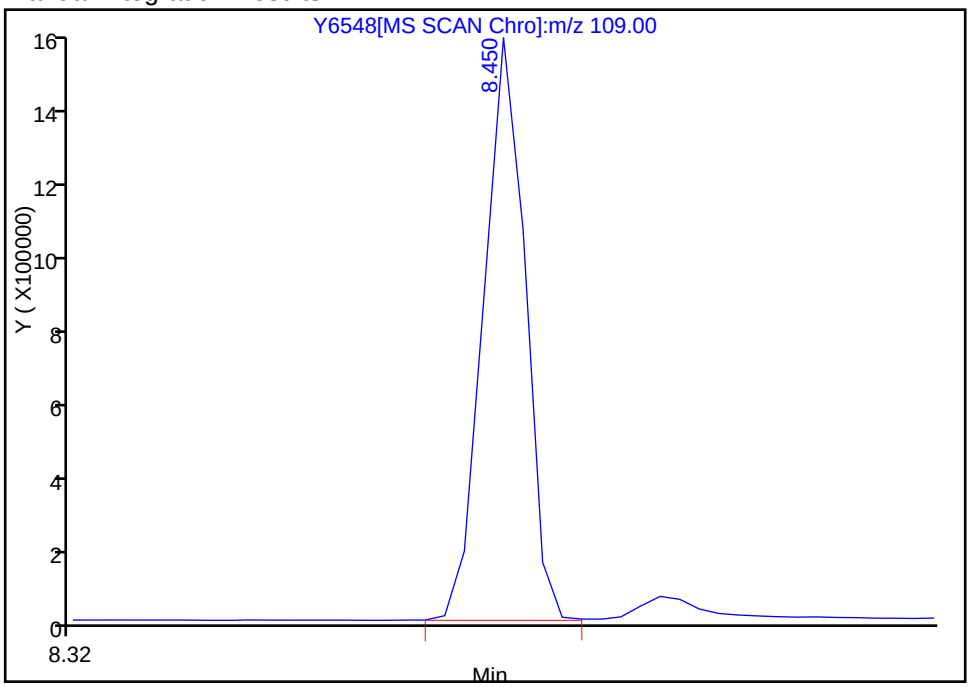
Processing Integration Results

RT: 8.11
Response: 113201
Amount: 190.4009



Manual Integration Results

RT: 8.45
Response: 1300732
Amount: 174.3019



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

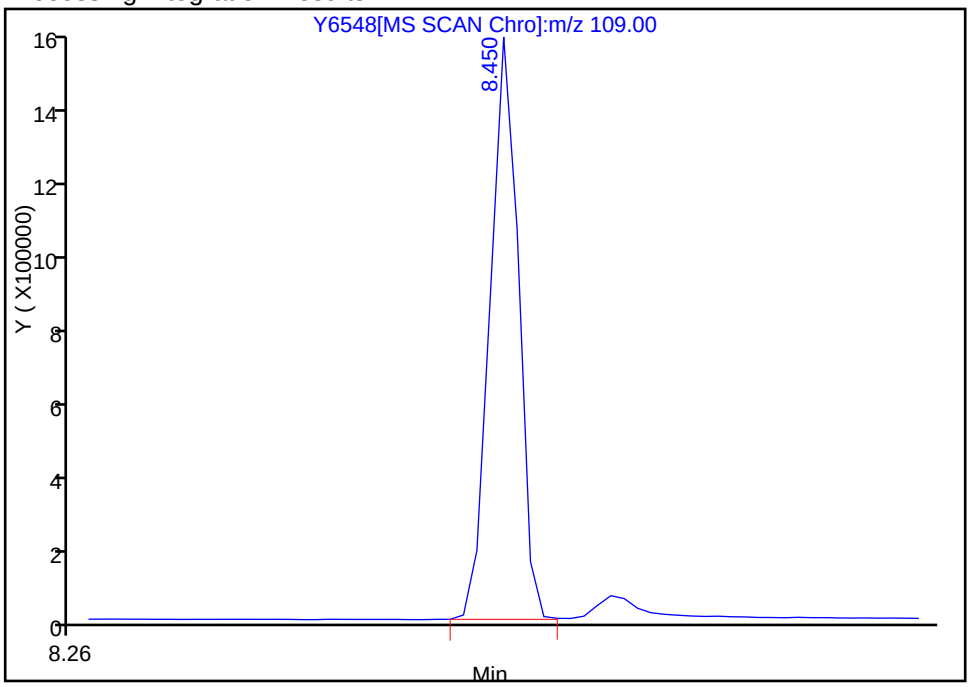
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

183 Ethyl Parathion, Signal: 1, m/z: 109.0 Type: quant, RT: 8.80

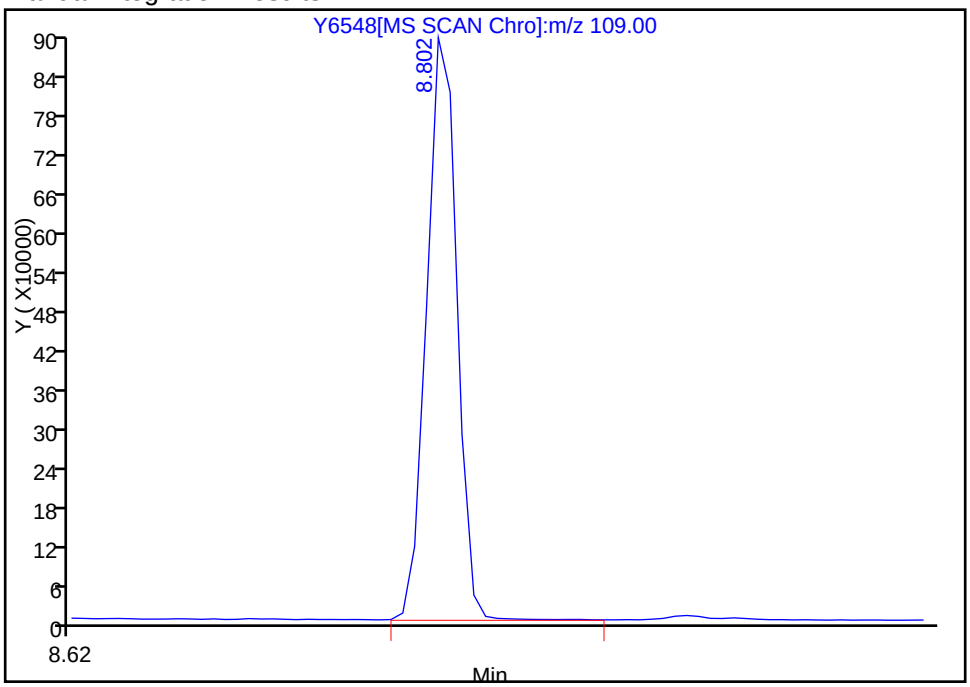
Processing Integration Results

RT: 8.45
Response: 1298687
Amount: 181.9347



Manual Integration Results

RT: 8.80
Response: 931534
Amount: 197.3651



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

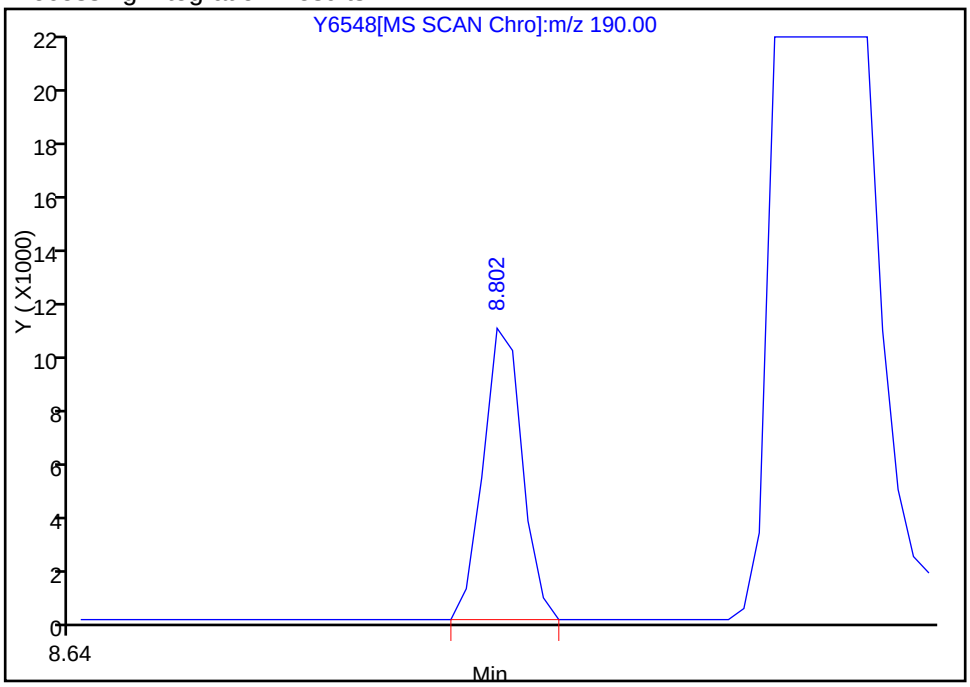
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

184 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 8.93

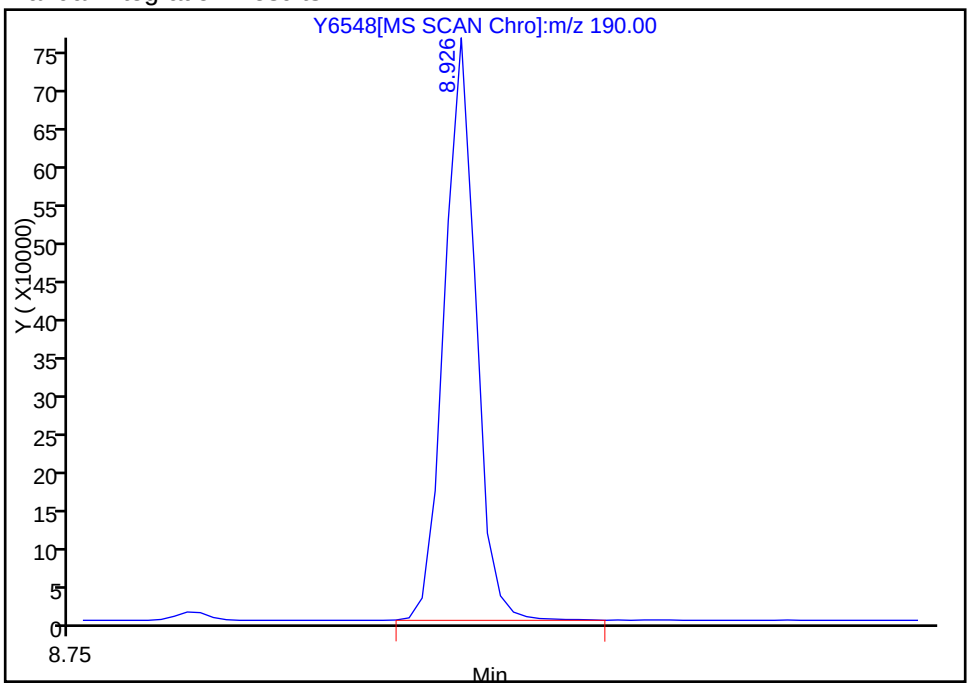
Processing Integration Results

RT: 8.80
Response: 11267
Amount: 202.9367



Manual Integration Results

RT: 8.93
Response: 748256
Amount: 191.7733



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

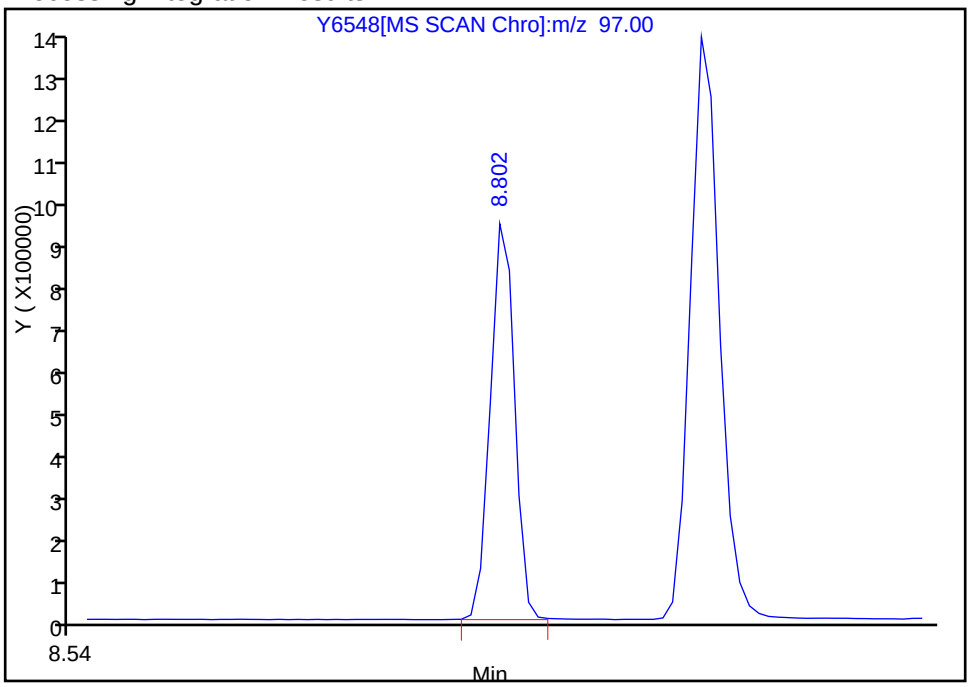
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

185 Methapyrilene, Signal: 1, m/z: 97.0 Type: quant, RT: 8.93

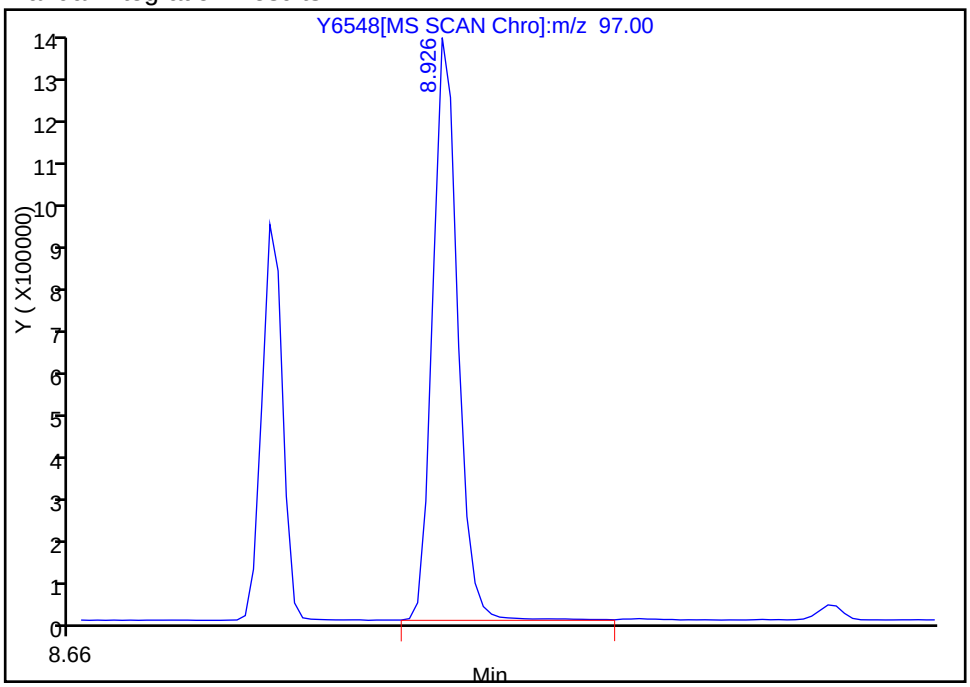
Processing Integration Results

RT: 8.80
Response: 963175
Amount: 189.9804



Manual Integration Results

RT: 8.93
Response: 1711335
Amount: 157.9609



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

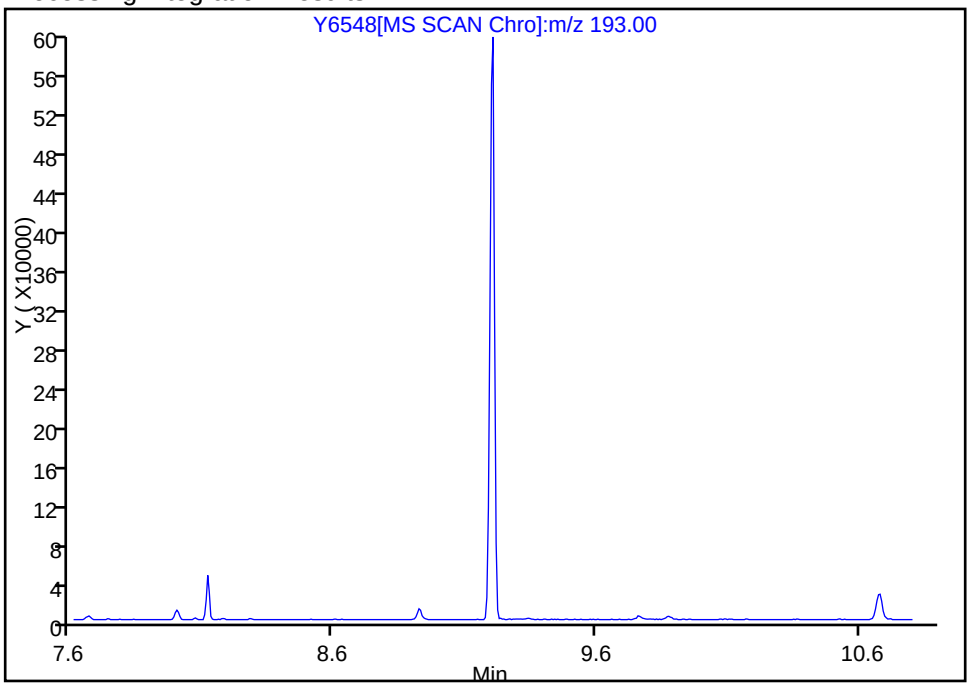
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

187 Isodrin, Signal: 1, m/z: 193.0 Type: quant, RT: 9.21

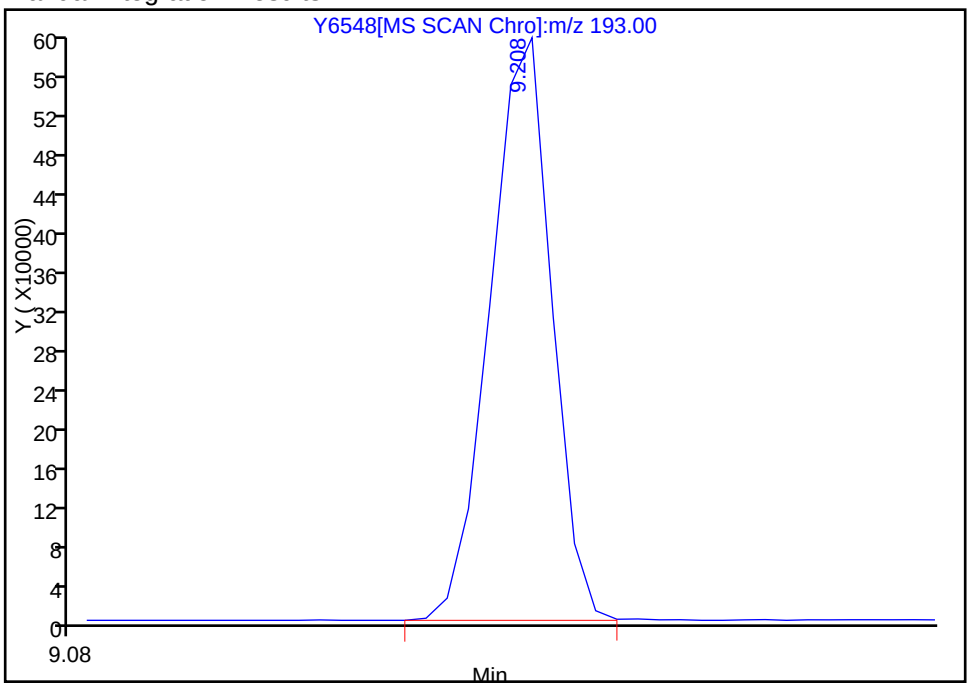
Processing Integration Results

Not Detected
Expected RT: 9.21



Manual Integration Results

RT: 9.21
Response: 709274
Amount: 189.3834



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

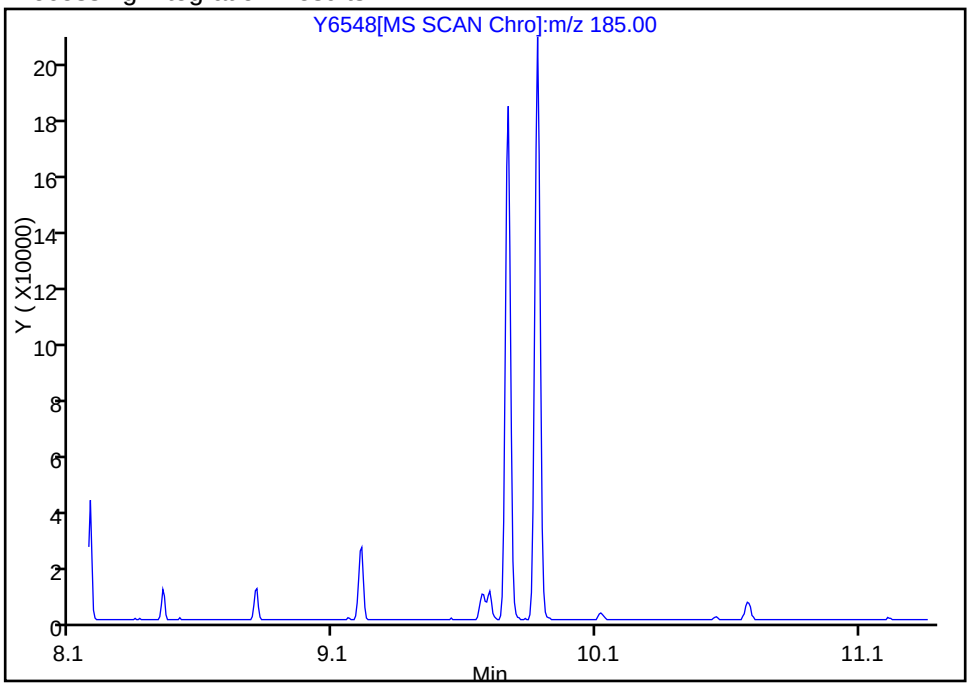
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

192 Aramite Peak 1, Signal: 1, m/z: 185.0 Type: quant, RT: 9.77

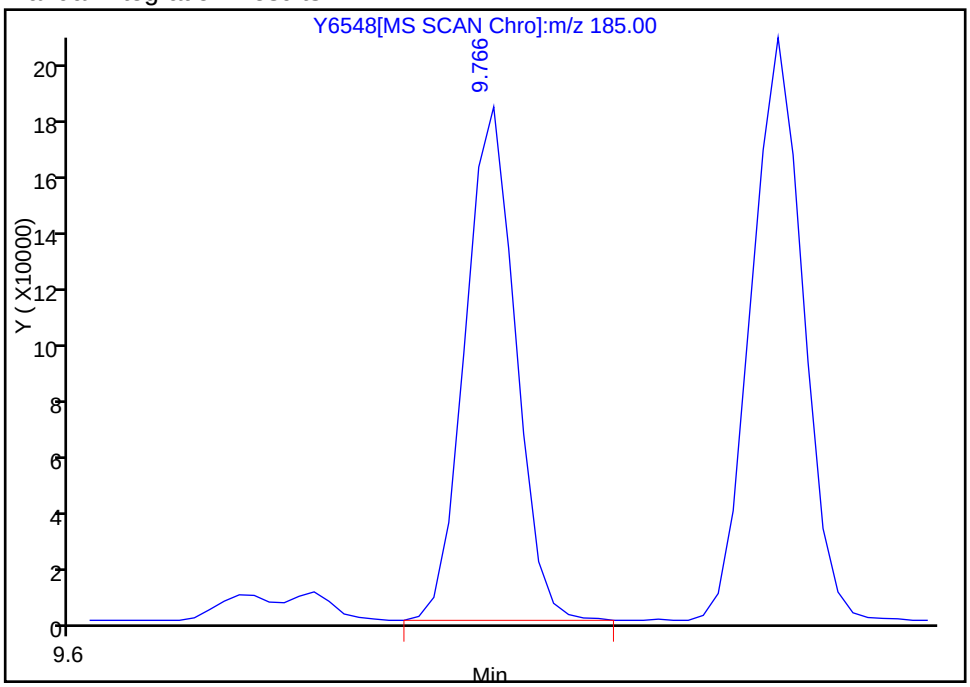
Processing Integration Results

Not Detected
Expected RT: 9.77



Manual Integration Results

RT: 9.77
Response: 242884
Amount: 91.510729



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

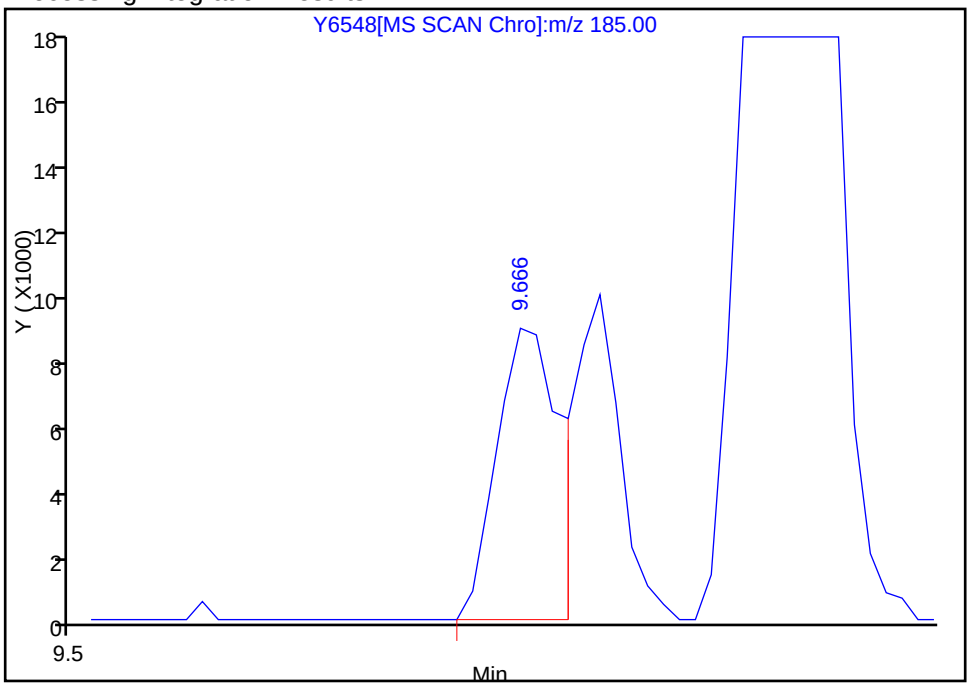
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

193 Aramite Peak 2, Signal: 1, m/z: 185.0 Type: quant, RT: 9.88

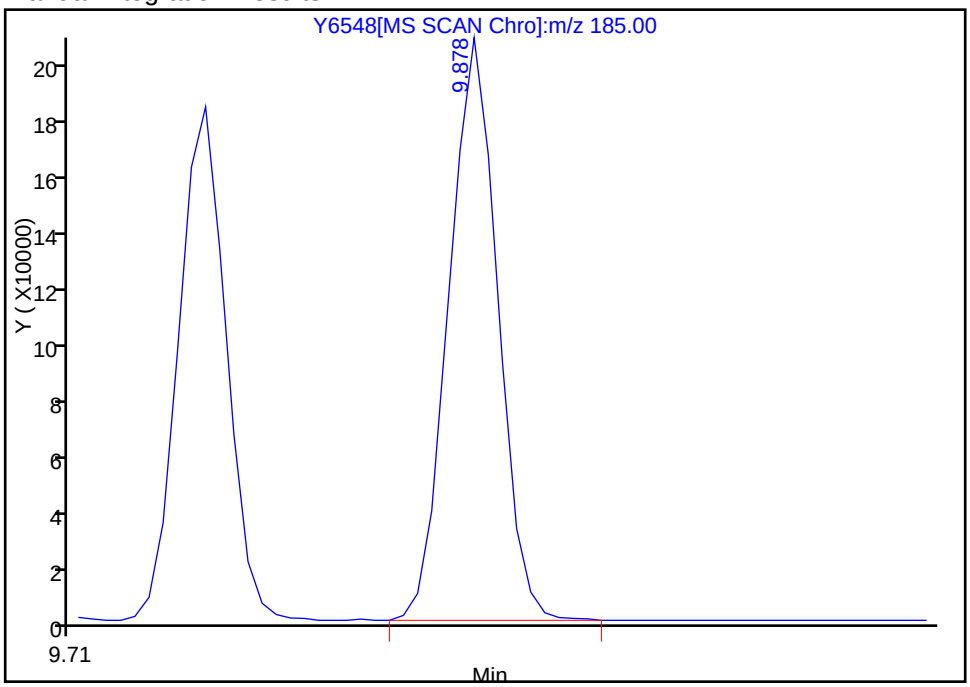
Processing Integration Results

RT: 9.67
Response: 14380
Amount: 114.5746



Manual Integration Results

RT: 9.88
Response: 284083
Amount: 117.9007



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

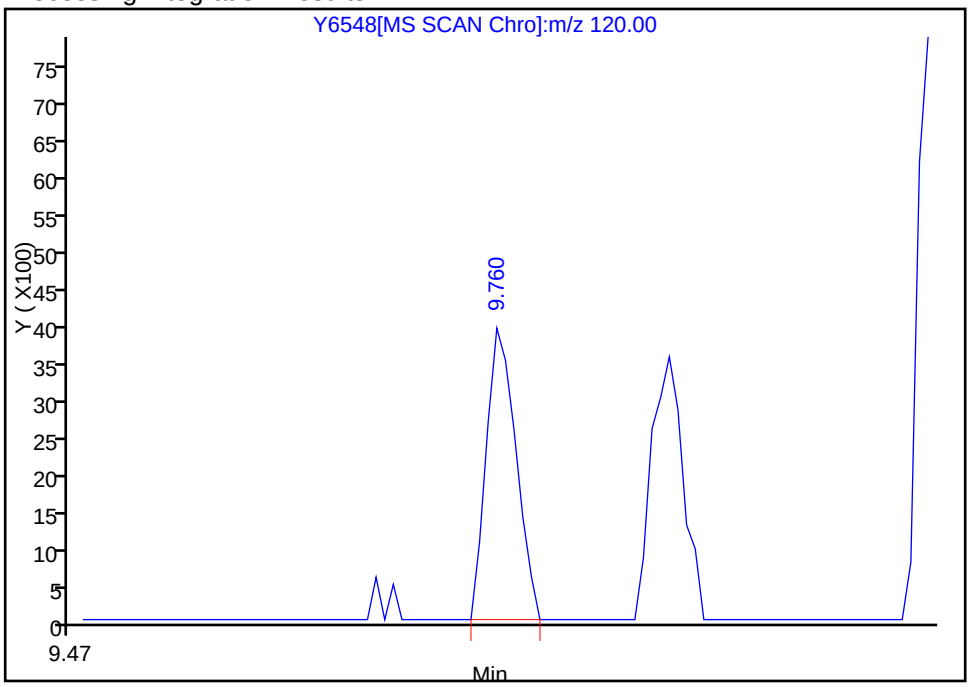
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

194 p-Dimethylamino azobenzene, Signal: 1, m/z: 120.0 Type: quant, RT: 10.08

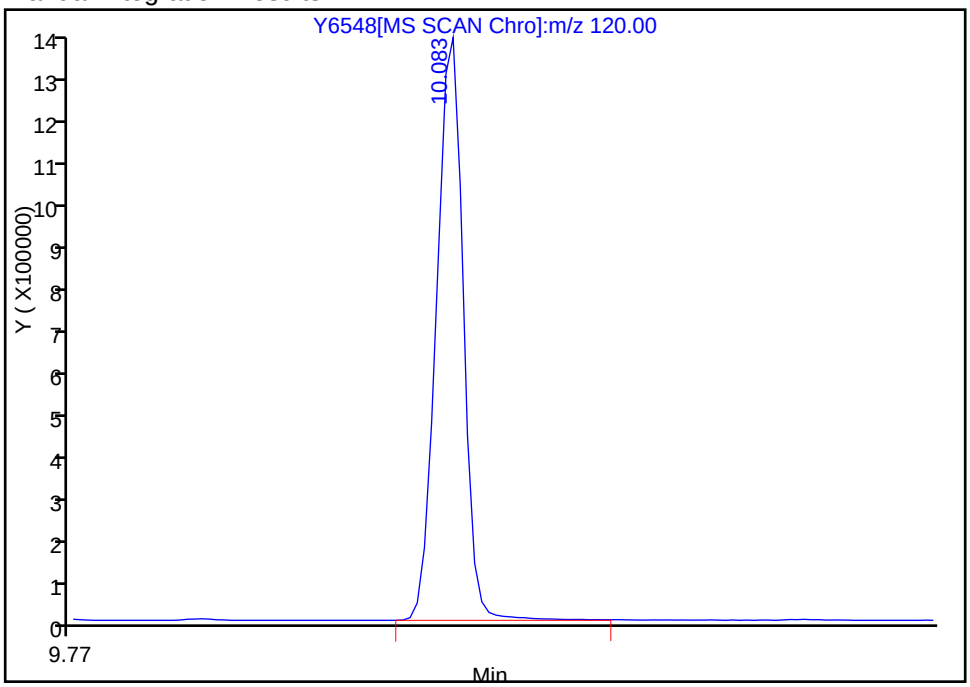
Processing Integration Results

RT: 9.76
Response: 5516
Amount: 181.2246



Manual Integration Results

RT: 10.08
Response: 2059242
Amount: 199.7056



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

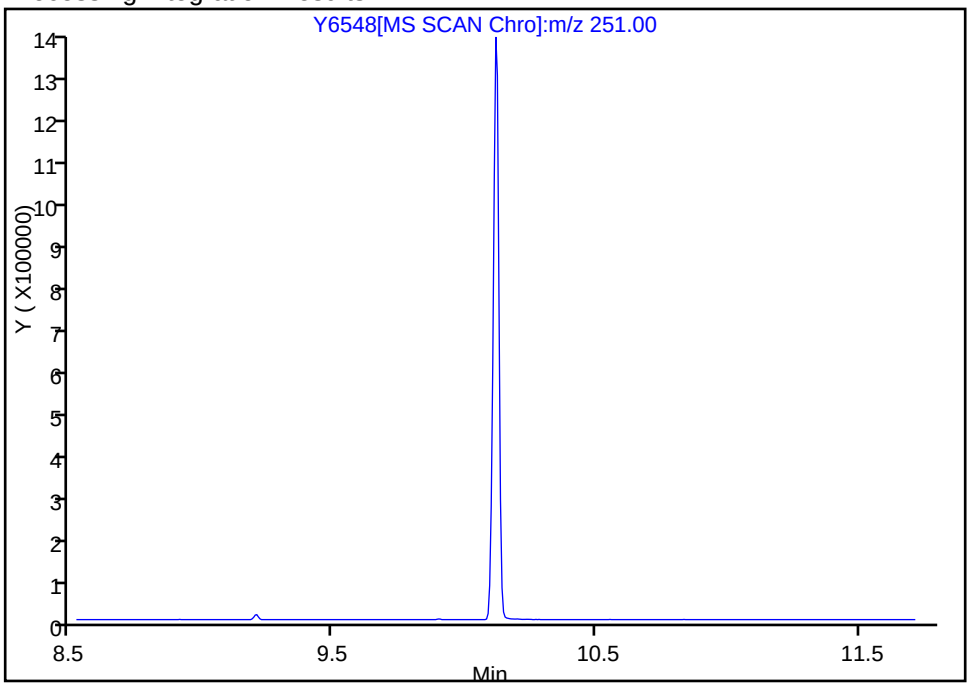
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

195 Chlorobenzilate, Signal: 1, m/z: 251.0 Type: quant, RT: 10.12

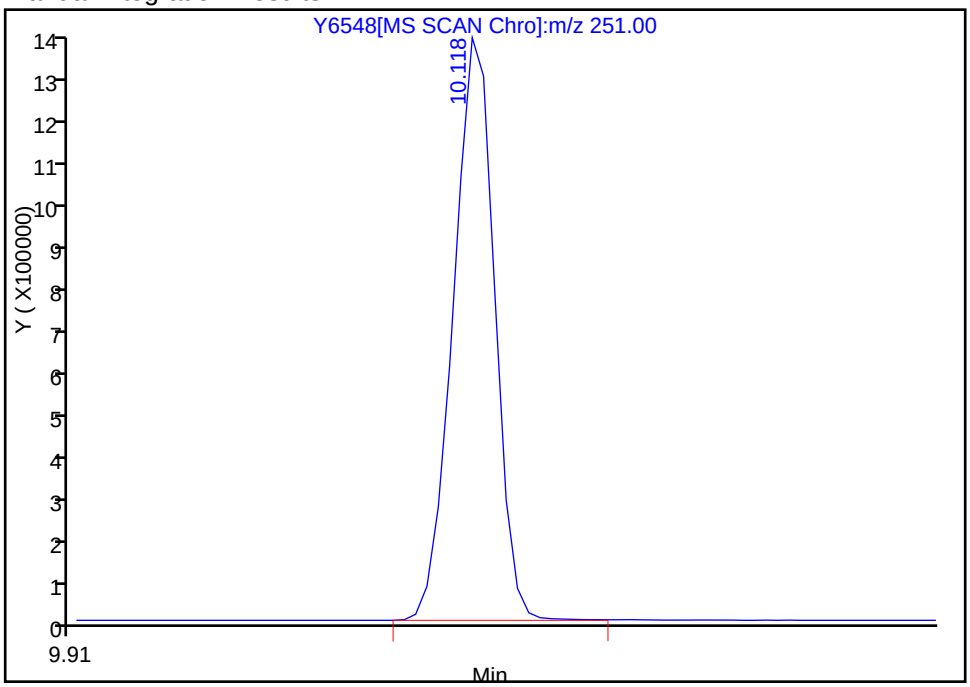
Processing Integration Results

Not Detected
Expected RT: 10.12



Manual Integration Results

RT: 10.12
Response: 1992363
Amount: 204.0359



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

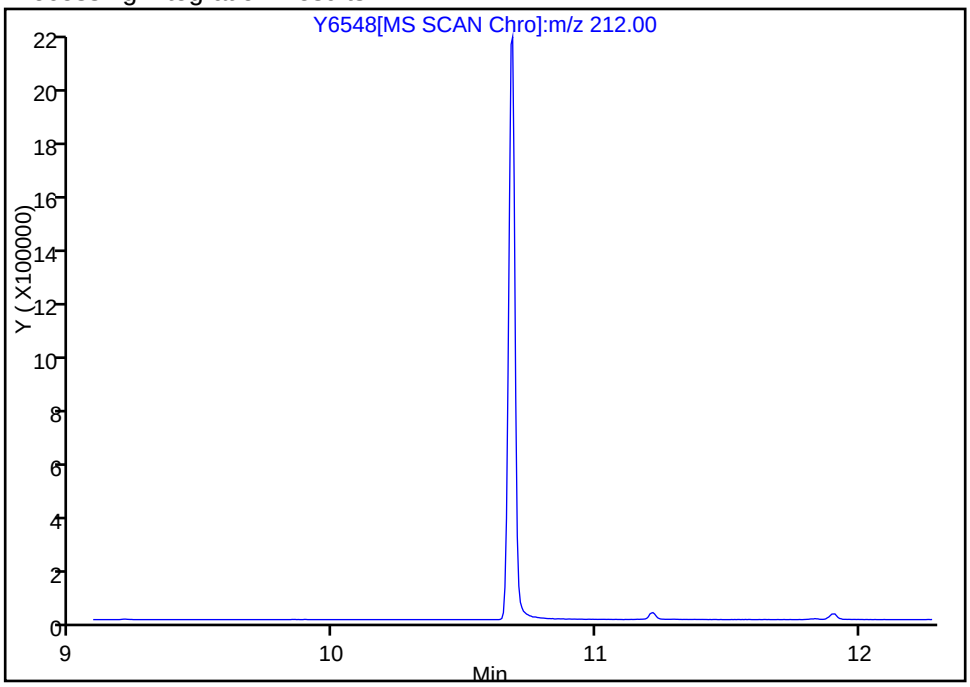
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

199 3,3'-Dimethylbenzidine, Signal: 1, m/z: 212.0 Type: quant, RT: 10.68

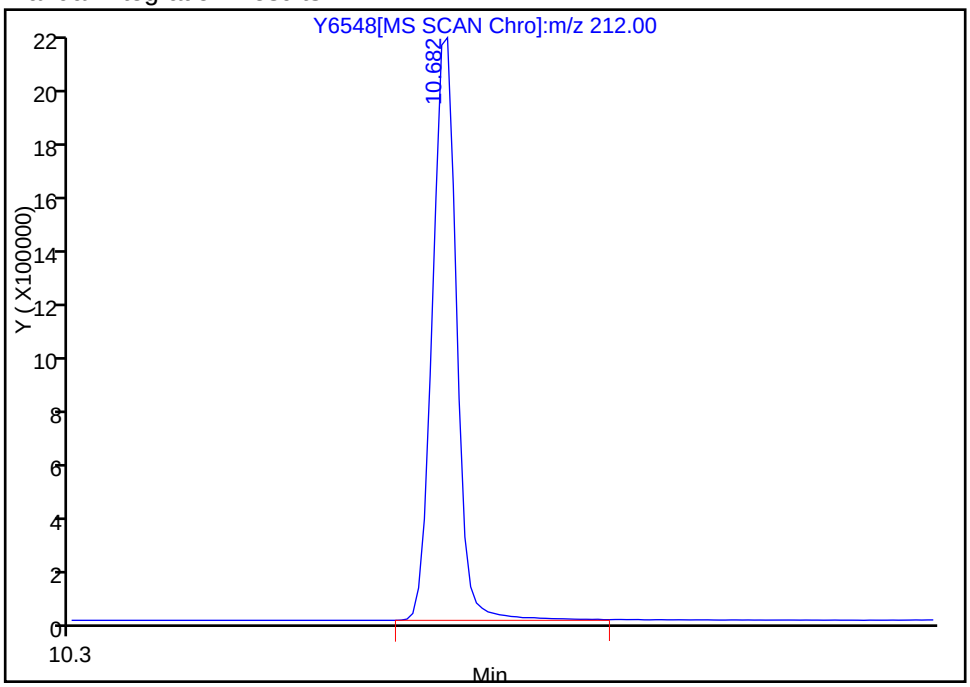
Processing Integration Results

Not Detected
Expected RT: 10.68



Manual Integration Results

RT: 10.68
Response: 3761646
Amount: 196.8216



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

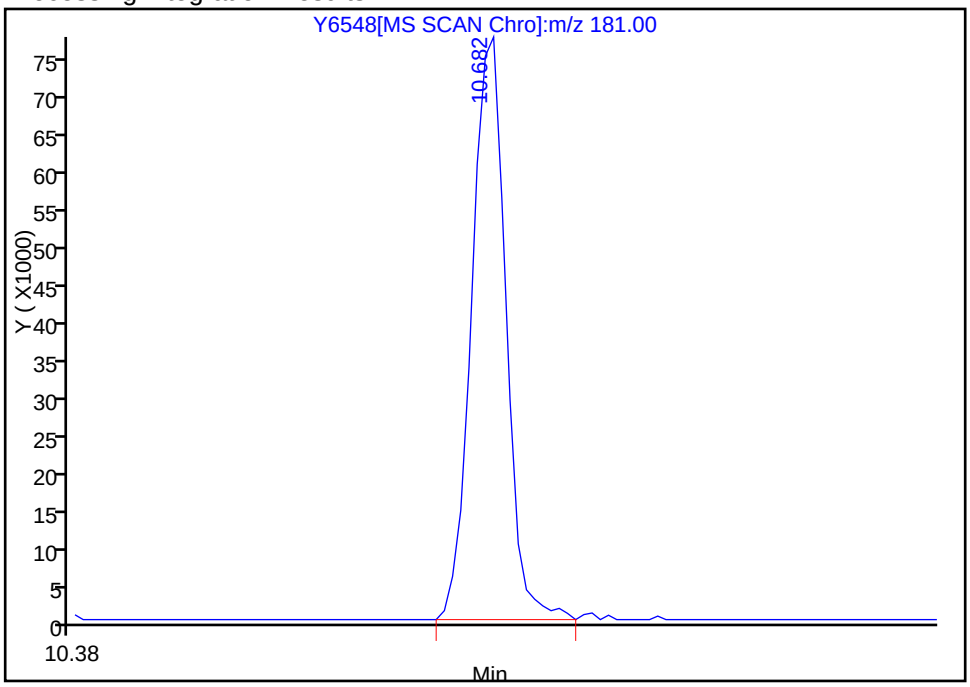
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

202 2-Acetylaminofluorene, Signal: 1, m/z: 181.0 Type: quant, RT: 11.19

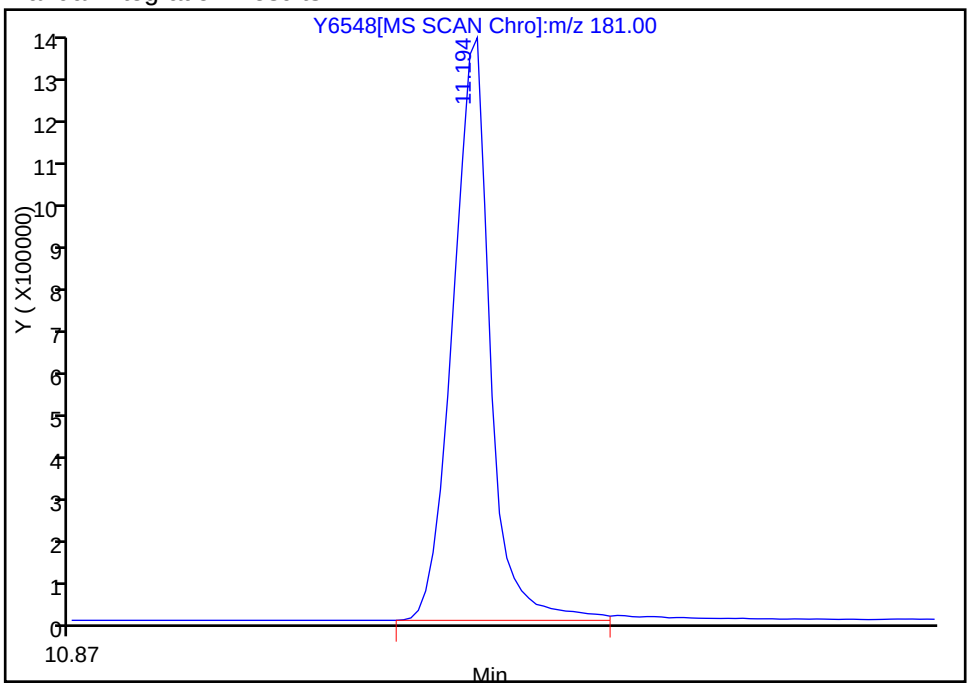
Processing Integration Results

RT: 10.68
Response: 131918
Amount: 191.9072



Manual Integration Results

RT: 11.19
Response: 2759568
Amount: 195.8677



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

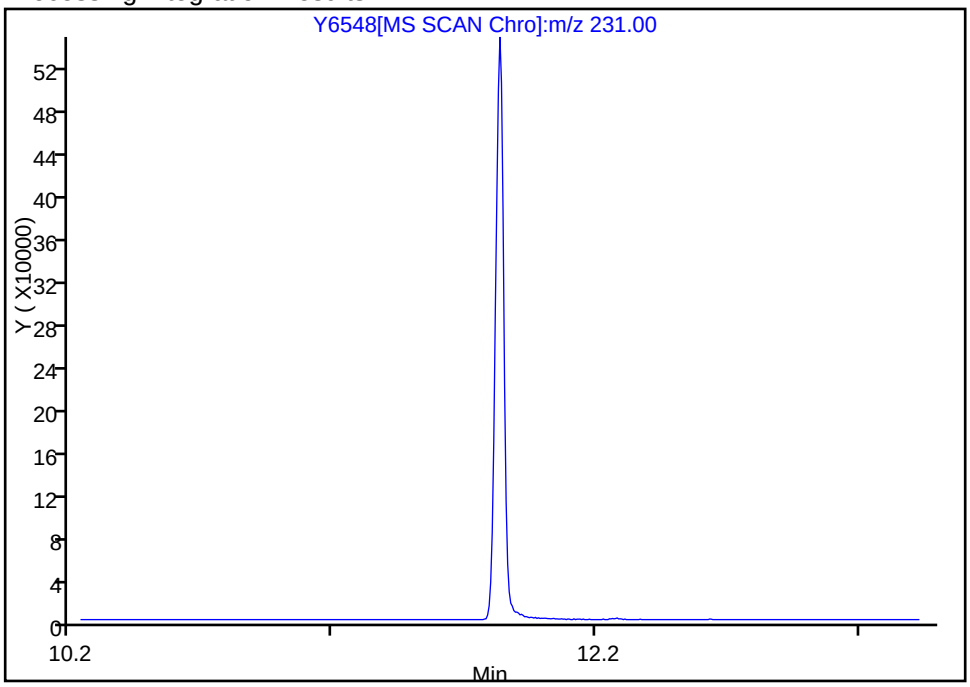
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

204 4,4'-Methylene bis(2-chloroaniline), Signal: 1, m/z: 231.0 Type: quant, RT: 11.83

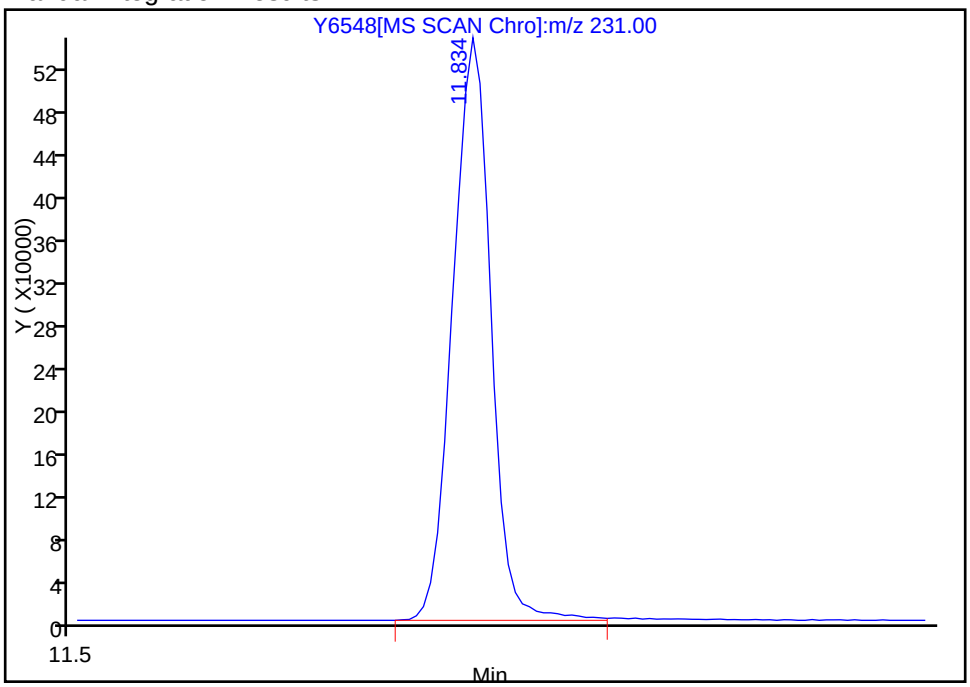
Processing Integration Results

Not Detected
Expected RT: 11.83



Manual Integration Results

RT: 11.83
Response: 1191741
Amount: 213.3961



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

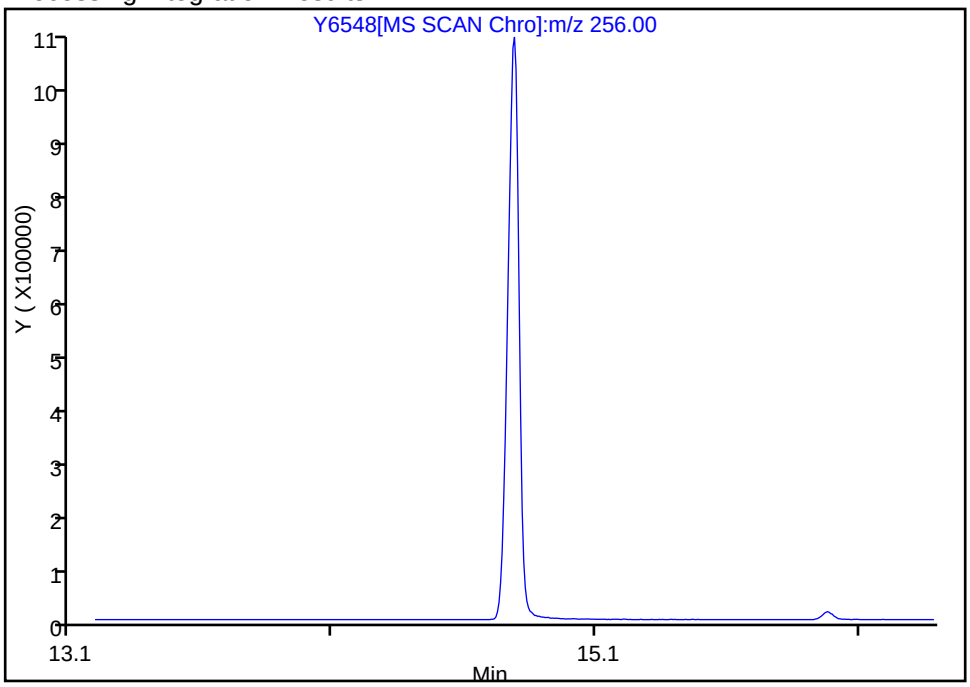
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

210 7,12-Dimethylbenz(a)anthracene, Signal: 1, m/z: 256.0 Type: quant, RT: 14.79

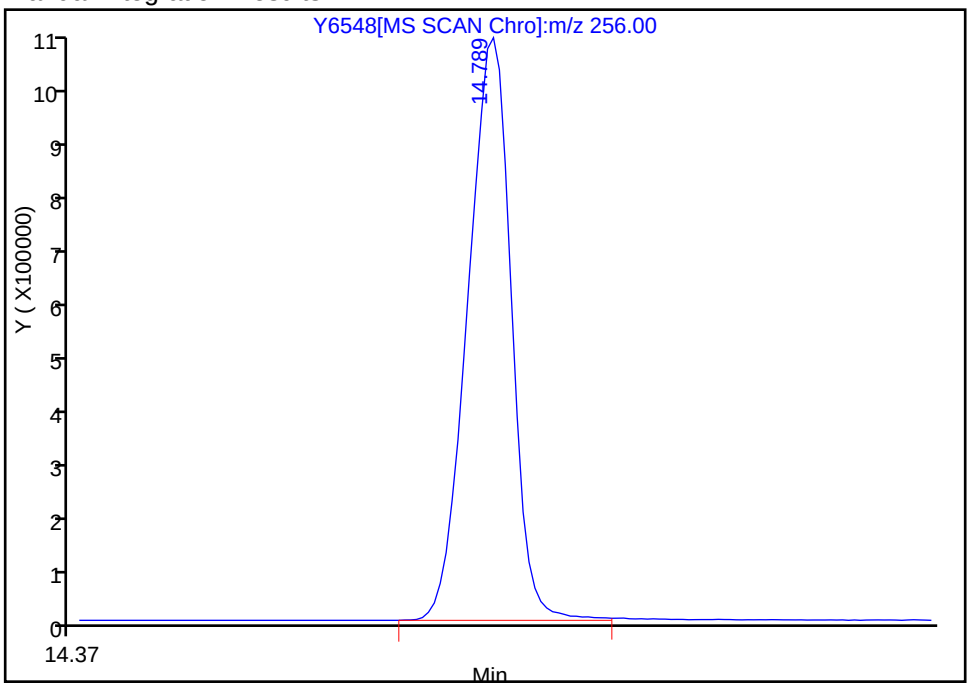
Processing Integration Results

Not Detected
Expected RT: 14.79



Manual Integration Results

RT: 14.79
Response: 3178594
Amount: 214.1203



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

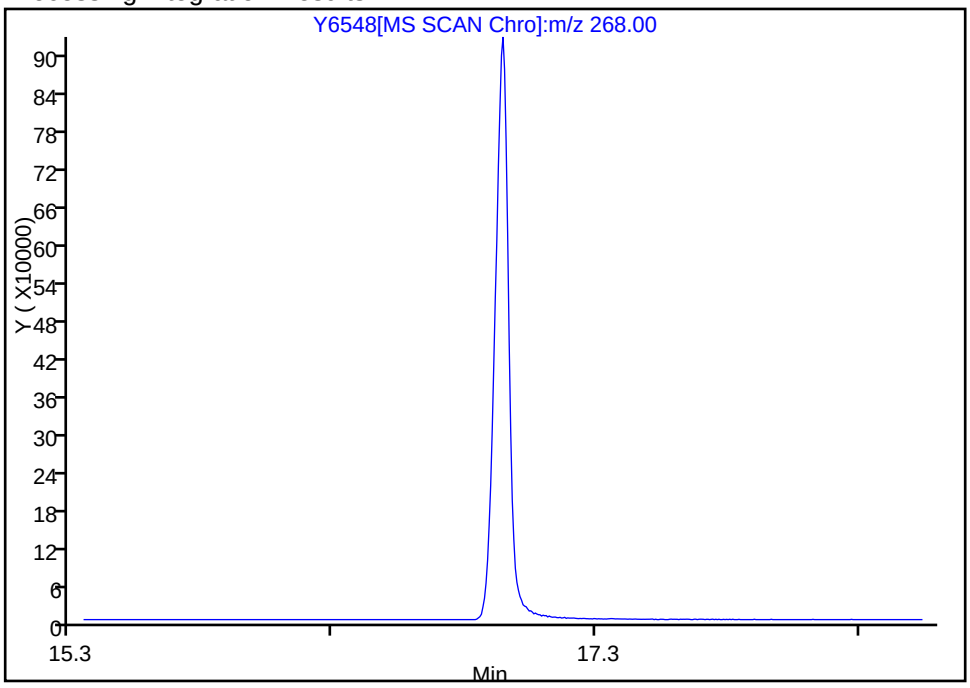
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6548.D		
Injection Date:	19-Sep-2013 09:25:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

217 3-Methylcholanthrene, Signal: 1, m/z: 268.0 Type: quant, RT: 16.95

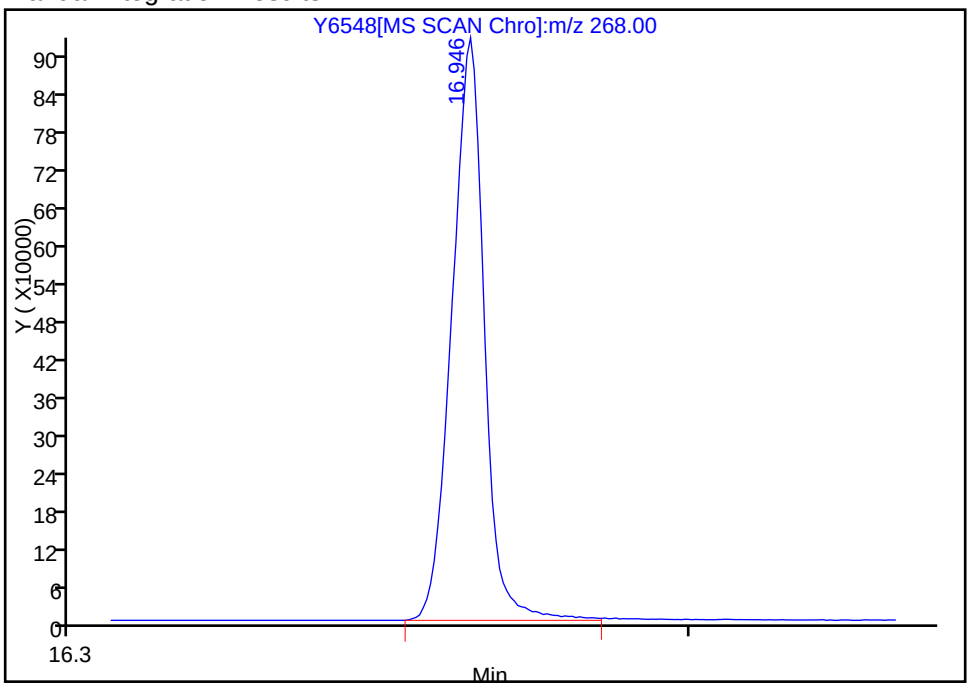
Processing Integration Results

Not Detected
Expected RT: 16.95



Manual Integration Results

RT: 16.95
Response: 3375050
Amount: 203.3668



Reviewer: kellisonm, 19-Sep-2013 11:41:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6549.D
Lims ID: IC AP9160 Client ID:
Inject. Date: 19-Sep-2013 09:53:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: IC AP9A160
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 3
Lims Batch ID: 192194 Lims Sample ID: 3
Sublist: chrom-SMSY_8270C*sub15
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:24 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 11:43:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.398	4.396	0.002	97	302553	40.0	
* 2 Naphthalene-d8	136	5.432	5.430	0.002	100	1185755	40.0	
* 3 Acenaphthene-d10	164	6.907	6.905	0.002	91	698050	40.0	
* 4 Phenanthrene-d10	188	8.170	8.174	-0.004	98	1173087	40.0	
* 5 Chrysene-d12	240	11.907	11.905	0.002	81	1236513	40.0	
* 6 Perylene-d12	264	15.978	15.982	-0.004	98	1098850	40.0	
31 2-Picoline	93	2.982	2.980	0.002	95	1934495	153.9	
32 N-Nitrosomethylethylamine	88	3.052	3.050	0.002	90	906242	157.2	
33 Acrylamide	71	3.240	3.244	-0.004	78	808363	163.4	
34 Methyl methanesulfonate	80	3.270	3.274	-0.004	88	1138280	153.9	
35 N-Nitrosodiethylamine	102	3.564	3.567	-0.003	96	851778	155.3	
37 Ethyl methanesulfonate	79	3.775	3.773	0.002	98	1325818	153.4	
46 Pentachloroethane	117	4.180	4.178	0.002	89	595236	154.6	
62 N-Nitrosopyrrolidine	100	4.698	4.701	-0.003	92	924070	158.2	
64 N-Nitrosomorpholine	116	4.727	4.725	0.002	93	362815	156.0	
65 2-Toluidine	106	4.739	4.736	0.002	86	2500559	150.2	
70 N-Nitrosopiperidine	114	4.980	4.977	0.003	84	847292	156.3	
76 o,o',o''-Triethylphosphorothioat	198	5.144	5.142	0.002	83	802442	158.7	
81 alpha,alpha-Dimethyl phenethylam	58	5.262	5.259	0.003	98	3955463	163.6	M
89 2,6-Dichlorophenol	162	5.491	5.489	0.002	98	1293695	160.0	
90 Hexachloropropene	213	5.514	5.512	0.002	89	1021139	163.0	
92 Quinoline	129	5.732	5.729	0.003	96	2768988	150.8	
93 N-Nitrosodi-n-butylamine	84	5.726	5.723	0.002	92	1023564	147.2	
95 p-Phenylene diamine	108	5.779	5.776	0.003	96	2209103	158.2	
98 Safrole, Total	162	5.926	5.923	0.003	89	1265393	156.7	
107 Isosafrole Peak 1	162	6.166	6.170	-0.004	89	228280	29.3	
111 Isosafrole Peak 2	104	6.360	6.358	0.002	92	338364	133.7	
115 1-Chloronaphthalene	162	6.460	6.458	0.002	96	2667128	150.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
117 1,4-Naphthoquinone	158	6.584	6.587	-0.003	80	907390	162.2	
118 1,4-Dinitrobenzene	168	6.631	6.634	0.003	91	496299	162.5	
129 Pentachlorobenzene	250	7.042	7.046	-0.004	96	1357016	155.5	
133 1-Naphthylamine	143	7.153	7.157	0.002	99	3000614	146.4	
137 2-Naphthylamine	143	7.218	7.222	0.002	89	3222908	154.8	
141 Thionazin	97	7.294	7.292	0.002	81	804648	154.9	
145 N-Nitro-o-toluidine	152	7.383	7.387	0.003	96	1037007	164.3	
149 Diphenylamine	169	7.447	7.451	0.002	90	2728679	151.3	
154 Sulfotepp	97	7.524	7.527	-0.003	88	578232	150.9	
158 Diallate Peak 1	86	7.659	7.657	0.002	92	1291200	130.1	
159 1,3,5-Trinitrobenzene	213	7.659	7.662	-0.003	70	344658	166.2	
160 Phorate	121	7.676	7.674	0.002	93	656171	152.9	
161 Phenacetin	108	7.694	7.698	-0.004	92	1741891	152.6	
163 Diallate Peak 2	86	7.741	7.739	0.002	92	227598	19.6	
166 Dimethoate	87	7.847	7.845	0.002	96	1318346	148.5	
170 4-Aminobiphenyl	169	7.994	7.991	0.002	82	3207370	143.3	
172 Pronamide	173	8.000	7.997	0.003	86	1228104	146.3	
173 Pentachloronitrobenzene	237	8.005	8.009	-0.004	82	407622	155.3	
174 Disulfoton	88	8.111	8.115	-0.004	97	1725282	148.8	
175 Dinoseb	211	8.123	8.121	0.002	97	853283	164.7	
180 Methyl parathion	109	8.452	8.450	0.002	94	1083965	150.7	
183 Ethyl Parathion	109	8.804	8.802	0.002	87	754709	165.9	
184 4-Nitroquinoline-1-oxide	190	8.922	8.926	-0.004	93	618001	165.1	
185 Methapyrilene	97	8.928	8.926	0.002	91	1480541	141.8	
187 Isodrin	193	9.204	9.208	-0.004	93	579634	160.6	
192 Aramite Peak 1	185	9.762	9.766	-0.004	95	196169	75.5	
193 Aramite Peak 2	185	9.874	9.878	-0.004	95	228780	96.5	
194 p-Dimethylamino azobenzene	120	10.079	10.083	-0.004	94	1665237	164.1	
195 Chlorobenzilate	251	10.121	10.118	0.003	92	1592355	165.7	
199 3,3'-Dimethylbenzidine	212	10.679	10.682	-0.003	96	3124193	166.1	
202 2-Acetylaminofluorene	181	11.184	11.194	-0.010	93	2271119	164.6	
204 4,4'-Methylene bis(2-chloroanili	231	11.830	11.834	-0.004	91	964722	175.5	
208 6-Methylchrysene	242	13.111	13.115	-0.004	98	3590822	166.4	
210 7,12-Dimethylbenz(a)anthracene	256	14.786	14.789	-0.003	85	2579209	175.7	
217 3-Methylcholanthrene	268	16.942	16.946	-0.004	71	2713886	166.2	
219 Dibenz[a,h]acridine	279	18.734	18.738	-0.004	66	4001584	167.6	
220 Dibenz[a,j]acridine	279	18.904	18.914	-0.010	100	4208967	175.2	
S 227 Aramite, Total	185				0		172.0	
S 228 Diallate	86				0		149.7	
S 229 Isosafrole	162				0		163.0	

QC Flag Legend

Review Flags
M - Manually Integrated

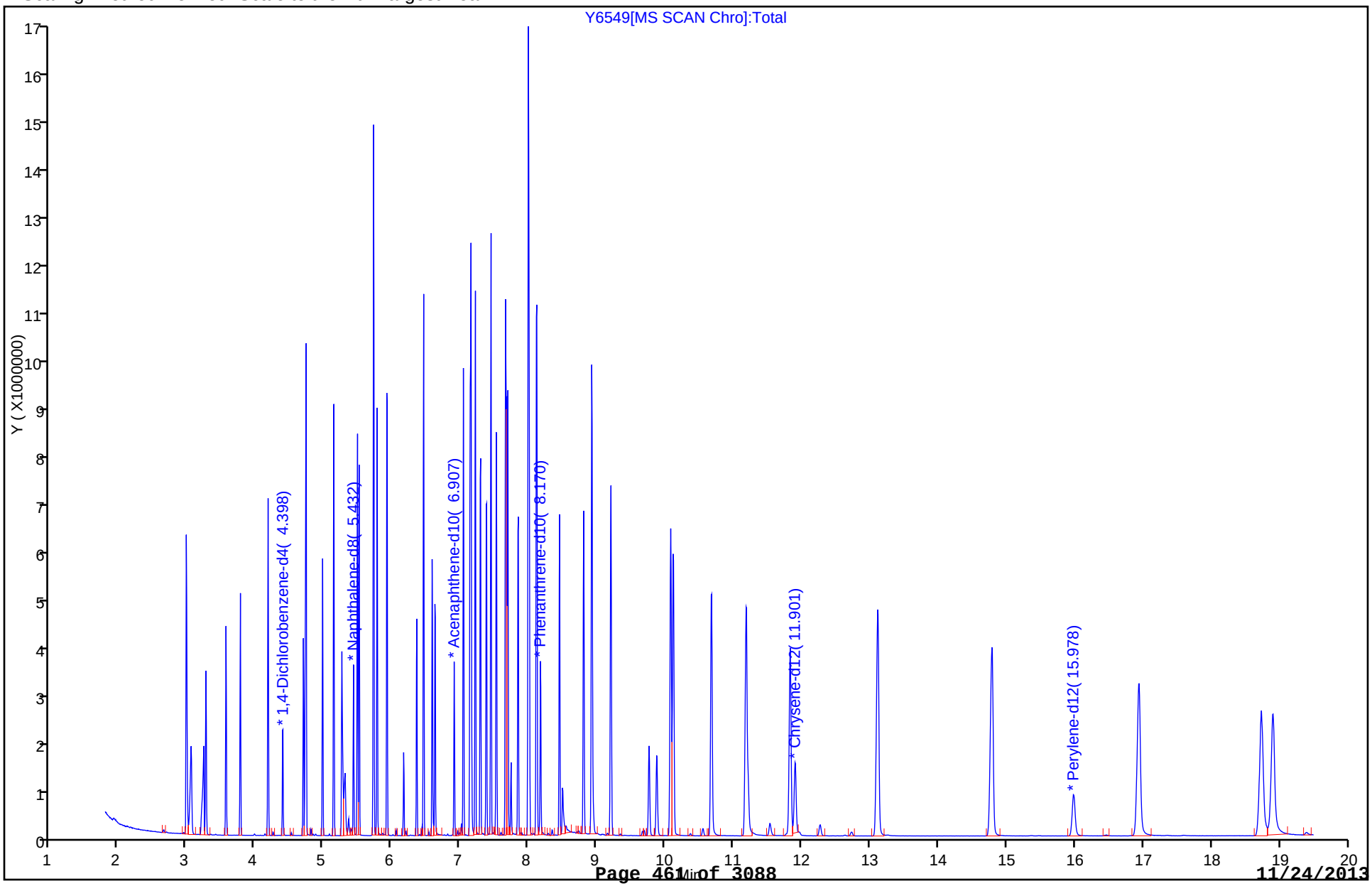
Report Date: 20-Sep-2013 13:49:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6549.D

Injection Date:	19-Sep-2013 09:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	3
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

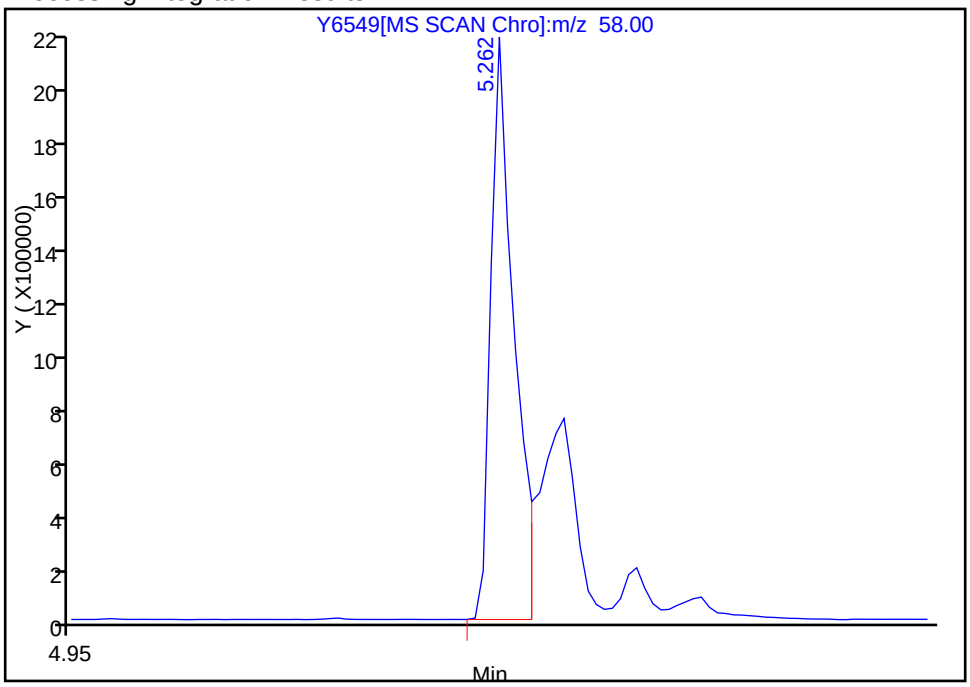
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6549.D		
Injection Date:	19-Sep-2013 09:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	3
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

81 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.26

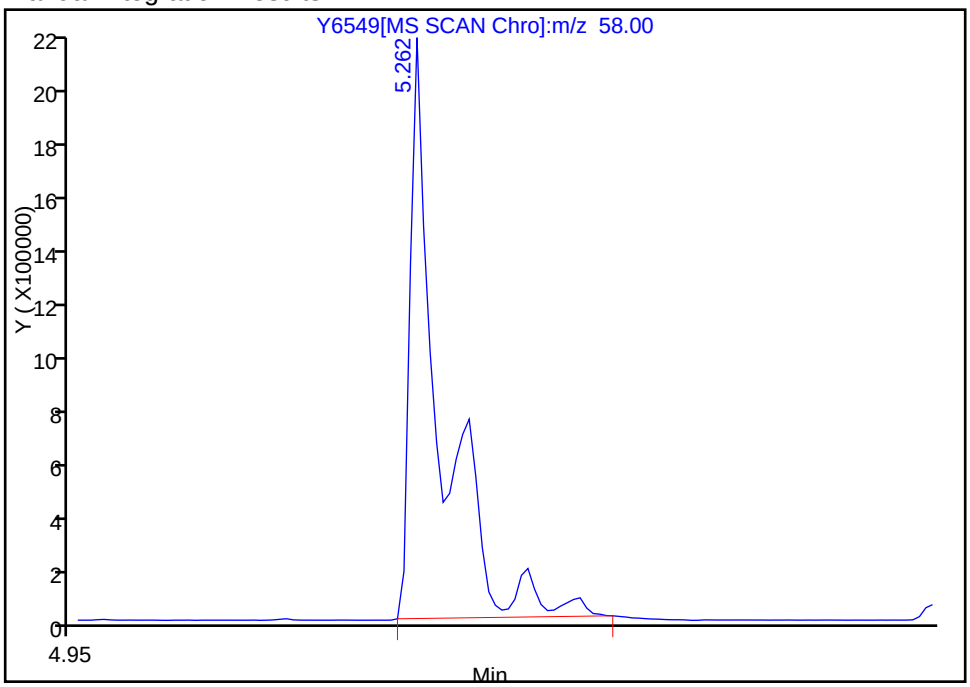
Processing Integration Results

RT: 5.26
Response: 2488388
Amount: 116.6968



Manual Integration Results

RT: 5.26
Response: 3955463
Amount: 163.5762



Reviewer: kellisonm, 19-Sep-2013 11:43:26
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6550.D
Lims ID: IC AP9120 Client ID:
Inject. Date: 19-Sep-2013 10:19:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: IC AP9A120
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 4
Lims Batch ID: 192194 Lims Sample ID: 4
Sublist: chrom-SMSY_8270C*sub15
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:25 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 11:44:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.398	4.396	0.002	97	302778	40.0	
* 2 Naphthalene-d8	136	5.432	5.430	0.002	100	1217709	40.0	
* 3 Acenaphthene-d10	164	6.906	6.905	0.001	92	714922	40.0	
* 4 Phenanthrene-d10	188	8.176	8.174	0.002	97	1202214	40.0	
* 5 Chrysene-d12	240	11.906	11.905	0.001	85	1262839	40.0	
* 6 Perylene-d12	264	15.984	15.982	0.002	98	1131049	40.0	
31 2-Picoline	93	2.982	2.980	0.002	95	1461272	116.2	
32 N-Nitrosomethylethylamine	88	3.052	3.050	0.002	90	683447	118.5	
33 Acrylamide	71	3.234	3.244	-0.010	78	600430	121.3	A
34 Methyl methanesulfonate	80	3.270	3.274	-0.004	88	867030	117.2	
35 N-Nitrosodiethylamine	102	3.563	3.567	-0.004	97	644536	117.5	
37 Ethyl methanesulfonate	79	3.775	3.773	0.002	98	1018970	117.8	
46 Pentachloroethane	117	4.180	4.178	0.002	90	455239	118.2	
62 N-Nitrosopyrrolidine	100	4.697	4.701	-0.004	92	701704	120.0	
64 N-Nitrosomorpholine	116	4.721	4.725	-0.004	93	277583	119.3	
65 2-Toluidine	106	4.738	4.736	0.001	86	1957357	117.5	
70 N-Nitrosopiperidine	114	4.979	4.977	0.002	84	647165	116.2	
76 o,o',o''-Triethylphosphorothioat	198	5.144	5.142	0.002	84	613010	118.0	
81 alpha,alpha-Dimethyl phenethylam	58	5.261	5.259	0.002	98	2958206	119.1	M
89 2,6-Dichlorophenol	162	5.490	5.489	0.001	97	954726	115.0	
90 Hexachloropropene	213	5.514	5.512	0.002	89	779736	121.2	
92 Quinoline	129	5.725	5.729	-0.004	96	2204785	119.5	
93 N-Nitrosodi-n-butylamine	84	5.725	5.723	0.001	89	801106	112.2	
95 p-Phenylene diamine	108	5.778	5.776	0.002	96	1703823	118.8	
98 Safrole, Total	162	5.925	5.923	0.002	87	956395	115.3	
107 Isosafrole Peak 1	162	6.172	6.170	0.002	91	167183	20.9	
111 Isosafrole Peak 2	104	6.360	6.358	0.002	91	257338	99.3	
115 1-Chloronaphthalene	162	6.460	6.458	0.002	96	2090028	114.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
117 1,4-Naphthoquinone	158	6.583	6.587	-0.004	79	713491	124.5	
118 1,4-Dinitrobenzene	168	6.630	6.634	0.002	90	374387	120.6	
129 Pentachlorobenzene	250	7.042	7.046	-0.004	96	1055198	118.1	
133 1-Naphthylamine	143	7.153	7.157	0.002	99	2379853	113.4	
137 2-Naphthylamine	143	7.218	7.222	0.002	89	2530804	118.3	
141 Thionazin	97	7.288	7.292	-0.004	81	629950	118.4	
145 N-Nitro-o-toluidine	152	7.376	7.387	-0.004	94	776575	120.1	
149 Diphenylamine	169	7.447	7.451	0.002	94	2137714	115.7	
154 Sulfotepp	97	7.523	7.527	-0.004	87	460769	117.4	
158 Diallate Peak 1	86	7.659	7.657	0.002	92	1021815	100.5	
159 1,3,5-Trinitrobenzene	213	7.659	7.662	-0.003	72	259510	123.6	
160 Phorate	121	7.676	7.674	0.002	95	515387	117.2	
161 Phenacetin	108	7.688	7.698	-0.010	90	1424904	121.8	
163 Diallate Peak 2	86	7.741	7.739	0.002	92	168372	14.2	
166 Dimethoate	87	7.841	7.845	-0.004	96	1046851	115.1	
170 4-Aminobiphenyl	169	7.993	7.991	0.001	82	2592336	113.0	
172 Pronamide	173	7.999	7.997	0.002	86	986177	114.7	
173 Pentachloronitrobenzene	237	8.005	8.009	-0.004	86	311862	115.9	
174 Disulfoton	88	8.111	8.115	-0.004	96	1361800	114.6	
175 Dinoseb	211	8.123	8.121	0.002	97	642236	122.3	
180 Methyl parathion	109	8.452	8.450	0.002	94	868965	117.9	
183 Ethyl Parathion	109	8.804	8.802	0.002	86	579427	124.3	
184 4-Nitroquinoline-1-oxide	190	8.922	8.926	-0.004	94	465854	122.8	
185 Methapyrilene	97	8.928	8.926	0.002	92	1226928	114.7	
187 Isodrin	193	9.204	9.208	-0.004	91	436189	117.9	
192 Aramite Peak 1	185	9.768	9.766	0.002	94	146595	55.8	
193 Aramite Peak 2	185	9.874	9.878	-0.004	95	171351	70.8	
194 p-Dimethylamino azobenzene	120	10.079	10.083	-0.004	94	1274430	123.0	
195 Chlorobenzilate	251	10.114	10.118	-0.004	90	1202497	122.5	
199 3,3'-Dimethylbenzidine	212	10.679	10.682	-0.004	96	2368629	123.3	
202 2-Acetylaminofluorene	181	11.184	11.194	-0.010	93	1699711	121.8	
204 4,4'-Methylene bis(2-chloroanili	231	11.830	11.834	-0.004	91	715811	127.5	
208 6-Methylchrysene	242	13.111	13.115	-0.004	98	2740237	124.4	
210 7,12-Dimethylbenz(a)anthracene	256	14.780	14.789	-0.009	87	1907488	126.3	
217 3-Methylcholanthrene	268	16.936	16.946	-0.010	70	1997168	120.1	
219 Dibenz[a,h]acridine	279	18.734	18.738	-0.004	64	2925246	120.3	
220 Dibenz[a,j]acridine	279	18.904	18.914	-0.010	100	3130530	126.6	
S 227 Aramite, Total	185				0		126.6	
S 228 Diallate	86				0		114.6	
S 229 Isosafrole	162				0		120.2	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

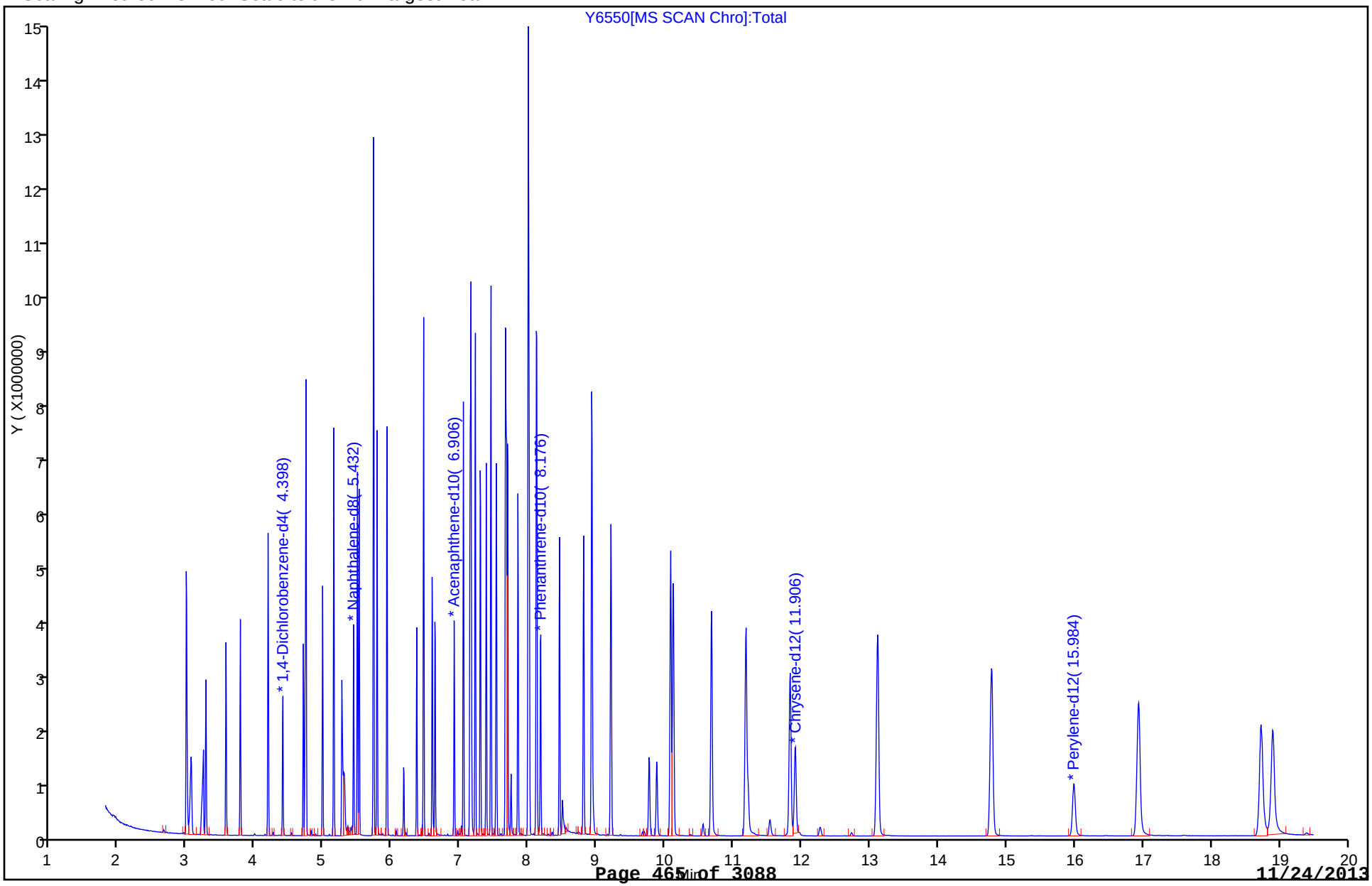
Report Date: 20-Sep-2013 13:49:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6550.D

Injection Date:	19-Sep-2013 10:19:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	4
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

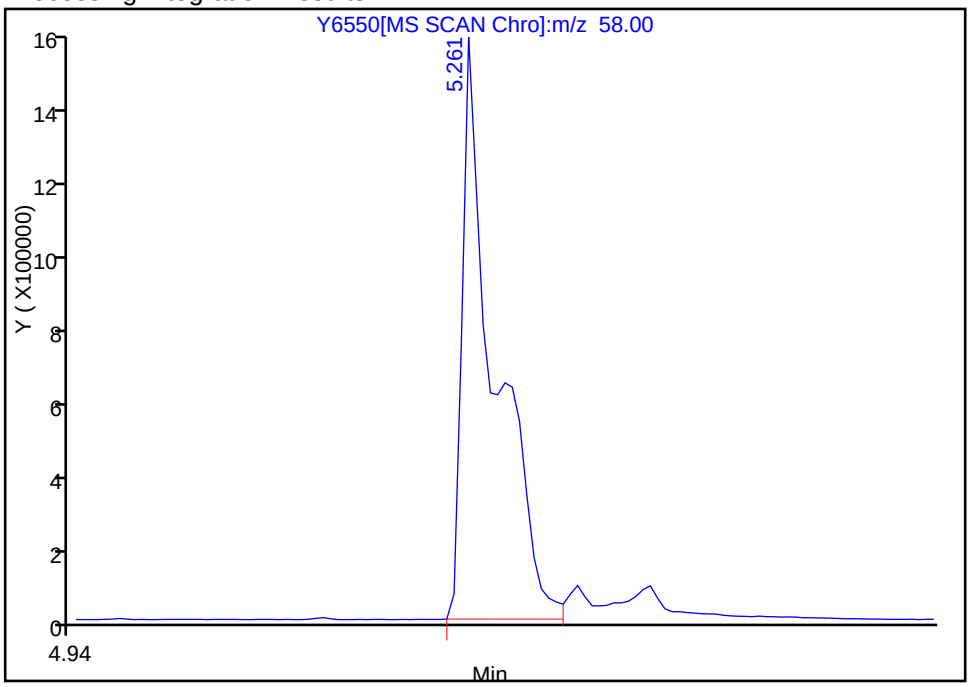
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6550.D		
Injection Date:	19-Sep-2013 10:19:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	4
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

81 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.26

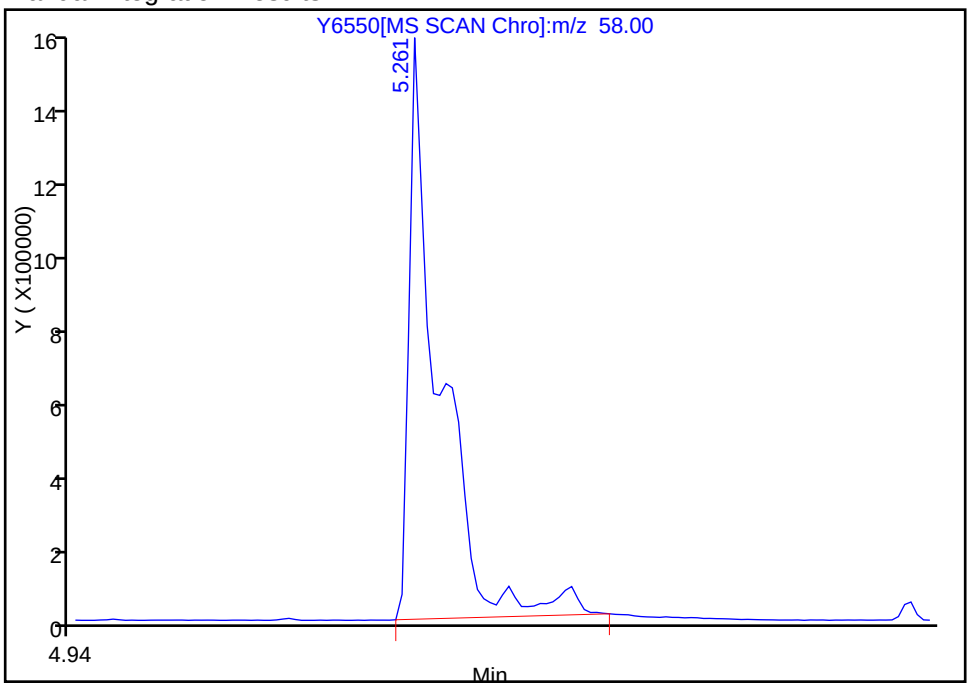
Processing Integration Results

RT: 5.26
Response: 2765746
Amount: 113.2926



Manual Integration Results

RT: 5.26
Response: 2958206
Amount: 119.1250



Reviewer: kellisonm, 19-Sep-2013 11:45:30
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6551.D
Lims ID: IC AP9080 Client ID:
Inject. Date: 19-Sep-2013 10:45:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: IC AP9A080
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 5
Lims Batch ID: 192194 Lims Sample ID: 5
Sublist: chrom-SMSY_8270C*sub15
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:25 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 11:45:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.397	4.396	0.001	98	298221	40.0	
* 2 Naphthalene-d8	136	5.431	5.430	0.001	100	1168796	40.0	
* 3 Acenaphthene-d10	164	6.906	6.905	0.001	91	686767	40.0	
* 4 Phenanthrene-d10	188	8.175	8.174	0.001	97	1178889	40.0	
* 5 Chrysene-d12	240	11.906	11.905	0.001	85	1226227	40.0	
* 6 Perylene-d12	264	15.983	15.982	0.001	98	1091131	40.0	
31 2-Picoline	93	2.987	2.980	0.007	95	983192	79.4	
32 N-Nitrosomethylethylamine	88	3.051	3.050	0.001	90	449253	79.1	
33 Acrylamide	71	3.222	3.244	-0.022	78	389055	79.8	A
34 Methyl methanesulfonate	80	3.269	3.274	-0.005	88	584852	80.2	
35 N-Nitrosodiethylamine	102	3.563	3.567	-0.004	97	425960	78.8	
37 Ethyl methanesulfonate	79	3.774	3.773	0.001	98	674976	79.2	
46 Pentachloroethane	117	4.179	4.178	0.001	90	306206	80.7	
62 N-Nitrosopyrrolidine	100	4.696	4.701	-0.005	92	464497	80.7	
64 N-Nitrosomorpholine	116	4.720	4.725	-0.005	88	183785	80.2	
65 2-Toluidine	106	4.738	4.736	0.001	86	1325598	80.8	
70 N-Nitrosopiperidine	114	4.979	4.977	0.002	84	432699	81.0	
76 o,o',o''-Triethylphosphorothioat	198	5.143	5.142	0.001	85	402564	80.8	
81 alpha,alpha-Dimethyl phenethylam	58	5.261	5.259	0.002	98	1871794	78.5	M
89 2,6-Dichlorophenol	162	5.490	5.489	0.001	97	636879	79.9	
90 Hexachloropropene	213	5.513	5.512	0.001	90	514096	83.3	
92 Quinoline	129	5.731	5.729	0.002	96	1548093	84.4	
93 N-Nitrosodi-n-butylamine	84	5.725	5.723	0.001	89	564893	82.4	
95 p-Phenylene diamine	108	5.778	5.776	0.002	97	1177951	85.6	
98 Safrole, Total	162	5.924	5.923	0.001	87	646638	81.2	
107 Isosafrole Peak 1	162	6.171	6.170	0.001	91	109676	14.3	
111 Isosafrole Peak 2	104	6.359	6.358	0.001	91	166790	67.0	
115 1-Chloronaphthalene	162	6.459	6.458	0.001	96	1419802	81.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
117 1,4-Naphthoquinone	158	6.588	6.587	0.001	84	474179	86.2	
118 1,4-Dinitrobenzene	168	6.630	6.634	0.002	90	241898	82.1	
129 Pentachlorobenzene	250	7.041	7.046	-0.005	95	691489	80.6	
133 1-Naphthylamine	143	7.152	7.157	0.001	99	1653718	82.0	
137 2-Naphthylamine	143	7.217	7.222	0.001	89	1731506	83.9	
141 Thionazin	97	7.288	7.292	-0.004	81	422534	82.7	
145 N-Nitro-o-toluidine	152	7.376	7.387	-0.004	93	514113	82.8	
149 Diphenylamine	169	7.446	7.451	0.001	90	1431588	80.7	
154 Sulfotepp	97	7.523	7.527	-0.004	85	308973	80.3	
158 Diallate Peak 1	86	7.658	7.657	0.001	91	697824	70.0	
159 1,3,5-Trinitrobenzene	213	7.658	7.662	-0.004	69	161674	80.6	
160 Phorate	121	7.675	7.674	0.001	95	349296	81.0	
161 Phenacetin	108	7.687	7.698	-0.011	90	920207	80.2	A
163 Diallate Peak 2	86	7.740	7.739	0.001	92	111330	9.55	
166 Dimethoate	87	7.840	7.845	-0.005	96	720394	80.8	
170 4-Aminobiphenyl	169	7.993	7.991	0.001	85	1823988	81.1	
172 Pronamide	173	7.999	7.997	0.001	83	696984	82.6	
173 Pentachloronitrobenzene	237	8.004	8.009	-0.005	84	216154	81.9	
174 Disulfoton	88	8.110	8.115	-0.005	96	939012	80.6	
175 Dinoseb	211	8.116	8.121	-0.005	91	403484	80.1	
180 Methyl parathion	109	8.451	8.450	0.001	93	596171	82.5	
183 Ethyl Parathion	109	8.803	8.802	0.001	86	387028	84.7	
184 4-Nitroquinoline-1-oxide	190	8.921	8.926	-0.005	93	296465	81.6	
185 Methapyrilene	97	8.927	8.926	0.001	91	853268	81.3	
187 Isodrin	193	9.203	9.208	-0.005	91	292703	80.7	
192 Aramite Peak 1	185	9.761	9.766	-0.005	94	93918	37.5	
193 Aramite Peak 2	185	9.879	9.878	0.001	95	108589	46.2	
194 p-Dimethylamino azobenzene	120	10.078	10.083	-0.005	93	843841	83.9	
195 Chlorobenzilate	251	10.120	10.118	0.002	90	786569	82.5	
199 3,3'-Dimethylbenzidine	212	10.678	10.682	-0.004	96	1553243	83.3	
202 2-Acetylaminofluorene	181	11.177	11.194	-0.017	93	1067780	80.4	
204 4,4'-Methylene bis(2-chloroanili	231	11.829	11.834	-0.005	93	459006	84.2	
208 6-Methylchrysene	242	13.110	13.115	-0.005	98	1761256	82.3	
210 7,12-Dimethylbenz(a)anthracene	256	14.779	14.789	-0.010	87	1211184	83.1	
217 3-Methylcholanthrene	268	16.935	16.946	-0.011	66	1238420	78.7	
219 Dibenz[a,h]acridine	279	18.727	18.738	-0.011	63	1810688	78.7	
220 Dibenz[a,j]acridine	279	18.892	18.914	-0.022	100	1985732	83.2	
S 227 Aramite, Total	185				0		83.7	
S 228 Diallate	86				0		79.5	
S 229 Isosafrole	162				0		81.3	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

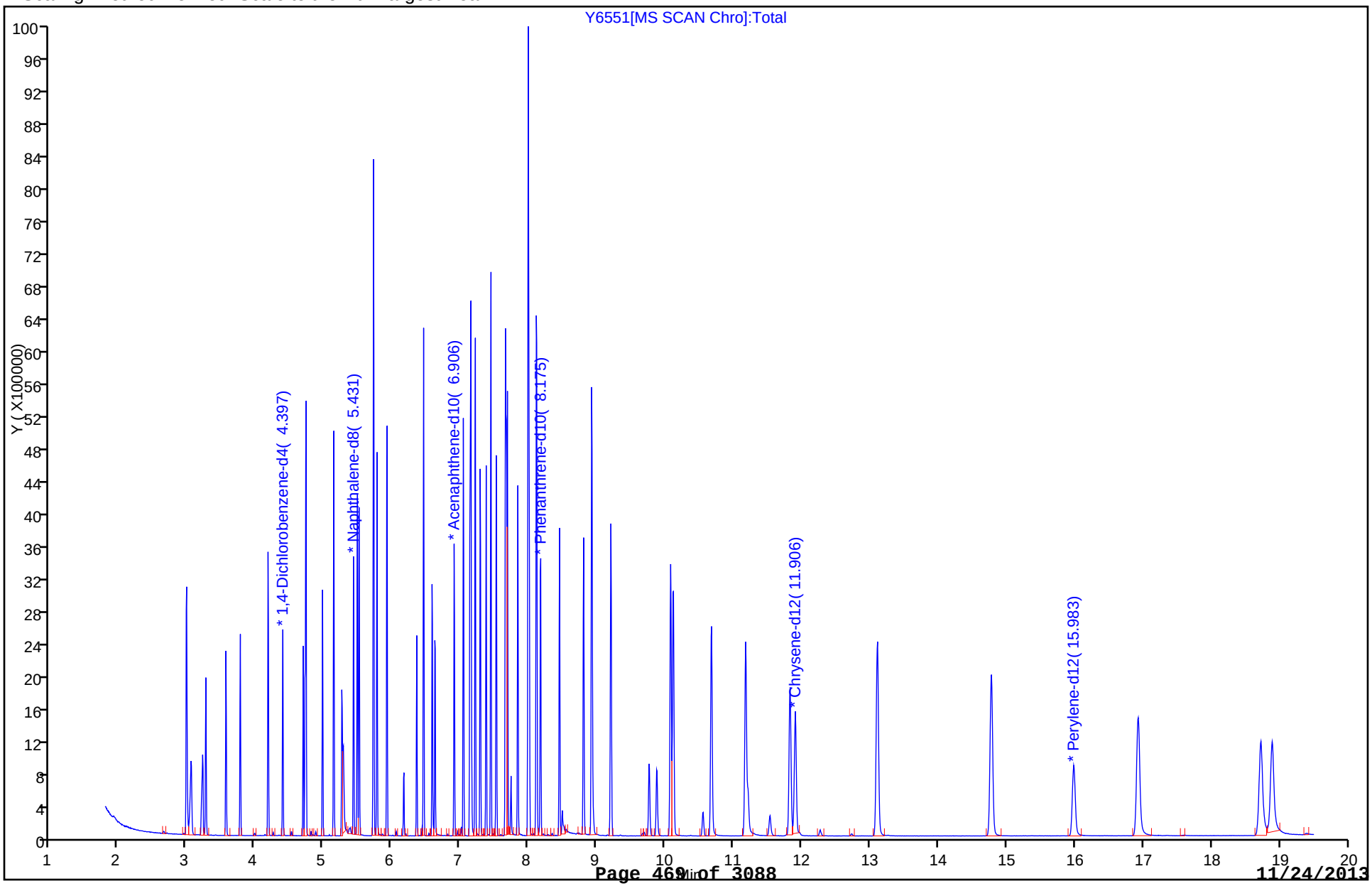
Report Date: 20-Sep-2013 13:49:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6551.D

Injection Date:	19-Sep-2013 10:45:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	5
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

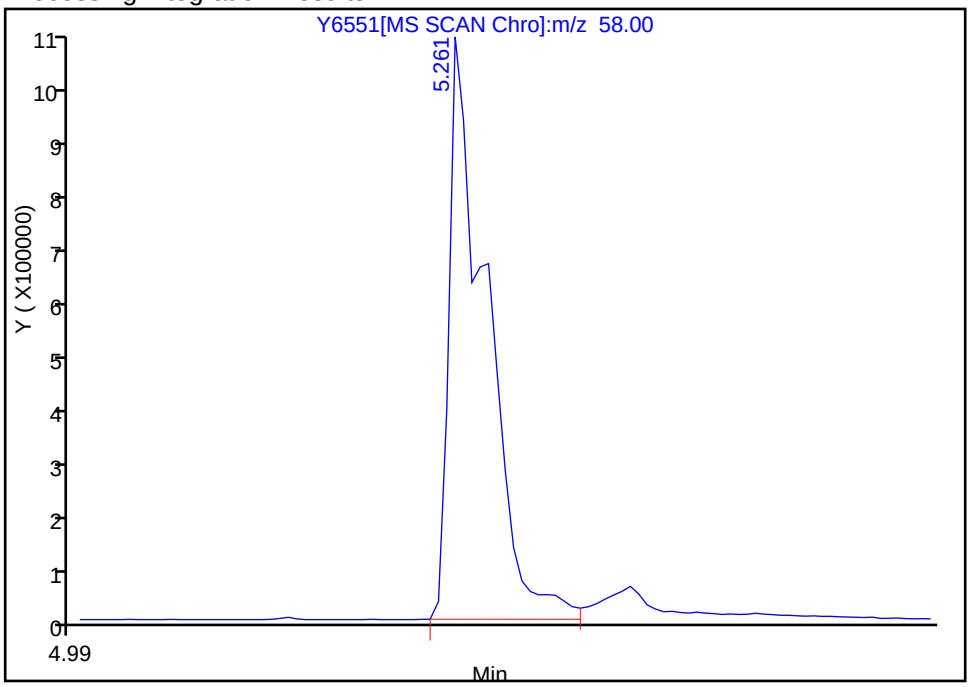
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6551.D		
Injection Date:	19-Sep-2013 10:45:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	5
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

81 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.26

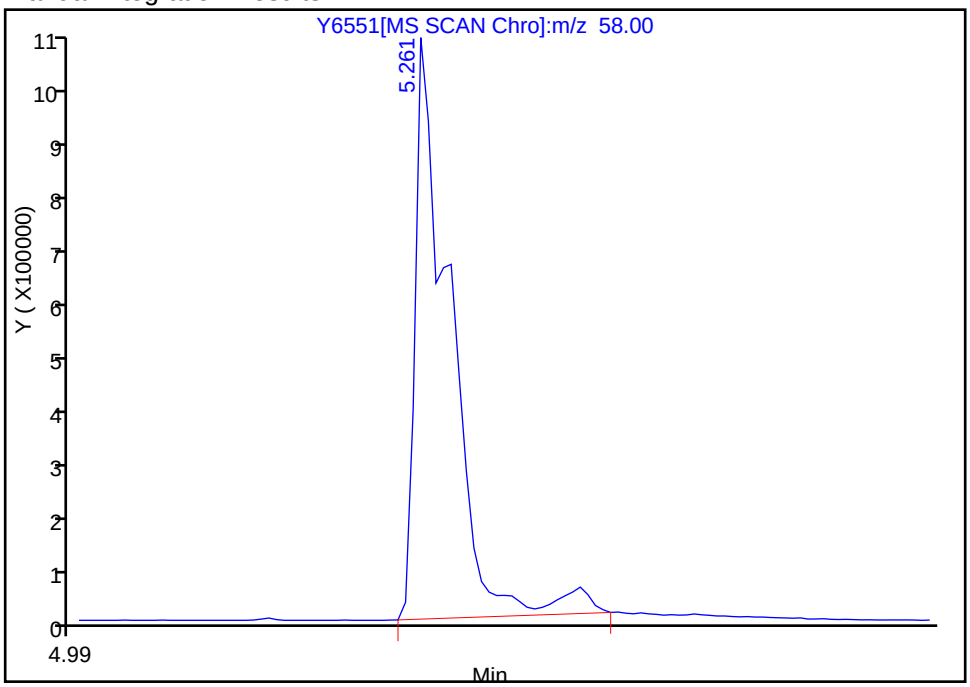
Processing Integration Results

RT: 5.26
Response: 1822598
Amount: 78.296762



Manual Integration Results

RT: 5.26
Response: 1871794
Amount: 78.530288



Reviewer: kellisonm, 19-Sep-2013 11:45:19
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

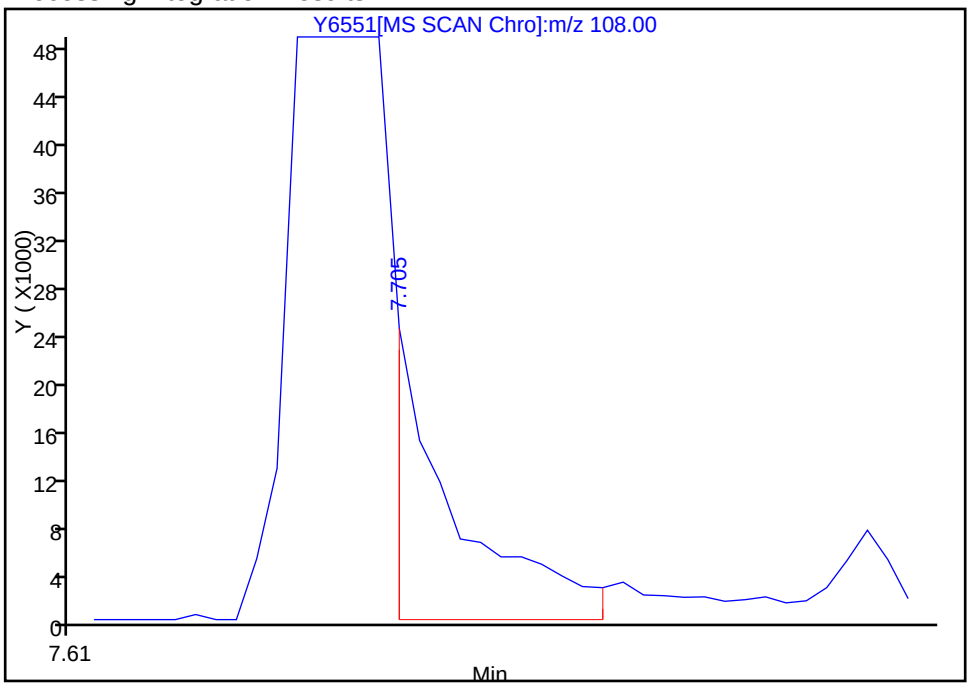
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6551.D		
Injection Date:	19-Sep-2013 10:45:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	5
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

161 Phenacetin, Signal: 1, m/z: 108.0 Type: quant, RT: 7.70

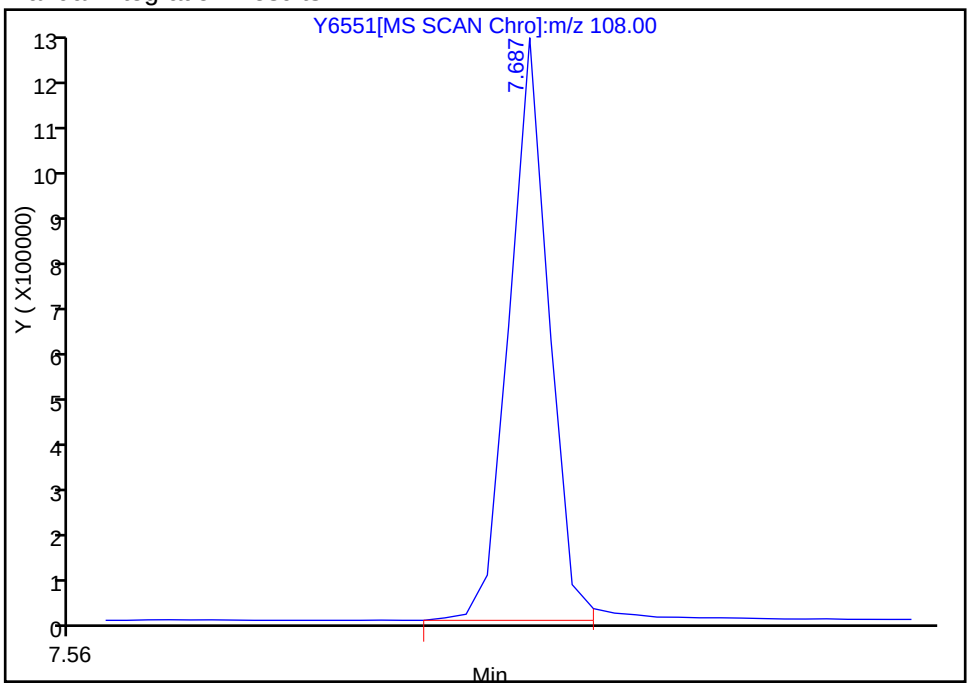
Processing Integration Results

RT: 7.70
Response: 31089
Amount: 3.144564



Manual Integration Results

RT: 7.69
Response: 920207
Amount: 80.197258



Reviewer: kellisonm, 19-Sep-2013 14:04:14
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6552.D
Lims ID: IC AP9050 Client ID:
Inject. Date: 19-Sep-2013 11:11:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: IC AP9A050
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 6
Lims Batch ID: 192194 Lims Sample ID: 6
Sublist: chrom-SMSY_8270C*sub15
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:26 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 13:29:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.397	4.396	0.001	97	298423	40.0	
* 2 Naphthalene-d8	136	5.431	5.430	0.001	100	1182401	40.0	
* 3 Acenaphthene-d10	164	6.906	6.905	0.001	91	692281	40.0	
* 4 Phenanthrene-d10	188	8.169	8.174	-0.005	97	1157179	40.0	
* 5 Chrysene-d12	240	11.906	11.905	0.001	85	1219967	40.0	
* 6 Perylene-d12	264	15.983	15.982	0.001	97	1086559	40.0	
31 2-Picoline	93	2.987	2.980	0.007	95	634465	51.2	
32 N-Nitrosomethylethylamine	88	3.052	3.050	0.002	86	286785	50.4	
33 Acrylamide	71	3.216	3.244	-0.028	76	245400	50.3	
34 Methyl methanesulfonate	80	3.269	3.274	-0.005	87	377176	51.7	
35 N-Nitrosodiethylamine	102	3.563	3.567	-0.004	97	279664	51.7	
37 Ethyl methanesulfonate	79	3.774	3.773	0.001	98	443700	52.0	
46 Pentachloroethane	117	4.180	4.178	0.002	89	198194	52.2	
62 N-Nitrosopyrrolidine	100	4.697	4.701	-0.004	94	302124	52.4	
64 N-Nitrosomorpholine	116	4.720	4.725	-0.005	88	117472	51.2	
65 2-Toluidine	106	4.732	4.736	-0.005	86	864498	52.7	
70 N-Nitrosopiperidine	114	4.979	4.977	0.002	84	278481	51.5	
76 o,o',o''-Triethylphosphorothioat	198	5.143	5.142	0.001	86	258261	51.2	
81 alpha,alpha-Dimethyl phenethylam	58	5.261	5.259	0.002	98	1192604	49.5	M
89 2,6-Dichlorophenol	162	5.490	5.489	0.001	98	414666	51.4	
90 Hexachloropropene	213	5.513	5.512	0.001	89	327814	52.5	
92 Quinoline	129	5.725	5.729	-0.004	96	1038454	55.7	
93 N-Nitrosodi-n-butylamine	84	5.725	5.723	0.001	85	371117	53.5	
95 p-Phenylene diamine	108	5.778	5.776	0.002	98	691380	49.6	
98 Safrole, Total	162	5.925	5.923	0.002	87	418669	52.0	
107 Isosafrole Peak 1	162	6.171	6.170	0.001	88	68709	8.89	
111 Isosafrole Peak 2	104	6.359	6.358	0.001	90	105976	42.2	
115 1-Chloronaphthalene	162	6.459	6.458	0.001	96	914016	51.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
117 1,4-Naphthoquinone	158	6.583	6.587	-0.004	78	298504	53.8	
118 1,4-Dinitrobenzene	168	6.630	6.634	0.002	90	144414	50.0	
129 Pentachlorobenzene	250	7.041	7.046	-0.005	95	443527	51.3	
133 1-Naphthylamine	143	7.153	7.157	0.002	98	1084560	53.4	
137 2-Naphthylamine	143	7.217	7.222	0.001	89	1128024	53.7	
141 Thionazin	97	7.288	7.292	-0.004	81	268340	52.1	
145 N-Nitro-o-toluidine	152	7.376	7.387	-0.004	94	331070	52.9	
149 Diphenylamine	169	7.446	7.451	0.001	91	945196	52.8	
154 Sulfotepp	97	7.523	7.527	-0.004	82	203378	53.8	
158 Diallate Peak 1	86	7.658	7.657	0.001	91	468971	47.9	
159 1,3,5-Trinitrobenzene	213	7.658	7.662	-0.004	66	93137	49.6	
160 Phorate	121	7.670	7.674	-0.004	92	224884	53.1	
161 Phenacetin	108	7.687	7.698	-0.011	92	604350	53.7	
163 Diallate Peak 2	86	7.740	7.739	0.001	92	66759	5.84	
166 Dimethoate	87	7.840	7.845	-0.005	96	481420	55.0	
170 4-Aminobiphenyl	169	7.987	7.991	-0.005	83	1213387	55.0	
172 Pronamide	173	7.993	7.997	-0.004	83	453369	54.8	
173 Pentachloronitrobenzene	237	8.005	8.009	-0.004	86	137701	53.2	
174 Disulfoton	88	8.110	8.115	-0.005	96	611482	53.5	
175 Dinoseb	211	8.116	8.121	-0.005	89	237190	49.9	
180 Methyl parathion	109	8.451	8.450	0.001	93	394815	55.7	
183 Ethyl Parathion	109	8.804	8.802	0.002	85	241982	53.9	
184 4-Nitroquinoline-1-oxide	190	8.921	8.926	-0.005	90	172881	50.6	
185 Methapyrilene	97	8.921	8.926	-0.005	92	565210	54.9	
187 Isodrin	193	9.203	9.208	-0.005	92	188418	52.9	
192 Aramite Peak 1	185	9.761	9.766	-0.005	93	53958	22.6	
193 Aramite Peak 2	185	9.873	9.878	-0.005	95	63843	27.3	
194 p-Dimethylamino azobenzene	120	10.079	10.083	-0.004	94	530343	53.0	
195 Chlorobenzilate	251	10.114	10.118	-0.004	88	491434	51.8	
199 3,3'-Dimethylbenzidine	212	10.678	10.682	-0.004	96	974781	52.5	
202 2-Acetylaminofluorene	181	11.171	11.194	-0.023	93	629316	49.5	
204 4,4'-Methylene bis(2-chloroanili	231	11.830	11.834	-0.004	93	284249	52.4	
208 6-Methylchrysene	242	13.105	13.115	-0.011	95	1109073	52.1	
210 7,12-Dimethylbenz(a)anthracene	256	14.773	14.789	-0.016	86	744004	51.3	
217 3-Methylcholanthrene	268	16.924	16.946	-0.022	70	736106	48.8	
219 Dibenz[a,h]acridine	279	18.721	18.738	-0.017	59	1068014	48.4	
220 Dibenz[a,j]acridine	279	18.892	18.914	-0.022	99	1199879	50.5	
S 227 Aramite, Total	185				0		49.9	
S 228 Diallate	86				0		53.7	
S 229 Isosafrole	162				0		51.1	

QC Flag Legend

Review Flags
M - Manually Integrated

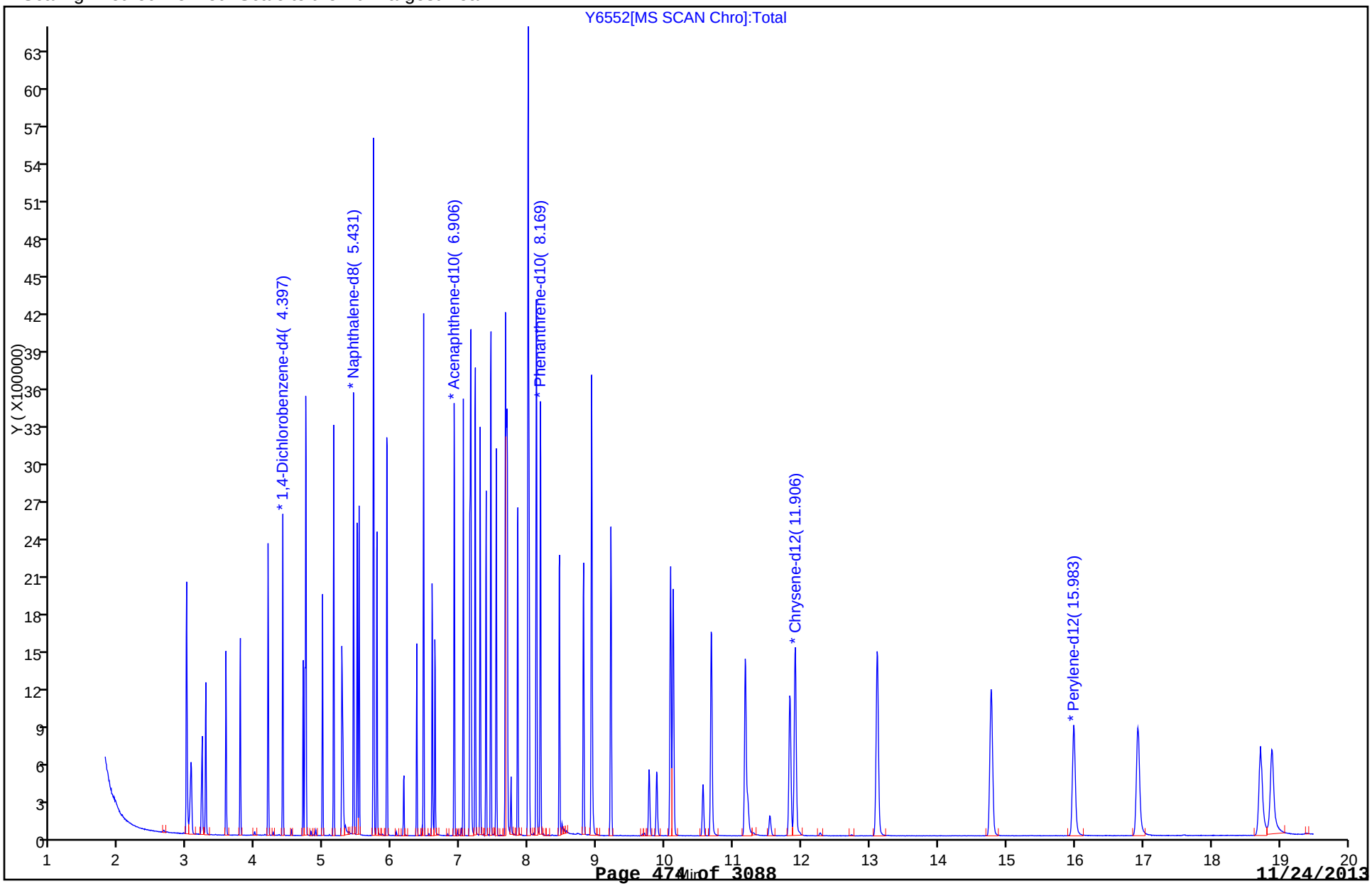
Report Date: 20-Sep-2013 13:49:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6552.D

Injection Date:	19-Sep-2013 11:11:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	6
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

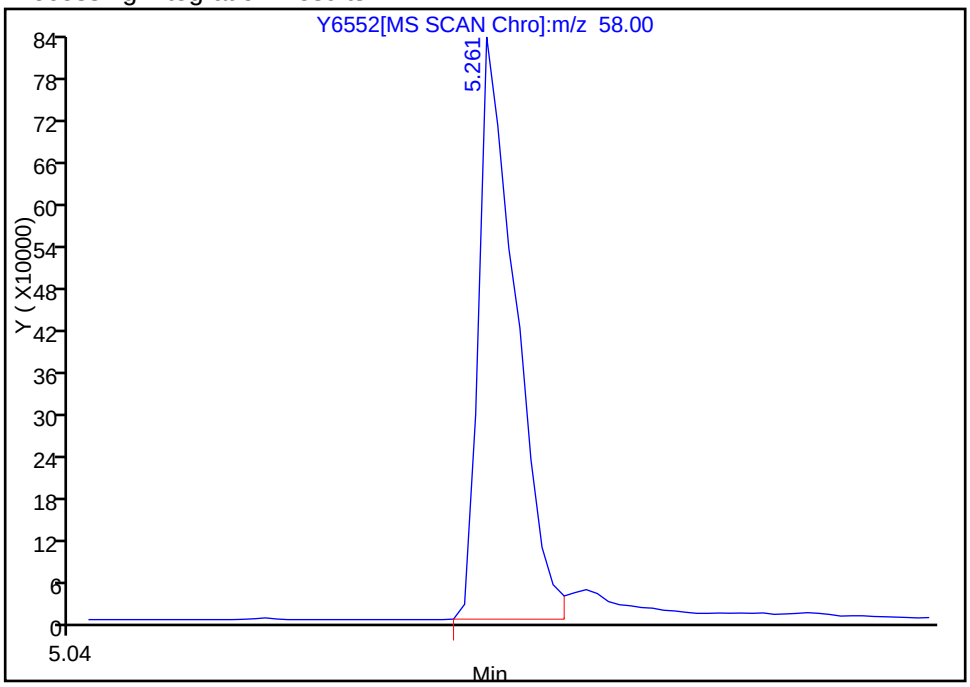
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6552.D		
Injection Date:	19-Sep-2013 11:11:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	6
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

81 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.26

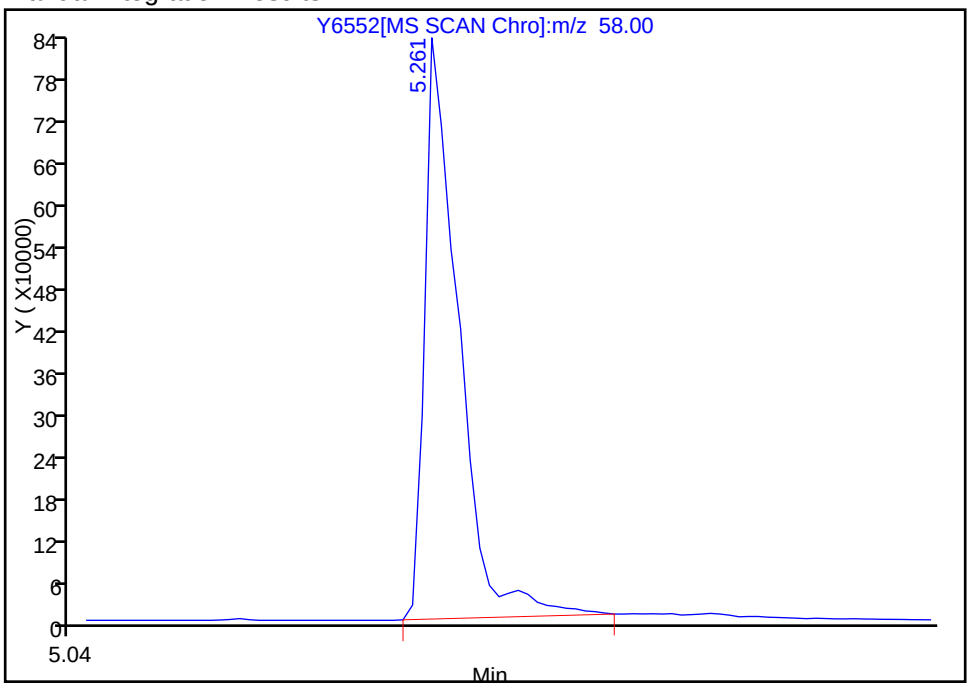
Processing Integration Results

RT: 5.26
Response: 1135850
Amount: 47.424687



Manual Integration Results

RT: 5.26
Response: 1192604
Amount: 49.459456



Reviewer: kellisonm, 19-Sep-2013 13:29:46
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6553.D
Lims ID: IC AP9020 Client ID:
Inject. Date: 19-Sep-2013 11:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: IC AP9A020
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 7
Lims Batch ID: 192194 Lims Sample ID: 7
Sublist: chrom-SMSY_8270C*sub15
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:27 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 13:30:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.397	4.396	0.001	97	289915	40.0	
* 2 Naphthalene-d8	136	5.431	5.430	0.001	100	1142887	40.0	
* 3 Acenaphthene-d10	164	6.911	6.905	0.006	91	659578	40.0	
* 4 Phenanthrene-d10	188	8.175	8.174	0.001	97	1130334	40.0	
* 5 Chrysene-d12	240	11.905	11.905	0.0	84	1187698	40.0	
* 6 Perylene-d12	264	15.989	15.982	0.007	98	1059474	40.0	
31 2-Picoline	93	2.987	2.980	0.007	95	251177	20.9	
32 N-Nitrosomethylethylamine	88	3.051	3.050	0.001	77	113158	20.5	
33 Acrylamide	71	3.204	3.244	-0.040	76	93901	19.8	
34 Methyl methanesulfonate	80	3.269	3.274	-0.005	87	149855	21.1	
35 N-Nitrosodiethylamine	102	3.562	3.567	-0.005	96	109656	20.9	
37 Ethyl methanesulfonate	79	3.774	3.773	0.001	98	172782	20.9	
46 Pentachloroethane	117	4.179	4.178	0.001	90	76563	20.8	
62 N-Nitrosopyrrolidine	100	4.696	4.701	-0.005	92	110244	19.7	
64 N-Nitrosomorpholine	116	4.720	4.725	-0.005	88	46379	20.8	
65 2-Toluidine	106	4.732	4.736	-0.005	93	340924	21.4	
70 N-Nitrosopiperidine	114	4.978	4.977	0.001	83	110064	21.1	
76 o,o',o''-Triethylphosphorothioat	198	5.143	5.142	0.001	87	101525	20.8	
81 alpha,alpha-Dimethyl phenethylam	58	5.266	5.259	0.007	97	471215	20.2	
89 2,6-Dichlorophenol	162	5.489	5.489	0.0	97	159043	20.4	
90 Hexachloropropene	213	5.513	5.512	0.001	92	117782	19.5	
92 Quinoline	129	5.730	5.729	0.001	97	413855	21.3	
93 N-Nitrosodi-n-butylamine	84	5.725	5.723	0.0	82	148876	22.2	
95 p-Phenylene diamine	108	5.777	5.776	0.001	97	269120	20.0	
98 Safrole, Total	162	5.924	5.923	0.001	87	162506	20.9	
107 Isosafrole Peak 1	162	6.171	6.170	0.001	85	26317	3.57	
111 Isosafrole Peak 2	104	6.359	6.358	0.001	91	40736	17.0	
115 1-Chloronaphthalene	162	6.459	6.458	0.001	96	360213	21.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
117 1,4-Naphthoquinone	158	6.588	6.587	0.001	79	103685	19.6	
118 1,4-Dinitrobenzene	168	6.629	6.634	0.001	90	48420	19.7	
129 Pentachlorobenzene	250	7.041	7.046	-0.005	95	168095	20.4	
133 1-Naphthylamine	143	7.152	7.157	0.001	98	427729	22.1	
137 2-Naphthylamine	143	7.217	7.222	0.001	95	444352	21.4	
141 Thionazin	97	7.287	7.292	-0.005	80	102784	20.9	
145 N-Nitro-o-toluidine	152	7.376	7.387	-0.004	95	120920	20.3	
149 Diphenylamine	169	7.446	7.451	0.001	95	371838	21.8	
154 Sulfotepp	97	7.522	7.527	-0.005	81	79009	21.4	
158 Diallate Peak 1	86	7.658	7.657	0.001	90	187074	19.6	
159 1,3,5-Trinitrobenzene	213	7.658	7.662	-0.004	59	26700	18.5	
160 Phorate	121	7.669	7.674	-0.005	90	89002	21.5	
161 Phenacetin	108	7.681	7.698	-0.017	91	227606	20.7	
163 Diallate Peak 2	86	7.740	7.739	0.001	83	26157	2.34	
166 Dimethoate	87	7.834	7.845	-0.011	96	189120	22.1	
170 4-Aminobiphenyl	169	7.987	7.991	-0.005	87	484890	22.5	
172 Pronamide	173	7.992	7.997	-0.005	75	180744	22.4	
173 Pentachloronitrobenzene	237	8.004	8.009	-0.005	83	53285	21.1	
174 Disulfoton	88	8.110	8.115	-0.005	93	246739	22.1	
175 Dinoseb	211	8.116	8.121	-0.005	85	73124	19.1	
180 Methyl parathion	109	8.451	8.450	0.001	92	150736	21.8	
183 Ethyl Parathion	109	8.803	8.802	0.001	84	85471	19.5	
184 4-Nitroquinoline-1-oxide	190	8.921	8.926	-0.005	78	49036	18.4	
185 Methapyrilene	97	8.921	8.926	-0.005	92	231636	23.0	
187 Isodrin	193	9.203	9.208	-0.005	91	69938	20.1	
192 Aramite Peak 1	185	9.767	9.766	0.001	87	17189	8.81	
193 Aramite Peak 2	185	9.873	9.878	-0.005	88	21834	9.59	
194 p-Dimethylamino azobenzene	120	10.078	10.083	-0.005	90	192150	19.7	
195 Chlorobenzilate	251	10.119	10.118	0.001	89	177680	19.3	
199 3,3'-Dimethylbenzidine	212	10.672	10.682	-0.010	97	354763	19.6	
202 2-Acetylaminofluorene	181	11.171	11.194	-0.023	93	201862	19.3	
204 4,4'-Methylene bis(2-chloroanili	231	11.823	11.834	-0.011	92	94074	17.8	
208 6-Methylchrysene	242	13.104	13.115	-0.011	97	388002	18.7	
210 7,12-Dimethylbenz(a)anthracene	256	14.773	14.789	-0.016	86	264195	18.7	
217 3-Methylcholanthrene	268	16.929	16.946	-0.017	69	240212	19.2	
219 Dibenz[a,h]acridine	279	18.721	18.738	-0.017	38	346695	19.0	
220 Dibenz[a,j]acridine	279	18.880	18.914	-0.034	98	416222	18.0	
S 227 Aramite, Total	185				0		18.4	
S 228 Diallate	86				0		21.9	
S 229 Isosafrole	162				0		20.6	

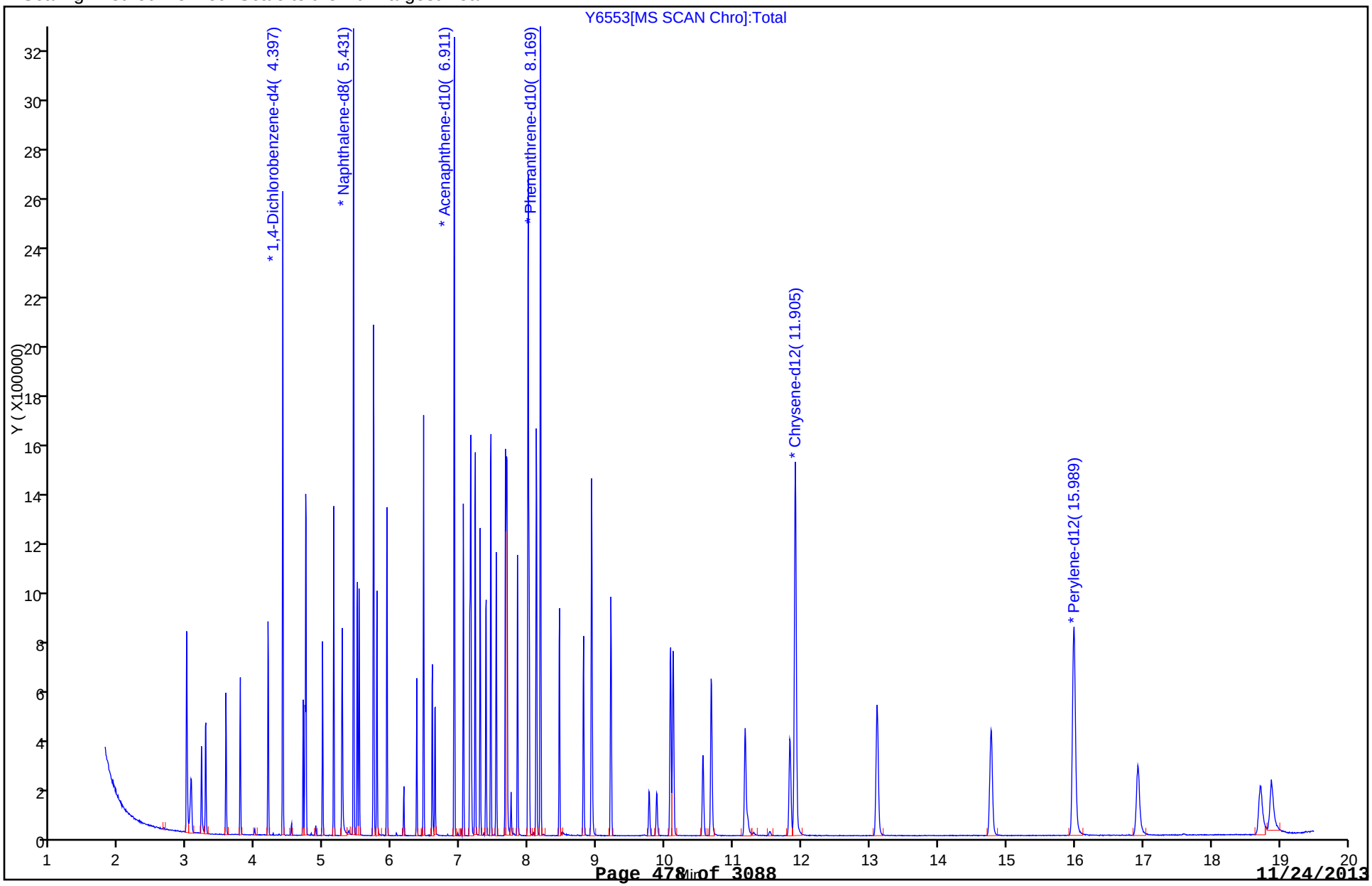
Report Date: 20-Sep-2013 13:49:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6553.D

Injection Date:	19-Sep-2013 11:37:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	7
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Lims ID: IC AP9010 Client ID:
Inject. Date: 19-Sep-2013 12:03:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: IC AP9A010
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 8
Lims Batch ID: 192194 Lims Sample ID: 8
Sublist: chrom-SMSY_8270C*sub15
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:27 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 13:31:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.396	4.396	0.0	98	280000	40.0	
* 2 Naphthalene-d8	136	5.430	5.430	0.0	100	1113870	40.0	
* 3 Acenaphthene-d10	164	6.911	6.905	0.006	91	647918	40.0	
* 4 Phenanthrene-d10	188	8.174	8.174	0.0	97	1093683	40.0	
* 5 Chrysene-d12	240	11.905	11.905	0.0	84	1122359	40.0	
* 6 Perylene-d12	264	15.988	15.982	0.006	98	991807	40.0	
31 2-Picoline	93	2.986	2.980	0.006	96	123395	10.6	
32 N-Nitrosomethylethylamine	88	3.056	3.050	0.006	79	55213	10.3	
33 Acrylamide	71	3.203	3.244	-0.041	77	44564	9.73	
34 Methyl methanesulfonate	80	3.268	3.274	-0.006	87	70775	10.3	
35 N-Nitrosodiethylamine	102	3.562	3.567	-0.005	97	52770	10.4	
37 Ethyl methanesulfonate	79	3.773	3.773	0.0	98	83996	10.5	
46 Pentachloroethane	117	4.184	4.178	0.006	89	36439	10.2	
62 N-Nitrosopyrrolidine	100	4.696	4.701	-0.005	93	54910	10.2	
64 N-Nitrosomorpholine	116	4.719	4.725	-0.006	89	22378	10.4	
65 2-Toluidine	106	4.737	4.736	0.0	92	163598	10.6	
70 N-Nitrosopiperidine	114	4.978	4.977	0.001	79	52215	10.3	
76 o,o',o''-Triethylphosphorothioat	198	5.142	5.142	0.0	89	47977	10.1	
81 alpha,alpha-Dimethyl phenethylam	58	5.265	5.259	0.006	97	227845	10.0	
89 2,6-Dichlorophenol	162	5.489	5.489	0.0	96	77645	10.2	
90 Hexachloropropene	213	5.518	5.512	0.006	89	55707	9.47	
92 Quinoline	129	5.730	5.729	0.001	96	203073	9.49	
93 N-Nitrosodi-n-butylamine	84	5.724	5.723	0.0	83	70716	10.8	
95 p-Phenylene diamine	108	5.777	5.776	0.001	98	136739	10.4	
98 Safrole, Total	162	5.923	5.923	0.0	85	79211	10.4	
107 Isosafrole Peak 1	162	6.170	6.170	0.0	74	11197	1.55	
111 Isosafrole Peak 2	104	6.358	6.358	0.0	88	18479	7.87	
115 1-Chloronaphthalene	162	6.458	6.458	0.0	97	179911	10.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
117 1,4-Naphthoquinone	158	6.587	6.587	0.0	82	45232	8.71	
118 1,4-Dinitrobenzene	168	6.629	6.634	0.001	86	19793	10.1	
129 Pentachlorobenzene	250	7.046	7.046	0.0	95	85804	10.6	
133 1-Naphthylamine	143	7.151	7.157	0.0	98	206758	10.9	
137 2-Naphthylamine	143	7.216	7.222	0.0	88	209910	9.53	
141 Thionazin	97	7.287	7.292	-0.005	79	48509	10.1	
145 N-Nitro-o-toluidine	152	7.375	7.387	-0.005	93	52220	8.91	
149 Diphenylamine	169	7.445	7.451	0.0	90	176378	10.5	
154 Sulfotepp	97	7.522	7.527	-0.005	79	37584	10.5	
158 Diallate Peak 1	86	7.657	7.657	0.0	90	87534	9.46	
159 1,3,5-Trinitrobenzene	213	7.657	7.662	-0.005	46	9517	10.3	
160 Phorate	121	7.674	7.674	0.0	84	40685	10.2	
161 Phenacetin	108	7.680	7.698	-0.018	89	102648	9.64	
163 Diallate Peak 2	86	7.739	7.739	0.0	72	12356	1.14	
166 Dimethoate	87	7.833	7.845	-0.012	95	87773	10.6	
170 4-Aminobiphenyl	169	7.992	7.991	0.0	83	225412	10.8	
172 Pronamide	173	7.992	7.997	-0.005	73	81000	10.4	
173 Pentachloronitrobenzene	237	8.003	8.009	-0.006	81	24619	10.1	
174 Disulfoton	88	8.109	8.115	-0.006	93	114632	10.6	
175 Dinoseb	211	8.115	8.121	-0.006	87	26462	10.2	
180 Methyl parathion	109	8.450	8.450	0.0	89	65130	9.71	
183 Ethyl Parathion	109	8.802	8.802	0.0	78	35092	8.28	
184 4-Nitroquinoline-1-oxide	190	8.920	8.926	-0.006	67	18267	10.3	
185 Methapyrilene	97	8.920	8.926	-0.006	95	107291	11.0	
187 Isodrin	193	9.202	9.208	-0.006	90	33421	9.93	
192 Aramite Peak 1	185	9.766	9.766	0.0	65	6291	4.71	
193 Aramite Peak 2	185	9.878	9.878	0.0	65	8357	3.88	
194 p-Dimethylamino azobenzene	120	10.077	10.083	-0.006	92	78964	8.57	
195 Chlorobenzilate	251	10.113	10.118	-0.005	84	77785	8.92	
199 3,3'-Dimethylbenzidine	212	10.677	10.682	-0.005	91	149597	8.76	
202 2-Acetylaminofluorene	181	11.170	11.194	-0.024	89	72587	10.2	
204 4,4'-Methylene bis(2-chloroanili	231	11.822	11.834	-0.012	90	38938	7.81	
208 6-Methylchrysene	242	13.103	13.115	-0.012	95	174684	8.92	
210 7,12-Dimethylbenz(a)anthracene	256	14.766	14.789	-0.023	80	103518	7.81	
217 3-Methylcholanthrene	268	16.922	16.946	-0.024	62	88734	10.2	
219 Dibenz[a,h]acridine	279	18.720	18.738	-0.018	1	131454	10.3	A
220 Dibenz[a,j]acridine	279	18.885	18.914	-0.029	97	177396	8.18	M
S 227 Aramite, Total	185				0		8.60	
S 228 Diallate	86				0		10.6	
S 229 Isosafrole	162				0		9.41	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

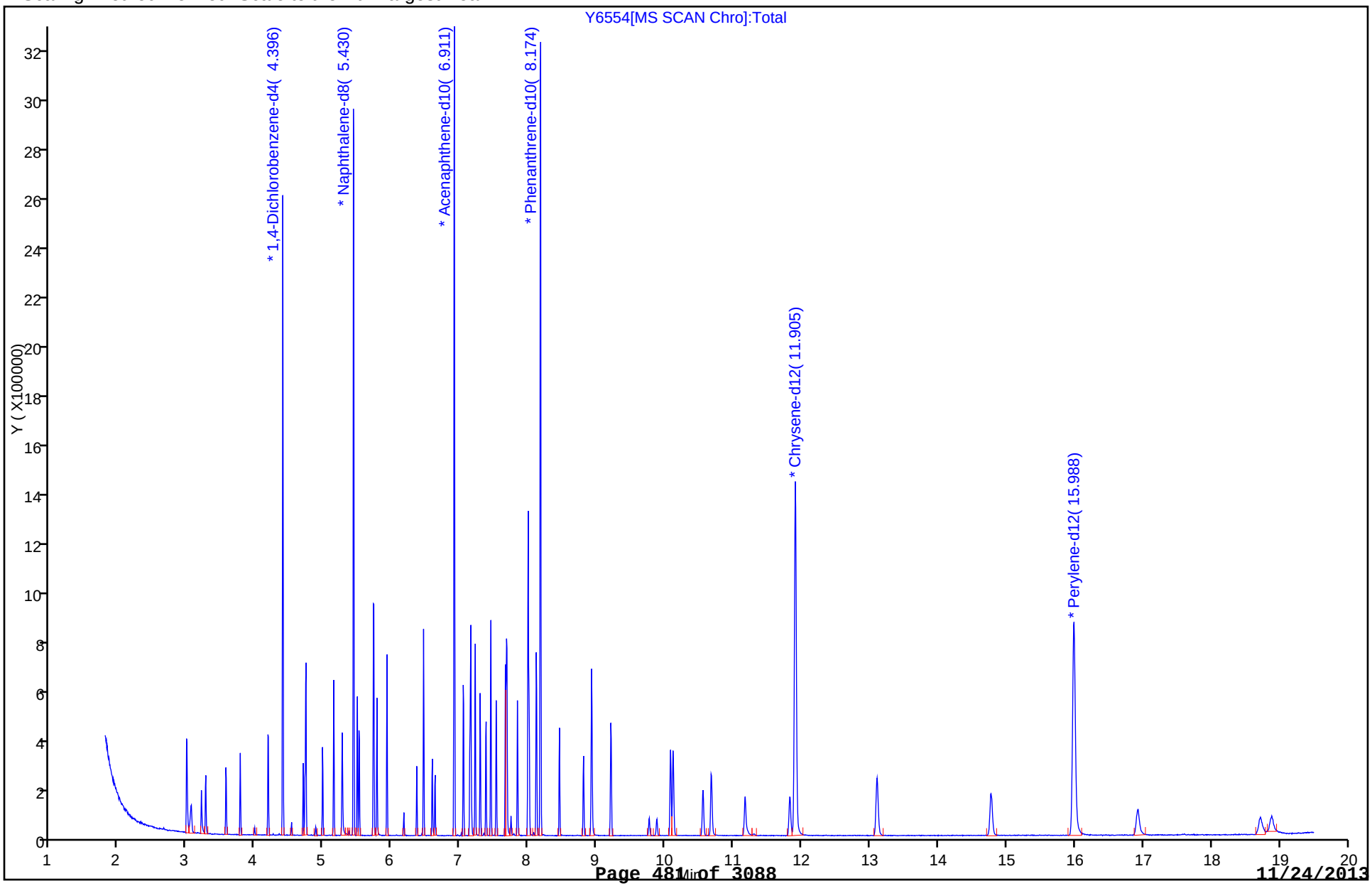
Report Date: 20-Sep-2013 13:49:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D

Injection Date:	19-Sep-2013 12:03:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	8
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-194745/9	Y6824.D
Level 2	IC 280-194745/8	Y6823.D
Level 3	IC 280-194745/7	Y6822.D
Level 4	IC 280-194745/6	Y6821.D
Level 5	ICIS 280-194745/5	Y6820.D
Level 6	IC 280-194745/4	Y6819.D
Level 7	IC 280-194745/3	Y6818.D
Level 8	IC 280-194745/2	Y6817.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.8158 0.6406	0.7108 0.6629	0.7070 0.6419	0.7043	0.6567	Ave		0.6925				8.3		15.0			
N-Nitrosodimethylamine	1.0357 0.9681	0.9931 0.9819	1.0415 0.9609	1.0262	0.9888	Ave		0.9995				3.1		15.0			
Pyridine	1.8666 1.6922	1.7335 1.7103	1.7568 1.6649	1.7478	1.7204	Ave		1.7366				3.5		15.0			
Phenol	2.0841 1.8390	2.0561 1.8442	2.0689 1.7609	1.9958	1.9228	Ave		1.9465				6.3		15.0			
Aniline	2.7494 2.3129	2.6111 2.3631	2.6244 2.2782	2.4766	2.5143	Ave		2.4912				6.7		15.0			
Bis(2-chloroethyl)ether	1.6257 1.4487	1.4943 1.3961	1.5338 1.3353	1.5614	1.4284	Lin2	0.8163	1.4318							0.9970		0.9900
2-Chlorophenol	1.6241 1.4886	1.5955 1.4938	1.6106 1.4402	1.5874	1.5331	Ave		1.5467				4.4		15.0			
1,3-Dichlorobenzene	1.8461 1.5513	1.6583 1.5646	1.6964 1.4931	1.6583	1.6097	Ave		1.6347				6.6		15.0			
1,4-Dichlorobenzene	1.8690 1.5652	1.7159 1.5769	1.7111 1.5138	1.7055	1.6259	Ave		1.6604				6.8		15.0			
Benzyl alcohol	1.0633 1.0158	1.0364 1.0374	1.0709 1.0087	1.0857	1.0496	Ave		1.0460				2.5		15.0			
1,2-Dichlorobenzene	1.7376 1.4951	1.6220 1.5071	1.6617 1.4485	1.6303	1.5438	Ave		1.5808				6.2		15.0			
2-Methylphenol	1.5148 1.4351	1.5179 1.4248	1.5604 1.3782	1.5064	1.4587	Ave		1.4745				4.1		15.0			
2,2'-oxybis[1-chloropropane]	1.7716 1.5923	1.7309 1.6047	1.7590 1.5479	1.7188	1.6539	Ave		1.6724				5.0		15.0			
3 & 4 Methylphenol	1.6008 1.4570	1.5755 1.4509	1.5961 1.3943	1.5871	1.5186	Ave		1.5225				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Methylphenol	1.6008 1.4570	1.5755 1.4509	1.5961 1.3943	1.5871	1.5186	Ave		1.5225				5.2		15.0			
N-Nitrosodi-n-propylamine	1.2530 1.0777	1.1553 1.0872	1.1760 1.0351	1.1525	1.1242	Ave		1.1326			0.0500	6.0		15.0			
Acetophenone	2.3657 2.0761	2.2343 2.0763	2.2537 1.9555	2.2182	2.1471	Ave		2.1659				5.9		15.0			
Hexachloroethane	0.7079 0.6473	0.7135 0.6594	0.6940 0.6310	0.6897	0.6813	Ave		0.6780				4.3		15.0			
Nitrobenzene	0.4559 0.3961	0.4260 0.4009	0.4300 0.3799	0.4296	0.4121	Ave		0.4163				5.7		15.0			
Isophorone	0.7716 0.6850	0.7515 0.6927	0.7494 0.6623	0.7417	0.7098	Ave		0.7205				5.3		15.0			
2,4-Dimethylphenol	0.4219 0.3602	0.4055 0.3612	0.4094 0.3395	0.3944	0.3828	Ave		0.3843				7.4		15.0			
2-Nitrophenol	0.2031 0.1914	0.2019 0.1895	0.2014 0.1769	0.2087	0.2001	Ave		0.1966				5.2		15.0			
Benzoic acid	0.2603 0.3179	0.2813 0.3287	0.3008 0.3206	0.3202	0.3152	Lin2	-0.529	0.3206							0.9990		0.9900
Bis(2-chloroethoxy)methane	0.4956 0.4130	0.4522 0.4149	0.4600 0.3917	0.4494	0.4251	Ave		0.4377				7.5		15.0			
2,4-Dichlorophenol	0.3277 0.2970	0.3080 0.3020	0.3195 0.2913	0.3157	0.3038	Ave		0.3081				3.9		15.0			
1,2,4-Trichlorobenzene	0.3540 0.3094	0.3399 0.3137	0.3336 0.3038	0.3338	0.3185	Ave		0.3258				5.3		15.0			
Naphthalene	1.1885 0.9829	1.1251 0.9875	1.1147 0.9171	1.0985	1.0360	Lin2	0.8318	1.0093							0.9960		0.9900
4-Chloroaniline	0.5252 0.4545	0.4983 0.4632	0.5048 0.4397	0.4948	0.4753	Ave		0.4820				6.0		15.0			
Hexachlorobutadiene	0.1935 0.1758	0.1840 0.1810	0.1934 0.1740	0.1891	0.1823	Ave		0.1841				4.0		15.0			
Caprolactam	0.1490 0.1585	0.1576 0.1624	0.1544 0.1530	0.1607	0.1533	Ave		0.1561				2.9		15.0			
4-Chloro-3-methylphenol	0.3544 0.3281	0.3507 0.3324	0.3486 0.3164	0.3465	0.3368	Ave		0.3392				3.9		15.0			
2-Methylnaphthalene	0.8222 0.6710	0.7664 0.6653	0.7453 0.6267	0.7437	0.6976	Lin2	0.6314	0.6816							0.9970		0.9900
1-Methylnaphthalene	0.7567 0.6262	0.6964 0.6296	0.6947 0.5882	0.6861	0.6603	Lin2	0.5175	0.6380							0.9970		0.9900
Hexachlorocyclopentadiene	0.3270 0.3659	0.3173 0.3724	0.3435 0.3592	0.3628	0.3676	Ave		0.3520			0.0500	5.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.3392 0.2878	0.3154 0.2921	0.3126 0.2800	0.3080	0.2994	Ave		0.3043				6.2		15.0			
2,4,6-Trichlorophenol	0.3865 0.3507	0.3640 0.3528	0.3650 0.3392	0.3666	0.3574	Ave		0.3603				3.9		15.0			
2,4,5-Trichlorophenol	0.3918 0.3732	0.3831 0.3786	0.3862 0.3663	0.3840	0.3851	Ave		0.3810				2.1		15.0			
1,1'-Biphenyl	1.7412 1.4141	1.5878 1.3658	1.6024 1.2963	1.5380	1.4692	Ave		1.5018				9.6		15.0			
2-Chloronaphthalene	1.2630 1.0820	1.1636 1.0709	1.1695 1.0312	1.1562	1.1399	Ave		1.1345				6.4		15.0			
2-Nitroaniline	0.3926 0.3783	0.3867 0.3761	0.4067 0.3677	0.4047	0.3911	Ave		0.3880				3.5		15.0			
Dimethyl phthalate	1.4176 1.2356	1.3306 1.2196	1.3303 1.1665	1.3157	1.2799	Ave		1.2870				6.1		15.0			
1,3-Dinitrobenzene	0.1918 0.2228	0.2015 0.2241	0.2192 0.2207	0.2259	0.2277	Ave		0.2167				6.0		15.0			
2,6-Dinitrotoluene	0.3096 0.2950	0.3062 0.2954	0.3170 0.2865	0.3073	0.3006	Ave		0.3022				3.2		15.0			
Acenaphthylene	1.9889 1.7230	1.8889 1.6669	1.9179 1.5692	1.8630	1.7965	Ave		1.8018				7.8		15.0			
3-Nitroaniline	0.3828 0.3727	0.3752 0.3773	0.3984 0.3708	0.3910	0.3787	Ave		0.3808				2.5		15.0			
Acenaphthene	1.2999 1.0714	1.1795 1.0457	1.2042 0.9884	1.1665	1.1184	Ave		1.1343				8.7		15.0			
2,4-Dinitrophenol	0.0889 0.1933	0.1280 0.1983	0.1627 0.1937	0.1905	0.1876	Lin2	-0.908	0.1935			0.0500				0.9970		0.9900
4-Nitrophenol	0.2280 0.2285	0.2346 0.2227	0.2394 0.2180	0.2371	0.2342	Ave		0.2303			0.0500	3.2		15.0			
2,4-Dinitrotoluene	0.4074 0.3963	0.3942 0.4027	0.4121 0.3864	0.4139	0.4096	Ave		0.4028				2.4		15.0			
Dibenzofuran	1.8082 1.4879	1.6726 1.4654	1.6749 1.4090	1.6254	1.5679	Ave		1.5889				8.3		15.0			
2,3,4,6-Tetrachlorophenol	0.3108 0.3064	0.3084 0.3113	0.3111 0.3000	0.3209	0.3151	Ave		0.3105				2.0		15.0			
Diethyl phthalate	1.4252 1.2066	1.2866 1.1973	1.3278 1.1259	1.3047	1.2648	Ave		1.2673				7.2		15.0			
4-Chlorophenyl phenyl ether	0.6633 0.5885	0.6285 0.5901	0.6233 0.5655	0.6190	0.6086	Ave		0.6108				4.9		15.0			
Fluorene	1.4646 1.2451	1.3853 1.2348	1.3957 1.1619	1.3435	1.3038	Ave		1.3168				7.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Nitroaniline	0.4040 0.3592	0.3893 0.3529	0.3966 0.3324	0.3858	0.3824	Ave		0.3753				6.6		15.0			
4,6-Dinitro-2-methylphenol	0.1082 0.1508	0.1235 0.1543	0.1353 0.1470	0.1532	0.1522	Ave		0.1406				12.0		15.0			
N-Nitrosodiphenylamine	0.6251 0.5537	0.5927 0.5611	0.5827 0.5321	0.5919	0.5699	Ave		0.5761				4.9		15.0			
1,2-Diphenylhydrazine	1.6331 1.3572	1.5002 1.3245	1.5355 1.2445	1.4928	1.4129	Ave		1.4376				8.8		15.0			
Azobenzene	1.6511 1.3721	1.5167 1.3391	1.5524 1.2581	1.5092	1.4284	Ave		1.4534				8.8		15.0			
4-Bromophenyl phenyl ether	0.2568 0.2206	0.2241 0.2247	0.2261 0.2164	0.2323	0.2213	Ave		0.2278				5.5		15.0			
Hexachlorobenzene	0.2632 0.2425	0.2464 0.2480	0.2388 0.2399	0.2514	0.2459	Ave		0.2470				3.1		15.0			
Atrazine	0.2133 0.1958	0.2078 0.1915	0.2107 0.1811	0.2090	0.1986	Ave		0.2010				5.6		15.0			
Pentachlorophenol	0.1038 0.1454	0.1175 0.1481	0.1242 0.1514	0.1445	0.1484	Lin1	-0.521	0.1501							0.9990		0.9900
Phenanthrene	1.2994 1.0641	1.1627 1.0440	1.1765 0.9852	1.1781	1.1123	Ave		1.1278				8.7		15.0			
Anthracene	1.3072 1.1046	1.2268 1.0874	1.2227 1.0253	1.2028	1.1560	Ave		1.1666				7.8		15.0			
Carbazole	1.2282 1.0322	1.1321 1.0236	1.1374 0.9690	1.1422	1.0812	Ave		1.0932				7.6		15.0			
Alachlor	0.1506 0.1517	0.1549 0.1522	0.1522 0.1462	0.1612	0.1544	Ave		0.1529				2.8		15.0			
Di-n-butyl phthalate	1.3092 1.2333	1.3094 1.2113	1.3226 1.1497	1.3413	1.2818	Ave		1.2698				5.2		15.0			
Fluoranthene	1.2471 1.1532	1.2340 1.1536	1.2277 1.1002	1.2525	1.1877	Ave		1.1945				4.6		15.0			
Benzidine	0.6431 0.6628	0.6858 0.6584	0.7197 0.6252	0.7381	0.6876	Lin2	-0.097	0.6831							0.9960		0.9900
Pyrene	1.2992 1.1602	1.2287 1.1903	1.2366 1.1381	1.2395	1.1986	Ave		1.2114				4.2		15.0			
Famphur	0.4184 0.3937	0.4310 0.3857	0.4471 0.3692	0.4436	0.4207	Qua	0.0860	0.4483	0						1.0000		0.9900
Butyl benzyl phthalate	0.5459 0.5597	0.5404 0.5758	0.5591 0.5573	0.5717	0.5682	Ave		0.5598				2.2		15.0			
Bis(2-ethylhexyl) phthalate	0.6409 0.7385	0.6913 0.7656	0.7131 0.7463	0.7522	0.7525	Ave		0.7250				5.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3,3'-Dichlorobenzidine	0.3926 0.4421	0.4369 0.4546	0.4446 0.4415	0.4603	0.4456	Ave		0.4398				4.7		15.0			
Benzo[a]anthracene	1.1695 1.0791	1.1255 1.1099	1.1244 1.0791	1.1220	1.0991	Ave		1.1136				2.6		15.0			
Chrysene	1.0921 1.0041	1.0698 1.0341	1.0670 1.0020	1.0604	1.0214	Ave		1.0439				3.2		15.0			
Di-n-octyl phthalate	0.9157 1.2568	1.0486 1.3038	1.1500 1.2655	1.2574	1.2446	Ave		1.1803				11.0		15.0			
Benzo[b]fluoranthene	1.1382 1.1233	1.0936 1.1710	1.1211 1.1331	1.1849	1.1129	Ave		1.1348				2.7		15.0			
Benzo[k]fluoranthene	1.2191 1.2065	1.1521 1.2232	1.2143 1.1911	1.2302	1.2131	Ave		1.2062				2.1		15.0			
Benzo[a]pyrene	1.0667 1.1260	1.0626 1.1654	1.1122 1.1295	1.1774	1.1240	Ave		1.1205				3.6		15.0			
Indeno[1,2,3-cd]pyrene	0.8371 0.9649	0.9032 1.0067	0.9242 0.9691	0.9825	0.9659	Ave		0.9442				5.7		15.0			
Dibenz(a,h)anthracene	0.9929 1.0749	0.9512 1.1034	1.0025 1.0759	1.0732	1.0394	Ave		1.0392				5.0		15.0			
Benzo[g,h,i]perylene	1.1186 1.0988	1.0532 1.1397	1.0857 1.0829	1.1448	1.1006	Ave		1.1030				2.8		15.0			
2-Fluorophenol (Surr)	1.5802 1.4103	1.4694 1.4332	1.5149 1.3836	1.4973	1.4622	Ave		1.4689				4.3		15.0			
Phenol-d5 (Surr)	1.9984 1.8162	1.9869 1.8216	1.9524 1.7369	1.9394	1.8659	Ave		1.8897				5.0		15.0			
Nitrobenzene-d5 (Surr)	0.4353 0.4056	0.4402 0.4175	0.4308 0.3955	0.4349	0.4161	Ave		0.4220				3.8		15.0			
2-Fluorobiphenyl	1.4421 1.2078	1.3115 1.1912	1.3349 1.1338	1.2975	1.2527	Ave		1.2714				7.6		15.0			
2,4,6-Tribromophenol (Surr)	0.2029 0.2049	0.1921 0.2120	0.2037 0.2089	0.2118	0.2083	Ave		0.2056				3.1		15.0			
Terphenyl-d14 (Surr)	0.8398 0.7876	0.8099 0.8029	0.8277 0.7798	0.8232	0.8021	Ave		0.8091				2.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-194745/9	Y6824.D
Level 2	IC 280-194745/8	Y6823.D
Level 3	IC 280-194745/7	Y6822.D
Level 4	IC 280-194745/6	Y6821.D
Level 5	ICIS 280-194745/5	Y6820.D
Level 6	IC 280-194745/4	Y6819.D
Level 7	IC 280-194745/3	Y6818.D
Level 8	IC 280-194745/2	Y6817.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	21092 478908	46860 669796	83206 819542	210499	323045	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	26776 723828	65468 992046	122571 1226973	306691	486429	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	48256 1265186	114282 1727985	206762 2125847	522347	846311	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	53880 1374900	135549 1863260	243490 2248438	596469	945865	4.00 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	71079 1729205	172136 2387539	308868 2908903	740169	1236855	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Lin2	42028 1083142	98512 1410513	180520 1704930	466653	702677	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	41987 1112921	105183 1509242	189551 1838874	474428	754164	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	47728 1159818	109325 1580807	199657 1906445	495606	791866	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	48320 1170221	113117 1593246	201386 1932901	509707	799804	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	27490 759480	68323 1048158	126033 1287993	324466	516299	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	44923 1117823	106928 1522675	195572 1849526	487235	759443	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	39161 1072925	100066 1439568	183653 1759719	450205	717578	4.00 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	45802 1190502	114107 1621326	207018 1976444	513681	813574	4.00 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	41385 1089287	103866 1465907	187854 1780302	474326	747049	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Methylphenol	DCB	Ave	41385 1089287	103866 1465907	187854 1780302	474326	747049	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	32393 805706	76164 1098480	138411 1321694	344439	553032	4.00 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	61159 1552221	147298 2097750	265241 2496861	662936	1056182	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	18300 483936	47035 666246	81676 805639	206129	335139	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	47087 1199566	112537 1631898	205045 1971306	516153	821254	4.00 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	79698 2074604	198539 2819838	357338 3436715	891121	1414440	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	43577 1090804	107138 1470308	195226 1761479	473824	762789	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	20980 579772	53342 771289	96049 917804	250761	398862	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Lin2	53775 1925627	148664 2675614	286903 3327106	769399	1256288	8.00 240	20.0 320	40.0 400	100	160
Bis(2-chloroethoxy)methane	NPT	Ave	51197 1250724	119473 1689053	219340 2032692	539900	847154	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	33852 899493	81362 1229436	152337 1511653	379268	605489	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	36563 936893	89791 1277013	159083 1576430	401003	634653	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Lin2	122763 2976682	297248 4019701	531550 4758722	1319798	2064548	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	54254 1376478	131649 1885566	240694 2281497	594510	947114	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	19992 532502	48604 736759	92234 902683	227234	363230	4.00 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	15390 479901	41651 661209	73606 794096	193110	305542	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	36609 993703	92656 1353029	166216 1641647	416336	671085	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylnaphthalene	NPT	Lin2	84929 2032281	202472 2708001	355416 3252209	893555	1390243	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Lin2	78159 1896523	184001 2562725	331253 3052439	824350	1315768	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	19021 633463	48275 882952	93054 1072082	252975	418471	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4,5-Tetrachlorobenzene	NPT	Ave	35038 871765	83324 1189205	149067 1452744	370101	596656	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	22481 607142	55379 836414	98882 1012453	255621	406925	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	22785 646169	58293 897493	104610 1093441	267737	438390	4.00 120	10.0 160	20.0 200	50.0	80.0
1,1'-Biphenyl	ANT	Ave	101267 2448391	241583 3237920	434072 3869457	1072285	1672689	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chloronaphthalene	ANT	Ave	73454 1873423	177037 2538796	316806 3077915	806078	1297763	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	22834 654992	58842 891540	110168 1097417	282190	445289	4.00 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	82448 2139334	202457 2891458	360341 3481951	917308	1457146	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dinitrobenzene	ANT	Ave	11156 385788	30661 531181	59367 658719	157529	259268	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	18009 510816	46589 700284	85873 855058	214255	342205	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthylene	ANT	Ave	115674 2983235	287392 3951750	519528 4683785	1298885	2045361	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	22263 645362	57081 894445	107923 1106670	272577	431102	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	75605 1855027	179467 2479046	326197 2950392	813271	1273315	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin2	10339 669547	38962 940037	88127 1156086	265649	427085	8.00 240	20.0 320	40.0 400	100	160
4-Nitrophenol	ANT	Ave	26518 791108	71376 1056139	129696 1301665	330623	533295	8.00 240	20.0 320	40.0 400	100	160
2,4-Dinitrotoluene	ANT	Ave	23694 686118	59985 954604	111642 1153343	288601	466318	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	105166 2576213	254493 3474134	453688 4205717	1133251	1785118	4.00 120	10.0 160	20.0 200	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	18075 530452	46922 737996	84282 895570	223738	358747	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	82890 2089128	195751 2838455	359667 3360676	909648	1440009	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	38575 1019013	95629 1398970	168830 1687958	431600	692890	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	85183 2155921	210778 2927360	378075 3468099	936689	1484409	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	23495 621975	59226 836565	107422 992097	268979	435370	4.00 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	21169 856068	62292 1191208	123856 1426978	347644	574104	8.00 240	20.0 320	40.0 400	100	160
N-Nitrosodiphenylamine	PHN	Ave	61145 1571952	149432 2166221	266797 2582360	671677	1074694	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Diphenylhydrazine	ANT	Ave	96027 2375672	230765 3174618	420514 3755332	1052199	1626225	4.04 121	10.1 162	20.2 202	50.5	80.9
Azobenzene	ANT	Ave	96027 2375672	230765 3174618	420514 3755332	1052199	1626225	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	25118 626242	56509 867756	103532 1050166	263590	417258	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	25747 688500	62131 957484	109341 1164349	285287	463724	4.00 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	20867 555924	52385 739373	96461 879020	237196	374570	4.00 120	10.0 160	20.0 200	50.0	80.0
Pentachlorophenol	PHN	Lin1	20298 825579	59259 1143940	113710 1469296	327856	559657	8.00 240	20.0 320	40.0 400	100	160
Phenanthrene	PHN	Ave	127105 3021264	293128 4031034	538670 4781498	1336935	2097585	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	127868 3136059	309281 4198336	559817 4976068	1364932	2180101	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	120141 2930468	285417 3952100	520749 4702456	1296110	2039001	4.00 120	10.0 160	20.0 200	50.0	80.0
Alachlor	PHN	Ave	14735 430741	39063 587622	69668 709556	182969	291140	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	128066 3501483	330106 4676649	605546 5579576	1522071	2417227	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	121986 3273976	311095 4453881	562094 5339488	1421280	2239795	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Lin2	64907 1939279	178102 2579406	337916 3069468	875306	1338634	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	131114 3394574	319109 4663143	580579 5588045	1469921	2333455	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Qua	42224 1151821	111938 1511167	209902 1812856	526030	819036	4.00 120	10.0 160	20.0 200	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	55094 1637438	140346 2255995	262496 2736059	677976	1106255	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	64677 2160624	179542 2999518	334813 3664296	892009	1464977	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	39625 1293596	113466 1780830	208733 2167940	545896	867582	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	118025 3157086	292294 4348370	527912 5298178	1330539	2139785	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	110218 2937741	277834 4051325	500967 4919892	1257577	1988468	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Ave	92419 3677007	272339 5107893	539929 6213560	1491163	2422950	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48651-1 Analy Batch No.: 194745

SDG No.:

Instrument ID: SMS_Y GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2013 12:06 Calibration End Date: 10/07/2013 15:17 Calibration ID: 15854

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[b]fluoranthene	PRY	Ave	106993 3027978	270820 4248903	497674 5170573	1288571	2007838	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	114600 3252180	285306 4438391	539019 5435407	1337799	2188601	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	100273 3035185	263139 4228708	493704 5154443	1280386	2027908	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Ave	84486 2823100	234556 3943926	433904 4758007	1165158	1880476	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	93335 2897556	235552 4003825	444997 4909510	1167049	1875372	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	105147 2961924	260827 4135550	481934 4941770	1244887	1985709	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorophenol (Surr)	DCB	Ave	40853 1054437	96868 1447994	178288 1766661	447478	719298	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol-d5 (Surr)	DCB	Ave	51663 1357856	130985 1840395	229783 2217723	579627	917858	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene-d5 (Surr)	NPT	Ave	44969 1228252	116301 1699627	205445 2052282	522517	829129	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	83874 2091227	199549 2824046	361607 3384159	904586	1426230	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	11798 354835	29226 502610	55176 623480	147644	237121	4.00 120	10.0 160	20.0 200	50.0	80.0
Terphenyl-d14 (Surr)	CRY	Ave	84757 2304328	210330 3145501	388619 3828861	976213	1561623	4.00 120	10.0 160	20.0 200	50.0	80.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6817.D
Lims ID: IC HSL200 Client ID:
Inject. Date: 07-Oct-2013 12:06:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: IC HSLA200
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 194745 Lims Sample ID: 2
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:27 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:06:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.366	4.370	-0.004	97	255368	40.0	
* 2 Naphthalene-d8	136	5.406	5.410	-0.004	100	1037805	40.0	
* 3 Acenaphthene-d10	164	6.881	6.879	0.002	91	596980	40.0	
* 4 Phenanthrene-d10	188	8.138	8.142	-0.004	97	970617	40.0	
* 5 Chrysene-d12	240	11.834	11.832	0.002	83	981986	40.0	
* 6 Perylene-d12	264	15.870	15.880	-0.010	97	912662	40.0	
$ 7 2-Fluorophenol	112	3.338	3.336	0.002	91	1766661	188.4	
$ 8 Phenol-d5	99	4.037	4.035	0.002	93	2217723	183.8	
$ 9 Nitrobenzene-d5	82	4.819	4.817	0.002	88	2052282	187.4	
$ 11 2-Fluorobiphenyl	172	6.287	6.286	0.001	99	3384159	178.3	
$ 12 2,4,6-Tribromophenol	330	7.551	7.549	0.002	92	623480	203.2	
$ 13 Terphenyl-d14	244	9.807	9.811	-0.004	98	3828861	192.8	
27 1,4-Dioxane	88	2.104	2.114	-0.010	92	819542	185.4	
28 N-Nitrosodimethylamine	74	2.333	2.343	-0.010	90	1226973	192.3	
29 Pyridine	79	2.374	2.384	-0.010	98	2125847	191.7	
40 Phenol	94	4.049	4.047	0.002	99	2248438	180.9	
43 Aniline	93	4.108	4.112	-0.004	98	2908903	182.9	
44 Alpha Methyl Styrene	118	4.131	4.135	-0.004	95	1755907	176.1	
45 Bis(2-chloroethyl)ether	93	4.131	4.135	-0.004	96	1704930	185.9	
47 n-Decane	43	4.172	4.176	-0.004	87	1457134	179.1	
48 2-Chlorophenol	128	4.202	4.206	-0.004	96	1838874	186.2	
49 1,3-Dichlorobenzene	146	4.325	4.329	-0.004	96	1906445	182.7	
50 1,4-Dichlorobenzene	146	4.378	4.382	-0.004	91	1932901	182.3	
51 Benzyl alcohol	108	4.460	4.458	0.002	91	1287993	192.9	
52 1,2-Dichlorobenzene	146	4.507	4.511	-0.004	94	1849526	183.3	
54 2-Methylphenol	108	4.531	4.529	0.002	95	1759719	186.9	
55 2,2'-oxybis[1-chloropropane]	45	4.548	4.552	-0.004	90	1976444	185.1	
56 Indene	116	4.578	4.576	0.002	84	2957618	180.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.654	4.652	0.002	97	1780302	183.2	
59 4-Methylphenol	108	4.654	4.652	0.002	97	1780302	183.2	
60 3 & 4 Methylphenol	108	4.654	4.652	0.002	97	1780302	183.2	
61 N-Nitrosodi-n-propylamine	70	4.666	4.664	0.002	83	1321694	182.8	
63 Acetophenone	105	4.683	4.682	0.001	98	2496861	180.6	
66 Hexachloroethane	117	4.783	4.781	0.002	96	805639	186.1	
67 Nitrobenzene	77	4.836	4.834	0.002	86	1971306	182.5	
71 Isophorone	82	5.012	5.011	0.001	97	3436715	183.8	
73 2,4-Dimethylphenol	107	5.089	5.087	0.002	90	1761479	176.6	
74 2-Nitrophenol	139	5.089	5.093	-0.004	95	917804	179.9	
77 Benzoic acid	105	5.200	5.110	0.042	75	3327106	401.7	
78 Bis(2-chloroethoxy)methane	93	5.165	5.163	0.002	99	2032692	179.0	
79 3,5-Dimethylphenol	107	5.195	5.193	0.002	91	1864069	178.8	
82 2,4-Dichlorophenol	162	5.277	5.281	-0.004	96	1511653	189.1	
84 1,2,4-Trichlorobenzene	180	5.353	5.357	-0.004	93	1576430	186.5	
87 Naphthalene	128	5.430	5.428	0.002	98	4758722	180.9	
88 4-Chloroaniline	127	5.459	5.463	-0.004	84	2281497	182.5	
91 Hexachlorobutadiene	225	5.500	5.504	-0.004	96	902683	188.9	
94 Caprolactam	55	5.765	5.755	0.019	81	794096	196.0	M
97 4-Chloro-3-methylphenol	107	5.841	5.839	0.002	96	1641647	186.5	
101 2-Methylnaphthalene	142	5.994	5.998	-0.004	86	3252209	183.0	
103 1-Methylnaphthalene	142	6.082	6.080	0.002	82	3052439	183.6	
105 Hexachlorocyclopentadiene	237	6.111	6.115	-0.004	92	1072082	204.1	
106 1,2,4,5-Tetrachlorobenzene	216	6.135	6.133	0.002	98	1452744	184.0	
108 2,4,6-Trichlorophenol	196	6.223	6.227	-0.004	92	1012453	188.3	
109 2,3-Dichlorobenzenamine	161	6.235	6.239	-0.004	93	1755441	180.1	
110 2,4,5-Trichlorophenol	196	6.258	6.256	0.002	92	1093441	192.3	
112 1,1'-Biphenyl	154	6.376	6.380	-0.004	96	3869457	172.6	
114 2-Chloronaphthalene	162	6.411	6.409	0.002	98	3077915	181.8	
116 2-Nitroaniline	65	6.493	6.497	-0.004	83	1097417	189.5	
119 Dimethyl phthalate	163	6.611	6.609	0.002	97	3481951	181.3	
120 1,3-Dinitrobenzene	168	6.669	6.668	0.001	87	658719	203.7	
121 2,6-Dinitrotoluene	165	6.681	6.679	0.002	87	855058	189.6	
122 Acenaphthylene	152	6.769	6.767	0.002	91	4683785	174.2	
123 3-Nitroaniline	138	6.840	6.838	0.002	95	1106670	194.7	
124 Acenaphthene	153	6.910	6.908	0.002	94	2950392	174.3	
126 2,4-Dinitrophenol	184	6.922	6.920	0.002	81	1156086	405.0	
127 4-Nitrophenol	109	6.963	6.955	0.008	90	1301665	378.7	
130 2,4-Dinitrotoluene	165	7.028	7.026	0.002	89	1153343	191.8	
132 Dibenzofuran	168	7.051	7.049	0.002	88	4205717	177.4	
134 2,3,4,6-Tetrachlorophenol	232	7.145	7.149	-0.004	74	895570	193.3	
136 Hexadecane	57	7.151	7.155	-0.004	93	1875214	170.4	
139 Diethyl phthalate	149	7.186	7.185	0.001	97	3360676	177.7	
142 4-Chlorophenyl phenyl ether	204	7.316	7.314	0.002	93	1687958	185.2	
143 Fluorene	166	7.339	7.343	-0.004	83	3468099	176.5	
146 4-Nitroaniline	138	7.374	7.361	0.013	79	992097	177.1	
147 4,6-Dinitro-2-methylphenol	198	7.374	7.367	0.007	78	1426978	418.4	
150 N-Nitrosodiphenylamine	169	7.416	7.420	-0.004	61	2582360	184.7	
151 1,2-Diphenylhydrazine	77	7.451	7.449	0.002	98	3755332	175.0	
152 Azobenzene	77	7.451	7.449	0.002	98	3755332	173.1	
155 2,4,6 - Tribromophenol	330	7.551	7.549	0.002	92	623480	203.2	
164 4-Bromophenyl phenyl ether	248	7.733	7.731	0.002	61	1050166	190.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.803	7.807	-0.004	92	1164349	194.2	
167 Atrazine	200	7.839	7.837	0.002	91	879020	180.2	
169 n-Octadecane	85	7.915	7.919	-0.004	96	1030140	184.7	
171 Pentachlorophenol	266	7.968	7.966	0.002	93	1469296	406.8	
176 Phenanthrene	178	8.162	8.160	0.002	98	4781498	174.7	
177 Anthracene	178	8.203	8.207	-0.004	98	4976068	175.8	
178 Carbazole	167	8.332	8.336	-0.004	83	4702456	177.3	
179 Alachlor	188	8.397	8.395	0.002	94	709556	191.2	
181 Di-n-butyl phthalate	149	8.555	8.554	0.001	100	5579576	181.1	
188 Fluoranthene	202	9.349	9.347	0.002	98	5339488	184.2	
189 Benzidine	184	9.495	9.494	0.001	99	3069468	183.2	
191 Pyrene	202	9.660	9.658	0.002	96	5588045	187.9	
197 Famphur	218	10.488	10.476	-0.004	85	1812856	200.4	
198 Butyl benzyl phthalate	149	10.559	10.563	-0.004	97	2736059	199.1	
203 Bis(2-ethylhexyl) phthalate	149	11.722	11.726	-0.004	96	3664296	205.9	
205 3,3'-Dichlorobenzidine	252	11.757	11.756	0.001	71	2167940	200.8	
206 Benzo[a]anthracene	228	11.804	11.803	0.001	99	5298178	193.8	
207 Chrysene	228	11.899	11.897	0.001	94	4919892	192.0	
209 Di-n-octyl phthalate	149	13.491	13.501	-0.010	99	6213560	214.4	
211 Benzo[b]fluoranthene	252	14.701	14.693	0.008	94	5170573	199.7	
212 Benzo[k]fluoranthene	252	14.783	14.776	0.007	99	5435407	197.5	
214 Benzo[e]pyrene	252	15.553	15.545	0.008	97	4438250	198.1	
215 Benzo[a]pyrene	252	15.712	15.704	0.008	75	5154443	201.6	
221 Dibenz(a,h)anthracene	278	19.325	19.317	0.008	82	4909510	207.1	
222 Indeno[1,2,3-cd]pyrene	276	19.255	19.217	0.008	95	4758007	205.3	M
223 Benzo[g,h,i]perylene	276	19.819	19.811	0.008	94	4941770	196.4	
S 225 Methyl Phenols,Total	108				0		370.1	
S 226 Total Cresols	108				0		370.1	

QC Flag Legend

Review Flags
M - Manually Integrated

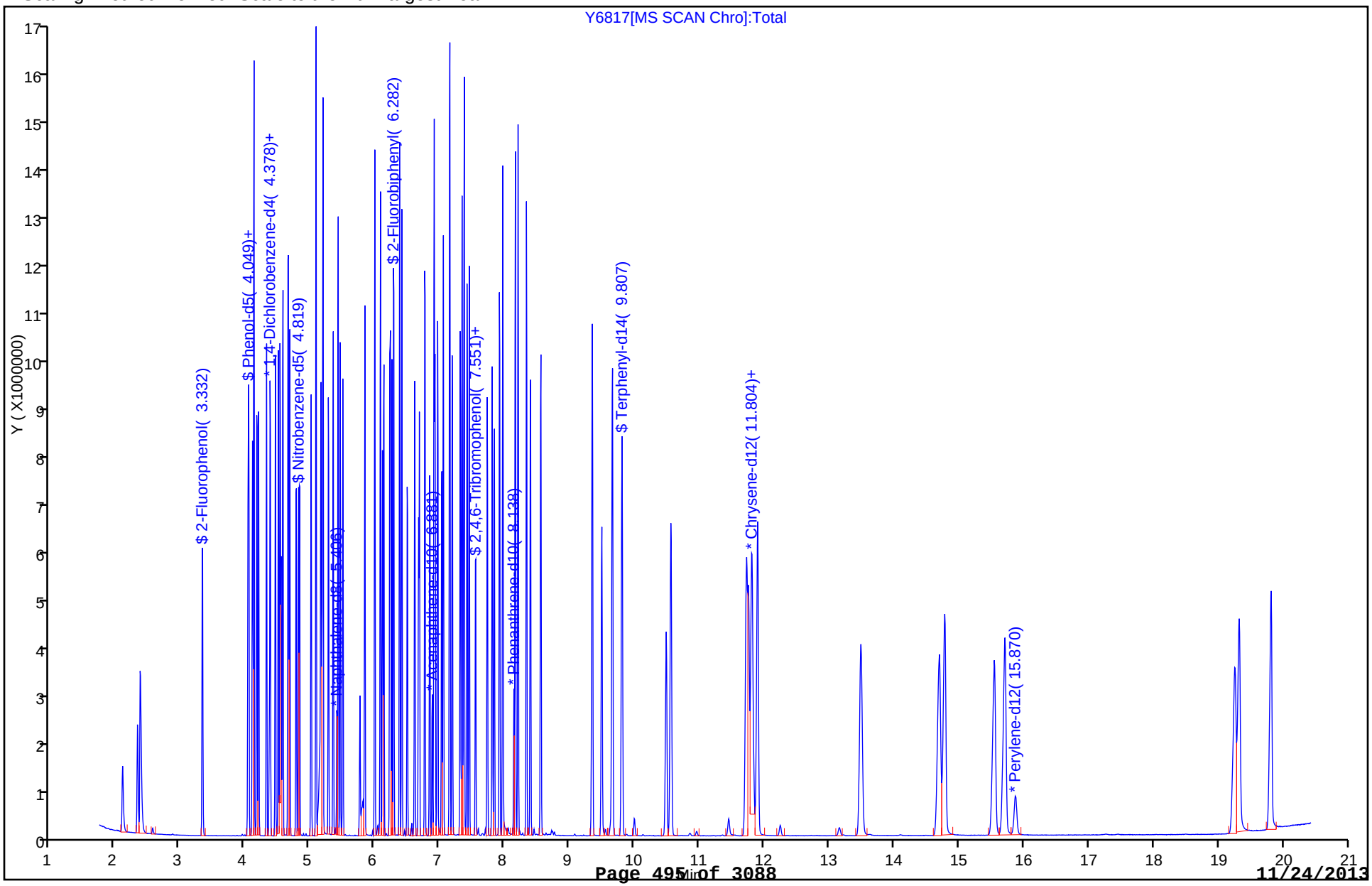
Report Date: 10-Oct-2013 08:49:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6817.D

Injection Date:	07-Oct-2013 12:06:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

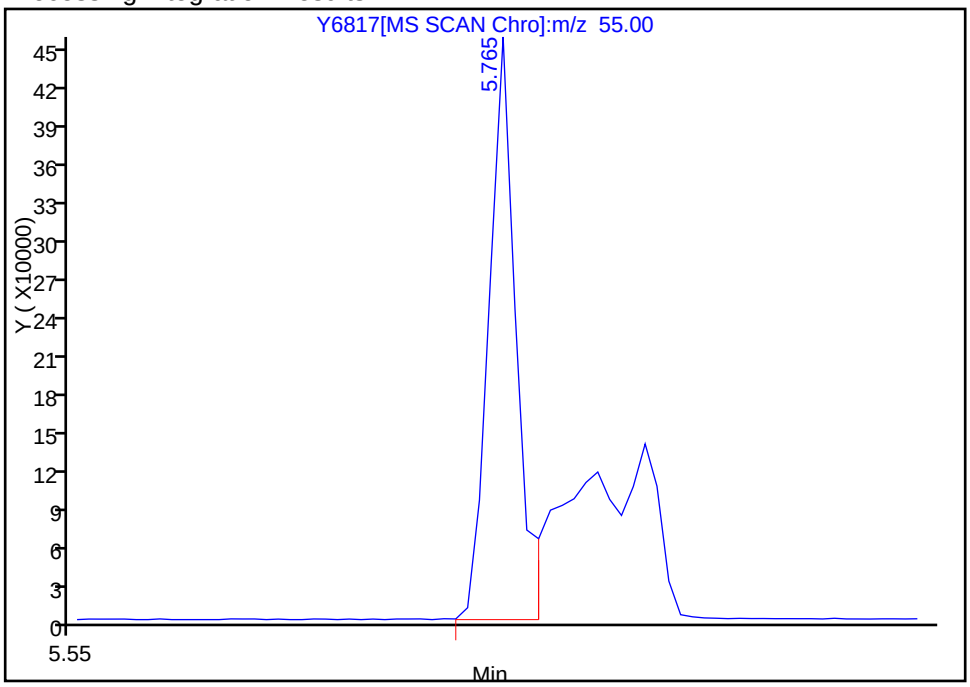
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6817.D		
Injection Date:	07-Oct-2013 12:06:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

94 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 5.75

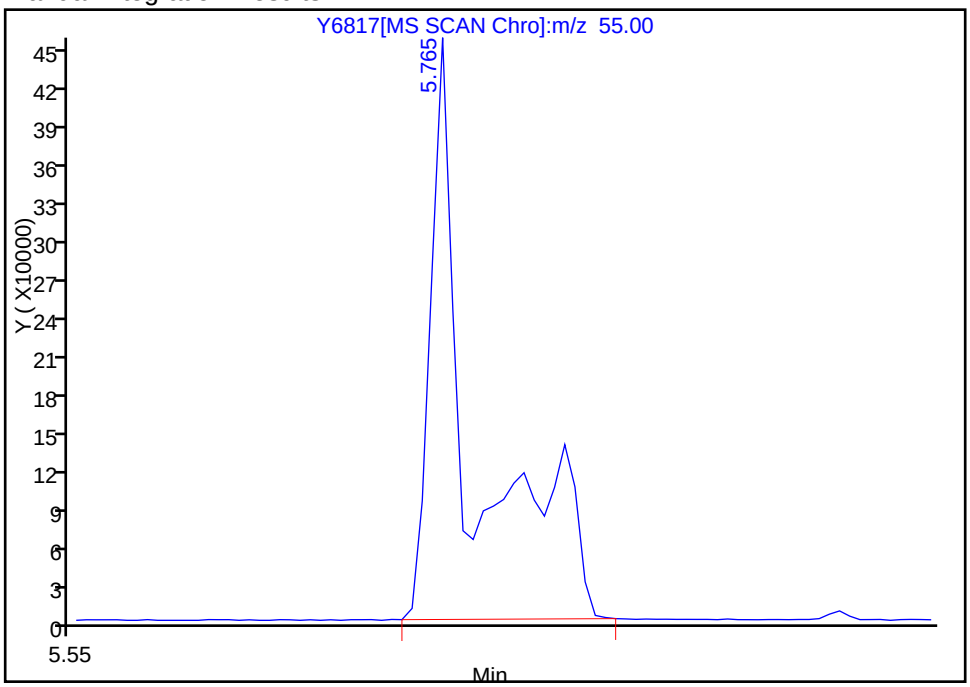
Processing Integration Results

RT: 5.76
Response: 429831
Amount: 127.1816



Manual Integration Results

RT: 5.76
Response: 794096
Amount: 196.0444



Reviewer: hoffmanm, 08-Oct-2013 08:06:51
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

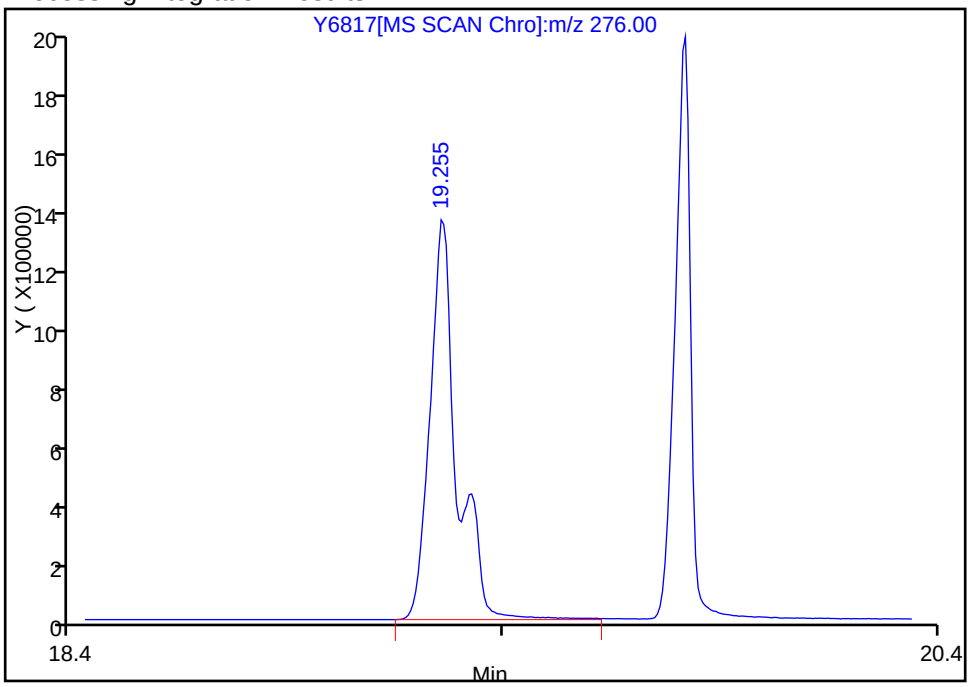
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6817.D		
Injection Date:	07-Oct-2013 12:06:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	2
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

222 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 19.25

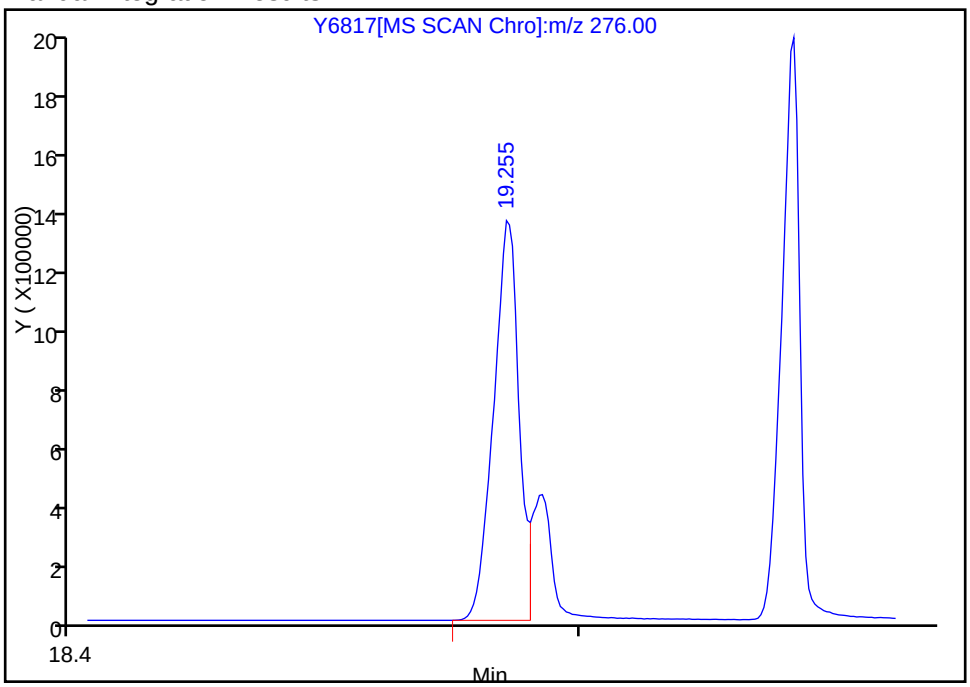
Processing Integration Results

RT: 19.25
Response: 5907552
Amount: 232.0073



Manual Integration Results

RT: 19.25
Response: 4758007
Amount: 205.2665



Reviewer: hoffmanm, 08-Oct-2013 08:06:51
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6818.D
Lims ID: IC HSL160 Client ID:
Inject. Date: 07-Oct-2013 12:33:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: IC HSLA160
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 3
Lims Batch ID: 194745 Lims Sample ID: 3
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:30 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:10:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.366	4.370	-0.004	97	252585	40.0	
* 2 Naphthalene-d8	136	5.406	5.410	-0.004	100	1017634	40.0	
* 3 Acenaphthene-d10	164	6.880	6.879	0.001	90	592692	40.0	
* 4 Phenanthrene-d10	188	8.138	8.142	-0.004	97	965250	40.0	
* 5 Chrysene-d12	240	11.828	11.832	-0.004	79	979420	40.0	
* 6 Perylene-d12	264	15.876	15.880	-0.004	97	907136	40.0	
$ 7 2-Fluorophenol	112	3.337	3.336	0.001	91	1447994	156.1	
$ 8 Phenol-d5	99	4.037	4.035	0.002	93	1840395	154.2	
$ 9 Nitrobenzene-d5	82	4.818	4.817	0.001	87	1699627	158.3	
$ 11 2-Fluorobiphenyl	172	6.281	6.286	-0.005	99	2824046	149.9	
$ 12 2,4,6-Tribromophenol	330	7.550	7.549	0.001	92	502610	165.0	
$ 13 Terphenyl-d14	244	9.806	9.811	-0.005	99	3145501	158.8	
27 1,4-Dioxane	88	2.104	2.114	-0.010	92	669796	153.2	
28 N-Nitrosodimethylamine	74	2.333	2.343	-0.010	91	992046	157.2	
29 Pyridine	79	2.380	2.384	-0.004	97	1727985	157.6	
40 Phenol	94	4.048	4.047	0.001	99	1863260	151.6	
43 Aniline	93	4.107	4.112	-0.005	98	2387539	151.8	
44 Alpha Methyl Styrene	118	4.131	4.135	-0.004	96	1461189	148.1	
45 Bis(2-chloroethyl)ether	93	4.131	4.135	-0.004	92	1410513	155.4	
47 n-Decane	43	4.172	4.176	-0.004	87	1203768	149.6	
48 2-Chlorophenol	128	4.201	4.206	-0.005	96	1509242	154.5	
49 1,3-Dichlorobenzene	146	4.325	4.329	-0.004	97	1580807	153.1	
50 1,4-Dichlorobenzene	146	4.377	4.382	-0.005	91	1593246	152.0	
51 Benzyl alcohol	108	4.460	4.458	0.002	91	1048158	158.7	
52 1,2-Dichlorobenzene	146	4.507	4.511	-0.004	95	1522675	152.5	
54 2-Methylphenol	108	4.530	4.529	0.001	96	1439568	154.6	
55 2,2'-oxybis[1-chloropropane]	45	4.548	4.552	-0.004	90	1621326	153.5	
56 Indene	116	4.577	4.576	0.001	83	2438512	150.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.654	4.652	0.002	96	1465907	152.5	
59 4-Methylphenol	108	4.654	4.652	0.002	96	1465907	152.5	
60 3 & 4 Methylphenol	108	4.654	4.652	0.002	96	1465907	152.5	
61 N-Nitrosodi-n-propylamine	70	4.659	4.664	-0.005	84	1098480	153.6	
63 Acetophenone	105	4.683	4.682	0.001	97	2097750	153.4	
66 Hexachloroethane	117	4.777	4.781	-0.004	97	666246	155.6	
67 Nitrobenzene	77	4.830	4.834	-0.004	88	1631898	154.1	
71 Isophorone	82	5.012	5.011	0.001	97	2819838	153.8	
73 2,4-Dimethylphenol	107	5.088	5.087	0.001	90	1470308	150.4	
74 2-Nitrophenol	139	5.088	5.093	-0.005	95	771289	154.2	
77 Benzoic acid	105	5.188	5.110	0.030	82	2675614	329.7	
78 Bis(2-chloroethoxy)methane	93	5.159	5.163	-0.004	99	1689053	151.7	
79 3,5-Dimethylphenol	107	5.194	5.193	0.001	92	1561439	152.7	
82 2,4-Dichlorophenol	162	5.276	5.281	-0.005	96	1229436	156.8	
84 1,2,4-Trichlorobenzene	180	5.353	5.357	-0.004	94	1277013	154.1	
87 Naphthalene	128	5.429	5.428	0.001	98	4019701	155.7	
88 4-Chloroaniline	127	5.459	5.463	-0.004	84	1885566	153.8	
91 Hexachlorobutadiene	225	5.500	5.504	-0.004	96	736759	157.3	
94 Caprolactam	55	5.758	5.755	0.013	80	661209	166.5	M
97 4-Chloro-3-methylphenol	107	5.840	5.839	0.001	95	1353029	156.8	
101 2-Methylnaphthalene	142	5.993	5.998	-0.005	86	2708001	155.2	
103 1-Methylnaphthalene	142	6.081	6.080	0.001	83	2562725	157.1	
105 Hexachlorocyclopentadiene	237	6.111	6.115	-0.004	92	882952	169.3	
106 1,2,4,5-Tetrachlorobenzene	216	6.134	6.133	0.001	98	1189205	153.6	
108 2,4,6-Trichlorophenol	196	6.222	6.227	-0.005	93	836414	156.7	
109 2,3-Dichlorobenzenamine	161	6.234	6.239	-0.005	93	1462187	151.1	
110 2,4,5-Trichlorophenol	196	6.258	6.256	0.002	92	897493	159.0	
112 1,1'-Biphenyl	154	6.375	6.380	-0.005	96	3237920	145.5	
114 2-Chloronaphthalene	162	6.410	6.409	0.001	98	2538796	151.0	
116 2-Nitroaniline	65	6.493	6.497	-0.004	83	891540	155.1	
119 Dimethyl phthalate	163	6.610	6.609	0.001	98	2891458	151.6	
120 1,3-Dinitrobenzene	168	6.669	6.668	0.001	87	531181	165.4	
121 2,6-Dinitrotoluene	165	6.681	6.679	0.002	88	700284	156.4	
122 Acenaphthylene	152	6.763	6.767	-0.004	92	3951750	148.0	
123 3-Nitroaniline	138	6.839	6.838	0.001	94	894445	158.5	
124 Acenaphthene	153	6.910	6.908	0.002	94	2479046	147.5	
126 2,4-Dinitrophenol	184	6.922	6.920	0.002	83	940037	332.5	
127 4-Nitrophenol	109	6.963	6.955	0.008	88	1056139	309.5	
130 2,4-Dinitrotoluene	165	7.021	7.026	-0.005	85	954604	159.9	
132 Dibenzofuran	168	7.051	7.049	0.002	88	3474134	147.6	
134 2,3,4,6-Tetrachlorophenol	232	7.145	7.149	-0.004	67	737996	160.4	
136 Hexadecane	57	7.151	7.155	-0.004	93	1590076	145.5	
139 Diethyl phthalate	149	7.186	7.185	0.001	97	2838455	151.2	
142 4-Chlorophenyl phenyl ether	204	7.309	7.314	-0.005	96	1398970	154.6	
143 Fluorene	166	7.339	7.343	-0.004	83	2927360	150.0	
146 4-Nitroaniline	138	7.368	7.361	0.007	81	836565	150.4	
147 4,6-Dinitro-2-methylphenol	198	7.374	7.367	0.007	88	1191208	351.2	
150 N-Nitrosodiphenylamine	169	7.415	7.420	-0.005	60	2166221	155.8	
151 1,2-Diphenylhydrazine	77	7.450	7.449	0.001	98	3174618	149.0	
152 Azobenzene	77	7.450	7.449	0.001	99	3174618	147.4	
155 2,4,6 - Tribromophenol	330	7.550	7.549	0.001	92	502610	165.0	
164 4-Bromophenyl phenyl ether	248	7.726	7.731	-0.005	63	867756	157.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.803	7.807	-0.004	93	957484	160.6	
167 Atrazine	200	7.838	7.837	0.001	92	739373	152.4	
169 n-Octadecane	85	7.914	7.919	-0.005	95	850016	153.2	
171 Pentachlorophenol	266	7.967	7.966	0.001	87	1143940	319.3	
176 Phenanthrene	178	8.161	8.160	0.001	98	4031034	148.1	
177 Anthracene	178	8.202	8.207	-0.005	98	4198336	149.1	
178 Carbazole	167	8.332	8.336	-0.004	83	3952100	149.8	
179 Alachlor	188	8.390	8.395	-0.005	96	587622	159.2	
181 Di-n-butyl phthalate	149	8.549	8.554	-0.005	100	4676649	152.6	
188 Fluoranthene	202	9.348	9.347	0.001	98	4453881	154.5	
189 Benzidine	184	9.489	9.494	-0.005	99	2579406	154.4	
191 Pyrene	202	9.654	9.658	-0.004	96	4663143	157.2	
197 Famphur	218	10.482	10.476	-0.010	85	1511167	160.5	
198 Butyl benzyl phthalate	149	10.558	10.563	-0.005	96	2255995	164.6	
203 Bis(2-ethylhexyl) phthalate	149	11.722	11.726	-0.004	96	2999518	169.0	
205 3,3'-Dichlorobenzidine	252	11.751	11.756	-0.005	70	1780830	165.4	
206 Benzo[a]anthracene	228	11.798	11.803	-0.005	99	4348370	159.5	
207 Chrysene	228	11.892	11.897	-0.005	96	4051325	158.5	
209 Di-n-octyl phthalate	149	13.490	13.501	-0.011	99	5107893	176.7	
211 Benzo[b]fluoranthene	252	14.695	14.693	0.002	94	4248903	165.1	
212 Benzo[k]fluoranthene	252	14.777	14.776	0.001	99	4438391	162.3	
214 Benzo[e]pyrene	252	15.541	15.545	-0.004	98	3631935	163.1	
215 Benzo[a]pyrene	252	15.705	15.704	0.001	77	4228708	166.4	
221 Dibenz(a,h)anthracene	278	19.319	19.317	0.002	88	4003825	169.9	
222 Indeno[1,2,3-cd]pyrene	276	19.254	19.217	0.007	99	3943926	170.6	
223 Benzo[g,h,i]perylene	276	19.812	19.811	0.001	97	4135550	165.3	
S 225 Methyl Phenols,Total	108				0		307.1	
S 226 Total Cresols	108				0		307.1	

QC Flag Legend

Review Flags
M - Manually Integrated

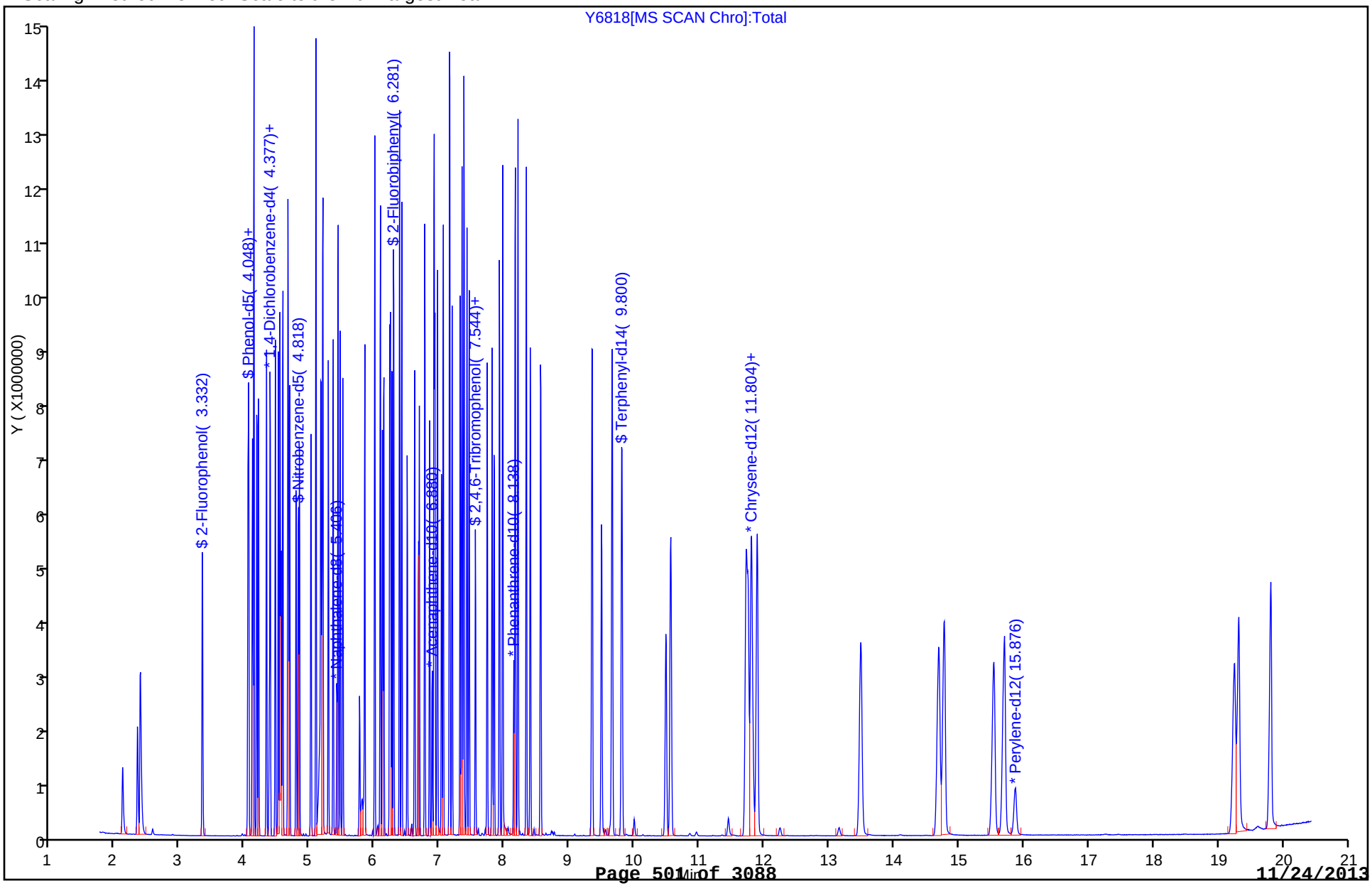
Report Date: 10-Oct-2013 08:49:30 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6818.D

Injection Date:	07-Oct-2013 12:33:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	3
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

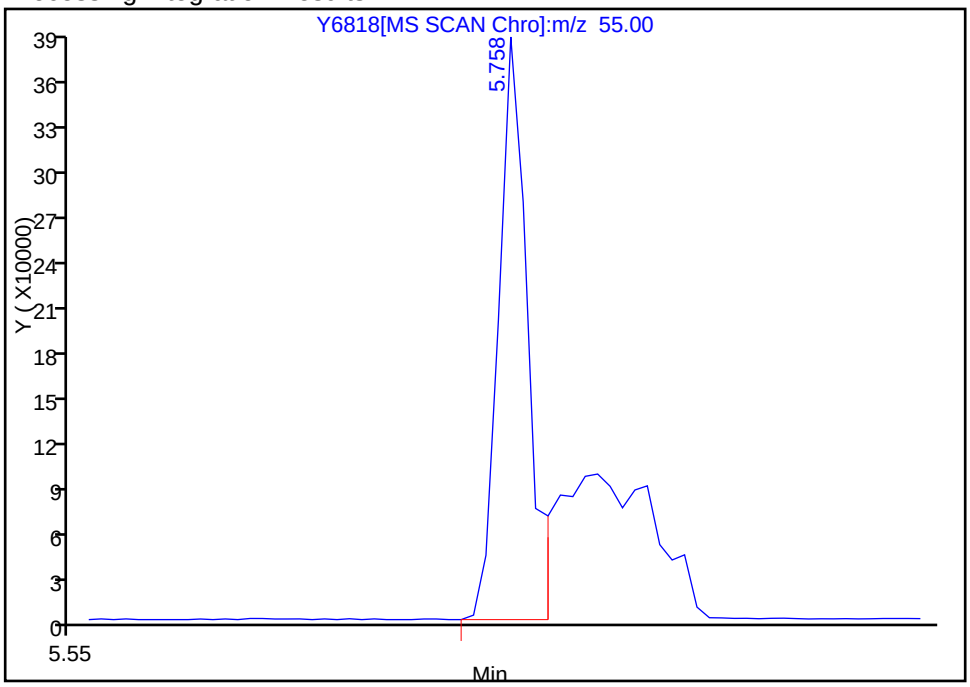
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6818.D		
Injection Date:	07-Oct-2013 12:33:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	3
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

94 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 5.75

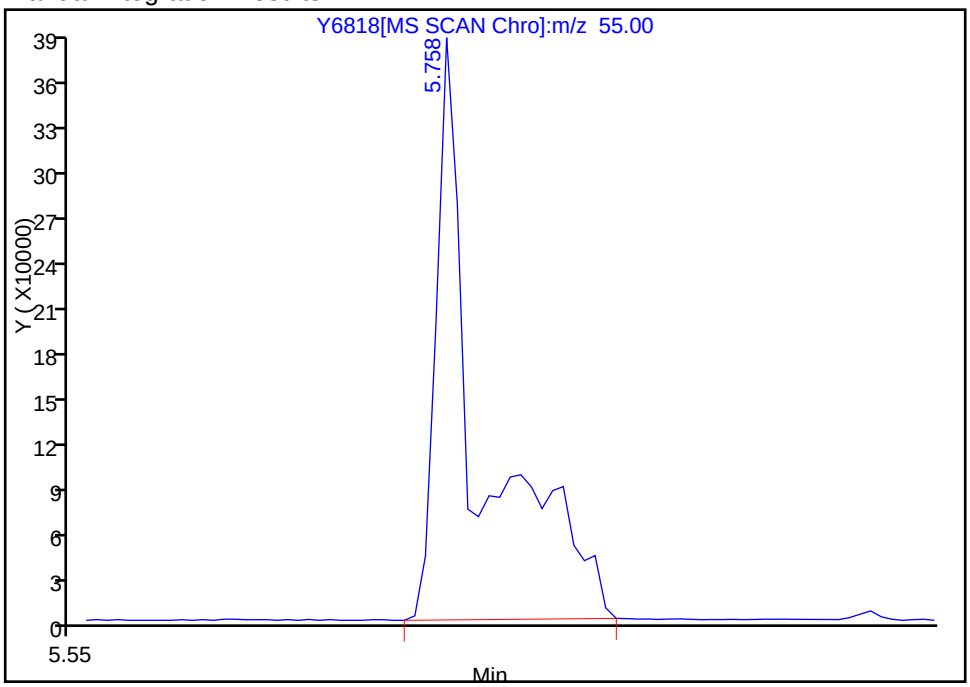
Processing Integration Results

RT: 5.76
Response: 370954
Amount: 104.8717



Manual Integration Results

RT: 5.76
Response: 661209
Amount: 166.4732



Reviewer: hoffmanm, 08-Oct-2013 08:10:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6819.D
Lims ID: IC HSL120 Client ID:
Inject. Date: 07-Oct-2013 13:00:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: IC HSLA120
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 4
Lims Batch ID: 194745 Lims Sample ID: 4
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:32 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:11:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.363	4.370	-0.007	97	249215	40.0	
* 2 Naphthalene-d8	136	5.409	5.410	-0.001	100	1009521	40.0	
* 3 Acenaphthene-d10	164	6.878	6.879	-0.001	91	577154	40.0	
* 4 Phenanthrene-d10	188	8.135	8.142	-0.007	97	946382	40.0	
* 5 Chrysene-d12	240	11.825	11.832	-0.007	84	975256	40.0	
* 6 Perylene-d12	264	15.867	15.880	-0.013	86	898535	40.0	
$ 7 2-Fluorophenol	112	3.335	3.336	-0.001	91	1054437	115.2	
$ 8 Phenol-d5	99	4.034	4.035	-0.001	93	1357856	115.3	
$ 9 Nitrobenzene-d5	82	4.815	4.817	-0.002	87	1228252	115.3	
$ 11 2-Fluorobiphenyl	172	6.284	6.286	-0.002	99	2091227	114.0	
$ 12 2,4,6-Tribromophenol	330	7.547	7.549	-0.002	92	354835	119.6	
$ 13 Terphenyl-d14	244	9.804	9.811	-0.007	99	2304328	116.8	
27 1,4-Dioxane	88	2.107	2.114	-0.007	92	478908	111.0	
28 N-Nitrosodimethylamine	74	2.336	2.343	-0.007	91	723828	116.2	
29 Pyridine	79	2.377	2.384	-0.007	97	1265186	116.9	
40 Phenol	94	4.046	4.047	-0.001	99	1374900	113.4	
43 Aniline	93	4.104	4.112	-0.008	98	1729205	111.4	
44 Alpha Methyl Styrene	118	4.128	4.135	-0.007	94	1094749	112.5	
45 Bis(2-chloroethyl)ether	93	4.128	4.135	-0.007	90	1083142	120.8	
47 n-Decane	43	4.175	4.176	-0.001	86	895344	112.8	
48 2-Chlorophenol	128	4.198	4.206	-0.008	96	1112921	115.5	
49 1,3-Dichlorobenzene	146	4.322	4.329	-0.007	96	1159818	113.9	
50 1,4-Dichlorobenzene	146	4.380	4.382	-0.002	93	1170221	113.1	
51 Benzyl alcohol	108	4.457	4.458	-0.001	91	759480	116.5	
52 1,2-Dichlorobenzene	146	4.504	4.511	-0.007	94	1117823	113.5	
54 2-Methylphenol	108	4.527	4.529	-0.002	96	1072925	116.8	
55 2,2'-oxybis[1-chloropropane]	45	4.545	4.552	-0.007	90	1190502	114.3	
56 Indene	116	4.574	4.576	-0.002	84	1806568	113.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.651	4.652	-0.001	97	1089287	114.8	
59 4-Methylphenol	108	4.651	4.652	-0.001	97	1089287	114.8	
60 3 & 4 Methylphenol	108	4.651	4.652	-0.001	97	1089287	114.8	
61 N-Nitrosodi-n-propylamine	70	4.657	4.664	-0.007	85	805706	114.2	
63 Acetophenone	105	4.680	4.682	-0.002	97	1552221	115.0	
66 Hexachloroethane	117	4.780	4.781	-0.001	97	483936	114.6	
67 Nitrobenzene	77	4.833	4.834	-0.001	86	1199566	114.2	
71 Isophorone	82	5.009	5.011	-0.002	97	2074604	114.1	
73 2,4-Dimethylphenol	107	5.086	5.087	-0.001	94	1090804	112.5	
74 2-Nitrophenol	139	5.086	5.093	-0.007	95	579772	116.8	
77 Benzoic acid	105	5.174	5.110	0.016	87	1925627	239.7	
78 Bis(2-chloroethoxy)methane	93	5.162	5.163	-0.001	98	1250724	113.2	
79 3,5-Dimethylphenol	107	5.191	5.193	-0.002	94	1168200	115.2	
82 2,4-Dichlorophenol	162	5.279	5.281	-0.002	95	899493	115.7	
84 1,2,4-Trichlorobenzene	180	5.350	5.357	-0.007	91	936893	113.9	
87 Naphthalene	128	5.426	5.428	-0.002	98	2976682	116.0	
88 4-Chloroaniline	127	5.456	5.463	-0.007	84	1376478	113.2	
91 Hexachlorobutadiene	225	5.503	5.504	-0.001	96	532502	114.6	
94 Caprolactam	55	5.755	5.755	0.010	82	479901	121.8	M
97 4-Chloro-3-methylphenol	107	5.838	5.839	-0.001	95	993703	116.1	
101 2-Methylnaphthalene	142	5.990	5.998	-0.008	86	2032281	117.2	
103 1-Methylnaphthalene	142	6.078	6.080	-0.002	83	1896523	117.0	
105 Hexachlorocyclopentadiene	237	6.114	6.115	-0.001	96	633463	124.7	
106 1,2,4,5-Tetrachlorobenzene	216	6.131	6.133	-0.002	98	871765	113.5	
108 2,4,6-Trichlorophenol	196	6.219	6.227	-0.008	91	607142	116.8	
109 2,3-Dichlorobenzenamine	161	6.231	6.239	-0.008	93	1077954	114.4	
110 2,4,5-Trichlorophenol	196	6.255	6.256	-0.001	90	646169	117.5	
112 1,1'-Biphenyl	154	6.372	6.380	-0.008	95	2448391	113.0	
114 2-Chloronaphthalene	162	6.407	6.409	-0.002	98	1873423	114.4	
116 2-Nitroaniline	65	6.490	6.497	-0.007	83	654992	117.0	
119 Dimethyl phthalate	163	6.607	6.609	-0.002	98	2139334	115.2	
120 1,3-Dinitrobenzene	168	6.666	6.668	-0.002	87	385788	123.4	
121 2,6-Dinitrotoluene	165	6.678	6.679	-0.001	87	510816	117.1	
122 Acenaphthylene	152	6.766	6.767	-0.001	91	2983235	114.8	
123 3-Nitroaniline	138	6.836	6.838	-0.002	94	645362	117.4	
124 Acenaphthene	153	6.907	6.908	-0.001	94	1855027	113.3	
126 2,4-Dinitrophenol	184	6.919	6.920	-0.001	84	669547	244.5	
127 4-Nitrophenol	109	6.960	6.955	0.005	87	791108	238.1	
130 2,4-Dinitrotoluene	165	7.024	7.026	-0.002	87	686118	118.0	
132 Dibenzofuran	168	7.048	7.049	-0.001	87	2576213	112.4	
134 2,3,4,6-Tetrachlorophenol	232	7.142	7.149	-0.007	75	530452	118.4	
136 Hexadecane	57	7.148	7.155	-0.007	93	1198767	112.7	
139 Diethyl phthalate	149	7.183	7.185	-0.002	97	2089128	114.2	
142 4-Chlorophenyl phenyl ether	204	7.312	7.314	-0.002	94	1019013	115.6	
143 Fluorene	166	7.336	7.343	-0.007	83	2155921	113.5	
146 4-Nitroaniline	138	7.359	7.361	-0.002	78	621975	114.9	
147 4,6-Dinitro-2-methylphenol	198	7.365	7.367	-0.002	73	856068	257.4	
150 N-Nitrosodiphenylamine	169	7.412	7.420	-0.008	61	1571952	115.3	
151 1,2-Diphenylhydrazine	77	7.447	7.449	-0.002	98	2375672	114.5	
152 Azobenzene	77	7.447	7.449	-0.002	99	2375672	113.3	
155 2,4,6 - Tribromophenol	330	7.547	7.549	-0.002	92	354835	119.6	
164 4-Bromophenyl phenyl ether	248	7.729	7.731	-0.002	61	626242	116.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.800	7.807	-0.007	91	688500	117.8	
167 Atrazine	200	7.835	7.837	-0.002	92	555924	116.9	
169 n-Octadecane	85	7.917	7.919	-0.002	96	629281	115.7	
171 Pentachlorophenol	266	7.964	7.966	-0.002	87	825579	235.9	
176 Phenanthrene	178	8.158	8.160	-0.002	98	3021264	113.2	
177 Anthracene	178	8.200	8.207	-0.007	98	3136059	113.6	
178 Carbazole	167	8.329	8.336	-0.007	83	2930468	113.3	
179 Alachlor	188	8.393	8.395	-0.002	94	430741	119.0	
181 Di-n-butyl phthalate	149	8.552	8.554	-0.002	100	3501483	116.5	
188 Fluoranthene	202	9.345	9.347	-0.002	98	3273976	115.8	
189 Benzidine	184	9.492	9.494	-0.002	99	1939279	116.6	
191 Pyrene	202	9.651	9.658	-0.007	97	3394574	114.9	
197 Famphur	218	10.485	10.476	-0.007	84	1151821	117.5	
198 Butyl benzyl phthalate	149	10.556	10.563	-0.007	96	1637438	120.0	
203 Bis(2-ethylhexyl) phthalate	149	11.719	11.726	-0.007	96	2160624	122.2	
205 3,3'-Dichlorobenzidine	252	11.748	11.756	-0.008	72	1293596	120.6	
206 Benzo[a]anthracene	228	11.801	11.803	-0.002	99	3157086	116.3	
207 Chrysene	228	11.889	11.897	-0.008	94	2937741	115.4	
209 Di-n-octyl phthalate	149	13.482	13.501	-0.019	99	3677007	127.8	
211 Benzo[b]fluoranthene	252	14.686	14.693	-0.007	94	3027978	118.8	
212 Benzo[k]fluoranthene	252	14.768	14.776	-0.008	99	3252180	120.0	
214 Benzo[e]pyrene	252	15.532	15.545	-0.013	98	2632920	119.4	
215 Benzo[a]pyrene	252	15.691	15.704	-0.013	77	3035185	120.6	
221 Dibenz(a,h)anthracene	278	19.310	19.317	-0.007	84	2897556	124.1	
222 Indeno[1,2,3-cd]pyrene	276	19.245	19.217	-0.002	98	2823100	122.6	M
223 Benzo[g,h,i]perylene	276	19.804	19.811	-0.007	97	2961924	119.5	
S 225 Methyl Phenols,Total	108				0		231.6	
S 226 Total Cresols	108				0		231.6	

QC Flag Legend

Review Flags
M - Manually Integrated

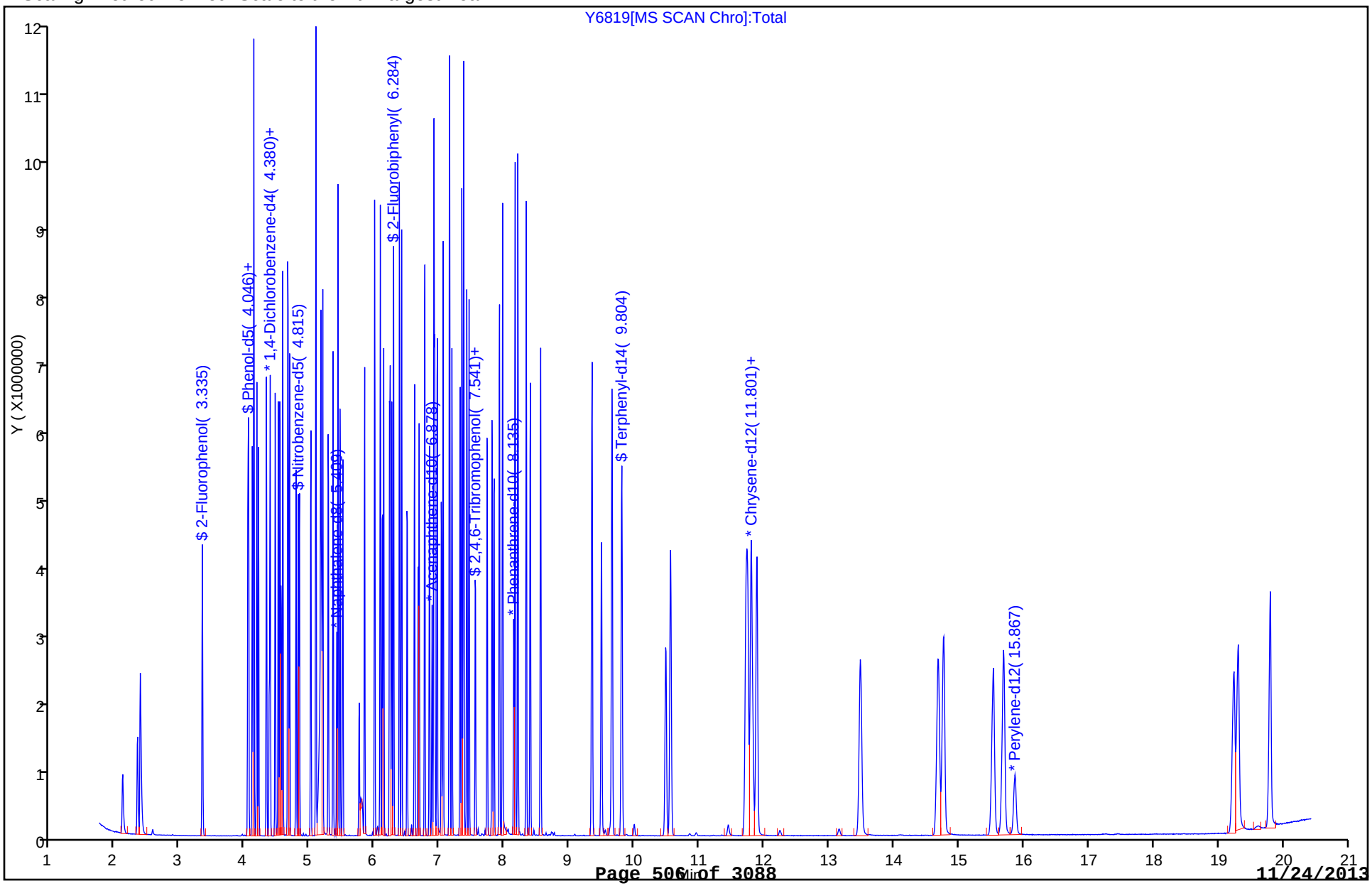
Report Date: 10-Oct-2013 08:49:32 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6819.D

Injection Date:	07-Oct-2013 13:00:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	4
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

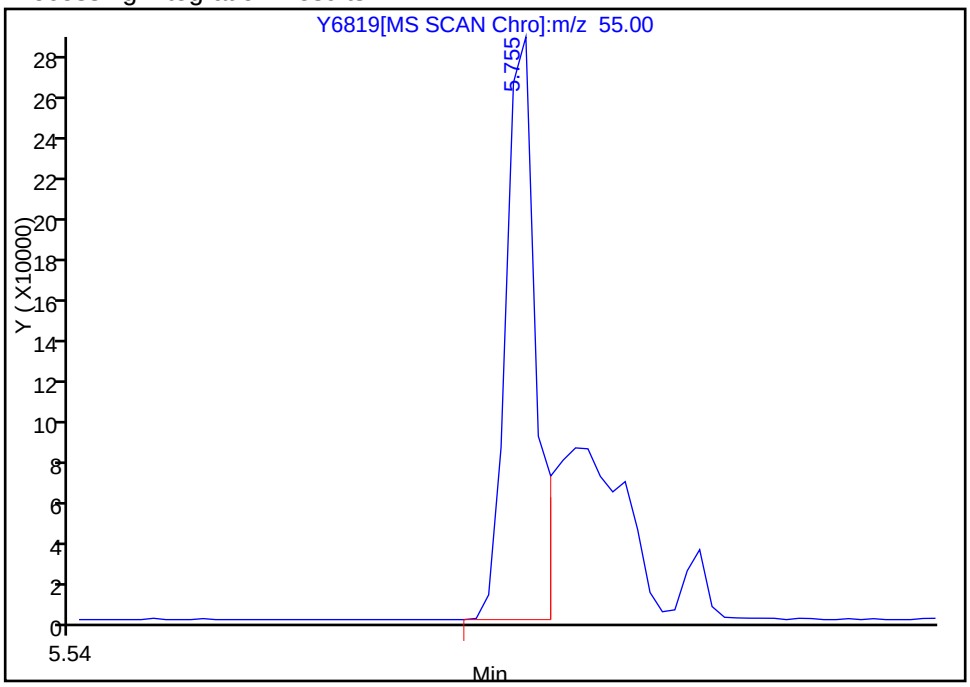
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6819.D		
Injection Date:	07-Oct-2013 13:00:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	4
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

94 Caprolactam, Signal: 1, m/z: 55.0 Type: quant, RT: 5.75

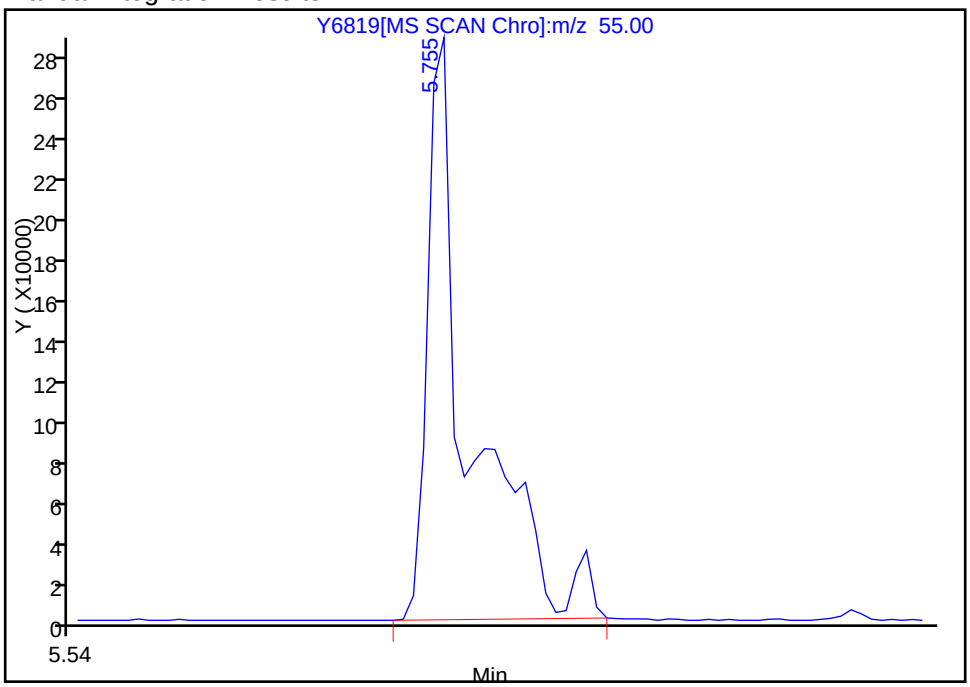
Processing Integration Results

RT: 5.76
Response: 281922
Amount: 75.501944



Manual Integration Results

RT: 5.76
Response: 479901
Amount: 121.7962



Reviewer: hoffmanm, 08-Oct-2013 08:11:30
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

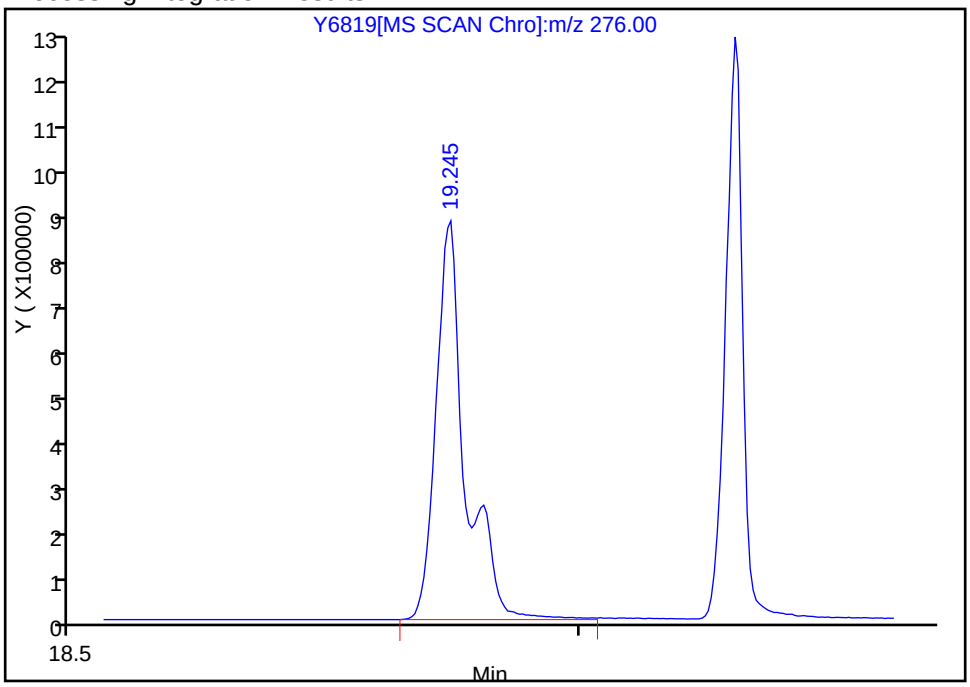
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6819.D		
Injection Date:	07-Oct-2013 13:00:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	4
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

222 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 19.25

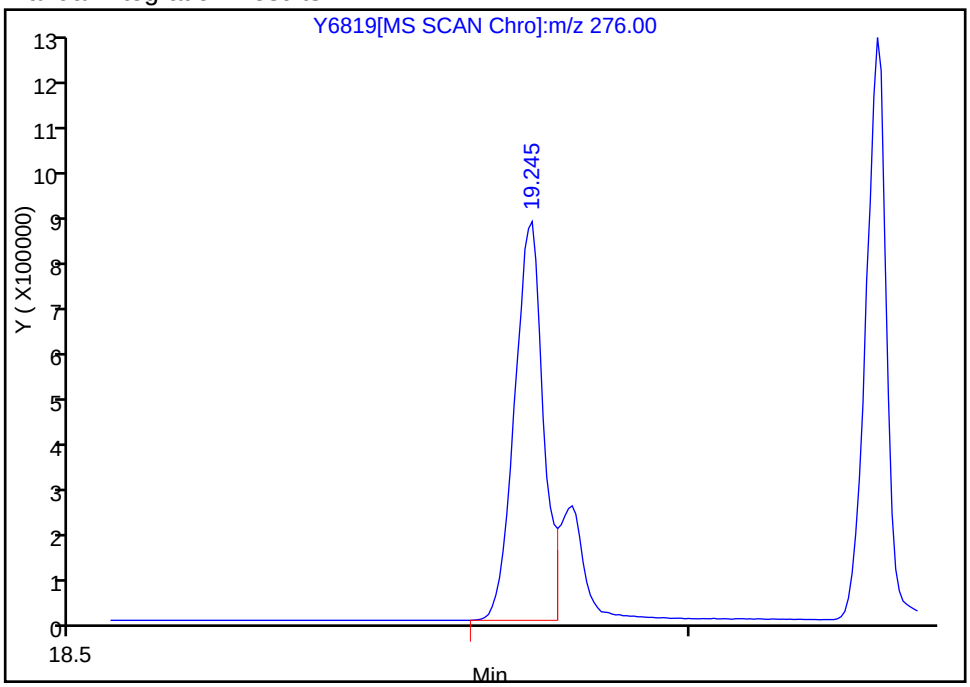
Processing Integration Results

RT: 19.25
Response: 3497677
Amount: 142.3282



Manual Integration Results

RT: 19.25
Response: 2823100
Amount: 122.6326



Reviewer: hoffmanm, 08-Oct-2013 08:11:30
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6820.D
Lims ID: ICIS HSL080 Client ID:
Inject. Date: 07-Oct-2013 13:28:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: ICIS HSLA080
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 5
Lims Batch ID: 194745 Lims Sample ID: 5
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:33 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:11:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.366	4.370	-0.004	97	245960	40.0	
* 2 Naphthalene-d8	136	5.406	5.410	-0.004	100	996409	40.0	
* 3 Acenaphthene-d10	164	6.875	6.879	-0.004	92	569258	40.0	
* 4 Phenanthrene-d10	188	8.132	8.142	-0.010	97	942933	40.0	
* 5 Chrysene-d12	240	11.822	11.832	-0.010	84	973421	40.0	
* 6 Perylene-d12	264	15.864	15.880	-0.016	98	902099	40.0	
$ 7 2-Fluorophenol	112	3.332	3.336	-0.004	92	719298	79.6	
$ 8 Phenol-d5	99	4.037	4.035	0.002	96	917858	79.0	
$ 9 Nitrobenzene-d5	82	4.813	4.817	-0.004	88	829129	78.9	
$ 11 2-Fluorobiphenyl	172	6.281	6.286	-0.005	99	1426230	78.8	
$ 12 2,4,6-Tribromophenol	330	7.545	7.549	-0.004	92	237121	81.1	
$ 13 Terphenyl-d14	244	9.801	9.811	-0.010	98	1561623	79.3	
27 1,4-Dioxane	88	2.104	2.114	-0.010	93	323045	75.9	
28 N-Nitrosodimethylamine	74	2.333	2.343	-0.010	91	486429	79.1	
29 Pyridine	79	2.380	2.384	-0.004	97	846311	79.3	
40 Phenol	94	4.049	4.047	0.002	98	945865	79.0	
43 Aniline	93	4.102	4.112	-0.010	97	1236855	80.7	
44 Alpha Methyl Styrene	118	4.125	4.135	-0.010	95	761204	79.2	
45 Bis(2-chloroethyl)ether	93	4.131	4.135	-0.004	92	702677	79.2	
47 n-Decane	43	4.172	4.176	-0.004	88	620957	79.3	
48 2-Chlorophenol	128	4.201	4.206	-0.005	96	754164	79.3	
49 1,3-Dichlorobenzene	146	4.325	4.329	-0.004	96	791866	78.8	
50 1,4-Dichlorobenzene	146	4.378	4.382	-0.004	91	799804	78.3	
51 Benzyl alcohol	108	4.460	4.458	0.002	93	516299	80.3	
52 1,2-Dichlorobenzene	146	4.507	4.511	-0.004	95	759443	78.1	
54 2-Methylphenol	108	4.531	4.529	0.002	96	717578	79.1	
55 2,2'-oxybis[1-chloropropane]	45	4.548	4.552	-0.004	90	813574	79.1	
56 Indene	116	4.572	4.576	-0.004	85	1246089	79.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.648	4.652	-0.004	98	747049	79.8	
59 4-Methylphenol	108	4.648	4.652	-0.004	98	747049	79.8	
60 3 & 4 Methylphenol	108	4.648	4.652	-0.004	98	747049	79.8	
61 N-Nitrosodi-n-propylamine	70	4.660	4.664	-0.004	81	553032	79.4	
63 Acetophenone	105	4.677	4.682	-0.005	97	1056182	79.3	
66 Hexachloroethane	117	4.777	4.781	-0.004	97	335139	80.4	
67 Nitrobenzene	77	4.830	4.834	-0.004	87	821254	79.2	
71 Isophorone	82	5.006	5.011	-0.005	97	1414440	78.8	
73 2,4-Dimethylphenol	107	5.083	5.087	-0.004	92	762789	79.7	
74 2-Nitrophenol	139	5.089	5.093	-0.004	95	398862	81.4	
77 Benzoic acid	105	5.159	5.110	0.001	57	1256288	159.0	
78 Bis(2-chloroethoxy)methane	93	5.159	5.163	-0.004	99	847154	77.7	
79 3,5-Dimethylphenol	107	5.189	5.193	-0.004	94	788998	78.8	
82 2,4-Dichlorophenol	162	5.277	5.281	-0.004	95	605489	78.9	
84 1,2,4-Trichlorobenzene	180	5.347	5.357	-0.010	92	634653	78.2	
87 Naphthalene	128	5.424	5.428	-0.004	98	2064548	81.3	
88 4-Chloroaniline	127	5.459	5.463	-0.004	84	947114	78.9	
91 Hexachlorobutadiene	225	5.500	5.504	-0.004	97	363230	79.2	
94 Caprolactam	55	5.747	5.755	0.002	81	305542	78.6	
97 4-Chloro-3-methylphenol	107	5.835	5.839	-0.004	93	671085	79.4	
101 2-Methylnaphthalene	142	5.994	5.998	-0.004	89	1390243	81.0	
103 1-Methylnaphthalene	142	6.076	6.080	-0.004	83	1315768	82.0	
105 Hexachlorocyclopentadiene	237	6.111	6.115	-0.004	92	418471	83.5	
106 1,2,4,5-Tetrachlorobenzene	216	6.129	6.133	-0.004	96	596656	78.7	
108 2,4,6-Trichlorophenol	196	6.223	6.227	-0.004	90	406925	79.4	
109 2,3-Dichlorobenzenamine	161	6.234	6.239	-0.005	93	741253	79.8	
110 2,4,5-Trichlorophenol	196	6.252	6.256	-0.004	89	438390	80.8	
112 1,1'-Biphenyl	154	6.375	6.380	-0.005	94	1672689	78.3	
114 2-Chloronaphthalene	162	6.405	6.409	-0.004	99	1297763	80.4	
116 2-Nitroaniline	65	6.493	6.497	-0.004	84	445289	80.6	
119 Dimethyl phthalate	163	6.605	6.609	-0.004	97	1457146	79.6	
120 1,3-Dinitrobenzene	168	6.663	6.668	-0.005	87	259268	84.1	
121 2,6-Dinitrotoluene	165	6.675	6.679	-0.004	86	342205	79.6	
122 Acenaphthylene	152	6.763	6.767	-0.004	92	2045361	79.8	
123 3-Nitroaniline	138	6.834	6.838	-0.004	94	431102	79.5	
124 Acenaphthene	153	6.904	6.908	-0.004	94	1273315	78.9	
126 2,4-Dinitrophenol	184	6.916	6.920	-0.004	84	427085	159.8	
127 4-Nitrophenol	109	6.951	6.955	-0.004	91	533295	162.7	
130 2,4-Dinitrotoluene	165	7.016	7.026	-0.010	84	466318	81.3	
132 Dibenzofuran	168	7.045	7.049	-0.004	88	1785118	78.9	
134 2,3,4,6-Tetrachlorophenol	232	7.139	7.149	-0.010	75	358747	81.2	
136 Hexadecane	57	7.145	7.155	-0.010	93	827214	78.8	
139 Diethyl phthalate	149	7.180	7.185	-0.005	96	1440009	79.8	
142 4-Chlorophenyl phenyl ether	204	7.310	7.314	-0.004	93	692890	79.7	
143 Fluorene	166	7.339	7.343	-0.004	83	1484409	79.2	
146 4-Nitroaniline	138	7.357	7.361	-0.004	76	435370	81.5	
147 4,6-Dinitro-2-methylphenol	198	7.363	7.367	-0.005	77	574104	173.3	
150 N-Nitrosodiphenylamine	169	7.410	7.420	-0.010	61	1074694	79.1	
151 1,2-Diphenylhydrazine	77	7.445	7.449	-0.004	99	1626225	79.5	
152 Azobenzene	77	7.445	7.449	-0.004	99	1626225	78.6	
155 2,4,6 - Tribromophenol	330	7.545	7.549	-0.004	92	237384	81.1	
164 4-Bromophenyl phenyl ether	248	7.727	7.731	-0.004	63	417258	77.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.803	7.807	-0.004	93	463724	79.6	
167 Atrazine	200	7.833	7.837	-0.004	91	374570	79.1	
169 n-Octadecane	85	7.915	7.919	-0.004	95	430478	79.4	
171 Pentachlorophenol	266	7.962	7.966	-0.004	88	559657	161.6	
176 Phenanthrene	178	8.156	8.160	-0.004	98	2097585	78.9	
177 Anthracene	178	8.197	8.207	-0.010	98	2180101	79.3	
178 Carbazole	167	8.326	8.336	-0.010	83	2039001	79.1	
179 Alachlor	188	8.391	8.395	-0.004	95	291140	80.8	
181 Di-n-butyl phthalate	149	8.549	8.554	-0.005	100	2417227	80.8	
188 Fluoranthene	202	9.343	9.347	-0.004	98	2239795	79.5	
189 Benzidine	184	9.489	9.494	-0.005	99	1338634	80.7	
191 Pyrene	202	9.648	9.658	-0.010	97	2333455	79.2	
197 Famphur	218	10.482	10.476	-0.010	85	819036	80.7	
198 Butyl benzyl phthalate	149	10.553	10.563	-0.010	96	1106255	81.2	
203 Bis(2-ethylhexyl) phthalate	149	11.716	11.726	-0.010	96	1464977	83.0	
205 3,3'-Dichlorobenzidine	252	11.740	11.756	-0.016	71	867582	81.1	
206 Benzo[a]anthracene	228	11.793	11.803	-0.010	99	2139785	79.0	
207 Chrysene	228	11.881	11.897	-0.016	95	1988468	78.3	
209 Di-n-octyl phthalate	149	13.485	13.501	-0.016	99	2422950	84.4	
211 Benzo[b]fluoranthene	252	14.677	14.693	-0.016	93	2007838	78.5	
212 Benzo[k]fluoranthene	252	14.760	14.776	-0.016	99	2188601	80.5	
214 Benzo[e]pyrene	252	15.524	15.545	-0.021	95	1771190	80.0	
215 Benzo[a]pyrene	252	15.676	15.704	-0.028	77	2027908	80.3	
221 Dibenz(a,h)anthracene	278	19.301	19.317	-0.016	84	1875372	80.0	
222 Indeno[1,2,3-cd]pyrene	276	19.231	19.217	-0.016	98	1880476	81.8	
223 Benzo[g,h,i]perylene	276	19.795	19.811	-0.016	94	1985709	79.8	
S 225 Methyl Phenols,Total	108				0		158.9	
S 226 Total Cresols	108				0		158.9	

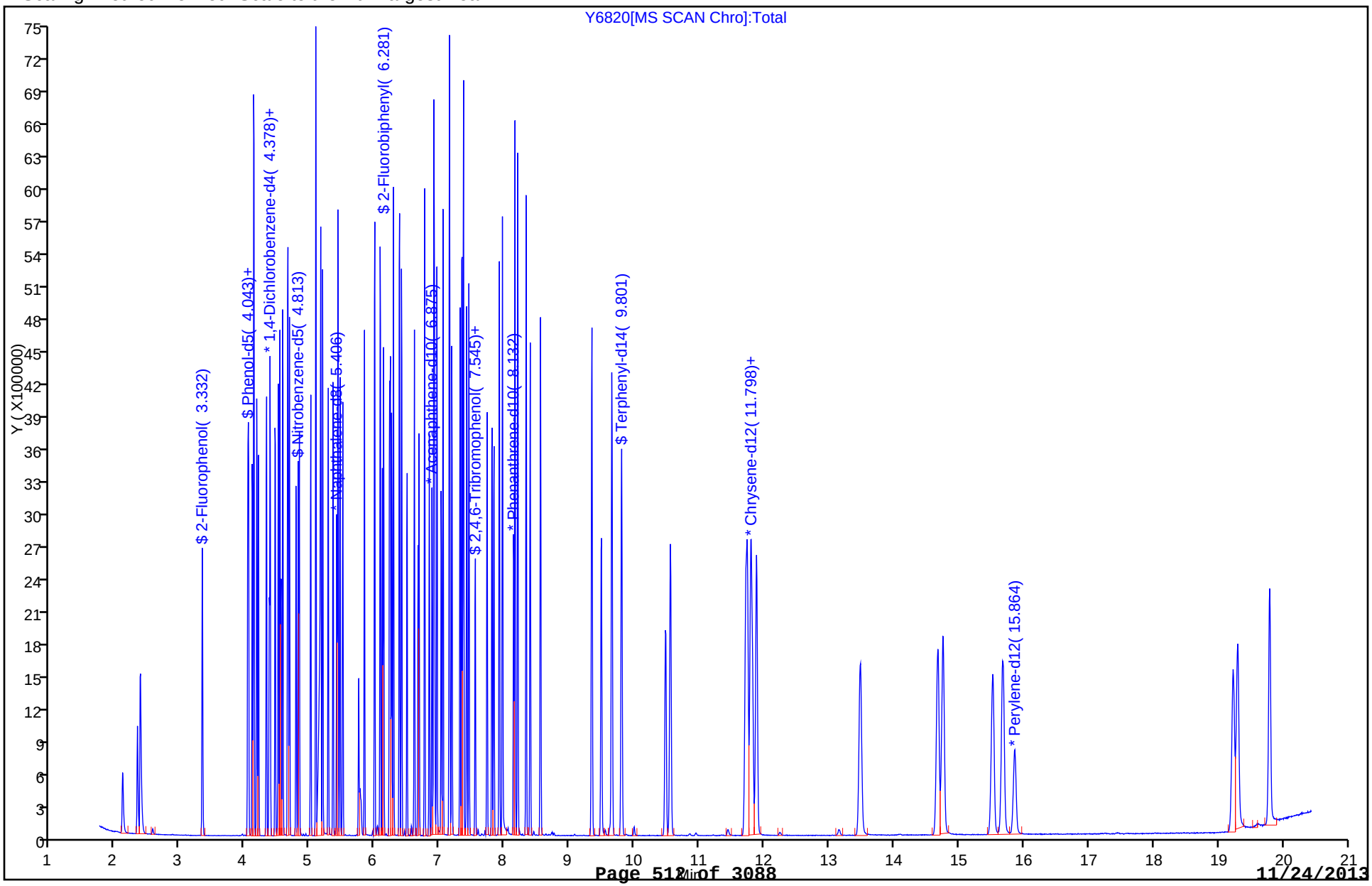
Report Date: 10-Oct-2013 08:49:34 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6820.D

Injection Date:	07-Oct-2013 13:28:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	5
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6821.D
Lims ID: IC HSL050 Client ID:
Inject. Date: 07-Oct-2013 13:55:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: IC HSLA050
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 6
Lims Batch ID: 194745 Lims Sample ID: 6
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:35 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:12:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.366	4.370	-0.004	97	239093	40.0	
* 2 Naphthalene-d8	136	5.406	5.410	-0.004	100	961197	40.0	
* 3 Acenaphthene-d10	164	6.875	6.879	-0.004	89	557758	40.0	
* 4 Phenanthrene-d10	188	8.133	8.142	-0.009	97	907833	40.0	
* 5 Chrysene-d12	240	11.816	11.832	-0.016	84	948717	40.0	
* 6 Perylene-d12	264	15.859	15.880	-0.021	97	869979	40.0	
$ 7 2-Fluorophenol	112	3.332	3.336	-0.004	91	447478	51.0	
$ 8 Phenol-d5	99	4.031	4.035	-0.004	93	579627	51.3	
$ 9 Nitrobenzene-d5	82	4.813	4.817	-0.004	88	522517	51.5	
$ 11 2-Fluorobiphenyl	172	6.282	6.286	-0.004	99	904586	51.0	
$ 12 2,4,6-Tribromophenol	330	7.545	7.549	-0.004	92	147644	51.5	
$ 13 Terphenyl-d14	244	9.795	9.811	-0.016	98	976213	50.9	
27 1,4-Dioxane	88	2.104	2.114	-0.010	91	210499	50.9	
28 N-Nitrosodimethylamine	74	2.333	2.343	-0.010	85	306691	51.3	
29 Pyridine	79	2.375	2.384	-0.009	97	522347	50.3	
40 Phenol	94	4.043	4.047	-0.004	99	596469	51.3	
43 Aniline	93	4.102	4.112	-0.010	98	740169	49.7	
44 Alpha Methyl Styrene	118	4.125	4.135	-0.010	95	484252	51.9	
45 Bis(2-chloroethyl)ether	93	4.125	4.135	-0.010	91	466653	54.0	
47 n-Decane	43	4.172	4.176	-0.004	87	387840	50.9	
48 2-Chlorophenol	128	4.196	4.206	-0.010	96	474428	51.3	
49 1,3-Dichlorobenzene	146	4.319	4.329	-0.010	96	495606	50.7	
50 1,4-Dichlorobenzene	146	4.378	4.382	-0.004	92	509707	51.4	
51 Benzyl alcohol	108	4.454	4.458	-0.004	91	324466	51.9	
52 1,2-Dichlorobenzene	146	4.507	4.511	-0.004	96	487235	51.6	
54 2-Methylphenol	108	4.525	4.529	-0.004	96	450205	51.1	
55 2,2'-oxybis[1-chloropropane]	45	4.543	4.552	-0.009	91	513681	51.4	
56 Indene	116	4.572	4.576	-0.004	84	781008	51.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.648	4.652	-0.004	96	474326	52.1	
59 4-Methylphenol	108	4.648	4.652	-0.004	96	474326	52.1	
60 3 & 4 Methylphenol	108	4.648	4.652	-0.004	96	474326	52.1	
61 N-Nitrosodi-n-propylamine	70	4.654	4.664	-0.010	85	344439	50.9	
63 Acetophenone	105	4.678	4.682	-0.004	98	662936	51.2	
66 Hexachloroethane	117	4.778	4.781	-0.003	98	206129	50.9	
67 Nitrobenzene	77	4.825	4.834	-0.009	88	516153	51.6	
71 Isophorone	82	5.001	5.011	-0.010	97	891121	51.5	
73 2,4-Dimethylphenol	107	5.083	5.087	-0.004	91	473824	51.3	
74 2-Nitrophenol	139	5.083	5.093	-0.010	95	250761	53.1	
77 Benzoic acid	105	5.148	5.110	-0.010	86	769399	101.5	
78 Bis(2-chloroethoxy)methane	93	5.160	5.163	-0.003	99	539900	51.3	
79 3,5-Dimethylphenol	107	5.189	5.193	-0.004	93	499108	51.7	
82 2,4-Dichlorophenol	162	5.277	5.281	-0.004	95	379268	51.2	
84 1,2,4-Trichlorobenzene	180	5.348	5.357	-0.009	91	401003	51.2	
87 Naphthalene	128	5.424	5.428	-0.004	98	1319798	53.6	
88 4-Chloroaniline	127	5.453	5.463	-0.010	84	594510	51.3	
91 Hexachlorobutadiene	225	5.500	5.504	-0.004	95	227234	51.4	
94 Caprolactam	55	5.741	5.755	-0.004	78	193110	51.5	
97 4-Chloro-3-methylphenol	107	5.829	5.839	-0.010	93	416336	51.1	
101 2-Methylnaphthalene	142	5.988	5.998	-0.010	89	893555	53.6	
103 1-Methylnaphthalene	142	6.076	6.080	-0.004	83	824350	53.0	
105 Hexachlorocyclopentadiene	237	6.111	6.115	-0.004	97	252975	51.5	
106 1,2,4,5-Tetrachlorobenzene	216	6.129	6.133	-0.004	98	370101	50.6	
108 2,4,6-Trichlorophenol	196	6.217	6.227	-0.010	91	255621	50.9	
109 2,3-Dichlorobenzenamine	161	6.229	6.239	-0.010	93	460985	50.6	
110 2,4,5-Trichlorophenol	196	6.252	6.256	-0.004	90	267737	50.4	
112 1,1'-Biphenyl	154	6.370	6.380	-0.010	95	1072285	51.2	
114 2-Chloronaphthalene	162	6.405	6.409	-0.004	98	806078	51.0	
116 2-Nitroaniline	65	6.487	6.497	-0.010	83	282190	52.2	
119 Dimethyl phthalate	163	6.605	6.609	-0.004	99	917308	51.1	
120 1,3-Dinitrobenzene	168	6.658	6.668	-0.010	85	157529	52.1	
121 2,6-Dinitrotoluene	165	6.675	6.679	-0.004	92	214255	50.8	
122 Acenaphthylene	152	6.764	6.767	-0.003	91	1298885	51.7	
123 3-Nitroaniline	138	6.834	6.838	-0.004	95	272577	51.3	
124 Acenaphthene	153	6.905	6.908	-0.003	93	813271	51.4	
126 2,4-Dinitrophenol	184	6.916	6.920	-0.004	86	265649	103.1	
127 4-Nitrophenol	109	6.952	6.955	-0.003	87	330623	103.0	
130 2,4-Dinitrotoluene	165	7.016	7.026	-0.010	84	288601	51.4	
132 Dibenzofuran	168	7.046	7.049	-0.003	88	1133251	51.1	
134 2,3,4,6-Tetrachlorophenol	232	7.140	7.149	-0.009	76	223738	51.7	
136 Hexadecane	57	7.145	7.155	-0.010	93	529923	51.5	
139 Diethyl phthalate	149	7.181	7.185	-0.004	97	909648	51.5	
142 4-Chlorophenyl phenyl ether	204	7.310	7.314	-0.004	94	431600	50.7	
143 Fluorene	166	7.333	7.343	-0.010	83	936689	51.0	
146 4-Nitroaniline	138	7.351	7.361	-0.010	78	268979	51.4	
147 4,6-Dinitro-2-methylphenol	198	7.363	7.367	-0.004	85	347644	109.0	
150 N-Nitrosodiphenylamine	169	7.410	7.420	-0.010	61	671677	51.4	
151 1,2-Diphenylhydrazine	77	7.445	7.449	-0.004	98	1052199	52.5	
152 Azobenzene	77	7.445	7.449	-0.004	99	1052199	51.9	
155 2,4,6 - Tribromophenol	330	7.545	7.549	-0.004	92	147644	51.5	
164 4-Bromophenyl phenyl ether	248	7.727	7.731	-0.004	63	263590	51.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.798	7.807	-0.009	88	285287	50.9	
167 Atrazine	200	7.827	7.837	-0.010	88	237196	52.0	
169 n-Octadecane	85	7.915	7.919	-0.004	96	275332	52.8	
171 Pentachlorophenol	266	7.962	7.966	-0.004	90	327856	99.7	
176 Phenanthrene	178	8.156	8.160	-0.004	98	1336935	52.2	
177 Anthracene	178	8.197	8.207	-0.010	98	1364932	51.6	
178 Carbazole	167	8.326	8.336	-0.010	82	1296110	52.2	
179 Alachlor	188	8.391	8.395	-0.004	94	182969	52.7	
181 Di-n-butyl phthalate	149	8.550	8.554	-0.004	100	1522071	52.8	
188 Fluoranthene	202	9.337	9.347	-0.010	98	1421280	52.4	
189 Benzidine	184	9.484	9.494	-0.010	99	875306	54.2	
191 Pyrene	202	9.648	9.658	-0.010	97	1469921	51.2	
197 Famphur	218	10.477	10.476	-0.015	85	526030	51.7	
198 Butyl benzyl phthalate	149	10.553	10.563	-0.010	97	677976	51.1	
203 Bis(2-ethylhexyl) phthalate	149	11.711	11.726	-0.015	96	892009	51.9	
205 3,3'-Dichlorobenzidine	252	11.734	11.756	-0.022	73	545896	52.3	
206 Benzo[a]anthracene	228	11.787	11.803	-0.016	99	1330539	50.4	
207 Chrysene	228	11.875	11.897	-0.022	94	1257577	50.8	
209 Di-n-octyl phthalate	149	13.479	13.501	-0.022	99	1491163	53.3	
211 Benzo[b]fluoranthene	252	14.672	14.693	-0.021	94	1288571	52.2	
212 Benzo[k]fluoranthene	252	14.748	14.776	-0.028	99	1337799	51.0	
214 Benzo[e]pyrene	252	15.512	15.545	-0.033	95	1102765	51.6	
215 Benzo[a]pyrene	252	15.677	15.704	-0.027	77	1280386	52.5	
221 Dibenz(a,h)anthracene	278	19.296	19.317	-0.021	79	1167049	51.6	
222 Indeno[1,2,3-cd]pyrene	276	19.225	19.217	-0.022	95	1165158	52.0	
223 Benzo[g,h,i]perylene	276	19.789	19.811	-0.022	97	1244887	51.9	
S 225 Methyl Phenols,Total	108				0		103.2	
S 226 Total Cresols	108				0		103.2	

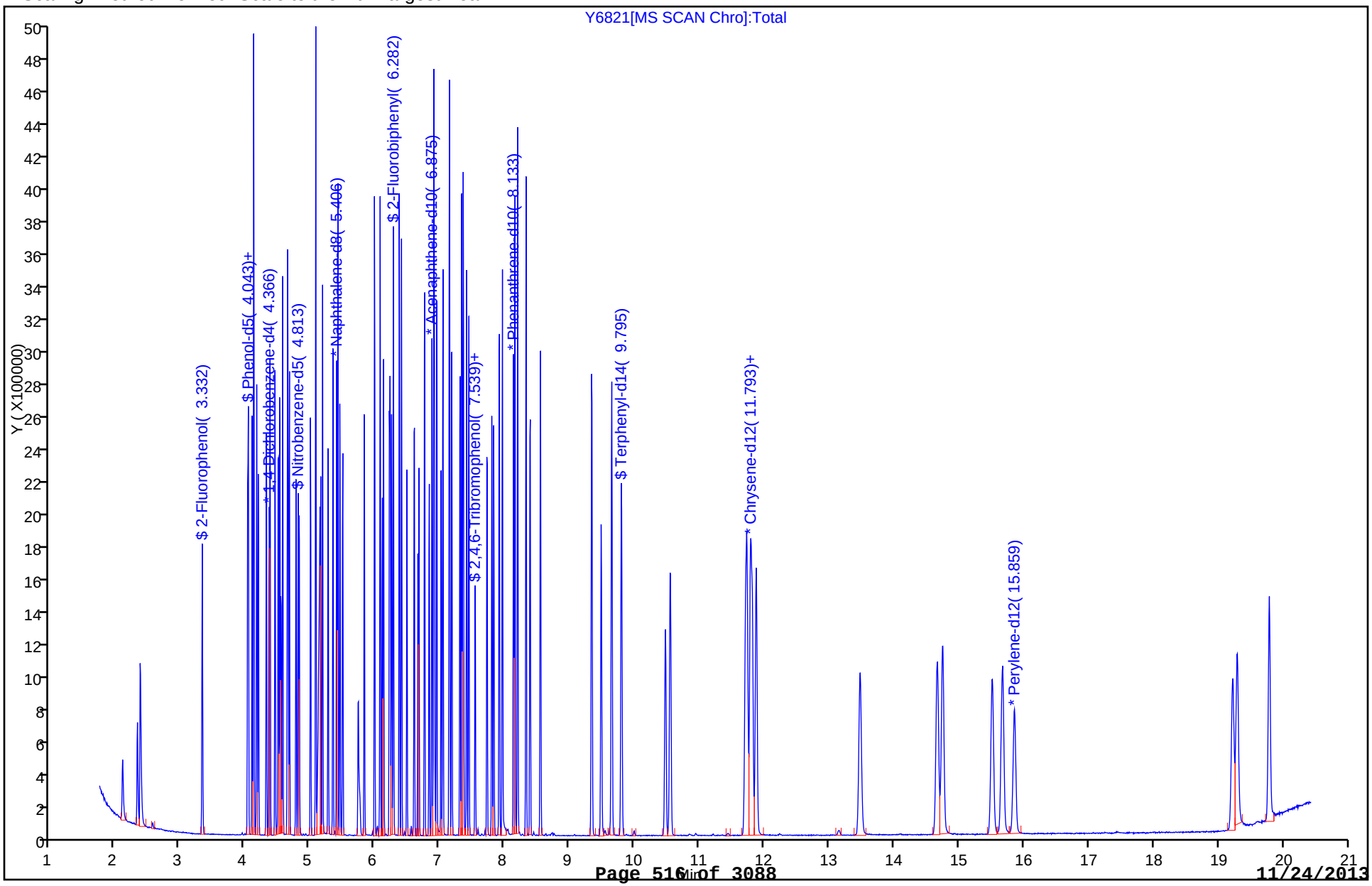
Report Date: 10-Oct-2013 08:49:36 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6821.D

Injection Date:	07-Oct-2013 13:55:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	6
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6822.D
Lims ID: IC HSL020 Client ID:
Inject. Date: 07-Oct-2013 14:22:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: IC HSLA020
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 7
Lims Batch ID: 194745 Lims Sample ID: 7
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:38 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:13:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.364	4.370	-0.006	98	235385	40.0	
* 2 Naphthalene-d8	136	5.404	5.410	-0.006	100	953715	40.0	
* 3 Acenaphthene-d10	164	6.873	6.879	-0.006	93	541761	40.0	
* 4 Phenanthrene-d10	188	8.136	8.142	-0.006	97	915721	40.0	
* 5 Chrysene-d12	240	11.814	11.832	-0.018	80	939005	40.0	
* 6 Perylene-d12	264	15.856	15.880	-0.024	97	887803	40.0	
$ 7 2-Fluorophenol	112	3.330	3.336	-0.006	92	178288	20.6	
$ 8 Phenol-d5	99	4.035	4.035	0.0	95	229783	20.7	
$ 9 Nitrobenzene-d5	82	4.810	4.817	-0.007	86	205445	20.4	
$ 11 2-Fluorobiphenyl	172	6.279	6.286	-0.007	99	361607	21.0	
$ 12 2,4,6-Tribromophenol	330	7.542	7.549	-0.007	91	55176	19.8	
$ 13 Terphenyl-d14	244	9.799	9.811	-0.012	98	388619	20.5	
27 1,4-Dioxane	88	2.102	2.114	-0.012	90	83206	20.4	
28 N-Nitrosodimethylamine	74	2.331	2.343	-0.012	84	122571	20.8	
29 Pyridine	79	2.378	2.384	-0.006	98	206762	20.2	
40 Phenol	94	4.041	4.047	-0.006	99	243490	21.3	
43 Aniline	93	4.099	4.112	-0.013	97	308868	21.1	
44 Alpha Methyl Styrene	118	4.129	4.135	-0.006	94	193974	21.1	
45 Bis(2-chloroethyl)ether	93	4.129	4.135	-0.006	91	180520	20.9	
47 n-Decane	43	4.170	4.176	-0.006	88	158703	21.2	
48 2-Chlorophenol	128	4.199	4.206	-0.007	95	189551	20.8	
49 1,3-Dichlorobenzene	146	4.323	4.329	-0.006	96	199657	20.8	
50 1,4-Dichlorobenzene	146	4.376	4.382	-0.006	89	201386	20.6	
51 Benzyl alcohol	108	4.452	4.458	-0.006	92	126033	20.5	
52 1,2-Dichlorobenzene	146	4.505	4.511	-0.006	95	195572	21.0	
54 2-Methylphenol	108	4.528	4.529	-0.001	94	183653	21.2	
55 2,2'-oxybis[1-chloropropane]	45	4.546	4.552	-0.006	91	207018	21.0	
56 Indene	116	4.575	4.576	-0.001	81	317177	21.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.646	4.652	-0.006	97	187854	21.0	
59 4-Methylphenol	108	4.646	4.652	-0.006	97	187854	21.0	
60 3 & 4 Methylphenol	108	4.646	4.652	-0.006	97	187854	21.0	
61 N-Nitrosodi-n-propylamine	70	4.652	4.664	-0.012	85	138411	20.8	
63 Acetophenone	105	4.675	4.682	-0.007	96	265241	20.8	
66 Hexachloroethane	117	4.781	4.781	0.0	96	81676	20.5	
67 Nitrobenzene	77	4.828	4.834	-0.006	87	205045	20.7	
71 Isophorone	82	5.004	5.011	-0.007	97	357338	20.8	
73 2,4-Dimethylphenol	107	5.081	5.087	-0.006	93	195226	21.3	
74 2-Nitrophenol	139	5.086	5.093	-0.007	93	96049	20.5	
77 Benzoic acid	105	5.128	5.110	-0.030	86	286903	39.2	
78 Bis(2-chloroethoxy)methane	93	5.157	5.163	-0.006	99	219340	21.0	
79 3,5-Dimethylphenol	107	5.186	5.193	-0.007	94	202722	21.2	
82 2,4-Dichlorophenol	162	5.274	5.281	-0.007	95	152337	20.7	
84 1,2,4-Trichlorobenzene	180	5.351	5.357	-0.006	93	159083	20.5	
87 Naphthalene	128	5.421	5.428	-0.007	98	531550	21.3	
88 4-Chloroaniline	127	5.457	5.463	-0.006	85	240694	20.9	
91 Hexachlorobutadiene	225	5.498	5.504	-0.006	96	92234	21.0	
94 Caprolactam	55	5.733	5.755	-0.012	77	73606	19.8	
97 4-Chloro-3-methylphenol	107	5.833	5.839	-0.006	91	166216	20.6	
101 2-Methylnaphthalene	142	5.991	5.998	-0.007	86	355416	20.9	
103 1-Methylnaphthalene	142	6.079	6.080	-0.001	92	331253	21.0	
105 Hexachlorocyclopentadiene	237	6.109	6.115	-0.006	97	93054	19.5	
106 1,2,4,5-Tetrachlorobenzene	216	6.126	6.133	-0.007	98	149067	20.5	
108 2,4,6-Trichlorophenol	196	6.220	6.227	-0.007	91	98882	20.3	
109 2,3-Dichlorobenzenamine	161	6.232	6.239	-0.007	92	183197	20.7	
110 2,4,5-Trichlorophenol	196	6.256	6.256	0.0	94	104610	20.3	
112 1,1'-Biphenyl	154	6.373	6.380	-0.007	94	434072	21.3	
114 2-Chloronaphthalene	162	6.403	6.409	-0.006	100	316806	20.6	
116 2-Nitroaniline	65	6.491	6.497	-0.006	82	110168	21.0	
119 Dimethyl phthalate	163	6.602	6.609	-0.007	98	360341	20.7	
120 1,3-Dinitrobenzene	168	6.655	6.668	-0.013	82	59367	20.2	
121 2,6-Dinitrotoluene	165	6.673	6.679	-0.006	87	85873	21.0	
122 Acenaphthylene	152	6.761	6.767	-0.006	90	519528	21.3	
123 3-Nitroaniline	138	6.831	6.838	-0.007	94	107923	20.9	
124 Acenaphthene	153	6.902	6.908	-0.006	93	326197	21.2	
126 2,4-Dinitrophenol	184	6.914	6.920	-0.006	86	88127	38.3	
127 4-Nitrophenol	109	6.943	6.955	-0.012	91	129696	41.6	
130 2,4-Dinitrotoluene	165	7.014	7.026	-0.012	81	111642	20.5	
132 Dibenzofuran	168	7.043	7.049	-0.006	88	453688	21.1	
134 2,3,4,6-Tetrachlorophenol	232	7.143	7.149	-0.006	76	84282	20.0	
136 Hexadecane	57	7.143	7.155	-0.012	93	213270	21.4	
139 Diethyl phthalate	149	7.178	7.185	-0.007	96	359667	21.0	
142 4-Chlorophenyl phenyl ether	204	7.307	7.314	-0.007	94	168830	20.4	
143 Fluorene	166	7.331	7.343	-0.012	85	378075	21.2	
146 4-Nitroaniline	138	7.349	7.361	-0.012	78	107422	21.1	
147 4,6-Dinitro-2-methylphenol	198	7.360	7.367	-0.007	85	123856	38.5	
150 N-Nitrosodiphenylamine	169	7.407	7.420	-0.013	60	266797	20.2	
151 1,2-Diphenylhydrazine	77	7.443	7.449	-0.006	98	420514	21.6	
152 Azobenzene	77	7.443	7.449	-0.006	99	420514	21.4	
155 2,4,6 - Tribromophenol	330	7.542	7.549	-0.007	91	55176	19.8	
164 4-Bromophenyl phenyl ether	248	7.725	7.731	-0.006	63	103532	19.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.801	7.807	-0.006	91	109341	19.3	
167 Atrazine	200	7.824	7.837	-0.013	89	96461	21.0	
169 n-Octadecane	85	7.913	7.919	-0.006	95	109501	20.8	
171 Pentachlorophenol	266	7.960	7.966	-0.006	85	113710	36.6	
176 Phenanthrene	178	8.153	8.160	-0.007	98	538670	20.9	
177 Anthracene	178	8.195	8.207	-0.012	97	559817	21.0	
178 Carbazole	167	8.324	8.336	-0.012	83	520749	20.8	
179 Alachlor	188	8.388	8.395	-0.007	95	69668	19.9	
181 Di-n-butyl phthalate	149	8.547	8.554	-0.007	100	605546	20.8	
188 Fluoranthene	202	9.340	9.347	-0.007	98	562094	20.6	
189 Benzidine	184	9.487	9.494	-0.007	98	337916	21.2	
191 Pyrene	202	9.646	9.658	-0.012	95	580579	20.4	
197 Famphur	218	10.474	10.476	-0.018	85	209902	20.1	
198 Butyl benzyl phthalate	149	10.551	10.563	-0.012	95	262496	20.0	
203 Bis(2-ethylhexyl) phthalate	149	11.714	11.726	-0.012	97	334813	19.7	
205 3,3'-Dichlorobenzidine	252	11.737	11.756	-0.019	65	208733	20.2	
206 Benzo[a]anthracene	228	11.790	11.803	-0.013	99	527912	20.2	
207 Chrysene	228	11.873	11.897	-0.024	94	500967	20.4	
209 Di-n-octyl phthalate	149	13.477	13.501	-0.024	99	539929	19.5	
211 Benzo[b]fluoranthene	252	14.663	14.693	-0.030	92	497674	19.8	
212 Benzo[k]fluoranthene	252	14.746	14.776	-0.030	99	539019	20.1	
214 Benzo[e]pyrene	252	15.510	15.545	-0.035	97	438720	20.1	
215 Benzo[a]pyrene	252	15.668	15.704	-0.036	73	493704	19.9	
221 Dibenz(a,h)anthracene	278	19.293	19.317	-0.024	70	444997	19.3	
222 Indeno[1,2,3-cd]pyrene	276	19.217	19.217	-0.030	98	433904	19.6	
223 Benzo[g,h,i]perylene	276	19.781	19.811	-0.030	90	481934	19.7	
S 225 Methyl Phenols,Total	108				0		42.1	
S 226 Total Cresols	108				0		42.1	

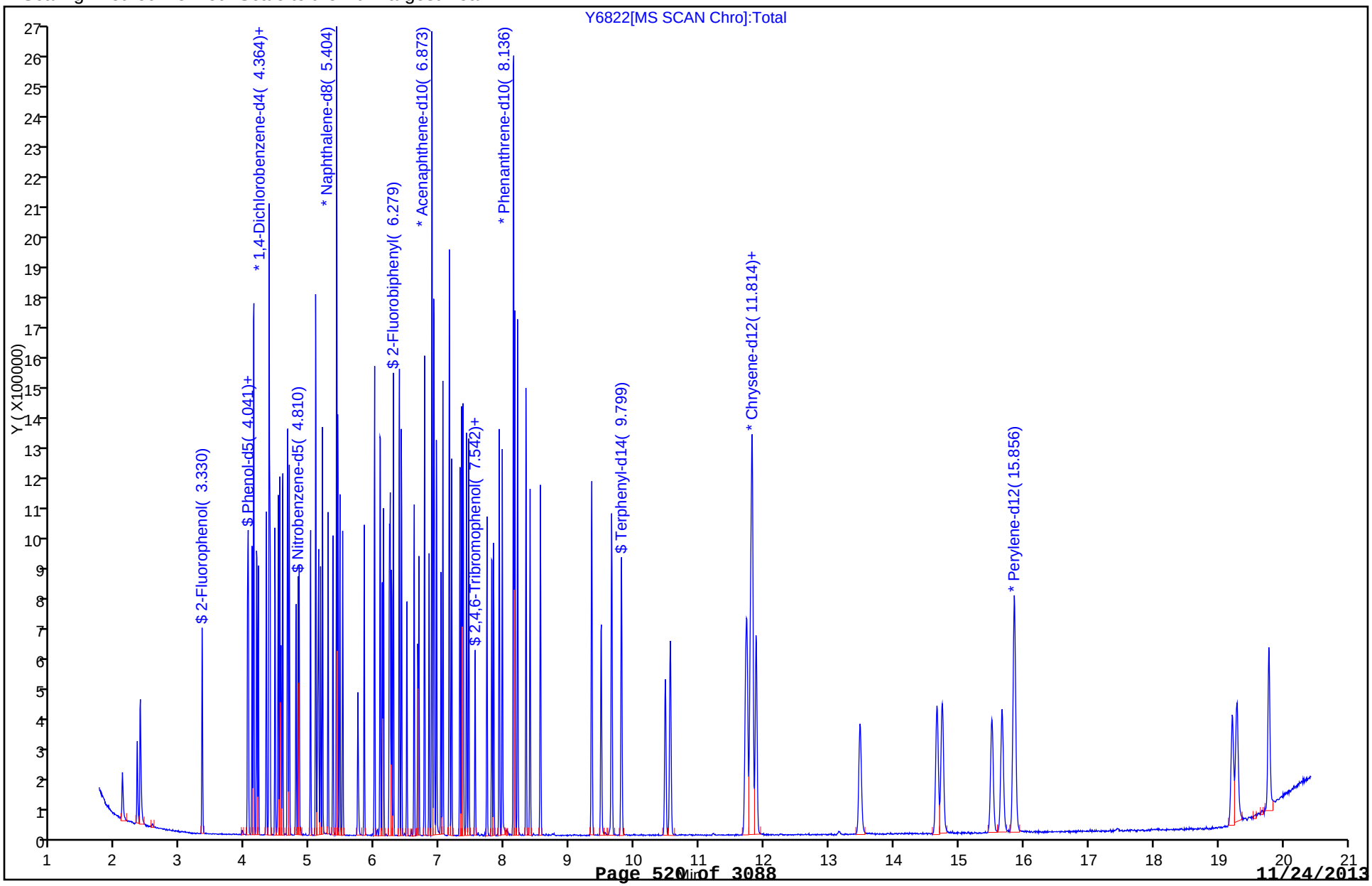
Report Date: 10-Oct-2013 08:49:39 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6822.D

Injection Date:	07-Oct-2013 14:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	7
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6823.D
Lims ID: IC HSL010 Client ID:
Inject. Date: 07-Oct-2013 14:50:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: IC HSLA010
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 8
Lims Batch ID: 194745 Lims Sample ID: 8
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:41 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:17:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.363	4.370	-0.007	98	263698	40.0	
* 2 Naphthalene-d8	136	5.403	5.410	-0.007	100	1056808	40.0	
* 3 Acenaphthene-d10	164	6.872	6.879	-0.007	91	608605	40.0	
* 4 Phenanthrene-d10	188	8.135	8.142	-0.007	97	1008425	40.0	
* 5 Chrysene-d12	240	11.813	11.832	-0.019	84	1038828	40.0	
* 6 Perylene-d12	264	15.856	15.880	-0.024	97	990585	40.0	
$ 7 2-Fluorophenol	112	3.329	3.336	-0.007	90	96868	10.0	
$ 8 Phenol-d5	99	4.028	4.035	-0.007	91	130985	10.5	
$ 9 Nitrobenzene-d5	82	4.810	4.817	-0.007	88	116301	10.4	
$ 11 2-Fluorobiphenyl	172	6.279	6.286	-0.007	99	199549	10.3	
$ 12 2,4,6-Tribromophenol	330	7.542	7.549	-0.007	92	29226	9.34	
$ 13 Terphenyl-d14	244	9.798	9.811	-0.013	97	210330	10.0	
27 1,4-Dioxane	88	2.101	2.114	-0.013	90	46860	10.3	
28 N-Nitrosodimethylamine	74	2.330	2.343	-0.013	83	65468	9.94	
29 Pyridine	79	2.377	2.384	-0.007	94	114282	9.98	
40 Phenol	94	4.040	4.047	-0.007	99	135549	10.6	
43 Aniline	93	4.099	4.112	-0.013	97	172136	10.5	
44 Alpha Methyl Styrene	118	4.122	4.135	-0.013	95	109055	10.6	
45 Bis(2-chloroethyl)ether	93	4.122	4.135	-0.013	87	98512	9.87	
47 n-Decane	43	4.169	4.176	-0.007	87	86858	10.3	
48 2-Chlorophenol	128	4.199	4.206	-0.007	95	105183	10.3	
49 1,3-Dichlorobenzene	146	4.322	4.329	-0.007	96	109325	10.1	
50 1,4-Dichlorobenzene	146	4.381	4.382	-0.001	93	113117	10.3	
51 Benzyl alcohol	108	4.451	4.458	-0.007	91	68323	9.91	
52 1,2-Dichlorobenzene	146	4.504	4.511	-0.007	94	106928	10.3	
54 2-Methylphenol	108	4.528	4.529	-0.001	95	100066	10.3	
55 2,2'-oxybis[1-chloropropane]	45	4.545	4.552	-0.007	88	114107	10.3	
56 Indene	116	4.575	4.576	-0.001	76	171198	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.645	4.652	-0.007	97	103866	10.3	
59 4-Methylphenol	108	4.645	4.652	-0.007	97	103866	10.3	
60 3 & 4 Methylphenol	108	4.645	4.652	-0.007	97	103866	10.3	
61 N-Nitrosodi-n-propylamine	70	4.651	4.664	-0.013	84	76164	10.2	
63 Acetophenone	105	4.675	4.682	-0.007	96	147298	10.3	
66 Hexachloroethane	117	4.780	4.781	-0.001	95	47035	10.5	
67 Nitrobenzene	77	4.827	4.834	-0.007	86	112537	10.2	
71 Isophorone	82	5.004	5.011	-0.007	97	198539	10.4	
73 2,4-Dimethylphenol	107	5.080	5.087	-0.007	93	107138	10.6	
74 2-Nitrophenol	139	5.086	5.093	-0.007	94	53342	10.3	
77 Benzoic acid	105	5.115	5.110	-0.043	86	148664	19.2	A
78 Bis(2-chloroethoxy)methane	93	5.156	5.163	-0.007	99	119473	10.3	
79 3,5-Dimethylphenol	107	5.186	5.193	-0.007	94	108480	10.2	
82 2,4-Dichlorophenol	162	5.274	5.281	-0.007	94	81362	10.0	
84 1,2,4-Trichlorobenzene	180	5.350	5.357	-0.007	93	89791	10.4	
87 Naphthalene	128	5.421	5.428	-0.007	98	297248	10.3	
88 4-Chloroaniline	127	5.456	5.463	-0.007	85	131649	10.3	
91 Hexachlorobutadiene	225	5.497	5.504	-0.007	96	48604	10.0	
94 Caprolactam	55	5.732	5.755	-0.013	70	41651	10.1	
97 4-Chloro-3-methylphenol	107	5.832	5.839	-0.007	89	92656	10.3	
101 2-Methylnaphthalene	142	5.991	5.998	-0.007	87	202472	10.3	
103 1-Methylnaphthalene	142	6.079	6.080	-0.001	83	184001	10.1	
105 Hexachlorocyclopentadiene	237	6.108	6.115	-0.007	93	48275	9.01	
106 1,2,4,5-Tetrachlorobenzene	216	6.126	6.133	-0.007	97	83324	10.4	
108 2,4,6-Trichlorophenol	196	6.220	6.227	-0.007	91	55379	10.1	
109 2,3-Dichlorobenzenamine	161	6.232	6.239	-0.007	92	103343	10.4	
110 2,4,5-Trichlorophenol	196	6.255	6.256	-0.001	93	58293	10.1	
112 1,1'-Biphenyl	154	6.373	6.380	-0.007	94	241583	10.6	
114 2-Chloronaphthalene	162	6.408	6.409	-0.001	98	177037	10.3	
116 2-Nitroaniline	65	6.490	6.497	-0.007	83	58842	9.97	
119 Dimethyl phthalate	163	6.602	6.609	-0.007	98	202457	10.3	
120 1,3-Dinitrobenzene	168	6.661	6.668	-0.008	86	30661	9.30	
121 2,6-Dinitrotoluene	165	6.672	6.679	-0.007	88	46589	10.1	
122 Acenaphthylene	152	6.760	6.767	-0.007	89	287392	10.5	
123 3-Nitroaniline	138	6.831	6.838	-0.007	93	57081	9.85	
124 Acenaphthene	153	6.901	6.908	-0.007	94	179467	10.4	
126 2,4-Dinitrophenol	184	6.913	6.920	-0.007	83	38962	17.9	
127 4-Nitrophenol	109	6.943	6.955	-0.012	91	71376	20.4	
130 2,4-Dinitrotoluene	165	7.013	7.026	-0.013	82	59985	9.79	
132 Dibenzofuran	168	7.042	7.049	-0.007	83	254493	10.5	
134 2,3,4,6-Tetrachlorophenol	232	7.142	7.149	-0.007	76	46922	9.93	
136 Hexadecane	57	7.148	7.155	-0.007	93	120589	10.7	
139 Diethyl phthalate	149	7.178	7.185	-0.007	96	195751	10.2	
142 4-Chlorophenyl phenyl ether	204	7.307	7.314	-0.007	94	95629	10.3	
143 Fluorene	166	7.330	7.343	-0.013	83	210778	10.5	
146 4-Nitroaniline	138	7.348	7.361	-0.013	79	59226	10.4	
147 4,6-Dinitro-2-methylphenol	198	7.360	7.367	-0.007	83	62292	17.6	
150 N-Nitrosodiphenylamine	169	7.407	7.420	-0.013	60	149432	10.3	
151 1,2-Diphenylhydrazine	77	7.442	7.449	-0.007	98	230765	10.6	
152 Azobenzene	77	7.442	7.449	-0.007	99	230765	10.4	
155 2,4,6 - Tribromophenol	330	7.542	7.549	-0.007	92	29226	9.34	
164 4-Bromophenyl phenyl ether	248	7.724	7.731	-0.007	63	56509	9.84	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.800	7.807	-0.007	88	62131	9.98	
167 Atrazine	200	7.824	7.837	-0.013	88	52385	10.3	
169 n-Octadecane	85	7.912	7.919	-0.007	94	58462	10.1	
171 Pentachlorophenol	266	7.959	7.966	-0.007	85	59259	19.1	
176 Phenanthrene	178	8.153	8.160	-0.007	98	293128	10.3	
177 Anthracene	178	8.194	8.207	-0.013	98	309281	10.5	
178 Carbazole	167	8.323	8.336	-0.013	83	285417	10.4	
179 Alachlor	188	8.388	8.395	-0.007	94	39063	10.1	
181 Di-n-butyl phthalate	149	8.547	8.554	-0.007	100	330106	10.3	
188 Fluoranthene	202	9.340	9.347	-0.007	98	311095	10.3	
189 Benzidine	184	9.487	9.494	-0.007	97	178102	10.2	
191 Pyrene	202	9.645	9.658	-0.013	97	319109	10.1	
197 Famphur	218	10.474	10.476	-0.018	83	111938	9.50	
198 Butyl benzyl phthalate	149	10.550	10.563	-0.013	96	140346	9.65	
203 Bis(2-ethylhexyl) phthalate	149	11.713	11.726	-0.013	96	179542	9.53	
205 3,3'-Dichlorobenzidine	252	11.737	11.756	-0.019	59	113466	9.93	
206 Benzo[a]anthracene	228	11.784	11.803	-0.019	99	292294	10.1	
207 Chrysene	228	11.872	11.897	-0.025	94	277834	10.2	
209 Di-n-octyl phthalate	149	13.476	13.501	-0.025	97	272339	8.88	
211 Benzo[b]fluoranthene	252	14.669	14.693	-0.024	90	270820	9.64	
212 Benzo[k]fluoranthene	252	14.745	14.776	-0.031	95	285306	9.55	
214 Benzo[e]pyrene	252	15.509	15.545	-0.036	96	231474	9.52	
215 Benzo[a]pyrene	252	15.668	15.704	-0.036	68	263139	9.48	
221 Dibenz(a,h)anthracene	278	19.293	19.317	-0.024	78	235552	9.15	
222 Indeno[1,2,3-cd]pyrene	276	19.216	19.217	-0.031	95	234556	9.57	
223 Benzo[g,h,i]perylene	276	19.780	19.811	-0.031	92	260827	9.55	
S 225 Methyl Phenols,Total	108				0		20.6	
S 226 Total Cresols	108				0		20.6	

QC Flag Legend

Review Flags
A - User Assigned ID

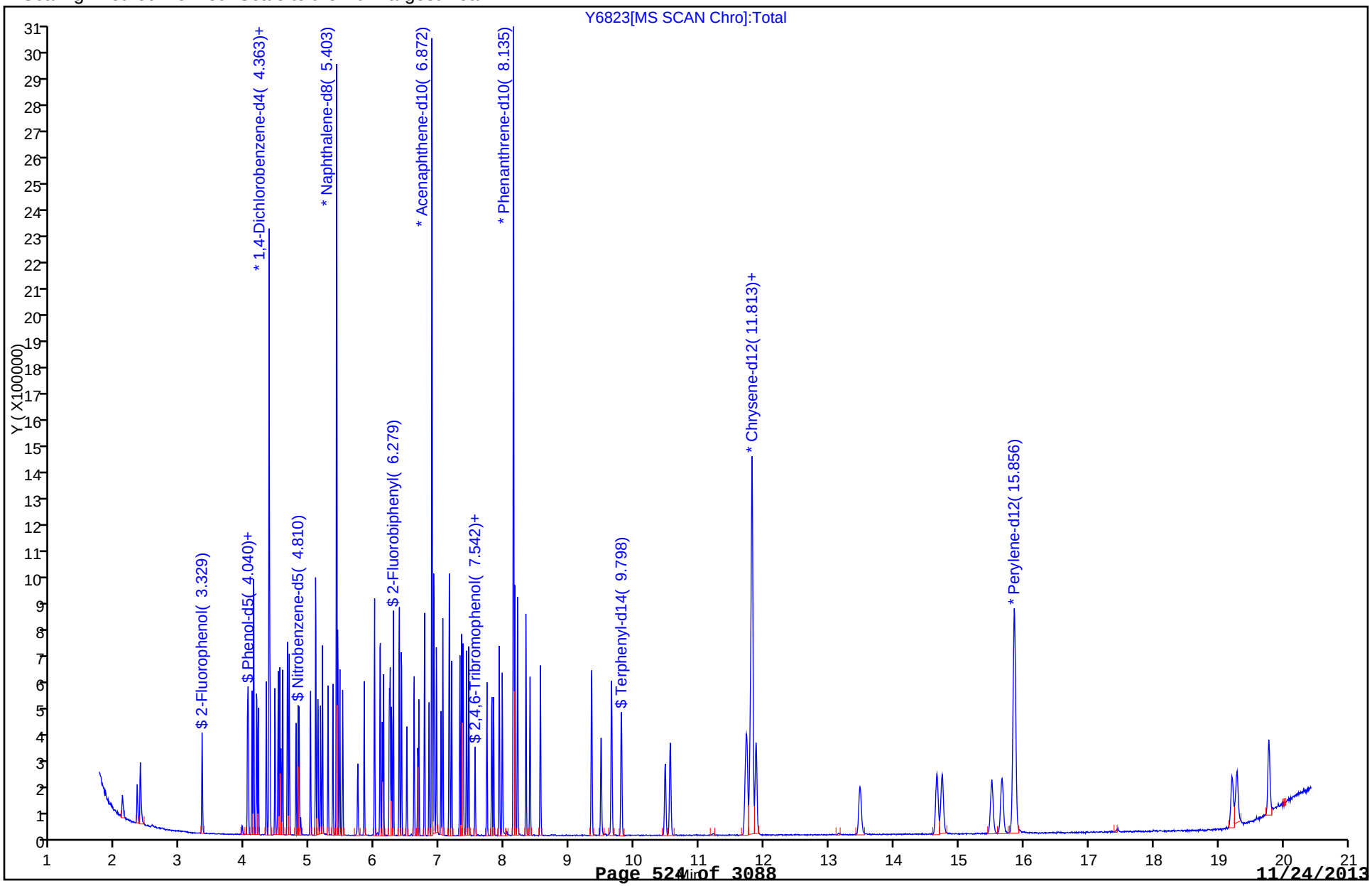
Report Date: 10-Oct-2013 08:49:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6823.D

Injection Date:	07-Oct-2013 14:50:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	8
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

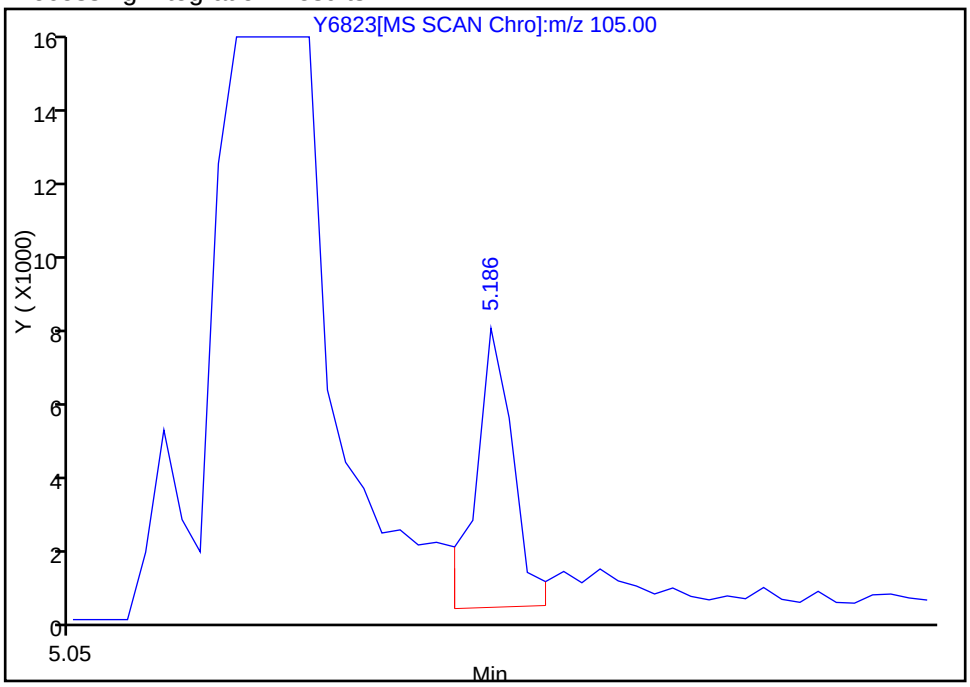
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6823.D		
Injection Date:	07-Oct-2013 14:50:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	8
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

77 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 5.16

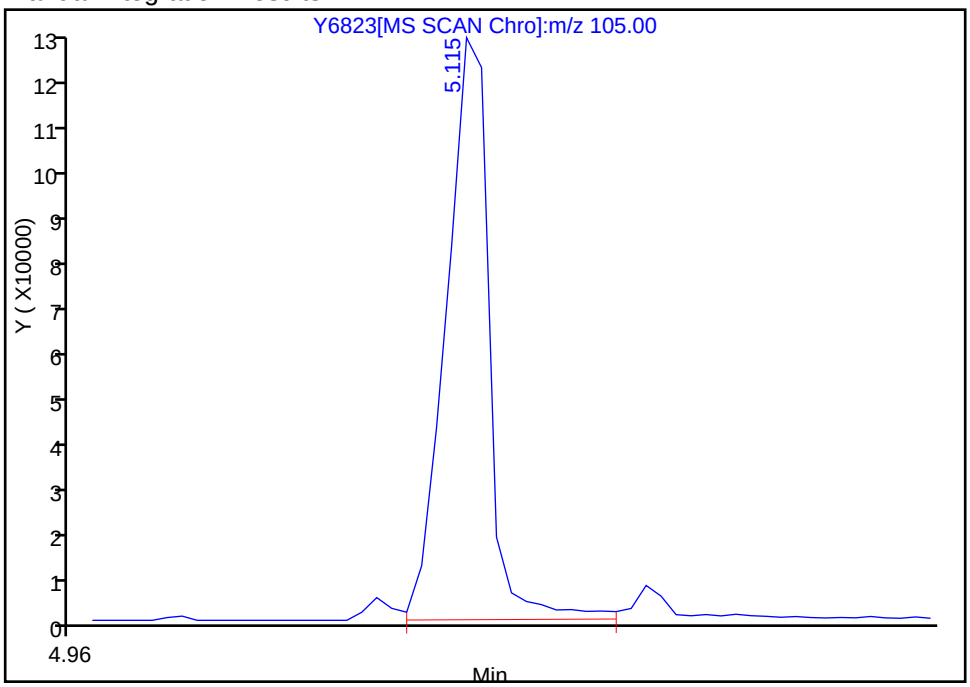
Processing Integration Results

RT: 5.19
Response: 6170
Amount: 9.723274



Manual Integration Results

RT: 5.12
Response: 148664
Amount: 19.203079



Reviewer: hoffmanm, 08-Oct-2013 08:17:09
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Lims ID: IC HSL004 Client ID:
Inject. Date: 07-Oct-2013 15:17:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: IC HSLA004
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 9
Lims Batch ID: 194745 Lims Sample ID: 9
Sublist: chrom-SMSY_8270C*sub16
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:42 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:18:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.364	4.370	-0.006	97	258528	40.0	
* 2 Naphthalene-d8	136	5.404	5.410	-0.006	100	1032947	40.0	
* 3 Acenaphthene-d10	164	6.873	6.879	-0.006	92	581605	40.0	
* 4 Phenanthrene-d10	188	8.136	8.142	-0.006	97	978169	40.0	
* 5 Chrysene-d12	240	11.814	11.832	-0.018	85	1009227	40.0	
* 6 Perylene-d12	264	15.856	15.880	-0.024	97	940022	40.0	
$ 7 2-Fluorophenol	112	3.330	3.336	-0.006	86	40853	4.30	
$ 8 Phenol-d5	99	4.029	4.035	-0.006	92	51663	4.23	
$ 9 Nitrobenzene-d5	82	4.810	4.817	-0.007	86	44969	4.13	
$ 11 2-Fluorobiphenyl	172	6.279	6.286	-0.007	99	83874	4.54	
$ 12 2,4,6-Tribromophenol	330	7.543	7.549	-0.006	78	11798	3.95	
$ 13 Terphenyl-d14	244	9.799	9.811	-0.012	92	84757	4.15	
27 1,4-Dioxane	88	2.102	2.114	-0.012	90	21092	4.71	
28 N-Nitrosodimethylamine	74	2.331	2.343	-0.012	78	26776	4.14	
29 Pyridine	79	2.378	2.384	-0.006	94	48256	4.30	
40 Phenol	94	4.041	4.047	-0.006	97	53880	4.28	
43 Aniline	93	4.100	4.112	-0.012	97	71079	4.41	
44 Alpha Methyl Styrene	118	4.123	4.135	-0.012	94	45026	4.46	
45 Bis(2-chloroethyl)ether	93	4.129	4.135	-0.006	90	42028	3.97	
47 n-Decane	43	4.170	4.176	-0.006	86	37155	4.51	
48 2-Chlorophenol	128	4.199	4.206	-0.007	94	41987	4.20	
49 1,3-Dichlorobenzene	146	4.323	4.329	-0.006	96	47728	4.52	
50 1,4-Dichlorobenzene	146	4.376	4.382	-0.006	85	48320	4.50	
51 Benzyl alcohol	108	4.452	4.458	-0.006	89	27490	4.07	
52 1,2-Dichlorobenzene	146	4.505	4.511	-0.006	93	44923	4.40	
54 2-Methylphenol	108	4.528	4.529	-0.001	94	39161	4.11	
55 2,2'-oxybis[1-chloropropane]	45	4.546	4.552	-0.006	88	45802	4.24	
56 Indene	116	4.575	4.576	-0.001	73	75230	4.54	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
58 3-Methylphenol	108	4.646	4.652	-0.006	97	41385	4.21	
59 4-Methylphenol	108	4.646	4.652	-0.006	97	41385	4.21	
60 3 & 4 Methylphenol	108	4.646	4.652	-0.006	97	41385	4.21	
61 N-Nitrosodi-n-propylamine	70	4.652	4.664	-0.012	84	32393	4.43	
63 Acetophenone	105	4.675	4.682	-0.007	94	61159	4.37	
66 Hexachloroethane	117	4.781	4.781	0.0	94	18300	4.18	
67 Nitrobenzene	77	4.828	4.834	-0.006	87	47087	4.38	
71 Isophorone	82	5.004	5.011	-0.007	96	79698	4.28	
73 2,4-Dimethylphenol	107	5.081	5.087	-0.006	94	43577	4.39	
74 2-Nitrophenol	139	5.087	5.093	-0.006	92	20980	4.13	
77 Benzoic acid	105	5.110	5.110	-0.048	84	53775	8.15	A
78 Bis(2-chloroethoxy)methane	93	5.157	5.163	-0.006	98	51197	4.53	
79 3,5-Dimethylphenol	107	5.186	5.193	-0.007	94	45419	4.38	
82 2,4-Dichlorophenol	162	5.275	5.281	-0.006	92	33852	4.25	
84 1,2,4-Trichlorobenzene	180	5.351	5.357	-0.006	90	36563	4.35	
87 Naphthalene	128	5.421	5.428	-0.007	98	122763	3.89	
88 4-Chloroaniline	127	5.457	5.463	-0.006	84	54254	4.36	
91 Hexachlorobutadiene	225	5.498	5.504	-0.006	90	19992	4.20	
94 Caprolactam	55	5.733	5.755	-0.012	77	15390	3.82	
97 4-Chloro-3-methylphenol	107	5.833	5.839	-0.006	90	36609	4.18	
101 2-Methylnaphthalene	142	5.991	5.998	-0.007	91	84929	3.90	
103 1-Methylnaphthalene	142	6.080	6.080	0.0	90	78159	3.93	
105 Hexachlorocyclopentadiene	237	6.109	6.115	-0.006	94	19021	3.72	
106 1,2,4,5-Tetrachlorobenzene	216	6.127	6.133	-0.006	94	35038	4.46	
108 2,4,6-Trichlorophenol	196	6.221	6.227	-0.006	86	22481	4.29	
109 2,3-Dichlorobenzenamine	161	6.232	6.239	-0.007	90	42414	4.47	
110 2,4,5-Trichlorophenol	196	6.250	6.256	-0.006	83	22785	4.11	
112 1,1'-Biphenyl	154	6.373	6.380	-0.007	94	101267	4.64	
114 2-Chloronaphthalene	162	6.403	6.409	-0.006	99	73454	4.45	
116 2-Nitroaniline	65	6.491	6.497	-0.006	77	22834	4.05	
119 Dimethyl phthalate	163	6.602	6.609	-0.007	97	82448	4.41	
120 1,3-Dinitrobenzene	168	6.655	6.668	-0.013	79	11156	3.54	
121 2,6-Dinitrotoluene	165	6.673	6.679	-0.006	79	18009	4.10	
122 Acenaphthylene	152	6.761	6.767	-0.006	89	115674	4.42	
123 3-Nitroaniline	138	6.832	6.838	-0.006	94	22263	4.02	
124 Acenaphthene	153	6.902	6.908	-0.006	94	75605	4.58	
126 2,4-Dinitrophenol	184	6.914	6.920	-0.006	77	10339	8.37	
127 4-Nitrophenol	109	6.943	6.955	-0.012	89	26518	7.92	
130 2,4-Dinitrotoluene	165	7.014	7.026	-0.012	81	23694	4.05	
132 Dibenzofuran	168	7.043	7.049	-0.006	86	105166	4.55	
134 2,3,4,6-Tetrachlorophenol	232	7.143	7.149	-0.006	62	18075	4.00	
136 Hexadecane	57	7.149	7.155	-0.006	92	48965	4.57	
139 Diethyl phthalate	149	7.178	7.185	-0.007	94	82890	4.50	
142 4-Chlorophenyl phenyl ether	204	7.308	7.314	-0.006	94	38575	4.34	
143 Fluorene	166	7.331	7.343	-0.012	79	85183	4.45	
146 4-Nitroaniline	138	7.349	7.361	-0.012	78	23495	4.31	
147 4,6-Dinitro-2-methylphenol	198	7.355	7.367	-0.013	70	21169	6.16	
150 N-Nitrosodiphenylamine	169	7.407	7.420	-0.013	56	61145	4.34	
151 1,2-Diphenylhydrazine	77	7.443	7.449	-0.006	98	96027	4.59	
152 Azobenzene	77	7.443	7.449	-0.006	98	96027	4.54	
155 2,4,6 - Tribromophenol	330	7.543	7.549	-0.006	78	11798	3.95	
164 4-Bromophenyl phenyl ether	248	7.725	7.731	-0.006	62	25118	4.51	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
165 Hexachlorobenzene	284	7.801	7.807	-0.006	85	25747	4.26	
167 Atrazine	200	7.825	7.837	-0.012	82	20867	4.25	
169 n-Octadecane	85	7.913	7.919	-0.006	91	23791	4.23	
171 Pentachlorophenol	266	7.960	7.966	-0.006	79	20298	9.00	
176 Phenanthrene	178	8.154	8.160	-0.006	97	127105	4.61	
177 Anthracene	178	8.195	8.207	-0.012	97	127868	4.48	
178 Carbazole	167	8.324	8.336	-0.012	82	120141	4.49	
179 Alachlor	188	8.389	8.395	-0.006	87	14735	3.94	
181 Di-n-butyl phthalate	149	8.547	8.554	-0.007	100	128066	4.12	
188 Fluoranthene	202	9.340	9.347	-0.007	97	121986	4.18	
189 Benzidine	184	9.487	9.494	-0.007	92	64907	3.91	
191 Pyrene	202	9.646	9.658	-0.012	97	131114	4.29	
197 Famphur	218	10.474	10.476	-0.018	71	42224	3.55	
198 Butyl benzyl phthalate	149	10.551	10.563	-0.012	92	55094	3.90	
203 Bis(2-ethylhexyl) phthalate	149	11.714	11.726	-0.012	94	64677	3.54	
205 3,3'-Dichlorobenzidine	252	11.732	11.756	-0.024	32	39625	3.57	
206 Benzo[a]anthracene	228	11.785	11.803	-0.018	92	118025	4.20	
207 Chrysene	228	11.873	11.897	-0.024	91	110218	4.18	
209 Di-n-octyl phthalate	149	13.477	13.501	-0.024	86	92419	3.10	
211 Benzo[b]fluoranthene	252	14.658	14.693	-0.035	87	106993	4.01	
212 Benzo[k]fluoranthene	252	14.746	14.776	-0.030	95	114600	4.04	
214 Benzo[e]pyrene	252	15.510	15.545	-0.035	93	92613	4.01	
215 Benzo[a]pyrene	252	15.674	15.704	-0.030	54	100273	3.81	
221 Dibenz(a,h)anthracene	278	19.288	19.317	-0.029	67	93335	3.82	
222 Indeno[1,2,3-cd]pyrene	276	19.217	19.217	-0.030	95	84486	3.55	M
223 Benzo[g,h,i]perylene	276	19.781	19.811	-0.030	89	105147	4.06	
S 225 Methyl Phenols,Total	108				0		8.31	
S 226 Total Cresols	108				0		8.31	

QC Flag Legend

Review Flags
M - Manually Integrated
A - User Assigned ID

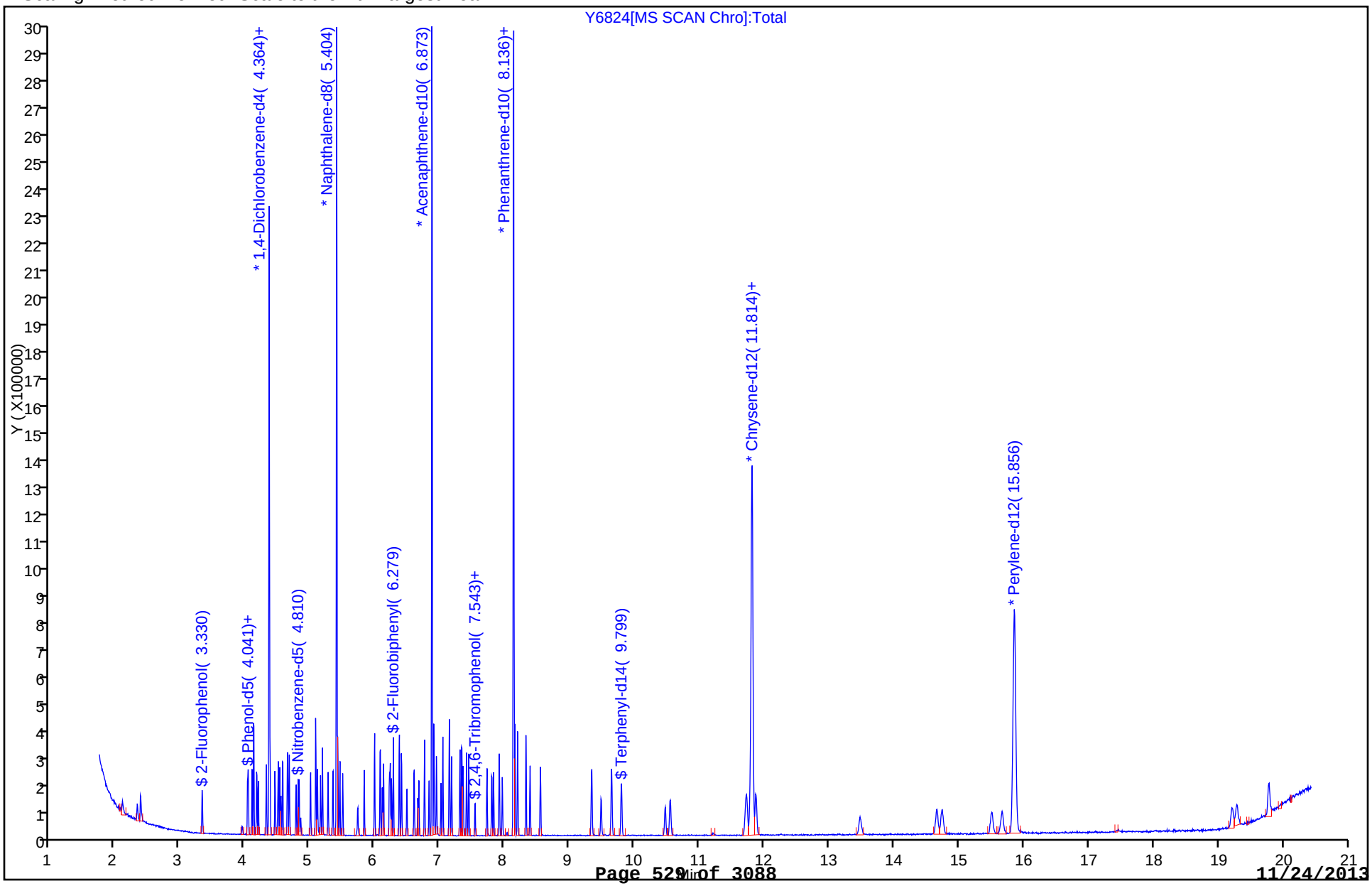
Report Date: 10-Oct-2013 08:49:43 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D

Injection Date:	07-Oct-2013 15:17:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	9
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

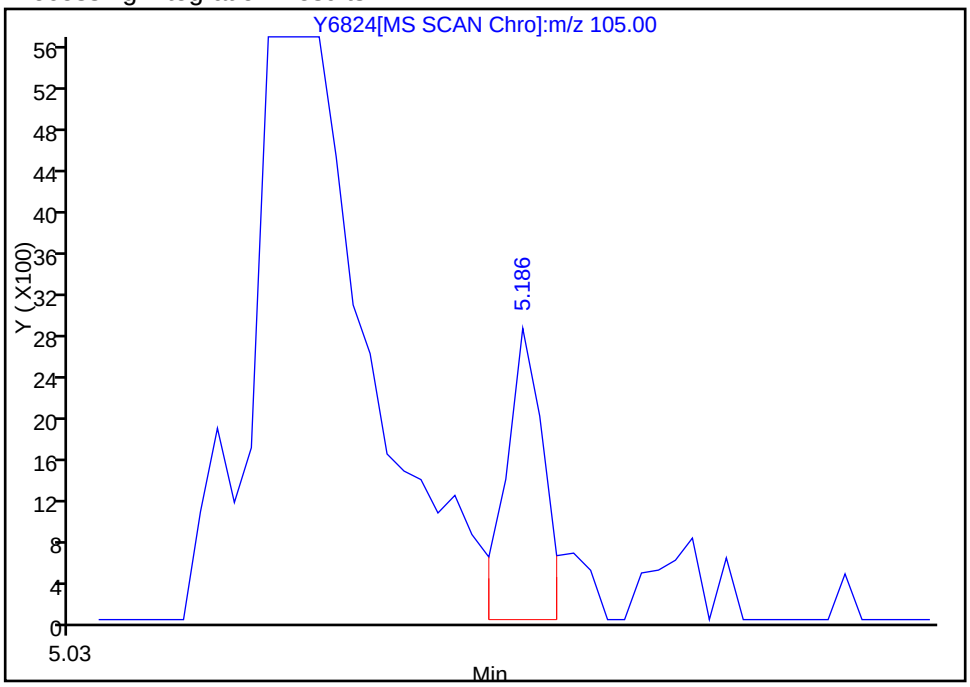
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D		
Injection Date:	07-Oct-2013 15:17:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	9
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

77 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 5.16

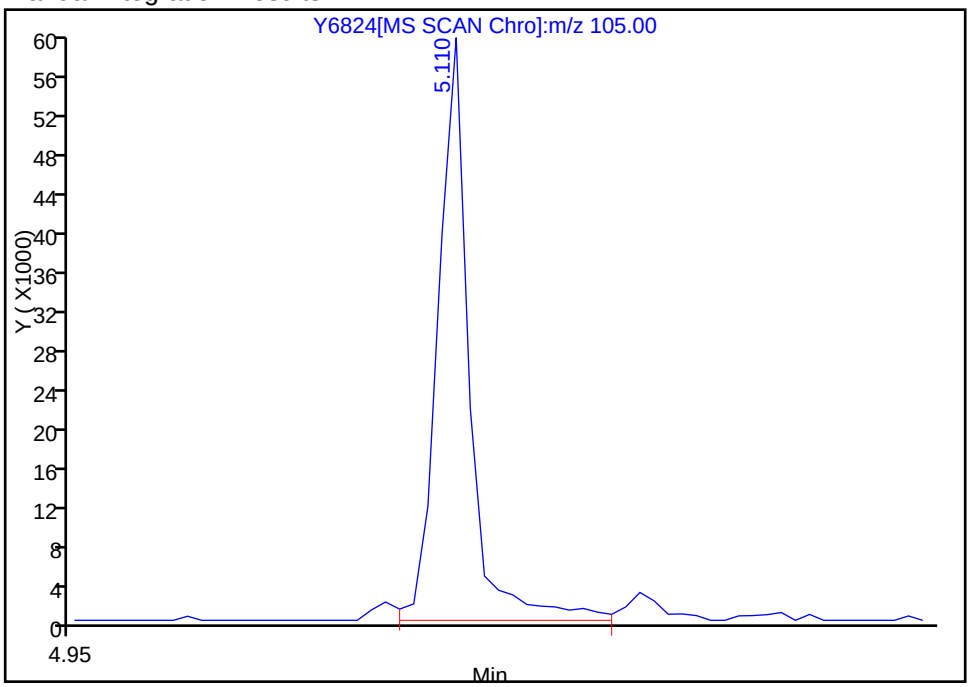
Processing Integration Results

RT: 5.19
Response: 2609
Amount: 7.396566



Manual Integration Results

RT: 5.11
Response: 53775
Amount: 8.146522



Reviewer: hoffmanm, 08-Oct-2013 08:18:29
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

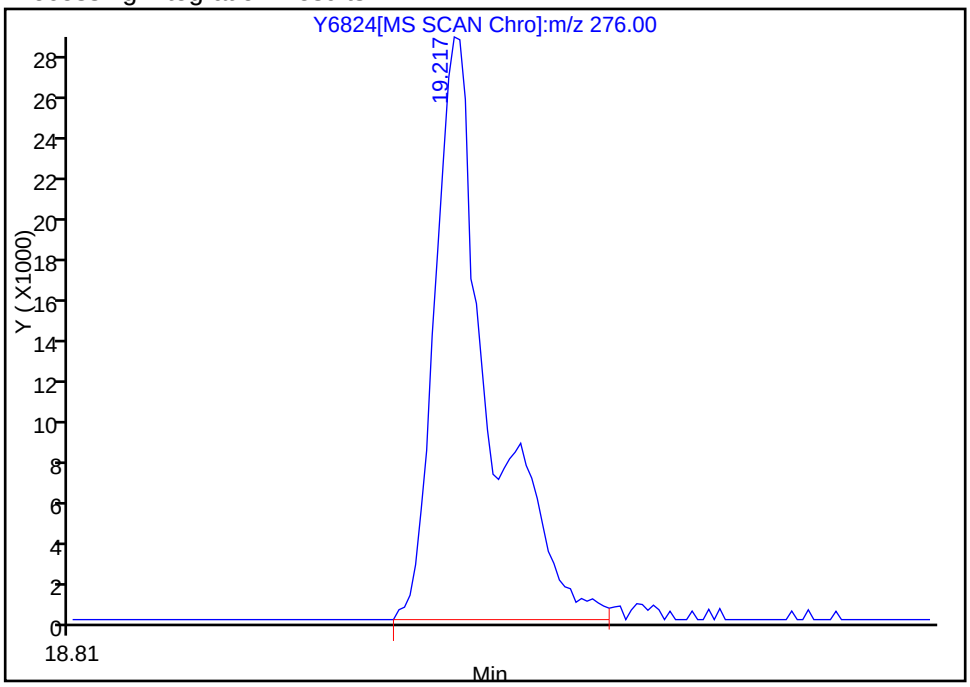
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D		
Injection Date:	07-Oct-2013 15:17:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	9
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

222 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 19.25

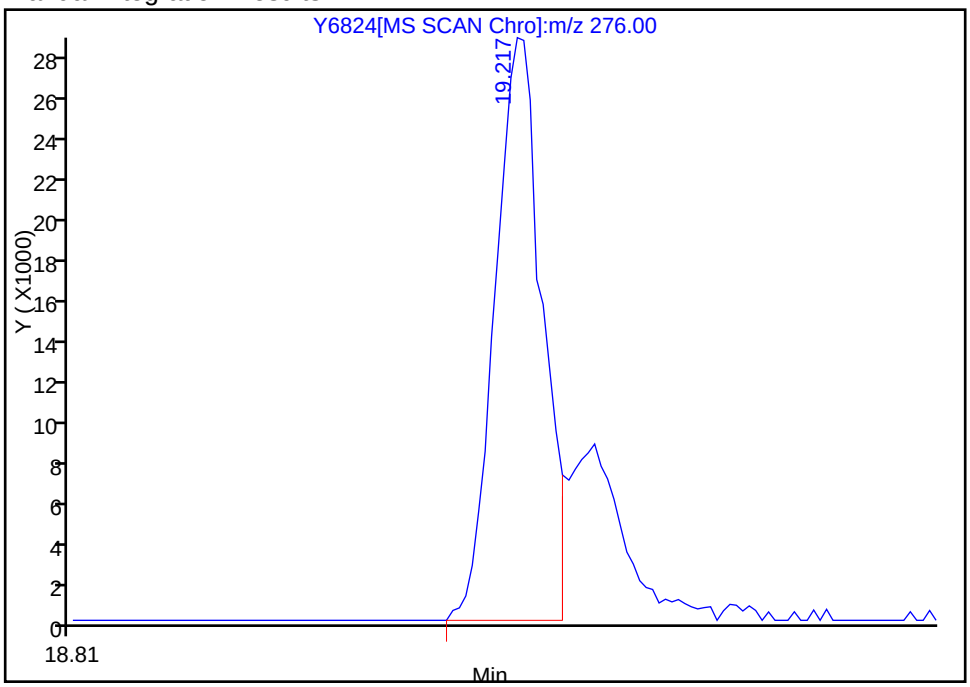
Processing Integration Results

RT: 19.22
Response: 112675
Amount: 4.561079



Manual Integration Results

RT: 19.22
Response: 84486
Amount: 3.546453



Reviewer: hoffmanm, 08-Oct-2013 08:18:29
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICV 280-192224/17 Calibration Date: 09/18/2013 20:50

Instrument ID: SMS_Y Calib Start Date: 09/18/2013 18:09

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/18/2013 20:27

Lab File ID: Y6536.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.235	1.224		99.1	100	-0.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6536.D
Lims ID: ICV BZHDSSV Client ID:
Inject. Date: 18-Sep-2013 20:50:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV BZHDSSV
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 17
Lims Batch ID: 192224 Lims Sample ID: 17
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 19-Sep-2013 12:00:13 Calib Date: 19-Sep-2013 00:25:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kellisonm Date: 19-Sep-2013 10:31:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.396	4.397	-0.001	97	281979	40.0	
* 2 Naphthalene-d8	136	5.435	5.431	0.004	100	1106221	40.0	
* 3 Acenaphthene-d10	164	6.910	6.911	-0.001	92	623675	40.0	
* 4 Phenanthrene-d10	188	8.173	8.175	-0.002	97	1059380	40.0	
* 5 Chrysene-d12	240	11.910	11.911	-0.001	81	1078239	40.0	
* 6 Perylene-d12	264	16.000	15.995	0.005	98	978873	40.0	
39 Benzaldehyde	106	4.061	4.064	-0.003	92	862711	99.1	

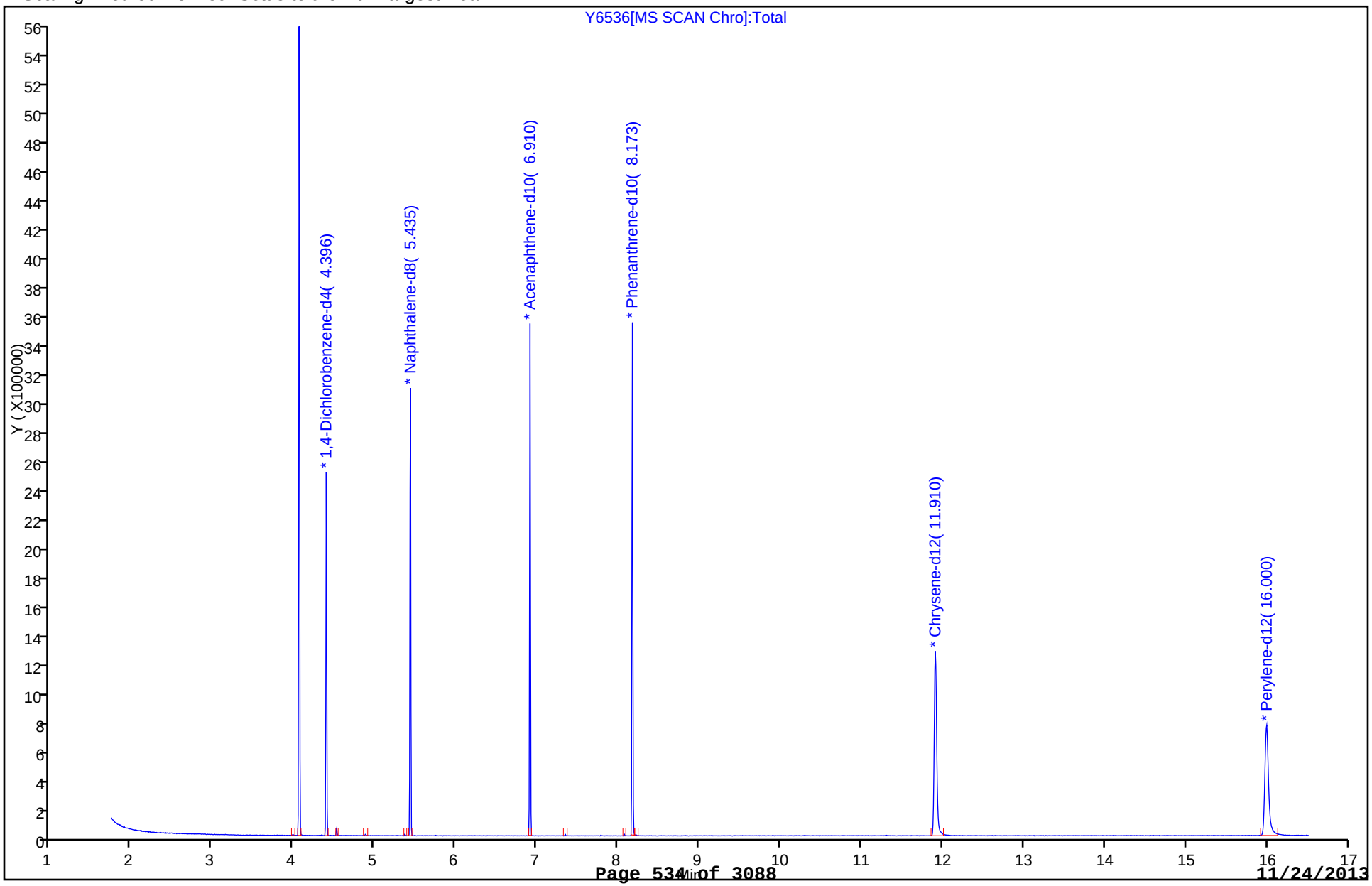
Report Date: 19-Sep-2013 12:00:14 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6536.D

Injection Date:	18-Sep-2013 20:50:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	17
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICV 280-192194/9 Calibration Date: 09/19/2013 12:29

Instrument ID: SMS_Y Calib Start Date: 09/19/2013 09:25

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/19/2013 12:03

Lab File ID: Y6555.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl methanesulfonate	Ave	0.9777	1.000		102	100	2.2	50.0
Ethyl methanesulfonate	Ave	1.143	1.159		101	100	1.4	50.0
Pentachloroethane	Ave	0.5090	0.5280		104	100	3.7	50.0
o,o',o''-Triethylphosphorothioate	Ave	0.1706	0.1733		102	100	1.6	20.0
2,6-Dichlorophenol	Ave	0.2727	0.2830		104	100	3.8	20.0
Hexachloropropene	Ave	0.2113	0.2234		106	100	5.7	50.0
Safrole, Total	Ave	0.2724	0.2712		99.5	100	-0.5	20.0
1-Chloronaphthalene	Ave	1.018	1.018		100	100	0.0	50.0
1,4-Naphthoquinone	Ave	0.3205	0.4657		145	100	45.3	50.0
Pentachlorobenzene	Ave	0.4999	0.5098		102	100	2.0	50.0
Thionazin	Ave	0.2977	0.3079		103	100	3.4	20.0
Sulfotepp	Ave	0.1306	0.1293		98.9	100	-1.1	20.0
Diallate Peak 1	Ave	0.3384	0.3563		79.9	75.9	5.3	50.0
Phorate	Ave	0.1464	0.1473		101	100	0.6	20.0
Diallate Peak 2	Ave	0.3954	0.3937		24.0	24.1	-0.4	50.0
Dimethoate	Ave	0.3026	0.3087		102	100	2.0	20.0
Disulfoton	Ave	0.3954	0.3895		98.5	100	-1.5	20.0
Methyl parathion	Ave	0.2452	0.2528		103	100	3.1	20.0
Ethyl Parathion	Ave	0.1551	0.1677		108	100	8.2	20.0
Methapyrilene	Ave	0.3560	0.3689		104	100	3.6	50.0
Isodrin	Ave	0.1231	0.1265		103	100	2.8	50.0
Aramite Peak 1	Lin2		0.1149		61.9	45.0	37.5	50.0
Aramite Peak 2	Ave	0.0767	0.1129		80.9	55.0	47.1	50.0
Ethyl 4,4'-Dichlorobenzilate	Ave	0.3108	0.3482		112	100	12.0	50.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5343	0.5262		98.5	100	-1.5	50.0
3-Methylcholanthrene	Lin2		0.5723		98.1	100	-1.9	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6555.D
Lims ID: ICV AP9B1SSV Client ID:
Inject. Date: 19-Sep-2013 12:29:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AP9B1SSV
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 9
Lims Batch ID: 192194 Lims Sample ID: 9
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:27 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 13:34:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.396	4.396	0.0	98	323237	40.0	
* 2 Naphthalene-d8	136	5.436	5.430	0.006	100	1267020	40.0	
* 3 Acenaphthene-d10	164	6.910	6.905	0.005	88	763335	40.0	
* 4 Phenanthrene-d10	188	8.174	8.174	0.0	97	1289449	40.0	
* 5 Chrysene-d12	240	11.905	11.905	0.0	84	1306890	40.0	
* 6 Perylene-d12	264	15.988	15.982	0.006	98	1208156	40.0	
34 Methyl methanesulfonate	80	3.268	3.274	-0.006	88	807862	102.2	
37 Ethyl methanesulfonate	79	3.773	3.773	0.0	98	936404	101.4	
46 Pentachloroethane	117	4.184	4.178	0.006	89	426691	103.7	
76 o,o',o''-Triethylphosphorothioat	198	5.142	5.142	0.0	89	548940	101.6	
89 2,6-Dichlorophenol	162	5.489	5.489	0.0	97	896306	103.8	
90 Hexachloropropene	213	5.518	5.512	0.006	88	707646	105.7	
98 Safrole, Total	162	5.923	5.923	0.0	86	858881	99.5	
107 Isosafrole Peak 1	162	6.170	6.170	0.0	89	129071	15.1	
111 Isosafrole Peak 2	104	6.358	6.358	0.0	91	472842	170.8	E
115 1-Chloronaphthalene	162	6.458	6.458	0.0	96	1943321	100.0	
117 1,4-Naphthoquinone	158	6.587	6.587	0.0	80	888788	145.3	
129 Pentachlorobenzene	250	7.046	7.046	0.0	96	972856	102.0	
141 Thionazin	97	7.286	7.292	-0.006	81	587602	103.4	
154 Sulfotepp	97	7.521	7.527	-0.006	86	416684	98.9	
158 Diallate Peak 1	86	7.662	7.657	0.005	92	871842	79.9	
160 Phorate	121	7.674	7.674	0.0	93	474710	100.6	
163 Diallate Peak 2	86	7.739	7.739	0.0	92	305874	24.0	E
166 Dimethoate	87	7.839	7.845	-0.006	96	995028	102.0	
174 Disulfoton	88	8.109	8.115	-0.006	97	1255726	98.5	
175 Dinoseb	211	8.121	8.121	0.0	94	501550	90.3	
180 Methyl parathion	109	8.450	8.450	0.0	93	814948	103.1	
183 Ethyl Parathion	109	8.802	8.802	0.0	86	540697	108.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
185 Methapyrilene	97	8.926	8.926	0.0	92	1189033	103.6	
187 Isodrin	193	9.208	9.208	0.0	92	407759	102.8	
192 Aramite Peak 1	185	9.766	9.766	0.0	94	168923	61.9	
193 Aramite Peak 2	185	9.878	9.878	0.0	95	202787	80.9	
195 Chlorobenzilate	251	10.118	10.118	0.0	90	1137530	112.0	
208 6-Methylchrysene	242	13.109	13.115	-0.006	98	2489239	109.2	
210 7,12-Dimethylbenz(a)anthracene	256	14.784	14.789	-0.005	86	1589388	98.5	
217 3-Methylcholanthrene	268	16.940	16.946	-0.006	66	1728432	98.1	
S 227 Aramite, Total	185				0		142.8	
S 228 Diallate	86				0		103.9	
S 229 Isosafrole	162				0		186.0	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

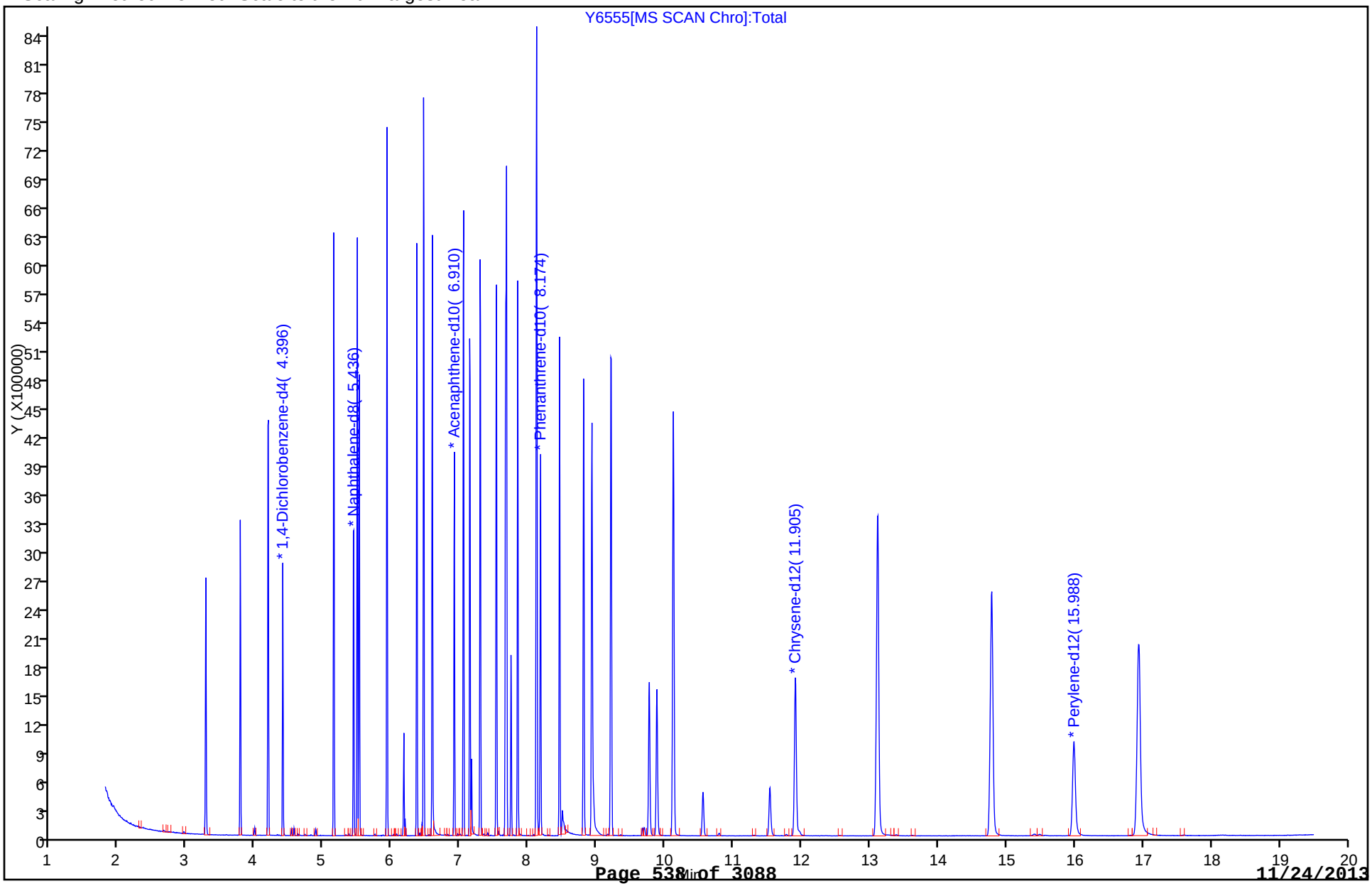
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6555.D

Injection Date:	19-Sep-2013 12:29:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	9
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICV 280-192194/11 Calibration Date: 09/19/2013 13:22

Instrument ID: SMS_Y Calib Start Date: 09/19/2013 09:25

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/19/2013 12:03

Lab File ID: Y6557.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Picoline	Ave	1.662	1.724		104	100	3.7	50.0
N-Nitrosomethylethylamine	Ave	0.7622	0.7728		101	100	1.4	50.0
N-Nitrosodiethylamine	Ave	0.7249	0.7432		103	100	2.5	50.0
N-Nitrosopyrrolidine	Ave	0.7722	0.7988		103	100	3.4	20.0
N-Nitrosomorpholine	Ave	0.3074	0.3127		102	100	1.7	50.0
2-Toluidine	Ave	2.200	2.246		102	100	2.1	50.0
N-Nitrosopiperidine	Ave	0.1829	0.1858		102	100	1.6	50.0
alpha,alpha-Dimethyl phenethylamine	Ave	0.8157	0.9047		111	100	10.9	50.0
N-Nitrosodi-n-butylamine	Ave	0.2345	0.2374		101	100	1.2	50.0
p-Phenylene diamine	Ave	0.4712	0.5371		114	100	14.0	50.0
1,4-Dinitrobenzene	Lin2		0.1634		94.8	100	-5.2	20.0
1-Naphthylamine	Ave	1.174	1.170		99.6	100	-0.4	50.0
2-Naphthylamine	Lin2		1.227		102	100	2.3	50.0
N-Nitro-o-toluidine	Ave	0.3617	0.3701		102	100	2.3	50.0
Diphenylamine	Ave	1.034	1.031		99.7	100	-0.3	50.0
1,3,5-Trinitrobenzene	Lin2		0.0668		96.9	100	-3.1	50.0
Phenacetin	Ave	0.3893	0.3944		101	100	1.3	50.0
4-Aminobiphenyl	Ave	0.7633	0.7666		100	100	0.4	50.0
Pronamide	Ave	0.2862	0.2882		101	100	0.7	50.0
Pentachloronitrobenzene	Ave	0.0895	0.0908		101	100	1.4	50.0
4-Nitroquinoline-1-oxide	Lin2		0.0869		71.2	100	-28.8	50.0
p-Dimethylamino azobenzene	Ave	0.3282	0.3409		104	100	3.9	50.0
3,3'-Dimethylbenzidine	Ave	0.6084	0.7485		123	100	23.0	50.0
2-Acetylaminofluorene	Lin2		0.4250		97.1	100	-2.9	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6557.D
Lims ID: ICV AP9B3SSV Client ID:
Inject. Date: 19-Sep-2013 13:22:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AP9B3SSV
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 11
Lims Batch ID: 192194 Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:27 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 14:29:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.396	4.396	0.0	98	277745	40.0	
* 2 Naphthalene-d8	136	5.430	5.430	0.0	100	1113282	40.0	
* 3 Acenaphthene-d10	164	6.910	6.905	0.005	91	648305	40.0	
* 4 Phenanthrene-d10	188	8.174	8.174	0.0	97	1096679	40.0	
* 5 Chrysene-d12	240	11.904	11.905	-0.001	85	1151111	40.0	
* 6 Perylene-d12	264	15.982	15.982	0.0	87	989922	40.0	
31 2-Picoline	93	2.986	2.980	0.006	95	1196849	103.7	
32 N-Nitrosomethylethylamine	88	3.050	3.050	0.0	89	536588	101.4	
33 Acrylamide	71	3.226	3.244	-0.018	78	460167	101.3	
35 N-Nitrosodiethylamine	102	3.567	3.567	0.0	94	516055	102.5	
62 N-Nitrosopyrrolidine	100	4.695	4.701	-0.006	93	554685	103.4	
64 N-Nitrosomorpholine	116	4.725	4.725	0.0	93	217125	101.7	
65 2-Toluidine	106	4.736	4.736	-0.001	86	1559202	102.1	
70 N-Nitrosopiperidine	114	4.977	4.977	0.0	83	517025	101.6	
81 alpha,alpha-Dimethyl phenethylam	58	5.259	5.259	0.0	98	2518020	110.9	
92 Quinoline	129	5.729	5.729	0.0	96	1770563	104.2	
93 N-Nitrosodi-n-butylamine	84	5.723	5.723	-0.001	89	660627	101.2	
95 p-Phenylene diamine	108	5.776	5.776	0.0	96	1494932	114.0	
118 1,4-Dinitrobenzene	168	6.628	6.634	0.0	89	264853	94.8	
133 1-Naphthylamine	143	7.151	7.157	0.0	98	1895652	99.6	
137 2-Naphthylamine	143	7.216	7.222	0.0	94	1987963	102.3	
145 N-Nitro-o-toluidine	152	7.374	7.387	-0.006	94	599822	102.3	
149 Diphenylamine	169	7.445	7.451	0.0	90	1670871	99.7	
159 1,3,5-Trinitrobenzene	213	7.657	7.662	-0.006	54	183083	96.9	
161 Phenacetin	108	7.686	7.698	-0.012	90	1081322	101.3	
170 4-Aminobiphenyl	169	7.991	7.991	-0.001	82	2101888	100.4	
172 Pronamide	173	7.997	7.997	0.0	82	790153	100.7	
173 Pentachloronitrobenzene	237	8.009	8.009	0.0	89	248907	101.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
184 4-Nitroquinoline-1-oxide	190	8.920	8.926	-0.006	86	238183	71.2	
194 p-Dimethylamino azobenzene	120	10.077	10.083	-0.006	94	981160	103.9	
199 3,3'-Dimethylbenzidine	212	10.676	10.682	-0.006	96	2154062	123.0	
202 2-Acetylaminofluorene	181	11.182	11.194	-0.012	93	1223119	97.1	
204 4,4'-Methylene bis(2-chloroanili	231	11.828	11.834	-0.006	94	583334	114.0	
219 Dibenz[a,h]acridine	279	18.732	18.738	-0.006	63	2314507	109.2	

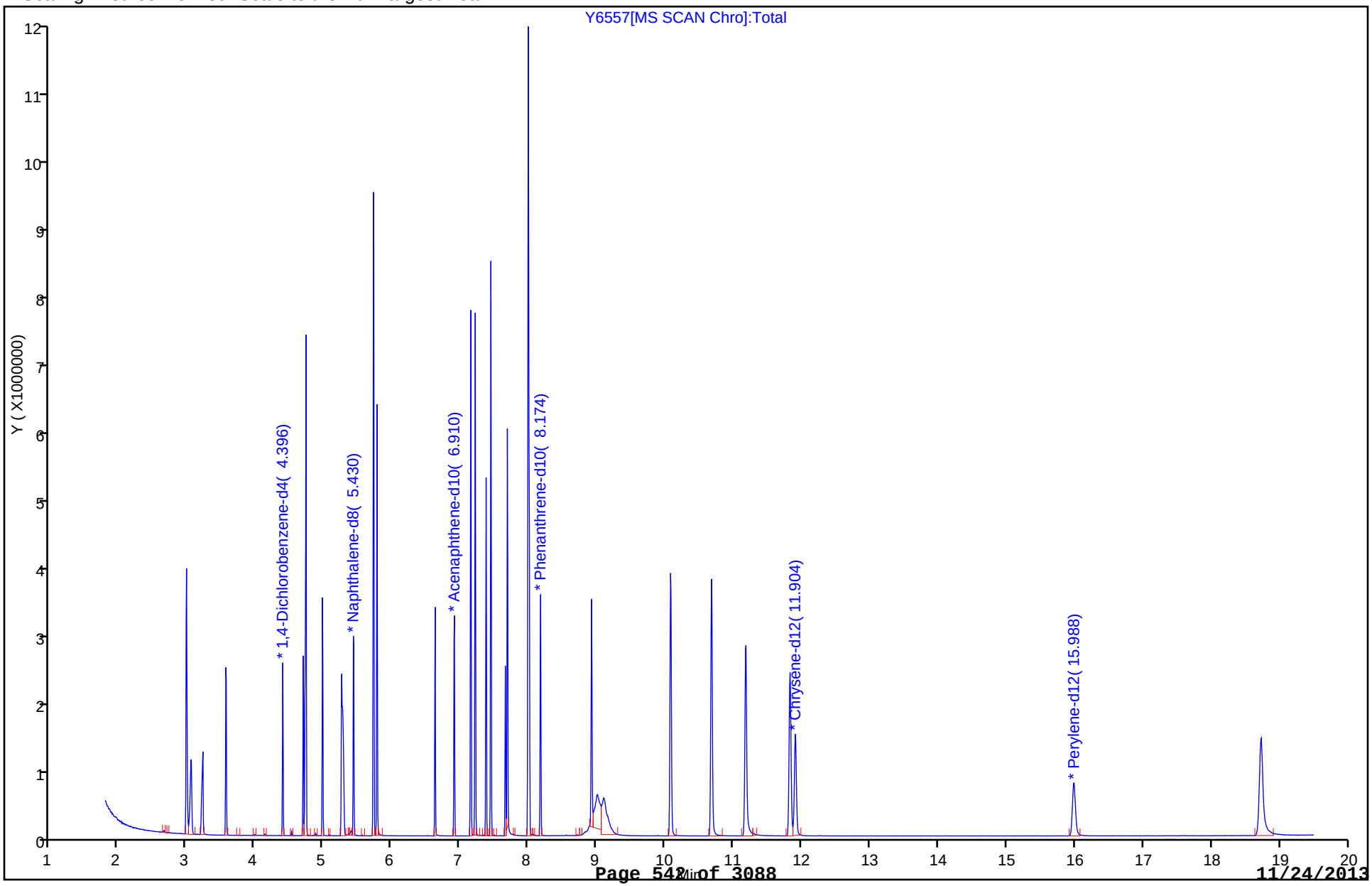
Report Date: 20-Sep-2013 13:49:29 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6557.D

Injection Date:	19-Sep-2013 13:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	11
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICV 280-194745/10 Calibration Date: 10/07/2013 15:44

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y6825.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6925	0.6390		92.3	100	-7.7	20.0
N-Nitrosodimethylamine	Ave	1.000	0.9365		93.7	100	-6.3	20.0
Pyridine	Ave	1.737	1.709		98.4	100	-1.6	20.0
Phenol	Ave	1.946	1.852		95.1	100	-4.9	20.0
Aniline	Ave	2.491	2.229		89.5	100	-10.5	20.0
Bis(2-chloroethyl)ether	Lin2		1.357		94.2	100	-5.8	20.0
2-Chlorophenol	Ave	1.547	1.482		95.8	100	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.635	1.551		94.9	100	-5.1	20.0
1,4-Dichlorobenzene	Ave	1.660	1.563		94.1	100	-5.9	20.0
Benzyl alcohol	Ave	1.046	1.037		99.1	100	-0.9	20.0
1,2-Dichlorobenzene	Ave	1.581	1.499		94.8	100	-5.2	20.0
2-Methylphenol	Ave	1.475	1.415		96.0	100	-4.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.672	1.944		83.7	72.0	16.2	20.0
3 & 4 Methylphenol	Ave	1.523	1.459		95.8	100	-4.2	20.0
4-Methylphenol	Ave	1.523	1.459		95.8	100	-4.2	20.0
N-Nitrosodi-n-propylamine	Ave	1.133	1.072	0.0500	94.7	100	-5.3	20.0
Acetophenone	Ave	2.166	2.052		94.8	100	-5.2	20.0
Hexachloroethane	Ave	0.6780	0.6603		97.4	100	-2.6	20.0
Nitrobenzene	Ave	0.4163	0.3980		95.6	100	-4.4	20.0
Isophorone	Ave	0.7205	0.7174		99.6	100	-0.4	20.0
2,4-Dimethylphenol	Ave	0.3843	0.3202		83.3	100	-16.7	20.0
2-Nitrophenol	Ave	0.1966	0.1886		95.9	100	-4.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.4377	0.3993		91.2	100	-8.8	20.0
Benzoic acid	Lin2		0.3283		206	200	3.2	20.0
2,4-Dichlorophenol	Ave	0.3081	0.2994		97.2	100	-2.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3258	0.3164		97.1	100	-2.9	20.0
Naphthalene	Lin2		1.012		99.5	100	-0.5	20.0
4-Chloroaniline	Ave	0.4820	0.4358		90.4	100	-9.6	20.0
Hexachlorobutadiene	Ave	0.1841	0.1784		96.9	100	-3.1	20.0
4-Chloro-3-methylphenol	Ave	0.3392	0.3188		94.0	100	-6.0	20.0
2-Methylnaphthalene	Lin2		0.6645		96.6	100	-3.4	20.0
1-Methylnaphthalene	Lin2		0.6221		96.7	100	-3.3	20.0
Hexachlorocyclopentadiene	Ave	0.3520	0.3772	0.0500	107	100	7.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3043	0.2901		95.3	100	-4.7	20.0
2,4,6-Trichlorophenol	Ave	0.3603	0.3499		97.1	100	-2.9	20.0
2,4,5-Trichlorophenol	Ave	0.3810	0.3672		96.4	100	-3.6	20.0
1,1'-Biphenyl	Ave	1.502	1.410		93.9	100	-6.1	20.0
2-Chloronaphthalene	Ave	1.135	1.081		95.3	100	-4.7	20.0
2-Nitroaniline	Ave	0.3880	0.3788		97.6	100	-2.4	20.0
Dimethyl phthalate	Ave	1.287	1.224		95.1	100	-4.9	20.0
1,3-Dinitrobenzene	Ave	0.2167	0.2101		96.9	100	-3.1	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICV 280-194745/10 Calibration Date: 10/07/2013 15:44

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y6825.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.3022	0.2947		97.5	100	-2.5	20.0
Acenaphthylene	Ave	1.802	1.715		95.2	100	-4.8	20.0
3-Nitroaniline	Ave	0.3808	0.3541		93.0	100	-7.0	20.0
Acenaphthene	Ave	1.134	1.083		95.5	100	-4.5	20.0
2,4-Dinitrophenol	Lin2		0.1876	0.0500	199	200	-0.7	20.0
4-Nitrophenol	Ave	0.2303	0.2250	0.0500	195	200	-2.3	20.0
2,4-Dinitrotoluene	Ave	0.4028	0.3918		97.3	100	-2.7	20.0
Dibenzofuran	Ave	1.589	1.496		94.2	100	-5.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3105	0.3010		96.9	100	-3.1	20.0
Diethyl phthalate	Ave	1.267	1.210		95.5	100	-4.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6108	0.5874		96.2	100	-3.8	20.0
Fluorene	Ave	1.317	1.255		95.3	100	-4.7	20.0
4-Nitroaniline	Ave	0.3753	0.3454		92.0	100	-8.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1406	0.1518		216	200	8.0	20.0
N-Nitrosodiphenylamine	Ave	0.5761	0.5598		97.2	100	-2.8	20.0
1,2-Diphenylhydrazine	Ave	1.438	1.359		95.6	101	-5.4	20.0
Azobenzene	Ave	1.453	1.374		94.6	100	-5.4	50.0
4-Bromophenyl phenyl ether	Ave	0.2278	0.2216		97.3	100	-2.7	20.0
Hexachlorobenzene	Ave	0.2470	0.2383		96.5	100	-3.5	20.0
Pentachlorophenol	Lin1		0.1459		198	200	-1.1	20.0
Phenanthrene	Ave	1.128	1.079		95.7	100	-4.3	20.0
Anthracene	Ave	1.167	1.104		94.6	100	-5.4	20.0
Carbazole	Ave	1.093	1.023		93.5	100	-6.5	20.0
Alachlor	Ave	0.1529	0.1503		98.3	100	-1.7	50.0
Di-n-butyl phthalate	Ave	1.270	1.225		96.5	100	-3.5	20.0
Fluoranthene	Ave	1.194	1.153		96.5	100	-3.5	20.0
Pyrene	Ave	1.211	1.158		95.6	100	-4.4	20.0
Butyl benzyl phthalate	Ave	0.5598	0.5481		97.9	100	-2.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7250	0.7306		101	100	0.8	20.0
Benzo[a]anthracene	Ave	1.114	1.074		96.4	100	-3.6	20.0
Chrysene	Ave	1.044	1.044		100	100	0.0	20.0
Di-n-octyl phthalate	Ave	1.180	1.252		106	100	6.1	20.0
Benzo[b]fluoranthene	Ave	1.135	1.105		97.4	100	-2.6	20.0
Benzo[k]fluoranthene	Ave	1.206	1.175		97.4	100	-2.6	20.0
Benzo[a]pyrene	Ave	1.120	1.094		97.6	100	-2.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9442	0.9394		99.5	100	-0.5	20.0
Dibenz(a,h)anthracene	Ave	1.039	1.061		102	100	2.1	20.0
Benzo[g,h,i]perylene	Ave	1.103	1.093		99.1	100	-0.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6825.D
Lims ID: ICV B1B3 Client ID:
Inject. Date: 07-Oct-2013 15:44:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV B1B3
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 10
Lims Batch ID: 194745 Lims Sample ID: 10
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:42 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:18:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.364	4.370	-0.006	97	266854	40.0	
* 2 Naphthalene-d8	136	5.410	5.410	0.0	100	1076227	40.0	
* 3 Acenaphthene-d10	164	6.879	6.879	-0.001	91	619927	40.0	
* 4 Phenanthrene-d10	188	8.136	8.142	-0.006	97	1014574	40.0	
* 5 Chrysene-d12	240	11.820	11.832	-0.012	83	1051987	40.0	
* 6 Perylene-d12	264	15.862	15.880	-0.018	97	981538	40.0	
27 1,4-Dioxane	88	2.102	2.114	-0.012	92	426283	92.3	
28 N-Nitrosodimethylamine	74	2.331	2.343	-0.012	89	624742	93.7	
29 Pyridine	79	2.378	2.384	-0.006	97	1140287	98.4	
40 Phenol	94	4.047	4.047	0.0	99	1235563	95.1	
43 Aniline	93	4.105	4.112	-0.007	98	1486776	89.5	
44 Alpha Methyl Styrene	118	4.129	4.135	-0.006	95	981031	94.1	
45 Bis(2-chloroethyl)ether	93	4.129	4.135	-0.006	92	905077	94.2	
47 n-Decane	43	4.176	4.176	0.0	86	791921	93.2	
48 2-Chlorophenol	128	4.199	4.206	-0.007	96	988809	95.8	
49 1,3-Dichlorobenzene	146	4.323	4.329	-0.006	96	1034747	94.9	
50 1,4-Dichlorobenzene	146	4.381	4.382	-0.001	93	1042793	94.1	
51 Benzyl alcohol	108	4.458	4.458	0.0	91	691556	99.1	
52 1,2-Dichlorobenzene	146	4.505	4.511	-0.006	95	999893	94.8	
54 2-Methylphenol	108	4.528	4.529	-0.001	96	944249	96.0	
55 2,2'-oxybis[1-chloropropane]	45	4.546	4.552	-0.006	90	933651	83.7	
56 Indene	116	4.575	4.576	-0.001	83	1656218	96.9	
58 3-Methylphenol	108	4.652	4.652	0.0	93	973408	95.8	
59 4-Methylphenol	108	4.652	4.652	0.0	93	973408	95.8	
60 3 & 4 Methylphenol	108	4.652	4.652	0.0	93	973408	95.8	
61 N-Nitrosodi-n-propylamine	70	4.658	4.664	-0.006	84	715195	94.7	
63 Acetophenone	105	4.675	4.682	-0.007	96	1369097	94.8	
66 Hexachloroethane	117	4.781	4.781	0.0	97	440480	97.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
67 Nitrobenzene	77	4.828	4.834	-0.006	87	1070734	95.6	
71 Isophorone	82	5.004	5.011	-0.007	97	1930247	99.6	
73 2,4-Dimethylphenol	107	5.081	5.087	-0.006	93	861540	83.3	
74 2-Nitrophenol	139	5.086	5.093	-0.007	95	507376	95.9	
77 Benzoic acid	105	5.175	5.110	0.017	86	1766401	206.4	
78 Bis(2-chloroethoxy)methane	93	5.157	5.163	-0.006	99	1074256	91.2	
79 3,5-Dimethylphenol	107	5.192	5.193	-0.001	93	1035552	95.8	
82 2,4-Dichlorophenol	162	5.275	5.281	-0.007	95	805582	97.2	
84 1,2,4-Trichlorobenzene	180	5.351	5.357	-0.006	94	851375	97.1	
87 Naphthalene	128	5.427	5.428	-0.001	98	2723204	99.5	
88 4-Chloroaniline	127	5.457	5.463	-0.006	84	1172521	90.4	
91 Hexachlorobutadiene	225	5.498	5.504	-0.006	97	479933	96.9	
97 4-Chloro-3-methylphenol	107	5.833	5.839	-0.006	95	857862	94.0	
101 2-Methylnaphthalene	142	5.991	5.998	-0.007	88	1787944	96.6	
103 1-Methylnaphthalene	142	6.079	6.080	-0.001	82	1673764	96.7	
105 Hexachlorocyclopentadiene	237	6.109	6.115	-0.006	91	584617	107.2	
106 1,2,4,5-Tetrachlorobenzene	216	6.132	6.133	-0.001	98	780428	95.3	
108 2,4,6-Trichlorophenol	196	6.220	6.227	-0.007	92	542330	97.1	
109 2,3-Dichlorobenzenamine	161	6.232	6.239	-0.007	93	949783	93.8	
110 2,4,5-Trichlorophenol	196	6.250	6.256	-0.006	89	569094	96.4	
112 1,1'-Biphenyl	154	6.373	6.380	-0.007	95	2185065	93.9	
114 2-Chloronaphthalene	162	6.408	6.409	-0.001	98	1674882	95.3	
116 2-Nitroaniline	65	6.491	6.497	-0.006	83	587000	97.6	
119 Dimethyl phthalate	163	6.608	6.609	-0.001	98	1896666	95.1	
120 1,3-Dinitrobenzene	168	6.661	6.668	-0.007	85	325562	96.9	
121 2,6-Dinitrotoluene	165	6.679	6.679	0.0	89	456786	97.5	
122 Acenaphthylene	152	6.761	6.767	-0.006	92	2658211	95.2	
123 3-Nitroaniline	138	6.837	6.838	-0.001	96	548780	93.0	
124 Acenaphthene	153	6.902	6.908	-0.006	94	1679006	95.5	
126 2,4-Dinitrophenol	184	6.920	6.920	0.0	86	581577	198.6	
127 4-Nitrophenol	109	6.955	6.955	0.0	87	697479	195.4	
130 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	87	607216	97.3	
132 Dibenzofuran	168	7.049	7.049	0.0	88	2318639	94.2	
134 2,3,4,6-Tetrachlorophenol	232	7.143	7.149	-0.006	64	466521	96.9	
136 Hexadecane	57	7.149	7.155	-0.006	93	1067916	93.4	
139 Diethyl phthalate	149	7.184	7.185	-0.001	97	1874925	95.5	
142 4-Chlorophenyl phenyl ether	204	7.307	7.314	-0.007	96	910381	96.2	
143 Fluorene	166	7.337	7.343	-0.006	83	1945708	95.3	
146 4-Nitroaniline	138	7.360	7.361	-0.001	74	535338	92.0	
147 4,6-Dinitro-2-methylphenol	198	7.366	7.367	-0.001	83	770053	216.0	
150 N-Nitrosodiphenylamine	169	7.413	7.420	-0.007	60	1419911	97.2	
151 1,2-Diphenylhydrazine	77	7.443	7.449	-0.006	98	2129833	95.6	
152 Azobenzene	77	7.443	7.449	-0.006	99	2129833	94.6	
164 4-Bromophenyl phenyl ether	248	7.725	7.731	-0.006	62	561961	97.3	
165 Hexachlorobenzene	284	7.801	7.807	-0.006	92	604389	96.5	
169 n-Octadecane	85	7.913	7.919	-0.006	95	564338	96.8	
171 Pentachlorophenol	266	7.965	7.966	-0.001	87	740101	197.8	
176 Phenanthrene	178	8.153	8.160	-0.007	98	2737282	95.7	
177 Anthracene	178	8.200	8.207	-0.007	98	2799388	94.6	
178 Carbazole	167	8.330	8.336	-0.006	83	2593789	93.5	
179 Alachlor	188	8.388	8.395	-0.007	96	381233	98.3	
181 Di-n-butyl phthalate	149	8.547	8.554	-0.007	100	3106889	96.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
188 Fluoranthene	202	9.340	9.347	-0.007	98	2923699	96.5	
191 Pyrene	202	9.652	9.658	-0.006	97	3044260	95.6	
198 Butyl benzyl phthalate	149	10.551	10.563	-0.012	97	1441439	97.9	
203 Bis(2-ethylhexyl) phthalate	149	11.714	11.726	-0.012	96	1921322	100.8	
206 Benzo[a]anthracene	228	11.796	11.803	-0.007	99	2823580	96.4	
207 Chrysene	228	11.884	11.897	-0.013	94	2746575	100.0	
209 Di-n-octyl phthalate	149	13.483	13.501	-0.018	99	3293234	106.1	
211 Benzo[b]fluoranthene	252	14.675	14.693	-0.018	94	2712585	97.4	
212 Benzo[k]fluoranthene	252	14.758	14.776	-0.018	99	2882994	97.4	
214 Benzo[e]pyrene	252	15.527	15.545	-0.018	96	2630931	109.2	
215 Benzo[a]pyrene	252	15.686	15.704	-0.018	76	2684546	97.6	
221 Dibenz(a,h)anthracene	278	19.305	19.317	-0.012	75	2602363	102.1	
222 Indeno[1,2,3-cd]pyrene	276	19.240	19.217	-0.007	95	2470620	99.5	
223 Benzo[g,h,i]perylene	276	19.799	19.811	-0.012	95	2681492	99.1	

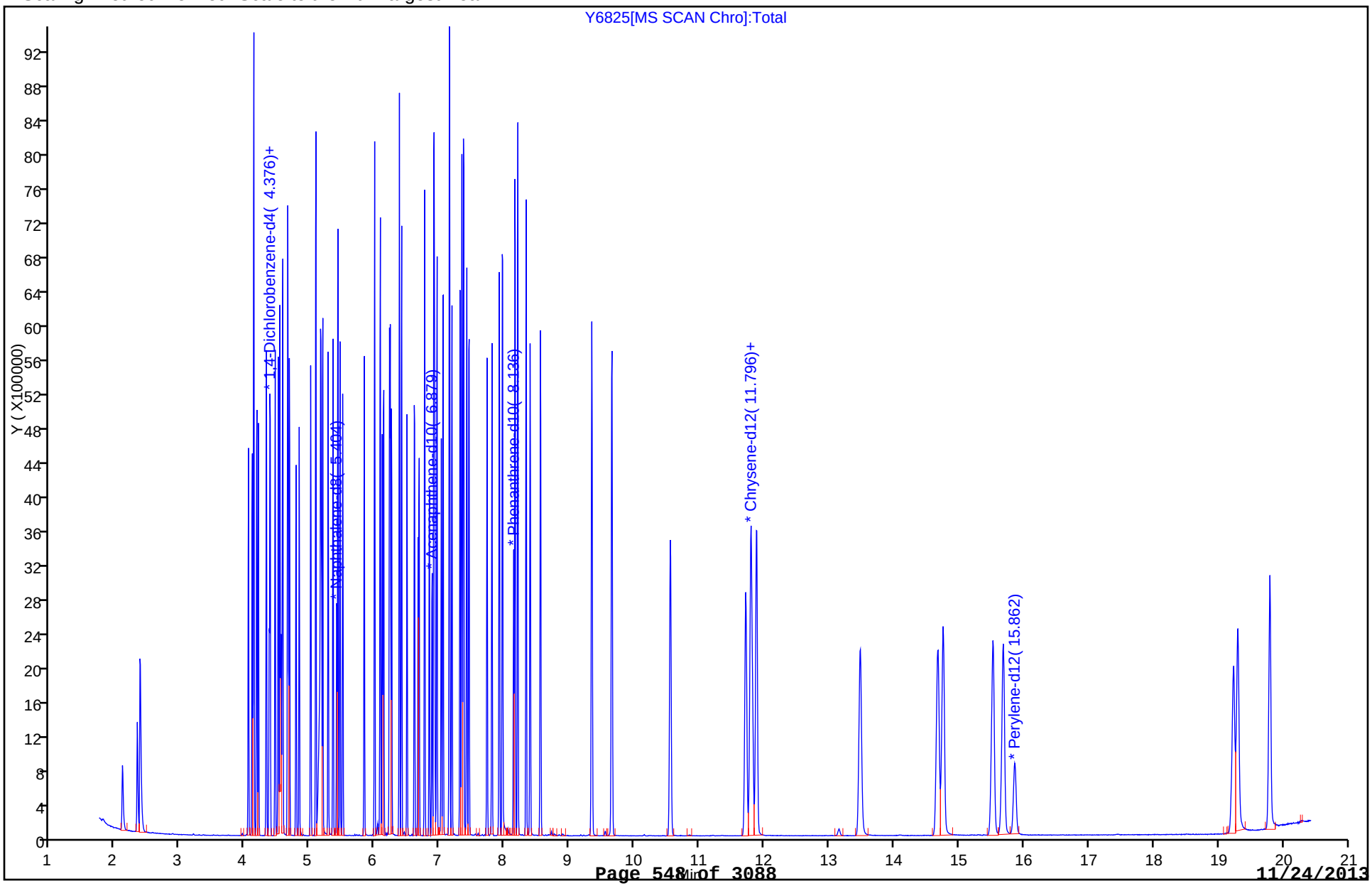
Report Date: 10-Oct-2013 08:49:47 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6825.D

Injection Date:	07-Oct-2013 15:44:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	10
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICV 280-194745/11 Calibration Date: 10/07/2013 16:12

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y6826.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Caprolactam	Ave	0.1561	0.1310		83.9	100	-16.1	20.0
Atrazine	Ave	0.2010	0.1834		91.3	100	-8.7	20.0
Benzidine	Lin2		0.7291		107	100	6.9	20.0
3,3'-Dichlorobenzidine	Ave	0.4398	0.3881		88.2	100	-11.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6826.D
Lims ID: ICV B2 Client ID:
Inject. Date: 07-Oct-2013 16:12:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV B2
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 11
Lims Batch ID: 194745 Lims Sample ID: 11
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:42 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 08-Oct-2013 08:19:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.365	4.370	-0.005	97	334053	40.0	
* 2 Naphthalene-d8	136	5.405	5.410	-0.005	100	1323528	40.0	
* 3 Acenaphthene-d10	164	6.873	6.879	-0.006	90	771483	40.0	
* 4 Phenanthrene-d10	188	8.137	8.142	-0.005	97	1299243	40.0	
* 5 Chrysene-d12	240	11.815	11.832	-0.017	80	1363426	40.0	
* 6 Perylene-d12	264	15.863	15.880	-0.017	97	1256570	40.0	
94 Caprolactam	55	5.734	5.755	-0.011	81	433380	83.9	
167 Atrazine	200	7.831	7.837	-0.006	90	595712	91.3	
189 Benzidine	184	9.488	9.494	-0.006	99	2485251	106.9	
205 3,3'-Dichlorobenzidine	252	11.744	11.756	-0.012	69	1322804	88.2	

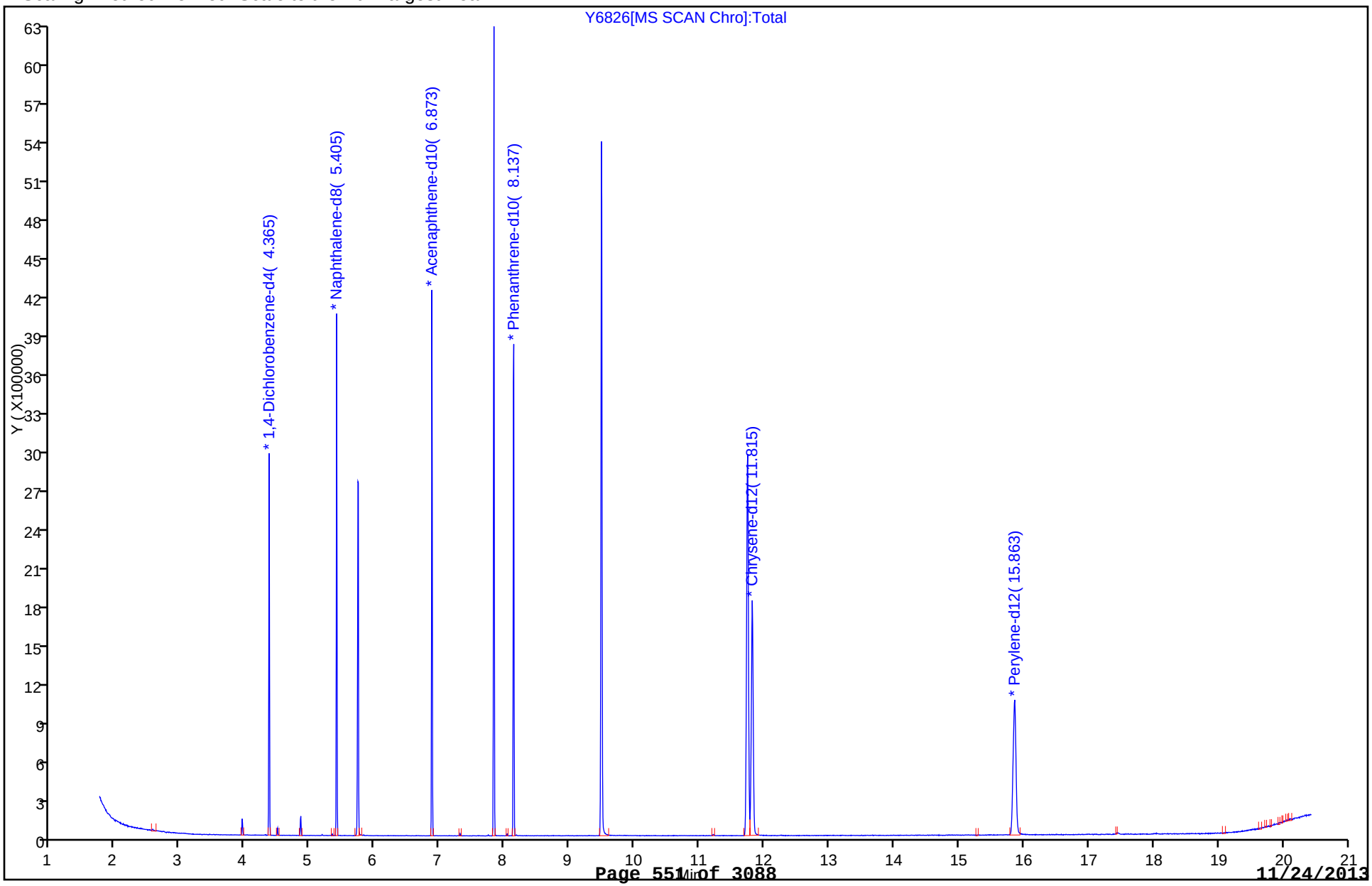
Report Date: 10-Oct-2013 08:49:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6826.D

Injection Date:	07-Oct-2013 16:12:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	11
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201071/2 Calibration Date: 11/14/2013 13:12

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y7489.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6925	0.6626		76.5	80.0	-4.3	20.0
N-Nitrosodimethylamine	Ave	1.000	1.005		80.4	80.0	0.5	20.0
Pyridine	Ave	1.737	1.660		76.5	80.0	-4.4	20.0
Phenol	Ave	1.946	1.954		80.3	80.0	0.4	20.0
Aniline	Ave	2.491	2.485		79.8	80.0	-0.3	20.0
Bis(2-chloroethyl)ether	Lin2		1.536		85.2	80.0	6.6	20.0
2-Chlorophenol	Ave	1.547	1.551		80.2	80.0	0.3	20.0
1,3-Dichlorobenzene	Ave	1.635	1.618		79.2	80.0	-1.0	20.0
1,4-Dichlorobenzene	Ave	1.660	1.664		80.2	80.0	0.2	20.0
Benzyl alcohol	Ave	1.046	1.046		80.0	80.0	-0.0	20.0
1,2-Dichlorobenzene	Ave	1.581	1.560		79.0	80.0	-1.3	20.0
2-Methylphenol	Ave	1.475	1.468		79.7	80.0	-0.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.672	1.895		90.6	80.0	13.3	20.0
3 & 4 Methylphenol	Ave	1.523	1.522		80.0	80.0	-0.0	20.0
4-Methylphenol	Ave	1.523	1.522		80.0	80.0	-0.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.133	1.175	0.0500	83.0	80.0	3.8	20.0
Acetophenone	Ave	2.166	2.184		80.7	80.0	0.8	20.0
Hexachloroethane	Ave	0.6780	0.6778		80.0	80.0	-0.0	20.0
Nitrobenzene	Ave	0.4163	0.4391		84.4	80.0	5.5	20.0
Isophorone	Ave	0.7205	0.7435		82.6	80.0	3.2	20.0
2,4-Dimethylphenol	Ave	0.3843	0.3999		83.2	80.0	4.1	20.0
2-Nitrophenol	Ave	0.1966	0.2029		82.5	80.0	3.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4377	0.4525		82.7	80.0	3.4	20.0
Benzoic acid	Lin2		0.2954		149	160	-6.8	20.0
2,4-Dichlorophenol	Ave	0.3081	0.3027		78.6	80.0	-1.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3258	0.3185		78.2	80.0	-2.2	20.0
Naphthalene	Lin2		1.071		84.1	80.0	5.1	20.0
4-Chloroaniline	Ave	0.4820	0.4821		80.0	80.0	0.0	20.0
Hexachlorobutadiene	Ave	0.1841	0.1851		80.4	80.0	0.5	20.0
Caprolactam	Ave	0.1561	0.1612		82.6	80.0	3.3	20.0
4-Chloro-3-methylphenol	Ave	0.3392	0.3427		80.8	80.0	1.0	20.0
2-Methylnaphthalene	Lin2		0.7117		82.6	80.0	3.3	20.0
1-Methylnaphthalene	Lin2		0.6672		82.8	80.0	3.6	20.0
Hexachlorocyclopentadiene	Ave	0.3520	0.3315	0.0500	75.4	80.0	-5.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3043	0.2990		78.6	80.0	-1.7	20.0
2,4,6-Trichlorophenol	Ave	0.3603	0.3519		78.1	80.0	-2.3	20.0
2,4,5-Trichlorophenol	Ave	0.3810	0.3815		80.1	80.0	0.1	20.0
1,1'-Biphenyl	Ave	1.502	1.547		82.4	80.0	3.0	20.0
2-Chloronaphthalene	Ave	1.135	1.150		81.1	80.0	1.4	20.0
2-Nitroaniline	Ave	0.3880	0.4392		90.6	80.0	13.2	20.0
Dimethyl phthalate	Ave	1.287	1.307		81.3	80.0	1.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201071/2 Calibration Date: 11/14/2013 13:12

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y7489.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dinitrobenzene	Ave	0.2167	0.2217		81.8	80.0	2.3	50.0
2,6-Dinitrotoluene	Ave	0.3022	0.3035		80.3	80.0	0.4	20.0
Acenaphthylene	Ave	1.802	1.841		81.8	80.0	2.2	20.0
3-Nitroaniline	Ave	0.3808	0.3752		78.8	80.0	-1.5	20.0
Acenaphthene	Ave	1.134	1.166		82.3	80.0	2.8	20.0
2,4-Dinitrophenol	Lin2		0.1872	0.0500	160	160	-0.3	20.0
4-Nitrophenol	Ave	0.2303	0.2323	0.0500	161	160	0.9	20.0
2,4-Dinitrotoluene	Ave	0.4028	0.4127		82.0	80.0	2.4	20.0
Dibenzofuran	Ave	1.589	1.622		81.7	80.0	2.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3105	0.3190		82.2	80.0	2.7	20.0
Diethyl phthalate	Ave	1.267	1.298		81.9	80.0	2.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.6108	0.6160		80.7	80.0	0.8	20.0
Fluorene	Ave	1.317	1.342		81.5	80.0	1.9	20.0
4-Nitroaniline	Ave	0.3753	0.3690		78.6	80.0	-1.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1406	0.1576		179	160	12.1	20.0
N-Nitrosodiphenylamine	Ave	0.5761	0.5979		83.0	80.0	3.8	20.0
1,2-Diphenylhydrazine	Ave	1.438	1.533		86.2	80.9	6.6	20.0
Azobenzene	Ave	1.453	1.549		85.3	80.0	6.6	50.0
4-Bromophenyl phenyl ether	Ave	0.2278	0.2322		81.6	80.0	2.0	20.0
Hexachlorobenzene	Ave	0.2470	0.2430		78.7	80.0	-1.6	20.0
Atrazine	Ave	0.2010	0.2085		83.0	80.0	3.7	20.0
Pentachlorophenol	Lin1		0.1509		164	160	2.7	20.0
Phenanthrene	Ave	1.128	1.203		85.4	80.0	6.7	20.0
Anthracene	Ave	1.167	1.249		85.7	80.0	7.1	20.0
Carbazole	Ave	1.093	1.151		84.3	80.0	5.3	20.0
Alachlor	Ave	0.1529	0.1619		84.7	80.0	5.8	50.0
Di-n-butyl phthalate	Ave	1.270	1.358		85.6	80.0	6.9	20.0
Fluoranthene	Ave	1.194	1.277		85.5	80.0	6.9	20.0
Benzidine	Lin2		0.6586		77.3	80.0	-3.4	20.0
Pyrene	Ave	1.211	1.256		82.9	80.0	3.7	20.0
Famphur	Qua		0.4326		83.2	80.0	4.0	20.0
Butyl benzyl phthalate	Ave	0.5598	0.5941		84.9	80.0	6.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7250	0.7941		87.6	80.0	9.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4398	0.4468		81.3	80.0	1.6	20.0
Benzo[a]anthracene	Ave	1.114	1.144		82.2	80.0	2.7	20.0
Chrysene	Ave	1.044	1.061		81.3	80.0	1.6	20.0
Di-n-octyl phthalate	Ave	1.180	1.311		88.8	80.0	11.1	20.0
Benzo[b]fluoranthene	Ave	1.135	1.168		82.4	80.0	2.9	20.0
Benzo[k]fluoranthene	Ave	1.206	1.253		83.1	80.0	3.9	20.0
Benzo[a]pyrene	Ave	1.120	1.159		82.7	80.0	3.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9442	0.9908		84.0	80.0	4.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201071/2 Calibration Date: 11/14/2013 13:12

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y7489.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Ave	1.039	1.079		83.1	80.0	3.9	20.0
Benzo[g,h,i]perylene	Ave	1.103	1.120		81.2	80.0	1.5	20.0
2-Fluorophenol (Surr)	Ave	1.469	1.460		79.5	80.0	-0.6	20.0
Phenol-d5 (Surr)	Ave	1.890	1.935		81.9	80.0	2.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4220	0.4476		84.9	80.0	6.1	20.0
2-Fluorobiphenyl	Ave	1.271	1.301		81.9	80.0	2.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2056	0.1998		77.7	80.0	-2.8	20.0
Terphenyl-d14 (Surr)	Ave	0.8091	0.8432		83.4	80.0	4.2	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7489.D
Lims ID: CCV HSLA080 Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Nov-2013 13:12:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: CCV HSLA080
Operator ID: hoffmanm Instrument ID: SMS_Y
Sublist: chrom-SMSY_8270C*sub16

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:52 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 15-Nov-2013 11:49:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.307	4.307	0.0	97	184037	40.0	
* 2 Naphthalene-d8	136	5.359	5.359	0.0	100	727417	40.0	
* 3 Acenaphthene-d10	164	6.834	6.834	0.0	92	409863	40.0	
* 4 Phenanthrene-d10	188	8.085	8.085	0.0	97	652844	40.0	
* 5 Chrysene-d12	240	11.705	11.705	0.0	96	676082	40.0	
* 6 Perylene-d12	264	15.688	15.688	0.0	97	627608	40.0	
$ 7 2-Fluorophenol	112	3.262	3.262	0.0	93	537212	79.5	
$ 8 Phenol-d5	99	3.990	3.990	0.0	97	712226	81.9	
$ 9 Nitrobenzene-d5	82	4.766	4.766	0.0	88	651177	84.9	
$ 11 2-Fluorobiphenyl	172	6.241	6.241	0.0	99	1066864	81.9	
$ 12 2,4,6-Tribromophenol	330	7.498	7.498	0.0	91	163761	77.7	
$ 13 Terphenyl-d14	244	9.719	9.719	0.0	98	1140159	83.4	
27 1,4-Dioxane	88	1.934	1.934	0.0	94	243890	76.5	
28 N-Nitrosodimethylamine	74	2.186	2.186	0.0	87	369744	80.4	
29 Pyridine	79	2.228	2.228	0.0	96	610839	76.5	
40 Phenol	94	4.002	4.002	0.0	99	719197	80.3	
43 Aniline	93	4.043	4.043	0.0	96	914501	79.8	
44 Alpha Methyl Styrene	118	4.067	4.067	0.0	88	591171	82.3	
45 Bis(2-chloroethyl)ether	93	4.072	4.072	0.0	94	565335	85.2	
47 n-Decane	43	4.114	4.114	0.0	88	529663	90.3	
48 2-Chlorophenol	128	4.143	4.143	0.0	97	570833	80.2	
49 1,3-Dichlorobenzene	146	4.266	4.266	0.0	96	595521	79.2	
50 1,4-Dichlorobenzene	146	4.325	4.325	0.0	92	612454	80.2	
51 Benzyl alcohol	108	4.407	4.407	0.0	90	384913	80.0	
52 1,2-Dichlorobenzene	146	4.448	4.448	0.0	93	574214	79.0	
54 2-Methylphenol	108	4.484	4.484	0.0	97	540415	79.7	
55 2,2'-oxybis[1-chloropropane]	45	4.496	4.496	0.0	90	697507	90.6	
56 Indene	116	4.519	4.519	0.0	84	935671	79.4	
58 3-Methylphenol	108	4.607	4.607	0.0	84	560271	80.0	
59 4-Methylphenol	108	4.607	4.607	0.0	84	560271	80.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
60 3 & 4 Methylphenol	108	4.607	4.607	0.0	84	560271	80.0	
61 N-Nitrosodi-n-propylamine	70	4.607	4.607	0.0	81	432624	83.0	
63 Acetophenone	105	4.625	4.625	0.0	94	803826	80.7	
66 Hexachloroethane	117	4.725	4.725	0.0	98	249485	80.0	
67 Nitrobenzene	77	4.778	4.778	0.0	90	638812	84.4	
71 Isophorone	82	4.960	4.960	0.0	97	1081723	82.6	
73 2,4-Dimethylphenol	107	5.042	5.042	0.0	92	581816	83.2	
74 2-Nitrophenol	139	5.042	5.042	0.0	97	295151	82.5	
77 Benzoic acid	105	5.124	5.124	0.0	87	859433	149.1	
78 Bis(2-chloroethoxy)methane	93	5.112	5.112	0.0	99	658273	82.7	
79 3,5-Dimethylphenol	107	5.154	5.154	0.0	95	606475	83.0	
82 2,4-Dichlorophenol	162	5.236	5.236	0.0	96	440429	78.6	
84 1,2,4-Trichlorobenzene	180	5.306	5.306	0.0	94	463372	78.2	
87 Naphthalene	128	5.377	5.377	0.0	98	1558828	84.1	
88 4-Chloroaniline	127	5.412	5.412	0.0	84	701401	80.0	
91 Hexachlorobutadiene	225	5.453	5.453	0.0	96	269350	80.4	
94 Caprolactam	55	5.706	5.706	0.0	78	234548	82.6	
97 4-Chloro-3-methylphenol	107	5.800	5.800	0.0	94	498577	80.8	
101 2-Methylnaphthalene	142	5.947	5.947	0.0	89	1035426	82.6	
103 1-Methylnaphthalene	142	6.035	6.035	0.0	90	970604	82.8	
105 Hexachlorocyclopentadiene	237	6.064	6.064	0.0	92	271745	75.4	
106 1,2,4,5-Tetrachlorobenzene	216	6.088	6.088	0.0	99	435004	78.6	
108 2,4,6-Trichlorophenol	196	6.182	6.182	0.0	92	288474	78.1	
109 2,3-Dichlorobenzenamine	161	6.194	6.194	0.0	93	541618	80.9	
110 2,4,5-Trichlorophenol	196	6.217	6.217	0.0	90	312728	80.1	
112 1,1'-Biphenyl	154	6.329	6.329	0.0	95	1268425	82.4	
114 2-Chloronaphthalene	162	6.364	6.364	0.0	99	942880	81.1	
116 2-Nitroaniline	65	6.452	6.452	0.0	81	360038	90.6	
119 Dimethyl phthalate	163	6.564	6.564	0.0	98	1071704	81.3	
120 1,3-Dinitrobenzene	168	6.622	6.622	0.0	84	181729	81.8	
121 2,6-Dinitrotoluene	165	6.634	6.634	0.0	88	248749	80.3	
122 Acenaphthylene	152	6.716	6.716	0.0	92	1509345	81.8	
123 3-Nitroaniline	138	6.793	6.793	0.0	92	307566	78.8	
124 Acenaphthene	153	6.857	6.857	0.0	94	955967	82.3	
126 2,4-Dinitrophenol	184	6.875	6.875	0.0	77	306968	159.5	
127 4-Nitrophenol	109	6.928	6.928	0.0	90	380821	161.4	
130 2,4-Dinitrotoluene	165	6.975	6.975	0.0	80	338278	82.0	
132 Dibenzofuran	168	7.004	7.004	0.0	89	1329863	81.7	
134 2,3,4,6-Tetrachlorophenol	232	7.098	7.098	0.0	70	261496	82.2	
136 Hexadecane	57	7.104	7.104	0.0	94	704844	93.3	
139 Diethyl phthalate	149	7.139	7.139	0.0	97	1063741	81.9	
142 4-Chlorophenyl phenyl ether	204	7.263	7.263	0.0	98	504961	80.7	
143 Fluorene	166	7.292	7.292	0.0	83	1100273	81.5	
146 4-Nitroaniline	138	7.316	7.316	0.0	74	302450	78.6	
147 4,6-Dinitro-2-methylphenol	198	7.322	7.322	0.0	74	411424	179.3	
150 N-Nitrosodiphenylamine	169	7.369	7.369	0.0	63	780704	83.0	
151 1,2-Diphenylhydrazine	77	7.398	7.398	0.0	99	1270093	86.2	
152 Azobenzene	77	7.398	7.398	0.0	100	1270093	85.3	
155 2,4,6 - Tribromophenol	330	7.498	7.498	0.0	91	163761	77.7	
164 4-Bromophenyl phenyl ether	248	7.680	7.680	0.0	65	303220	81.6	
165 Hexachlorobenzene	284	7.756	7.756	0.0	89	317257	78.7	
167 Atrazine	200	7.786	7.786	0.0	88	272202	83.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
169 n-Octadecane	85	7.868	7.868	0.0	94	337856	90.0	
171 Pentachlorophenol	266	7.921	7.921	0.0	85	394022	164.3	
176 Phenanthrene	178	8.109	8.109	0.0	98	1571075	85.4	
177 Anthracene	178	8.150	8.150	0.0	98	1631303	85.7	
178 Carbazole	167	8.285	8.285	0.0	83	1503359	84.3	
179 Alachlor	188	8.344	8.344	0.0	97	211342	84.7	
181 Di-n-butyl phthalate	149	8.497	8.497	0.0	100	1773160	85.6	
188 Fluoranthene	202	9.272	9.272	0.0	98	1667201	85.5	
189 Benzidine	184	9.419	9.419	0.0	99	890583	77.3	
191 Pyrene	202	9.578	9.578	0.0	97	1697824	82.9	
197 Famphur	218	10.389	10.389	0.0	86	584987	83.2	
198 Butyl benzyl phthalate	149	10.459	10.459	0.0	97	803314	84.9	
203 Bis(2-ethylhexyl) phthalate	149	11.593	11.593	0.0	98	1073775	87.6	
205 3,3'-Dichlorobenzidine	252	11.628	11.628	0.0	68	604074	81.3	
206 Benzo[a]anthracene	228	11.675	11.675	0.0	99	1547109	82.2	
207 Chrysene	228	11.763	11.763	0.0	95	1434589	81.3	
209 Di-n-octyl phthalate	149	13.326	13.326	0.0	100	1772488	88.8	
211 Benzo[b]fluoranthene	252	14.519	14.519	0.0	94	1466372	82.4	
212 Benzo[k]fluoranthene	252	14.601	14.601	0.0	99	1572759	83.1	
214 Benzo[e]pyrene	252	15.359	15.359	0.0	96	1270062	82.4	
215 Benzo[a]pyrene	252	15.512	15.512	0.0	77	1454169	82.7	
221 Dibenz(a,h)anthracene	278	19.143	19.143	0.0	83	1354812	83.1	
222 Indeno[1,2,3-cd]pyrene	276	19.078	19.078	0.0	95	1339771	84.0	
223 Benzo[g,h,i]perylene	276	19.678	19.678	0.0	96	1405523	81.2	
S 225 Methyl Phenols,Total	108				0		159.6	
S 226 Total Cresols	108				0		159.6	

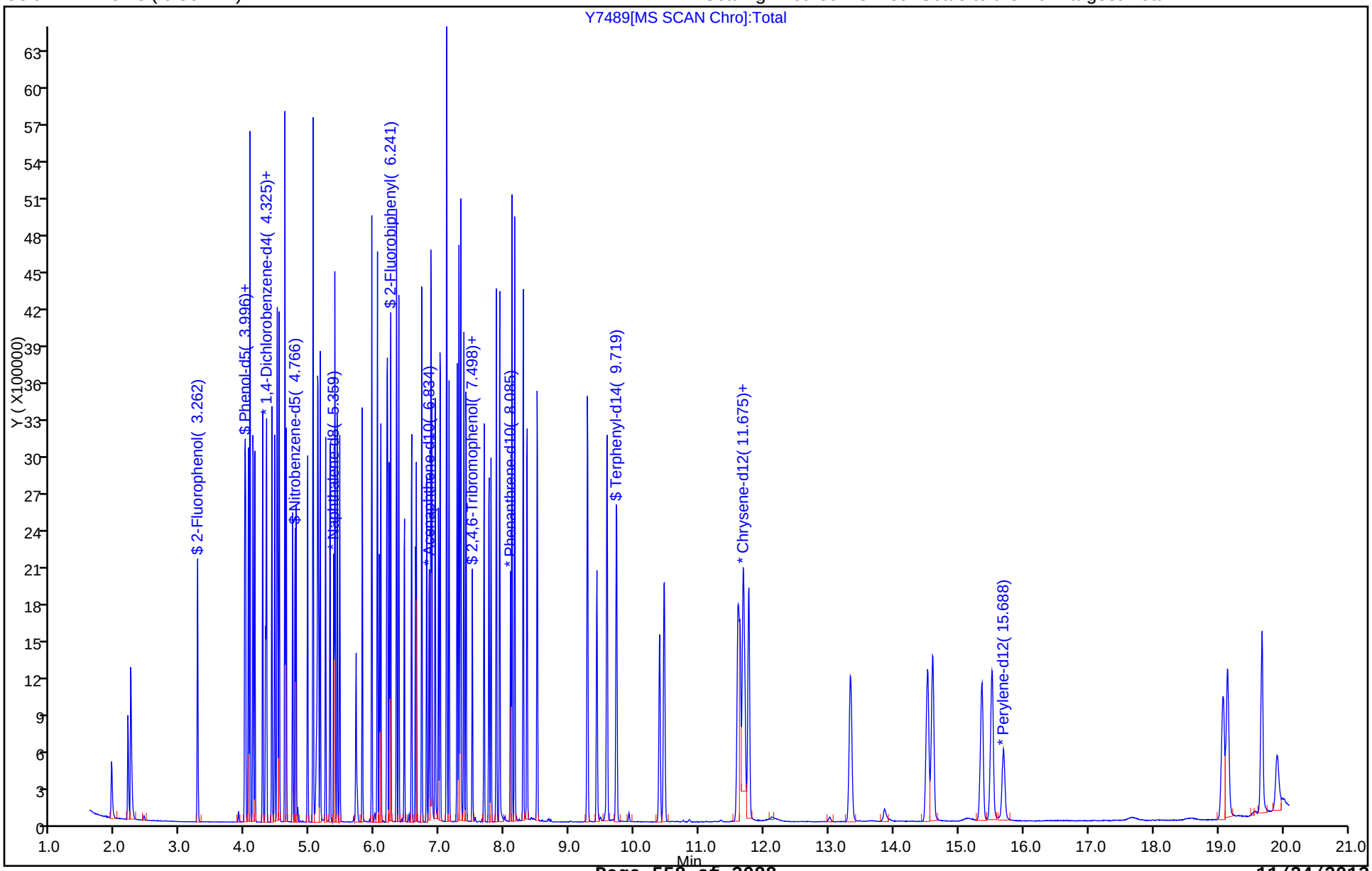
Report Date: 17-Nov-2013 12:32:52 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7489.D

Injection Date:	14-Nov-2013 13:12:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	CCV HSLA080	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201071/3 Calibration Date: 11/14/2013 13:39

Instrument ID: SMS_Y Calib Start Date: 09/19/2013 09:25

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/19/2013 12:03

Lab File ID: Y7490.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Picoline	Ave	1.662	1.663		80.1	80.0	0.0	50.0
N-Nitrosomethylethylamine	Ave	0.7622	0.7433		78.0	80.0	-2.5	50.0
Methyl methanesulfonate	Ave	0.9777	1.013		82.9	80.0	3.6	50.0
N-Nitrosodiethylamine	Ave	0.7249	0.7379		81.4	80.0	1.8	50.0
Ethyl methanesulfonate	Ave	1.143	1.205		84.3	80.0	5.4	50.0
Pentachloroethane	Ave	0.5090	0.5421		85.2	80.0	6.5	50.0
N-Nitrosopyrrolidine	Ave	0.7722	0.7989		82.8	80.0	3.5	20.0
N-Nitrosomorpholine	Ave	0.3074	0.3152		82.0	80.0	2.5	50.0
2-Toluidine	Ave	2.200	2.352		85.5	80.0	6.9	50.0
N-Nitrosopiperidine	Ave	0.1829	0.1831		80.1	80.0	0.1	50.0
o,o',o''-Triethylphosphorothioate	Ave	0.1706	0.1666		78.1	80.0	-2.3	20.0
alpha,alpha-Dimethyl phenethylamine	Ave	0.8157	0.8294		81.3	80.0	1.7	50.0
2,6-Dichlorophenol	Ave	0.2727	0.2789		81.8	80.0	2.3	20.0
Hexachloropropene	Ave	0.2113	0.2137		80.9	80.0	1.1	50.0
N-Nitrosodi-n-butylamine	Ave	0.2345	0.2629		92.8	80.0	12.1	50.0
p-Phenylene diamine	Ave	0.4712	0.4749		80.6	80.0	0.8	50.0
Safrole, Total	Ave	0.2724	0.2699		79.3	80.0	-0.9	20.0
1-Chloronaphthalene	Ave	1.018	1.068		83.9	80.0	4.9	50.0
1,4-Naphthoquinone	Ave	0.3205	0.3460		86.3	80.0	7.9	50.0
1,4-Dinitrobenzene	Lin2		0.1908		88.7	80.0	10.9	20.0
Pentachlorobenzene	Ave	0.4999	0.4869		77.9	80.0	-2.6	50.0
1-Naphthylamine	Ave	1.174	1.260		85.8	80.0	7.3	50.0
2-Naphthylamine	Lin2		1.290		85.9	80.0	7.3	50.0
Thionazin	Ave	0.2977	0.3354		90.1	80.0	12.6	20.0
N-Nitro-o-toluidine	Ave	0.3617	0.3842		85.0	80.0	6.2	50.0
Diphenylamine	Ave	1.034	1.089		84.3	80.0	5.4	50.0
Sulfotepp	Ave	0.1306	0.1569		96.1	80.0	20.1*	20.0
Diallate Peak 1	Ave	0.3384	0.3922		81.8	70.6	15.9	50.0
1,3,5-Trinitrobenzene	Lin2		0.0793		92.3	80.0	15.4	50.0
Phorate	Ave	0.1464	0.1666		91.1	80.0	13.8	20.0
Phenacetin	Ave	0.3893	0.4390		90.2	80.0	12.8	50.0
Diallate Peak 2	Ave	0.3954	0.4150		9.91	9.44	4.9	50.0
Dimethoate	Ave	0.3026	0.3429		90.6	80.0	13.3	20.0
4-Aminobiphenyl	Ave	0.7633	0.8723		92.1	80.0	14.3	50.0
Pronamide	Ave	0.2862	0.3430		95.3	80.0	19.9	50.0
Pentachloronitrobenzene	Ave	0.0895	0.0937		83.7	80.0	4.6	50.0
Disulfoton	Ave	0.3954	0.4518		91.4	80.0	14.3	20.0
Methyl parathion	Ave	0.2452	0.2844		92.8	80.0	16.0	20.0
Ethyl Parathion	Ave	0.1551	0.1871		96.5	80.0	20.6*	20.0
4-Nitroquinoline-1-oxide	Lin2		0.0750		50.8	80.0	-36.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201071/3 Calibration Date: 11/14/2013 13:39

Instrument ID: SMS_Y Calib Start Date: 09/19/2013 09:25

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/19/2013 12:03

Lab File ID: Y7490.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methapyrilene	Ave	0.3560	0.3893		85.4	80.0	9.4	50.0
Isodrin	Ave	0.1231	0.1267		82.4	80.0	3.0	50.0
Aramite Peak 1	Lin2		0.0581		26.9	36.9	-27.1	50.0
Aramite Peak 2	Ave	0.0767	0.0557		30.0	43.1	-27.4	50.0
p-Dimethylamino azobenzene	Ave	0.3282	0.3851		93.9	80.0	17.3	50.0
Ethyl 4,4'-Dichlorobenzilate	Ave	0.3108	0.3290		84.7	80.0	5.8	50.0
3,3'-Dimethylbenzidine	Ave	0.6084	0.6793		89.3	80.0	11.7	50.0
2-Acetylaminofluorene	Lin2		0.5130		93.9	80.0	17.4	50.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5343	0.5558		79.2	80.0	4.0	50.0
3-Methylcholanthrene	Lin2		0.5604		77.8	80.0	-2.7	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7490.D
Lims ID: CCV AP9A080 Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Nov-2013 13:39:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: CCV AP9A080
Operator ID: hoffmanm Instrument ID: SMS_Y
Sublist: chrom-SMSY_8270C*sub15

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:53 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 15-Nov-2013 11:50:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.310	4.310	0.0	97	178314	40.0	
* 2 Naphthalene-d8	136	5.362	5.362	0.0	100	707367	40.0	
* 3 Acenaphthene-d10	164	6.830	6.830	0.0	93	396249	40.0	
* 4 Phenanthrene-d10	188	8.088	8.088	0.0	97	652500	40.0	
* 5 Chrysene-d12	240	11.695	11.695	0.0	93	657145	40.0	
* 6 Perylene-d12	264	15.685	15.685	0.0	97	616123	40.0	
31 2-Picoline	93	2.812	2.812	0.0	95	592992	80.1	
32 N-Nitrosomethylethylamine	88	2.894	2.894	0.0	89	265093	78.0	
33 Acrylamide	71	3.105	3.105	0.0	75	223785	76.8	
34 Methyl methanesulfonate	80	3.135	3.135	0.0	88	361244	82.9	
35 N-Nitrosodiethylamine	102	3.446	3.446	0.0	96	263171	81.4	
37 Ethyl methanesulfonate	79	3.669	3.669	0.0	98	429679	84.3	
46 Pentachloroethane	117	4.087	4.087	0.0	92	193329	85.2	
62 N-Nitrosopyrrolidine	100	4.621	4.621	0.0	94	284910	82.8	
64 N-Nitrosomorpholine	116	4.645	4.645	0.0	93	112393	82.0	
65 2-Toluidine	106	4.662	4.662	0.0	86	838838	85.5	
70 N-Nitrosopiperidine	114	4.903	4.903	0.0	81	259026	80.1	
76 o,o',o''-Triethylphosphorothioat	198	5.074	5.074	0.0	91	235704	78.1	
81 alpha,alpha-Dimethyl phenethylam	58	5.185	5.185	0.0	98	1173377	81.3	
89 2,6-Dichlorophenol	162	5.420	5.420	0.0	93	394513	81.8	
90 Hexachloropropene	213	5.444	5.444	0.0	90	302337	80.9	
92 Quinoline	129	5.655	5.655	0.0	96	979629	89.5	
93 N-Nitrosodi-n-butylamine	84	5.655	5.655	0.0	88	371959	92.8	
95 p-Phenylene diamine	108	5.708	5.708	0.0	96	671798	80.6	
98 Safrole, Total	162	5.855	5.855	0.0	87	381829	79.3	
107 Isosafrole Peak 1	162	6.096	6.096	0.0	85	63158	14.3	
111 Isosafrole Peak 2	104	6.284	6.284	0.0	89	130396	90.8	
115 1-Chloronaphthalene	162	6.384	6.384	0.0	96	846441	83.9	
117 1,4-Naphthoquinone	158	6.513	6.513	0.0	81	274176	86.3	
118 1,4-Dinitrobenzene	168	6.554	6.554	0.0	88	151174	88.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
129 Pentachlorobenzene	250	6.966	6.966	0.0	96	385882	77.9	
133 1-Naphthylamine	143	7.077	7.077	0.0	99	998380	85.8	
137 2-Naphthylamine	143	7.142	7.142	0.0	94	1022350	85.9	
141 Thionazin	97	7.212	7.212	0.0	79	265800	90.1	
145 N-Nitro-o-toluidine	152	7.300	7.300	0.0	92	304473	85.0	
149 Diphenylamine	169	7.365	7.365	0.0	90	863361	84.3	
154 Sulfotepp	97	7.441	7.441	0.0	81	204767	96.1	
158 Diallate Peak 1	86	7.577	7.577	0.0	93	451447	81.8	
159 1,3,5-Trinitrobenzene	213	7.594	7.594	0.0	67	103487	92.3	
160 Phorate	121	7.594	7.594	0.0	91	217441	91.1	
161 Phenacetin	108	7.612	7.612	0.0	92	572857	90.2	
163 Diallate Peak 2	86	7.659	7.659	0.0	91	63906	9.91	
166 Dimethoate	87	7.759	7.759	0.0	96	447529	90.6	
170 4-Aminobiphenyl	169	7.911	7.911	0.0	83	1138290	92.1	
172 Pronamide	173	7.917	7.917	0.0	89	447643	95.3	
173 Pentachloronitrobenzene	237	7.923	7.923	0.0	83	122207	83.7	
174 Disulfoton	88	8.029	8.029	0.0	96	589650	91.4	
175 Dinoseb	211	8.035	8.035	0.0	89	248113	88.4	
180 Methyl parathion	109	8.364	8.364	0.0	93	371089	92.8	
183 Ethyl Parathion	109	8.705	8.705	0.0	84	244144	96.5	
184 4-Nitroquinoline-1-oxide	190	8.816	8.816	0.0	51	97822	50.8	
185 Methapyrilene	97	8.816	8.816	0.0	93	508086	85.4	
187 Isodrin	193	9.087	9.087	0.0	92	165396	82.4	
192 Aramite Peak 1	185	9.627	9.627	0.0	92	35190	26.9	
193 Aramite Peak 2	185	9.733	9.733	0.0	92	39455	30.0	
194 p-Dimethylamino azobenzene	120	9.927	9.927	0.0	93	506180	93.9	
195 Chlorobenzilate	251	9.962	9.962	0.0	84	432349	84.7	
199 3,3'-Dimethylbenzidine	212	10.508	10.508	0.0	96	892850	89.3	
202 2-Acetylaminofluorene	181	10.996	10.996	0.0	93	674193	93.9	
204 4,4'-Methylene bis(2-chloroanili	231	11.619	11.619	0.0	92	266499	86.3	
208 6-Methylchrysene	242	12.865	12.865	0.0	96	981066	85.6	
210 7,12-Dimethylbenz(a)anthracene	256	14.498	14.498	0.0	81	684817	79.2	
217 3-Methylcholanthrene	268	16.613	16.613	0.0	70	690591	77.8	
219 Dibenz[a,h]acridine	279	18.387	18.387	0.0	73	1103278	84.6	
220 Dibenz[a,j]acridine	279	18.558	18.558	0.0	99	1018369	72.5	
S 227 Aramite, Total	185				0		56.9	
S 228 Diallate	86				0		91.7	
S 229 Isosafrole	162				0		105.0	

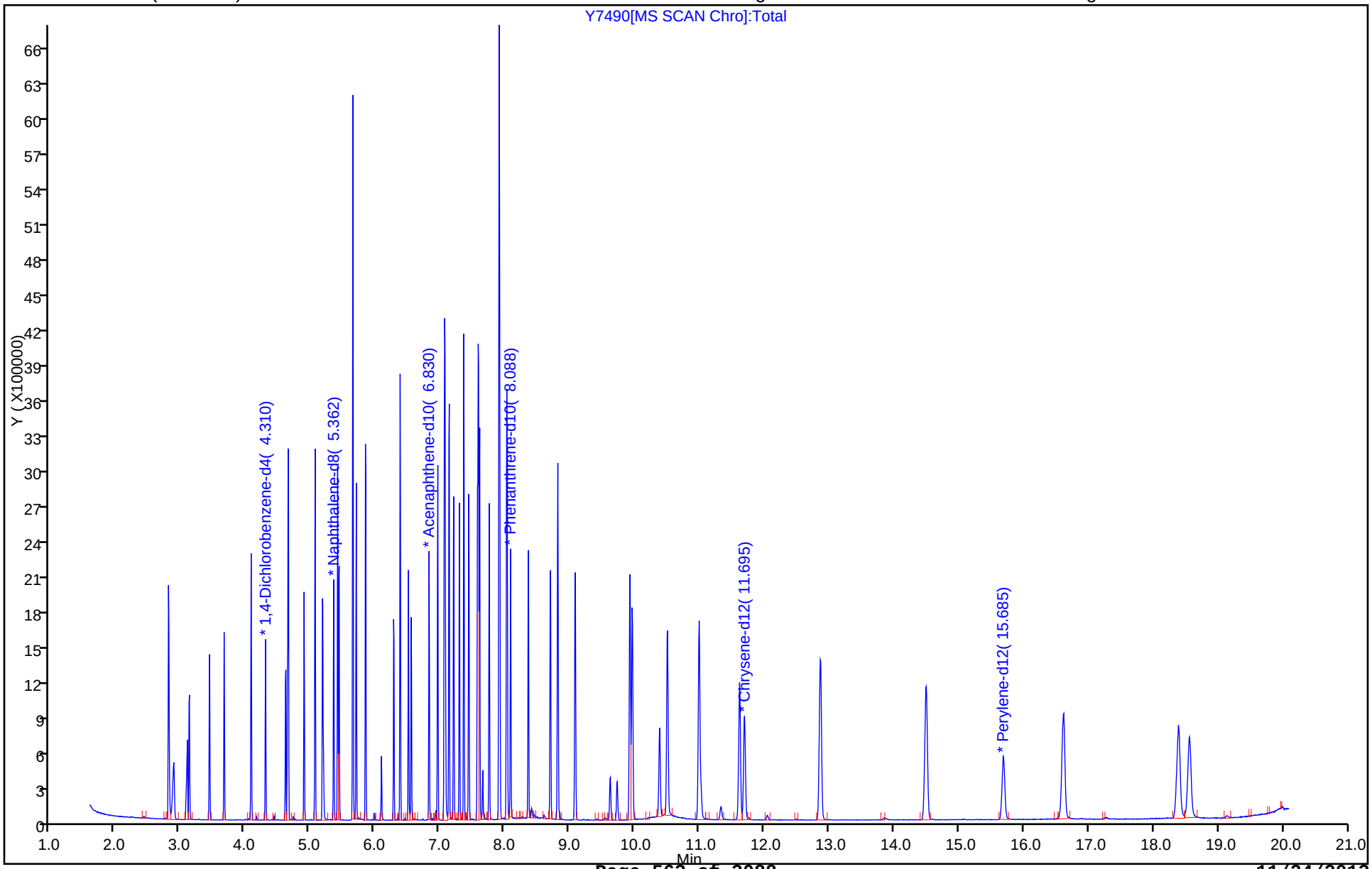
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7490.D

Injection Date:	14-Nov-2013 13:39:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	CCV AP9A080	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201071/4 Calibration Date: 11/14/2013 14:07

Instrument ID: SMS_Y Calib Start Date: 09/18/2013 18:09

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/18/2013 20:27

Lab File ID: Y7491.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.235	1.610		104	80.0	30.4*	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7491.D
Lims ID: CCV BZHD Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Nov-2013 14:07:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: CCV BZHD100
Operator ID: hoffmanm Instrument ID: SMS_Y
Sublist: chrom-SMSY_8270C*sub1

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:54 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 15-Nov-2013 11:50:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.308	4.308	0.0	98	181024	40.0	
* 2 Naphthalene-d8	136	5.360	5.360	0.0	100	733698	40.0	
* 3 Acenaphthene-d10	164	6.828	6.828	0.0	93	402874	40.0	
* 4 Phenanthrene-d10	188	8.086	8.086	0.0	97	683211	40.0	
* 5 Chrysene-d12	240	11.693	11.693	0.0	97	701733	40.0	
* 6 Perylene-d12	264	15.689	15.689	0.0	97	671156	40.0	
39 Benzaldehyde	106	3.967	3.967	0.0	92	582778	104.3	

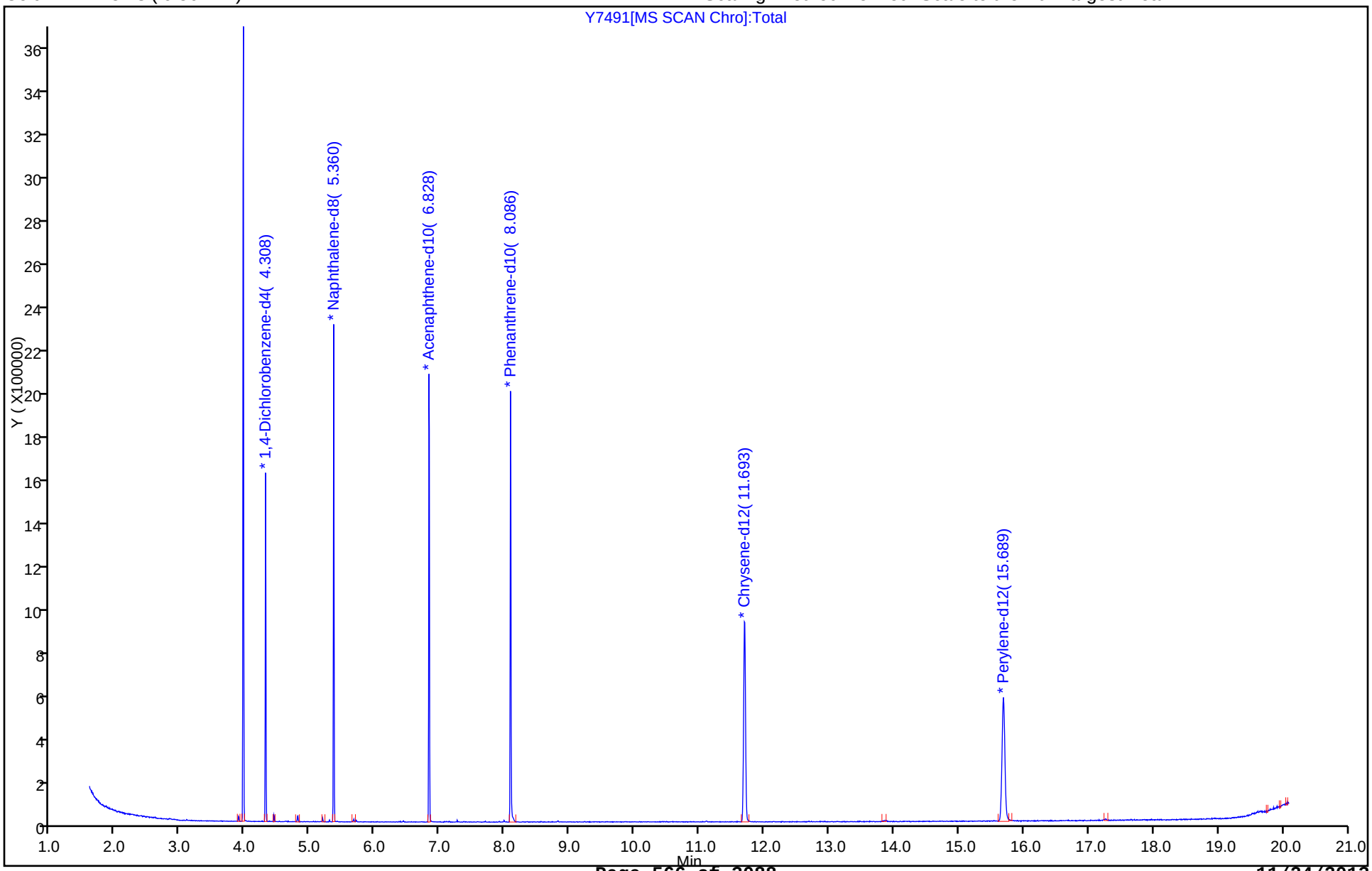
Report Date: 17-Nov-2013 12:32:54 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7491.D

Injection Date:	14-Nov-2013 14:07:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	CCV BZHD	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201912/2 Calibration Date: 11/20/2013 11:52

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y7636.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6925	0.6276		72.5	80.0	-9.4	20.0
N-Nitrosodimethylamine	Ave	1.000	0.9381		75.1	80.0	-6.1	20.0
Pyridine	Ave	1.737	1.623		74.8	80.0	-6.5	20.0
Phenol	Ave	1.946	1.851		76.1	80.0	-4.9	20.0
Aniline	Ave	2.491	2.332		74.9	80.0	-6.4	20.0
Bis(2-chloroethyl)ether	Lin2		1.433		79.5	80.0	-0.6	20.0
2-Chlorophenol	Ave	1.547	1.500		77.6	80.0	-3.0	20.0
1,3-Dichlorobenzene	Ave	1.635	1.581		77.3	80.0	-3.3	20.0
1,4-Dichlorobenzene	Ave	1.660	1.599		77.0	80.0	-3.7	20.0
Benzyl alcohol	Ave	1.046	0.996		76.2	80.0	-4.8	20.0
1,2-Dichlorobenzene	Ave	1.581	1.519		76.9	80.0	-3.9	20.0
2-Methylphenol	Ave	1.475	1.399		75.9	80.0	-5.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.672	1.577		0.00100	80.0	-5.7	20.0
N-Nitrosodi-n-propylamine	Ave	1.133	1.097	0.0500	77.4	80.0	-3.2	20.0
3 & 4 Methylphenol	Ave	1.523	1.454		76.4	80.0	-4.5	20.0
4-Methylphenol	Ave	1.523	1.454		76.4	80.0	-4.5	20.0
Acetophenone	Ave	2.166	2.056		75.9	80.0	-5.1	20.0
Hexachloroethane	Ave	0.6780	0.6669		78.7	80.0	-1.6	20.0
Nitrobenzene	Ave	0.4163	0.4134		79.4	80.0	-0.7	20.0
Isophorone	Ave	0.7205	0.7010		77.8	80.0	-2.7	20.0
2-Nitrophenol	Ave	0.1966	0.2041		83.0	80.0	3.8	20.0
2,4-Dimethylphenol	Ave	0.3843	0.3911		81.4	80.0	1.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.4377	0.4320		79.0	80.0	-1.3	20.0
Benzoic acid	Lin2		0.2728		138	160	-13.9	20.0
2,4-Dichlorophenol	Ave	0.3081	0.3037		78.9	80.0	-1.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3258	0.3229		79.3	80.0	-0.9	20.0
Naphthalene	Lin2		1.040		81.6	80.0	2.0	20.0
4-Chloroaniline	Ave	0.4820	0.4720		78.3	80.0	-2.1	20.0
Hexachlorobutadiene	Ave	0.1841	0.1933		84.0	80.0	4.9	20.0
Caprolactam	Ave	0.1561	0.1483		76.0	80.0	-5.0	20.0
4-Chloro-3-methylphenol	Ave	0.3392	0.3318		78.2	80.0	-2.2	20.0
2-Methylnaphthalene	Lin2		0.7067		82.0	80.0	2.5	20.0
1-Methylnaphthalene	Lin2		0.6536		81.1	80.0	1.4	20.0
Hexachlorocyclopentadiene	Ave	0.3520	0.3317	0.0500	75.4	80.0	-5.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3043	0.3128		82.2	80.0	2.8	20.0
2,4,6-Trichlorophenol	Ave	0.3603	0.3593		79.8	80.0	-0.3	20.0
2,4,5-Trichlorophenol	Ave	0.3810	0.3811		80.0	80.0	0.0	20.0
1,1'-Biphenyl	Ave	1.502	1.503		80.0	80.0	0.0	20.0
2-Chloronaphthalene	Ave	1.135	1.140		80.4	80.0	0.5	20.0
2-Nitroaniline	Ave	0.3880	0.4001		82.5	80.0	3.1	20.0
Dimethyl phthalate	Ave	1.287	1.279		79.5	80.0	-0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201912/2 Calibration Date: 11/20/2013 11:52

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y7636.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.3022	0.2998		79.4	80.0	-0.8	20.0
Acenaphthylene	Ave	1.802	1.798		79.8	80.0	-0.2	20.0
3-Nitroaniline	Ave	0.3808	0.3774		79.3	80.0	-0.9	20.0
Acenaphthene	Ave	1.134	1.142		80.6	80.0	0.7	20.0
2,4-Dinitrophenol	Lin2		0.1838	0.0500	157	160	-2.1	20.0
4-Nitrophenol	Ave	0.2303	0.2158	0.0500	150	160	-6.3	20.0
2,4-Dinitrotoluene	Ave	0.4028	0.4097		81.4	80.0	1.7	20.0
Dibenzofuran	Ave	1.589	1.578		79.5	80.0	-0.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3105	0.3274		84.4	80.0	5.5	20.0
Diethyl phthalate	Ave	1.267	1.282		80.9	80.0	1.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6108	0.6207		81.3	80.0	1.6	20.0
Fluorene	Ave	1.317	1.331		80.8	80.0	1.1	20.0
4-Nitroaniline	Ave	0.3753	0.3685		78.5	80.0	-1.8	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1406	0.1579		180	160	12.3	20.0
N-Nitrosodiphenylamine	Ave	0.5761	0.5909		82.1	80.0	2.6	20.0
1,2-Diphenylhydrazine	Ave	1.438	1.408		79.2	80.9	-2.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2278	0.2378		83.5	80.0	4.4	20.0
Hexachlorobenzene	Ave	0.2470	0.2486		80.5	80.0	0.6	20.0
Atrazine	Ave	0.2010	0.2117		84.2	80.0	5.3	20.0
Pentachlorophenol	Lin1		0.1524		166	160	3.7	20.0
Phenanthrene	Ave	1.128	1.139		80.8	80.0	1.0	20.0
Anthracene	Ave	1.167	1.176		80.6	80.0	0.8	20.0
Carbazole	Ave	1.093	1.092		79.9	80.0	-0.0	20.0
Di-n-butyl phthalate	Ave	1.270	1.277		80.5	80.0	0.6	20.0
Fluoranthene	Ave	1.194	1.245		83.4	80.0	4.2	20.0
Benzidine	Lin2		0.6684		78.4	80.0	-2.0	20.0
Pyrene	Ave	1.211	1.188		78.5	80.0	-1.9	20.0
Famphur	Qua		0.4270		82.0	80.0	2.5	20.0
Butyl benzyl phthalate	Ave	0.5598	0.5543		79.2	80.0	-1.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7250	0.7424		81.9	80.0	2.4	20.0
3,3'-Dichlorobenzidine	Ave	0.4398	0.4423		80.5	80.0	0.6	20.0
Benzo[a]anthracene	Ave	1.114	1.095		78.7	80.0	-1.7	20.0
Chrysene	Ave	1.044	1.019		78.1	80.0	-2.4	20.0
Di-n-octyl phthalate	Ave	1.180	1.223		82.9	80.0	3.6	20.0
Benzo[b]fluoranthene	Ave	1.135	1.166		82.2	80.0	2.8	20.0
Benzo[k]fluoranthene	Ave	1.206	1.232		81.7	80.0	2.1	20.0
Benzo[a]pyrene	Ave	1.120	1.151		82.2	80.0	2.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9442	0.9458		80.1	80.0	0.2	20.0
Dibenz(a,h)anthracene	Ave	1.039	1.074		82.7	80.0	3.4	20.0
Benzo[g,h,i]perylene	Ave	1.103	1.118		81.1	80.0	1.4	20.0
2-Fluorophenol (Surr)	Ave	1.469	1.405		76.5	80.0	-4.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201912/2 Calibration Date: 11/20/2013 11:52

Instrument ID: SMS_Y Calib Start Date: 10/07/2013 12:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/07/2013 15:17

Lab File ID: Y7636.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenol-d5 (Surr)	Ave	1.890	1.839		77.8	80.0	-2.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4220	0.4262		80.8	80.0	1.0	20.0
2-Fluorobiphenyl	Ave	1.271	1.284		80.8	80.0	1.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2056	0.2047		79.7	80.0	-0.4	20.0
Terphenyl-d14 (Surr)	Ave	0.8091	0.8141		80.5	80.0	0.6	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7636.D
Lims ID: CCV HSLA080 Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 20-Nov-2013 11:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: CCV HSLA080
Operator ID: hoffmanm Instrument ID: SMS_Y
Sublist: chrom-SMSY_8270C*sub16

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:03 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 20-Nov-2013 12:16:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.287	4.287	0.0	98	367128	40.0	
* 2 Naphthalene-d8	136	5.339	5.339	0.0	100	1428036	40.0	
* 3 Acenaphthene-d10	164	6.814	6.814	0.0	92	807455	40.0	
* 4 Phenanthrene-d10	188	8.071	8.071	0.0	97	1316956	40.0	
* 5 Chrysene-d12	240	11.667	11.667	0.0	93	1402613	40.0	
* 6 Perylene-d12	264	15.639	15.639	0.0	97	1271795	40.0	
$ 7 2-Fluorophenol	112	3.241	3.241	0.0	92	1031525	76.5	
$ 8 Phenol-d5	99	3.970	3.970	0.0	93	1350020	77.8	
$ 9 Nitrobenzene-d5	82	4.745	4.745	0.0	87	1217101	80.8	
$ 11 2-Fluorobiphenyl	172	6.220	6.220	0.0	99	2073241	80.8	
$ 12 2,4,6-Tribromophenol	330	7.483	7.483	0.0	91	330629	79.7	
$ 13 Terphenyl-d14	244	9.698	9.698	0.0	98	2283810	80.5	
27 1,4-Dioxane	88	1.908	1.908	0.0	92	460798	72.5	
28 N-Nitrosodimethylamine	74	2.160	2.160	0.0	90	688801	75.1	
29 Pyridine	79	2.201	2.201	0.0	98	1191624	74.8	
40 Phenol	94	3.982	3.982	0.0	98	1359042	76.1	
43 Aniline	93	4.023	4.023	0.0	98	1712617	74.9	
44 Alpha Methyl Styrene	118	4.046	4.046	0.0	84	1147775	80.1	
45 Bis(2-chloroethyl)ether	93	4.052	4.052	0.0	94	1052051	79.5	
47 n-Decane	43	4.099	4.099	0.0	86	901491	77.1	
48 2-Chlorophenol	128	4.123	4.123	0.0	95	1101253	77.6	
49 1,3-Dichlorobenzene	146	4.246	4.246	0.0	95	1160509	77.3	
50 1,4-Dichlorobenzene	146	4.305	4.305	0.0	92	1174018	77.0	
51 Benzyl alcohol	108	4.387	4.387	0.0	90	731089	76.2	
52 1,2-Dichlorobenzene	146	4.434	4.434	0.0	95	1115069	76.9	
54 2-Methylphenol	108	4.469	4.469	0.0	96	1026966	75.9	
55 2,2'-oxybis[1-chloropropane]	45	4.475	4.475	0.0	89	1158163	75.5	
56 Indene	116	4.499	4.499	0.0	84	1781993	75.8	
58 3-Methylphenol	108	4.593	4.593	0.0	91	1067759	76.4	
59 4-Methylphenol	108	4.593	4.593	0.0	91	1067759	76.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
60 3 & 4 Methylphenol	108	4.593	4.593	0.0	91	1067759	76.4	
61 N-Nitrosodi-n-propylamine	70	4.587	4.587	0.0	81	805117	77.4	
63 Acetophenone	105	4.610	4.610	0.0	97	1509410	75.9	
66 Hexachloroethane	117	4.704	4.704	0.0	97	489640	78.7	
67 Nitrobenzene	77	4.763	4.763	0.0	87	1180754	79.4	
71 Isophorone	82	4.939	4.939	0.0	97	2002185	77.8	
73 2,4-Dimethylphenol	107	5.027	5.027	0.0	96	1116991	81.4	
74 2-Nitrophenol	139	5.022	5.022	0.0	95	582854	83.0	
77 Benzoic acid	105	5.104	5.104	0.0	85	1558188	137.8	
78 Bis(2-chloroethoxy)methane	93	5.098	5.098	0.0	99	1233888	79.0	
79 3,5-Dimethylphenol	107	5.133	5.133	0.0	95	1167540	81.4	
82 2,4-Dichlorophenol	162	5.215	5.215	0.0	96	867490	78.9	
84 1,2,4-Trichlorobenzene	180	5.286	5.286	0.0	93	922182	79.3	
87 Naphthalene	128	5.362	5.362	0.0	98	2970971	81.6	
88 4-Chloroaniline	127	5.398	5.398	0.0	83	1348078	78.3	
91 Hexachlorobutadiene	225	5.433	5.433	0.0	97	551933	84.0	
94 Caprolactam	55	5.686	5.686	0.0	82	423539	76.0	
97 4-Chloro-3-methylphenol	107	5.785	5.785	0.0	95	947623	78.2	
101 2-Methylnaphthalene	142	5.932	5.932	0.0	89	2018243	82.0	
103 1-Methylnaphthalene	142	6.015	6.015	0.0	89	1866761	81.1	
105 Hexachlorocyclopentadiene	237	6.050	6.050	0.0	87	535689	75.4	
106 1,2,4,5-Tetrachlorobenzene	216	6.067	6.067	0.0	96	893236	82.2	
108 2,4,6-Trichlorophenol	196	6.161	6.161	0.0	91	580247	79.8	
109 2,3-Dichlorobenzenamine	161	6.173	6.173	0.0	93	1068650	81.1	
110 2,4,5-Trichlorophenol	196	6.203	6.203	0.0	92	615448	80.0	
112 1,1'-Biphenyl	154	6.314	6.314	0.0	95	2426396	80.0	
114 2-Chloronaphthalene	162	6.344	6.344	0.0	99	1840707	80.4	
116 2-Nitroaniline	65	6.432	6.432	0.0	81	646116	82.5	
119 Dimethyl phthalate	163	6.543	6.543	0.0	97	2064862	79.5	
120 1,3-Dinitrobenzene	168	6.602	6.602	0.0	83	362180	82.8	
121 2,6-Dinitrotoluene	165	6.620	6.620	0.0	93	484169	79.4	
122 Acenaphthylene	152	6.702	6.702	0.0	92	2902854	79.8	
123 3-Nitroaniline	138	6.778	6.778	0.0	95	609513	79.3	
124 Acenaphthene	153	6.843	6.843	0.0	93	1844360	80.6	
126 2,4-Dinitrophenol	184	6.861	6.861	0.0	84	593597	156.6	
127 4-Nitrophenol	109	6.908	6.908	0.0	90	696903	149.9	
130 2,4-Dinitrotoluene	165	6.960	6.960	0.0	90	661615	81.4	
132 Dibenzofuran	168	6.984	6.984	0.0	88	2549023	79.5	
134 2,3,4,6-Tetrachlorophenol	232	7.084	7.084	0.0	66	528794	84.4	
136 Hexadecane	57	7.090	7.090	0.0	93	1239742	83.3	
139 Diethyl phthalate	149	7.125	7.125	0.0	98	2070887	80.9	
142 4-Chlorophenyl phenyl ether	204	7.248	7.248	0.0	94	1002322	81.3	
143 Fluorene	166	7.272	7.272	0.0	82	2149074	80.8	
146 4-Nitroaniline	138	7.295	7.295	0.0	78	595036	78.5	
147 4,6-Dinitro-2-methylphenol	198	7.307	7.307	0.0	86	831734	179.7	
150 N-Nitrosodiphenylamine	169	7.348	7.348	0.0	62	1556442	82.1	
151 1,2-Diphenylhydrazine	77	7.384	7.384	0.0	98	2298942	79.2	
152 Azobenzene	77	7.384	7.384	0.0	99	2298942	78.4	
155 2,4,6 - Tribromophenol	330	7.483	7.483	0.0	91	334855	80.7	
164 4-Bromophenyl phenyl ether	248	7.666	7.666	0.0	62	626445	83.5	
165 Hexachlorobenzene	284	7.736	7.736	0.0	93	654657	80.5	
167 Atrazine	200	7.771	7.771	0.0	92	557472	84.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
169 n-Octadecane	85	7.854	7.854	0.0	96	618877	81.8	
171 Pentachlorophenol	266	7.901	7.901	0.0	87	802748	165.9	
176 Phenanthrene	178	8.094	8.094	0.0	98	2999493	80.8	
177 Anthracene	178	8.136	8.136	0.0	98	3096864	80.6	
178 Carbazole	167	8.265	8.265	0.0	83	2877519	79.9	
179 Alachlor	188	8.324	8.324	0.0	96	419856	83.4	
181 Di-n-butyl phthalate	149	8.482	8.482	0.0	100	3364441	80.5	
188 Fluoranthene	202	9.252	9.252	0.0	98	3278675	83.4	
189 Benzidine	184	9.393	9.393	0.0	99	1875106	78.4	
191 Pyrene	202	9.552	9.552	0.0	97	3333772	78.5	
197 Famphur	218	10.357	10.357	0.0	85	1197900	82.0	
198 Butyl benzyl phthalate	149	10.427	10.427	0.0	97	1554972	79.2	
203 Bis(2-ethylhexyl) phthalate	149	11.561	11.561	0.0	97	2082465	81.9	
205 3,3'-Dichlorobenzidine	252	11.590	11.590	0.0	74	1240737	80.5	
206 Benzo[a]anthracene	228	11.637	11.637	0.0	99	3071329	78.7	
207 Chrysene	228	11.725	11.725	0.0	95	2859041	78.1	
209 Di-n-octyl phthalate	149	13.288	13.288	0.0	99	3429882	82.9	
211 Benzo[b]fluoranthene	252	14.463	14.463	0.0	92	2965824	82.2	
212 Benzo[k]fluoranthene	252	14.552	14.552	0.0	99	3133542	81.7	
214 Benzo[e]pyrene	252	15.304	15.304	0.0	97	2531982	81.1	
215 Benzo[a]pyrene	252	15.456	15.456	0.0	76	2927315	82.2	
221 Dibenz(a,h)anthracene	278	19.099	19.099	0.0	85	2732632	82.7	
222 Indeno[1,2,3-cd]pyrene	276	19.023	19.023	0.0	95	2653303	80.1	M
223 Benzo[g,h,i]perylene	276	19.640	19.640	0.0	94	2843834	81.1	
S 225 Methyl Phenols,Total	108				0		152.3	
S 226 Total Cresols	108				0		152.3	

QC Flag Legend

Review Flags
M - Manually Integrated

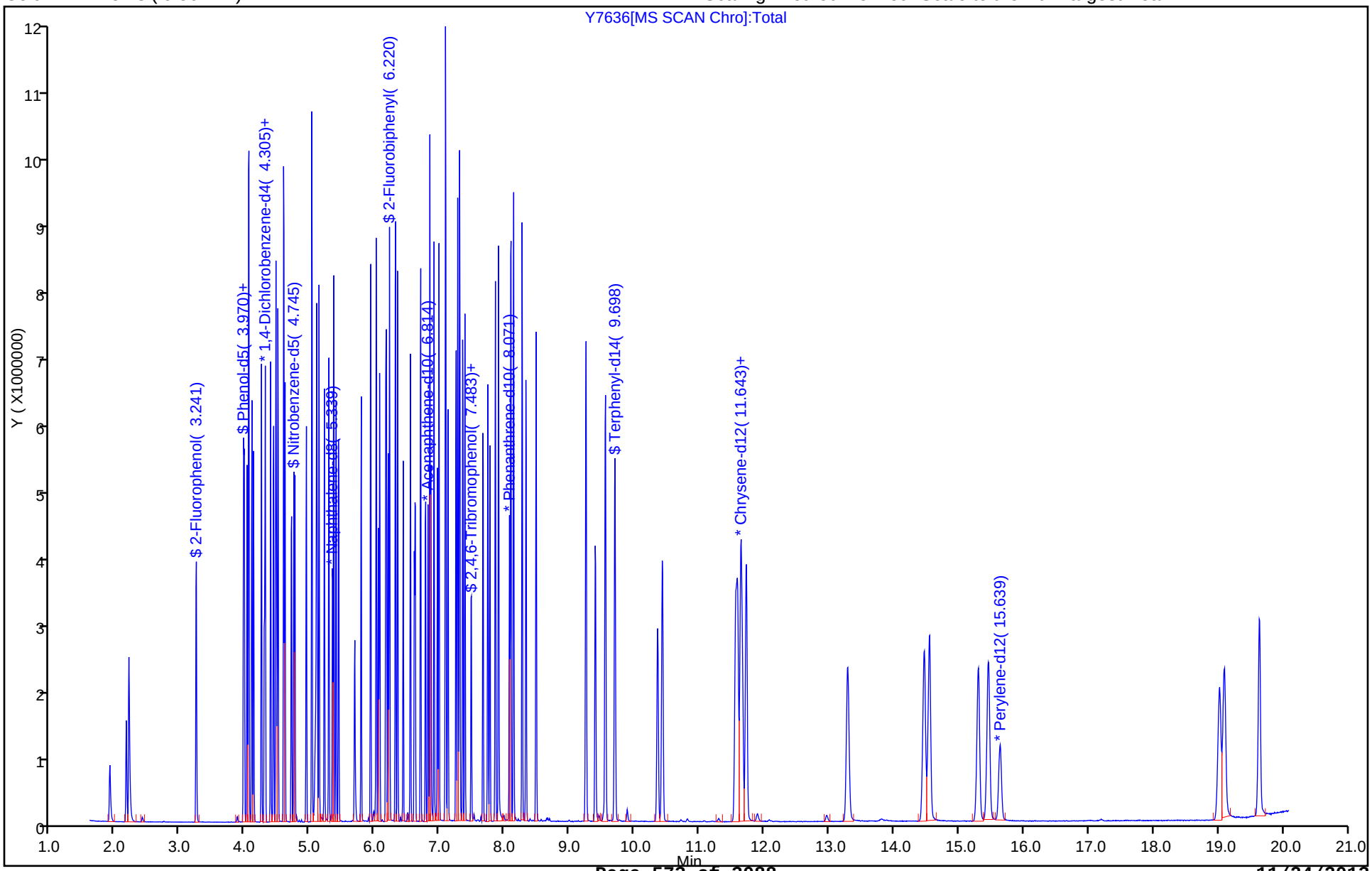
Report Date: 21-Nov-2013 08:22:04 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7636.D

Injection Date:	20-Nov-2013 11:52:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	CCV HSLA080	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

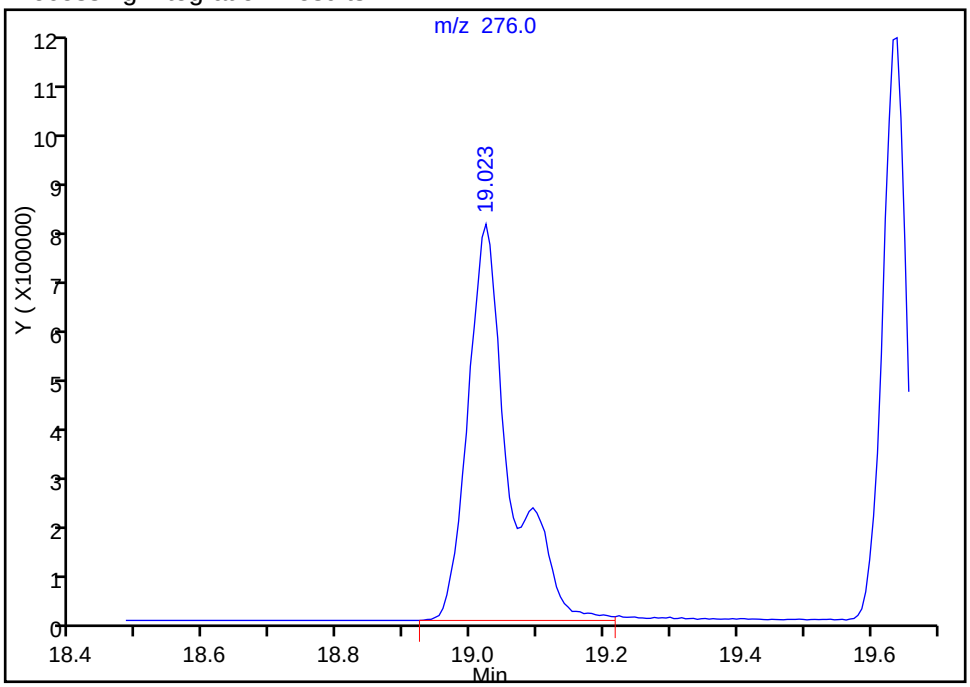
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7636.D				
Injection Date:	20-Nov-2013 11:52:30	Instrument ID:	SMS_Y		
Lims ID:	CCV HSLA080	Lab Sample ID:			
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

222 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

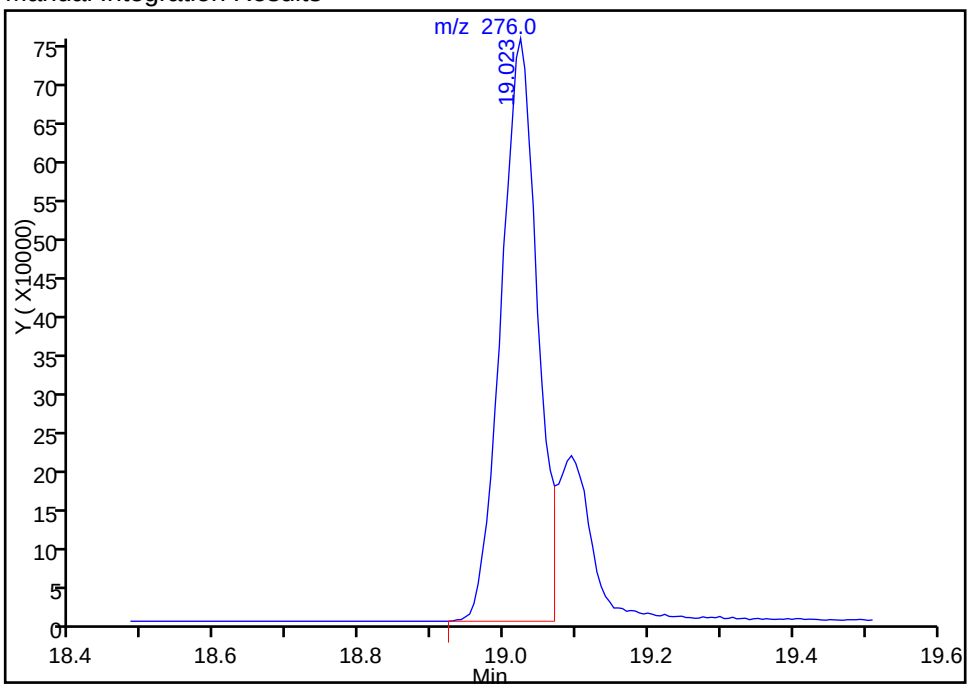
Processing Integration Results

RT: 19.02
Response: 3321133
Amount: 100.3106



Manual Integration Results

RT: 19.02
Response: 2653303
Amount: 80.139619



Reviewer: hoffmanm, 20-Nov-2013 12:16:09
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201912/3 Calibration Date: 11/20/2013 12:20

Instrument ID: SMS_Y Calib Start Date: 09/19/2013 09:25

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/19/2013 12:03

Lab File ID: Y7637.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiethylamine	Ave	0.7249	0.6929		76.5	80.0	-4.4	20.0
Ethyl methanesulfonate	Ave	1.143	1.090		76.3	80.0	-4.6	50.0
Pentachloroethane	Ave	0.5090	0.5154		81.0	80.0	1.3	20.0
N-Nitrosopyrrolidine	Ave	0.7722	0.7407		76.7	80.0	-4.1	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1706	0.1670		78.3	80.0	-2.1	20.0
2,6-Dichlorophenol	Ave	0.2727	0.2856		83.8	80.0	4.7	20.0
N-Nitrosodi-n-butylamine	Ave	0.2345	0.2543		89.7	80.0	8.4	20.0
Pentachlorobenzene	Ave	0.4999	0.4898		78.4	80.0	-2.0	20.0
Thionazin	Ave	0.2977	0.3167		85.1	80.0	6.4	20.0
Sulfotepp	Ave	0.1306	0.1449		88.7	80.0	10.9	20.0
Diallate Peak 1	Ave	0.3384	0.3552		74.0	70.6	4.9	50.0
Phorate	Ave	0.1464	0.1583		86.5	80.0	8.2	20.0
Dimethoate	Ave	0.3026	0.3202		84.6	80.0	5.8	20.0
Pentachloronitrobenzene	Ave	0.0895	0.0970		86.7	80.0	8.3	50.0
Disulfoton	Ave	0.3954	0.4151		84.0	80.0	5.0	20.0
Methyl parathion	Ave	0.2452	0.2772		90.5	80.0	13.1	20.0
Ethyl Parathion	Ave	0.1551	0.1781		91.9	80.0	14.8	20.0
p-Dimethylamino azobenzene	Ave	0.3282	0.3525		85.9	80.0	7.4	50.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5343	0.5588		79.6	80.0	4.6	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7637.D
Lims ID: CCV AP9A080 Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 20-Nov-2013 12:20:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: CCV AP9A080
Operator ID: hoffmanm Instrument ID: SMS_Y
Sublist: chrom-SMSY_8270C*sub15

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:05 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 20-Nov-2013 13:28:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.290	4.290	0.0	97	369923	40.0	
* 2 Naphthalene-d8	136	5.341	5.341	0.0	100	1433480	40.0	
* 3 Acenaphthene-d10	164	6.810	6.810	0.0	93	821011	40.0	
* 4 Phenanthrene-d10	188	8.068	8.068	0.0	97	1368126	40.0	
* 5 Chrysene-d12	240	11.658	11.658	0.0	97	1446198	40.0	
* 6 Perylene-d12	264	15.629	15.629	0.0	98	1329870	40.0	
31 2-Picoline	93	2.786	2.786	0.0	94	1141686	74.3	
32 N-Nitrosomethylethylamine	88	2.874	2.874	0.0	88	499349	70.8	
33 Acrylamide	71	3.079	3.079	0.0	79	416978	68.9	
34 Methyl methanesulfonate	80	3.109	3.109	0.0	87	669244	74.0	
35 N-Nitrosodiethylamine	102	3.426	3.426	0.0	91	512612	76.5	
37 Ethyl methanesulfonate	79	3.649	3.649	0.0	98	806505	76.3	
46 Pentachloroethane	117	4.066	4.066	0.0	89	381325	81.0	
62 N-Nitrosopyrrolidine	100	4.601	4.601	0.0	95	548004	76.7	
64 N-Nitrosomorpholine	116	4.625	4.625	0.0	92	218414	76.8	
65 2-Toluidine	106	4.642	4.642	0.0	86	1638406	80.5	
70 N-Nitrosopiperidine	114	4.883	4.883	0.0	85	513900	78.4	
76 o,o',o''-Triethylphosphorothioat	198	5.054	5.054	0.0	92	478789	78.3	
81 alpha,alpha-Dimethyl phenethylam	58	5.165	5.165	0.0	98	2189020	74.9	
89 2,6-Dichlorophenol	162	5.400	5.400	0.0	94	818812	83.8	
90 Hexachloropropene	213	5.424	5.424	0.0	89	634815	83.8	
92 Quinoline	129	5.635	5.635	0.0	95	1951834	85.8	
93 N-Nitrosodi-n-butylamine	84	5.635	5.635	0.0	61	729095	89.7	
95 p-Phenylene diamine	108	5.688	5.688	0.0	96	1328455	78.7	
98 Safrole, Total	162	5.835	5.835	0.0	87	798556	81.8	
107 Isosafrole Peak 1	162	6.082	6.082	0.0	90	125006	13.6	
111 Isosafrole Peak 2	104	6.270	6.270	0.0	91	201632	67.7	
115 1-Chloronaphthalene	162	6.370	6.370	0.0	97	1756045	84.0	
117 1,4-Naphthoquinone	158	6.493	6.493	0.0	81	530183	80.6	
118 1,4-Dinitrobenzene	168	6.540	6.540	0.0	90	311364	88.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
129 Pentachlorobenzene	250	6.945	6.945	0.0	97	804245	78.4	
133 1-Naphthylamine	143	7.057	7.057	0.0	99	2058598	85.4	
137 2-Naphthylamine	143	7.122	7.122	0.0	94	2091750	84.8	
141 Thionazin	97	7.192	7.192	0.0	79	520040	85.1	
145 N-Nitro-o-toluidine	152	7.280	7.280	0.0	92	616650	83.1	
149 Diphenylamine	169	7.351	7.351	0.0	90	1760009	83.0	
154 Sulfotepp	97	7.427	7.427	0.0	80	396392	88.7	
158 Diallate Peak 1	86	7.562	7.562	0.0	91	857188	74.0	
159 1,3,5-Trinitrobenzene	213	7.574	7.574	0.0	70	225366	95.7	
160 Phorate	121	7.574	7.574	0.0	92	433194	86.5	
161 Phenacetin	108	7.592	7.592	0.0	93	1169119	87.8	
163 Diallate Peak 2	86	7.639	7.639	0.0	92	121066	8.95	
166 Dimethoate	87	7.739	7.739	0.0	95	876166	84.6	
170 4-Aminobiphenyl	169	7.891	7.891	0.0	87	2360881	90.9	
172 Pronamide	173	7.897	7.897	0.0	83	934382	94.8	
173 Pentachloronitrobenzene	237	7.903	7.903	0.0	76	265271	86.7	
174 Disulfoton	88	8.009	8.009	0.0	97	1135835	84.0	
175 Dinoseb	211	8.021	8.021	0.0	94	530690	90.1	
180 Methyl parathion	109	8.344	8.344	0.0	92	758557	90.5	
183 Ethyl Parathion	109	8.679	8.679	0.0	85	487236	91.9	
184 4-Nitroquinoline-1-oxide	190	8.796	8.796	0.0	52	217987	53.6	
185 Methapyrilene	97	8.796	8.796	0.0	90	1002095	79.4	
187 Isodrin	193	9.061	9.061	0.0	92	338583	80.4	
192 Aramite Peak 1	185	9.595	9.595	0.0	94	120721	40.7	
193 Aramite Peak 2	185	9.707	9.707	0.0	95	141307	47.5	
194 p-Dimethylamino azobenzene	120	9.901	9.901	0.0	94	1019501	85.9	
195 Chlorobenzilate	251	9.936	9.936	0.0	88	936325	83.3	
199 3,3'-Dimethylbenzidine	212	10.477	10.477	0.0	96	1929038	87.7	
202 2-Acetylaminofluorene	181	10.958	10.958	0.0	93	1407436	89.3	
204 4,4'-Methylene bis(2-chloroanili	231	11.581	11.581	0.0	93	583920	86.0	
208 6-Methylchrysene	242	12.821	12.821	0.0	99	2145236	85.0	
210 7,12-Dimethylbenz(a)anthracene	256	14.443	14.443	0.0	82	1486320	79.6	
217 3-Methylcholanthrene	268	16.558	16.558	0.0	74	1531556	79.8	
219 Dibenz[a,h]acridine	279	18.320	18.320	0.0	78	2355634	83.8	
220 Dibenz[a,j]acridine	279	18.491	18.491	0.0	99	2274071	74.9	
S 227 Aramite, Total	185				0		88.2	
S 228 Diallate	86				0		83.0	
S 229 Isosafrole	162				0		81.4	

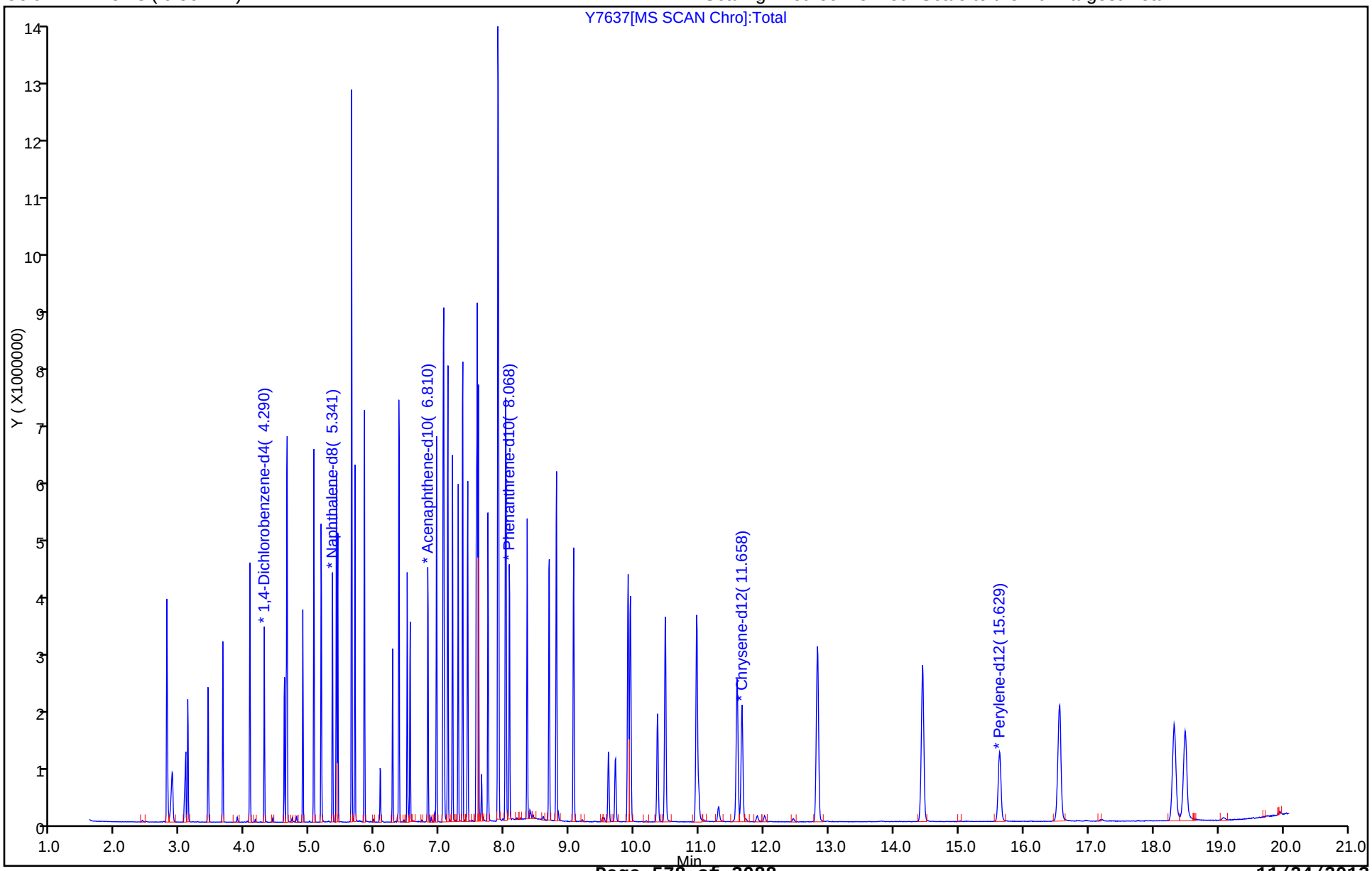
Report Date: 21-Nov-2013 08:22:06 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7637.D

Injection Date:	20-Nov-2013 12:20:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	CCV AP9A080	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: CCV 280-201912/4 Calibration Date: 11/20/2013 12:47

Instrument ID: SMS_Y Calib Start Date: 09/18/2013 18:09

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 09/18/2013 20:27

Lab File ID: Y7638.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.235	1.229		99.6	100	-0.4	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7638.D
Lims ID: CCV BZHDA Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 20-Nov-2013 12:47:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: CCV BZHDA
Operator ID: hoffmanm Instrument ID: SMS_Y
Sublist: chrom-SMSY_8270C*sub1

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 20-Nov-2013 13:29:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.287	4.287	0.0	97	337772	40.0	
* 2 Naphthalene-d8	136	5.339	5.339	0.0	100	1316391	40.0	
* 3 Acenaphthene-d10	164	6.814	6.814	0.0	92	745502	40.0	
* 4 Phenanthrene-d10	188	8.071	8.071	0.0	97	1241909	40.0	
* 5 Chrysene-d12	240	11.655	11.655	0.0	97	1363177	40.0	
* 6 Perylene-d12	264	15.627	15.627	0.0	97	1277471	40.0	
39 Benzaldehyde	106	3.947	3.947	0.0	91	1038118	99.6	

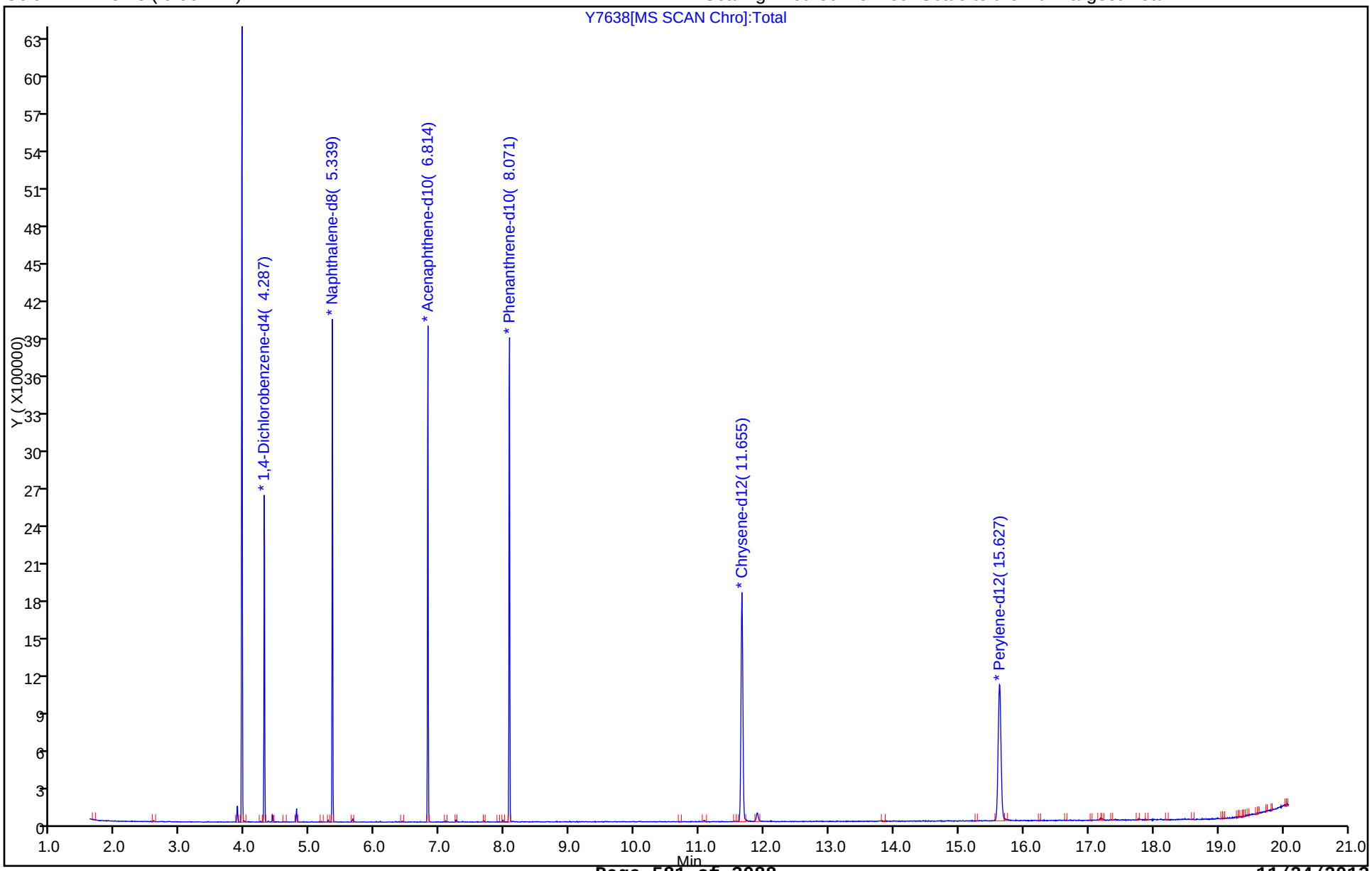
Report Date: 21-Nov-2013 08:22:07 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7638.D

Injection Date:	20-Nov-2013 12:47:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	CCV BZHDA	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D
Lims ID: DFTPP Client ID:
Inject. Date: 18-Sep-2013 14:30:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 1
Lims Batch ID: 192224 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 19-Sep-2013 12:56:11 Calib Date: 19-Sep-2013 00:25:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6543.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: hoffmanm Date: 18-Sep-2013 14:53:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
36 Pentachlorophenol_T	266	3.810	3.814	-0.004	81	226147	0	
38 DFTPP								
53 Benzidine_T	184	4.925	4.962	-0.037	96	1304120	0	
57 4,4'-DDE	246		5.083					9
68 4,4'-DDD	235	5.336	5.397	-0.061	69	5284	0	
72 4,4'-DDT	235	5.548	5.614	-0.066	96	584196	0	

QC Flag Legend

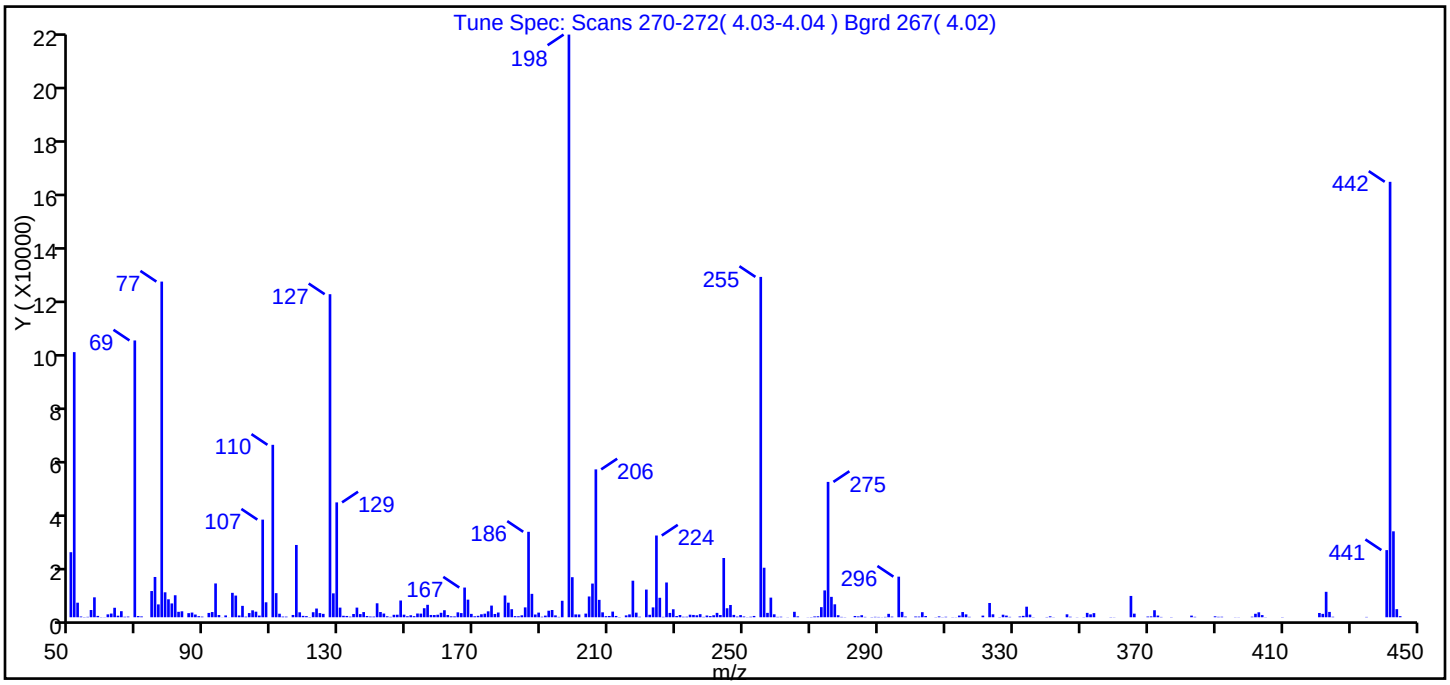
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D		
Injection Date:	18-Sep-2013 14:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

38 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	47.51
70	Less than 2.00% of mass 69	0.21 (0.43)
127	40.00 - 60.00% of mass 198	55.44
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 30.00% of mass 198	23.23
365	Greater than 1.00% of mass 198	3.66
441	Present, but less than mass 443%	11.52 (78.13)
442	Greater than 40.00% of mass 198	74.73
443	17.00 - 23.00% of mass 442	14.75 (19.74)

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D\SMSY_8270C.rslt\spectra.d
Injection Date: 18-Sep-2013 14:30:30
Spectrum: Tune Spec: Scans 270-272(4.03-4.04) Bgrd 267(4.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	24064	133.00	225	211.00	2092	297.00	1978
51.00	98080	134.00	1208	212.00	480	298.00	267
52.00	5387	135.00	3568	213.00	85	301.00	275
53.00	276	136.00	1179	215.00	686	302.00	252
54.00	88	137.00	1917	216.00	1051	303.00	1878
55.00	153	138.00	454	217.00	13523	304.00	444
56.00	2678	139.00	263	218.00	1701	307.00	72
57.00	7374	140.00	257	219.00	196	308.00	312
58.00	502	141.00	5169	221.00	10240	309.00	68
59.00	76	142.00	1932	222.00	914	310.00	182
60.00	61	143.00	1371	223.00	3648	312.00	67
61.00	1072	144.00	361	224.00	30240	313.00	53
62.00	1372	145.00	155	225.00	7209	314.00	621
63.00	3508	146.00	913	226.00	152	315.00	1927
64.00	575	147.00	941	227.00	12861	316.00	1074
65.00	2246	148.00	6194	228.00	1603	317.00	161
66.00	186	149.00	953	229.00	2963	321.00	608
67.00	258	150.00	377	230.00	450	323.00	5278
69.00	102400	151.00	742	231.00	831	324.00	1092
70.00	444	152.00	403	232.00	185	326.00	84
71.00	303	153.00	1387	233.00	206	327.00	944
74.00	9701	154.00	1350	234.00	944	328.00	614
75.00	14901	155.00	3344	235.00	857	329.00	146
76.00	4758	156.00	4605	236.00	729	332.00	294
77.00	124176	157.00	846	237.00	1146	333.00	518
78.00	9232	158.00	819	238.00	138	334.00	3909
79.00	6647	159.00	934	239.00	644	335.00	980
80.00	5115	160.00	1649	240.00	438	336.00	78
81.00	8139	161.00	2600	241.00	739	340.00	102
82.00	2020	162.00	832	242.00	1620	341.00	341
83.00	2205	163.00	349	243.00	826	342.00	61
85.00	1521	164.00	313	244.00	21920	346.00	1090
86.00	1739	165.00	1819	245.00	3335	347.00	188

Report Date: 19-Sep-2013 12:56:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D\SMSY_8270C.rslt\spectra.d
Injection Date: 18-Sep-2013 14:30:30
Spectrum: Tune Spec: Scans 270-272(4.03-4.04) Bgrd 267(4.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 297

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1010	166.00	1542	246.00	4539	349.00	58
88.00	401	167.00	10987	247.00	871	351.00	75
89.00	239	168.00	6513	248.00	256	352.00	1622
91.00	1601	169.00	1250	249.00	806	353.00	1079
92.00	1929	170.00	351	250.00	280	354.00	1524
93.00	12507	171.00	541	251.00	60	359.00	81
94.00	818	172.00	1104	252.00	195	360.00	57
95.00	37	173.00	1317	253.00	482	365.00	7885
96.00	673	174.00	2193	255.00	125912	366.00	1332
97.00	27	175.00	4316	256.00	18320	370.00	267
98.00	9035	176.00	1219	257.00	1621	371.00	313
99.00	8020	177.00	1751	258.00	7267	372.00	2599
100.00	659	179.00	8053	259.00	1096	373.00	627
101.00	4216	180.00	5395	260.00	148	374.00	124
102.00	229	181.00	2978	261.00	197	377.00	81
103.00	1555	182.00	416	263.00	51	383.00	609
104.00	2565	183.00	375	265.00	2020	384.00	162
105.00	2067	184.00	714	266.00	317	390.00	357
106.00	622	185.00	3648	269.00	51	391.00	167
107.00	36120	186.00	31616	270.00	92	392.00	189
108.00	5538	187.00	8659	271.00	294	396.00	55
110.00	63792	188.00	1023	272.00	355	397.00	52
111.00	8919	189.00	1717	273.00	3737	401.00	210
112.00	1306	190.00	199	274.00	9935	402.00	1289
113.00	254	191.00	605	275.00	50072	403.00	1835
114.00	234	192.00	2422	276.00	7545	404.00	798
116.00	845	193.00	2683	277.00	4789	405.00	61
117.00	26744	194.00	689	278.00	756	410.00	82
118.00	1828	195.00	142	279.00	137	421.00	1580
119.00	521	196.00	6097	280.00	68	422.00	1259
120.00	417	198.00	215552	283.00	470	423.00	9411
121.00	93	199.00	14817	284.00	310	424.00	1974
122.00	1865	200.00	1051	285.00	750	425.00	192
123.00	3227	201.00	1032	286.00	141	435.00	125

Report Date: 19-Sep-2013 12:56:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D\SMSY_8270C.rslt\spectra.d
Injection Date: 18-Sep-2013 14:30:30
Spectrum: Tune Spec: Scans 270-272(4.03-4.04) Bgrd 267(4.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 297

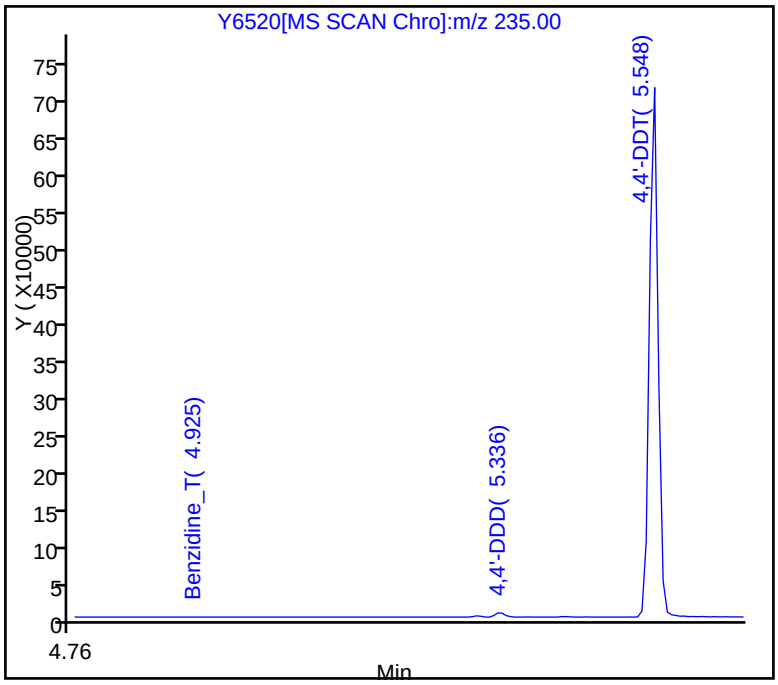
m/z	Y	m/z	Y	m/z	Y	m/z	Y
124.00	1540	203.00	1351	288.00	89	441.00	24840
125.00	1256	204.00	7687	289.00	158	442.00	161088
127.00	119512	205.00	12465	290.00	117	443.00	31792
128.00	8845	206.00	54704	291.00	51	444.00	2998
129.00	42496	207.00	6436	292.00	137	445.00	396
130.00	3568	208.00	1823	293.00	1266		
131.00	546	209.00	401	294.00	233		
132.00	481	210.00	473	296.00	15019		

Breakdown Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D		
Injection Date:	18-Sep-2013 14:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

72 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

72 4,4'-DDT, Area = 584196
68 4,4'-DDD, Area = 5284
57 4,4'-DDE, Area = 0

%Breakdown: 0.90%, Max Limit: 20.00%
Passed

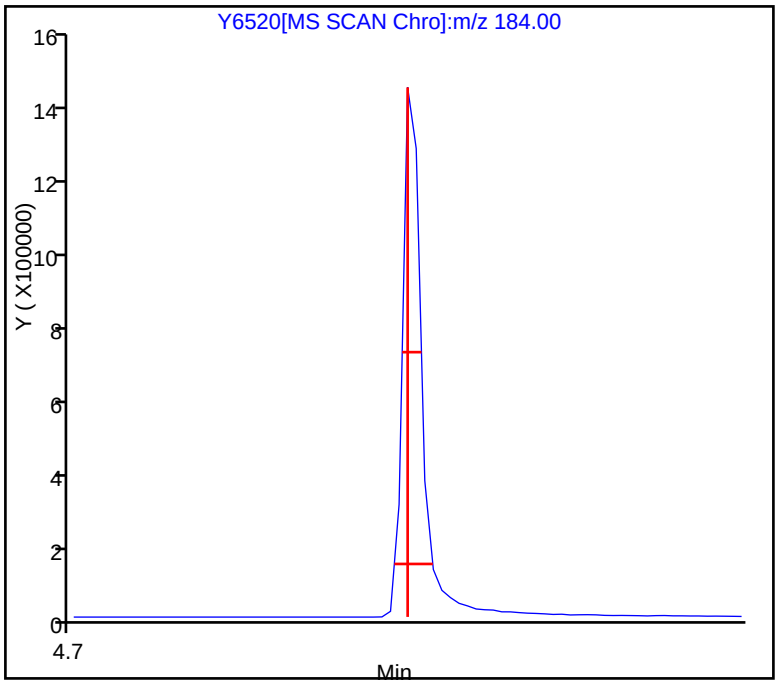
Peak Tailing Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D

Injection Date:	18-Sep-2013 14:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

53 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.9, Max. Tailing < 3.00
Passed

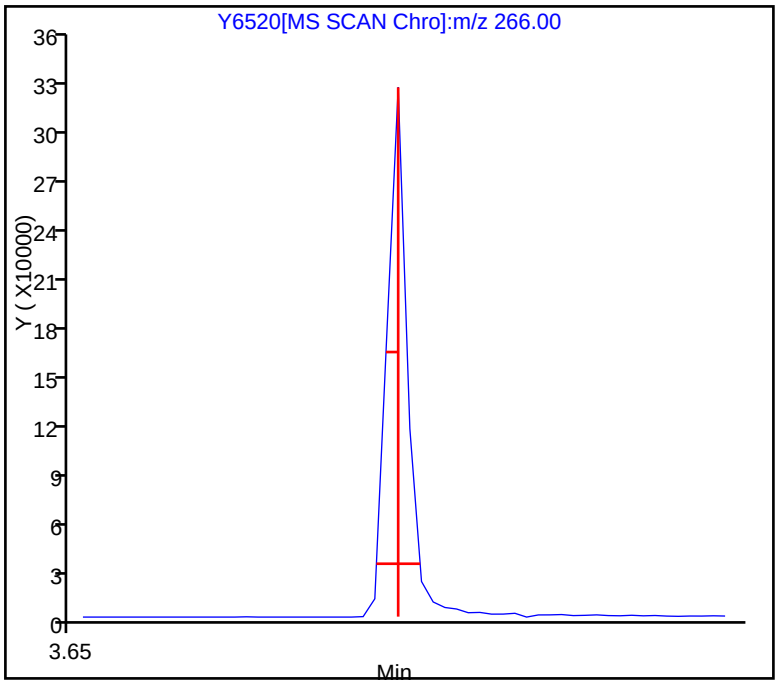
Peak Tailing Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130918-15441.b\Y6520.D

Injection Date:	18-Sep-2013 14:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192224	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

36 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D
Lims ID: DFTPP Client ID:
Inject. Date: 19-Sep-2013 09:12:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 1
Lims Batch ID: 192194 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 20-Sep-2013 13:49:22 Calib Date: 19-Sep-2013 12:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6554.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK013

First Level Reviewer: kellisonm Date: 19-Sep-2013 09:46:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
36 Pentachlorophenol_T	266	3.813	3.814	-0.001	79	307526	0	
38 DFTPP								
53 Benzidine_T	184	4.950	4.962	-0.012	96	1639283	0	
57 4,4'-DDE	246		5.083					9
68 4,4'-DDD	235	5.373	5.397	-0.024	82	7814	0	
72 4,4'-DDT	235	5.585	5.614	-0.029	95	738746	0	

QC Flag Legend

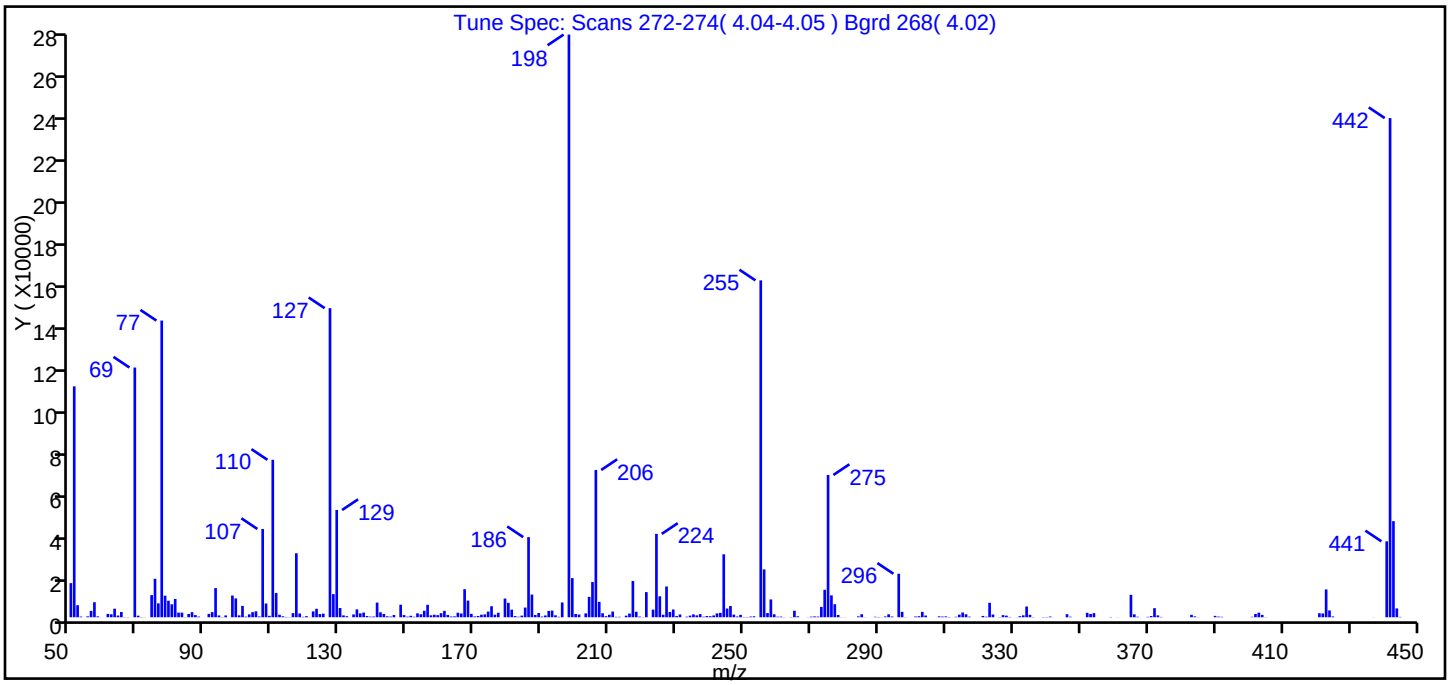
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D		
Injection Date:	19-Sep-2013 09:12:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

38 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.63
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	42.86
70	Less than 2.00% of mass 69	0.27 (0.62)
127	40.00 - 60.00% of mass 198	53.05
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.72
275	10.00 - 30.00% of mass 198	24.42
365	Greater than 1.00% of mass 198	3.85
441	Present, but less than mass 443%	13.04 (79.02)
442	Greater than 40.00% of mass 198	85.67
443	17.00 - 23.00% of mass 442	16.50 (19.26)

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D\SMSY_8270C.rslt\spectra.d
Injection Date: 19-Sep-2013 09:12:30
Spectrum: Tune Spec: Scans 272-274(4.04-4.05) Bgrd 268(4.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	16350	131.00	895	209.00	504	294.00	363
51.00	110632	132.00	514	210.00	1210	296.00	20840
52.00	5781	134.00	1340	211.00	2727	297.00	2585
53.00	323	135.00	3771	212.00	220	298.00	94
55.00	446	136.00	1869	213.00	210	301.00	357
56.00	3043	137.00	2240	215.00	759	302.00	508
57.00	7211	138.00	574	216.00	1762	303.00	2562
58.00	419	139.00	294	217.00	17368	304.00	807
59.00	17	140.00	346	218.00	2628	308.00	439
61.00	1606	141.00	7023	219.00	339	309.00	321
62.00	1418	142.00	2390	220.00	85	310.00	407
63.00	4109	143.00	1591	221.00	12055	311.00	124
64.00	821	144.00	458	223.00	3659	313.00	240
65.00	2521	145.00	326	224.00	39952	314.00	1250
66.00	93	146.00	1067	225.00	10036	315.00	2273
67.00	83	148.00	6019	226.00	1204	316.00	1437
69.00	119640	149.00	1045	227.00	14746	317.00	299
70.00	741	150.00	285	228.00	2537	321.00	636
71.00	111	151.00	700	229.00	3727	322.00	262
72.00	65	152.00	236	230.00	580	323.00	6929
74.00	10621	153.00	1882	231.00	1319	324.00	1320
75.00	18440	154.00	1440	233.00	271	326.00	112
76.00	6665	155.00	3111	234.00	782	327.00	1019
77.00	142144	156.00	5965	235.00	1375	328.00	770
78.00	10328	157.00	921	236.00	904	329.00	157
79.00	7915	158.00	1201	237.00	1514	331.00	57
80.00	6220	159.00	1011	238.00	257	332.00	514
81.00	8773	160.00	1962	239.00	604	333.00	918
82.00	2207	161.00	3063	240.00	499	334.00	5153
83.00	2232	162.00	1118	241.00	861	335.00	1172
84.00	91	163.00	370	242.00	1855	336.00	108
85.00	1564	164.00	429	243.00	2096	339.00	124
86.00	2433	165.00	2177	244.00	30168	340.00	126

Report Date: 20-Sep-2013 13:49:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D\SMSY_8270C.rslt\spectra.d
Injection Date: 19-Sep-2013 09:12:30
Spectrum: Tune Spec: Scans 272-274(4.04-4.05) Bgrd 268(4.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1044	166.00	1808	245.00	4177	341.00	343
88.00	316	167.00	13439	246.00	5390	342.00	48
91.00	1614	168.00	7982	247.00	1259	346.00	1467
92.00	2461	169.00	1639	248.00	365	347.00	265
93.00	13981	170.00	386	249.00	1148	352.00	2139
94.00	856	171.00	638	250.00	129	353.00	1560
95.00	108	172.00	1215	251.00	125	354.00	1970
96.00	873	173.00	1371	252.00	337	359.00	137
98.00	10407	174.00	2726	253.00	456	361.00	54
99.00	9033	175.00	5278	255.00	161408	365.00	10756
100.00	903	176.00	1214	256.00	22928	366.00	1385
101.00	5442	177.00	2137	257.00	2017	367.00	241
102.00	292	179.00	8967	258.00	8536	370.00	199
103.00	1398	180.00	6903	259.00	1413	371.00	587
104.00	2453	181.00	3639	260.00	269	372.00	4364
105.00	2848	182.00	564	261.00	315	373.00	888
106.00	374	183.00	246	262.00	71	374.00	157
107.00	42304	184.00	778	264.00	125	383.00	1160
108.00	6599	185.00	4648	265.00	3123	384.00	409
109.00	676	186.00	38392	266.00	458	385.00	61
110.00	75432	187.00	10869	269.00	69	390.00	666
111.00	11629	188.00	1083	270.00	297	391.00	319
112.00	1212	189.00	2042	271.00	400	392.00	227
113.00	470	190.00	335	272.00	331	401.00	217
114.00	158	191.00	850	273.00	4943	402.00	1578
115.00	93	192.00	3046	274.00	13165	403.00	2197
116.00	1978	193.00	3196	275.00	68176	404.00	1149
117.00	30656	194.00	944	276.00	10488	405.00	83
118.00	1802	195.00	228	277.00	6259	421.00	1934
119.00	207	196.00	7081	278.00	1091	422.00	1812
120.00	534	198.00	279168	279.00	56	423.00	13329
121.00	48	199.00	18752	280.00	64	424.00	3270
122.00	2813	200.00	1565	284.00	421	425.00	398
123.00	4048	201.00	1302	285.00	1440	437.00	55

Report Date: 20-Sep-2013 13:49:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D\SMSY_8270C.rslt\spectra.d
Injection Date: 19-Sep-2013 09:12:30
Spectrum: Tune Spec: Scans 272-274(4.04-4.05) Bgrd 268(4.02)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

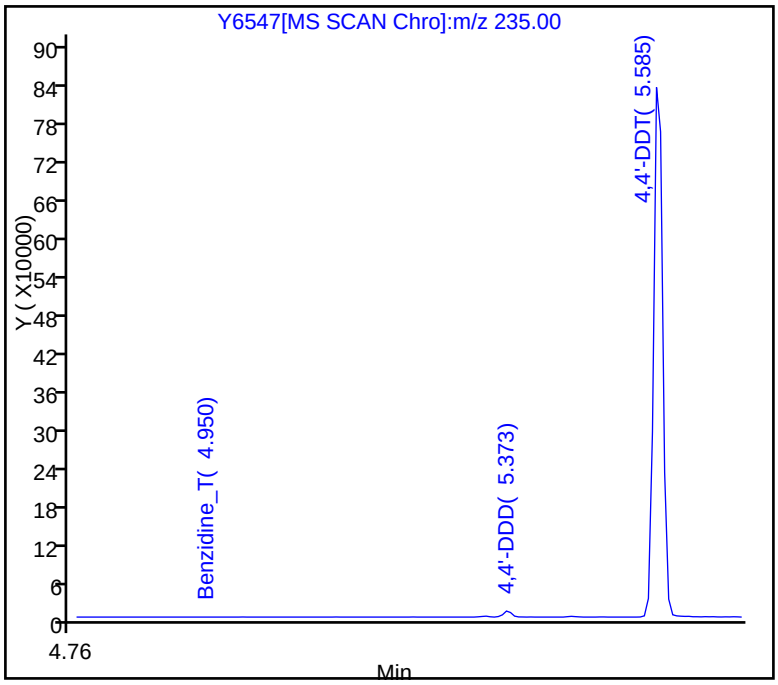
m/z	Y	m/z	Y	m/z	Y	m/z	Y
124.00	1537	203.00	1840	286.00	63	441.00	36392
125.00	1730	204.00	9767	289.00	231	442.00	239168
127.00	148096	205.00	16872	290.00	145	443.00	46056
128.00	11086	206.00	70568	291.00	51	444.00	4229
129.00	51384	207.00	7393	292.00	373	445.00	168
130.00	4423	208.00	1919	293.00	1416		

Breakdown Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D		
Injection Date:	19-Sep-2013 09:12:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

72 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

72 4,4'-DDT, Area = 738746
68 4,4'-DDD, Area = 7814
57 4,4'-DDE, Area = 0

%Breakdown: 1.05%, Max Limit: 20.00%
Passed

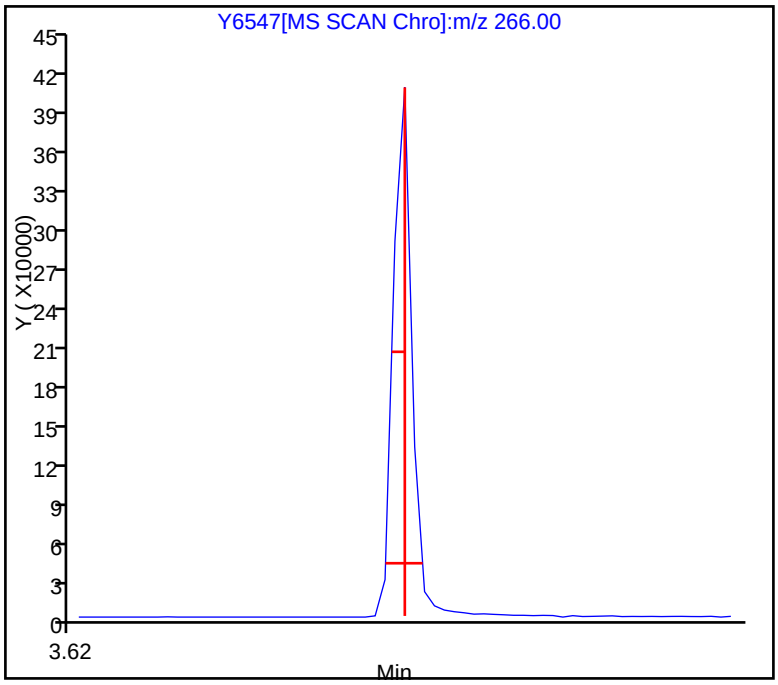
Peak Tailing Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D

Injection Date:	19-Sep-2013 09:12:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

36 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

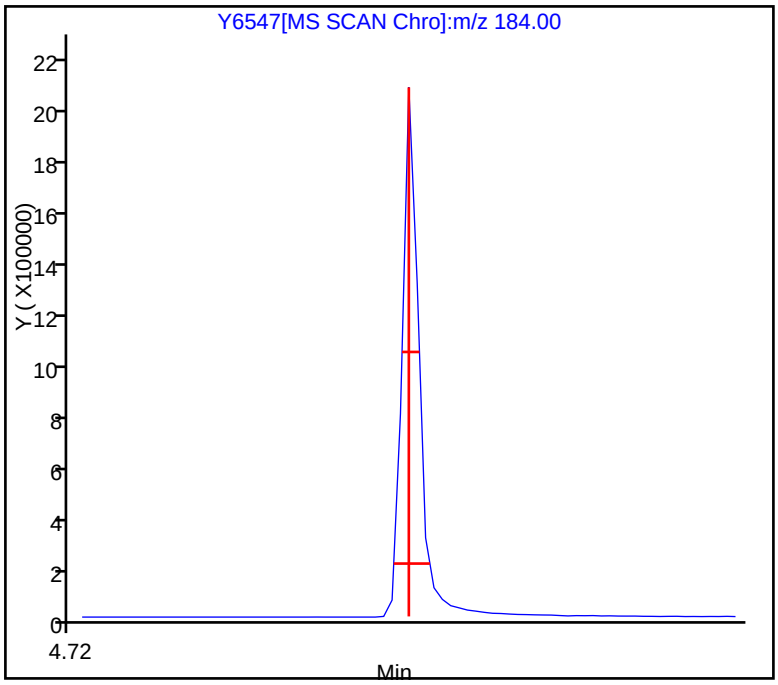
Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

Peak Tailing Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20130919-15481.b\Y6547.D		
Injection Date:	19-Sep-2013 09:12:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	192194	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

53 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.4, Max. Tailing < 3.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D
Lims ID: DFTPP Client ID:
Inject. Date: 07-Oct-2013 11:53:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.:
Operator: hoffmanm Instrument ID: SMS_Y
Injection Vol: 0.5 ul ALS Bottle#: 1
Lims Batch ID: 194745 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\SMSY_8270C.m
Method Label: 8270C / 625
Last Update: 10-Oct-2013 08:49:24 Calib Date: 07-Oct-2013 15:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6824.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK040

First Level Reviewer: hoffmanm Date: 07-Oct-2013 12:01:53

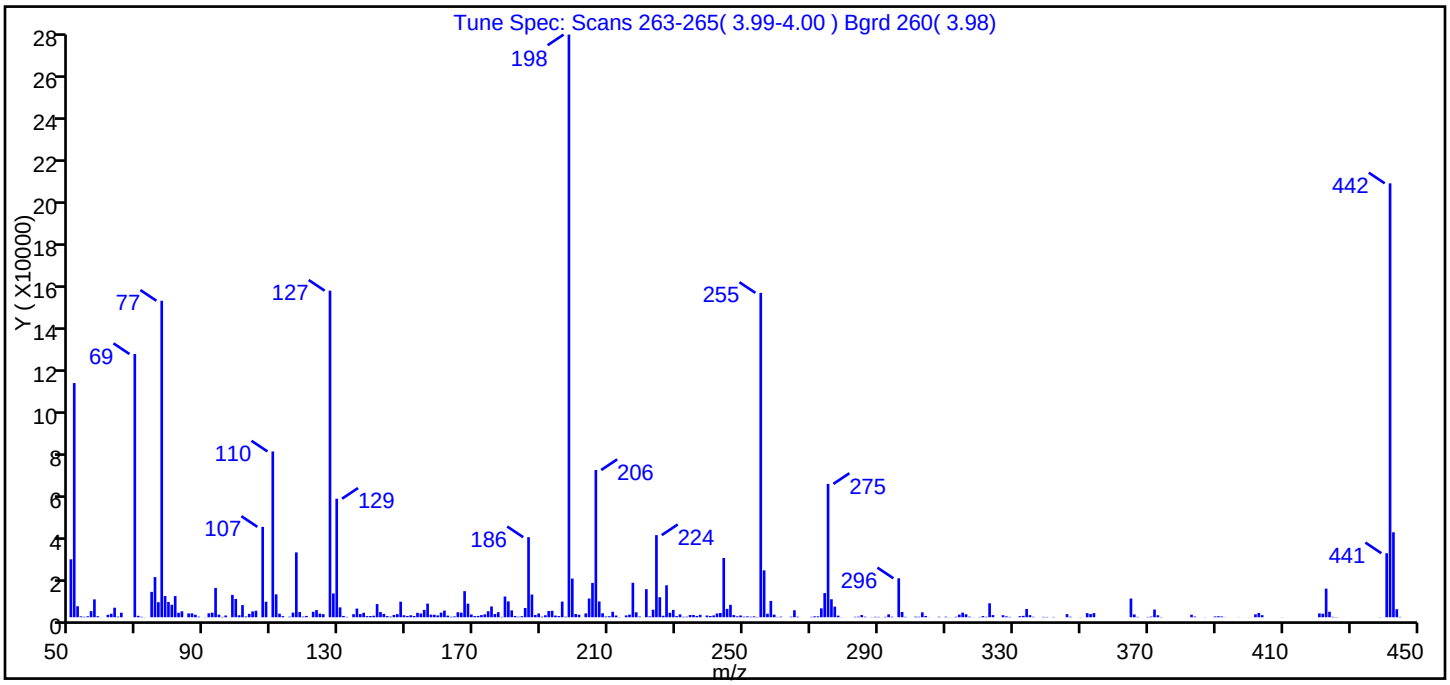
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
36 Pentachlorophenol_T	266	3.770	3.768	0.002	78	265010	0	
38 DFTPP								
53 Benzidine_T	184	4.873	4.860	0.013	96	1733047	0	
57 4,4'-DDE	246	4.982	4.969	0.013	39	1394	0	
68 4,4'-DDD	235	5.245	5.254	-0.009	58	2995	0	
72 4,4'-DDT	235	5.473	5.449	0.024	95	735423	0	

MS Tune Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D		
Injection Date:	07-Oct-2013 11:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

38 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.19
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	45.18
70	Less than 2.00% of mass 69	0.25 (0.55)
127	40.00 - 60.00% of mass 198	56.05
197	Less than 1.00% of mass 198	0.09
199	5.00 - 9.00% of mass 198	6.64
275	10.00 - 30.00% of mass 198	22.89
365	Greater than 1.00% of mass 198	3.21
441	Present, but less than mass 443%	10.99 (75.34)
442	Greater than 40.00% of mass 198	74.47
443	17.00 - 23.00% of mass 442	14.58 (19.58)

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D\SMSY_8270C.rslt\spectra.d
Injection Date: 07-Oct-2013 11:53:30
Spectrum: Tune Spec: Scans 263-265(3.99-4.00) Bgrd 260(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	26888	136.00	1482	210.00	468	296.00	18072
51.00	108632	137.00	2093	211.00	2529	297.00	2457
52.00	5119	138.00	532	212.00	801	298.00	198
53.00	404	139.00	567	213.00	93	301.00	288
54.00	210	140.00	715	215.00	840	302.00	216
55.00	448	141.00	6112	216.00	1215	303.00	2285
56.00	2838	142.00	2409	217.00	15994	304.00	607
57.00	8296	143.00	1564	218.00	2298	305.00	51
58.00	489	144.00	548	219.00	322	308.00	227
59.00	43	145.00	287	221.00	13047	310.00	255
61.00	1127	146.00	1069	222.00	389	311.00	67
62.00	1625	147.00	1436	223.00	3491	313.00	242
63.00	4430	148.00	7232	224.00	38104	314.00	1221
64.00	293	149.00	925	225.00	9313	315.00	2152
65.00	2081	150.00	604	226.00	685	316.00	1395
69.00	122104	151.00	933	227.00	14825	317.00	272
70.00	672	152.00	587	228.00	2078	318.00	62
71.00	218	153.00	2068	229.00	3429	320.00	124
72.00	62	154.00	1750	230.00	528	321.00	551
74.00	11786	155.00	3413	231.00	1341	322.00	205
75.00	18648	156.00	6327	232.00	230	323.00	6474
76.00	6978	157.00	1211	233.00	268	324.00	1005
77.00	146816	158.00	1158	234.00	1050	327.00	965
78.00	9854	159.00	850	235.00	1060	328.00	415
79.00	7118	160.00	2127	236.00	604	329.00	182
80.00	5789	161.00	3096	237.00	1135	332.00	495
81.00	9821	162.00	757	239.00	823	333.00	650
82.00	2075	163.00	240	240.00	606	334.00	3831
83.00	2781	164.00	396	241.00	847	335.00	964
85.00	1796	165.00	2337	242.00	1763	336.00	215
86.00	1817	166.00	2122	243.00	1984	339.00	192
87.00	1159	167.00	12105	244.00	27504	340.00	160
88.00	274	168.00	6307	245.00	3885	342.00	147

Report Date: 10-Oct-2013 08:49:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D\SMSY_8270C.rslt\spectra.d
Injection Date: 07-Oct-2013 11:53:30
Spectrum: Tune Spec: Scans 263-265(3.99-4.00) Bgrd 260(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
90.00	80	169.00	1279	246.00	5767	346.00	1469
91.00	1849	170.00	531	247.00	1010	347.00	241
92.00	2101	171.00	632	248.00	437	350.00	90
93.00	13600	172.00	1013	249.00	829	352.00	1918
94.00	1201	173.00	1348	250.00	279	353.00	1478
95.00	165	174.00	2795	251.00	416	354.00	1942
96.00	811	175.00	5012	252.00	240	365.00	8686
98.00	10366	176.00	1506	253.00	415	366.00	1293
99.00	8471	177.00	2355	254.00	139	367.00	182
100.00	911	178.00	169	255.00	150464	370.00	169
101.00	5641	179.00	9603	256.00	21760	371.00	309
102.00	354	180.00	7374	257.00	1629	372.00	3585
103.00	1553	181.00	3188	258.00	7584	373.00	919
104.00	2710	182.00	609	259.00	1221	374.00	122
105.00	3031	183.00	249	260.00	141	383.00	1161
106.00	5	184.00	492	261.00	279	384.00	319
107.00	41936	185.00	4302	264.00	264	387.00	70
108.00	7202	186.00	37136	265.00	3244	390.00	378
110.00	76912	187.00	10539	266.00	260	391.00	483
111.00	10625	188.00	1023	270.00	184	392.00	356
112.00	1648	189.00	1767	271.00	436	393.00	58
113.00	523	190.00	296	272.00	430	397.00	55
115.00	267	191.00	914	273.00	4136	400.00	52
116.00	2150	192.00	2895	274.00	11213	402.00	1352
117.00	30096	193.00	3014	275.00	61856	403.00	1986
118.00	2421	194.00	785	276.00	8356	404.00	960
119.00	306	195.00	548	277.00	4929	410.00	64
120.00	641	196.00	7273	278.00	746	421.00	1792
122.00	2537	197.00	238	279.00	71	422.00	1661
123.00	3330	198.00	270272	283.00	214	423.00	13271
124.00	1694	199.00	17936	284.00	269	424.00	2551
125.00	1436	200.00	1481	285.00	1022	425.00	194
127.00	151488	201.00	1166	286.00	256	426.00	112
128.00	11034	203.00	1778	288.00	82	439.00	71

Report Date: 10-Oct-2013 08:49:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D\SMSY_8270C.rslt\spectra.d
Injection Date: 07-Oct-2013 11:53:30
Spectrum: Tune Spec: Scans 263-265(3.99-4.00) Bgrd 260(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 291

m/z	Y	m/z	Y	m/z	Y	m/z	Y
129.00	54992	204.00	8686	289.00	217	441.00	29696
130.00	4584	205.00	15940	290.00	177	442.00	201280
131.00	631	206.00	68296	291.00	53	443.00	39416
132.00	185	207.00	7325	292.00	198	444.00	3733
134.00	1423	208.00	1842	293.00	1367	445.00	165
135.00	4030	209.00	360	294.00	262		

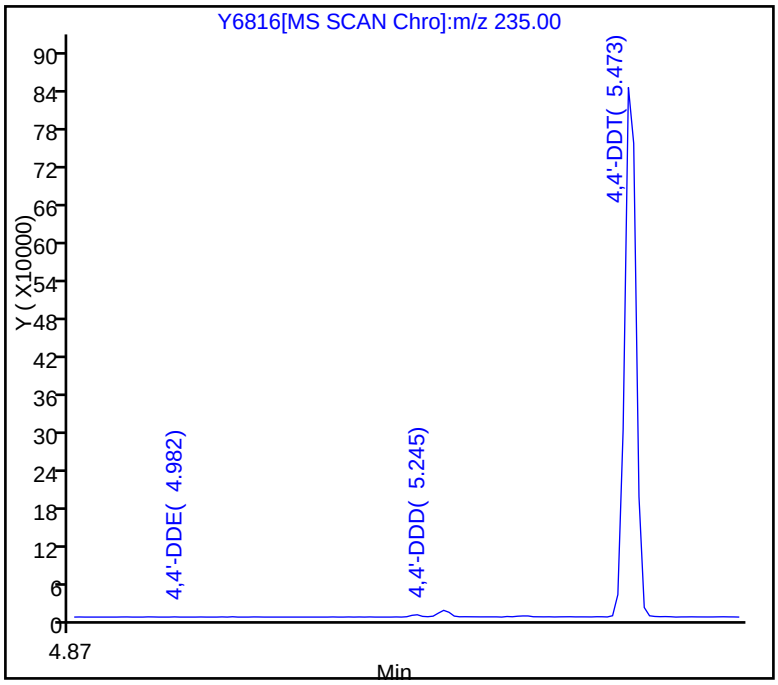
Breakdown Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D

Injection Date:	07-Oct-2013 11:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

72 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

72 4,4'-DDT, Area = 735423
68 4,4'-DDD, Area = 2995
57 4,4'-DDE, Area = 1394

%Breakdown: 0.59%, Max Limit: 20.00%
Passed

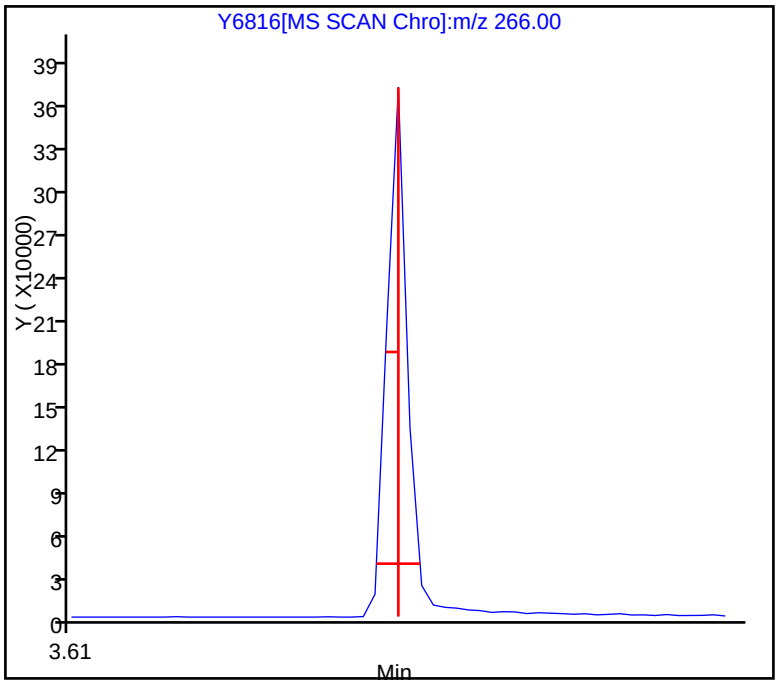
Peak Tailing Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D

Injection Date:	07-Oct-2013 11:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

36 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

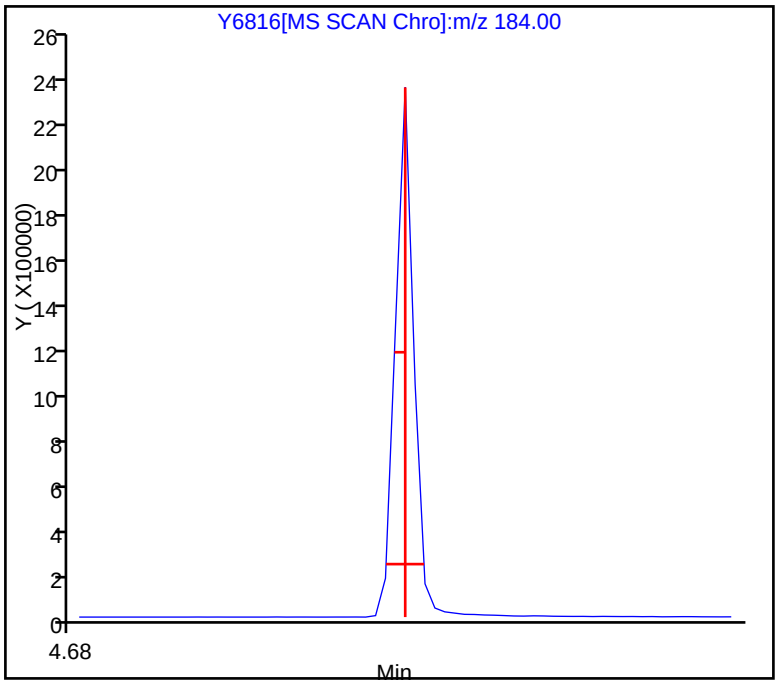
Peak Tailing Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131007-16055.b\Y6816.D

Injection Date:	07-Oct-2013 11:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_Y
Lims Batch ID:	194745	Lims Sample ID:	1
Operator ID:	hoffmanm	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

53 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Sample Type: DFTPP
Inject. Date: 14-Nov-2013 13:00:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:50 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 14-Nov-2013 15:11:27

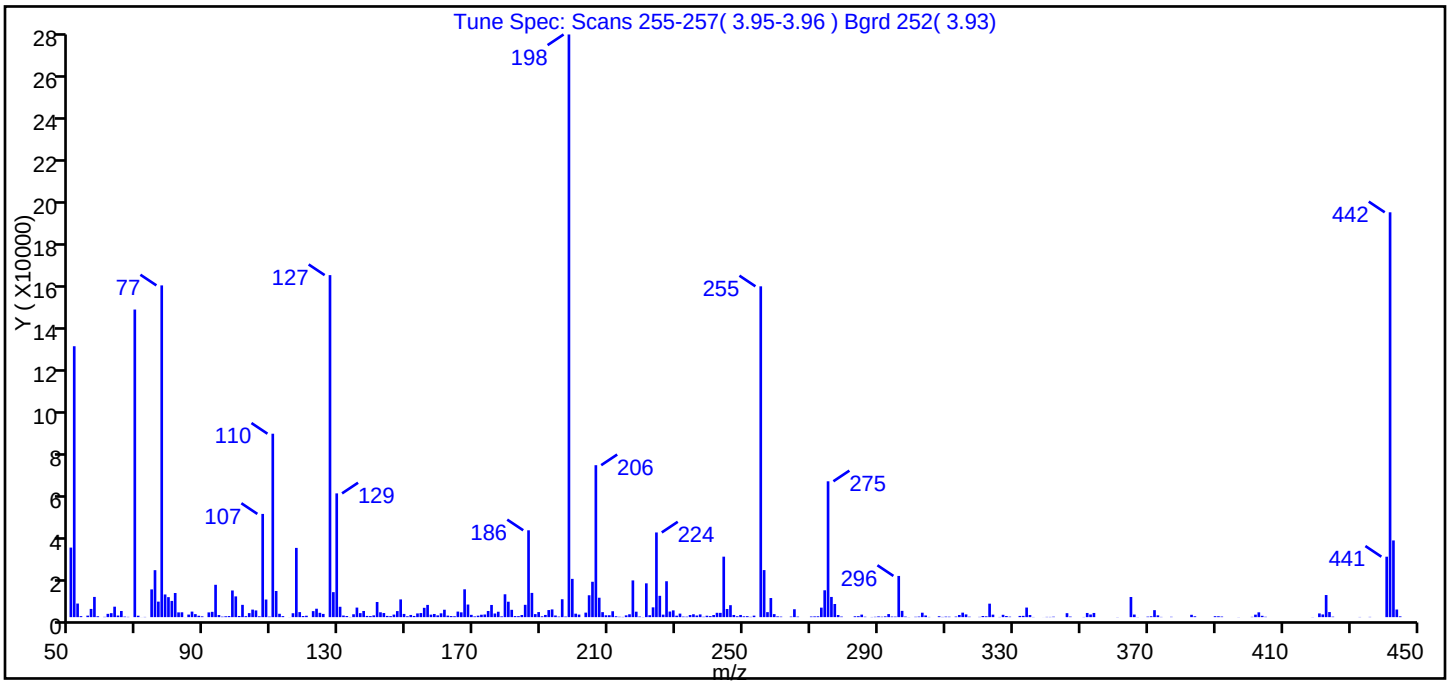
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
36 Pentachlorophenol_T	266	3.722	3.722	0.0	81	312834	0	
53 Benzidine_T	184	4.820	4.820	0.0	96	1829679	0	
38 DFTPP								
57 4,4'-DDE	246	4.923	4.923	0.0	49	1597	0	
68 4,4'-DDD	235	5.203	5.203	0.0	74	11909	0	
72 4,4'-DDT	235	5.403	5.403	0.0	96	813325	0	

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D
Injection Date: 14-Nov-2013 13:00:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625
Tune Method: DFTPP Method 8270

38 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	52.80
70	Less than 2.00% of mass 69	0.20 (0.50)
127	40.00 - 60.00% of mass 198	58.70
197	Less than 1.00% of mass 198	0.10
199	5.00 - 9.00% of mass 198	6.60
275	10.00 - 30.00% of mass 198	23.30
365	Greater than 1.00% of mass 198	3.50
441	Present, but less than mass 443%	10.40 (78.80)
442	Greater than 40.00% of mass 198	69.50
443	17.00 - 23.00% of mass 442	13.20 (18.90)

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D\SMSY_8270C.rslt\spectra.d
Injection Date: 14-Nov-2013 13:00:30
Spectrum: Tune Spec: Scans 255-257(3.95-3.96) Bgrd 252(3.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	33376	134.00	1382	211.00	2828	297.00	3010
51.00	129976	135.00	4585	212.00	418	298.00	273
52.00	6526	136.00	1929	213.00	179	299.00	57
53.00	480	137.00	2964	214.00	111	301.00	173
55.00	722	138.00	591	215.00	848	302.00	278
56.00	3950	139.00	505	216.00	1373	303.00	2131
57.00	9699	140.00	849	217.00	17624	304.00	796
58.00	423	141.00	7269	218.00	2617	305.00	109
60.00	144	142.00	2330	219.00	291	308.00	431
61.00	1584	143.00	1974	220.00	57	309.00	113
62.00	1911	144.00	591	221.00	16219	310.00	255
63.00	5021	145.00	478	222.00	910	311.00	211
64.00	767	146.00	1223	223.00	4700	313.00	281
65.00	2959	147.00	2910	224.00	40632	314.00	1036
66.00	252	148.00	8508	225.00	10227	315.00	2159
67.00	129	149.00	1543	226.00	1199	316.00	1313
69.00	147584	150.00	417	227.00	17224	317.00	219
70.00	684	151.00	1051	228.00	2686	320.00	130
71.00	25	152.00	570	229.00	3248	321.00	540
72.00	104	153.00	1787	230.00	700	322.00	392
74.00	13320	154.00	1951	231.00	1698	323.00	6469
75.00	22536	155.00	4475	232.00	265	324.00	1202
76.00	7443	156.00	5866	233.00	230	326.00	95
77.00	159168	157.00	1203	234.00	1019	327.00	1128
78.00	10886	158.00	1518	235.00	1385	328.00	529
79.00	9597	159.00	839	236.00	781	329.00	227
80.00	7785	160.00	1841	237.00	1307	332.00	577
81.00	11584	161.00	3557	238.00	179	333.00	619
82.00	2281	162.00	736	239.00	683	334.00	4596
83.00	2330	163.00	527	240.00	492	335.00	1031
84.00	27	164.00	426	241.00	1012	336.00	86
85.00	1228	165.00	2668	242.00	2083	339.00	16
86.00	2661	166.00	2306	243.00	2051	340.00	122

Report Date: 17-Nov-2013 12:32:51 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D\SMSY_8270C.rslt\spectra.d
Injection Date: 14-Nov-2013 13:00:30
Spectrum: Tune Spec: Scans 255-257(3.95-3.96) Bgrd 252(3.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1454	167.00	13359	244.00	29016	341.00	110
88.00	659	168.00	6047	245.00	3910	342.00	213
89.00	377	169.00	1097	246.00	5742	346.00	1907
91.00	2272	170.00	350	247.00	1040	347.00	262
92.00	2550	171.00	708	248.00	420	351.00	85
93.00	15521	172.00	1156	249.00	1049	352.00	2003
94.00	1000	173.00	1271	250.00	388	353.00	1270
95.00	243	174.00	2953	251.00	469	354.00	2007
96.00	413	175.00	5844	252.00	140	361.00	63
97.00	519	176.00	1741	253.00	721	365.00	9667
98.00	12792	177.00	2597	255.00	158720	366.00	1244
99.00	9958	178.00	368	256.00	22576	367.00	59
100.00	559	179.00	10972	257.00	2400	370.00	246
101.00	5898	180.00	7401	258.00	9169	371.00	404
102.00	466	181.00	3516	259.00	1457	372.00	3353
103.00	1936	182.00	507	260.00	373	373.00	851
104.00	3612	183.00	476	261.00	248	374.00	113
105.00	3224	184.00	1008	264.00	264	377.00	162
106.00	397	185.00	5914	265.00	3791	383.00	1127
107.00	49528	186.00	41672	266.00	254	384.00	407
108.00	8450	187.00	11630	270.00	304	390.00	457
109.00	259	188.00	1460	271.00	353	391.00	427
110.00	88008	189.00	2427	272.00	404	392.00	284
111.00	12542	190.00	404	273.00	4563	397.00	50
112.00	1615	191.00	1052	274.00	12889	401.00	139
113.00	495	192.00	3400	275.00	65176	402.00	1188
115.00	33	193.00	3710	276.00	9691	403.00	2311
116.00	1870	194.00	786	277.00	6308	404.00	634
117.00	33224	195.00	259	278.00	1015	405.00	174
118.00	2414	196.00	8588	279.00	271	419.00	55
119.00	542	197.00	279	283.00	415	421.00	1777
120.00	680	198.00	279552	284.00	462	422.00	1309
122.00	2887	199.00	18360	285.00	1213	423.00	10607
123.00	4040	200.00	1657	286.00	202	424.00	2443

Report Date: 17-Nov-2013 12:32:51 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D\SMSY_8270C.rslt\spectra.d
Injection Date: 14-Nov-2013 13:00:30
Spectrum: Tune Spec: Scans 255-257(3.95-3.96) Bgrd 252(3.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

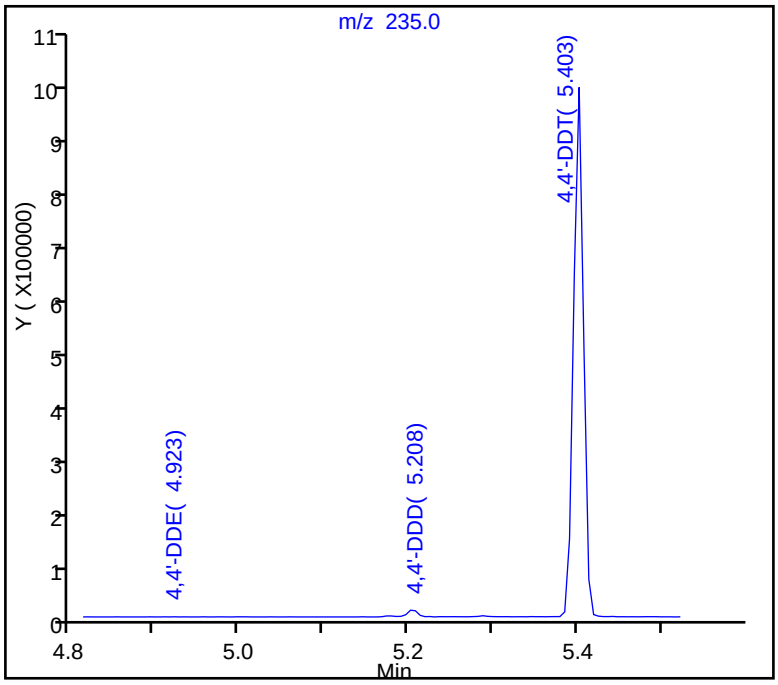
m/z	Y	m/z	Y	m/z	Y	m/z	Y
124.00	2075	201.00	1219	288.00	87	425.00	239
125.00	1550	203.00	2166	289.00	166	433.00	89
127.00	164096	204.00	10495	290.00	351	436.00	120
128.00	11993	205.00	16976	291.00	204	441.00	29000
129.00	59376	206.00	72904	292.00	376	442.00	194240
130.00	4973	207.00	9313	293.00	1474	443.00	36800
131.00	762	208.00	2400	294.00	279	444.00	3659
132.00	532	209.00	891	295.00	246	445.00	363
133.00	90	210.00	912	296.00	19768		

Breakdown Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D
Injection Date: 14-Nov-2013 13:00:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625

72 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

72 4,4'-DDT, Area = 813325
68 4,4'-DDD, Area = 11909
57 4,4'-DDE, Area = 1597

%Breakdown: 1.63%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Denver

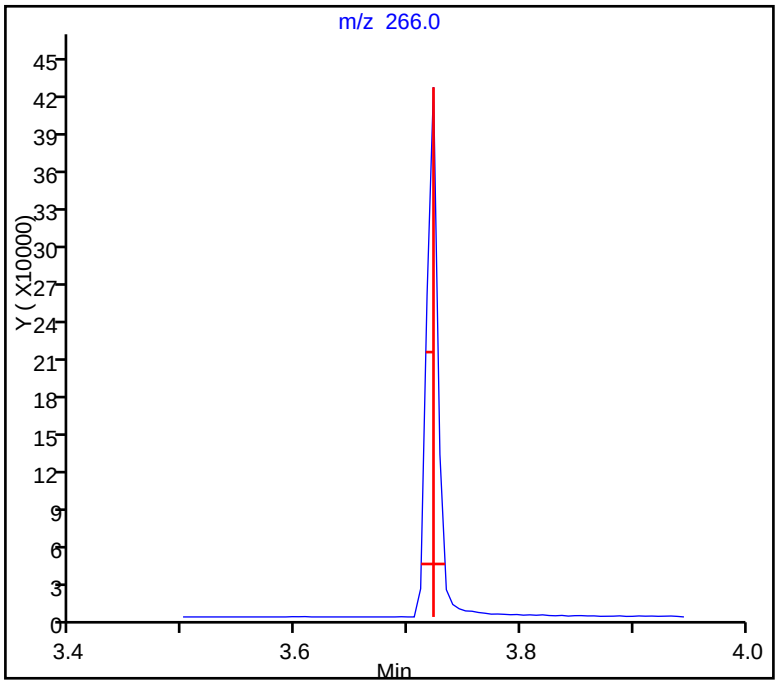
Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D
Injection Date: 14-Nov-2013 13:00:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625

36 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed



Peak Tailing Report

TestAmerica Denver

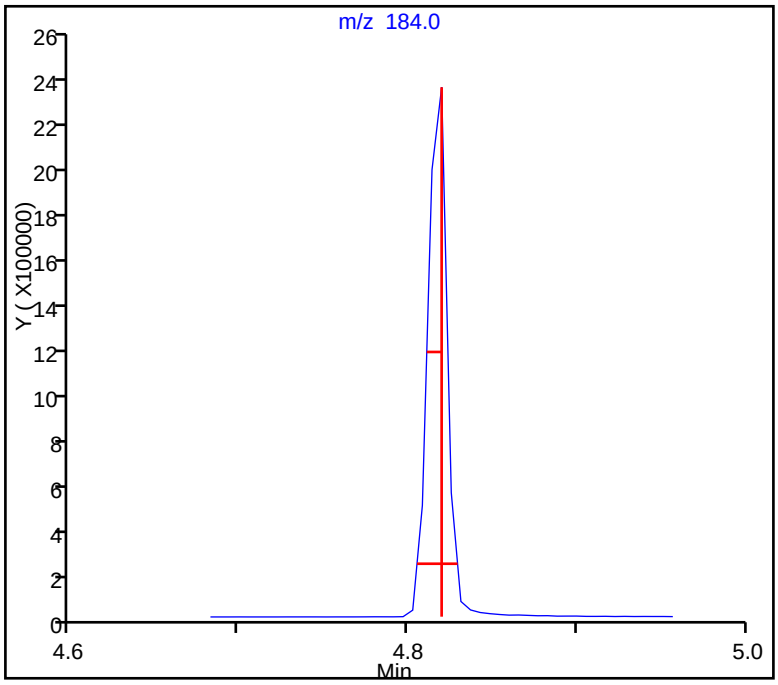
Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7488.D
Injection Date: 14-Nov-2013 13:00:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625

53 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.009 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.6, Max. Tailing < 3.00
Passed



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Sample Type: DFTPP
Inject. Date: 20-Nov-2013 11:40:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:00 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 20-Nov-2013 11:50:00

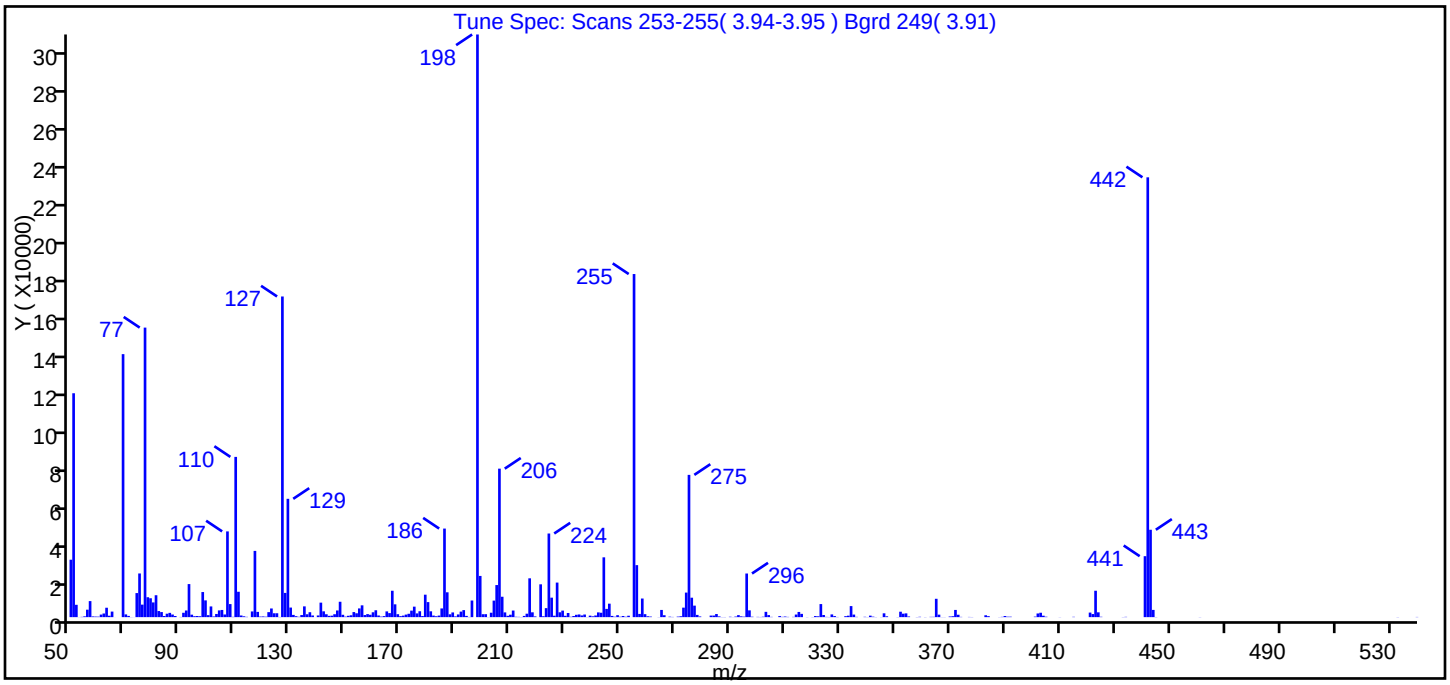
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
36 Pentachlorophenol_T	266	3.708	3.708	0.0	81	297688	0	
53 Benzidine_T	184	4.805	4.805	0.0	96	2032024	0	
38 DFTPP								
57 4,4'-DDE	246		4.905					
68 4,4'-DDD	235	5.199	5.199	0.0	81	12927	0	
72 4,4'-DDT	235	5.399	5.399	0.0	96	864871	0	

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D
Injection Date: 20-Nov-2013 11:40:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625
Tune Method: DFTPP Method 8270

38 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.40
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	45.10
70	Less than 2.00% of mass 69	0.50 (1.00)
127	40.00 - 60.00% of mass 198	55.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.10
275	10.00 - 30.00% of mass 198	24.40
365	Greater than 1.00% of mass 198	3.10
441	Present, but less than mass 443%	10.50 (69.80)
442	Greater than 40.00% of mass 198	75.50
443	17.00 - 23.00% of mass 442	15.00 (19.90)

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D\SMSY_8270C.rslt\spectra.d
Injection Date: 20-Nov-2013 11:40:30
Spectrum: Tune Spec: Scans 253-255(3.94-3.95) Bgrd 249(3.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 322

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	29640	135.00	5560	217.00	20040	311.00	130
51.00	115560	136.00	1486	218.00	2492	313.00	138
52.00	6368	137.00	2542	219.00	371	314.00	1340
53.00	37	138.00	860	221.00	16944	315.00	2683
54.00	145	139.00	14	222.00	451	316.00	1689
55.00	411	140.00	870	223.00	4646	318.00	55
56.00	3849	141.00	7483	224.00	43168	320.00	72
57.00	8278	142.00	3001	225.00	10055	321.00	564
58.00	366	143.00	1490	226.00	732	322.00	438
59.00	295	144.00	670	227.00	17840	323.00	6744
60.00	256	145.00	756	228.00	2508	324.00	1102
61.00	1321	146.00	1502	229.00	3370	325.00	141
62.00	1880	147.00	3449	230.00	695	326.00	86
63.00	4853	148.00	7944	231.00	2141	327.00	1406
64.00	730	149.00	1219	232.00	191	328.00	557
65.00	2873	150.00	255	233.00	579	329.00	101
66.00	19	151.00	701	234.00	1208	332.00	499
69.00	135744	152.00	963	235.00	1381	333.00	744
70.00	1421	153.00	2623	236.00	880	334.00	5703
71.00	640	154.00	1993	237.00	1352	335.00	1322
72.00	61	155.00	4504	238.00	62	336.00	146
73.00	30	156.00	6095	239.00	761	339.00	174
74.00	12418	157.00	1083	240.00	423	340.00	58
75.00	22544	158.00	1567	241.00	851	341.00	770
76.00	6456	159.00	1234	242.00	2446	342.00	251
77.00	149440	160.00	2511	243.00	2267	343.00	63
78.00	10282	161.00	3550	244.00	30872	345.00	56
79.00	9748	162.00	853	245.00	4255	346.00	1976
80.00	7593	163.00	288	246.00	6956	347.00	424
81.00	11310	164.00	535	247.00	632	351.00	68
82.00	3142	165.00	2967	248.00	219	352.00	2804
83.00	2621	166.00	2087	249.00	1008	353.00	1780
84.00	593	167.00	13621	250.00	214	354.00	1949

Report Date: 21-Nov-2013 08:22:01 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D\SMSY_8270C.rslt\spectra.d
Injection Date: 20-Nov-2013 11:40:30
Spectrum: Tune Spec: Scans 253-255(3.94-3.95) Bgrd 249(3.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 322

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	1771	168.00	6616	251.00	594	355.00	345
86.00	2208	169.00	1517	252.00	197	358.00	75
87.00	1345	170.00	521	253.00	730	359.00	181
88.00	585	171.00	787	255.00	177088	361.00	67
90.00	95	172.00	1315	256.00	26840	363.00	152
91.00	2255	173.00	1737	257.00	1660	364.00	170
92.00	3435	174.00	3361	258.00	9611	365.00	9471
93.00	17064	175.00	5417	259.00	1539	366.00	1285
94.00	1276	176.00	1929	260.00	457	367.00	52
95.00	482	177.00	3044	261.00	299	368.00	54
96.00	587	178.00	566	264.00	61	370.00	335
97.00	462	179.00	11592	265.00	3720	371.00	470
98.00	12951	180.00	7761	266.00	982	372.00	3723
99.00	8658	181.00	3012	268.00	235	373.00	1242
100.00	1026	182.00	803	269.00	112	374.00	134
101.00	5528	183.00	465	271.00	273	377.00	109
102.00	353	184.00	804	272.00	451	378.00	77
103.00	1635	185.00	4496	273.00	4904	383.00	961
104.00	3476	186.00	45720	274.00	12673	384.00	507
105.00	3711	187.00	12825	275.00	73432	388.00	59
106.00	1377	188.00	1477	276.00	10036	389.00	150
107.00	44256	189.00	2431	277.00	5936	390.00	582
108.00	6740	190.00	385	278.00	1159	391.00	237
109.00	150	191.00	1389	279.00	351	392.00	238
110.00	82712	192.00	2858	283.00	810	401.00	271
111.00	13099	193.00	3621	284.00	814	402.00	1897
112.00	845	194.00	649	285.00	1605	403.00	2269
113.00	428	195.00	100	286.00	387	404.00	738
114.00	148	196.00	8583	287.00	68	405.00	222
116.00	2943	198.00	300736	288.00	77	410.00	52
117.00	34192	199.00	21272	290.00	207	415.00	166
118.00	2715	200.00	1513	291.00	50	421.00	2354
119.00	293	201.00	1533	292.00	299	422.00	1587
120.00	355	202.00	59	293.00	1043	423.00	13627

Report Date: 21-Nov-2013 08:22:01 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D\SMSY_8270C.rslt\spectra.d
Injection Date: 20-Nov-2013 11:40:30
Spectrum: Tune Spec: Scans 253-255(3.94-3.95) Bgrd 249(3.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 322

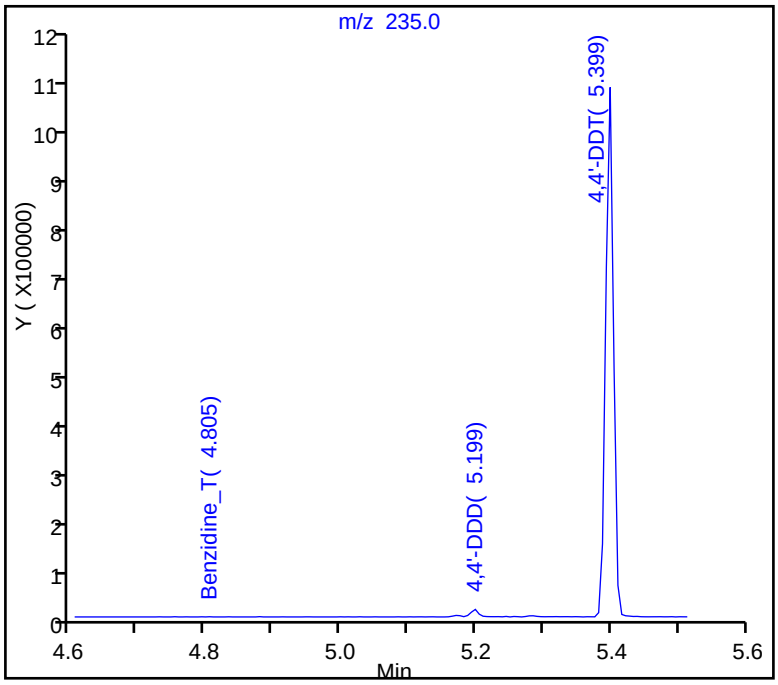
m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	236	203.00	2279	294.00	404	424.00	2483
122.00	2578	204.00	8537	295.00	254	425.00	194
123.00	4477	205.00	16560	296.00	22520	433.00	68
124.00	1999	206.00	76640	297.00	3499	434.00	148
125.00	2006	207.00	10528	298.00	222	441.00	31464
126.00	101	208.00	2452	300.00	137	442.00	227008
127.00	165504	209.00	697	301.00	96	443.00	45104
128.00	12504	210.00	1258	302.00	217	444.00	3735
129.00	61072	211.00	3409	303.00	2731	445.00	78
130.00	4944	212.00	190	304.00	1052	461.00	59
131.00	1162	213.00	142	305.00	140	533.00	63
132.00	486	214.00	77	308.00	550	540.00	103
133.00	180	215.00	626	309.00	159		
134.00	1076	216.00	1775	310.00	314		

Breakdown Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D
Injection Date: 20-Nov-2013 11:40:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625

72 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

72 4,4'-DDT, Area = 864871
68 4,4'-DDD, Area = 12927
57 4,4'-DDE, Area = 0

%Breakdown: 1.47%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Denver

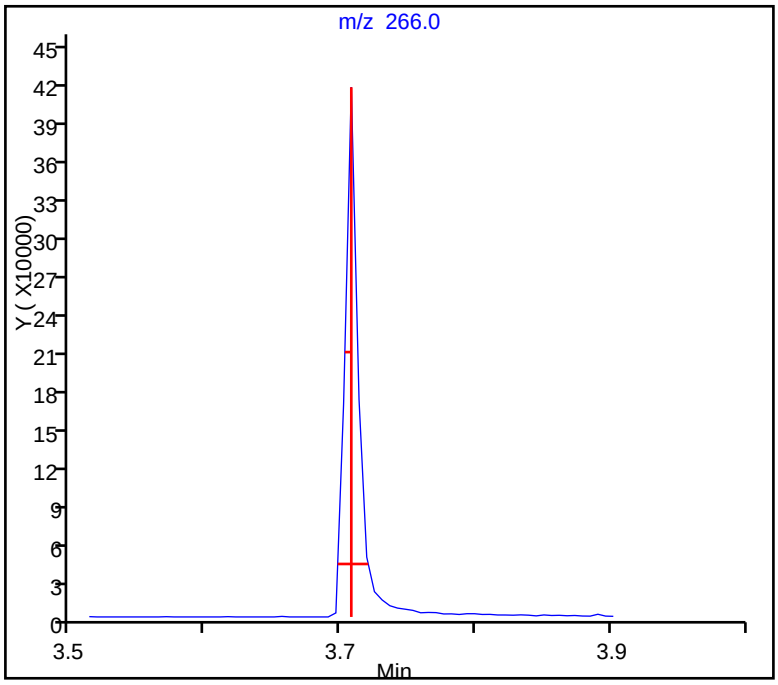
Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D
Injection Date: 20-Nov-2013 11:40:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625

36 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.2, Max. Tailing < 5.00
Passed



Peak Tailing Report

TestAmerica Denver

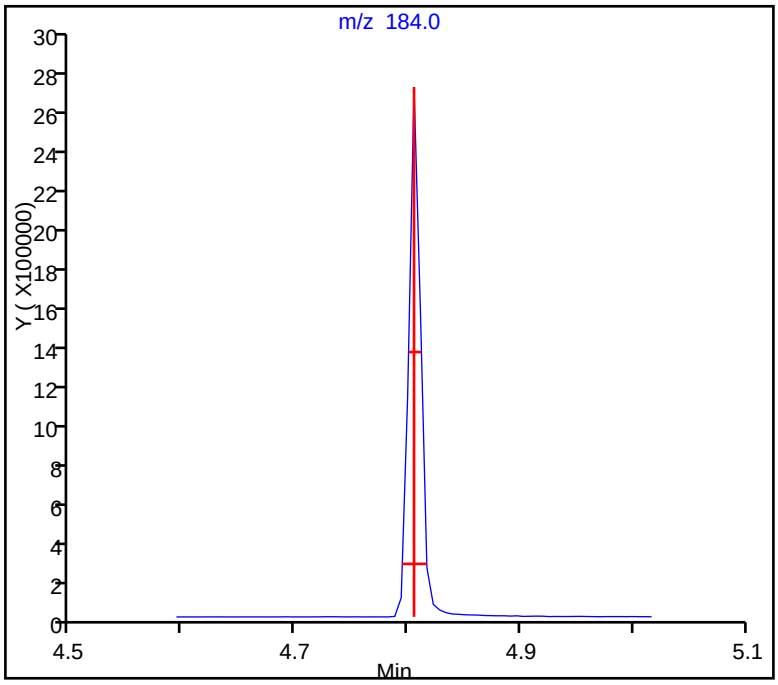
Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7635.D
Injection Date: 20-Nov-2013 11:40:30 Instrument ID: SMS_Y
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSY_8270C Limit Group: MSSV - 8270C_625

53 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.1, Max. Tailing < 3.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-199334/1-A

Matrix: Water | Lab File ID: Y7492.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 14:34

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	2.0	U	10	2.0	1.8
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	10	2.0	1.7
120-82-1	1,2,4-Trichlorobenzene	1.0	U	10	1.0	0.28
95-50-1	1,2-Dichlorobenzene	1.0	U	10	1.0	0.23
122-66-7	1,2-Diphenylhydrazine	1.0	U	10	1.0	0.23
541-73-1	1,3-Dichlorobenzene	1.0	U	10	1.0	0.30
106-46-7	1,4-Dichlorobenzene	1.0	U	10	1.0	0.32
108-60-1	2,2'-oxybis[1-chloropropane]	1.0	U	10	1.0	0.28
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	50	2.0	2.0
95-95-4	2,4,5-Trichlorophenol	1.0	U	20	1.0	0.45
88-06-2	2,4,6-Trichlorophenol	1.0	U	20	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.0	U	10	2.0	0.64
105-67-9	2,4-Dimethylphenol	4.0	U	10	4.0	0.58
51-28-5	2,4-Dinitrophenol	20	U	80	20	10
121-14-2	2,4-Dinitrotoluene	4.0	U	20	4.0	1.7
87-65-0	2,6-Dichlorophenol	4.0	U	10	4.0	1.4
606-20-2	2,6-Dinitrotoluene	4.0	U	20	4.0	1.9
91-58-7	2-Chloronaphthalene	1.0	U	10	1.0	0.26
95-57-8	2-Chlorophenol	4.0	U	10	4.0	2.0
91-57-6	2-Methylnaphthalene	1.0	U	10	1.0	0.29
95-48-7	2-Methylphenol	4.0	U	10	4.0	0.98
88-74-4	2-Nitroaniline	4.0	U	50	4.0	1.7
88-75-5	2-Nitrophenol	1.0	U	20	1.0	0.39
15831-10-4	3 & 4 Methylphenol	1.0	U	20	1.0	0.25
91-94-1	3,3'-Dichlorobenzidine	10	U	50	10	2.0
99-09-2	3-Nitroaniline	2.0	U	50	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	10	U	80	10	4.0
101-55-3	4-Bromophenyl phenyl ether	1.0	U	10	1.0	0.43
59-50-7	4-Chloro-3-methylphenol	5.0	U	20	5.0	2.4
106-47-8	4-Chloroaniline	5.0	U	25	5.0	2.1
7005-72-3	4-Chlorophenyl phenyl ether	4.0	U	10	4.0	1.7
100-01-6	4-Nitroaniline	4.0	U	50	4.0	2.0
100-02-7	4-Nitrophenol	10	U	50	10	1.2
83-32-9	Acenaphthene	1.0	U	10	1.0	0.28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-199334/1-A

Matrix: Water | Lab File ID: Y7492.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 14:34

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	1.0	U	10	1.0	0.49
98-86-2	Acetophenone	5.0	U	10	5.0	0.24
120-12-7	Anthracene	1.0	U	10	1.0	0.42
1912-24-9	Atrazine	10	U	50	10	0.73
100-52-7	Benzaldehyde	2.0	U	10	2.0	2.0
92-87-5	Benzidine	100	U	200	100	50
56-55-3	Benzo[a]anthracene	1.0	U	10	1.0	0.35
50-32-8	Benzo[a]pyrene	1.0	U	10	1.0	0.31
205-99-2	Benzo[b]fluoranthene	1.0	U	10	1.0	0.53
191-24-2	Benzo[g,h,i]perylene	1.0	U	10	1.0	0.50
207-08-9	Benzo[k]fluoranthene	1.0	U	10	1.0	0.46
65-85-0	Benzoic acid	50	U	80	50	10
100-51-6	Benzyl alcohol	1.0	U	25	1.0	0.23
111-91-1	Bis(2-chloroethoxy)methane	4.0	U	10	4.0	0.97
111-44-4	Bis(2-chloroethyl)ether	1.0	U	20	1.0	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	1.0	U	10	1.0	0.56
85-68-7	Butyl benzyl phthalate	4.0	U	20	4.0	1.0
105-60-2	Caprolactam	10	U	35	10	5.0
86-74-8	Carbazole	1.0	U	10	1.0	0.43
218-01-9	Chrysene	1.0	U	10	1.0	0.54
53-70-3	Dibenz(a,h)anthracene	1.0	U	10	1.0	0.51
132-64-9	Dibenzofuran	1.0	U	10	1.0	0.29
84-66-2	Diethyl phthalate	1.0	U	20	1.0	0.38
131-11-3	Dimethyl phthalate	1.0	U	20	1.0	0.21
84-74-2	Di-n-butyl phthalate	4.0	U	20	4.0	1.2
117-84-0	Di-n-octyl phthalate	1.0	U	20	1.0	0.35
206-44-0	Fluoranthene	1.0	U	20	1.0	0.20
86-73-7	Fluorene	1.0	U	10	1.0	0.31
118-74-1	Hexachlorobenzene	1.0	U	10	1.0	0.66
87-68-3	Hexachlorobutadiene	10	U	30	10	3.3
77-47-4	Hexachlorocyclopentadiene	20	U	50	20	10
67-72-1	Hexachloroethane	4.0	U	10	4.0	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	10	1.0	0.65
78-59-1	Isophorone	1.0	U	10	1.0	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-199334/1-A

Matrix: Water | Lab File ID: Y7492.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 14:34

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	1.0	U	10	1.0	0.29
98-95-3	Nitrobenzene	2.0	U	20	2.0	0.81
62-75-9	N-Nitrosodimethylamine	1.0	U	10	1.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	20	1.0	0.35
86-30-6	N-Nitrosodiphenylamine	1.0	U	10	1.0	0.44
930-55-2	N-Nitrosopyrrolidine	4.0	U	10	4.0	0.80
87-86-5	Pentachlorophenol	40	U	80	40	20
85-01-8	Phenanthrene	1.0	U	10	1.0	0.26
108-95-2	Phenol	5.0	U	10	5.0	2.0
129-00-0	Pyrene	1.0	U	10	1.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		40-125
321-60-8	2-Fluorobiphenyl	85		50-110
367-12-4	2-Fluorophenol (Surr)	84		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	92		40-110
4165-62-2	Phenol-d5 (Surr)	89		10-115
1718-51-0	Terphenyl-d14 (Surr)	102		50-135

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7492.D
Lims ID: MB 280-199334/1-A Lab Sample ID: MB 280-199334/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-Nov-2013 14:34:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: mb280-199334_1-a
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:54 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 17-Nov-2013 12:18:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.308	4.308	0.0	97	179530	40.0	
*	2 Naphthalene-d8	136	5.360	5.360	0.0	100	726903	40.0	
*	3 Acenaphthene-d10	164	6.829	6.828	0.001	93	400714	40.0	
*	4 Phenanthrene-d10	188	8.086	8.086	0.0	98	671684	40.0	
*	5 Chrysene-d12	240	11.700	11.693	0.007	97	698012	40.0	
*	6 Perylene-d12	264	15.689	15.689	0.0	97	663395	40.0	
$	7 2-Fluorophenol	112	3.262	3.262	0.0	93	553982	84.0	
$	8 Phenol-d5	99	3.991	3.990	0.001	84	752314	88.7	
$	9 Nitrobenzene-d5	82	4.767	4.766	0.0	89	703542	91.7	
$	10 2,4,6-Trichlorophenol-d2	198		6.225					
$	11 2-Fluorobiphenyl	172	6.241	6.241	0.001	99	1084162	85.1	
$	12 2,4,6-Tribromophenol	330	7.499	7.498	0.001	91	170337	82.7	
$	13 Terphenyl-d14	244	9.725	9.719	0.006	98	1439544	102.0	
	25 Triethyl amine	86		1.954					
	26 2-Ethoxyethanol	59		2.124					
	27 1,4-Dioxane	88		1.934					
	28 N-Nitrosodimethylamine	74		2.186					
	29 Pyridine	79		2.228					
	30 Dimethylformamide	73		2.653					
	31 2-Picoline	93		2.812					
	32 N-Nitrosomethylethylamine	88		2.894					
	33 Acrylamide	71		3.105					
	34 Methyl methanesulfonate	80		3.135					
	35 N-Nitrosodiethylamine	102		3.446					
	36 Pentachlorophenol_T	266		3.722					
	37 Ethyl methanesulfonate	79		3.669					
	39 Benzaldehyde	106		3.967					
	40 Phenol	94		4.002					
	41 Methyl styrene	118		4.360					
	42 Phenylmercaptan	110		4.043					
	43 Aniline	93		4.043					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
44 Alpha Methyl Styrene	118		4.067					
45 Bis(2-chloroethyl)ether	93		4.072					
46 Pentachloroethane	117		4.087					
47 n-Decane	43		4.114					
48 2-Chlorophenol	128		4.143					
49 1,3-Dichlorobenzene	146		4.266					
50 1,4-Dichlorobenzene	146		4.325					
51 Benzyl alcohol	108		4.407					
52 1,2-Dichlorobenzene	146		4.448					
53 Benzidine_T	184		4.820					
54 2-Methylphenol	108		4.484					
55 2,2'-oxybis[1-chloropropane]	45		4.496					
56 Indene	116		4.519					
58 3-Methylphenol	108		4.607					
59 4-Methylphenol	108		4.607					
60 3 & 4 Methylphenol	108		4.607					
61 N-Nitrosodi-n-propylamine	70		4.607					
62 N-Nitrosopyrrolidine	100		4.621					
63 Acetophenone	105		4.625					
64 N-Nitrosomorpholine	116		4.645					
65 2-Toluidine	106		4.662					
66 Hexachloroethane	117		4.725					
67 Nitrobenzene	77		4.778					
69 Triethyl phosphate	99		4.880					
70 N-Nitrosopiperidine	114		4.903					
71 Isophorone	82		4.960					
73 2,4-Dimethylphenol	107		5.042					
74 2-Nitrophenol	139		5.042					
75 Benzyl dichloride	125		5.121					
76 o,o',o''-Triethylphosphorothioat	198		5.074					
77 Benzoic acid	105		5.124					
78 Bis(2-chloroethoxy)methane	93		5.112					
79 3,5-Dimethylphenol	107		5.154					
80 2,4-Xylidine	121		5.274					
81 alpha,alpha-Dimethyl phenethylam	58		5.185					
82 2,4-Dichlorophenol	162		5.236					
83 o-Anisidine	80		5.310					
84 1,2,4-Trichlorobenzene	180		5.306					
85 Alpha-Terpineol	59		5.383					
86 4-chlorobenzenethiol	144		5.946					
87 Naphthalene	128		5.377					
88 4-Chloroaniline	127		5.412					
89 2,6-Dichlorophenol	162		5.420					
90 Hexachloropropene	213		5.444					
91 Hexachlorobutadiene	225		5.453					
92 Quinoline	129		5.655					
93 N-Nitrosodi-n-butylamine	84		5.655					
94 Caprolactam	55		5.706					
95 p-Phenylene diamine	108		5.708					
97 4-Chloro-3-methylphenol	107		5.800					
98 Safrole, Total	162		5.855					
99 Carbofuran phenol	164		5.920					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
100 1,3-phenylenediamine	108		5.950					
101 2-Methylnaphthalene	142		5.947					
102 Phthalic anhydride	76		6.035					
103 1-Methylnaphthalene	142		6.035					
104 Methyl 4-chlorophenyl sulfide	158		6.753					
105 Hexachlorocyclopentadiene	237		6.064					
106 1,2,4,5-Tetrachlorobenzene	216		6.088					
107 Isosafrole Peak 1	162		6.096					
108 2,4,6-Trichlorophenol	196		6.182					
109 2,3-Dichlorobenzenamine	161		6.194					
110 2,4,5-Trichlorophenol	196		6.217					
111 Isosafrole Peak 2	104		6.284					
112 1,1'-Biphenyl	154		6.329					
113 Toluene diamine (2,4- + 2,6- iso	122		6.390					
114 2-Chloronaphthalene	162		6.364					
115 1-Chloronaphthalene	162		6.384					
116 2-Nitroaniline	65		6.452					
117 1,4-Naphthoquinone	158		6.513					
118 1,4-Dinitrobenzene	168		6.554					
119 Dimethyl phthalate	163		6.564					
120 1,3-Dinitrobenzene	168		6.622					
121 2,6-Dinitrotoluene	165		6.634					
122 Acenaphthylene	152		6.716					
123 3-Nitroaniline	138		6.793					
124 Acenaphthene	153		6.857					
125 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.686					
126 2,4-Dinitrophenol	184		6.875					
127 4-Nitrophenol	109		6.928					
128 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.791					
129 Pentachlorobenzene	250		6.966					
130 2,4-Dinitrotoluene	165		6.975					
131 n-hydroxymethylphthalimide	147		7.846					
132 Dibenzofuran	168		7.004					
133 1-Naphthylamine	143		7.077					
134 2,3,4,6-Tetrachlorophenol	232		7.098					
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.968					
136 Hexadecane	57		7.104					
137 2-Naphthylamine	143		7.142					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.003					
139 Diethyl phthalate	149		7.139					
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.073					
141 Thionazin	97		7.212					
142 4-Chlorophenyl phenyl ether	204		7.263					
143 Fluorene	166		7.292					
144 Tributyl phosphate	99		7.330					
145 N-Nitro-o-toluidine	152		7.300					
146 4-Nitroaniline	138		7.316					
147 4,6-Dinitro-2-methylphenol	198		7.322					
148 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.209					
149 Diphenylamine	169		7.365					
150 N-Nitrosodiphenylamine	169		7.369					
151 1,2-Diphenylhydrazine	77		7.398					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
152 Azobenzene	77		7.398					
153 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.303					
154 Sulfotepp	97		7.441					
155 2,4,6 - Tribromophenol	330	7.499	7.498	0.001	91	170337	82.7	
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.402					
157 Phenyl sulfide	186		8.475					
158 Diallate Peak 1	86		7.577					
159 1,3,5-Trinitrobenzene	213		7.594					
160 Phorate	121		7.594					
161 Phenacetin	108		7.612					
162 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.538					
163 Diallate Peak 2	86		7.659					
164 4-Bromophenyl phenyl ether	248		7.680					
165 Hexachlorobenzene	284		7.756					
166 Dimethoate	87		7.759					
167 Atrazine	200		7.786					
168 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.755					
169 n-Octadecane	85		7.868					
170 4-Aminobiphenyl	169		7.911					
171 Pentachlorophenol	266		7.921					
172 Pronamide	173		7.917					
173 Pentachloronitrobenzene	237		7.923					
174 Disulfoton	88		8.029					
175 Dinoseb	211		8.035					
176 Phenanthrene	178		8.109					
177 Anthracene	178		8.150					
178 Carbazole	167		8.285					
179 Alachlor	188		8.344					
180 Methyl parathion	109		8.364					
181 Di-n-butyl phthalate	149		8.497					
182 Phenyl disulfide	109		9.515					
183 Ethyl Parathion	109		8.705					
184 4-Nitroquinoline-1-oxide	190		8.816					
185 Methapyrilene	97		8.816					
186 Diphenylsulfone	125		9.844					
187 Isodrin	193		9.087					
188 Fluoranthene	202		9.272					
189 Benzidine	184		9.419					
190 Octachlorostyrene	308		10.220					
191 Pyrene	202		9.578					
192 Aramite Peak 1	185		9.627					
193 Aramite Peak 2	185		9.733					
194 p-Dimethylamino azobenzene	120		9.927					
195 Chlorobenzilate	251		9.962					
196 4,4-Dichlorobenzil	139		10.602					
197 Famphur	218		10.389					
198 Butyl benzyl phthalate	149		10.459					
199 3,3'-Dimethylbenzidine	212		10.508					
201 p-chlorophenyl sulfone	159		10.896					
202 2-Acetylaminofluorene	181		10.996					
203 Bis(2-ethylhexyl) phthalate	149		11.593					
204 4,4'-Methylene bis(2-chloroanili	231		11.619					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
205 3,3'-Dichlorobenzidine	252		11.628					
206 Benzo[a]anthracene	228		11.675					
207 Chrysene	228		11.763					
208 6-Methylchrysene	242		12.865					
209 Di-n-octyl phthalate	149		13.326					
210 7,12-Dimethylbenz(a)anthracene	256		14.498					
211 Benzo[b]fluoranthene	252		14.519					
212 Benzo[k]fluoranthene	252		14.601					
213 Hexachlorophene	196		15.313					
214 Benzo[e]pyrene	252		15.359					
215 Benzo[a]pyrene	252		15.512					
216 Perylene	252		15.996					
217 3-Methylcholanthrene	268		16.613					
218 Tris(2,3-dibromopropyl)phosphate	119		17.506					
219 Dibenz[a,h]acridine	279		18.387					
220 Dibenz[a,j]acridine	279		18.558					
221 Dibenz(a,h)anthracene	278		19.143					
222 Indeno[1,2,3-cd]pyrene	276		19.078					
223 Benzo[g,h,i]perylene	276		19.678					
224 Dibenzo[a,e]pyrene	302		22.745					
S 225 Methyl Phenols,Total	108		15.496					
S 226 Total Cresols	108		15.496					
S 227 Aramite, Total	185		15.496					
S 228 Diallate	86		15.496					
S 229 Isosafrole	162		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzofurans TIC	1		0.0					
T 15 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 16 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Pentachlorodibenzofurans TIC	1		0.0					
T 20 2,6-Dimethylphenol	1		0.0					
21 1,2,3,4-Tetrahydronaphthalene	1		0.0					
22 2-Phenoxyethanol	1		0.0					
T 23 Pentachlorodibenzo-p-dioxin TIC	1		0.0					
24 2-Butoxyethanol	1		0.0					
57 4,4'-DDE	246		4.923					
68 4,4'-DDD	235		5.203					
72 4,4'-DDT	235		5.403					

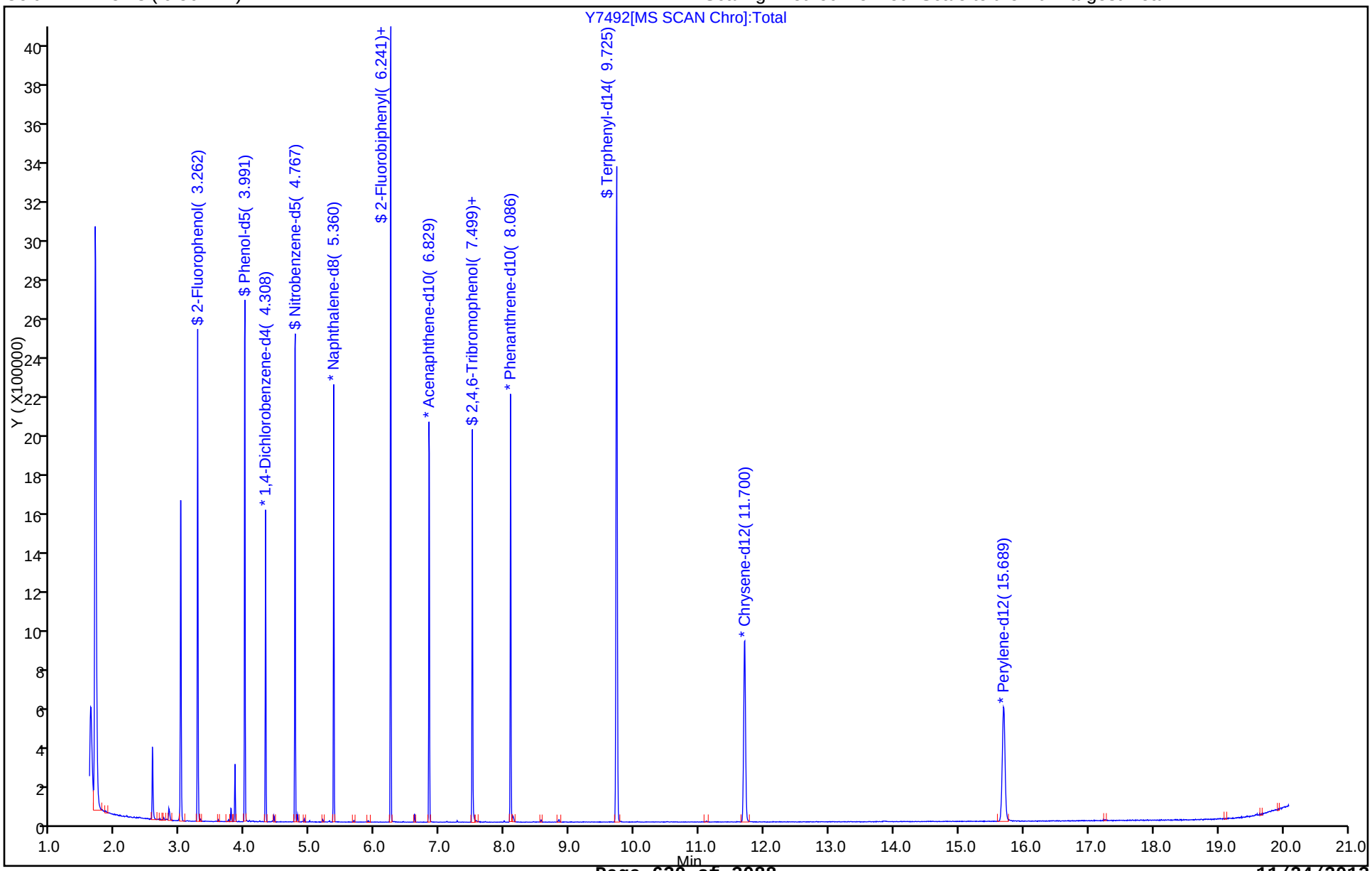
Report Date: 17-Nov-2013 12:32:55 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7492.D

Injection Date:	14-Nov-2013 14:34:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	MB 280-199334/1-A	Lab Sample ID:	MB 280-199334/1-A	Worklist Smp#:	5
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-200642/1-A

Matrix: Solid | Lab File ID: Y7639.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.2(g) | Date Analyzed: 11/20/2013 13:14

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	170	U	330	170	50
95-94-3	1,2,4,5-Tetrachlorobenzene	67	U	330	67	49
120-82-1	1,2,4-Trichlorobenzene	33	U	330	33	28
95-50-1	1,2-Dichlorobenzene	33	U	330	33	22
122-66-7	1,2-Diphenylhydrazine	33	U	330	33	22
541-73-1	1,3-Dichlorobenzene	33	U	330	33	12
106-46-7	1,4-Dichlorobenzene	33	U	330	33	14
108-60-1	2,2'-oxybis[1-chloropropane]	33	U	330	33	23
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1600	170	140
95-95-4	2,4,5-Trichlorophenol	130	U	330	130	9.9
88-06-2	2,4,6-Trichlorophenol	66	U	330	66	9.9
120-83-2	2,4-Dichlorophenol	66	U	330	66	9.9
105-67-9	2,4-Dimethylphenol	130	U	330	130	66
51-28-5	2,4-Dinitrophenol	670	U	1600	670	330
121-14-2	2,4-Dinitrotoluene	130	U	330	130	66
87-65-0	2,6-Dichlorophenol	130	U	330	130	69
606-20-2	2,6-Dinitrotoluene	66	U	330	66	28
91-58-7	2-Chloronaphthalene	33	U	330	33	9.9
95-57-8	2-Chlorophenol	33	U	330	33	21
91-57-6	2-Methylnaphthalene	33	U	330	33	19
95-48-7	2-Methylphenol	33	U	330	33	13
88-74-4	2-Nitroaniline	66	U	1600	66	50
88-75-5	2-Nitrophenol	66	U	330	66	9.9
15831-10-4	3 & 4 Methylphenol	66	U	330	66	33
91-94-1	3,3'-Dichlorobenzidine	330	U	1600	330	89
99-09-2	3-Nitroaniline	130	U	1600	130	73
534-52-1	4,6-Dinitro-2-methylphenol	660	U	1600	660	330
101-55-3	4-Bromophenyl phenyl ether	33	U	330	33	19
59-50-7	4-Chloro-3-methylphenol	130	U	330	130	66
106-47-8	4-Chloroaniline	130	U	330	130	81
7005-72-3	4-Chlorophenyl phenyl ether	66	U	330	66	21
100-01-6	4-Nitroaniline	130	U	1600	130	72
100-02-7	4-Nitrophenol	330	U	1600	330	96
83-32-9	Acenaphthene	17	U	330	17	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-200642/1-A

Matrix: Solid | Lab File ID: Y7639.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.2(g) | Date Analyzed: 11/20/2013 13:14

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	33	U	330	33	17
98-86-2	Acetophenone	33	U	330	33	20
120-12-7	Anthracene	33	U	330	33	17
1912-24-9	Atrazine	130	U	330	130	37
100-52-7	Benzaldehyde	67	U	330	67	39
92-87-5	Benzidine	3900	U	4000	3900	980
56-55-3	Benzo[a]anthracene	33	U	330	33	20
50-32-8	Benzo[a]pyrene	33	U	330	33	20
205-99-2	Benzo[b]fluoranthene	33	U	330	33	26
191-24-2	Benzo[g,h,i]perylene	33	U	330	33	16
207-08-9	Benzo[k]fluoranthene	66	U	330	66	40
65-85-0	Benzoic acid	660	U	1600	660	330
100-51-6	Benzyl alcohol	33	U	330	33	9.9
111-91-1	Bis(2-chloroethoxy)methane	66	U	330	66	23
111-44-4	Bis(2-chloroethyl)ether	33	U	330	33	16
117-81-7	Bis(2-ethylhexyl) phthalate	66	U	330	66	46
85-68-7	Butyl benzyl phthalate	66	U	330	66	43
105-60-2	Caprolactam	330	U	1600	330	110
86-74-8	Carbazole	67	U	330	67	36
218-01-9	Chrysene	33	U	330	33	27
53-70-3	Dibenz(a,h)anthracene	33	U	330	33	19
132-64-9	Dibenzofuran	33	U	330	33	20
84-66-2	Diethyl phthalate	33	U	660	33	26
131-11-3	Dimethyl phthalate	33	U	330	33	23
84-74-2	Di-n-butyl phthalate	33	U	330	33	29
117-84-0	Di-n-octyl phthalate	66	U	330	66	14
206-44-0	Fluoranthene	66	U	330	66	36
86-73-7	Fluorene	33	U	330	33	18
118-74-1	Hexachlorobenzene	66	U	330	66	29
87-68-3	Hexachlorobutadiene	66	U	330	66	9.9
77-47-4	Hexachlorocyclopentadiene	66	U	1700	66	50
67-72-1	Hexachloroethane	33	U	330	33	21
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	330	33	22
78-59-1	Isophorone	33	U	330	33	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-200642/1-A

Matrix: Solid | Lab File ID: Y7639.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.2(g) | Date Analyzed: 11/20/2013 13:14

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	66	U	330	66	31
98-95-3	Nitrobenzene	33	U	330	33	22
62-75-9	N-Nitrosodimethylamine	66	U	520	66	37
621-64-7	N-Nitrosodi-n-propylamine	66	U	330	66	31
86-30-6	N-Nitrosodiphenylamine	33	U	330	33	21
930-55-2	N-Nitrosopyrrolidine	130	U	330	130	64
87-86-5	Pentachlorophenol	670	U	1600	670	330
85-01-8	Phenanthrene	33	U	330	33	17
108-95-2	Phenol	33	U	330	33	18
129-00-0	Pyrene	33	U	400	33	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	72		35-125
321-60-8	2-Fluorobiphenyl	83		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	82		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	90		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7639.D
Lims ID: MB 280-200642/1-A Lab Sample ID: MB 280-200642/1-A
Client ID:
Sample Type: MB
Inject. Date: 20-Nov-2013 13:14:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: mb280-200642_1-a
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:11:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.289	4.287	0.002	97	313390	40.0	
* 2 Naphthalene-d8	136	5.341	5.339	0.002	100	1209744	40.0	
* 3 Acenaphthene-d10	164	6.810	6.814	-0.004	93	696962	40.0	
* 4 Phenanthrene-d10	188	8.067	8.071	-0.004	97	1188263	40.0	
* 5 Chrysene-d12	240	11.657	11.655	0.002	97	1247318	40.0	
* 6 Perylene-d12	264	15.629	15.627	0.002	97	1161713	40.0	
$ 7 2-Fluorophenol	112	3.244	3.241	0.003	92	862252	74.9	
$ 8 Phenol-d5	99	3.972	3.970	0.002	94	1164544	78.7	
$ 9 Nitrobenzene-d5	82	4.742	4.745	-0.003	88	1045692	81.9	
$ 10 2,4,6-Trichlorophenol-d2	198		6.225					
$ 11 2-Fluorobiphenyl	172	6.222	6.220	0.002	99	1841384	83.1	
$ 12 2,4,6-Tribromophenol	330	7.480	7.483	-0.003	92	257912	72.0	
$ 13 Terphenyl-d14	244	9.695	9.698	-0.003	98	2281271	90.4	
25 Triethyl amine	86		1.954					
26 2-Ethoxyethanol	59		2.124					
27 1,4-Dioxane	88		1.908					
28 N-Nitrosodimethylamine	74		2.160					
29 Pyridine	79		2.201					
30 Dimethylformamide	73		2.653					
31 2-Picoline	93		2.786					
32 N-Nitrosomethylethylamine	88		2.874					
33 Acrylamide	71		3.079					
34 Methyl methanesulfonate	80		3.109					
35 N-Nitrosodiethylamine	102		3.426					
36 Pentachlorophenol_T	266		3.708					
37 Ethyl methanesulfonate	79		3.649					
39 Benzaldehyde	106		3.947					
40 Phenol	94		3.982					
41 Methyl styrene	118		4.360					
42 Phenylmercaptan	110		4.043					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
43 Aniline	93		4.023					
44 Alpha Methyl Styrene	118		4.046					
45 Bis(2-chloroethyl)ether	93		4.052					
46 Pentachloroethane	117		4.066					
47 n-Decane	43		4.099					
48 2-Chlorophenol	128		4.123					
49 1,3-Dichlorobenzene	146		4.246					
50 1,4-Dichlorobenzene	146		4.305					
51 Benzyl alcohol	108		4.387					
52 1,2-Dichlorobenzene	146		4.434					
53 Benzidine_T	184		4.805					
54 2-Methylphenol	108		4.469					
55 2,2'-oxybis[1-chloropropane]	45		4.475					
56 Indene	116		4.499					
58 3-Methylphenol	108		4.593					
59 4-Methylphenol	108		4.593					
60 3 & 4 Methylphenol	108		4.593					
61 N-Nitrosodi-n-propylamine	70		4.587					
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105		4.610					
64 N-Nitrosomorpholine	116		4.625					
65 2-Toluidine	106		4.642					
66 Hexachloroethane	117		4.704					
67 Nitrobenzene	77		4.763					
69 Triethyl phosphate	99		4.880					
70 N-Nitrosopiperidine	114		4.883					
71 Isophorone	82		4.939					
73 2,4-Dimethylphenol	107		5.027					
74 2-Nitrophenol	139		5.022					
75 Benzyl dichloride	125		5.121					
76 o,o',o''-Triethylphosphorothioat	198		5.054					
77 Benzoic acid	105		5.104					
78 Bis(2-chloroethoxy)methane	93		5.098					
79 3,5-Dimethylphenol	107		5.133					
80 2,4-Xylidine	121		5.274					
81 alpha,alpha-Dimethyl phenethylam	58		5.165					
82 2,4-Dichlorophenol	162		5.215					
83 o-Anisidine	80		5.310					
84 1,2,4-Trichlorobenzene	180		5.286					
85 Alpha-Terpineol	59		5.383					
86 4-chlorobenzenethiol	144		5.946					
87 Naphthalene	128		5.362					
88 4-Chloroaniline	127		5.398					
89 2,6-Dichlorophenol	162		5.400					
90 Hexachloropropene	213		5.424					
91 Hexachlorobutadiene	225		5.433					
92 Quinoline	129		5.635					
93 N-Nitrosodi-n-butylamine	84		5.635					
94 Caprolactam	55		5.686					
95 p-Phenylene diamine	108		5.688					
97 4-Chloro-3-methylphenol	107		5.785					
98 Safrole, Total	162		5.835					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
99 Carbofuran phenol	164		5.920					
100 1,3-phenylenediamine	108		5.950					
101 2-Methylnaphthalene	142		5.932					
102 Phthalic anhydride	76		6.035					
103 1-Methylnaphthalene	142		6.015					
104 Methyl 4-chlorophenyl sulfide	158		6.753					
105 Hexachlorocyclopentadiene	237		6.050					
106 1,2,4,5-Tetrachlorobenzene	216		6.067					
107 Isosafrole Peak 1	162		6.082					
108 2,4,6-Trichlorophenol	196		6.161					
109 2,3-Dichlorobenzenamine	161		6.173					
110 2,4,5-Trichlorophenol	196		6.203					
111 Isosafrole Peak 2	104		6.270					
112 1,1'-Biphenyl	154		6.314					
113 Toluene diamine (2,4- + 2,6- iso	122		6.390					
114 2-Chloronaphthalene	162		6.344					
115 1-Chloronaphthalene	162		6.370					
116 2-Nitroaniline	65		6.432					
117 1,4-Naphthoquinone	158		6.493					
118 1,4-Dinitrobenzene	168		6.540					
119 Dimethyl phthalate	163		6.543					
120 1,3-Dinitrobenzene	168		6.602					
121 2,6-Dinitrotoluene	165		6.620					
122 Acenaphthylene	152		6.702					
123 3-Nitroaniline	138		6.778					
124 Acenaphthene	153		6.843					
125 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.686					
126 2,4-Dinitrophenol	184		6.861					
127 4-Nitrophenol	109		6.908					
128 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.791					
129 Pentachlorobenzene	250		6.945					
130 2,4-Dinitrotoluene	165		6.960					
131 n-hydroxymethylphthalimide	147		7.846					
132 Dibenzofuran	168		6.984					
133 1-Naphthylamine	143		7.057					
134 2,3,4,6-Tetrachlorophenol	232		7.084					
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.968					
136 Hexadecane	57		7.090					
137 2-Naphthylamine	143		7.122					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.003					
139 Diethyl phthalate	149		7.125					
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.073					
141 Thionazin	97		7.192					
142 4-Chlorophenyl phenyl ether	204		7.248					
143 Fluorene	166		7.272					
144 Tributyl phosphate	99		7.330					
145 N-Nitro-o-toluidine	152		7.280					
146 4-Nitroaniline	138		7.295					
147 4,6-Dinitro-2-methylphenol	198		7.307					
148 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.209					
149 Diphenylamine	169		7.351					
150 N-Nitrosodiphenylamine	169		7.348					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
151 1,2-Diphenylhydrazine	77		7.384					
152 Azobenzene	77		7.384					
153 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.303					
154 Sulfotepp	97		7.427					
155 2,4,6 - Tribromophenol	330		7.483					
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.402					
157 Phenyl sulfide	186		8.475					
158 Diallate Peak 1	86		7.562					
159 1,3,5-Trinitrobenzene	213		7.574					
160 Phorate	121		7.574					
161 Phenacetin	108		7.592					
162 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.538					
163 Diallate Peak 2	86		7.639					
164 4-Bromophenyl phenyl ether	248		7.666					
165 Hexachlorobenzene	284		7.736					
166 Dimethoate	87		7.739					
167 Atrazine	200		7.771					
168 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.755					
169 n-Octadecane	85		7.854					
170 4-Aminobiphenyl	169		7.891					
171 Pentachlorophenol	266		7.901					
172 Pronamide	173		7.897					
173 Pentachloronitrobenzene	237		7.903					
174 Disulfoton	88		8.009					
175 Dinoseb	211		8.021					
176 Phenanthrene	178		8.094					
177 Anthracene	178		8.136					
178 Carbazole	167		8.265					
179 Alachlor	188		8.324					
180 Methyl parathion	109		8.344					
181 Di-n-butyl phthalate	149		8.482					
182 Phenyl disulfide	109		9.515					
183 Ethyl Parathion	109		8.679					
184 4-Nitroquinoline-1-oxide	190		8.796					
185 Methapyrilene	97		8.796					
186 Diphenylsulfone	125		9.844					
187 Isodrin	193		9.061					
188 Fluoranthene	202		9.252					
189 Benzidine	184		9.393					
190 Octachlorostyrene	308		10.220					
191 Pyrene	202		9.552					
192 Aramite Peak 1	185		9.595					
193 Aramite Peak 2	185		9.707					
194 p-Dimethylamino azobenzene	120		9.901					
195 Chlorobenzilate	251		9.936					
196 4,4-Dichlorobenzil	139		10.602					
197 Famphur	218		10.357					
198 Butyl benzyl phthalate	149		10.427					
199 3,3'-Dimethylbenzidine	212		10.477					
201 p-chlorophenyl sulfone	159		10.896					
202 2-Acetylaminofluorene	181		10.958					
203 Bis(2-ethylhexyl) phthalate	149		11.561					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
204 4,4'-Methylene bis(2-chloroanili	231		11.581					
205 3,3'-Dichlorobenzidine	252		11.590					
206 Benzo[a]anthracene	228		11.637					
207 Chrysene	228		11.725					
208 6-Methylchrysene	242		12.821					
209 Di-n-octyl phthalate	149		13.288					
210 7,12-Dimethylbenz(a)anthracene	256		14.443					
211 Benzo[b]fluoranthene	252		14.463					
212 Benzo[k]fluoranthene	252		14.552					
213 Hexachlorophene	196		15.313					
214 Benzo[e]pyrene	252		15.304					
215 Benzo[a]pyrene	252		15.456					
216 Perylene	252		15.996					
217 3-Methylcholanthrene	268		16.558					
218 Tris(2,3-dibromopropyl)phosphate	119		17.506					
219 Dibenz[a,h]acridine	279		18.320					
220 Dibenz[a,j]acridine	279		18.491					
221 Dibenz(a,h)anthracene	278		19.099					
222 Indeno[1,2,3-cd]pyrene	276		19.023					
223 Benzo[g,h,i]perylene	276		19.640					
224 Dibenzo[a,e]pyrene	302		22.745					
S 225 Methyl Phenols,Total	108		15.496					
S 226 Total Cresols	108		15.496					
S 227 Aramite, Total	185		15.496					
S 228 Diallate	86		15.496					
S 229 Isosafrole	162		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzofurans TIC	1		0.0					
T 15 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 16 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Pentachlorodibenzofurans TIC	1		0.0					
T 20 2,6-Dimethylphenol	1		0.0					
21 1,2,3,4-Tetrahydronaphthalene	1		0.0					
22 2-Phenoxyethanol	1		0.0					
T 23 Pentachlorodibenzo-p-dioxin TIC	1		0.0					
24 2-Butoxyethanol	1		0.0					
57 4,4'-DDE	246		4.905					
68 4,4'-DDD	235		5.199					
72 4,4'-DDT	235		5.399					

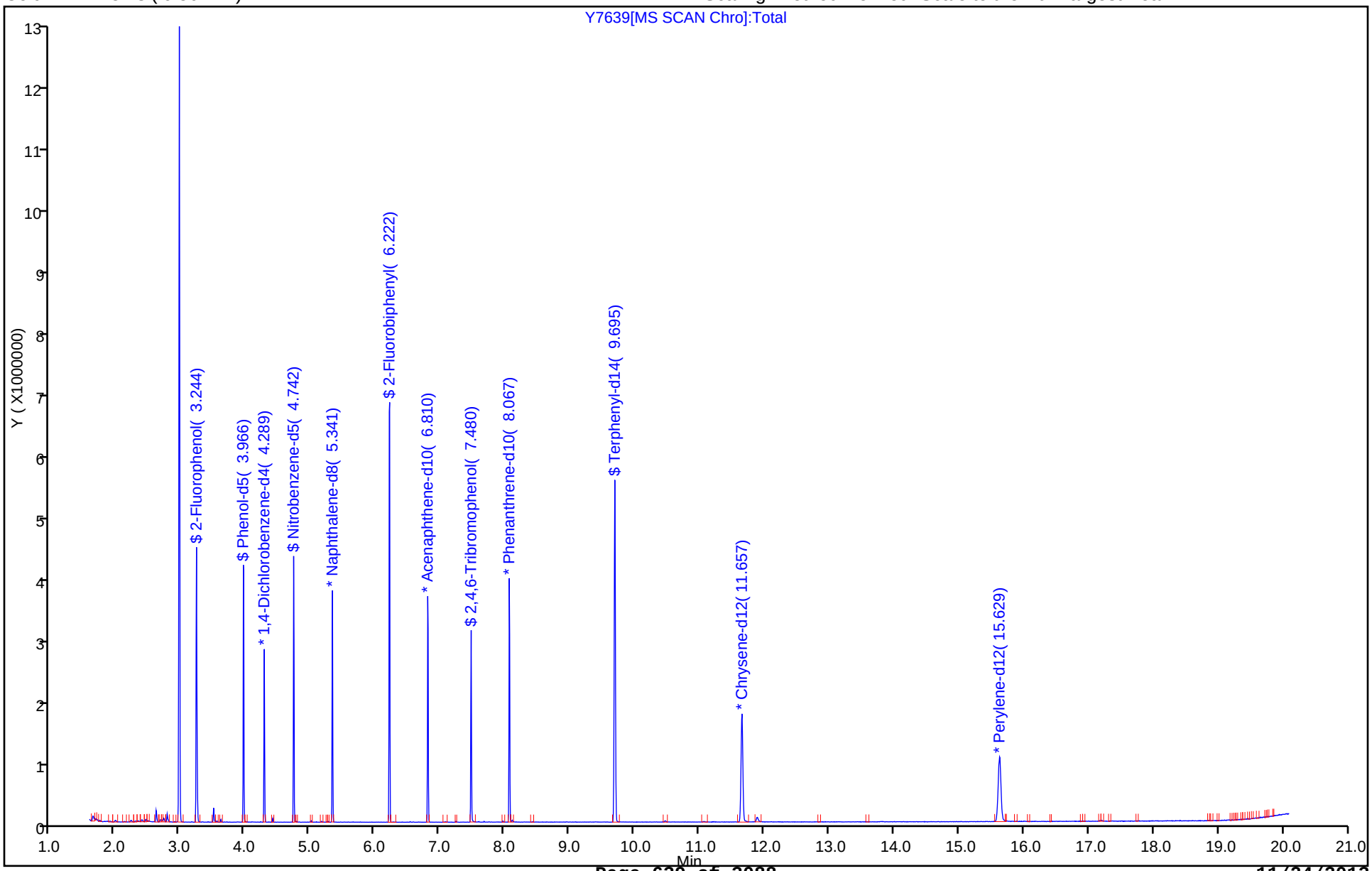
Report Date: 21-Nov-2013 08:22:08 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7639.D

Injection Date:	20-Nov-2013 13:14:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	MB 280-200642/1-A	Lab Sample ID:	MB 280-200642/1-A	Worklist Smp#:	5
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-199334/2-A

Matrix: Water | Lab File ID: Y7493.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 15:02

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	63.4		10	2.0	1.8
95-94-3	1,2,4,5-Tetrachlorobenzene	58.8		10	2.0	1.7
120-82-1	1,2,4-Trichlorobenzene	51.1		10	1.0	0.28
95-50-1	1,2-Dichlorobenzene	46.0		10	1.0	0.23
122-66-7	1,2-Diphenylhydrazine	72.1		10	1.0	0.23
541-73-1	1,3-Dichlorobenzene	45.2		10	1.0	0.30
106-46-7	1,4-Dichlorobenzene	45.8		10	1.0	0.32
108-60-1	2,2'-oxybis[1-chloropropane]	67.4		10	1.0	0.28
58-90-2	2,3,4,6-Tetrachlorophenol	67.5		50	2.0	2.0
95-95-4	2,4,5-Trichlorophenol	64.3		20	1.0	0.45
88-06-2	2,4,6-Trichlorophenol	63.0		20	1.0	0.29
120-83-2	2,4-Dichlorophenol	61.0		10	2.0	0.64
105-67-9	2,4-Dimethylphenol	51.2		10	4.0	0.58
51-28-5	2,4-Dinitrophenol	130		80	20	10
121-14-2	2,4-Dinitrotoluene	68.0		20	4.0	1.7
606-20-2	2,6-Dinitrotoluene	65.3		20	4.0	1.9
91-58-7	2-Chloronaphthalene	62.9		10	1.0	0.26
95-57-8	2-Chlorophenol	60.4		10	4.0	2.0
91-57-6	2-Methylnaphthalene	60.2		10	1.0	0.29
95-48-7	2-Methylphenol	59.2		10	4.0	0.98
88-74-4	2-Nitroaniline	72.7		50	4.0	1.7
88-75-5	2-Nitrophenol	62.9		20	1.0	0.39
15831-10-4	3 & 4 Methylphenol	61.3		20	1.0	0.25
91-94-1	3,3'-Dichlorobenzidine	45.2	J	50	10	2.0
99-09-2	3-Nitroaniline	52.8		50	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	142		80	10	4.0
101-55-3	4-Bromophenyl phenyl ether	64.6		10	1.0	0.43
59-50-7	4-Chloro-3-methylphenol	65.0		20	5.0	2.4
106-47-8	4-Chloroaniline	45.5		25	5.0	2.1
7005-72-3	4-Chlorophenyl phenyl ether	65.1		10	4.0	1.7
100-01-6	4-Nitroaniline	62.6		50	4.0	2.0
100-02-7	4-Nitrophenol	129		50	10	1.2
83-32-9	Acenaphthene	65.5		10	1.0	0.28
208-96-8	Acenaphthylene	62.8		10	1.0	0.49

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-199334/2-A

Matrix: Water | Lab File ID: Y7493.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 15:02

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-86-2	Acetophenone	60.8		10	5.0	0.24
120-12-7	Anthracene	64.8		10	1.0	0.42
1912-24-9	Atrazine	69.2		50	10	0.73
92-87-5	Benzidine	100	U	200	100	50
56-55-3	Benzo[a]anthracene	66.2		10	1.0	0.35
50-32-8	Benzo[a]pyrene	64.2		10	1.0	0.31
205-99-2	Benzo[b]fluoranthene	68.1		10	1.0	0.53
191-24-2	Benzo[g,h,i]perylene	65.1		10	1.0	0.50
207-08-9	Benzo[k]fluoranthene	65.6		10	1.0	0.46
65-85-0	Benzoic acid	51.9	J	80	50	10
100-51-6	Benzyl alcohol	62.1		25	1.0	0.23
111-91-1	Bis(2-chloroethoxy)methane	64.2		10	4.0	0.97
111-44-4	Bis(2-chloroethyl)ether	66.5		20	1.0	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	69.6		10	1.0	0.56
85-68-7	Butyl benzyl phthalate	66.8		20	4.0	1.0
105-60-2	Caprolactam	70.5		35	10	5.0
86-74-8	Carbazole	67.1		10	1.0	0.43
218-01-9	Chrysene	65.9		10	1.0	0.54
53-70-3	Dibenz(a,h)anthracene	67.1		10	1.0	0.51
132-64-9	Dibenzofuran	64.7		10	1.0	0.29
84-66-2	Diethyl phthalate	67.8		20	1.0	0.38
131-11-3	Dimethyl phthalate	66.6		20	1.0	0.21
84-74-2	Di-n-butyl phthalate	67.9		20	4.0	1.2
117-84-0	Di-n-octyl phthalate	70.5		20	1.0	0.35
206-44-0	Fluoranthene	68.1		20	1.0	0.20
86-73-7	Fluorene	67.2		10	1.0	0.31
118-74-1	Hexachlorobenzene	63.8		10	1.0	0.66
87-68-3	Hexachlorobutadiene	47.7		30	10	3.3
77-47-4	Hexachlorocyclopentadiene	18.5	J	50	20	10
67-72-1	Hexachloroethane	44.8		10	4.0	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	64.1	M	10	1.0	0.65
78-59-1	Isophorone	61.4		10	1.0	0.21
91-20-3	Naphthalene	58.2		10	1.0	0.29
98-95-3	Nitrobenzene	66.0		20	2.0	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-199334/2-A

Matrix: Water | Lab File ID: Y7493.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 15:02

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
62-75-9	N-Nitrosodimethylamine	58.9		10	1.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	65.0		20	1.0	0.35
86-30-6	N-Nitrosodiphenylamine	66.1		10	1.0	0.44
87-86-5	Pentachlorophenol	127		80	40	20
85-01-8	Phenanthrene	67.7		10	1.0	0.26
108-95-2	Phenol	61.6		10	5.0	2.0
129-00-0	Pyrene	66.9		10	1.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	78		40-125
321-60-8	2-Fluorobiphenyl	78		50-110
367-12-4	2-Fluorophenol (Surr)	73		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	83		40-110
4165-62-2	Phenol-d5 (Surr)	78		10-115
1718-51-0	Terphenyl-d14 (Surr)	83		50-135

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7493.D
Lims ID: LCS 280-199334/2-A Lab Sample ID: LCS 280-199334/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Nov-2013 15:02:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: lcs280-199334_2-a
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:54 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 17-Nov-2013 12:19:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.310	4.308	0.002	97	214859	40.0	
* 2 Naphthalene-d8	136	5.362	5.360	0.002	100	844233	40.0	
* 3 Acenaphthene-d10	164	6.831	6.828	0.003	93	475485	40.0	
* 4 Phenanthrene-d10	188	8.088	8.086	0.002	97	793199	40.0	
* 5 Chrysene-d12	240	11.708	11.693	0.015	94	813764	40.0	
* 6 Perylene-d12	264	15.697	15.689	0.008	97	750955	40.0	
$ 7 2-Fluorophenol	112	3.265	3.262	0.003	93	576645	73.1	
$ 8 Phenol-d5	99	3.987	3.990	-0.003	94	793055	78.1	
$ 9 Nitrobenzene-d5	82	4.763	4.766	-0.003	91	738860	83.0	
$ 11 2-Fluorobiphenyl	172	6.238	6.241	-0.002	99	1186298	78.5	
$ 12 2,4,6-Tribromophenol	330	7.501	7.498	0.003	91	189703	77.6	
$ 13 Terphenyl-d14	244	9.722	9.719	0.003	97	1371036	83.3	
27 1,4-Dioxane	88	1.937	1.934	0.003	94	188020	50.5	
28 N-Nitrosodimethylamine	74	2.189	2.186	0.003	89	316191	58.9	
29 Pyridine	79	2.230	2.228	0.002	96	440284	47.2	
40 Phenol	94	3.999	4.002	-0.003	98	644373	61.6	
43 Aniline	93	4.046	4.043	0.003	97	510020	38.1	
45 Bis(2-chloroethyl)ether	93	4.075	4.072	0.003	97	515594	66.5	
47 n-Decane	43	4.116	4.114	0.002	87	315993	46.2	
48 2-Chlorophenol	128	4.146	4.143	0.003	96	501707	60.4	
49 1,3-Dichlorobenzene	146	4.263	4.266	-0.003	95	396945	45.2	
50 1,4-Dichlorobenzene	146	4.322	4.325	-0.003	89	408056	45.8	
51 Benzyl alcohol	108	4.410	4.407	0.003	90	348655	62.1	
52 1,2-Dichlorobenzene	146	4.451	4.448	0.003	94	390829	46.0	
54 2-Methylphenol	108	4.487	4.484	0.003	96	469285	59.2	
55 2,2'-oxybis[1-chloropropane]	45	4.498	4.496	0.002	91	605502	67.4	
58 3-Methylphenol	108	4.610	4.607	0.003	85	501143	61.3	
59 4-Methylphenol	108	4.610	4.607	0.003	85	501143	61.3	
60 3 & 4 Methylphenol	108	4.610	4.607	0.003	85	501143	61.3	
61 N-Nitrosodi-n-propylamine	70	4.610	4.607	0.003	79	395211	65.0	
63 Acetophenone	105	4.628	4.625	0.003	92	707364	60.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
66 Hexachloroethane	117	4.728	4.725	0.003	97	163159	44.8	
67 Nitrobenzene	77	4.780	4.778	0.002	89	580231	66.0	
71 Isophorone	82	4.957	4.960	-0.003	97	933820	61.4	
73 2,4-Dimethylphenol	107	5.045	5.042	0.003	93	415183	51.2	
74 2-Nitrophenol	139	5.039	5.042	-0.003	96	260858	62.9	
77 Benzoic acid	105	5.104	5.124	-0.020	88	339832	51.9	
78 Bis(2-chloroethoxy)methane	93	5.115	5.112	0.003	98	592989	64.2	
82 2,4-Dichlorophenol	162	5.239	5.236	0.003	96	396420	61.0	
84 1,2,4-Trichlorobenzene	180	5.303	5.306	-0.003	90	351292	51.1	
87 Naphthalene	128	5.380	5.377	0.003	98	1257445	58.2	
88 4-Chloroaniline	127	5.415	5.412	0.003	83	463270	45.5	
91 Hexachlorobutadiene	225	5.456	5.453	0.003	97	185205	47.7	
94 Caprolactam	55	5.703	5.706	-0.003	76	232439	70.5	
97 4-Chloro-3-methylphenol	107	5.803	5.800	0.003	95	465293	65.0	
101 2-Methylnaphthalene	142	5.950	5.947	0.003	85	879516	60.2	
103 1-Methylnaphthalene	142	6.038	6.035	0.003	88	834350	61.1	
105 Hexachlorocyclopentadiene	237	6.067	6.064	0.003	94	77238	18.5	
106 1,2,4,5-Tetrachlorobenzene	216	6.091	6.088	0.003	99	377849	58.8	
108 2,4,6-Trichlorophenol	196	6.179	6.182	-0.003	93	269976	63.0	
110 2,4,5-Trichlorophenol	196	6.220	6.217	0.003	91	291111	64.3	
112 1,1'-Biphenyl	154	6.332	6.329	0.003	95	1131005	63.4	
114 2-Chloronaphthalene	162	6.367	6.364	0.003	98	848495	62.9	
116 2-Nitroaniline	65	6.449	6.452	-0.003	80	335185	72.7	
119 Dimethyl phthalate	163	6.561	6.564	-0.003	97	1019060	66.6	
120 1,3-Dinitrobenzene	168	6.625	6.622	0.003	84	177682	69.0	
121 2,6-Dinitrotoluene	165	6.637	6.634	0.003	88	234708	65.3	
122 Acenaphthylene	152	6.719	6.716	0.003	92	1344346	62.8	
123 3-Nitroaniline	138	6.796	6.793	0.003	92	239115	52.8	
124 Acenaphthene	153	6.860	6.857	0.003	94	883018	65.5	
126 2,4-Dinitrophenol	184	6.878	6.875	0.003	79	288291	130.0	
127 4-Nitrophenol	109	6.925	6.928	-0.003	92	353027	128.9	
130 2,4-Dinitrotoluene	165	6.978	6.975	0.003	78	325596	68.0	
132 Dibenzofuran	168	7.001	7.004	-0.003	88	1222271	64.7	
134 2,3,4,6-Tetrachlorophenol	232	7.101	7.098	0.003	69	249070	67.5	
136 Hexadecane	57	7.107	7.104	0.003	94	652091	74.4	
139 Diethyl phthalate	149	7.142	7.139	0.003	96	1021909	67.8	
142 4-Chlorophenyl phenyl ether	204	7.266	7.263	0.003	96	472469	65.1	
143 Fluorene	166	7.295	7.292	0.003	83	1051604	67.2	
146 4-Nitroaniline	138	7.319	7.316	0.003	79	279495	62.6	
147 4,6-Dinitro-2-methylphenol	198	7.324	7.322	0.002	80	396242	142.2	
150 N-Nitrosodiphenylamine	169	7.371	7.369	0.002	62	755487	66.1	
151 1,2-Diphenylhydrazine	77	7.401	7.398	0.003	98	1232172	72.1	
152 Azobenzene	77	7.401	7.398	0.003	99	1232172	71.3	
155 2,4,6 - Tribromophenol	330	7.501	7.498	0.003	91	190074	77.8	
164 4-Bromophenyl phenyl ether	248	7.683	7.680	0.003	65	291933	64.6	
165 Hexachlorobenzene	284	7.759	7.756	0.003	93	312384	63.8	
167 Atrazine	200	7.789	7.786	0.003	88	275678	69.2	
169 n-Octadecane	85	7.871	7.868	0.003	94	319852	70.2	
171 Pentachlorophenol	266	7.924	7.921	0.003	88	366753	126.7	
176 Phenanthrene	178	8.112	8.109	0.003	98	1515079	67.7	
177 Anthracene	178	8.153	8.150	0.003	98	1498633	64.8	
178 Carbazole	167	8.288	8.285	0.003	82	1454045	67.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
181 Di-n-butyl phthalate	149	8.500	8.497	0.003	100	1708581	67.9	
188 Fluoranthene	202	9.275	9.272	0.003	98	1612946	68.1	
189 Benzidine	184	9.422	9.419	0.003	98	371236	26.9	
191 Pyrene	202	9.581	9.578	0.003	97	1648747	66.9	
198 Butyl benzyl phthalate	149	10.462	10.459	0.003	96	761053	66.8	
203 Bis(2-ethylhexyl) phthalate	149	11.596	11.593	0.003	98	1026956	69.6	
205 3,3'-Dichlorobenzidine	252	11.631	11.628	0.003	71	404389	45.2	
206 Benzo[a]anthracene	228	11.678	11.675	0.003	99	1500810	66.2	
207 Chrysene	228	11.766	11.763	0.003	95	1398816	65.9	
209 Di-n-octyl phthalate	149	13.335	13.326	0.009	100	1692472	70.5	
211 Benzo[b]fluoranthene	252	14.522	14.519	0.003	91	1449846	68.1	
212 Benzo[k]fluoranthene	252	14.604	14.601	0.003	95	1486447	65.6	
215 Benzo[a]pyrene	252	15.515	15.512	0.003	75	1350953	64.2	
221 Dibenz(a,h)anthracene	278	19.152	19.143	0.009	70	1309392	67.1	
222 Indeno[1,2,3-cd]pyrene	276	19.087	19.078	0.009	99	1230488	64.1	M
223 Benzo[g,h,i]perylene	276	19.681	19.678	0.003	93	1347974	65.1	

QC Flag Legend

Review Flags
M - Manually Integrated

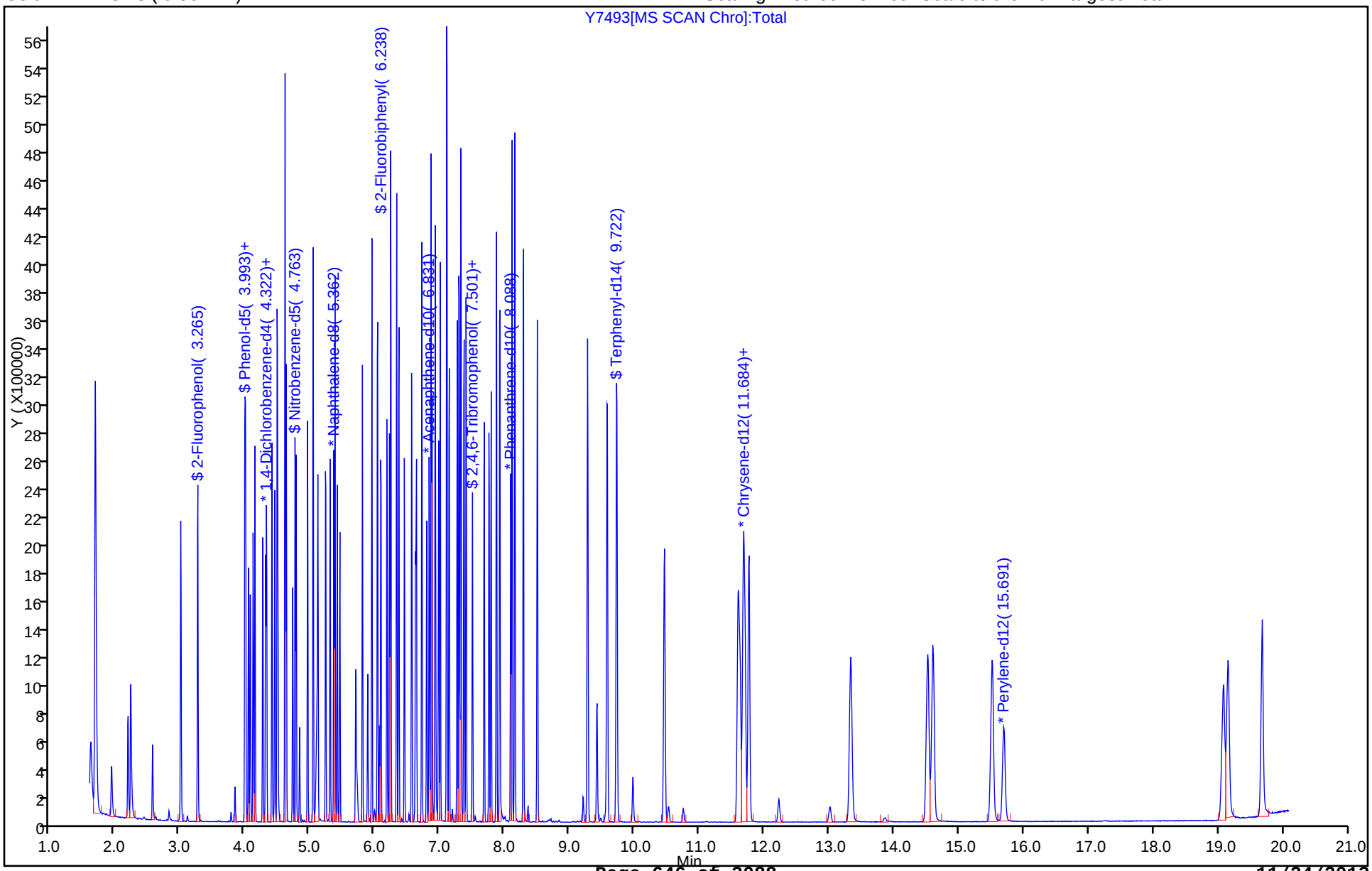
Report Date: 17-Nov-2013 12:32:55 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7493.D

Injection Date:	14-Nov-2013 15:02:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	LCS 280-199334/2-A	Lab Sample ID:	LCS 280-199334/2-A	Worklist Smp#:	6
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

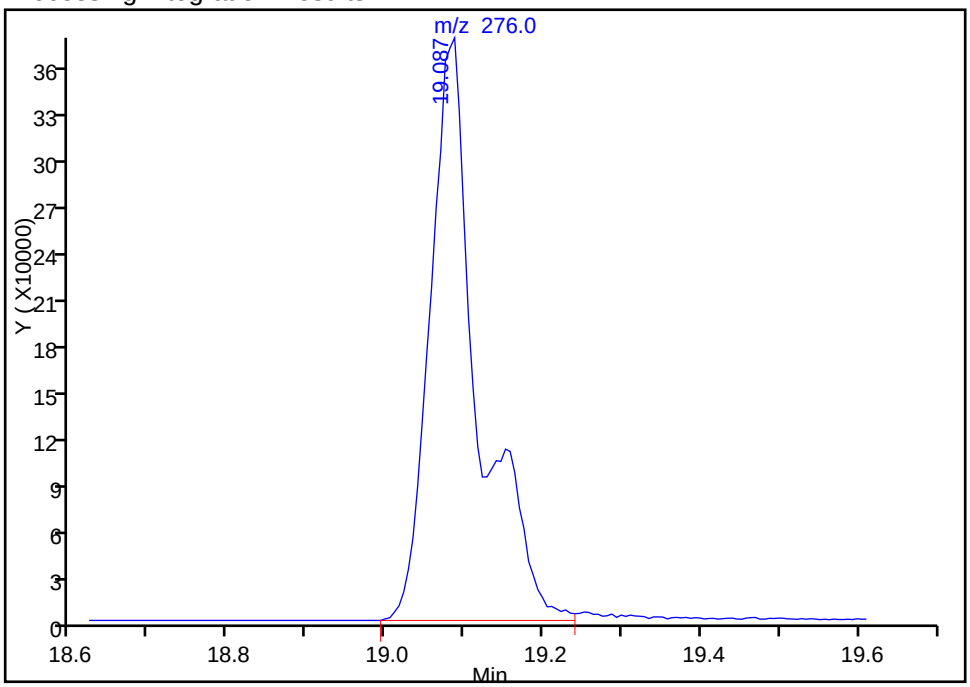
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7493.D				
Injection Date:	14-Nov-2013 15:02:30	Instrument ID:	SMS_Y		
Lims ID:	LCS 280-199334/2-A	Lab Sample ID:	LCS 280-199334/2-A		
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

222 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

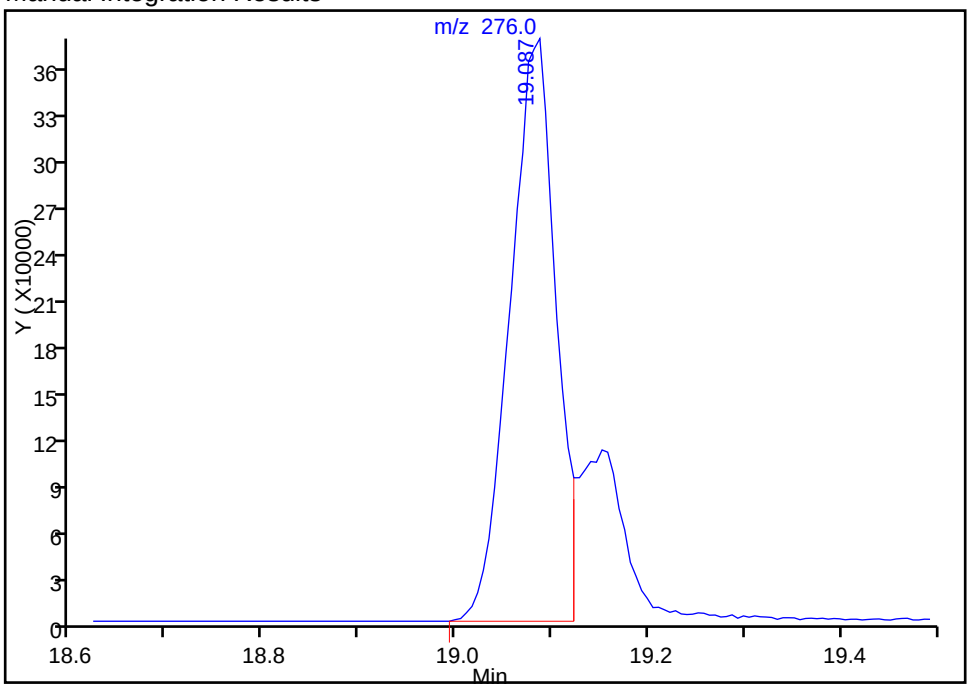
Processing Integration Results

RT: 19.09
Response: 1575169
Amount: 82.002476



Manual Integration Results

RT: 19.09
Response: 1230488
Amount: 64.058563



Reviewer: williamst, 17-Nov-2013 12:19:44
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-200642/2-A

Matrix: Solid | Lab File ID: Y7640.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.0(g) | Date Analyzed: 11/20/2013 13:42

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	2130		330	170	50
95-94-3	1,2,4,5-Tetrachlorobenzene	2140		330	67	49
120-82-1	1,2,4-Trichlorobenzene	1990		330	33	28
95-50-1	1,2-Dichlorobenzene	1940		330	33	22
122-66-7	1,2-Diphenylhydrazine	2240		330	33	22
541-73-1	1,3-Dichlorobenzene	1910		330	33	12
106-46-7	1,4-Dichlorobenzene	1930		330	33	14
108-60-1	2,2'-oxybis[1-chloropropane]	1960		330	33	23
58-90-2	2,3,4,6-Tetrachlorophenol	2290		1600	170	140
95-95-4	2,4,5-Trichlorophenol	2160		330	130	10
88-06-2	2,4,6-Trichlorophenol	2100		330	66	10
120-83-2	2,4-Dichlorophenol	2100		330	66	10
105-67-9	2,4-Dimethylphenol	2090		330	130	66
51-28-5	2,4-Dinitrophenol	3830		1600	670	330
121-14-2	2,4-Dinitrotoluene	2280		330	130	66
606-20-2	2,6-Dinitrotoluene	2230		330	66	28
91-58-7	2-Chloronaphthalene	2120		330	33	10
95-57-8	2-Chlorophenol	2010		330	33	21
91-57-6	2-Methylnaphthalene	2110		330	33	19
95-48-7	2-Methylphenol	2010		330	33	13
88-74-4	2-Nitroaniline	2300		1600	66	50
88-75-5	2-Nitrophenol	2080		330	66	10
15831-10-4	3 & 4 Methylphenol	2070		330	66	33
91-94-1	3,3'-Dichlorobenzidine	1330	J	1600	330	90
99-09-2	3-Nitroaniline	1660		1600	130	73
534-52-1	4,6-Dinitro-2-methylphenol	4780		1600	660	330
101-55-3	4-Bromophenyl phenyl ether	2280		330	33	19
59-50-7	4-Chloro-3-methylphenol	2210		330	130	66
106-47-8	4-Chloroaniline	1110		330	130	82
7005-72-3	4-Chlorophenyl phenyl ether	2230		330	66	21
100-01-6	4-Nitroaniline	2040		1600	130	73
100-02-7	4-Nitrophenol	4250		1600	330	97
83-32-9	Acenaphthene	2180		330	17	10
208-96-8	Acenaphthylene	2090		330	33	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-200642/2-A

Matrix: Solid | Lab File ID: Y7640.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.0(g) | Date Analyzed: 11/20/2013 13:42

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-86-2	Acetophenone	1750		330	33	20
120-12-7	Anthracene	2270		330	33	17
1912-24-9	Atrazine	2510		330	130	37
92-87-5	Benzidine	4000	U M	4000	4000	990
56-55-3	Benzo[a]anthracene	2230		330	33	20
50-32-8	Benzo[a]pyrene	2250		330	33	20
205-99-2	Benzo[b]fluoranthene	2320		330	33	26
191-24-2	Benzo[g,h,i]perylene	2230		330	33	16
207-08-9	Benzo[k]fluoranthene	2290		330	66	40
65-85-0	Benzoic acid	1650		1600	660	330
100-51-6	Benzyl alcohol	2010		330	33	10
111-91-1	Bis(2-chloroethoxy)methane	2060		330	66	23
111-44-4	Bis(2-chloroethyl)ether	2070		330	33	17
117-81-7	Bis(2-ethylhexyl) phthalate	2290		330	66	46
85-68-7	Butyl benzyl phthalate	2200		330	66	43
105-60-2	Caprolactam	2120		1600	330	110
86-74-8	Carbazole	2290		330	67	36
218-01-9	Chrysene	2250		330	33	27
53-70-3	Dibenz(a,h)anthracene	2350		330	33	19
132-64-9	Dibenzofuran	2200		330	33	20
84-66-2	Diethyl phthalate	2270		660	33	26
131-11-3	Dimethyl phthalate	2250		330	33	23
84-74-2	Di-n-butyl phthalate	2330		330	33	29
117-84-0	Di-n-octyl phthalate	2340		330	66	14
206-44-0	Fluoranthene	2370		330	66	36
86-73-7	Fluorene	2210		330	33	18
118-74-1	Hexachlorobenzene	2290		330	66	29
87-68-3	Hexachlorobutadiene	2110		330	66	10
77-47-4	Hexachlorocyclopentadiene	1600	J	1700	66	50
67-72-1	Hexachloroethane	1950		330	33	21
193-39-5	Indeno[1,2,3-cd]pyrene	2290	M	330	33	22
78-59-1	Isophorone	1970		330	33	17
91-20-3	Naphthalene	2100		330	66	31
98-95-3	Nitrobenzene	2030		330	33	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-200642/2-A

Matrix: Solid | Lab File ID: Y7640.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.0(g) | Date Analyzed: 11/20/2013 13:42

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
62-75-9	N-Nitrosodimethylamine	1780		520	66	37
621-64-7	N-Nitrosodi-n-propylamine	2070		330	66	31
86-30-6	N-Nitrosodiphenylamine	2140		330	33	21
87-86-5	Pentachlorophenol	4050		1600	670	330
85-01-8	Phenanthrene	2280		330	33	17
108-95-2	Phenol	2010		330	33	18
129-00-0	Pyrene	2230		400	33	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		35-125
321-60-8	2-Fluorobiphenyl	81		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	88		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7640.D
Lims ID: LCS 280-200642/2-A Lab Sample ID: LCS 280-200642/2-A
Client ID:
Sample Type: LCS
Inject. Date: 20-Nov-2013 13:42:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: lcs280-200642_2-a
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:12:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.290	4.287	0.003	97	306524	40.0	
* 2 Naphthalene-d8	136	5.342	5.339	0.003	100	1214134	40.0	
* 3 Acenaphthene-d10	164	6.811	6.814	-0.003	92	698457	40.0	
* 4 Phenanthrene-d10	188	8.068	8.071	-0.003	97	1147057	40.0	
* 5 Chrysene-d12	240	11.664	11.655	0.009	97	1227524	40.0	
* 6 Perylene-d12	264	15.630	15.627	0.003	97	1128487	40.0	
$ 7 2-Fluorophenol	112	3.245	3.241	0.004	91	863908	76.7	
$ 8 Phenol-d5	99	3.967	3.970	-0.003	93	1147727	79.3	
$ 9 Nitrobenzene-d5	82	4.743	4.745	-0.002	89	1022280	79.8	
$ 11 2-Fluorobiphenyl	172	6.218	6.220	-0.002	99	1807826	81.4	
$ 12 2,4,6-Tribromophenol	330	7.481	7.483	-0.002	94	295865	82.4	
$ 13 Terphenyl-d14	244	9.696	9.698	-0.002	99	2184291	88.0	
27 1,4-Dioxane	88	1.899	1.908	-0.009	92	163927	30.9	
28 N-Nitrosodimethylamine	74	2.158	2.160	-0.002	91	408099	53.3	
29 Pyridine	79	2.199	2.201	-0.002	98	522468	39.3	
40 Phenol	94	3.979	3.982	-0.003	98	898805	60.3	
43 Aniline	93	4.026	4.023	0.003	98	375554	19.7	
45 Bis(2-chloroethyl)ether	93	4.049	4.052	-0.003	96	686603	62.0	
47 n-Decane	43	4.096	4.099	-0.003	86	494718	50.7	
48 2-Chlorophenol	128	4.126	4.123	0.003	95	713518	60.2	
49 1,3-Dichlorobenzene	146	4.243	4.246	-0.003	96	718255	57.3	
50 1,4-Dichlorobenzene	146	4.302	4.305	-0.003	91	737319	57.9	
51 Benzyl alcohol	108	4.384	4.387	-0.003	90	483806	60.4	
52 1,2-Dichlorobenzene	146	4.431	4.434	-0.003	94	705107	58.2	
54 2-Methylphenol	108	4.467	4.469	-0.002	96	682706	60.4	
55 2,2'-oxybis[1-chloropropane]	45	4.478	4.475	0.003	90	752036	58.7	
58 3-Methylphenol	108	4.590	4.593	-0.003	89	723419	62.0	
59 4-Methylphenol	108	4.590	4.593	-0.003	89	723419	62.0	
60 3 & 4 Methylphenol	108	4.590	4.593	-0.003	89	723419	62.0	
61 N-Nitrosodi-n-propylamine	70	4.584	4.587	-0.003	84	539694	62.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
63 Acetophenone	105	4.608	4.610	-0.002	96	869698	52.4	
66 Hexachloroethane	117	4.708	4.704	0.004	97	303380	58.4	
67 Nitrobenzene	77	4.760	4.763	-0.003	88	770358	61.0	
71 Isophorone	82	4.937	4.939	-0.002	97	1289525	59.0	
73 2,4-Dimethylphenol	107	5.025	5.027	-0.002	95	730209	62.6	
74 2-Nitrophenol	139	5.019	5.022	-0.003	93	372799	62.5	
77 Benzoic acid	105	5.084	5.104	-0.020	86	465274	49.5	
78 Bis(2-chloroethoxy)methane	93	5.095	5.098	-0.003	99	821545	61.8	
82 2,4-Dichlorophenol	162	5.213	5.215	-0.002	96	588776	63.0	
84 1,2,4-Trichlorobenzene	180	5.283	5.286	-0.003	89	591294	59.8	
87 Naphthalene	128	5.360	5.362	-0.002	98	1958575	63.1	
88 4-Chloroaniline	127	5.395	5.398	-0.003	84	487747	33.3	
91 Hexachlorobutadiene	225	5.436	5.433	0.003	95	354122	63.4	
94 Caprolactam	55	5.677	5.686	-0.009	82	301187	63.6	
97 4-Chloro-3-methylphenol	107	5.783	5.785	-0.002	95	684180	66.4	
101 2-Methylnaphthalene	142	5.930	5.932	-0.002	89	1331071	63.4	
103 1-Methylnaphthalene	142	6.018	6.015	0.003	90	1268355	64.7	
105 Hexachlorocyclopentadiene	237	6.047	6.050	-0.003	92	294984	48.0	
106 1,2,4,5-Tetrachlorobenzene	216	6.071	6.067	0.004	96	591883	64.1	
108 2,4,6-Trichlorophenol	196	6.159	6.161	-0.002	92	395845	62.9	
110 2,4,5-Trichlorophenol	196	6.200	6.203	-0.003	91	431749	64.9	
112 1,1'-Biphenyl	154	6.312	6.314	-0.002	95	1673481	63.8	
114 2-Chloronaphthalene	162	6.347	6.344	0.003	98	1262561	63.7	
116 2-Nitroaniline	65	6.429	6.432	-0.003	80	467119	68.9	
119 Dimethyl phthalate	163	6.541	6.543	-0.002	97	1519025	67.6	
120 1,3-Dinitrobenzene	168	6.599	6.602	-0.003	84	261969	69.2	
121 2,6-Dinitrotoluene	165	6.617	6.620	-0.003	89	353664	67.0	
122 Acenaphthylene	152	6.699	6.702	-0.003	92	1976769	62.8	
123 3-Nitroaniline	138	6.776	6.778	-0.002	94	331106	49.8	
124 Acenaphthene	153	6.840	6.843	-0.003	94	1296013	65.4	
126 2,4-Dinitrophenol	184	6.858	6.861	-0.003	82	372230	114.9	
127 4-Nitrophenol	109	6.905	6.908	-0.003	90	512502	127.4	
130 2,4-Dinitrotoluene	165	6.958	6.960	-0.002	85	480416	68.3	
132 Dibenzofuran	168	6.981	6.984	-0.003	88	1829682	65.9	
134 2,3,4,6-Tetrachlorophenol	232	7.081	7.084	-0.003	67	372104	68.6	
136 Hexadecane	57	7.087	7.090	-0.003	94	855239	66.4	
139 Diethyl phthalate	149	7.122	7.125	-0.003	96	1505846	68.0	
142 4-Chlorophenyl phenyl ether	204	7.246	7.248	-0.002	94	713585	66.9	
143 Fluorene	166	7.269	7.272	-0.003	83	1527334	66.4	
146 4-Nitroaniline	138	7.293	7.295	-0.002	79	401608	61.3	
147 4,6-Dinitro-2-methylphenol	198	7.304	7.307	-0.003	86	577663	143.3	
150 N-Nitrosodiphenylamine	169	7.352	7.348	0.004	60	1062070	64.3	
151 1,2-Diphenylhydrazine	77	7.381	7.384	-0.003	98	1684949	67.1	
152 Azobenzene	77	7.381	7.384	-0.003	99	1684949	66.4	
155 2,4,6 - Tribromophenol	330	7.481	7.483	-0.002	94	299982	83.6	
164 4-Bromophenyl phenyl ether	248	7.663	7.666	-0.003	62	446206	68.3	
165 Hexachlorobenzene	284	7.733	7.736	-0.003	92	487474	68.8	
167 Atrazine	200	7.769	7.771	-0.002	90	434051	75.3	
169 n-Octadecane	85	7.851	7.854	-0.003	95	448199	68.0	
171 Pentachlorophenol	266	7.904	7.901	0.003	86	507575	121.4	
176 Phenanthrene	178	8.092	8.094	-0.002	98	2213236	68.4	
177 Anthracene	178	8.133	8.136	-0.003	98	2275182	68.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
178 Carbazole	167	8.268	8.265	0.003	83	2156526	68.8	
181 Di-n-butyl phthalate	149	8.480	8.482	-0.002	100	2548407	70.0	
188 Fluoranthene	202	9.249	9.252	-0.003	98	2432719	71.0	
189 Benzidine	184	9.390	9.393	-0.003	82	33746	1.75	a
191 Pyrene	202	9.549	9.552	-0.003	97	2490676	67.0	
198 Butyl benzyl phthalate	149	10.424	10.427	-0.003	95	1133244	66.0	
203 Bis(2-ethylhexyl) phthalate	149	11.558	11.561	-0.003	96	1527425	68.6	
205 3,3'-Dichlorobenzidine	252	11.588	11.590	-0.002	72	538052	39.9	
206 Benzo[a]anthracene	228	11.635	11.637	-0.002	99	2285878	66.9	
207 Chrysene	228	11.717	11.725	-0.008	95	2164017	67.6	
209 Di-n-octyl phthalate	149	13.286	13.288	-0.002	99	2540751	70.1	
211 Benzo[b]fluoranthene	252	14.461	14.463	-0.002	94	2231722	69.7	
212 Benzo[k]fluoranthene	252	14.543	14.552	-0.009	94	2333519	68.6	
215 Benzo[a]pyrene	252	15.454	15.456	-0.002	75	2131350	67.4	
221 Dibenz(a,h)anthracene	278	19.091	19.099	-0.008	80	2065489	70.5	
222 Indeno[1,2,3-cd]pyrene	276	19.014	19.023	-0.009	95	1992392	68.8	M
223 Benzo[g,h,i]perylene	276	19.631	19.640	-0.009	94	2086343	67.0	

QC Flag Legend

Review Flags
M - Manually Integrated
a - User Assigned ID

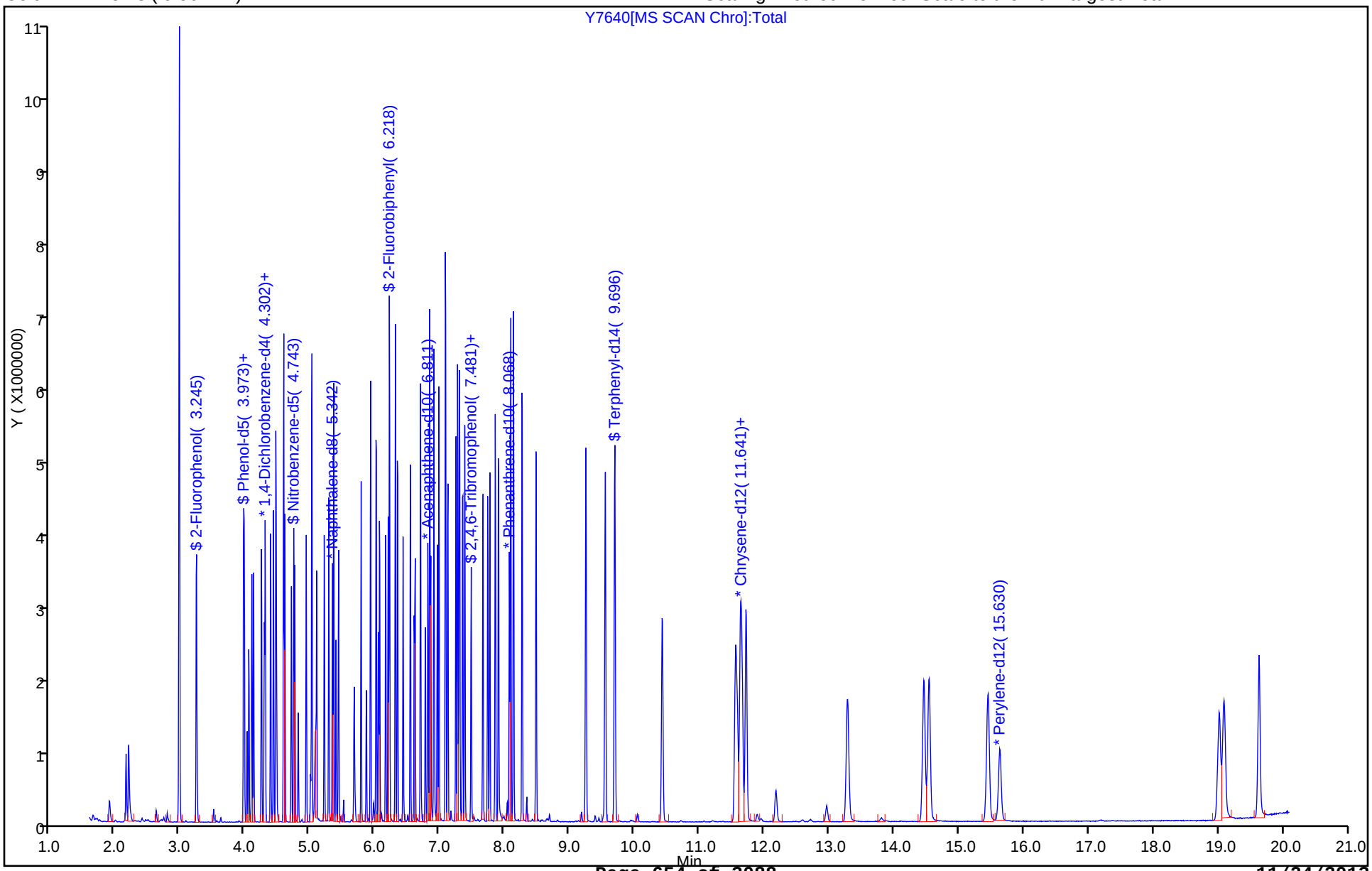
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7640.D

Injection Date:	20-Nov-2013 13:42:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	LCS 280-200642/2-A	Lab Sample ID:	LCS 280-200642/2-A	Worklist Smp#:	6
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

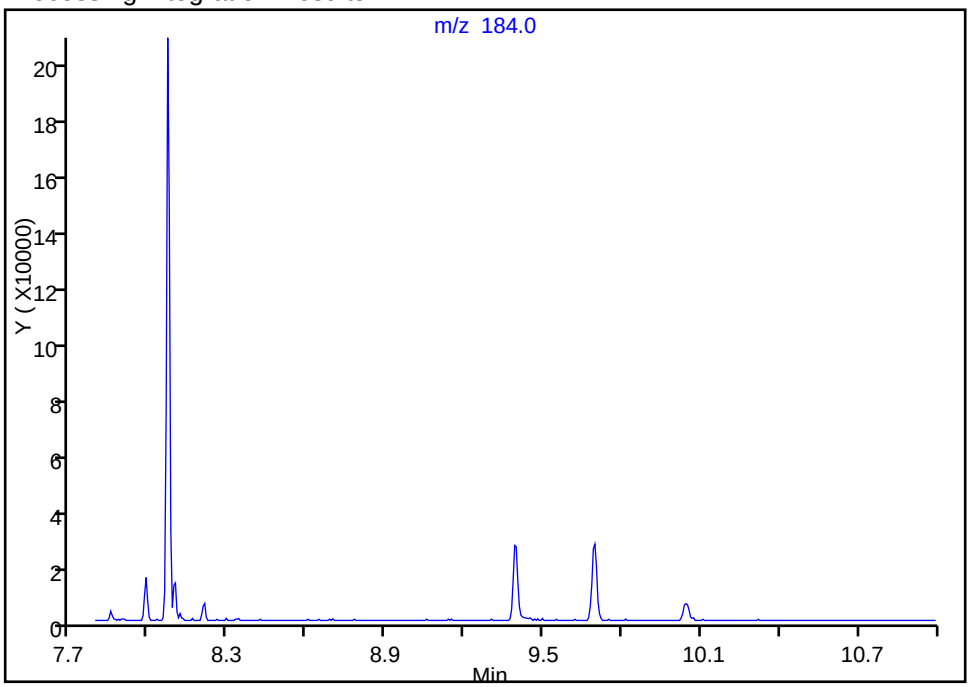
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7640.D				
Injection Date:	20-Nov-2013 13:42:30	Instrument ID:	SMS_Y		
Lims ID:	LCS 280-200642/2-A	Lab Sample ID:	LCS 280-200642/2-A		
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

189 Benzidine, CAS: 92-87-5

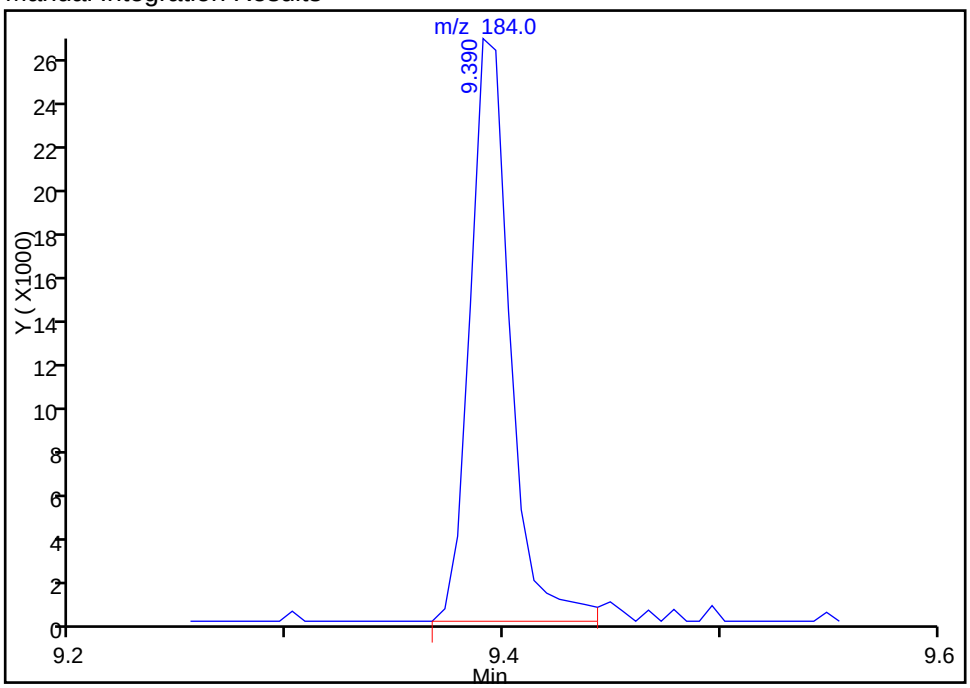
Not Detected
Expected RT: 9.39

Processing Integration Results



Manual Integration Results

RT: 9.39
Response: 33746
Amount: 1.751690



Reviewer: hoffmanm, 21-Nov-2013 08:12:14
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

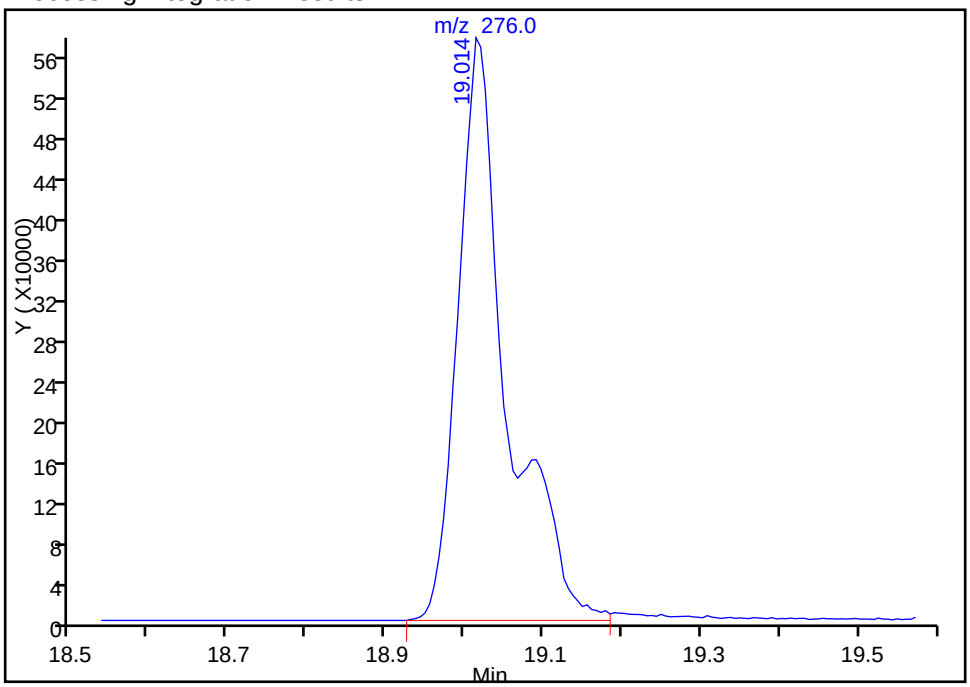
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7640.D				
Injection Date:	20-Nov-2013 13:42:30	Instrument ID:	SMS_Y		
Lims ID:	LCS 280-200642/2-A	Lab Sample ID:	LCS 280-200642/2-A		
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

222 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

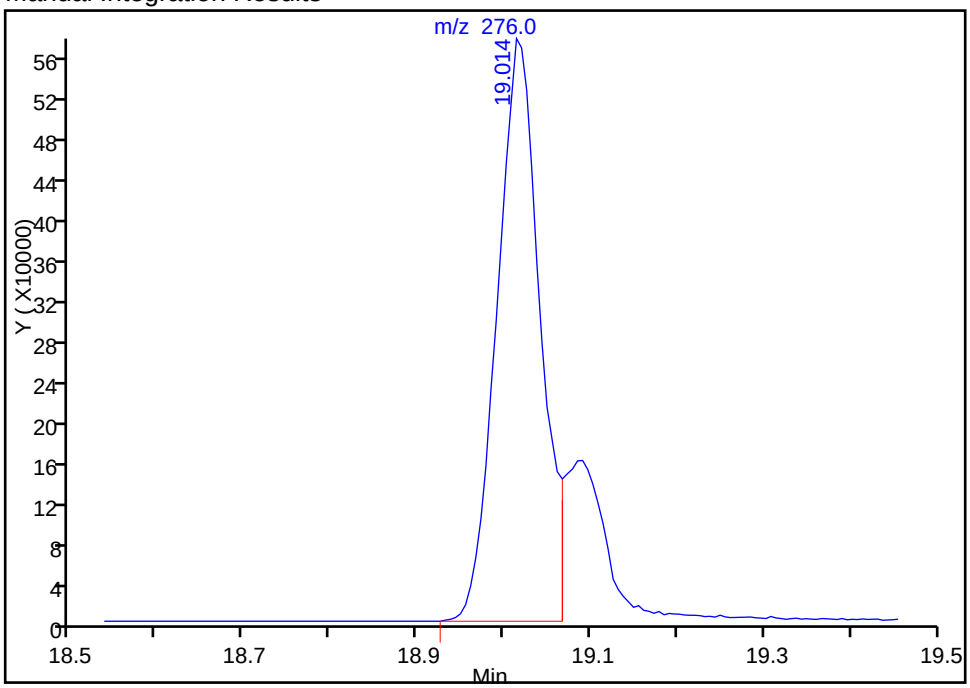
Processing Integration Results

RT: 19.01
Response: 2474499
Amount: 85.399548



Manual Integration Results

RT: 19.01
Response: 1992392
Amount: 68.761142



Reviewer: hoffmanm, 21-Nov-2013 08:12:14
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-199334/3-A

Matrix: Water | Lab File ID: Y7494.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 15:29

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	68.2		10	2.0	1.8
95-94-3	1,2,4,5-Tetrachlorobenzene	62.2		10	2.0	1.7
120-82-1	1,2,4-Trichlorobenzene	50.3		10	1.0	0.28
95-50-1	1,2-Dichlorobenzene	51.5		10	1.0	0.23
122-66-7	1,2-Diphenylhydrazine	81.3		10	1.0	0.23
541-73-1	1,3-Dichlorobenzene	49.0		10	1.0	0.30
106-46-7	1,4-Dichlorobenzene	49.6		10	1.0	0.32
108-60-1	2,2'-oxybis[1-chloropropane]	77.4		10	1.0	0.28
58-90-2	2,3,4,6-Tetrachlorophenol	77.1		50	2.0	2.0
95-95-4	2,4,5-Trichlorophenol	73.0		20	1.0	0.45
88-06-2	2,4,6-Trichlorophenol	71.9		20	1.0	0.29
120-83-2	2,4-Dichlorophenol	71.4		10	2.0	0.64
105-67-9	2,4-Dimethylphenol	57.7		10	4.0	0.58
51-28-5	2,4-Dinitrophenol	157		80	20	10
121-14-2	2,4-Dinitrotoluene	78.2		20	4.0	1.7
606-20-2	2,6-Dinitrotoluene	76.0		20	4.0	1.9
91-58-7	2-Chloronaphthalene	66.5		10	1.0	0.26
95-57-8	2-Chlorophenol	72.6		10	4.0	2.0
91-57-6	2-Methylnaphthalene	63.1		10	1.0	0.29
95-48-7	2-Methylphenol	71.2		10	4.0	0.98
88-74-4	2-Nitroaniline	85.6		50	4.0	1.7
88-75-5	2-Nitrophenol	74.5		20	1.0	0.39
15831-10-4	3 & 4 Methylphenol	72.7		20	1.0	0.25
91-94-1	3,3'-Dichlorobenzidine	50.7		50	10	2.0
99-09-2	3-Nitroaniline	61.1		50	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	163		80	10	4.0
101-55-3	4-Bromophenyl phenyl ether	72.4		10	1.0	0.43
59-50-7	4-Chloro-3-methylphenol	75.7		20	5.0	2.4
106-47-8	4-Chloroaniline	54.6		25	5.0	2.1
7005-72-3	4-Chlorophenyl phenyl ether	73.8		10	4.0	1.7
100-01-6	4-Nitroaniline	72.9		50	4.0	2.0
100-02-7	4-Nitrophenol	155		50	10	1.2
83-32-9	Acenaphthene	72.3		10	1.0	0.28
208-96-8	Acenaphthylene	69.5		10	1.0	0.49

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-199334/3-A

Matrix: Water | Lab File ID: Y7494.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 15:29

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-86-2	Acetophenone	71.7		10	5.0	0.24
120-12-7	Anthracene	74.1		10	1.0	0.42
1912-24-9	Atrazine	79.1		50	10	0.73
92-87-5	Benzidine	100	U	200	100	50
56-55-3	Benzo[a]anthracene	76.3		10	1.0	0.35
50-32-8	Benzo[a]pyrene	75.2		10	1.0	0.31
205-99-2	Benzo[b]fluoranthene	77.4		10	1.0	0.53
191-24-2	Benzo[g,h,i]perylene	74.7		10	1.0	0.50
207-08-9	Benzo[k]fluoranthene	77.0		10	1.0	0.46
65-85-0	Benzoic acid	59.8	J	80	50	10
100-51-6	Benzyl alcohol	72.5		25	1.0	0.23
111-91-1	Bis(2-chloroethoxy)methane	75.6		10	4.0	0.97
111-44-4	Bis(2-chloroethyl)ether	75.8		20	1.0	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	79.3		10	1.0	0.56
85-68-7	Butyl benzyl phthalate	76.1		20	4.0	1.0
105-60-2	Caprolactam	79.7		35	10	5.0
86-74-8	Carbazole	76.3		10	1.0	0.43
218-01-9	Chrysene	75.4		10	1.0	0.54
53-70-3	Dibenz(a,h)anthracene	77.7		10	1.0	0.51
132-64-9	Dibenzofuran	74.1		10	1.0	0.29
84-66-2	Diethyl phthalate	77.7		20	1.0	0.38
131-11-3	Dimethyl phthalate	75.6		20	1.0	0.21
84-74-2	Di-n-butyl phthalate	77.3		20	4.0	1.2
117-84-0	Di-n-octyl phthalate	82.1		20	1.0	0.35
206-44-0	Fluoranthene	78.2		20	1.0	0.20
86-73-7	Fluorene	76.5		10	1.0	0.31
118-74-1	Hexachlorobenzene	71.7		10	1.0	0.66
87-68-3	Hexachlorobutadiene	46.2		30	10	3.3
77-47-4	Hexachlorocyclopentadiene	14.6	J	50	20	10
67-72-1	Hexachloroethane	48.1		10	4.0	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	75.1	M	10	1.0	0.65
78-59-1	Isophorone	71.6		10	1.0	0.21
91-20-3	Naphthalene	62.4		10	1.0	0.29
98-95-3	Nitrobenzene	77.6		20	2.0	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-199334/3-A

Matrix: Water | Lab File ID: Y7494.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/05/2013 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 11/14/2013 15:29

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201071 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
62-75-9	N-Nitrosodimethylamine	71.1		10	1.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	75.7		20	1.0	0.35
86-30-6	N-Nitrosodiphenylamine	74.5		10	1.0	0.44
87-86-5	Pentachlorophenol	140		80	40	20
85-01-8	Phenanthrene	75.9		10	1.0	0.26
108-95-2	Phenol	73.7		10	5.0	2.0
129-00-0	Pyrene	77.0		10	1.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		40-125
321-60-8	2-Fluorobiphenyl	89		50-110
367-12-4	2-Fluorophenol (Surr)	88		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	97		40-110
4165-62-2	Phenol-d5 (Surr)	92		10-115
1718-51-0	Terphenyl-d14 (Surr)	95		50-135

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7494.D
Lims ID: LCSD 280-199334/3-A Lab Sample ID: LCSD 280-199334/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 14-Nov-2013 15:29:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: lcsd280-199334_3-a
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 17-Nov-2013 12:32:54 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK026

First Level Reviewer: williamst Date: 17-Nov-2013 12:20:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.308	4.308	0.0	98	182334	40.0	
* 2 Naphthalene-d8	136	5.359	5.360	-0.001	100	722493	40.0	
* 3 Acenaphthene-d10	164	6.834	6.828	0.006	93	405141	40.0	
* 4 Phenanthrene-d10	188	8.091	8.086	0.005	97	679456	40.0	
* 5 Chrysene-d12	240	11.705	11.693	0.012	93	691849	40.0	
* 6 Perylene-d12	264	15.694	15.689	0.005	97	635947	40.0	
$ 7 2-Fluorophenol	112	3.262	3.262	0.0	93	587592	87.8	
$ 8 Phenol-d5	99	3.990	3.990	0.0	93	792991	92.1	
$ 9 Nitrobenzene-d5	82	4.766	4.766	0.0	89	737427	96.7	
$ 11 2-Fluorobiphenyl	172	6.241	6.241	0.001	99	1152513	89.5	
$ 12 2,4,6-Tribromophenol	330	7.498	7.498	0.0	90	188066	90.3	
$ 13 Terphenyl-d14	244	9.725	9.719	0.006	98	1335635	95.4	
27 1,4-Dioxane	88	1.934	1.934	0.0	95	187511	59.4	
28 N-Nitrosodimethylamine	74	2.187	2.186	0.001	88	323851	71.1	
29 Pyridine	79	2.228	2.228	0.0	96	466871	59.0	
40 Phenol	94	4.002	4.002	0.0	99	654006	73.7	
43 Aniline	93	4.043	4.043	0.0	97	547853	48.2	
45 Bis(2-chloroethyl)ether	93	4.073	4.072	0.001	95	498440	75.8	
47 n-Decane	43	4.120	4.114	0.006	87	294217	50.7	
48 2-Chlorophenol	128	4.143	4.143	0.0	97	511573	72.6	
49 1,3-Dichlorobenzene	146	4.267	4.266	0.0	95	365232	49.0	
50 1,4-Dichlorobenzene	146	4.325	4.325	0.0	92	375379	49.6	
51 Benzyl alcohol	108	4.408	4.407	0.001	90	345851	72.5	
52 1,2-Dichlorobenzene	146	4.455	4.448	0.007	95	370939	51.5	
54 2-Methylphenol	108	4.490	4.484	0.006	95	478785	71.2	
55 2,2'-oxybis[1-chloropropane]	45	4.496	4.496	0.0	90	589946	77.4	
58 3-Methylphenol	108	4.607	4.607	0.0	88	504710	72.7	
59 4-Methylphenol	108	4.607	4.607	0.0	88	504710	72.7	
60 3 & 4 Methylphenol	108	4.607	4.607	0.0	88	504710	72.7	
61 N-Nitrosodi-n-propylamine	70	4.607	4.607	0.0	82	390844	75.7	
63 Acetophenone	105	4.631	4.625	0.006	96	707774	71.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
66 Hexachloroethane	117	4.725	4.725	0.0	98	148794	48.1	
67 Nitrobenzene	77	4.784	4.778	0.006	87	583668	77.6	
71 Isophorone	82	4.960	4.960	0.0	97	931861	71.6	
73 2,4-Dimethylphenol	107	5.042	5.042	0.0	89	400264	57.7	
74 2-Nitrophenol	139	5.042	5.042	0.0	96	264514	74.5	
77 Benzoic acid	105	5.107	5.124	-0.017	86	336453	59.8	
78 Bis(2-chloroethoxy)methane	93	5.118	5.112	0.006	99	598126	75.6	
82 2,4-Dichlorophenol	162	5.236	5.236	0.0	96	397479	71.4	
84 1,2,4-Trichlorobenzene	180	5.306	5.306	0.0	93	296081	50.3	
87 Naphthalene	128	5.377	5.377	0.0	98	1152669	62.4	
88 4-Chloroaniline	127	5.412	5.412	0.0	83	475096	54.6	
91 Hexachlorobutadiene	225	5.453	5.453	0.0	97	153715	46.2	
94 Caprolactam	55	5.700	5.706	-0.006	74	224617	79.7	
97 4-Chloro-3-methylphenol	107	5.800	5.800	0.0	94	463675	75.7	
101 2-Methylnaphthalene	142	5.947	5.947	0.0	89	787830	63.1	
103 1-Methylnaphthalene	142	6.035	6.035	0.0	90	753137	64.5	
105 Hexachlorocyclopentadiene	237	6.070	6.064	0.006	93	51997	14.6	
106 1,2,4,5-Tetrachlorobenzene	216	6.088	6.088	0.0	97	342040	62.2	
108 2,4,6-Trichlorophenol	196	6.182	6.182	0.0	92	262454	71.9	
110 2,4,5-Trichlorophenol	196	6.217	6.217	0.0	89	281803	73.0	
112 1,1'-Biphenyl	154	6.329	6.329	0.0	95	1037535	68.2	
114 2-Chloronaphthalene	162	6.364	6.364	0.0	99	764504	66.5	
116 2-Nitroaniline	65	6.452	6.452	0.0	79	336448	85.6	
119 Dimethyl phthalate	163	6.564	6.564	0.0	97	986052	75.6	
120 1,3-Dinitrobenzene	168	6.623	6.622	0.001	83	171712	78.2	
121 2,6-Dinitrotoluene	165	6.634	6.634	0.0	85	232695	76.0	
122 Acenaphthylene	152	6.722	6.716	0.006	91	1267934	69.5	
123 3-Nitroaniline	138	6.793	6.793	0.0	92	235773	61.1	
124 Acenaphthene	153	6.863	6.857	0.006	93	830952	72.3	
126 2,4-Dinitrophenol	184	6.875	6.875	0.0	74	298425	156.9	
127 4-Nitrophenol	109	6.928	6.928	0.0	91	361579	155.0	
130 2,4-Dinitrotoluene	165	6.981	6.975	0.006	85	319129	78.2	
132 Dibenzofuran	168	7.004	7.004	0.0	88	1191778	74.1	
134 2,3,4,6-Tetrachlorophenol	232	7.104	7.098	0.006	77	242598	77.1	
136 Hexadecane	57	7.104	7.104	0.0	94	628133	84.1	
139 Diethyl phthalate	149	7.140	7.139	0.001	96	997142	77.7	
142 4-Chlorophenyl phenyl ether	204	7.263	7.263	0.0	98	456342	73.8	
143 Fluorene	166	7.292	7.292	0.0	83	1020442	76.5	
146 4-Nitroaniline	138	7.316	7.316	0.0	76	277021	72.9	
147 4,6-Dinitro-2-methylphenol	198	7.322	7.322	0.0	72	389879	163.3	
150 N-Nitrosodiphenylamine	169	7.369	7.369	0.0	61	729024	74.5	
151 1,2-Diphenylhydrazine	77	7.404	7.398	0.006	99	1183574	81.3	
152 Azobenzene	77	7.404	7.398	0.006	99	1183574	80.4	
155 2,4,6 - Tribromophenol	330	7.498	7.498	0.0	90	188066	90.3	
164 4-Bromophenyl phenyl ether	248	7.680	7.680	0.0	66	280022	72.4	
165 Hexachlorobenzene	284	7.757	7.756	0.001	94	300846	71.7	
167 Atrazine	200	7.786	7.786	0.0	88	270198	79.1	
169 n-Octadecane	85	7.868	7.868	0.0	95	316973	81.2	
171 Pentachlorophenol	266	7.921	7.921	0.0	90	348277	140.1	
176 Phenanthrene	178	8.109	8.109	0.0	98	1453881	75.9	
177 Anthracene	178	8.150	8.150	0.0	98	1468588	74.1	
178 Carbazole	167	8.285	8.285	0.0	83	1417041	76.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
181 Di-n-butyl phthalate	149	8.503	8.497	0.006	100	1666777	77.3	
188 Fluoranthene	202	9.278	9.272	0.006	98	1587415	78.2	
189 Benzidine	184	9.419	9.419	0.0	99	401782	34.1	
191 Pyrene	202	9.578	9.578	0.0	97	1613334	77.0	
198 Butyl benzyl phthalate	149	10.459	10.459	0.0	95	736326	76.1	
203 Bis(2-ethylhexyl) phthalate	149	11.599	11.593	0.006	98	994630	79.3	
205 3,3'-Dichlorobenzidine	252	11.628	11.628	0.0	71	385665	50.7	
206 Benzo[a]anthracene	228	11.675	11.675	0.0	99	1470032	76.3	
207 Chrysene	228	11.764	11.763	0.001	94	1360892	75.4	
209 Di-n-octyl phthalate	149	13.332	13.326	0.006	100	1675983	82.1	
211 Benzo[b]fluoranthene	252	14.525	14.519	0.006	93	1396781	77.4	
212 Benzo[k]fluoranthene	252	14.601	14.601	0.0	99	1476898	77.0	
215 Benzo[a]pyrene	252	15.518	15.512	0.006	75	1340277	75.2	
221 Dibenz(a,h)anthracene	278	19.155	19.143	0.012	68	1283171	77.7	
222 Indeno[1,2,3-cd]pyrene	276	19.084	19.078	0.006	95	1226104	75.1	M
223 Benzo[g,h,i]perylene	276	19.678	19.678	0.0	90	1309541	74.7	

QC Flag Legend

Review Flags
M - Manually Integrated

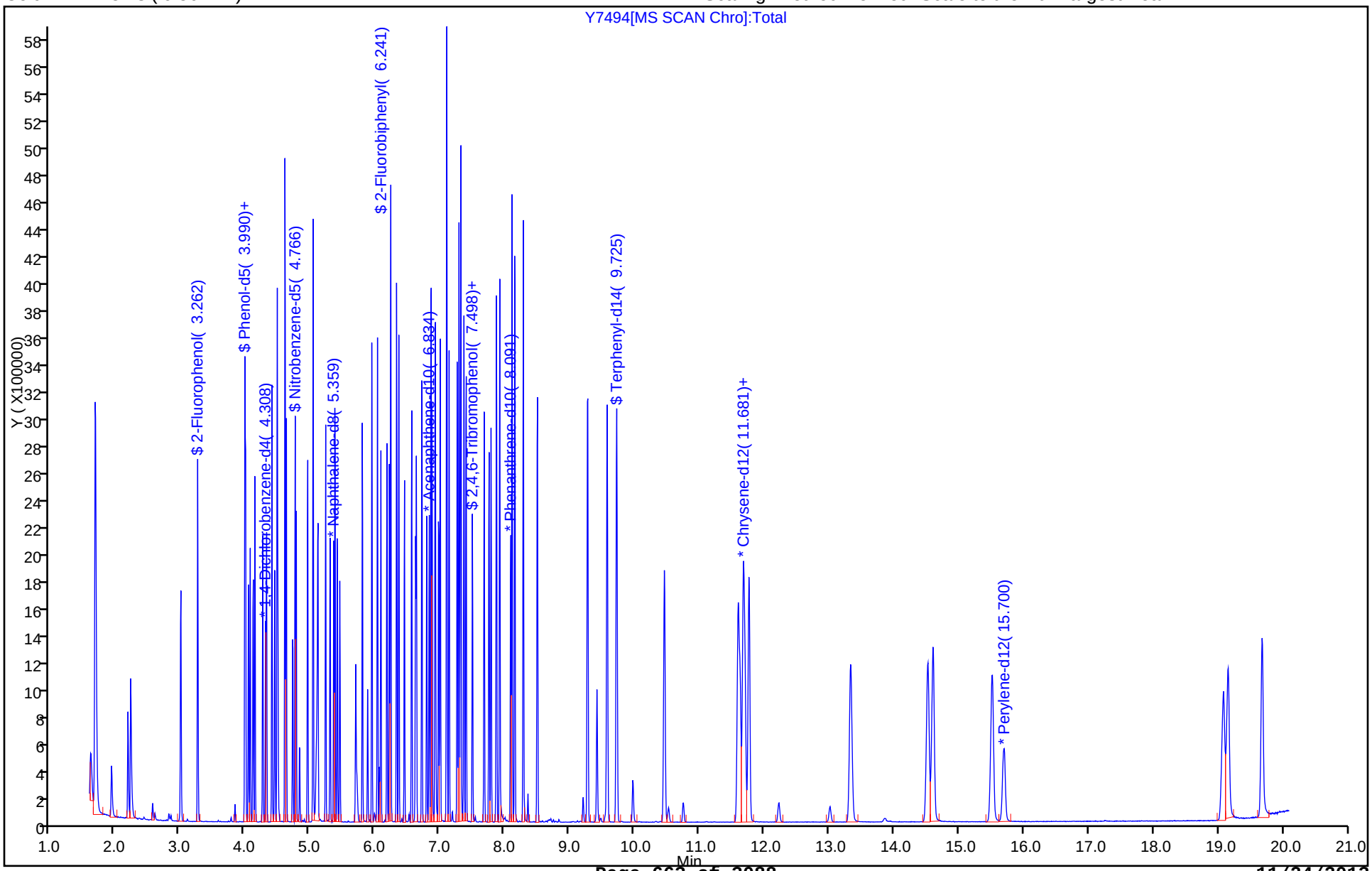
Report Date: 17-Nov-2013 12:32:56 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7494.D

Injection Date:	14-Nov-2013 15:29:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	LCSD 280-199334/3-A	Lab Sample ID:	LCSD 280-199334/3-A	Worklist Smp#:	7
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

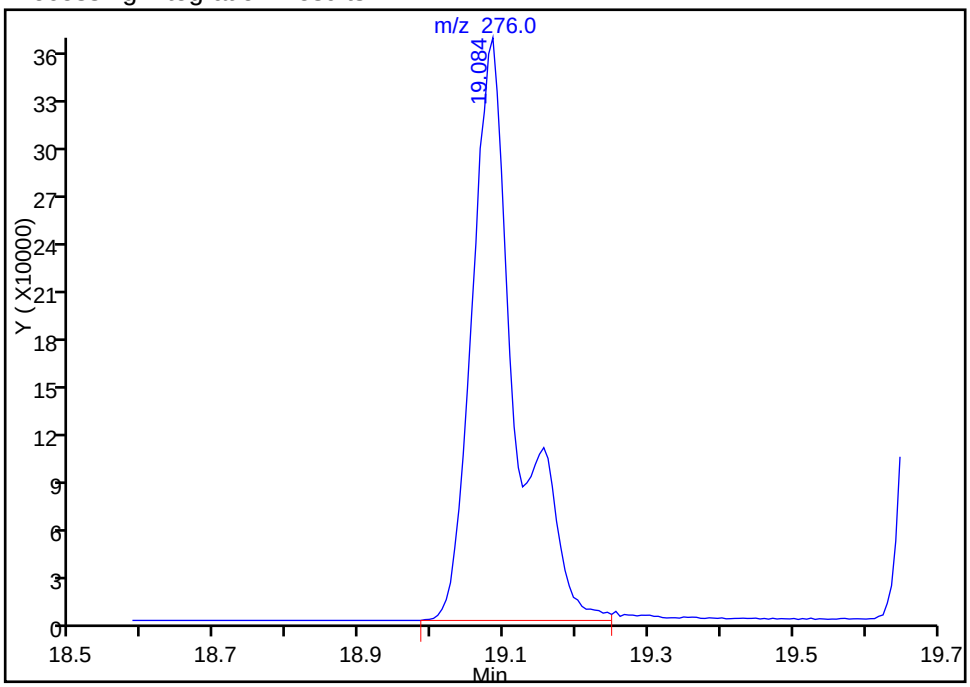
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131114-17447.b\Y7494.D				
Injection Date:	14-Nov-2013 15:29:30	Instrument ID:	SMS_Y		
Lims ID:	LCSD 280-199334/3-A	Lab Sample ID:	LCSD 280-199334/3-A		
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

222 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

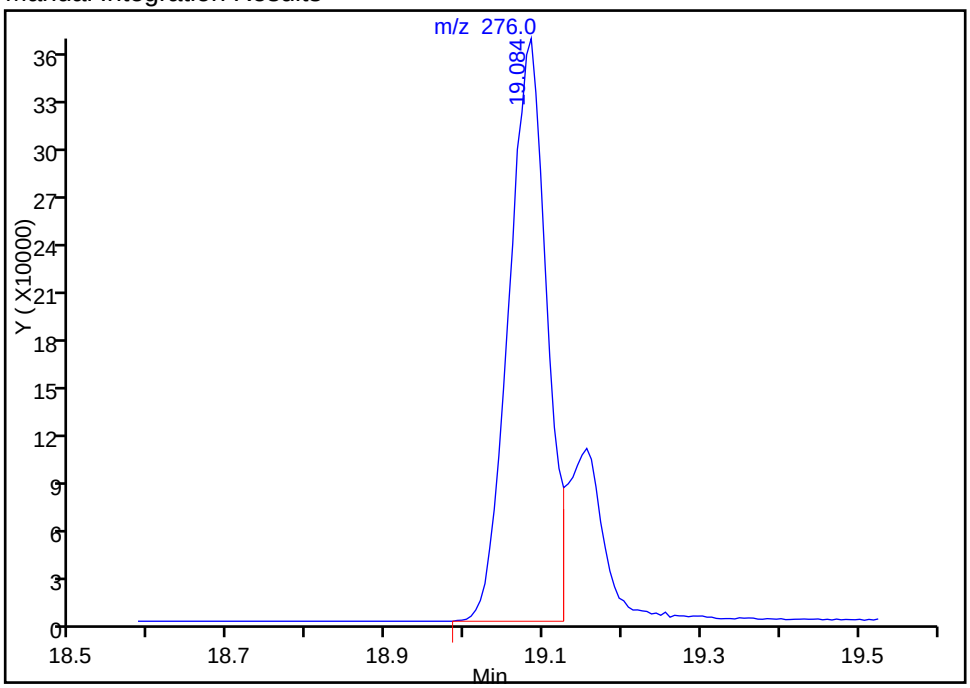
Processing Integration Results

RT: 19.08
Response: 1546541
Amount: 94.699656



Manual Integration Results

RT: 19.08
Response: 1226104
Amount: 75.078273



Reviewer: williamst, 17-Nov-2013 12:20:31
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA MS | Lab Sample ID: 280-48651-1 MS

Matrix: Solid | Lab File ID: Y7642.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.8(g) | Date Analyzed: 11/20/2013 14:37

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	2420		390	200	59
95-94-3	1,2,4,5-Tetrachlorobenzene	2440		390	79	58
120-82-1	1,2,4-Trichlorobenzene	2310		390	39	33
95-50-1	1,2-Dichlorobenzene	2180		390	39	26
122-66-7	1,2-Diphenylhydrazine	2600		390	39	26
541-73-1	1,3-Dichlorobenzene	2160		390	39	14
106-46-7	1,4-Dichlorobenzene	2230		390	39	16
108-60-1	2,2'-oxybis[1-chloropropane]	2280		390	39	27
58-90-2	2,3,4,6-Tetrachlorophenol	2790		1900	200	160
95-95-4	2,4,5-Trichlorophenol	2580		390	150	12
88-06-2	2,4,6-Trichlorophenol	2540		390	78	12
120-83-2	2,4-Dichlorophenol	2470		390	78	12
105-67-9	2,4-Dimethylphenol	2530		390	150	78
51-28-5	2,4-Dinitrophenol	5260		1900	790	390
121-14-2	2,4-Dinitrotoluene	2600		390	150	78
87-65-0	2,6-Dichlorophenol	150	U	390	150	82
606-20-2	2,6-Dinitrotoluene	2570		390	78	33
91-58-7	2-Chloronaphthalene	2440		390	39	12
95-57-8	2-Chlorophenol	2390		390	39	25
91-57-6	2-Methylnaphthalene	2460		390	39	22
95-48-7	2-Methylphenol	2420		390	39	15
88-74-4	2-Nitroaniline	2670		1900	78	59
88-75-5	2-Nitrophenol	2420		390	78	12
15831-10-4	3 & 4 Methylphenol	2460		390	78	39
91-94-1	3,3'-Dichlorobenzidine	1770	J	1900	390	110
99-09-2	3-Nitroaniline	2250		1900	160	86
534-52-1	4,6-Dinitro-2-methylphenol	5840		1900	780	390
101-55-3	4-Bromophenyl phenyl ether	2620		390	39	22
59-50-7	4-Chloro-3-methylphenol	2620		390	150	78
106-47-8	4-Chloroaniline	1920		390	150	97
7005-72-3	4-Chlorophenyl phenyl ether	2590		390	78	25
100-01-6	4-Nitroaniline	2430		1900	150	86
100-02-7	4-Nitrophenol	5200		1900	390	110
83-32-9	Acenaphthene	2510		390	20	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA MS | Lab Sample ID: 280-48651-1 MS

Matrix: Solid | Lab File ID: Y7642.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.8(g) | Date Analyzed: 11/20/2013 14:37

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	2410		390	39	20
98-86-2	Acetophenone	2250		390	39	24
120-12-7	Anthracene	2560		390	39	20
1912-24-9	Atrazine	2910		390	150	44
100-52-7	Benzaldehyde	79	U	390	79	46
92-87-5	Benzidine	4700	U	4700	4700	1200
56-55-3	Benzo[a]anthracene	2530		390	39	24
50-32-8	Benzo[a]pyrene	2550		390	39	24
205-99-2	Benzo[b]fluoranthene	2670		390	39	31
191-24-2	Benzo[g,h,i]perylene	2540		390	39	19
207-08-9	Benzo[k]fluoranthene	2700		390	78	47
65-85-0	Benzoic acid	2310		1900	780	390
100-51-6	Benzyl alcohol	2370		390	39	12
111-91-1	Bis(2-chloroethoxy)methane	2400		390	78	27
111-44-4	Bis(2-chloroethyl)ether	2410		390	39	20
117-81-7	Bis(2-ethylhexyl) phthalate	2690		390	78	54
85-68-7	Butyl benzyl phthalate	2590		390	78	51
105-60-2	Caprolactam	2510	M	1900	390	130
86-74-8	Carbazole	2600		390	79	43
218-01-9	Chrysene	2530		390	39	32
53-70-3	Dibenz(a,h)anthracene	2610		390	39	22
132-64-9	Dibenzofuran	2540		390	39	24
84-66-2	Diethyl phthalate	2640		780	39	31
131-11-3	Dimethyl phthalate	2810		390	39	27
84-74-2	Di-n-butyl phthalate	2690		390	39	34
117-84-0	Di-n-octyl phthalate	2770		390	78	17
206-44-0	Fluoranthene	2690		390	78	43
86-73-7	Fluorene	2560		390	39	21
118-74-1	Hexachlorobenzene	2640		390	78	34
87-68-3	Hexachlorobutadiene	2350		390	78	12
77-47-4	Hexachlorocyclopentadiene	1940	J	2000	78	59
67-72-1	Hexachloroethane	2180		390	39	25
193-39-5	Indeno[1,2,3-cd]pyrene	2600		390	39	26
78-59-1	Isophorone	2270		390	39	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA MS | Lab Sample ID: 280-48651-1 MS

Matrix: Solid | Lab File ID: Y7642.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 30.8(g) | Date Analyzed: 11/20/2013 14:37

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	2410		390	78	37
98-95-3	Nitrobenzene	2380		390	39	26
62-75-9	N-Nitrosodimethylamine	2080		620	78	44
621-64-7	N-Nitrosodi-n-propylamine	2400		390	78	37
86-30-6	N-Nitrosodiphenylamine	2460		390	39	25
930-55-2	N-Nitrosopyrrolidine	150	U	390	150	76
87-86-5	Pentachlorophenol	5190		1900	790	390
85-01-8	Phenanthrene	2640		390	39	20
108-95-2	Phenol	2420		390	39	21
129-00-0	Pyrene	2580		470	39	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	80		35-125
321-60-8	2-Fluorobiphenyl	79		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	76		35-100
4165-62-2	Phenol-d5 (Surr)	77		40-100
1718-51-0	Terphenyl-d14 (Surr)	86		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7642.D
Lims ID: 280-48651-A-1-F MS Lab Sample ID: 280-48651-1
Client ID:
Sample Type: MS
Inject. Date: 20-Nov-2013 14:37:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-1-fms
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:13:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.287	4.287	0.0	98	303526	40.0	
* 2 Naphthalene-d8	136	5.339	5.339	0.0	100	1232864	40.0	
* 3 Acenaphthene-d10	164	6.814	6.814	0.0	92	714945	40.0	
* 4 Phenanthrene-d10	188	8.071	8.071	0.0	97	1174329	40.0	
* 5 Chrysene-d12	240	11.661	11.655	0.006	97	1240324	40.0	
* 6 Perylene-d12	264	15.633	15.627	0.006	98	1097176	40.0	
$ 7 2-Fluorophenol	112	3.241	3.241	0.0	93	836672	75.1	
$ 8 Phenol-d5	99	3.970	3.970	0.0	95	1107272	77.2	
$ 9 Nitrobenzene-d5	82	4.745	4.745	0.0	88	988355	76.0	
$ 10 2,4,6-Trichlorophenol-d2	198		6.225					
$ 11 2-Fluorobiphenyl	172	6.220	6.220	0.0	100	1799545	79.2	
$ 12 2,4,6-Tribromophenol	330	7.483	7.483	0.0	91	294544	80.2	
$ 13 Terphenyl-d14	244	9.693	9.698	-0.005	98	2148115	85.6	
25 Triethyl amine	86		1.954					
26 2-Ethoxyethanol	59		2.124					
27 1,4-Dioxane	88	1.902	1.908	-0.006	94	160490	30.5	
28 N-Nitrosodimethylamine	74	2.160	2.160	0.0	91	400511	52.8	
29 Pyridine	79	2.195	2.201	-0.006	97	472809	35.9	
30 Dimethylformamide	73		2.653					
31 2-Picoline	93		2.786					
32 N-Nitrosomethylethylamine	88		2.874					
33 Acrylamide	71		3.079					
34 Methyl methanesulfonate	80		3.109					
35 N-Nitrosodiethylamine	102		3.426					
36 Pentachlorophenol_T	266		3.708					
37 Ethyl methanesulfonate	79		3.649					
39 Benzaldehyde	106		3.947					
40 Phenol	94	3.982	3.982	0.0	98	906759	61.4	
41 Methyl styrene	118		4.360					
42 Phenylmercaptan	110		4.043					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
43 Aniline	93	4.023	4.023	0.0	96	663455	35.1	
44 Alpha Methyl Styrene	118		4.046					
45 Bis(2-chloroethyl)ether	93	4.052	4.052	0.0	97	669566	61.1	
46 Pentachloroethane	117		4.066					
47 n-Decane	43	4.099	4.099	0.0	87	440196	45.5	
48 2-Chlorophenol	128	4.123	4.123	0.0	96	709964	60.5	
49 1,3-Dichlorobenzene	146	4.246	4.246	0.0	96	680503	54.9	
50 1,4-Dichlorobenzene	146	4.305	4.305	0.0	93	713125	56.6	
51 Benzyl alcohol	108	4.387	4.387	0.0	90	477609	60.2	
52 1,2-Dichlorobenzene	146	4.434	4.434	0.0	95	663136	55.3	
53 Benzidine_T	184		4.805					
54 2-Methylphenol	108	4.469	4.469	0.0	95	686740	61.4	
55 2,2'-oxybis[1-chloropropane]	45	4.475	4.475	0.0	90	733831	57.8	
56 Indene	116		4.499					
58 3-Methylphenol	108	4.593	4.593	0.0	93	719065	62.2	
59 4-Methylphenol	108	4.593	4.593	0.0	93	719065	62.2	
60 3 & 4 Methylphenol	108	4.593	4.593	0.0	93	719065	62.2	
61 N-Nitrosodi-n-propylamine	70	4.587	4.587	0.0	80	522543	60.8	
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105	4.604	4.610	-0.006	94	938499	57.1	
64 N-Nitrosomorpholine	116		4.625					
65 2-Toluidine	106		4.642					
66 Hexachloroethane	117	4.704	4.704	0.0	96	284448	55.3	
67 Nitrobenzene	77	4.763	4.763	0.0	87	773687	60.3	
69 Triethyl phosphate	99		4.880					
70 N-Nitrosopiperidine	114		4.883					
71 Isophorone	82	4.939	4.939	0.0	97	1275730	57.4	
73 2,4-Dimethylphenol	107	5.022	5.027	-0.005	93	758879	64.1	
74 2-Nitrophenol	139	5.022	5.022	0.0	96	371152	61.2	
75 Benzyl dichloride	125		5.121					
76 o,o',o''-Triethylphosphorothioat	198		5.054					
77 Benzoic acid	105	5.080	5.104	-0.024	86	562533	58.6	
78 Bis(2-chloroethoxy)methane	93	5.098	5.098	0.0	98	820172	60.8	
79 3,5-Dimethylphenol	107		5.133					
80 2,4-Xylidine	121		5.274					
81 alpha,alpha-Dimethyl phenethylam	58		5.165					
82 2,4-Dichlorophenol	162	5.215	5.215	0.0	95	595221	62.7	
83 o-Anisidine	80		5.310					
84 1,2,4-Trichlorobenzene	180	5.286	5.286	0.0	93	587121	58.5	
85 Alpha-Terpineol	59		5.383					
86 4-chlorobenzenethiol	144		5.946					
87 Naphthalene	128	5.356	5.362	-0.006	98	1925669	61.1	
88 4-Chloroaniline	127	5.398	5.398	0.0	86	723024	48.7	
89 2,6-Dichlorophenol	162		5.400					
90 Hexachloropropene	213		5.424					
91 Hexachlorobutadiene	225	5.433	5.433	0.0	97	338499	59.6	
92 Quinoline	129		5.635					
93 N-Nitrosodi-n-butylamine	84		5.635					
94 Caprolactam	55	5.691	5.686	0.005	80	306427	63.7	M
95 p-Phenylene diamine	108		5.688					
96 5-Methyl-o-Anisidine	122		5.821					
97 4-Chloro-3-methylphenol	107	5.785	5.785	0.0	93	694657	66.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
98 Safrole, Total	162		5.835					
99 Carbofuran phenol	164		5.920					
100 1,3-phenylenediamine	108		5.950					
101 2-Methylnaphthalene	142	5.926	5.932	-0.006	89	1326725	62.2	
102 Phthalic anhydride	76		6.035					
103 1-Methylnaphthalene	142	6.015	6.015	-0.001	89	1261080	63.3	
104 Methyl 4-chlorophenyl sulfide	158		6.753					
105 Hexachlorocyclopentadiene	237	6.050	6.050	0.0	91	309665	49.2	
106 1,2,4,5-Tetrachlorobenzene	216	6.067	6.067	0.0	98	579760	61.8	
107 Isosafrole Peak 1	162		6.082					
108 2,4,6-Trichlorophenol	196	6.161	6.161	0.0	93	414664	64.4	
109 2,3-Dichlorobenzenamine	161		6.173					
110 2,4,5-Trichlorophenol	196	6.203	6.203	0.0	92	446020	65.5	
111 Isosafrole Peak 2	104		6.270					
112 1,1'-Biphenyl	154	6.308	6.314	-0.006	95	1645563	61.3	
113 Toluene diamine (2,4- + 2,6- iso	122		6.390					
114 2-Chloronaphthalene	162	6.344	6.344	0.0	99	1255973	61.9	
115 1-Chloronaphthalene	162		6.370					
116 2-Nitroaniline	65	6.432	6.432	0.0	84	469453	67.7	
117 1,4-Naphthoquinone	158		6.493					
118 1,4-Dinitrobenzene	168		6.540					
119 Dimethyl phthalate	163	6.543	6.543	0.0	97	1635577	71.1	
120 1,3-Dinitrobenzene	168	6.602	6.602	0.0	85	261101	67.4	
121 2,6-Dinitrotoluene	165	6.614	6.620	-0.006	88	351749	65.1	
122 Acenaphthylene	152	6.702	6.702	0.0	92	1964166	61.0	
123 3-Nitroaniline	138	6.772	6.778	-0.006	93	387621	56.9	
124 Acenaphthene	153	6.843	6.843	0.0	94	1291205	63.7	
125 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.686					
126 2,4-Dinitrophenol	184	6.855	6.861	-0.006	77	444853	133.3	
127 4-Nitrophenol	109	6.908	6.908	0.0	90	542564	131.8	
128 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.791					
129 Pentachlorobenzene	250		6.945					
130 2,4-Dinitrotoluene	165	6.960	6.960	0.0	90	475266	66.0	
131 n-hydroxymethylphthalimide	147		7.846					
132 Dibenzofuran	168	6.984	6.984	0.0	89	1830237	64.4	
133 1-Naphthylamine	143		7.057					
134 2,3,4,6-Tetrachlorophenol	232	7.084	7.084	0.0	74	392125	70.7	
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.968					
136 Hexadecane	57	7.084	7.090	-0.006	93	881155	66.8	
137 2-Naphthylamine	143		7.122					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.003					
139 Diethyl phthalate	149	7.119	7.125	-0.006	96	1515922	66.9	
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.073					
141 Thionazin	97		7.192					
142 4-Chlorophenyl phenyl ether	204	7.248	7.248	0.0	94	718050	65.8	
143 Fluorene	166	7.272	7.272	0.0	83	1525730	64.8	
144 Tributyl phosphate	99		7.330					
145 N-Nitro-o-toluidine	152		7.280					
146 4-Nitroaniline	138	7.295	7.295	0.0	77	413463	61.6	
147 4,6-Dinitro-2-methylphenol	198	7.301	7.307	-0.006	78	610494	147.9	
148 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.209					
149 Diphenylamine	169		7.351					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
150 N-Nitrosodiphenylamine	169	7.348	7.348	0.0	61	1054845	62.4	
151 1,2-Diphenylhydrazine	77	7.383	7.384	-0.001	98	1691395	65.8	
152 Azobenzene	77	7.383	7.384	-0.001	99	1691395	65.1	
153 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.303					
154 Sulfotepp	97		7.427					
155 2,4,6 - Tribromophenol	330	7.483	7.483	0.0	91	294544	80.2	
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.402					
157 Phenyl sulfide	186		8.475					
158 Diallate Peak 1	86		7.562					
159 1,3,5-Trinitrobenzene	213		7.574					
160 Phorate	121		7.574					
161 Phenacetin	108		7.592					
162 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.538					
163 Diallate Peak 2	86		7.639					
164 4-Bromophenyl phenyl ether	248	7.660	7.666	-0.006	66	443292	66.3	
165 Hexachlorobenzene	284	7.736	7.736	0.0	93	485724	67.0	
166 Dimethoate	87		7.739					
167 Atrazine	200	7.771	7.771	0.0	92	434511	73.6	
168 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.755					
169 n-Octadecane	85	7.854	7.854	0.0	96	450229	66.7	
170 4-Aminobiphenyl	169		7.891					
171 Pentachlorophenol	266	7.901	7.901	0.0	84	563931	131.4	
172 Pronamide	173		7.897					
173 Pentachloronitrobenzene	237		7.903					
174 Disulfoton	88		8.009					
175 Dinoseb	211		8.021					
176 Phenanthrene	178	8.089	8.094	-0.005	98	2211436	66.8	
177 Anthracene	178	8.136	8.136	0.0	98	2224039	64.9	
178 Carbazole	167	8.265	8.265	0.0	83	2114710	65.9	
179 Alachlor	188		8.324					
180 Methyl parathion	109		8.344					
181 Di-n-butyl phthalate	149	8.482	8.482	0.0	100	2541113	68.2	
182 Phenyl disulfide	109		9.515					
183 Ethyl Parathion	109		8.679					
184 4-Nitroquinoline-1-oxide	190		8.796					
185 Methapyrilene	97		8.796					
186 Diphenylsulfone	125		9.844					
187 Isodrin	193		9.061					
188 Fluoranthene	202	9.252	9.252	0.0	98	2391909	68.2	
189 Benzidine	184		9.393					
190 Octachlorostyrene	308		10.220					
191 Pyrene	202	9.546	9.552	-0.006	97	2451906	65.3	
192 Aramite Peak 1	185		9.595					
193 Aramite Peak 2	185		9.707					
194 p-Dimethylamino azobenzene	120		9.901					
195 Chlorobenzilate	251		9.936					
196 4,4-Dichlorobenzil	139		10.602					
197 Famphur	218		10.357					
198 Butyl benzyl phthalate	149	10.427	10.427	0.0	97	1141431	65.8	
199 3,3'-Dimethylbenzidine	212		10.477					
200 Bis(4-chlorophenyl)disulfide	143		10.831					
201 p-chlorophenyl sulfone	159		10.896					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
202 2-Acetylaminofluorene	181		10.958					
203 Bis(2-ethylhexyl) phthalate	149	11.555	11.561	-0.006	97	1534698	68.3	
204 4,4'-Methylene bis(2-chloroanili	231		11.581					
205 3,3'-Dichlorobenzidine	252	11.584	11.590	-0.006	71	612001	44.9	
206 Benzo[a]anthracene	228	11.637	11.637	0.0	99	2216418	64.2	
207 Chrysene	228	11.720	11.725	-0.005	95	2073525	64.1	
208 6-Methylchrysene	242		12.821					
209 Di-n-octyl phthalate	149	13.288	13.288	0.0	99	2574048	70.3	
210 7,12-Dimethylbenz(a)anthracene	256		14.443					
211 Benzo[b]fluoranthene	252	14.458	14.463	-0.005	95	2107164	67.7	
212 Benzo[k]fluoranthene	252	14.540	14.552	-0.012	99	2263685	68.4	
213 Hexachlorophene	196		15.313					
214 Benzo[e]pyrene	252		15.304					
215 Benzo[a]pyrene	252	15.451	15.456	-0.006	75	1987718	64.7	
216 Perylene	252		15.996					
217 3-Methylcholanthrene	268		16.558					
218 Tris(2,3-dibromopropyl)phosphate	119		17.506					
219 Dibenz[a,h]acridine	279		18.320					
220 Dibenz[a,j]acridine	279		18.491					
221 Dibenz(a,h)anthracene	278	19.093	19.099	-0.006	91	1885021	66.1	
222 Indeno[1,2,3-cd]pyrene	276	19.017	19.023	-0.006	99	1927649	65.8	
223 Benzo[g,h,i]perylene	276	19.628	19.640	-0.012	95	1949676	64.4	
224 Dibenzo[a,e]pyrene	302		22.745					
S 225 Methyl Phenols,Total	108				0		123.6	
S 226 Total Cresols	108				0		123.6	
S 227 Aramite, Total	185		15.496					
S 228 Diallate	86		15.496					
S 229 Isosafrole	162		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzofurans TIC	1		0.0					
T 15 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 16 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Pentachlorodibenzofurans TIC	1		0.0					
T 20 2,6-Dimethylphenol	1		0.0					
21 1,2,3,4-Tetrahydronaphthalene	1		0.0					
22 2-Phenoxyethanol	1		0.0					
T 23 Pentachlorodibenzo-p-dioxin TIC	1		0.0					
24 2-Butoxyethanol	1		0.0					
57 4,4'-DDE	246		4.905					
68 4,4'-DDD	235		5.199					
72 4,4'-DDT	235		5.399					

QC Flag Legend

Review Flags
M - Manually Integrated

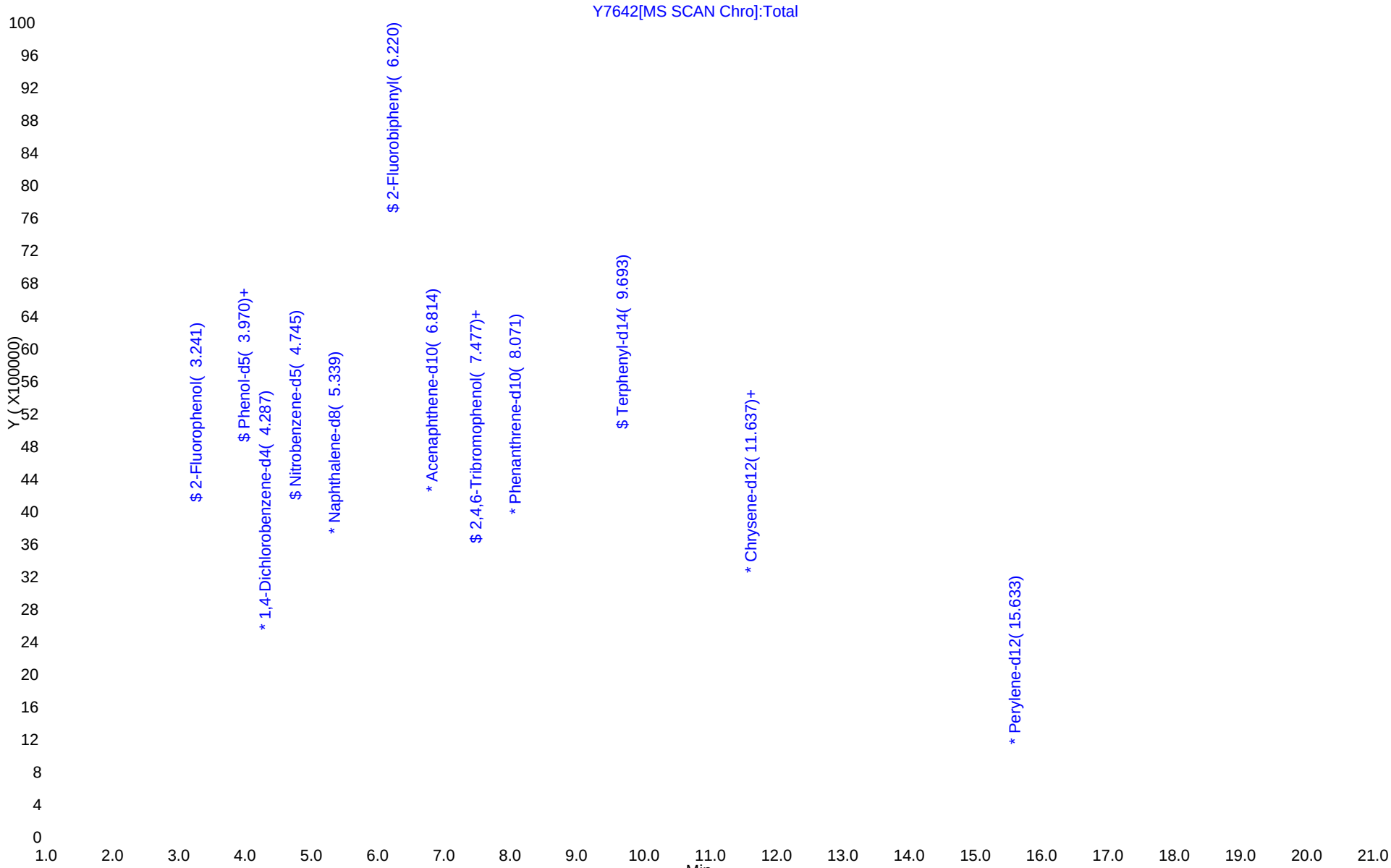
Report Date: 21-Nov-2013 08:22:10 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7642.D

Injection Date:	20-Nov-2013 14:37:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-1-F MS	Lab Sample ID:	280-48651-1	Worklist Smp#:	8
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

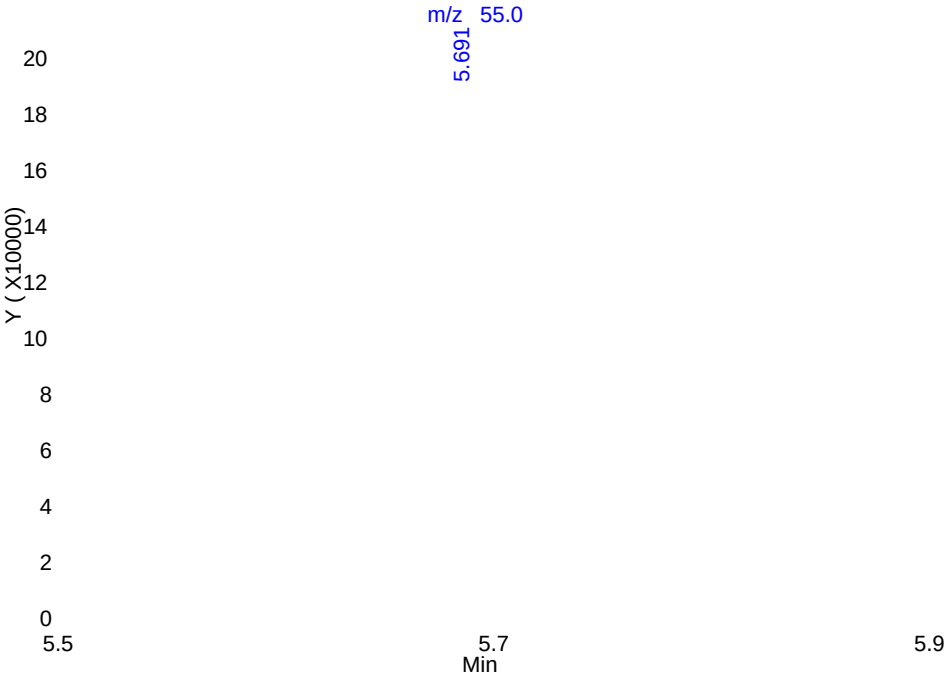
TestAmerica Denver

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Injection Date:	20-Nov-2013 14:37:30	Instrument ID:	SMS_Y		
Lims ID:	280-48651-A-1-F MS	Lab Sample ID:	280-48651-1		
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

94 Caprolactam, CAS: 105-60-2

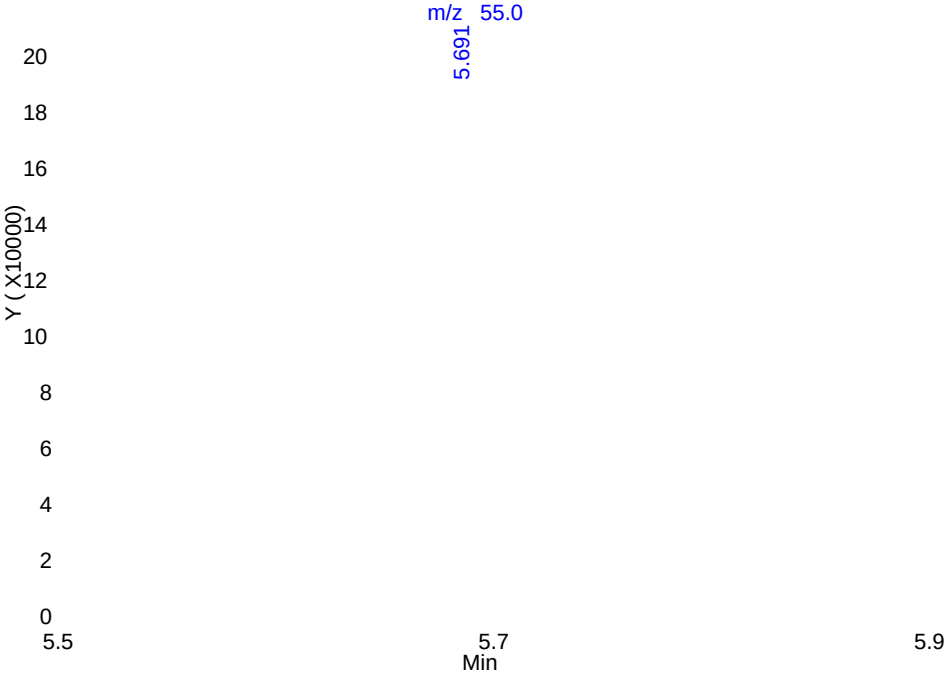
Processing Integration Results

RT: 5.69
Response: 169409
Amount: 35.206155



Manual Integration Results

RT: 5.69
Response: 306427
Amount: 63.680893



Reviewer: hoffmanm, 21-Nov-2013 08:13:44
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA MSD | Lab Sample ID: 280-48651-1 MSD

Matrix: Solid | Lab File ID: Y7643.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.0(g) | Date Analyzed: 11/20/2013 15:04

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	2480		390	200	59
95-94-3	1,2,4,5-Tetrachlorobenzene	2460		390	79	58
120-82-1	1,2,4-Trichlorobenzene	2290		390	39	33
95-50-1	1,2-Dichlorobenzene	2070		390	39	26
122-66-7	1,2-Diphenylhydrazine	2610		390	39	26
541-73-1	1,3-Dichlorobenzene	2040		390	39	14
106-46-7	1,4-Dichlorobenzene	2030		390	39	16
108-60-1	2,2'-oxybis[1-chloropropane]	2180		390	39	27
58-90-2	2,3,4,6-Tetrachlorophenol	2800		1900	200	160
95-95-4	2,4,5-Trichlorophenol	2560		390	150	12
88-06-2	2,4,6-Trichlorophenol	2560		390	78	12
120-83-2	2,4-Dichlorophenol	2510		390	78	12
105-67-9	2,4-Dimethylphenol	2570		390	150	78
51-28-5	2,4-Dinitrophenol	5260		1900	790	390
121-14-2	2,4-Dinitrotoluene	2650		390	150	78
87-65-0	2,6-Dichlorophenol	150	U	390	150	81
606-20-2	2,6-Dinitrotoluene	2650		390	78	33
91-58-7	2-Chloronaphthalene	2490		390	39	12
95-57-8	2-Chlorophenol	2300		390	39	25
91-57-6	2-Methylnaphthalene	2490		390	39	22
95-48-7	2-Methylphenol	2350		390	39	15
88-74-4	2-Nitroaniline	2720		1900	78	59
88-75-5	2-Nitrophenol	2470		390	78	12
15831-10-4	3 & 4 Methylphenol	2460		390	78	39
91-94-1	3,3'-Dichlorobenzidine	1920		1900	390	110
99-09-2	3-Nitroaniline	2260		1900	160	86
534-52-1	4,6-Dinitro-2-methylphenol	5710		1900	780	390
101-55-3	4-Bromophenyl phenyl ether	2650		390	39	22
59-50-7	4-Chloro-3-methylphenol	2700		390	150	78
106-47-8	4-Chloroaniline	1920		390	150	96
7005-72-3	4-Chlorophenyl phenyl ether	2570		390	78	25
100-01-6	4-Nitroaniline	2470		1900	150	85
100-02-7	4-Nitrophenol	5080		1900	390	110
83-32-9	Acenaphthene	2530		390	20	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA MSD | Lab Sample ID: 280-48651-1 MSD

Matrix: Solid | Lab File ID: Y7643.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.0(g) | Date Analyzed: 11/20/2013 15:04

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	2430		390	39	20
98-86-2	Acetophenone	2150		390	39	24
120-12-7	Anthracene	2570		390	39	20
1912-24-9	Atrazine	2900		390	150	44
100-52-7	Benzaldehyde	79	U	390	79	46
92-87-5	Benzidine	4700	U	4700	4700	1200
56-55-3	Benzo[a]anthracene	2600		390	39	24
50-32-8	Benzo[a]pyrene	2520		390	39	24
205-99-2	Benzo[b]fluoranthene	2660		390	39	31
191-24-2	Benzo[g,h,i]perylene	2460		390	39	19
207-08-9	Benzo[k]fluoranthene	2600		390	78	47
65-85-0	Benzoic acid	2260		1900	780	390
100-51-6	Benzyl alcohol	2390		390	39	12
111-91-1	Bis(2-chloroethoxy)methane	2360		390	78	27
111-44-4	Bis(2-chloroethyl)ether	2290		390	39	20
117-81-7	Bis(2-ethylhexyl) phthalate	2740		390	78	54
85-68-7	Butyl benzyl phthalate	2650		390	78	51
105-60-2	Caprolactam	2530	M	1900	390	120
86-74-8	Carbazole	2630		390	79	42
218-01-9	Chrysene	2580		390	39	32
53-70-3	Dibenz(a,h)anthracene	2590		390	39	22
132-64-9	Dibenzofuran	2560		390	39	24
84-66-2	Diethyl phthalate	2660		780	39	31
131-11-3	Dimethyl phthalate	2810		390	39	27
84-74-2	Di-n-butyl phthalate	2680		390	39	34
117-84-0	Di-n-octyl phthalate	2830		390	78	17
206-44-0	Fluoranthene	2700		390	78	42
86-73-7	Fluorene	2590		390	39	21
118-74-1	Hexachlorobenzene	2600		390	78	34
87-68-3	Hexachlorobutadiene	2360		390	78	12
77-47-4	Hexachlorocyclopentadiene	1900	J	2000	78	59
67-72-1	Hexachloroethane	2080		390	39	25
193-39-5	Indeno[1,2,3-cd]pyrene	2600		390	39	26
78-59-1	Isophorone	2310		390	39	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48651-1

SDG No.:

Client Sample ID: AOI474NW0102AA MSD | Lab Sample ID: 280-48651-1 MSD

Matrix: Solid | Lab File ID: Y7643.D

Analysis Method: 8270D/DoD | Date Collected: 10/30/2013 11:00

Extract. Method: 3550C | Date Extracted: 11/12/2013 21:54

Sample wt/vol: 31.0(g) | Date Analyzed: 11/20/2013 15:04

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 17.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 201912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	2440		390	78	36
98-95-3	Nitrobenzene	2300		390	39	26
62-75-9	N-Nitrosodimethylamine	1870		610	78	44
621-64-7	N-Nitrosodi-n-propylamine	2330		390	78	36
86-30-6	N-Nitrosodiphenylamine	2500		390	39	25
930-55-2	N-Nitrosopyrrolidine	150	U	390	150	75
87-86-5	Pentachlorophenol	5330		1900	790	390
85-01-8	Phenanthrene	2670		390	39	20
108-95-2	Phenol	2370		390	39	21
129-00-0	Pyrene	2600		470	39	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		35-125
321-60-8	2-Fluorobiphenyl	80		45-105
367-12-4	2-Fluorophenol (Surr)	73		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	77		35-100
4165-62-2	Phenol-d5 (Surr)	76		40-100
1718-51-0	Terphenyl-d14 (Surr)	86		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7643.D
Lims ID: 280-48651-A-1-G MSD Lab Sample ID: 280-48651-1
Client ID:
Sample Type: MSD
Inject. Date: 20-Nov-2013 15:04:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-48651-a-1-gmsd
Misc. Info.: 200642 =200642
Operator ID: hoffmanm Instrument ID: SMS_Y

Method: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\SMSY_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 21-Nov-2013 08:22:07 Calib Date: 18-Oct-2013 08:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_Y\20131018-16456.b\Y7006.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK033

First Level Reviewer: hoffmanm Date: 21-Nov-2013 08:14:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.290	4.287	0.003	97	301431	40.0	
* 2 Naphthalene-d8	136	5.342	5.339	0.003	100	1192563	40.0	
* 3 Acenaphthene-d10	164	6.810	6.814	-0.004	93	693318	40.0	
* 4 Phenanthrene-d10	188	8.068	8.071	-0.003	97	1138611	40.0	
* 5 Chrysene-d12	240	11.658	11.655	0.003	97	1178529	40.0	
* 6 Perylene-d12	264	15.635	15.627	0.008	98	1073615	40.0	
$ 7 2-Fluorophenol	112	3.244	3.241	0.003	92	804899	72.7	
$ 8 Phenol-d5	99	3.973	3.970	0.003	93	1086491	76.3	
$ 9 Nitrobenzene-d5	82	4.742	4.745	-0.003	89	962659	76.5	
$ 10 2,4,6-Trichlorophenol-d2	198		6.225					
$ 11 2-Fluorobiphenyl	172	6.223	6.220	0.003	99	1765875	80.1	
$ 12 2,4,6-Tribromophenol	330	7.480	7.483	-0.003	93	298997	83.9	
$ 13 Terphenyl-d14	244	9.695	9.698	-0.003	99	2053077	86.1	
25 Triethyl amine	86		1.954					
26 2-Ethoxyethanol	59		2.124					
27 1,4-Dioxane	88	1.899	1.908	-0.009	94	142465	27.3	
28 N-Nitrosodimethylamine	74	2.157	2.160	-0.003	91	360006	47.8	
29 Pyridine	79	2.198	2.201	-0.003	96	444011	33.9	
30 Dimethylformamide	73		2.653					
31 2-Picoline	93		2.786					
32 N-Nitrosomethylethylamine	88		2.874					
33 Acrylamide	71		3.079					
34 Methyl methanesulfonate	80		3.109					
35 N-Nitrosodiethylamine	102		3.426					
36 Pentachlorophenol_T	266		3.708					
37 Ethyl methanesulfonate	79		3.649					
39 Benzaldehyde	106		3.947					
40 Phenol	94	3.984	3.982	0.002	98	886487	60.4	
41 Methyl styrene	118		4.360					
42 Phenylmercaptan	110		4.043					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
43 Aniline	93	4.026	4.023	0.003	97	600298	32.0	
44 Alpha Methyl Styrene	118		4.046					
45 Bis(2-chloroethyl)ether	93	4.049	4.052	-0.003	96	637597	58.5	
46 Pentachloroethane	117		4.066					
47 n-Decane	43	4.096	4.099	-0.003	87	409037	42.6	
48 2-Chlorophenol	128	4.125	4.123	0.002	96	683000	58.6	
49 1,3-Dichlorobenzene	146	4.243	4.246	-0.003	96	640925	52.0	
50 1,4-Dichlorobenzene	146	4.302	4.305	-0.003	90	648279	51.8	
51 Benzyl alcohol	108	4.390	4.387	0.003	92	481519	61.1	
52 1,2-Dichlorobenzene	146	4.431	4.434	-0.003	94	630052	52.9	
53 Benzidine_T	184		4.805					
54 2-Methylphenol	108	4.466	4.469	-0.003	95	665970	59.9	
55 2,2'-oxybis[1-chloropropane]	45	4.478	4.475	0.003	90	699694	55.5	
56 Indene	116		4.499					
58 3-Methylphenol	108	4.590	4.593	-0.003	88	719612	62.7	
59 4-Methylphenol	108	4.590	4.593	-0.003	88	719612	62.7	
60 3 & 4 Methylphenol	108	4.590	4.593	-0.003	88	719612	62.7	
61 N-Nitrosodi-n-propylamine	70	4.590	4.587	0.003	83	506815	59.4	
62 N-Nitrosopyrrolidine	100		4.601					
63 Acetophenone	105	4.607	4.610	-0.003	96	895144	54.8	
64 N-Nitrosomorpholine	116		4.625					
65 2-Toluidine	106		4.642					
66 Hexachloroethane	117	4.707	4.704	0.003	97	270663	53.0	
67 Nitrobenzene	77	4.760	4.763	-0.003	88	729689	58.8	
69 Triethyl phosphate	99		4.880					
70 N-Nitrosopiperidine	114		4.883					
71 Isophorone	82	4.936	4.939	-0.003	97	1266884	59.0	
73 2,4-Dimethylphenol	107	5.024	5.027	-0.003	94	750907	65.5	
74 2-Nitrophenol	139	5.018	5.022	-0.004	93	368917	62.9	
75 Benzyl dichloride	125		5.121					
76 o,o',o''-Triethylphosphorothioat	198		5.054					
77 Benzoic acid	105	5.083	5.104	-0.021	86	534281	57.6	
78 Bis(2-chloroethoxy)methane	93	5.095	5.098	-0.003	99	785060	60.2	
79 3,5-Dimethylphenol	107		5.133					
80 2,4-Xylidine	121		5.274					
81 alpha,alpha-Dimethyl phenethylam	58		5.165					
82 2,4-Dichlorophenol	162	5.212	5.215	-0.003	97	587375	63.9	
83 o-Anisidine	80		5.310					
84 1,2,4-Trichlorobenzene	180	5.283	5.286	-0.003	93	568583	58.5	
85 Alpha-Terpineol	59		5.383					
86 4-chlorobenzenethiol	144		5.946					
87 Naphthalene	128	5.359	5.362	-0.003	98	1895729	62.2	
88 4-Chloroaniline	127	5.395	5.398	-0.004	86	702889	48.9	
89 2,6-Dichlorophenol	162		5.400					
90 Hexachloropropene	213		5.424					
91 Hexachlorobutadiene	225	5.436	5.433	0.003	96	330867	60.3	
92 Quinoline	129		5.635					
93 N-Nitrosodi-n-butylamine	84		5.635					
94 Caprolactam	55	5.694	5.686	0.008	77	300212	64.5	M
95 p-Phenylene diamine	108		5.688					
96 5-Methyl-o-Anisidine	122		5.821					
97 4-Chloro-3-methylphenol	107	5.782	5.785	-0.003	94	696802	68.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
98 Safrole, Total	162		5.835					
99 Carbofuran phenol	164		5.920					
100 1,3-phenylenediamine	108		5.950					
101 2-Methylnaphthalene	142	5.929	5.932	-0.003	85	1308128	63.4	
102 Phthalic anhydride	76		6.035					
103 1-Methylnaphthalene	142	6.017	6.015	0.002	90	1231050	63.9	
104 Methyl 4-chlorophenyl sulfide	158		6.753					
105 Hexachlorocyclopentadiene	237	6.047	6.050	-0.003	88	295879	48.5	
106 1,2,4,5-Tetrachlorobenzene	216	6.070	6.067	0.003	98	568336	62.6	
107 Isosafrole Peak 1	162		6.082					
108 2,4,6-Trichlorophenol	196	6.158	6.161	-0.003	90	408608	65.4	
109 2,3-Dichlorobenzenamine	161		6.173					
110 2,4,5-Trichlorophenol	196	6.199	6.203	-0.004	91	431159	65.3	
111 Isosafrole Peak 2	104		6.270					
112 1,1'-Biphenyl	154	6.311	6.314	-0.003	95	1644308	63.2	
113 Toluene diamine (2,4- + 2,6- iso	122		6.390					
114 2-Chloronaphthalene	162	6.346	6.344	0.002	98	1246624	63.4	
115 1-Chloronaphthalene	162		6.370					
116 2-Nitroaniline	65	6.429	6.432	-0.003	81	466352	69.3	
117 1,4-Naphthoquinone	158		6.493					
118 1,4-Dinitrobenzene	168		6.540					
119 Dimethyl phthalate	163	6.540	6.543	-0.003	97	1601456	71.8	
120 1,3-Dinitrobenzene	168	6.605	6.602	0.003	86	254442	67.7	
121 2,6-Dinitrotoluene	165	6.617	6.620	-0.003	92	354266	67.6	
122 Acenaphthylene	152	6.699	6.702	-0.003	92	1938128	62.1	
123 3-Nitroaniline	138	6.775	6.778	-0.003	94	381413	57.8	
124 Acenaphthene	153	6.840	6.843	-0.003	94	1271272	64.7	
125 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.686					
126 2,4-Dinitrophenol	184	6.857	6.861	-0.004	83	434277	134.2	
127 4-Nitrophenol	109	6.904	6.908	-0.004	90	517715	129.7	
128 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.791					
129 Pentachlorobenzene	250		6.945					
130 2,4-Dinitrotoluene	165	6.957	6.960	-0.003	85	472472	67.7	
131 n-hydroxymethylphthalimide	147		7.846					
132 Dibenzofuran	168	6.981	6.984	-0.003	89	1799415	65.3	
133 1-Naphthylamine	143		7.057					
134 2,3,4,6-Tetrachlorophenol	232	7.081	7.084	-0.003	67	385030	71.5	
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.968					
136 Hexadecane	57	7.087	7.090	-0.003	93	872126	68.2	
137 2-Naphthylamine	143		7.122					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.003					
139 Diethyl phthalate	149	7.122	7.125	-0.003	97	1491262	67.9	
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.073					
141 Thionazin	97		7.192					
142 4-Chlorophenyl phenyl ether	204	7.245	7.248	-0.003	95	694327	65.6	
143 Fluorene	166	7.269	7.272	-0.003	83	1508277	66.1	
144 Tributyl phosphate	99		7.330					
145 N-Nitro-o-toluidine	152		7.280					
146 4-Nitroaniline	138	7.292	7.295	-0.003	78	409322	62.9	
147 4,6-Dinitro-2-methylphenol	198	7.304	7.307	-0.003	83	583067	145.7	
148 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.209					
149 Diphenylamine	169		7.351					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
150 N-Nitrosodiphenylamine	169	7.351	7.348	0.003	61	1047163	63.9	
151 1,2-Diphenylhydrazine	77	7.380	7.384	-0.004	98	1661538	66.7	
152 Azobenzene	77	7.380	7.384	-0.004	99	1661538	66.0	
153 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.303					
154 Sulfotepp	97		7.427					
155 2,4,6 - Tribromophenol	330	7.480	7.483	-0.003	93	298997	83.9	
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.402					
157 Phenyl sulfide	186		8.475					
158 Diallate Peak 1	86		7.562					
159 1,3,5-Trinitrobenzene	213		7.574					
160 Phorate	121		7.574					
161 Phenacetin	108		7.592					
162 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.538					
163 Diallate Peak 2	86		7.639					
164 4-Bromophenyl phenyl ether	248	7.662	7.666	-0.004	63	439053	67.7	
165 Hexachlorobenzene	284	7.739	7.736	0.003	90	466835	66.4	
166 Dimethoate	87		7.739					
167 Atrazine	200	7.768	7.771	-0.003	89	423187	74.0	
168 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.755					
169 n-Octadecane	85	7.850	7.854	-0.004	95	440070	67.2	
170 4-Aminobiphenyl	169		7.891					
171 Pentachlorophenol	266	7.903	7.901	0.002	89	566160	136.0	
172 Pronamide	173		7.897					
173 Pentachloronitrobenzene	237		7.903					
174 Disulfoton	88		8.009					
175 Dinoseb	211		8.021					
176 Phenanthrene	178	8.091	8.094	-0.003	98	2190547	68.2	
177 Anthracene	178	8.132	8.136	-0.004	98	2176148	65.5	
178 Carbazole	167	8.268	8.265	0.003	83	2089221	67.1	
179 Alachlor	188		8.324					
180 Methyl parathion	109		8.344					
181 Di-n-butyl phthalate	149	8.479	8.482	-0.003	100	2474438	68.5	
182 Phenyl disulfide	109		9.515					
183 Ethyl Parathion	109		8.679					
184 4-Nitroquinoline-1-oxide	190		8.796					
185 Methapyrilene	97		8.796					
186 Diphenylsulfone	125		9.844					
187 Isodrin	193		9.061					
188 Fluoranthene	202	9.249	9.252	-0.003	98	2342425	68.9	
189 Benzidine	184		9.393					
190 Octachlorostyrene	308		10.220					
191 Pyrene	202	9.548	9.552	-0.004	97	2365023	66.3	
192 Aramite Peak 1	185		9.595					
193 Aramite Peak 2	185		9.707					
194 p-Dimethylamino azobenzene	120		9.901					
195 Chlorobenzilate	251		9.936					
196 4,4-Dichlorobenzil	139		10.602					
197 Famphur	218		10.357					
198 Butyl benzyl phthalate	149	10.424	10.427	-0.003	96	1114458	67.6	
199 3,3'-Dimethylbenzidine	212		10.477					
200 Bis(4-chlorophenyl)disulfide	143		10.831					
201 p-chlorophenyl sulfone	159		10.896					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
202 2-Acetylaminofluorene	181		10.958					
203 Bis(2-ethylhexyl) phthalate	149	11.558	11.561	-0.003	97	1495564	70.0	
204 4,4'-Methylene bis(2-chloroanili	231		11.581					
205 3,3'-Dichlorobenzidine	252	11.587	11.590	-0.003	72	634764	49.0	
206 Benzo[a]anthracene	228	11.634	11.637	-0.003	99	2179459	66.4	
207 Chrysene	228	11.722	11.725	-0.003	95	2022973	65.8	
208 6-Methylchrysene	242		12.821					
209 Di-n-octyl phthalate	149	13.285	13.288	-0.003	99	2513564	72.3	
210 7,12-Dimethylbenz(a)anthracene	256		14.443					
211 Benzo[b]fluoranthene	252	14.466	14.463	0.003	95	2066993	67.9	
212 Benzo[k]fluoranthene	252	14.543	14.552	-0.009	99	2148849	66.4	
213 Hexachlorophene	196		15.313					
214 Benzo[e]pyrene	252		15.304					
215 Benzo[a]pyrene	252	15.447	15.456	-0.009	75	1933706	64.3	
216 Perylene	252		15.996					
217 3-Methylcholanthrene	268		16.558					
218 Tris(2,3-dibromopropyl)phosphate	119		17.506					
219 Dibenz[a,h]acridine	279		18.320					
220 Dibenz[a,j]acridine	279		18.491					
221 Dibenz(a,h)anthracene	278	19.090	19.099	-0.009	86	1846297	66.2	
222 Indeno[1,2,3-cd]pyrene	276	19.020	19.023	-0.003	98	1847839	66.4	
223 Benzo[g,h,i]perylene	276	19.631	19.640	-0.009	94	1854922	62.7	
224 Dibenzo[a,e]pyrene	302		22.745					
S 225 Methyl Phenols,Total	108				0		122.7	
S 226 Total Cresols	108				0		122.7	
S 227 Aramite, Total	185		15.496					
S 228 Diallate	86		15.496					
S 229 Isosafrole	162		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzofurans TIC	1		0.0					
T 15 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 16 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Pentachlorodibenzofurans TIC	1		0.0					
T 20 2,6-Dimethylphenol	1		0.0					
21 1,2,3,4-Tetrahydronaphthalene	1		0.0					
22 2-Phenoxyethanol	1		0.0					
T 23 Pentachlorodibenzo-p-dioxin TIC	1		0.0					
24 2-Butoxyethanol	1		0.0					
57 4,4'-DDE	246		4.905					
68 4,4'-DDD	235		5.199					
72 4,4'-DDT	235		5.399					

QC Flag Legend

Review Flags
M - Manually Integrated

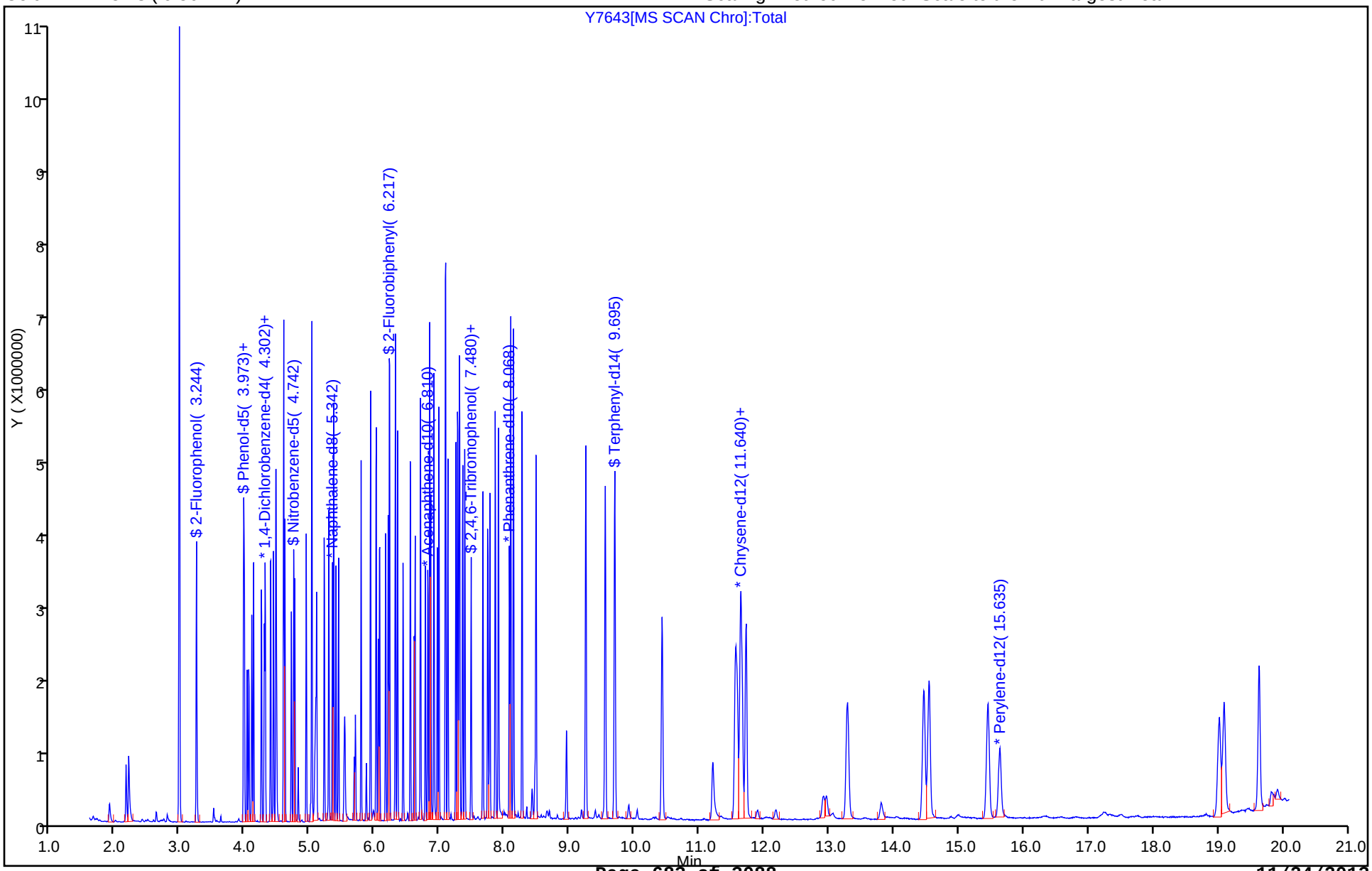
Report Date: 21-Nov-2013 08:22:11 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7643.D

Injection Date:	20-Nov-2013 15:04:30	Instrument ID:	SMS_Y	Operator ID:	hoffmanm
Lims ID:	280-48651-A-1-G MSD	Lab Sample ID:	280-48651-1	Worklist Smp#:	9
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

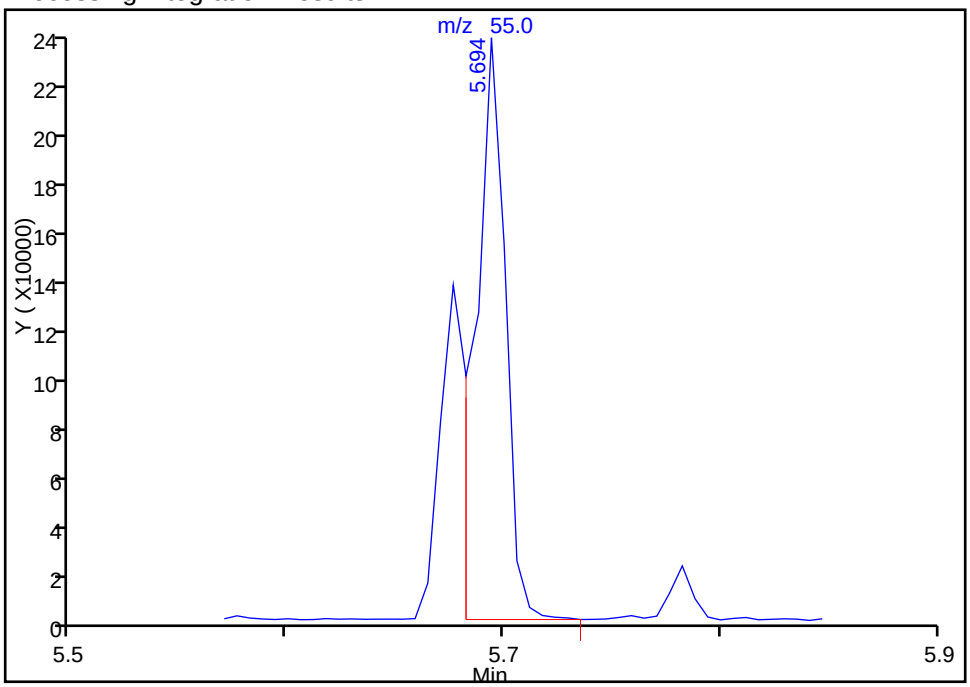
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_Y\20131120-17659.b\Y7643.D				
Injection Date:	20-Nov-2013 15:04:30	Instrument ID:	SMS_Y		
Lims ID:	280-48651-A-1-G MSD	Lab Sample ID:	280-48651-1		
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSY_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

94 Caprolactam, CAS: 105-60-2

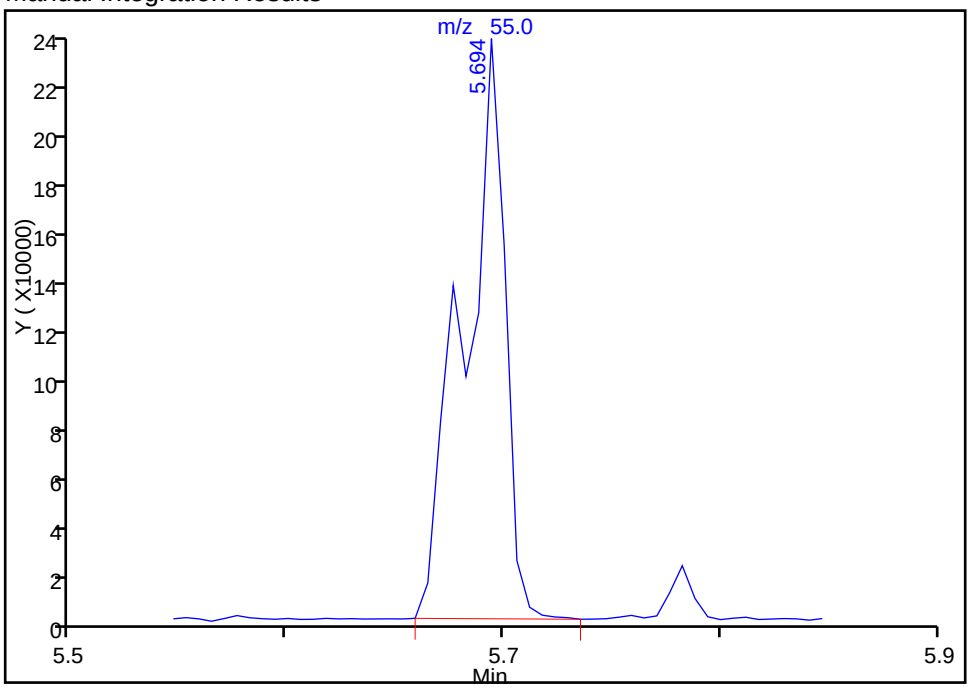
Processing Integration Results

RT: 5.69
Response: 221480
Amount: 47.582853



Manual Integration Results

RT: 5.69
Response: 300212
Amount: 64.497667



Reviewer: hoffmanm, 21-Nov-2013 08:14:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Start Date: 09/19/2013 09:12

Analysis Batch Number: 192194 End Date: 09/19/2013 13:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-192194/1		09/19/2013 09:12	1	Y6547.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192194/2		09/19/2013 09:25	1	Y6548.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192194/3		09/19/2013 09:53	1	Y6549.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192194/4		09/19/2013 10:19	1	Y6550.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192194/5		09/19/2013 10:45	1	Y6551.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192194/6		09/19/2013 11:11	1	Y6552.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192194/7		09/19/2013 11:37	1	Y6553.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192194/8		09/19/2013 12:03	1	Y6554.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-192194/9		09/19/2013 12:29	1	Y6555.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-192194/10		09/19/2013 12:55	1	Y6556.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-192194/11		09/19/2013 13:22	1	Y6557.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Start Date: 09/18/2013 14:30

Analysis Batch Number: 192224 End Date: 09/18/2013 20:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-192224/1		09/18/2013 14:30	1	Y6520.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192224/10		09/18/2013 18:09	1	Y6529.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192224/11		09/18/2013 18:32	1	Y6530.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192224/12		09/18/2013 18:55	1	Y6531.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192224/13		09/18/2013 19:18	1	Y6532.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192224/14		09/18/2013 19:41	1	Y6533.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192224/15		09/18/2013 20:04	1	Y6534.D	Vf-5MS (30.25) 0.25(mm)
IC 280-192224/16		09/18/2013 20:27	1	Y6535.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-192224/17		09/18/2013 20:50	1	Y6536.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Start Date: 10/07/2013 11:53

Analysis Batch Number: 194745 End Date: 10/07/2013 16:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-194745/1		10/07/2013 11:53	1	Y6816.D	Vf-5MS (30.25) 0.25(mm)
IC 280-194745/2		10/07/2013 12:06	1	Y6817.D	Vf-5MS (30.25) 0.25(mm)
IC 280-194745/3		10/07/2013 12:33	1	Y6818.D	Vf-5MS (30.25) 0.25(mm)
IC 280-194745/4		10/07/2013 13:00	1	Y6819.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-194745/5		10/07/2013 13:28	1	Y6820.D	Vf-5MS (30.25) 0.25(mm)
IC 280-194745/6		10/07/2013 13:55	1	Y6821.D	Vf-5MS (30.25) 0.25(mm)
IC 280-194745/7		10/07/2013 14:22	1	Y6822.D	Vf-5MS (30.25) 0.25(mm)
IC 280-194745/8		10/07/2013 14:50	1	Y6823.D	Vf-5MS (30.25) 0.25(mm)
IC 280-194745/9		10/07/2013 15:17	1	Y6824.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-194745/10		10/07/2013 15:44	1	Y6825.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-194745/11		10/07/2013 16:12	1	Y6826.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-194745/12		10/07/2013 16:39	1	Y6827.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Start Date: 11/14/2013 13:00

Analysis Batch Number: 201071 End Date: 11/14/2013 23:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-201071/1		11/14/2013 13:00	1	Y7488.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-201071/2		11/14/2013 13:12	1	Y7489.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-201071/3		11/14/2013 13:39	1	Y7490.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-201071/4		11/14/2013 14:07	1	Y7491.D	Vf-5MS (30.25) 0.25(mm)
MB 280-199334/1-A		11/14/2013 14:34	1	Y7492.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-199334/2-A		11/14/2013 15:02	1	Y7493.D	Vf-5MS (30.25) 0.25(mm)
LCSD 280-199334/3-A		11/14/2013 15:29	1	Y7494.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 15:56	1		Vf-5MS (30.25) 0.25(mm)
280-48651-6	AOI474SW0102AA	11/14/2013 16:24	1	Y7496.D	Vf-5MS (30.25) 0.25(mm)
280-48651-7	103013AE	11/14/2013 16:51	1	Y7497.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 17:19	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 17:47	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 18:14	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 18:42	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 19:09	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 19:36	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 20:04	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 20:31	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 20:59	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 21:26	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 21:53	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 22:21	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 22:48	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/14/2013 23:15	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: SMS_Y Start Date: 11/20/2013 11:40

Analysis Batch Number: 201912 End Date: 11/20/2013 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-201912/1		11/20/2013 11:40	1	Y7635.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-201912/2		11/20/2013 11:52	1	Y7636.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-201912/3		11/20/2013 12:20	1	Y7637.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-201912/4		11/20/2013 12:47	1	Y7638.D	Vf-5MS (30.25) 0.25(mm)
MB 280-200642/1-A		11/20/2013 13:14	1	Y7639.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-200642/2-A		11/20/2013 13:42	1	Y7640.D	Vf-5MS (30.25) 0.25(mm)
280-48651-1	AOI474NW0102AA	11/20/2013 14:09	1	Y7641.D	Vf-5MS (30.25) 0.25(mm)
280-48651-1 MS	AOI474NW0102AA MS	11/20/2013 14:37	1	Y7642.D	Vf-5MS (30.25) 0.25(mm)
280-48651-1 MSD	AOI474NW0102AA MSD	11/20/2013 15:04	1	Y7643.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 15:31	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 15:59	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 16:26	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 16:53	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 17:21	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 17:48	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 18:16	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		11/20/2013 18:43	1		Vf-5MS (30.25) 0.25(mm)
280-48651-2	AOI474SW0102AA	11/20/2013 19:11	1	Y7652.D	Vf-5MS (30.25) 0.25(mm)
280-48651-3	AOI474WW0102AA	11/20/2013 19:38	1	Y7653.D	Vf-5MS (30.25) 0.25(mm)
280-48651-4	AOI474EW0102AA	11/20/2013 20:05	1	Y7654.D	Vf-5MS (30.25) 0.25(mm)
280-48651-5	AOI474BT0103AA	11/20/2013 20:33	1	Y7655.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist *TestAmerica*

Denver

Instrument ID and Date: Y 111413 HSL, AP9, Benz.

Check Method Used: Analysis ☐ 625 ☒ 8270 ☐ Other SV _____

Q4

Review Items	Yes	Level 1 No	N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?			✓	12/18 ✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: _____ Date: 11/15/13

2nd Level Reviewer: _____ Date: 111513

Injection Log

Directory: C:\HPCHEM\1\DATA\111413.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	77518.d	1.	RINSE		15 Nov 2013 13:42
2	100	Y7486.d	1.	RINSE		14 Nov 2013 12:43
3	100	Y7487.d	1.	RINSE		14 Nov 2013 12:52
4	1	Y7488.d	1.	DFTPP		14 Nov 2013 13:00
5	2	Y7489.d	1.	CCV HSLA080		14 Nov 2013 13:12
6	3	Y7490.d	1.	CCV AP9A080		14 Nov 2013 13:39
7	4	Y7491.d	1.	CCV BZHD100		14 Nov 2013 14:07
8	5	Y7492.d	1.	mb280-199334_1-a		14 Nov 2013 14:34
9	6	Y7493.d	1.	lcs280-199334_2-a		14 Nov 2013 15:02
10	7	Y7494.d	1.	lcsd280-199334_3-a		14 Nov 2013 15:29
11	8	Y7495.d	1.	280-48607-c-3-a		14 Nov 2013 15:56
12	9	Y7496.d	1.	280-48651-a-6-a		14 Nov 2013 16:24
13	10	Y7497.d	1.	280-48651-a-7-a		14 Nov 2013 16:51
14	11	Y7498.d	1.	280-48662-c-1-a		14 Nov 2013 17:19
15	12	Y7499.d	1.	280-48662-d-4-a		14 Nov 2013 17:47
16	13	Y7500.d	1.	280-48662-i-4-ams		14 Nov 2013 18:14
17	14	Y7501.d	1.	280-48662-g-4-gmsd		14 Nov 2013 18:42
18	15	Y7502.d	1.	280-48662-a-5-c		14 Nov 2013 19:09
19	16	Y7503.d	1.	280-48662-b-6-a		14 Nov 2013 19:36
20	17	Y7504.d	1.	280-48662-a-7-c		14 Nov 2013 20:04
21	18	Y7505.d	1.	280-48662-a-8-c		14 Nov 2013 20:31
22	19	Y7506.d	1.	280-48662-a-9-c		14 Nov 2013 20:59
23	20	Y7507.d	1.	280-48662-a-10-a		14 Nov 2013 21:26
24	21	Y7508.d	1.	280-48662-b-11-a		14 Nov 2013 21:53
25	22	Y7509.d	1.	280-48723-a-7-c		14 Nov 2013 22:21
26	23	Y7510.d	1.	280-48723-b-10-a		14 Nov 2013 22:48
27	24	Y7511.d	1.	280-48723-a-11-c		14 Nov 2013 23:15
28	98	Y7512.d	1.	RINSE		14 Nov 2013 23:43
29	99	Y7513.d	1.	RINSE		15 Nov 2013 00:10
30	100	Y7514.d	1.	RINSE		15 Nov 2013 00:38
31	98	Y7515.d	1.	RINSE		15 Nov 2013 01:05
32	99	Y7516.d	1.	RINSE		15 Nov 2013 01:33
33	100	Y7517.d	1.	RINSE		15 Nov 2013 02:00
34	100	Y7519.d	1.	RINSE		15 Nov 2013 13:51
35	1	Y7520.d	1.	DFTPP		15 Nov 2013 13:59
36	2	Y7521.d	1.	CCV HSLA080		15 Nov 2013 14:11
37		Y7522.d	1.	No MS or GC data present		

Instrument ID and Date: Inst. IV 11A-MB-Q44 11/20/13

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?	✓			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: _____ Date: 11/20/13

2nd Level Reviewer: _____ Date: 11/20/13

Injection Log

Directory: C:\HPCHEM\1\DATA\112013.B

11/21/13

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Y7633.d	1.	RINSE		20 Nov 2013 11:15
2	1	Y7634.d	1.	DFTPP		20 Nov 2013 11:25
3	1	Y7635.d	1.	DFTPP		20 Nov 2013 11:40
4	2	Y7636.d	1.	CCV HSLA080		20 Nov 2013 11:52
5	3	Y7637.d	1.	CCV AP9A080		20 Nov 2013 12:20
6	4	Y7638.d	1.	CCV BZHDA		20 Nov 2013 12:47
7	5	Y7639.d	1.	mb280-200642_1-a	200642	20 Nov 2013 13:14
8	6	Y7640.d	1.	lcs280-200642_2-a	200642	20 Nov 2013 13:42
9	7	Y7641.d	1.	280-48651-a-1-e	200642	20 Nov 2013 14:09
10	8	Y7642.d	1.	280-48651-a-1-fms	200642	20 Nov 2013 14:37
11	9	Y7643.d	1.	280-48651-a-1-gmsd	200642	20 Nov 2013 15:04
12	10	Y7644.d	1.	280-48964-c-10-a	201062	20 Nov 2013 15:31
13	11	Y7645.d	1.	280-48964-c-11-a	201062	20 Nov 2013 15:59
14	12	Y7646.d	1.	280-48964-c-12-a	201062	20 Nov 2013 16:26
15	13	Y7647.d	1.	280-48964-c-13-a	201062	20 Nov 2013 16:53
16	14	Y7648.d	1.	280-48964-c-14-a	201062	20 Nov 2013 17:21
17	15	Y7649.d	1.	280-48964-c-15-a	201062	20 Nov 2013 17:48
18	16	Y7650.d	1.	280-48964-a-16-c	201062	20 Nov 2013 18:16
19	17	Y7651.d	1.	280-48964-a-17-c	201062	20 Nov 2013 18:43
20	18	Y7652.d	1.	280-48651-a-2-c	200642	20 Nov 2013 19:11
21	19	Y7653.d	1.	280-48651-a-3-c	200642	20 Nov 2013 19:38
22	20	Y7654.d	1.	280-48651-a-4-c	200642	20 Nov 2013 20:05
23	21	Y7655.d	1.	280-48651-a-5-e	200642	20 Nov 2013 20:33
24	98	Y7656.d	1.	RINSE		20 Nov 2013 21:00
25	99	Y7657.d	1.	RINSE		20 Nov 2013 21:27
26	100	Y7658.d	1.	RINSE		20 Nov 2013 21:54
27	98	Y7659.d	1.	RINSE		20 Nov 2013 22:21
28	99	Y7660.d	1.	RINSE		20 Nov 2013 22:49
29	100	Y7661.d	1.	RINSE		20 Nov 2013 23:16

Diluent Solvent Lot# NA

Circle: ~~SOP: DV-MS-0011~~ (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: Cut Col/replace liner gold Seal, septa 11/21/13

GC/MS TALS Initial Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: MSTV BZHD 09/18/13

Calibration Event 155538 Batch 1[illegible]4

Check Analysis Method Used: ☒ 625 ☒ 8270C ☐ 8270D ☐ 8270-SIM ☐ 8270_LL ☐ Other SV _____

Review Items	---- Level 1 ---- Yes	No	N/A	Level 2	Comments
TALS Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the CHROM source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?			✓	NA	Some points ≤RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15%?			✓	NA	List all exceptions below (cpd & RSD)
8. Response factors/CCC meet criteria?			✓	NA	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented (including COA)?	✓			✓	
12. 2nd Source ICV recovery 80-120% (± 20% drift) for DoD projects, 65-135% (± 35% or ± 55% of expected for poor performers) for 8270C non-DoD, 70-130% 8270D non DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: [signature] Date: 9/19/13

2nd Level Reviewer: [signature] Date: 09/20/13

Injection Log

Directory: C:\HPCHEM\1\DATA\091813B\b

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Y6520.d	1.	DFTPP		18 Sep 2013 14:30
2	2	Y6521.d	1.	IC CUST200		18 Sep 2013 14:45
3	3	Y6522.d	1.	IC CUST160		18 Sep 2013 15:12
4	4	Y6523.d	1.	IC CUST120		18 Sep 2013 15:37
5	5	Y6524.d	1.	IC CUST080		18 Sep 2013 16:02
6	6	Y6525.d	1.	IC CUST050		18 Sep 2013 16:28
7	7	Y6526.d	1.	IC CUST020		18 Sep 2013 16:53
8	8	Y6527.d	1.	IC CUST010		18 Sep 2013 17:18
9	9	Y6528.d	1.	ICV CUSTSSV		18 Sep 2013 17:43
10	10	Y6529.d	1.	IC BZHD200		18 Sep 2013 18:09
11	11	Y6530.d	1.	IC BZHD160		18 Sep 2013 18:32
12	12	Y6531.d	1.	IC BZHD080		18 Sep 2013 18:55
13	13	Y6532.d	1.	IC BZHD050		18 Sep 2013 19:18
14	14	Y6533.d	1.	IC BZHD020		18 Sep 2013 19:41
15	15	Y6534.d	1.	IC BZHD040		18 Sep 2013 20:04
16	16	Y6535.d	1.	IC BZHD010		18 Sep 2013 20:27
17	17	Y6536.d	1.	ICV BZHDSSV		18 Sep 2013 20:50
18	18	Y6537.d	1.	IC REF200		18 Sep 2013 21:13
19	19	Y6538.d	1.	IC REF160		18 Sep 2013 21:45
20	20	Y6539.d	1.	IC REF120		18 Sep 2013 22:17
21	21	Y6540.d	1.	IC REF080		18 Sep 2013 22:49
22	22	Y6541.d	1.	IC REF050		18 Sep 2013 23:21
23	23	Y6542.d	1.	IC REF020		18 Sep 2013 23:53
24	24	Y6543.d	1.	IC REF010		19 Sep 2013 00:25
25	25	Y6544.d	1.	ICV PA-SSV		19 Sep 2013 00:56
26	26	Y6545.d	1.	ICV BZTH-SSV		19 Sep 2013 01:19
27	27	Y6546.d	1.	ICV DBP-TERSSV		19 Sep 2013 01:42

Diluent Solvent Lot# _____

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: _____

GC/MS TALS Initial Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: Y - 9/19/13 - AM9

Calibration Event 15851 Batch 195302

Check Analysis Method Used: ☐ 625 ☐ 8270C ☑ 8270D ☐ 8270-SIM ☐ 8270_LL ☐ Other SV _____

Review Items	Level 1 - Yes	Level 1 - No	Level 1 - N/A	Level 2	Comments
TALS Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the CHROM source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points ≤RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15%?			✓	✓	List all exceptions below (cpd & RSD)
8. Response factors/CCC meet criteria?			✓	✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented (including COA)?	✓			✓	
12. 2nd Source ICV recovery 80-120% (± 20% drift) for DoD projects, 65-135% (± 35% or ± 55% of expected for poor performers) for 8270C non-DoD, 70-130% 8270D non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: _____ Date: 10/10/13

2nd Level Reviewer: _____ Date: 10/11/13

Injection Log

Directory: C:\HPCHEM\1\DATA\091913.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Y6547.d	1.	DFTPP		19 Sep 2013 09:12
2	2	Y6548.d	1.	IC AP9A200		19 Sep 2013 09:25
3	3	Y6549.d	1.	IC AP9A160		19 Sep 2013 09:53
4	4	Y6550.d	1.	IC AP9A120		19 Sep 2013 10:19
5	5	Y6551.d	1.	IC AP9A080		19 Sep 2013 10:45
6	6	Y6552.d	1.	IC AP9A050		19 Sep 2013 11:11
7	7	Y6553.d	1.	IC AP9A020		19 Sep 2013 11:37
8	8	Y6554.d	1.	IC AP9A010		19 Sep 2013 12:03
9	9	Y6555.d	1.	ICV AP9B1SSV		19 Sep 2013 12:29
10	10	Y6556.d	1.	ICV AP9B2SSV		19 Sep 2013 12:55
11	11	Y6557.d	1.	ICV AP9B3SSV		19 Sep 2013 13:22

GC/MS TALS Initial Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: Y 10/7/13 KSL

Calibration Event 15855 Batch 195327

Check Analysis Method Used: ☐ 625 ☐ 8270C ☑ 8270D ☐ 8270-SIM ☐ 8270_LL ☐ Other SV _____

Review Items	Level 1 - Yes	Level 1 - No	Level 1 - N/A	Level 2	Comments
TALS Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the CHROM source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points ≤RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15%?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors/CCC meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented (including COA)?	✓			✓	
12. 2nd Source ICV recovery 80-120% (± 20% drift) for DoD projects, 65-135% (± 35% or ± 55% of expected for poor performers) for 8270C non-DoD, 70-130% 8270D non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: _____ Date: 10/10/13

2nd Level Reviewer: _____ Date: 10/11/13

10/11/13

Injection Log

Directory: C:\HPCHEM\1\DATA\100713AB

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Y6816.d	1.	DFTPP		7 Oct 2013 11:53
1	1	Y6816.d	1.	DFTPP		7 Oct 2013 11:53
2	2	Y6817.d	1.	IC HSLA200		7 Oct 2013 12:06
2	2	Y6817.d	1.	IC HSLA200		7 Oct 2013 12:06
3	3	Y6818.d	1.	IC HSLA160		7 Oct 2013 12:33
3	3	Y6818.d	1.	IC HSLA160		7 Oct 2013 12:33
4	4	Y6819.d	1.	IC HSLA120		7 Oct 2013 13:00
4	4	Y6819.d	1.	IC HSLA120		7 Oct 2013 13:00
5	5	Y6820.d	1.	ICIS HSLA080		7 Oct 2013 13:28
5	5	Y6820.d	1.	ICIS HSLA080		7 Oct 2013 13:28
6	6	Y6821.d	1.	IC HSLA050		7 Oct 2013 13:55
6	6	Y6821.d	1.	IC HSLA050		7 Oct 2013 13:55
7	7	Y6822.d	1.	IC HSLA020		7 Oct 2013 14:22
7	7	Y6822.d	1.	IC HSLA020		7 Oct 2013 14:22
8	8	Y6823.d	1.	IC HSLA010		7 Oct 2013 14:50
8	8	Y6823.d	1.	IC HSLA010		7 Oct 2013 14:50
9	9	Y6824.d	1.	IC HSLA004		7 Oct 2013 15:17
9	9	Y6824.d	1.	IC HSLA004		7 Oct 2013 15:17
10	10	Y6825.d	1.	ICV B1B3		7 Oct 2013 15:44
10	10	Y6825.d	1.	ICV B1B3		7 Oct 2013 15:44
11	11	Y6826.d	1.	ICV B2		7 Oct 2013 16:12
11	11	Y6826.d	1.	ICV B2		7 Oct 2013 16:12
12	12	Y6827.d	1.	ICV FAM		7 Oct 2013 16:39
12	12	Y6827.d	1.	ICV FAM		7 Oct 2013 16:39

Diluent Solvent Lot#: NA

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: Cal + Col // Inspect Liners, Shield Seals, Septa

93

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 199334 Batch Start Date: 11/05/13 13:46 Batch Analyst: Wiggins, Joshua J

Batch Method: 3520C Batch End Date: 11/11/13 22:58

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 280-199334/1		3520C, 8270D/DoD				1000 mL	1000 uL	7 SU	2 SU
LCS 280-199334/2		3520C, 8270D/DoD				1000 mL	1000 uL	7 SU	2 SU
LCSD 280-199334/3		3520C, 8270D/DoD				1000 mL	1000 uL	7 SU	2 SU
280-48651-A-6	AOI474SW0102AA	3520C, 8270D/DoD	T	1495.1 g	499.7 g	995.4 mL	1000 uL	6 SU	2 SU
280-48651-A-7	103013AE	3520C, 8270D/DoD	T	1552.6 g	500.3 g	1052.3 mL	1000 uL	6 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270_LCS_Main 00004	8270_LCS_Supp 00026	8270Surrogate 00064	AnalysisComment	
MB 280-199334/1		3520C, 8270D/DoD		12 SU			1 mL	Share with 199341	
LCS 280-199334/2		3520C, 8270D/DoD		12 SU	1 mL	1 mL	1 mL	Share with 199341	
LCSD 280-199334/3		3520C, 8270D/DoD		12 SU	1 mL	1 mL	1 mL	Share with 199341	
280-48651-A-6	AOI474SW0102AA	3520C, 8270D/DoD	T	12 SU			1 mL		
280-48651-A-7	103013AE	3520C, 8270D/DoD	T	12 SU			1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 199334 Batch Start Date: 11/05/13 13:46 Batch Analyst: Wiggins, Joshua J

Batch Method: 3520C Batch End Date: 11/11/13 22:58

Batch Notes	
Acid used for pH adjustment	1:1 H2SO4
Acid used for pH adjust Lot #	1:1H2SO4_00024
Balance ID	24350888
Base used for pH adjustment	10N NaOH
Base used for pH adjust Lot #	10N_NaOH_00037
Batch Comment	DV-OP-0008/7, NaCl:0000059796, H2O:N.Elga
Person's name who did the concentration	Curley, N
Time the first extraction ended 24hr	11/6/13 1415
Time the first extraction started 24 hr	11/5/13 1415
Na2SO4 Lot Number	0000049014_00007
Oven, Bath or Block Temperature 1	84 Degrees C
Pipette ID	I
Prep Solvent Lot #	MeCl2_Cycl_00131/132
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	Josh Wiggins
Person's name who witnessed reagent drop	See Above
Time the second extractino ended 24 hr	11/7/13 1530
Time the second extration started 24 hr	11/6/13 1530
Person who performed Spike	Josh Wiggins
Person who witnessed spiking	David Bourgery
Sufficient volume for MS/MSD?	Yes
Uncorrected Temperature	83C/84C
Water Bath ID	A/B

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 200642 Batch Start Date: 11/12/13 21:54 Batch Analyst: Pottruff, Erma J

Batch Method: 3550C Batch End Date: 11/18/13 13:52

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	8270_LCS_Main 00005	8270_LCS_Supp 00027	8270Surrogate 00064
MB 280-200642/1		3550C, 8270D/DoD		CALC NOT SET TO RUN	30.2 g	1000 uL			1 mL
LCS 280-200642/2		3550C, 8270D/DoD		CALC NOT SET TO RUN	30.0 g	1000 uL	1 mL	1 mL	1 mL
280-48651-A-1	AOI474NW0102AA	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	31.4 g	1000 uL			1 mL
280-48651-A-1 MS	AOI474NW0102AA	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	30.8 g	1000 uL	1 mL	1 mL	1 mL
280-48651-A-1 MSD	AOI474NW0102AA	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	31.0 g	1000 uL	1 mL	1 mL	1 mL
280-48651-A-2	AOI474SW0102AA	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	32.1 g	1000 uL			1 mL
280-48651-A-3	AOI474WW0102AA	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	31.4 g	1000 uL			1 mL
280-48651-A-4	AOI474EW0102AA	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	30.3 g	1000 uL			1 mL
280-48651-A-5	AOI474BT0103AA	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	30.1 g	1000 uL			1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 200642 Batch Start Date: 11/12/13 21:54 Batch Analyst: Pottruff, Erma J

Batch Method: 3550C Batch End Date: 11/18/13 13:52

Batch Notes	
Balance ID	24750402
Batch Comment	DV-OP-0016/0007 pipette-E
Blank Soil Lot Number	2BI0314
Person's name who did the concentration	Adams, A
Na2SO4 Lot Number	0000049014_00008
Nominal Amount Used	30 g
Prep Solvent Lot #	1:1AceMeCl2_00034/ MeCl2_Cycl_00135
Prep Solvent Name	1:1AceMeCl2/ MeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	ej/mw trainee
Person's name who witnessed reagent drop	nrc
Analyst who added reagent	mw
Perform Calculation (0=No, 1=Yes)	0
Uncorrected In Temperature	87 Degrees C
Vendor of Reagent used	Baker
Water Bath ID	A
Water Bath Temperature	88 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

Project: Griffiss AFB AOI 474

Client Sample ID	Lab Sample ID
AOI474NW0102AA	280-48651-1
AOI474SW0102AA	280-48651-2
AOI474WW0102AA	280-48651-3
AOI474EW0102AA	280-48651-4
AOI474BT0103AA	280-48651-5
AOI474SW0102AA	280-48651-6
103013AE	280-48651-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474NW0102AA
Lab Sample ID: 280-48651-1
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/30/2013 11:00
Reporting Basis: DRY
Date Received: 10/31/2013 09:00
% Solids: 82.3

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	7800	60	3.6	1.8	mg/Kg		J	1	6010C
Antimony	0.71	2.4	0.71	0.45	mg/Kg	U	J	1	6010C
Arsenic	1.2	3.0	1.2	0.79	mg/Kg	U		1	6010C
Barium	20	2.4	0.21	0.091	mg/Kg			1	6010C
Beryllium	0.25	0.60	0.083	0.039	mg/Kg	J		1	6010C
Boron	2.2	12	1.2	1.2	mg/Kg	J		1	6010C
Cadmium	0.25	0.60	0.12	0.049	mg/Kg	J		1	6010C
Calcium	560	120	24	17	mg/Kg			1	6010C
Chromium	7.3	4.2	0.18	0.069	mg/Kg			1	6010C
Cobalt	3.0	1.2	0.24	0.12	mg/Kg			1	6010C
Copper	5.3	6.0	0.60	0.26	mg/Kg	J		1	6010C
Iron	8400	95	6.0	4.5	mg/Kg		J	1	6010C
Lead	6.8	1.1	0.95	0.32	mg/Kg			1	6010C
Magnesium	2400	36	6.0	4.4	mg/Kg			1	6010C
Manganese	68	5.4	0.18	0.12	mg/Kg		Q	1	6010C
Molybdenum	0.60	3.0	0.60	0.31	mg/Kg	U		1	6010C
Nickel	9.8	4.8	0.24	0.15	mg/Kg			1	6010C
Potassium	900	360	60	49	mg/Kg		J	1	6010C
Selenium	1.4	3.6	1.4	1.0	mg/Kg	U		1	6010C
Silver	0.24	1.8	0.24	0.19	mg/Kg	U		1	6010C
Sodium	120	600	120	70	mg/Kg	U		1	6010C
Strontium	2.7	1.8	0.095	0.043	mg/Kg		Q	1	6010C
Thallium	1.4	3.6	1.4	0.77	mg/Kg	U		1	6010C
Vanadium	9.5	2.4	0.24	0.11	mg/Kg		Q	1	6010C
Zinc	110	9.5	0.95	0.47	mg/Kg		J	1	6010C
Mercury	23	21	17	7.0	ug/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474SW0102AA
Lab Sample ID: 280-48651-2
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/30/2013 11:05
Reporting Basis: DRY
Date Received: 10/31/2013 09:00
% Solids: 84.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	7500	53	3.2	1.7	mg/Kg			1	6010C
Antimony	0.64	2.1	0.64	0.41	mg/Kg	U		1	6010C
Arsenic	1.1	2.7	1.1	0.70	mg/Kg	J		1	6010C
Barium	16	2.1	0.19	0.081	mg/Kg			1	6010C
Beryllium	0.27	0.53	0.075	0.035	mg/Kg	J		1	6010C
Boron	1.8	11	1.1	1.0	mg/Kg	J		1	6010C
Cadmium	0.079	0.53	0.11	0.044	mg/Kg	J		1	6010C
Calcium	480	110	21	15	mg/Kg			1	6010C
Chromium	7.0	3.7	0.16	0.062	mg/Kg			1	6010C
Cobalt	3.0	1.1	0.21	0.11	mg/Kg			1	6010C
Copper	5.2	5.3	0.53	0.23	mg/Kg	J		1	6010C
Iron	8700	85	5.3	4.1	mg/Kg			1	6010C
Lead	2.6	0.96	0.85	0.29	mg/Kg			1	6010C
Magnesium	2400	32	5.3	3.9	mg/Kg			1	6010C
Manganese	65	4.8	0.16	0.11	mg/Kg		Q	1	6010C
Molybdenum	0.53	2.7	0.53	0.28	mg/Kg	U		1	6010C
Nickel	9.9	4.3	0.21	0.13	mg/Kg			1	6010C
Potassium	820	320	53	44	mg/Kg			1	6010C
Selenium	1.3	3.2	1.3	0.92	mg/Kg	U		1	6010C
Silver	0.21	1.6	0.21	0.17	mg/Kg	U		1	6010C
Sodium	110	530	110	63	mg/Kg	U		1	6010C
Strontium	2.0	1.6	0.085	0.038	mg/Kg		Q	1	6010C
Thallium	1.3	3.2	1.3	0.69	mg/Kg	U		1	6010C
Vanadium	10	2.1	0.21	0.10	mg/Kg		Q	1	6010C
Zinc	32	8.5	0.85	0.42	mg/Kg			1	6010C
Mercury	7.6	21	17	6.9	ug/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474WW0102AA
Lab Sample ID: 280-48651-3
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/30/2013 11:25
Reporting Basis: DRY
Date Received: 10/31/2013 09:00
% Solids: 84.1

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5500	59	3.5	1.8	mg/Kg			1	6010C
Antimony	0.71	2.4	0.71	0.45	mg/Kg	U		1	6010C
Arsenic	0.84	2.9	1.2	0.78	mg/Kg	J		1	6010C
Barium	11	2.4	0.21	0.089	mg/Kg			1	6010C
Beryllium	0.20	0.59	0.082	0.039	mg/Kg	J		1	6010C
Boron	1.6	12	1.2	1.2	mg/Kg	J		1	6010C
Cadmium	0.12	0.59	0.12	0.048	mg/Kg	J		1	6010C
Calcium	300	120	24	17	mg/Kg			1	6010C
Chromium	5.0	4.1	0.18	0.068	mg/Kg			1	6010C
Cobalt	1.9	1.2	0.24	0.12	mg/Kg			1	6010C
Copper	4.2	5.9	0.59	0.26	mg/Kg	J		1	6010C
Iron	6000	94	5.9	4.5	mg/Kg			1	6010C
Lead	2.6	1.1	0.94	0.32	mg/Kg			1	6010C
Magnesium	1600	35	5.9	4.4	mg/Kg			1	6010C
Manganese	43	5.3	0.18	0.12	mg/Kg		Q	1	6010C
Molybdenum	0.59	2.9	0.59	0.31	mg/Kg	U		1	6010C
Nickel	6.4	4.7	0.24	0.14	mg/Kg			1	6010C
Potassium	700	350	59	48	mg/Kg			1	6010C
Selenium	1.4	3.5	1.4	1.0	mg/Kg	U		1	6010C
Silver	0.24	1.8	0.24	0.19	mg/Kg	U		1	6010C
Sodium	120	590	120	69	mg/Kg	U		1	6010C
Strontium	1.5	1.8	0.094	0.042	mg/Kg	J	Q	1	6010C
Thallium	1.4	3.5	1.4	0.77	mg/Kg	U		1	6010C
Vanadium	6.9	2.4	0.24	0.11	mg/Kg		Q	1	6010C
Zinc	29	9.4	0.94	0.47	mg/Kg			1	6010C
Mercury	26	22	18	7.3	ug/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474EW0102AA
Lab Sample ID: 280-48651-4
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/30/2013 11:35
Reporting Basis: DRY
Date Received: 10/31/2013 09:00
% Solids: 85.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5100	52	3.1	1.6	mg/Kg			1	6010C
Antimony	0.63	2.1	0.63	0.40	mg/Kg	U		1	6010C
Arsenic	1.0	2.6	1.0	0.69	mg/Kg	U		1	6010C
Barium	13	2.1	0.19	0.080	mg/Kg			1	6010C
Beryllium	0.18	0.52	0.073	0.035	mg/Kg	J		1	6010C
Boron	1.4	10	1.0	1.0	mg/Kg	J		1	6010C
Cadmium	0.17	0.52	0.10	0.043	mg/Kg	J		1	6010C
Calcium	410	100	21	15	mg/Kg			1	6010C
Chromium	4.4	3.7	0.16	0.061	mg/Kg			1	6010C
Cobalt	1.8	1.0	0.21	0.10	mg/Kg			1	6010C
Copper	2.4	5.2	0.52	0.23	mg/Kg	J		1	6010C
Iron	5200	84	5.2	4.0	mg/Kg			1	6010C
Lead	3.4	0.94	0.84	0.28	mg/Kg			1	6010C
Magnesium	1400	31	5.2	3.9	mg/Kg			1	6010C
Manganese	39	4.7	0.16	0.10	mg/Kg		Q	1	6010C
Molybdenum	0.52	2.6	0.52	0.27	mg/Kg	U		1	6010C
Nickel	5.6	4.2	0.21	0.13	mg/Kg			1	6010C
Potassium	580	310	52	43	mg/Kg			1	6010C
Selenium	1.3	3.1	1.3	0.90	mg/Kg	U		1	6010C
Silver	0.21	1.6	0.21	0.17	mg/Kg	U		1	6010C
Sodium	100	520	100	62	mg/Kg	U		1	6010C
Strontium	1.9	1.6	0.084	0.038	mg/Kg		Q	1	6010C
Thallium	1.3	3.1	1.3	0.68	mg/Kg	U		1	6010C
Vanadium	6.0	2.1	0.21	0.098	mg/Kg		Q	1	6010C
Zinc	30	8.4	0.84	0.42	mg/Kg			1	6010C
Mercury	23	22	17	7.1	ug/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474BT0103AA
Lab Sample ID: 280-48651-5
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/30/2013 11:45
Reporting Basis: DRY
Date Received: 10/31/2013 09:00
% Solids: 76.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5800	62	3.7	1.9	mg/Kg			1	6010C
Antimony	0.74	2.5	0.74	0.47	mg/Kg	U		1	6010C
Arsenic	1.5	3.1	1.2	0.82	mg/Kg	J		1	6010C
Barium	22	2.5	0.22	0.094	mg/Kg			1	6010C
Beryllium	0.21	0.62	0.087	0.041	mg/Kg	J		1	6010C
Boron	2.1	12	1.2	1.2	mg/Kg	J		1	6010C
Cadmium	0.47	0.62	0.12	0.051	mg/Kg	J		1	6010C
Calcium	1800	120	25	17	mg/Kg			1	6010C
Chromium	6.2	4.3	0.19	0.072	mg/Kg			1	6010C
Cobalt	2.3	1.2	0.25	0.12	mg/Kg			1	6010C
Copper	15	6.2	0.62	0.27	mg/Kg			1	6010C
Iron	9000	99	6.2	4.7	mg/Kg			1	6010C
Lead	28	1.1	0.99	0.33	mg/Kg			1	6010C
Magnesium	1800	37	6.2	4.6	mg/Kg			1	6010C
Manganese	66	5.6	0.19	0.12	mg/Kg		Q	1	6010C
Molybdenum	0.62	3.1	0.62	0.32	mg/Kg	U		1	6010C
Nickel	8.2	5.0	0.25	0.15	mg/Kg			1	6010C
Potassium	800	370	62	51	mg/Kg			1	6010C
Selenium	1.5	3.7	1.5	1.1	mg/Kg	U		1	6010C
Silver	0.25	1.9	0.25	0.20	mg/Kg	U		1	6010C
Sodium	120	620	120	73	mg/Kg	U		1	6010C
Strontium	10	1.9	0.099	0.045	mg/Kg		Q	1	6010C
Thallium	1.5	3.7	1.5	0.80	mg/Kg	U		1	6010C
Vanadium	9.8	2.5	0.25	0.12	mg/Kg		Q	1	6010C
Zinc	130	9.9	0.99	0.49	mg/Kg			1	6010C
Mercury	9.3	23	18	7.6	ug/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474SW0102AA
Lab Sample ID: 280-48651-6
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG ID.:
Matrix: Water
Date Sampled: 10/30/2013 11:55
Reporting Basis: WET
Date Received: 10/31/2013 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	7100	300	31	18	ug/L			1	6010C
Antimony	8.0	20	8.0	3.1	ug/L	U		1	6010C
Arsenic	5.3	25	12	4.4	ug/L	J		1	6010C
Barium	160	10	1.5	0.58	ug/L			1	6010C
Beryllium	0.59	1.5	0.50	0.47	ug/L	J		1	6010C
Boron	37	100	7.0	4.4	ug/L	J		1	6010C
Cadmium	7.8	5.0	0.80	0.45	ug/L			1	6010C
Calcium	39000	1000	80	35	ug/L			1	6010C
Chromium	6.4	15	1.5	0.66	ug/L	J	Q	1	6010C
Cobalt	14	15	2.0	1.2	ug/L	J		1	6010C
Copper	39	15	3.5	1.4	ug/L			1	6010C
Iron	3700	100	30	22	ug/L			1	6010C
Lead	18	15	5.0	2.6	ug/L			1	6010C
Magnesium	6000	500	25	11	ug/L			1	6010C
Manganese	380	10	0.50	0.25	ug/L		Q	1	6010C
Molybdenum	7.0	30	7.0	3.1	ug/L	U		1	6010C
Nickel	37	40	3.0	1.3	ug/L	J		1	6010C
Potassium	6100	3000	250	240	ug/L			1	6010C
Selenium	12	22	12	4.9	ug/L	U		1	6010C
Silver	2.0	15	2.0	0.93	ug/L	U		1	6010C
Sodium	5200	5000	250	92	ug/L			1	6010C
Thallium	12	40	12	4.9	ug/L	U		1	6010C
Vanadium	11	15	2.5	1.1	ug/L	J		1	6010C
Zinc	4800	150	13	4.5	ug/L			1	6010C
Strontium	160	10	0.50	0.30	ug/L		Q	1	6010C
Mercury	0.10	0.20	0.080	0.027	ug/L	J		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 103013AE
Lab Sample ID: 280-48651-7
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG ID.:
Matrix: Water
Date Sampled: 10/30/2013 14:15
Reporting Basis: WET
Date Received: 10/31/2013 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	31	300	31	18	ug/L	U		1	6010C
Antimony	8.0	20	8.0	3.1	ug/L	U		1	6010C
Arsenic	12	25	12	4.4	ug/L	U		1	6010C
Barium	1.5	10	1.5	0.58	ug/L	U		1	6010C
Beryllium	0.50	1.5	0.50	0.47	ug/L	U		1	6010C
Boron	6.0	100	7.0	4.4	ug/L	J		1	6010C
Cadmium	0.80	5.0	0.80	0.45	ug/L	U		1	6010C
Calcium	80	1000	80	35	ug/L	U		1	6010C
Chromium	1.5	15	1.5	0.66	ug/L	U	Q	1	6010C
Cobalt	2.0	15	2.0	1.2	ug/L	U		1	6010C
Copper	3.5	15	3.5	1.4	ug/L	U		1	6010C
Iron	30	100	30	22	ug/L	U		1	6010C
Lead	5.0	15	5.0	2.6	ug/L	U		1	6010C
Magnesium	25	500	25	11	ug/L	U		1	6010C
Manganese	0.34	10	0.50	0.25	ug/L	J	Q	1	6010C
Molybdenum	7.0	30	7.0	3.1	ug/L	U		1	6010C
Nickel	3.0	40	3.0	1.3	ug/L	U		1	6010C
Potassium	250	3000	250	240	ug/L	U		1	6010C
Selenium	12	22	12	4.9	ug/L	U		1	6010C
Silver	2.0	15	2.0	0.93	ug/L	U		1	6010C
Sodium	250	5000	250	92	ug/L	U		1	6010C
Thallium	12	40	12	4.9	ug/L	U		1	6010C
Vanadium	2.5	15	2.5	1.1	ug/L	U		1	6010C
Zinc	13	150	13	4.5	ug/L	U		1	6010C
Strontium	0.50	10	0.50	0.30	ug/L	U	Q	1	6010C
Mercury	0.080	0.20	0.080	0.027	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	ICVH 280-199917/6 11/07/2013 15:17				CCVH 280-199917/22 11/07/2013 22:51				CCVH 280-199917/34 11/07/2013 23:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	81400		80000	102	48100		50000	96	47300		50000	95
Aluminum	40500		40000	101	51200		50000	102	50700		50000	101
Sodium	41700		40000	104	259000		250000	104	257000		250000	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	CCVH 280-199917/47 11/07/2013 23:50											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	45600		50000	91								
Aluminum	49300		50000	99								
Sodium	248000		250000	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00103 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	ICV 280-199917/7 11/07/2013 15:22				CCV 280-199917/23 11/07/2013 22:54				CCV 280-199917/35 11/07/2013 23:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	253		250	101	995		1000	99	1000		1000	100
Barium	253		250	101	536		500	107	546		500	109
Beryllium	243		250	97	500		500	100	507		500	101
Boron	254		250	102	515		500	103	519		500	104
Cadmium	255		250	102	524		500	105	530		500	106
Calcium	2030		2000	101	4960		5000	99	5050		5000	101
Chromium	256		250	102	492		500	98	497		500	99
Cobalt	257		250	103	529		500	106	534		500	107
Copper	255		250	102	534		500	107	536		500	107
Iron	250		250	100	2410		2500	97	2470		2500	99
Lead	264		250	105	1050		1000	105	1060		1000	106
Magnesium	10000		10000	100	19400		20000	97	19700		20000	99
Manganese	254		250	102	525		500	105	531		500	106
Molybdenum	253		250	101	481		500	96	487		500	97
Nickel	257		250	103	504		500	101	509		500	102
Potassium	20200		20000	101	50800		50000	102	51800		50000	104
Selenium	497		500	99	1010		1000	101	1020		1000	102
Silver	255		250	102	514		500	103	519		500	104
Strontium	250		250	100	521		500	104	530		500	106
Thallium	528		500	106	1080		1000	108	1090		1000	109
Vanadium	251		250	100	509		500	102	514		500	103
Zinc	250		250	100	486		500	97	493		500	99
Aluminum	267		250	107	547		500	109				
Antimony	254		250	102	1080		1000	108	1090		1000	109

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00103 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	CCV 280-199917/48 11/07/2013 23:52											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	982		1000	98								
Barium	541		500	108								
Beryllium	499		500	100								
Boron	507		500	101								
Cadmium	520		500	104								
Calcium	4970		5000	99								
Chromium	489		500	98								
Cobalt	529		500	106								
Copper	528		500	106								
Iron	2410		2500	96								
Lead	1040		1000	104								
Magnesium	19400		20000	97								
Manganese	526		500	105								
Molybdenum	475		500	95								
Nickel	502		500	100								
Potassium	51300		50000	103								
Selenium	995		1000	99								
Silver	510		500	102								
Strontium	524		500	105								
Thallium	1080		1000	108								
Vanadium	509		500	102								
Zinc	486		500	97								
Aluminum	551		500	110								
Antimony	1070		1000	107								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01010 Concentration Units: ug/L

CCV Source: ICP LLCCV_01010

Analyte	ICVL 280-199917/8 11/07/2013 15:28				CCVL 280-199917/25 11/07/2013 22:58				CCVL 280-199917/37 11/07/2013 23:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	15.5		15.0	103	17.8		15.0	119	16.1		15.0	107
Barium	10.5		10.0	105	11.1		10.0	111	11.4		10.0	114
Beryllium	0.960	J	1.00	96	0.910	J	1.00	91	0.980	J	1.00	98
Boron	104		100	104	104		100	104	106		100	106
Cadmium	5.19		5.00	104	5.67		5.00	113	5.43		5.00	109
Calcium	213		200	107	200		200	100	207		200	104
Chromium	10.5		10.0	105	10.4		10.0	104	10.4		10.0	104
Cobalt	10.8		10.0	108	11.3		10.0	113	11.5		10.0	115
Copper	16.2		15.0	108	15.7		15.0	104	15.4		15.0	103
Iron	100		100	100	101		100	101	103		100	103
Lead	10.3		9.00	114	10.6		9.00	118	10.2		9.00	113
Magnesium	216		200	108	213		200	107	216		200	108
Manganese	10.6		10.0	106	11.1		10.0	111	11.2		10.0	112
Molybdenum	19.8	J	20.0	99	18.9	J	20.0	95	19.3	J	20.0	97
Nickel	42.8		40.0	107	42.8		40.0	107	43.4		40.0	109
Potassium	3140		3000	105	3240		3000	108	3270		3000	109
Selenium	15.7		15.0	105	14.2	J	15.0	94	17.7		15.0	118
Silver	10.9		10.0	109	11.2		10.0	112	10.8		10.0	108
Strontium	10.2		10.0	102	10.7		10.0	107	11.0		10.0	110
Thallium	16.9		15.0	113	18.8		15.0	125	18.4		15.0	123
Vanadium	9.85	J	10.0	99	10.0		10.0	100	10.1		10.0	101
Zinc	22.7		20.0	114	22.8		20.0	114	23.2		20.0	116
Aluminum	111		100	111	117		100	117	120		100	120
Antimony	10.5		10.0	105	11.2		10.0	112	11.4		10.0	114

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01010 Concentration Units: ug/L

CCV Source: ICP LLCCV_01010

Analyte	CCVL 280-199917/50 11/07/2013 23:56											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	17.9		15.0	119								
Barium	11.3		10.0	113								
Beryllium	0.970	J	1.00	97								
Boron	103		100	103								
Cadmium	5.19		5.00	104								
Calcium	202		200	101								
Chromium	10.1		10.0	101								
Cobalt	11.1		10.0	111								
Copper	14.9	J	15.0	99								
Iron	99.8	J	100	100								
Lead	10.8		9.00	120								
Magnesium	212		200	106								
Manganese	10.9		10.0	109								
Molybdenum	18.6	J	20.0	93								
Nickel	42.0		40.0	105								
Potassium	3190		3000	106								
Selenium	12.8	J	15.0	85								
Silver	11.4		10.0	114								
Strontium	10.7		10.0	107								
Thallium	17.8		15.0	119								
Vanadium	9.54	J	10.0	95								
Zinc	22.6		20.0	113								
Aluminum	117		100	117								
Antimony	11.2		10.0	112								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	ICVH 280-200251/6 11/08/2013 14:44				CCVH 280-200251/20 11/08/2013 16:11				CCVH 280-200251/33 11/08/2013 16:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40900		40000	102	50600		50000	101	50100		50000	100
Iron	81000		80000	101	50200		50000	100	49100		50000	98
Sodium	42000		40000	105	253000		250000	101	250000		250000	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	CCVH 280-200251/47 11/08/2013 17:28				CCVH 280-200251/62 11/08/2013 19:39				CCVH 280-200251/73 11/08/2013 20:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	51200		50000	102	51300		50000	103	51100		50000	102
Iron	49500		50000	99	48600		50000	97	49400		50000	99
Sodium	255000		250000	102	256000		250000	103	256000		250000	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	CCVH 280-200251/82 11/08/2013 20:24											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	51500		50000	103								
Iron	49200		50000	98								
Sodium	258000		250000	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	ICV 280-200251/8 11/08/2013 14:57				ICV 280-200251/9 11/08/2013 14:59				CCV 280-200251/22 11/08/2013 16:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	269		250	108	269		250	108	514		500	103
Arsenic	248		250	99	252		250	101	1010		1000	101
Barium	253		250	101	252		250	101	505		500	101
Beryllium	245		250	98	243		250	97	503		500	101
Cadmium	253		250	101	253		250	101	509		500	102
Calcium	2060		2000	103	2030		2000	102	5080		5000	102
Chromium	254		250	101	254		250	102	508		500	102
Cobalt	253		250	101	255		250	102	512		500	102
Copper	253		250	101	255		250	102	512		500	102
Iron	257		250	103	255		250	102	2490		2500	100
Lead	257		250	103	257		250	103	1030		1000	103
Magnesium	9990		10000	100	10100		10000	101	20000		20000	100
Manganese	252		250	101	254		250	102	504		500	101
Molybdenum	249		250	100	250		250	100	506		500	101
Nickel	256		250	102	256		250	102	514		500	103
Potassium	20300		20000	102	20100		20000	101	50600		50000	101
Selenium	495		500	99	497		500	99	1010		1000	101
Silver	251		250	100	252		250	101	505		500	101
Sodium	2030		2000	101	2030		2000	101	5190		5000	104
Strontium	251		250	100	250		250	100	504		500	101
Thallium	523		500	105	527		500	105	1040		1000	104
Vanadium	248		250	99	249		250	100	506		500	101
Zinc	254		250	102	256		250	103	501		500	100
Antimony	255		250	102	257		250	103	1040		1000	104
Boron	252		250	101	252		250	101	512		500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	CCV 280-200251/23 11/08/2013 16:28				CCV 280-200251/34 11/08/2013 16:58				CCV 280-200251/48 11/08/2013 17:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	514		500	103	520		500	104	521		500	104
Arsenic	1010		1000	101	983		1000	98	991		1000	99
Barium	506		500	101	503		500	101	508		500	102
Beryllium	504		500	101	498		500	100	503		500	101
Cadmium	509		500	102	499		500	100	501		500	100
Calcium	5090		5000	102	5020		5000	100	5090		5000	102
Chromium	510		500	102	499		500	100	501		500	100
Cobalt	512		500	102	505		500	101	509		500	102
Copper	511		500	102	503		500	101	505		500	101
Iron	2490		2500	100	2450		2500	98	2490		2500	100
Lead	1040		1000	104	1020		1000	102	1030		1000	103
Magnesium	20000		20000	100	19700		20000	98	19800		20000	99
Manganese	504		500	101	499		500	100	503		500	101
Molybdenum	509		500	102	502		500	100	503		500	101
Nickel	517		500	103	505		500	101	508		500	102
Potassium	50700		50000	101	50400		50000	101	51200		50000	102
Selenium	1010		1000	101	980		1000	98	985		1000	99
Silver	504		500	101	495		500	99	496		500	99
Sodium	5180		5000	104	5190		5000	104	5490		5000	110
Strontium	506		500	101	500		500	100	505		500	101
Thallium	1040		1000	104	1030		1000	103	1030		1000	103
Vanadium	507		500	101	501		500	100	506		500	101
Zinc	502		500	100	498		500	100	505		500	101
Antimony	1040		1000	104								
Boron	513		500	103	497		500	99	501		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	CCV 280-200251/63 11/08/2013 19:41				CCV 280-200251/74 11/08/2013 20:06				CCV 280-200251/83 11/08/2013 20:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	521		500	104	529		500	106	533		500	107
Arsenic	987		1000	99	988		1000	99	988		1000	99
Barium	509		500	102	509		500	102	509		500	102
Beryllium	503		500	101	502		500	100	500		500	100
Cadmium	503		500	101	503		500	101	502		500	100
Calcium	5060		5000	101	5050		5000	101	5060		5000	101
Chromium	497		500	99	499		500	100	498		500	100
Cobalt	508		500	102	510		500	102	509		500	102
Copper	512		500	102	513		500	103	507		500	101
Iron	2420		2500	97	2450		2500	98	2440		2500	97
Lead	1020		1000	102	1030		1000	103	1030		1000	103
Magnesium	19700		20000	99	19800		20000	99	19800		20000	99
Manganese	504		500	101	507		500	101	505		500	101
Molybdenum	498		500	100	501		500	100	498		500	100
Nickel	505		500	101	506		500	101	505		500	101
Potassium	51400		50000	103	51400		50000	103	51400		50000	103
Selenium	991		1000	99	992		1000	99	988		1000	99
Silver	498		500	100	498		500	100	495		500	99
Sodium	5420		5000	108	5330		5000	107	5310		5000	106
Strontium	504		500	101	505		500	101	504		500	101
Thallium	1040		1000	104	1040		1000	104	1040		1000	104
Vanadium	508		500	102	510		500	102	507		500	101
Zinc	499		500	100	505		500	101	502		500	100
Antimony	1020		1000	102	1020		1000	102	1010		1000	101
Boron	512		500	102	503		500	101	500		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01011 Concentration Units: ug/L

CCV Source: ICP LLCCV_01011

Analyte	ICVL 280-200251/10 11/08/2013 15:16				CCVL 280-200251/25 11/08/2013 16:38				CCVL 280-200251/36 11/08/2013 17:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	113		100	113	108		100	108	109		100	109
Arsenic	13.9	J	15.0	92	16.4		15.0	109	18.2		15.0	122
Barium	9.90	J	10.0	99	10.1		10.0	101	10.1		10.0	101
Beryllium	1.11		1.00	111	1.13		1.00	113	1.13		1.00	113
Cadmium	5.67		5.00	113	5.45		5.00	109	5.32		5.00	106
Calcium	213		200	107	212		200	106	210		200	105
Chromium	10.8		10.0	108	10.7		10.0	107	10.7		10.0	107
Cobalt	10.6		10.0	106	10.6		10.0	106	10.6		10.0	106
Copper	15.6		15.0	104	15.8		15.0	106	15.5		15.0	104
Iron	106		100	106	103		100	103	105		100	105
Lead	11.4		9.00	127	9.85		9.00	109	9.91		9.00	110
Magnesium	209		200	105	208		200	104	208		200	104
Manganese	10.4		10.0	104	10.4		10.0	104	10.4		10.0	104
Molybdenum	20.2		20.0	101	20.8		20.0	104	20.0		20.0	100
Nickel	42.2		40.0	106	42.3		40.0	106	42.1		40.0	105
Potassium	3090		3000	103	3090		3000	103	3070		3000	102
Selenium	14.9	J	15.0	99	16.1		15.0	107	16.7		15.0	111
Silver	9.75	J	10.0	98	10.0		10.0	100	9.71	J	10.0	97
Sodium	1040		1000	104	1070		1000	107	1080		1000	108
Strontium	10.4		10.0	104	10.4		10.0	104	10.3		10.0	103
Thallium	17.1		15.0	114	16.8		15.0	112	16.3		15.0	108
Vanadium	9.28	J	10.0	93	10.2		10.0	102	10.1		10.0	101
Zinc	24.4		20.0	122	24.8		20.0	124				
Antimony	11.2		10.0	112	11.7		10.0	117				
Boron	97.1	J	100	97	100		100	100	98.2	J	100	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01011 Concentration Units: ug/L

CCV Source: ICP LLCCV_01011

Analyte	CCVL 280-200251/50 11/08/2013 17:35				CCVL 280-200251/65 11/08/2013 19:46				CCVL 280-200251/76 11/08/2013 20:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	110		100	110	109		100	109	115		100	115
Arsenic	15.7		15.0	105	12.4	J	15.0	83	13.8	J	15.0	92
Barium	10.9		10.0	109	10.2		10.0	102	11.1		10.0	111
Beryllium	1.14		1.00	114	1.09		1.00	109	1.18		1.00	118
Cadmium	5.31		5.00	106	5.33		5.00	107	5.35		5.00	107
Calcium	215		200	108	211		200	106	221		200	110
Chromium	10.5		10.0	105	10.4		10.0	104	10.6		10.0	106
Cobalt	10.4		10.0	104	10.5		10.0	105	10.9		10.0	109
Copper	15.6		15.0	104	15.2		15.0	102	15.9		15.0	106
Iron	105		100	105	103		100	103	118		100	118
Lead	9.21		9.00	102	10.3		9.00	114	10.7		9.00	118
Magnesium	212		200	106	205		200	103	211		200	106
Manganese	10.6		10.0	106	10.4		10.0	104	10.6		10.0	106
Molybdenum	20.3		20.0	102	20.0		20.0	100	20.4		20.0	102
Nickel	42.3		40.0	106	42.2		40.0	105	42.4		40.0	106
Potassium	3120		3000	104	3140		3000	105	3270		3000	109
Selenium	13.1	J	15.0	87	16.9		15.0	113	15.1		15.0	101
Silver	9.63	J	10.0	96	10.3		10.0	103	9.73	J	10.0	97
Sodium	1180		1000	118	1140		1000	114	1150		1000	115
Strontium	10.4		10.0	104	10.2		10.0	102	10.7		10.0	107
Thallium	16.2		15.0	108	17.4		15.0	116	16.8		15.0	112
Vanadium	10.1		10.0	101	9.82	J	10.0	98	9.93	J	10.0	99
Zinc	25.0		20.0	125	23.7		20.0	118	25.7		20.0	129
Antimony					11.8		10.0	118	11.0		10.0	110
Boron	98.9	J	100	99	105		100	105	101		100	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01011 Concentration Units: ug/L

CCV Source: ICP LLCCV_01011

Analyte	CCVL 280-200251/85 11/08/2013 20:30											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	118		100	118								
Arsenic	17.2		15.0	115								
Barium	10.6		10.0	106								
Beryllium	1.11		1.00	111								
Cadmium	5.15		5.00	103								
Calcium	212		200	106								
Chromium	10.5		10.0	105								
Cobalt	10.3		10.0	103								
Copper	15.4		15.0	103								
Iron	109		100	109								
Lead	11.2		9.00	124								
Magnesium	209		200	105								
Manganese	10.4		10.0	104								
Molybdenum	20.3		20.0	101								
Nickel	41.7		40.0	104								
Potassium	3150		3000	105								
Selenium	16.5		15.0	110								
Silver	9.34	J	10.0	93								
Sodium	1090		1000	109								
Strontium	10.3		10.0	103								
Thallium	15.8		15.0	105								
Vanadium	10.2		10.0	102								
Zinc	24.5		20.0	122								
Antimony												
Boron	96.7	J	100	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	ICVH 280-200481/6 11/11/2013 15:37				CCVH 280-200481/74 11/11/2013 18:39				CCVH 280-200481/85 11/11/2013 19:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40800		40000	102	51400		50000	103	51300		50000	103
Iron	81000		80000	101	50900		50000	102	51000		50000	102
Sodium	41800		40000	105	260000		250000	104	259000		250000	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	CCVH 280-200481/94 11/11/2013 19:24											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	51200		50000	102								
Iron	50600		50000	101								
Sodium	260000		250000	104								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	ICV 280-200481/7 11/11/2013 15:42				CCV 280-200481/75 11/11/2013 18:42				CCV 280-200481/86 11/11/2013 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	255		250	102	523		500	105	523		500	105
Boron	256		250	102	501		500	100	502		500	100
Antimony	249		250	99	995		1000	99	998		1000	100
Arsenic	251		250	100	996		1000	100	998		1000	100
Barium	250		250	100	495		500	99	495		500	99
Beryllium	243		250	97	492		500	98	493		500	99
Cadmium	252		250	101	500		500	100	500		500	100
Calcium	2020		2000	101	5040		5000	101	5050		5000	101
Chromium	252		250	101	506		500	101	505		500	101
Cobalt	254		250	102	504		500	101	504		500	101
Copper	252		250	101	497		500	99	501		500	100
Iron	251		250	100	2480		2500	99	2510		2500	100
Lead	255		250	102	1020		1000	102	1020		1000	102
Magnesium	10000		10000	100	19600		20000	98	19800		20000	99
Manganese	251		250	101	492		500	98	497		500	99
Molybdenum	247		250	99	510		500	102	509		500	102
Nickel	255		250	102	509		500	102	510		500	102
Potassium	20000		20000	100	50100		50000	100	50300		50000	101
Selenium	507		500	101	999		1000	100	1000		1000	100
Silver	253		250	101	494		500	99	497		500	99
Sodium	2040		2000	102	5370		5000	107	5230		5000	105
Strontium	248		250	99	494		500	99	494		500	99
Thallium	523		500	105	1020		1000	102	1020		1000	102
Vanadium	245		250	98	493		500	99	500		500	100
Zinc	250		250	100	497		500	99	503		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	CCV 280-200481/95 11/11/2013 19:26											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	532		500	106								
Boron	500		500	100								
Antimony	1000		1000	100								
Arsenic	1000		1000	100								
Barium	502		500	100								
Beryllium	498		500	100								
Cadmium	501		500	100								
Calcium	5100		5000	102								
Chromium	508		500	102								
Cobalt	506		500	101								
Copper	503		500	101								
Iron	2520		2500	101								
Lead	1020		1000	102								
Magnesium	20000		20000	100								
Manganese	500		500	100								
Molybdenum	513		500	103								
Nickel	512		500	102								
Potassium	51100		50000	102								
Selenium	1010		1000	101								
Silver	499		500	100								
Sodium	5220		5000	104								
Strontium	501		500	100								
Thallium	1030		1000	103								
Vanadium	503		500	101								
Zinc	510		500	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01012 Concentration Units: ug/L

CCV Source: ICP LLCCV_01012

Analyte	ICVL 280-200481/8 11/11/2013 15:45				CCVL 280-200481/77 11/11/2013 18:46				CCVL 280-200481/88 11/11/2013 19:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	107		100	107	109		100	109	108		100	108
Boron	98.7	J	100	99	103		100	103	101		100	101
Antimony	10.4		10.0	104	9.29	J	10.0	93	7.43	J	10.0	74
Arsenic	16.4		15.0	110	18.2		15.0	121	16.9		15.0	112
Barium	10.6		10.0	106	11.3		10.0	113	10.4		10.0	104
Beryllium	1.03		1.00	103	1.15		1.00	115	0.960	J	1.00	96
Cadmium	5.27		5.00	105	5.20		5.00	104	5.16		5.00	103
Calcium	223		200	111					216		200	108
Chromium	10.7		10.0	107	10.6		10.0	106	10.6		10.0	106
Cobalt	11.0		10.0	110	11.3		10.0	113	11.1		10.0	111
Copper	16.1		15.0	107	16.3		15.0	108	15.8		15.0	105
Iron	108		100	108	122		100	122	105		100	105
Lead	10.7		9.00	119	9.85		9.00	109	10.2		9.00	114
Magnesium	217		200	108	214		200	107	211		200	106
Manganese	10.9		10.0	109	10.5		10.0	105	10.5		10.0	105
Molybdenum	20.7		20.0	104	20.7		20.0	104	20.5		20.0	103
Nickel	43.5		40.0	109	43.7		40.0	109	43.9		40.0	110
Potassium	3180		3000	106	3240		3000	108	3160		3000	105
Selenium	16.5		15.0	110	13.9	J	15.0	93	12.8	J	15.0	85
Silver	10.6		10.0	106	10.8		10.0	108	10.7		10.0	107
Sodium	1100		1000	110					1110		1000	111
Strontium	10.6		10.0	106					10.5		10.0	105
Thallium	17.7		15.0	118	16.6		15.0	111	16.4		15.0	109
Vanadium	10.5		10.0	105	10.3		10.0	103	10.5		10.0	105
Zinc	23.1		20.0	115	23.5		20.0	118	23.1		20.0	116

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01012 Concentration Units: ug/L

CCV Source: ICP LLCCV_01012

Analyte	CCVL 280-200481/97 11/11/2013 19:31											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	114		100	114								
Boron	103		100	103								
Antimony	11.5		10.0	115								
Arsenic	17.4		15.0	116								
Barium	10.6		10.0	106								
Beryllium	1.07		1.00	107								
Cadmium	5.41		5.00	108								
Calcium	226		200	113								
Chromium	11.0		10.0	110								
Cobalt	11.2		10.0	112								
Copper	16.4		15.0	109								
Iron	111		100	111								
Lead	10.1		9.00	112								
Magnesium	220		200	110								
Manganese	10.9		10.0	109								
Molybdenum	21.1		20.0	105								
Nickel	44.6		40.0	111								
Potassium	3220		3000	107								
Selenium	13.1	J	15.0	87								
Silver	11.3		10.0	113								
Sodium	1120		1000	112								
Strontium	10.7		10.0	107								
Thallium	17.4		15.0	116								
Vanadium	10.9		10.0	109								
Zinc	24.5		20.0	123								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00123 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	ICVH 280-201175/6 11/14/2013 14:37				CCVH 280-201175/21 11/14/2013 16:07				CCVH 280-201175/34 11/14/2013 16:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39400		40000	99	50000		50000	100	50200		50000	100
Iron	80100		80000	100	50100		50000	100	50700		50000	101
Sodium	41300		40000	103	251000		250000	100	251000		250000	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00123 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	CCVH 280-201175/45 11/14/2013 17:20				CCVH 280-201175/59 11/14/2013 18:03							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	50700		50000	101	49900		50000	100				
Iron	51300		50000	103	50500		50000	101				
Sodium	253000		250000	101	250000		250000	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	ICV 280-201175/7 11/14/2013 14:40				CCV 280-201175/22 11/14/2013 16:09				CCV 280-201175/35 11/14/2013 16:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	246		250	98	991		1000	99	1020		1000	102
Aluminum	258		250	103	511		500	102	519		500	104
Arsenic	249		250	100	983		1000	98	1010		1000	101
Barium	248		250	99	493		500	99	502		500	100
Beryllium	239		250	96	485		500	97	493		500	99
Boron	255		250	102	505		500	101	506		500	101
Cadmium	249		250	99	488		500	98	497		500	99
Calcium	1990		2000	100	4880		5000	98	4940		5000	99
Chromium	251		250	100	501		500	100	514		500	103
Cobalt	249		250	100	497		500	99	506		500	101
Copper	247		250	99	494		500	99	503		500	101
Iron	261		250	104	2500		2500	100	2560		2500	102
Lead	248		250	99	990		1000	99	997		1000	100
Magnesium	10000		10000	100	19500		20000	98	19900		20000	99
Manganese	250		250	100	489		500	98	496		500	99
Molybdenum	246		250	98	504		500	101	513		500	103
Nickel	254		250	102	504		500	101	516		500	103
Potassium	19700		20000	98	48400		50000	97	49200		50000	98
Selenium	511		500	102	984		1000	98	1010		1000	101
Silver	254		250	102	496		500	99	509		500	102
Sodium	2040		2000	102	4960		5000	99	5100		5000	102
Strontium	246		250	98	490		500	98	498		500	100
Thallium	508		500	102	996		1000	100	1010		1000	101
Vanadium	244		250	97	485		500	97	492		500	98
Zinc	255		250	102	491		500	98	500		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	CCV 280-201175/46 11/14/2013 17:23				CCV 280-201175/60 11/14/2013 18:05							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	1010		1000	101	999		1000	100				
Aluminum	543		500	109	526		500	105				
Arsenic	1000		1000	100	996		1000	100				
Barium	500		500	100	493		500	99				
Beryllium	489		500	98	479		500	96				
Boron	506		500	101	501		500	100				
Cadmium	494		500	99	489		500	98				
Calcium	4930		5000	99	4830		5000	97				
Chromium	516		500	103	512		500	102				
Cobalt	505		500	101	499		500	100				
Copper	500		500	100	497		500	99				
Iron	2580		2500	103	2520		2500	101				
Lead	997		1000	100	986		1000	99				
Magnesium	20100		20000	101	19900		20000	100				
Manganese	499		500	100	493		500	99				
Molybdenum	516		500	103	511		500	102				
Nickel	519		500	104	514		500	103				
Potassium	48900		50000	98	48100		50000	96				
Selenium	1010		1000	101	1010		1000	101				
Silver	513		500	103	512		500	102				
Sodium	5140		5000	103	5010		5000	100				
Strontium	495		500	99	488		500	98				
Thallium	1010		1000	101	999		1000	100				
Vanadium	496		500	99	488		500	98				
Zinc	507		500	101	503		500	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01015 Concentration Units: ug/L

CCV Source: ICP LLCCV_01015

Analyte	ICVL 280-201175/9 11/14/2013 15:04				ICVL 280-201175/10 11/14/2013 15:07				CCVL 280-201175/24 11/14/2013 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	9.85	J	10.0	99	11.8		10.0	118	9.80	J	10.0	98
Aluminum	105		100	105	106		100	106	109		100	109
Arsenic	14.5	J	15.0	97	14.4	J	15.0	96	15.4		15.0	102
Barium	10.5		10.0	105	10.2		10.0	102	10.2		10.0	102
Beryllium	0.890	J	1.00	89	1.03		1.00	103	1.02		1.00	102
Boron	99.4	J	100	99	101		100	101	105		100	105
Cadmium	4.96	J	5.00	99	5.08		5.00	102	5.04		5.00	101
Calcium	211		200	106	217		200	109	219		200	109
Chromium	10.3		10.0	103	10.4		10.0	104	10.6		10.0	106
Cobalt	10.1		10.0	101	10.5		10.0	105	10.4		10.0	104
Copper	15.1		15.0	101	15.1		15.0	101	15.1		15.0	101
Iron	99.9	J	100	100	102		100	102	106		100	106
Lead	8.85	J	9.00	98	8.40	J	9.00	93	9.41		9.00	105
Magnesium	206		200	103	208		200	104	214		200	107
Manganese	10.2		10.0	102	10.4		10.0	104	10.4		10.0	104
Molybdenum	20.3		20.0	102	20.4		20.0	102	19.8	J	20.0	99
Nickel	41.4		40.0	103	41.9		40.0	105	42.9		40.0	107
Potassium	2980	J	3000	99	3060		3000	102	3000		3000	100
Selenium	16.1		15.0	107	13.1	J	15.0	87	17.8		15.0	119
Silver	10.2		10.0	102	10.1		10.0	101	9.90	J	10.0	99
Sodium	991	J	1000	99	1030		1000	103	1050		1000	105
Strontium	10.0		10.0	100	10.0		10.0	100	10.1		10.0	101
Thallium	16.3		15.0	108	15.7		15.0	105	16.6		15.0	111
Vanadium	9.85	J	10.0	99	10.4		10.0	104	10.1		10.0	101
Zinc	20.7		20.0	103	21.4		20.0	107	24.8		20.0	124

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01015 Concentration Units: ug/L

CCV Source: ICP LLCCV_01015

Analyte	CCVL 280-201175/37 11/14/2013 17:01				CCVL 280-201175/48 11/14/2013 17:29				CCVL 280-201175/62 11/14/2013 18:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	9.96	J	10.0	100	11.5		10.0	115	11.6		10.0	116
Aluminum	108		100	108	111		100	111	109		100	109
Arsenic	13.7	J	15.0	91	11.6	J	15.0	77	14.7	J	15.0	98
Barium	10.2		10.0	102	10.5		10.0	105	10.7		10.0	107
Beryllium	1.04		1.00	104	1.02		1.00	102	1.05		1.00	105
Boron	98.7	J	100	99	99.8	J	100	100	100		100	100
Cadmium	5.00		5.00	100	4.77	J	5.00	95	4.99	J	5.00	100
Calcium	220		200	110	217		200	109	214		200	107
Chromium	10.5		10.0	105	10.7		10.0	107	10.6		10.0	106
Cobalt	10.5		10.0	105	10.6		10.0	106	10.5		10.0	105
Copper	15.3		15.0	102	15.4		15.0	103	14.7	J	15.0	98
Iron	101		100	101	104		100	104	103		100	103
Lead	8.01	J	9.00	89	9.83		9.00	109	9.25		9.00	103
Magnesium	207		200	104	211		200	105	213		200	106
Manganese	10.2		10.0	102	10.5		10.0	105	10.4		10.0	104
Molybdenum	19.6	J	20.0	98	20.1		20.0	100	20.4		20.0	102
Nickel	42.5		40.0	106	43.1		40.0	108	43.3		40.0	108
Potassium	3010		3000	100	2960	J	3000	99	3020		3000	101
Selenium	15.3		15.0	102	19.0		15.0	127	11.8	J	15.0	79
Silver	10.6		10.0	106	9.64	J	10.0	96	9.75	J	10.0	98
Sodium	1050		1000	105	1070		1000	107	1090		1000	109
Strontium	9.96	J	10.0	100	9.90	J	10.0	99	10.1		10.0	101
Thallium	16.7		15.0	111	16.3		15.0	109	15.8		15.0	105
Vanadium	9.59	J	10.0	96	9.63	J	10.0	96	9.64	J	10.0	96
Zinc	25.2		20.0	126	25.0		20.0	125	25.1		20.0	125

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVH_00123 Concentration Units: ug/L

CCV Source: ICP CCVH_00293

Analyte	ICVH 280-201485/6 11/15/2013 15:38				CCVH 280-201485/21 11/15/2013 22:27				CCVH 280-201485/35 11/15/2013 23:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39700		40000	99	49900		50000	100	50300		50000	101
Iron	79600		80000	100	49400		50000	99	48800		50000	98
Sodium	40500		40000	101	262000		250000	105	266000		250000	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	ICV 280-201485/7 11/15/2013 15:43				CCV 280-201485/22 11/15/2013 22:29				CCV 280-201485/36 11/15/2013 23:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	253		250	101	1050		1000	105	1030		1000	103
Aluminum	264		250	106	524		500	105	515		500	103
Arsenic	261		250	104	1030		1000	103	1020		1000	102
Barium	246		250	98	509		500	102	509		500	102
Beryllium	237		250	95	499		500	100	497		500	99
Boron	264		250	106	524		500	105	523		500	105
Cadmium	264		250	105	508		500	102	504		500	101
Calcium	1980		2000	99	5080		5000	102	5020		5000	100
Chromium	250		250	100	514		500	103	510		500	102
Cobalt	254		250	102	509		500	102	507		500	101
Copper	251		250	101	509		500	102	501		500	100
Iron	245		250	98	2510		2500	101	2470		2500	99
Lead	262		250	105	1060		1000	106	1050		1000	105
Magnesium	10200		10000	102	19100		20000	96	19100		20000	95
Manganese	250		250	100	493		500	99	493		500	99
Molybdenum	246		250	98	518		500	104	510		500	102
Nickel	256		250	102	525		500	105	517		500	103
Potassium	19600		20000	98	52500		50000	105	52700		50000	105
Selenium	539		500	108	1050		1000	105	1040		1000	104
Silver	259		250	104	498		500	100	493		500	99
Sodium	1950		2000	98	5190		5000	104	5300		5000	106
Strontium	246		250	98	501		500	100	500		500	100
Thallium	542		500	108	1040		1000	104	1040		1000	104
Vanadium	244		250	98	491		500	98	489		500	98
Zinc	256		250	102	474		500	95	475		500	95

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: ICP LLCCV_01016 Concentration Units: ug/L

CCV Source: ICP LLCCV_01016

Analyte	ICVL 280-201485/8 11/15/2013 15:54				CCVL 280-201485/24 11/15/2013 22:34				CCVL 280-201485/38 11/15/2013 23:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	12.7		10.0	127	10.4		10.0	104	9.87	J	10.0	99
Aluminum	107		100	107	120		100	120	111		100	111
Arsenic	13.9	J	15.0	92	16.1		15.0	107	15.8		15.0	106
Barium	9.99	J	10.0	100	10.4		10.0	104	10.2		10.0	102
Beryllium	0.940	J	1.00	94	1.00		1.00	100	0.970	J	1.00	97
Boron	98.3	J	100	98	106		100	106	110		100	110
Cadmium	5.22		5.00	104	5.51		5.00	110	5.52		5.00	110
Calcium	208		200	104	218		200	109	212		200	106
Chromium	10.3		10.0	103	10.6		10.0	106	10.9		10.0	109
Cobalt	10.6		10.0	106	10.8		10.0	108	10.8		10.0	108
Copper	15.2		15.0	101	15.2		15.0	101	15.0		15.0	100
Iron	105		100	105	116		100	116	106		100	106
Lead	9.86		9.00	110	10.7		9.00	119	11.2		9.00	125
Magnesium	206		200	103	209		200	104	208		200	104
Manganese	10.2		10.0	102	10.4		10.0	104	10.7		10.0	107
Molybdenum	19.7	J	20.0	99	20.7		20.0	103	20.6		20.0	103
Nickel	41.6		40.0	104	43.4		40.0	109	44.1		40.0	110
Potassium	2890	J	3000	96	3200		3000	107	3220		3000	107
Selenium	15.6		15.0	104	17.4		15.0	116	16.3		15.0	108
Silver	9.64	J	10.0	96	9.64	J	10.0	96	10.5		10.0	105
Sodium	980	J	1000	98	1020		1000	102	1100		1000	110
Strontium	9.92	J	10.0	99	10.3		10.0	103	10.2		10.0	102
Thallium	16.0		15.0	107	16.3		15.0	108	16.6		15.0	111
Vanadium	9.29	J	10.0	93	9.21	J	10.0	92	9.56	J	10.0	96
Zinc	22.8		20.0	114	23.0		20.0	115	25.8		20.0	129

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: Hg Soil ICV_00098 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00493

Analyte	ICV 280-200988/8 11/13/2013 17:57				CCV 280-200988/23 11/13/2013 18:38				CCV 280-200988/35 11/13/2013 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.23		4.00	106	5.31		5.00	106	5.41		5.00	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: Hg Soil ICV_00098 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00493

Analyte	CCV 280-200988/42 11/13/2013 19:22											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.37		5.00	107								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: Hg H20 ICV_00622 Concentration Units: ug/L

CCV Source: Hg H2O CCV_00609

Analyte	ICV 280-200323/8 11/08/2013 16:22				CCV 280-200323/47 11/08/2013 17:52				CCV 280-200323/59 11/08/2013 18:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.13		4.00	103	4.97		5.00	99	5.05		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

ICV Source: Hg H20 ICV_00622 Concentration Units: ug/L

CCV Source: Hg H2O CCV_00609

Analyte	CCV 280-200323/71 11/08/2013 18:48				CCV 280-200323/83 11/08/2013 19:15							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.95		5.00	99	4.87		5.00	97				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-199917/13 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	106		106	80-120
Arsenic	10.0	11.7	J	117	80-120
Barium	5.00	5.02	J	100	80-120
Beryllium	1.00	0.980	J	98	80-120
Boron	100	98.4	J	98	50-150
Cadmium	5.00	4.99	J	100	80-120
Calcium	200	205		103	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.27		105	80-120
Copper	10.0	9.90	J	99	80-120
Iron	30.0	26.8	J	89	80-120
Magnesium	200	203		101	80-120
Manganese	3.00	3.03	J	101	80-120
Molybdenum	10.0	10.0	J	100	80-120
Nickel	10.0	10.3	J	103	80-120
Potassium	1000	1010	J	101	80-120
Silver	10.0	9.63	J	96	80-120
Sodium	1000	1040		104	80-120
Thallium	10.0	10.6	J	106	80-120
Vanadium	10.0	9.17	J	92	80-120
Strontium	5.00	5.00	J	100	80-120
Zinc	10.0	11.8	J	118	80-120

Lab Sample ID: CRI 280-199917/14 Concentration Units: ug/L

CRQL Check Standard Source: Alt Pb Sb Se_00008

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Lead	9.00	10.5		117	80-120
Selenium	15.0	15.4		103	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-200251/14 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01033

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	106		106	80-120
Antimony	10.0	10.1		101	80-120
Arsenic	10.0	10.3	J	103	80-120
Beryllium	1.00	1.10		110	80-120
Boron	100	92.6	J	93	50-150
Cadmium	5.00	4.82	J	96	80-120
Calcium	200	205		102	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	4.91	J	98	80-120
Copper	10.0	9.42	J	94	80-120
Lead	3.00	3.43	J	114	80-120
Magnesium	200	196	J	98	80-120
Manganese	3.00	3.14	J	105	80-120
Molybdenum	10.0	9.85	J	99	80-120
Nickel	10.0	10.2	J	102	80-120
Potassium	1000	1010	J	101	80-120
Selenium	10.0	11.6	J	116	80-120
Silver	10.0	9.19	J	92	80-120
Sodium	1000	999	J	100	80-120
Thallium	10.0	11.3	J	113	80-120
Vanadium	10.0	9.46	J	95	80-120
Strontium	5.00	5.02	J	100	80-120

Lab Sample ID: CRI 280-200251/15 Concentration Units: ug/L

CRQL Check Standard Source: Alt Ba Fe Zn_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Barium	10.0	10.0		100	80-120
Iron	50.0	51.9	J	104	80-120
Zinc	20.0	22.9		115	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-200481/13 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	100		100	80-120
Antimony	10.0	9.39	J	94	80-120
Arsenic	10.0	11.4	J	114	80-120
Barium	5.00	4.71	J	94	80-120
Beryllium	1.00	0.960	J	96	80-120
Boron	100	92.7	J	93	50-150
Cadmium	5.00	4.87	J	97	80-120
Calcium	200	208		104	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.42		108	80-120
Copper	10.0	9.99	J	100	80-120
Iron	30.0	27.3	J	91	80-120
Lead	3.00	2.62	J	87	80-120
Magnesium	200	197	J	99	80-120
Manganese	3.00	3.06	J	102	80-120
Molybdenum	10.0	9.65	J	97	80-120
Nickel	10.0	10.6	J	106	80-120
Potassium	1000	957	J	96	80-120
Selenium	10.0	8.36	J	84	80-120
Silver	10.0	10.4		104	80-120
Sodium	1000	984	J	98	80-120
Thallium	10.0	10.7	J	107	80-120
Vanadium	10.0	10.1		101	80-120
Strontium	5.00	5.02	J	100	80-120
Zinc	10.0	12.0	J	120	80-120

Lab Sample ID: CRI 280-201175/15 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01037

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	102		102	80-120
Antimony	10.0	8.49	J	85	80-120
Arsenic	10.0	8.86	J	89	80-120
Barium	5.00	5.01	J	100	80-120
Beryllium	1.00	0.990	J	99	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-201175/15 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01037

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Boron	100	94.7	J	95	50-150
Cadmium	5.00	4.70	J	94	80-120
Calcium	200	199	J	99	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.08		102	80-120
Copper	10.0	10.3	J	103	80-120
Iron	30.0	28.9	J	96	80-120
Lead	3.00	2.65	J	88	80-120
Magnesium	200	196	J	98	80-120
Manganese	3.00	3.06	J	102	80-120
Molybdenum	10.0	9.54	J	95	80-120
Nickel	10.0	10.2	J	102	80-120
Potassium	1000	1010	J	101	80-120
Silver	10.0	9.94	J	99	80-120
Sodium	1000	980	J	98	80-120
Thallium	10.0	11.8	J	118	80-120
Vanadium	10.0	9.15	J	92	80-120
Strontium	5.00	4.80	J	96	80-120

Lab Sample ID: CRI 280-201175/17 Concentration Units: ug/L

CRQL Check Standard Source: Alt Se_00058

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	20.0	20.7		103	80-120

Lab Sample ID: CRI 280-201485/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01038

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	107		107	80-120
Antimony	10.0	9.10	J	91	80-120
Arsenic	10.0	11.2	J	112	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-201485/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01038

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Barium	5.00	4.53	J	91	80-120
Beryllium	1.00	0.980	J	98	80-120
Boron	100	98.8	J	99	50-150
Cadmium	5.00	5.24		105	80-120
Calcium	200	211		105	80-120
Chromium	10.0	10.2		102	80-120
Cobalt	5.00	5.02		100	80-120
Copper	10.0	10.0	J	100	80-120
Iron	30.0	33.3	J	111	80-120
Lead	3.00	3.53	J	118	80-120
Magnesium	200	200		100	80-120
Manganese	3.00	3.03	J	101	80-120
Molybdenum	10.0	9.72	J	97	80-120
Nickel	10.0	10.3	J	103	80-120
Potassium	1000	948	J	95	80-120
Silver	10.0	9.85	J	99	80-120
Sodium	1000	962	J	96	80-120
Thallium	10.0	10.2	J	102	80-120
Vanadium	10.0	9.41	J	94	80-120
Strontium	5.00	4.89	J	98	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-199917/11 11/07/2013 15:38		CCB 280-199917/24 11/07/2013 22:56		CCB 280-199917/36 11/07/2013 23:23		CCB 280-199917/49 11/07/2013 23:54	
		Found	C	Found	C	Found	C	Found	C
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Boron	100	7.0	U	7.0	U	7.0	U	7.0	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	80	U	80	U	80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Strontium	10	0.50	U	0.50	U	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U
Aluminum	100	30	U	30	U	30	U	30	U
Antimony	10	3.99	J	4.32	J	4.99	J		
Sodium	1000	250	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200251/13 11/08/2013 15:24		CCB 280-200251/24 11/08/2013 16:35		CCB 280-200251/35 11/08/2013 17:01		CCB 280-200251/49 11/08/2013 17:33	
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U	30	U	30	U
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	80	U	80	U	80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	250	U	250	U	140	J
Strontium	10	0.50	U	0.50	U	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U
Antimony	10	4.27	J	8.0	U				
Boron	100	7.0	U	4.44	J	7.0	U	7.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-200251/64 11/08/2013 19:44		CCB 280-200251/75 11/08/2013 20:08		CCB 280-200251/84 11/08/2013 20:28			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U				
Arsenic	15	12	U	12	U	12	U		
Barium	10	1.5	U	1.5	U	1.5	U		
Beryllium	1.0	0.50	U	0.50	U	0.50	U		
Cadmium	5.0	0.80	U	0.80	U	0.80	U		
Calcium	200	8.20	J	80	U	80	U		
Chromium	10	1.5	U	1.5	U	1.5	U		
Cobalt	5.0	2.0	U	2.0	U	2.0	U		
Copper	15	3.5	U	3.5	U	3.5	U		
Iron	100	30	U	30	U	30	U		
Lead	9.0	5.0	U	5.0	U	5.0	U		
Magnesium	200	25	U	25	U	25	U		
Manganese	10	0.50	U	0.50	U	0.50	U		
Molybdenum	20	7.0	U	7.0	U	7.0	U		
Nickel	40	3.0	U	3.0	U	3.0	U		
Potassium	3000	250	U	250	U	250	U		
Selenium	15	12	U	12	U	6.29	J		
Silver	10	2.0	U	2.0	U	2.0	U		
Sodium	1000	109	J	250	U	250	U		
Strontium	10	0.50	U	0.50	U	0.50	U		
Thallium	15	12	U	12	U	12	U		
Vanadium	10	2.5	U	2.5	U	2.5	U		
Zinc	20	13	U	13	U	13	U		
Antimony	10			7.37	J	7.62	J		
Boron	100			7.0	U	7.0	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200481/12 11/11/2013 16:01		CCB 280-200481/76 11/11/2013 18:44		CCB 280-200481/87 11/11/2013 19:08		CCB 280-200481/96 11/11/2013 19:29	
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U	30	U	30	U
Boron	100	7.0	U	7.0	U	7.0	U	7.0	U
Antimony	10	8.0	U			6.47	J	6.60	J
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	80	U	3.81	J	5.92	J
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	226	J	250	U	250	U
Strontium	10	0.50	U	0.470	J	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-201175/14 11/14/2013 15:24		CCB 280-201175/23 11/14/2013 16:12		CCB 280-201175/36 11/14/2013 16:53		CCB 280-201175/47 11/14/2013 17:25	
		Found	C	Found	C	Found	C	Found	C
Antimony	10	8.0	U	5.06	J	5.36	J	6.74	J
Aluminum	100	30	U	30	U	30	U	30	U
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Boron	100	7.0	U	9.43	J	7.0	U	7.0	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	80	U	80	U	80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.260	J	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	250	U	250	U	250	U
Strontium	10	0.50	U	0.50	U	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-201175/61 11/14/2013 18:07							
		Found	C	Found	C	Found	C	Found	C
Antimony	10	4.06	J						
Aluminum	100	30	U						
Arsenic	15	12	U						
Barium	10	1.5	U						
Beryllium	1.0	0.50	U						
Boron	100	7.0	U						
Cadmium	5.0	0.80	U						
Calcium	200	80	U						
Chromium	10	1.5	U						
Cobalt	5.0	2.0	U						
Copper	15	3.5	U						
Iron	100	30	U						
Lead	9.0	5.0	U						
Magnesium	200	25	U						
Manganese	10	0.50	U						
Molybdenum	20	7.0	U						
Nickel	40	3.0	U						
Potassium	3000	250	U						
Selenium	15	12	U						
Silver	10	2.0	U						
Sodium	1000	250	U						
Strontium	10	0.50	U						
Thallium	15	12	U						
Vanadium	10	2.5	U						
Zinc	20	13	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-201485/11 11/15/2013 16:01		CCB 280-201485/23 11/15/2013 22:32		CCB 280-201485/37 11/15/2013 23:05			
		Found	C	Found	C	Found	C	Found	C
Antimony	10	8.0	U	8.0	U	8.0	U		
Aluminum	100	30	U	30	U	30	U		
Arsenic	15	12	U	12	U	12	U		
Barium	10	1.5	U	1.5	U	1.5	U		
Beryllium	1.0	0.50	U	0.50	U	0.50	U		
Boron	100	7.0	U	7.0	U	4.75	J		
Cadmium	5.0	0.80	U	0.80	U	0.80	U		
Calcium	200	80	U	80	U	80	U		
Chromium	10	1.5	U	1.5	U	1.5	U		
Cobalt	5.0	2.0	U	2.0	U	2.0	U		
Copper	15	3.5	U	3.5	U	3.5	U		
Iron	100	30	U	30	U	30	U		
Lead	9.0	5.0	U	5.0	U	5.0	U		
Magnesium	200	25	U	25	U	25	U		
Manganese	10	0.50	U	0.260	J	0.280	J		
Molybdenum	20	7.0	U	7.0	U	7.0	U		
Nickel	40	3.0	U	3.0	U	3.0	U		
Potassium	3000	250	U	250	U	250	U		
Selenium	15	12	U	12	U	12	U		
Silver	10	2.0	U	2.0	U	2.0	U		
Sodium	1000	250	U	250	U	103	J		
Strontium	10	0.50	U	0.50	U	0.50	U		
Thallium	15	12	U	12	U	12	U		
Vanadium	10	2.5	U	2.5	U	2.5	U		
Zinc	20	13	U	13	U	13	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200988/9 11/13/2013 18:01		CCB 280-200988/24 11/13/2013 18:41		CCB 280-200988/36 11/13/2013 19:08		CCB 280-200988/43 11/13/2013 19:25	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.10	U	0.10	U	0.10	U	0.10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200323/9 11/08/2013 16:25		CCB 280-200323/48 11/08/2013 17:55		CCB 280-200323/60 11/08/2013 18:22		CCB 280-200323/72 11/08/2013 18:50	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-200323/84 11/08/2013 19:18							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-198991/1-A

Instrument Code: MT_025 Batch No.: 199917

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	12	U		6010C
7440-39-3	Barium	1.5	U		6010C
7440-41-7	Beryllium	0.50	U		6010C
7440-42-8	Boron	7.0	U		6010C
7440-43-9	Cadmium	0.80	U		6010C
7440-70-2	Calcium	80	U		6010C
7440-47-3	Chromium	1.5	U	Q	6010C
7440-48-4	Cobalt	2.0	U		6010C
7440-50-8	Copper	3.5	U		6010C
7439-89-6	Iron	30	U		6010C
7439-92-1	Lead	5.0	U		6010C
7439-95-4	Magnesium	25	U		6010C
7439-96-5	Manganese	0.50	U	Q	6010C
7439-98-7	Molybdenum	7.0	U		6010C
7440-02-0	Nickel	3.0	U		6010C
7440-09-7	Potassium	250	U		6010C
7782-49-2	Selenium	12	U		6010C
7440-22-4	Silver	2.0	U		6010C
7440-28-0	Thallium	12	U		6010C
7440-62-2	Vanadium	2.5	U		6010C
7440-24-6	Strontium	0.50	U	Q	6010C
7440-66-6	Zinc	13	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-198991/1-A

Instrument Code: MT_025 Batch No.: 200251

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	31	U		6010C
7440-23-5	Sodium	250	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 200251

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.93	U		6010C
7440-39-3	Barium	0.17	U		6010C
7440-41-7	Beryllium	0.065	U		6010C
7440-43-9	Cadmium	0.093	U		6010C
7440-70-2	Calcium	19	U		6010C
7440-47-3	Chromium	0.14	U		6010C
7440-48-4	Cobalt	0.19	U		6010C
7440-50-8	Copper	0.46	U		6010C
7439-89-6	Iron	4.6	U		6010C
7439-92-1	Lead	0.74	U		6010C
7439-95-4	Magnesium	4.6	U		6010C
7439-96-5	Manganese	0.14	U	Q	6010C
7439-98-7	Molybdenum	0.46	U		6010C
7440-02-0	Nickel	0.19	U		6010C
7440-09-7	Potassium	46	U		6010C
7782-49-2	Selenium	1.1	U		6010C
7440-22-4	Silver	0.19	U		6010C
7440-23-5	Sodium	93	U		6010C
7440-28-0	Thallium	1.1	U		6010C
7440-62-2	Vanadium	0.19	U	Q	6010C
7440-24-6	Strontium	0.074	U	Q	6010C
7440-66-6	Zinc	0.419	J		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 200481

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	2.8	U		6010C
7440-42-8	Boron	0.93	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 201175

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.56	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-198991/1-A

Instrument Code: MT_025 Batch No.: 201485

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	8.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-198955/1-A

Instrument Code: MT_034 Batch No.: 200323

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.080	U		7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Concentration Units: ug/Kg Lab Sample ID: MB 280-199719/1-A

Instrument Code: MT_033 Batch No.: 200988

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	14	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSA 280-199917/15 Instrument ID: MT_025

Lab File ID: 25A4110713.asc ICS Source: ICP ICSA_00078

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-2.00**	
Barium		**0.220**	
Beryllium		**-0.0400**	
Boron		**-0.990**	
Cadmium		**-0.330**	
Calcium	**500000**	**465280**	**93**
Chromium		**1.52**	
Cobalt		**-0.440**	
Copper		**2.34**	
Iron	**200000**	**187010**	**94**
Lead		**2.18**	
Magnesium	**500000**	**491850**	**98**
Manganese		**0.550**	
Molybdenum		**-0.0800**	
Nickel		**-1.34**	
Potassium		**-1.02**	
Selenium		**-1.53**	
Silver		**-1.08**	
Strontium		**15.2**	
Thallium		**-2.94**	
Vanadium		**0.950**	
Zinc		**-3.47**	
Aluminum	*500000*	*503940*	*101*
Antimony		*6.91*	
Lithium		*12.7*	
Phosphorus		*-4.87*	
Silicon		*-13.0*	
SiO2		*-27.8*	
Sodium		*73.5*	
Thorium		*11.1*	
Tin		*0.610*	
Titanium		*-0.680*	
Zirconium		*0.500*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSAB 280-199917/16 Instrument ID: MT_025

Lab File ID: 25A4110713.asc ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**2000**	**2031**	**102**
Barium	**500**	**506**	**101**
Beryllium	**500**	**484**	**97**
Boron	**2000**	**1900**	**95**
Cadmium	**1000**	**1028**	**103**
Calcium	**500000**	**455510**	**91**
Chromium	**500**	**481**	**96**
Cobalt	**500**	**468**	**94**
Copper	**500**	**541**	**108**
Iron	**200000**	**185160**	**93**
Lead	**1000**	**927**	**93**
Magnesium	**500000**	**490560**	**98**
Manganese	**500**	**503**	**101**
Molybdenum	**1000**	**942**	**94**
Nickel	**1000**	**918**	**92**
Potassium	**50000**	**53121**	**106**
Selenium	**5000**	**4867**	**97**
Silver	**1000**	**1105**	**110**
Strontium	**1000**	**1013**	**101**
Thallium	**10000**	**8515**	**85**
Vanadium	**500**	**507**	**101**
Zinc	**1000**	**971**	**97**
Aluminum	*500000*	*501760*	*100*
Antimony	*1000*	*1004*	*100*
Lithium	*1000*	*1053*	*105*
Phosphorus	*2000*	*1945*	*97*
Silicon	*10000*	*9779*	*98*
SiO2	*21400*	*20926*	*98*
Sodium	*50000*	*52005*	*104*
Thorium	*2000*	*2020*	*101*
Tin	*10000*	*8910*	*89*
Titanium	*1000*	*1001*	*100*
Zirconium	*1000*	*1001*	*100*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSA 280-200251/16 Instrument ID: MT_025

Lab File ID: 25A1110813.asc ICS Source: ICP ICSA_00078

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**521510**	**104**
Arsenic		**-1.73**	
Barium		**0.240**	
Beryllium		**0.0700**	
Cadmium		**0.440**	
Calcium	**500000**	**460080**	**92**
Chromium		**0.690**	
Cobalt		**-0.740**	
Copper		**2.27**	
Iron	**200000**	**195200**	**98**
Lead		**1.38**	
Magnesium	**500000**	**501650**	**100**
Manganese		**0.560**	
Molybdenum		**-0.160**	
Nickel		**-0.360**	
Potassium		**-34.5**	
Selenium		**-0.200**	
Silver		**-1.24**	
Sodium		**117**	
Strontium		**15.3**	
Thallium		**-1.99**	
Vanadium		**2.69**	
Zinc		**-3.32**	
Antimony		*0.650*	
Boron		*-2.06*	
Lithium		*10.7*	
Phosphorus		*-5.99*	
Silicon		*2.30*	
SiO2		*4.93*	
Thorium		*8.50*	
Tin		*1.21*	
Titanium		*-0.560*	
Zirconium		*-2.37*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSAB 280-200251/17 Instrument ID: MT_025

Lab File ID: 25A1110813.asc ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500000**	**514670**	**103**
Arsenic	**2000**	**1967**	**98**
Barium	**500**	**500**	**100**
Beryllium	**500**	**482**	**96**
Cadmium	**1000**	**990**	**99**
Calcium	**500000**	**465830**	**93**
Chromium	**500**	**482**	**96**
Cobalt	**500**	**461**	**92**
Copper	**500**	**537**	**107**
Iron	**200000**	**192550**	**96**
Lead	**1000**	**901**	**90**
Magnesium	**500000**	**489900**	**98**
Manganese	**500**	**503**	**101**
Molybdenum	**1000**	**953**	**95**
Nickel	**1000**	**911**	**91**
Potassium	**50000**	**52462**	**105**
Selenium	**5000**	**4649**	**93**
Silver	**1000**	**1080**	**108**
Sodium	**50000**	**53124**	**106**
Strontium	**1000**	**1005**	**100**
Thallium	**10000**	**8228**	**82**
Vanadium	**500**	**510**	**102**
Zinc	**1000**	**975**	**98**
Antimony	*1000*	*973*	*97*
Boron	*2000*	*1807*	*90*
Lithium	*1000*	*1051*	*105*
Phosphorus	*2000*	*1880*	*94*
Silicon	*10000*	*9769*	*98*
SiO2	*21400*	*20906*	*98*
Thorium	*2000*	*2064*	*103*
Tin	*10000*	*8904*	*89*
Titanium	*1000*	*999*	*100*
Zirconium	*1000*	*983*	*98*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSA 280-200481/14 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00078

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**507740**	**102**
Boron		**-1.22**	
Antimony		*2.35*	
Arsenic		*-2.93*	
Barium		*0.230*	
Beryllium		*0.0400*	
Calcium	*500000*	*463180*	*93*
Cobalt		*-0.580*	
Copper		*2.27*	
Iron	*200000*	*187990*	*94*
Lead		*0.500*	
Lithium		*9.93*	
Magnesium	*500000*	*486630*	*97*
Molybdenum		*-0.0500*	
Nickel		*-0.980*	
Phosphorus		*-6.70*	
Potassium		*89.8*	
Selenium		*1.13*	
Silicon		*1.35*	
Silver		*0.0000*	
SiO2		*2.89*	
Sodium		*165*	
Thallium		*-1.35*	
Thorium		*12.2*	
Tin		*1.07*	
Titanium		*-1.09*	
Vanadium		*0.110*	
Zinc		*-3.69*	
Zirconium		*0.510*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSAB 280-200481/15 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**508780**	**102**
Boron	**2000**	**1804**	**90**
Antimony	*1000*	*960*	*96*
Arsenic	*2000*	*1946*	*97*
Barium	*500*	*502*	*100*
Beryllium	*500*	*483*	*97*
Cadmium	*1000*	*984*	*98*
Calcium	*500000*	*454770*	*91*
Chromium	*500*	*478*	*96*
Cobalt	*500*	*456*	*91*
Copper	*500*	*527*	*105*
Iron	*200000*	*187920*	*94*
Lead	*1000*	*887*	*89*
Lithium	*1000*	*1059*	*106*
Magnesium	*500000*	*481750*	*96*
Manganese	*500*	*497*	*99*
Molybdenum	*1000*	*935*	*94*
Nickel	*1000*	*899*	*90*
Phosphorus	*2000*	*1870*	*93*
Potassium	*50000*	*53159*	*106*
Selenium	*5000*	*4587*	*92*
Silicon	*10000*	*9685*	*97*
Silver	*1000*	*1069*	*107*
SiO2	*21400*	*20725*	*97*
Sodium	*50000*	*52394*	*105*
Strontium	*1000*	*1006*	*101*
Thallium	*10000*	*8086*	*81*
Thorium	*2000*	*2035*	*102*
Tin	*10000*	*8712*	*87*
Titanium	*1000*	*981*	*98*
Vanadium	*500*	*498*	*100*
Zinc	*1000*	*963*	*96*
Zirconium	*1000*	*990*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSA 280-201175/18 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00079

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**6.78**	
Aluminum	*500000*	*496160*	*99*
Arsenic		*-7.63*	
Barium		*0.270*	
Beryllium		*-0.0700*	
Boron		*0.230*	
Calcium	*500000*	*451490*	*90*
Cobalt		*-0.110*	
Copper		*2.19*	
Iron	*200000*	*183560*	*92*
Lead		*4.26*	
Lithium		*7.36*	
Magnesium	*500000*	*486320*	*97*
Molybdenum		*0.120*	
Nickel		*-0.700*	
Phosphorus		*-3.23*	
Potassium		*26.3*	
Selenium		*7.31*	
Silicon		*12.7*	
Silver		*0.430*	
SiO2		*27.1*	
Sodium		*44.5*	
Thallium		*-4.08*	
Thorium		*4.22*	
Tin		*1.85*	
Titanium		*-0.990*	
Zinc		*-1.51*	
Zirconium		*-0.710*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSAB 280-201175/19 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**1000**	**998**	**100**
Aluminum	*500000*	*495820*	*99*
Arsenic	*2000*	*1976*	*99*
Barium	*500*	*492*	*98*
Beryllium	*500*	*472*	*94*
Boron	*2000*	*1888*	*94*
Cadmium	*1000*	*1003*	*100*
Calcium	*500000*	*460330*	*92*
Chromium	*500*	*484*	*97*
Cobalt	*500*	*457*	*91*
Copper	*500*	*534*	*107*
Iron	*200000*	*183210*	*92*
Lead	*1000*	*897*	*90*
Lithium	*1000*	*1038*	*104*
Magnesium	*500000*	*486720*	*97*
Manganese	*500*	*489*	*98*
Molybdenum	*1000*	*947*	*95*
Nickel	*1000*	*902*	*90*
Phosphorus	*2000*	*1912*	*96*
Potassium	*50000*	*51504*	*103*
Selenium	*5000*	*4752*	*95*
Silicon	*10000*	*9600*	*96*
Silver	*1000*	*1089*	*109*
SiO2	*21400*	*20543*	*96*
Sodium	*50000*	*51436*	*103*
Strontium	*1000*	*985*	*98*
Thallium	*10000*	*8189*	*82*
Thorium	*2000*	*2021*	*101*
Tin	*10000*	*8837*	*88*
Titanium	*1000*	*980*	*98*
Vanadium	*500*	*485*	*97*
Zinc	*1000*	*943*	*94*
Zirconium	*1000*	*934*	*93*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSA 280-201485/14 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00079

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**6.06**	
Aluminum	*500000*	*496660*	*99*
Arsenic		*-3.70*	
Barium		*0.0400*	
Beryllium		*0.0300*	
Boron		*-1.13*	
Cadmium		*1.52*	
Calcium	*500000*	*455030*	*91*
Chromium		*2.72*	
Cobalt		*0.0700*	
Copper		*3.23*	
Iron	*200000*	*185110*	*93*
Lead		*-2.64*	
Lithium		*5.25*	
Magnesium	*500000*	*495500*	*99*
Manganese		*0.680*	
Molybdenum		*-0.220*	
Nickel		*-1.41*	
Phosphorus		*-1.34*	
Potassium		*-120*	
Selenium		*6.25*	
Silicon		*9.35*	
Silver		*-0.400*	
SiO2		*20.0*	
Sodium		*61.2*	
Strontium		*15.0*	
Thallium		*-5.59*	
Thorium		*-9.94*	
Tin		*1.32*	
Titanium		*-1.24*	
Zinc		*-2.25*	
Zirconium		*4.94*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Lab Sample ID: ICSAB 280-201485/15 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**1000**	**973**	**97**
Aluminum	*500000*	*497270*	*99*
Arsenic	*2000*	*2033*	*102*
Barium	*500*	*496*	*99*
Beryllium	*500*	*475*	*95*
Boron	*2000*	*1852*	*93*
Cadmium	*1000*	*1006*	*101*
Calcium	*500000*	*454710*	*91*
Chromium	*500*	*479*	*96*
Cobalt	*500*	*457*	*91*
Copper	*500*	*539*	*108*
Iron	*200000*	*183350*	*92*
Lead	*1000*	*904*	*90*
Lithium	*1000*	*1060*	*106*
Magnesium	*500000*	*487020*	*97*
Manganese	*500*	*495*	*99*
Molybdenum	*1000*	*940*	*94*
Nickel	*1000*	*896*	*90*
Phosphorus	*2000*	*1906*	*95*
Potassium	*50000*	*52231*	*104*
Selenium	*5000*	*4777*	*96*
Silicon	*10000*	*9819*	*98*
Silver	*1000*	*1099*	*110*
SiO2	*21400*	*21013*	*98*
Sodium	*50000*	*50917*	*102*
Strontium	*1000*	*993*	*99*
Thallium	*10000*	*8170*	*82*
Thorium	*2000*	*1990*	*99*
Tin	*10000*	*8884*	*89*
Titanium	*1000*	*998*	*100*
Vanadium	*500*	*492*	*98*
Zinc	*1000*	*959*	*96*
Zirconium	*1000*	*944*	*94*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: AOI474NW0102AA MS
Lab ID: 280-48651-1 MS
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 82.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	11300		7800		213	1652	80-120	4	6010C
Antimony	29.7		0.71	U	53.3	56	80-120	J	6010C
Arsenic	98.3		1.2	U	107	92	80-120		6010C
Barium	234		20		213	100	80-120		6010C
Beryllium	5.29		0.25	J	5.33	95	80-120		6010C
Boron	99.5		2.2	J	107	91	80-120		6010C
Cadmium	10.5		0.25	J	10.7	97	80-120		6010C
Calcium	5450		560		5330	92	80-120		6010C
Chromium	30.0		7.3		21.3	106	80-120		6010C
Cobalt	51.9		3.0		53.3	92	80-120		6010C
Copper	31.5		5.3	J	26.6	98	80-120		6010C
Iron	8380		8400		107	17	80-120	4	6010C
Lead	53.0		6.8		53.3	87	80-120		6010C
Magnesium	7550		2400		5330	97	80-120		6010C
Manganese	114		68		53.3	85	80-120	Q	6010C
Molybdenum	97.3		0.60	U	107	91	80-120		6010C
Nickel	57.9		9.8		53.3	90	80-120		6010C
Potassium	7360		900		5330	121	80-120	J	6010C
Selenium	191		1.4	U	213	90	80-120		6010C
Silver	4.89		0.24	U	5.33	92	80-120		6010C
Sodium	5420		120	U	5330	102	80-120		6010C
Thallium	190		1.4	U	213	89	80-120		6010C
Vanadium	68.6		9.5		53.3	111	80-120	Q	6010C
Strontium	106		2.7		107	97	80-120	Q	6010C
Zinc	143		110		53.3	62	80-120	J	6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: AOI474BT0103AA MS
Lab ID: 280-48651-5 MS
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG No.:
Matrix: Solid
Concentration Units: ug/Kg
% Solids: 76.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	633		9.3	J	580	107	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: AOI474NW0102AA MSD
Lab ID: 280-48651-1 MSD
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 82.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	11700		241	1645	80-120	4	20	4	6010C
Antimony	34.7		60.2	58	80-120	15	20	J	6010C
Arsenic	110		120	91	80-120	11	20		6010C
Barium	259		241	99	80-120	10	20		6010C
Beryllium	5.91		6.02	94	80-120	11	20		6010C
Boron	113		120	92	80-120	13	20		6010C
Cadmium	11.8		12.0	96	80-120	11	20		6010C
Calcium	6060		6020	91	80-120	11	20		6010C
Chromium	32.5		24.1	105	80-120	8	20		6010C
Cobalt	57.7		60.2	91	80-120	11	20		6010C
Copper	34.3		30.1	96	80-120	9	20		6010C
Iron	7970		120	-333	80-120	5	20	4	6010C
Lead	57.5		60.2	84	80-120	8	20		6010C
Magnesium	8130		6020	95	80-120	7	20		6010C
Manganese	119		60.2	85	80-120	5	20	Q	6010C
Molybdenum	110		120	91	80-120	12	20		6010C
Nickel	63.3		60.2	89	80-120	9	20		6010C
Potassium	8050		6020	119	80-120	9	20		6010C
Selenium	214		241	89	80-120	11	20		6010C
Silver	5.42		6.02	90	80-120	10	20		6010C
Sodium	6020		6020	100	80-120	10	20		6010C
Thallium	213		241	88	80-120	11	20		6010C
Vanadium	74.6		60.2	108	80-120	8	20	Q	6010C
Strontium	118		120	96	80-120	11	20	Q	6010C
Zinc	144		60.2	56	80-120	0	20	J	6010C

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: AOI474BT0103AA MSD
Lab ID: 280-48651-5 MSD
Lab Name: TestAmerica Denver
Job No.: 280-48651-1
SDG No.:
Matrix: Solid
Concentration Units: ug/Kg
% Solids: 76.9

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	624		602	102	80-120	1	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: AOI474NW0102AA PDS Lab ID: 280-48651-1 PDS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7730		7800		119	-33	75-125	J	6010C
Antimony	11.4		0.71	U	11.9	95	75-125		6010C
Arsenic	22.6		1.2	U	23.8	95	75-125		6010C
Barium	31.7		20		11.9	94	75-125		6010C
Beryllium	5.88		0.25	J	5.96	94	75-125		6010C
Boron	13.1		2.2	J	11.9	91	75-125		6010C
Cadmium	6.00		0.25	J	5.96	97	75-125		6010C
Calcium	2820		560		2380	95	75-125		6010C
Chromium	12.9		7.3		5.96	93	75-125		6010C
Cobalt	8.61		3.0		5.96	95	75-125		6010C
Copper	11.2		5.3	J	5.96	99	75-125		6010C
Iron	8260		8400		119	-91	75-125	J	6010C
Lead	18.0		6.8		11.9	94	75-125		6010C
Magnesium	4560		2400		2380	91	75-125		6010C
Manganese	72.3		68		5.96	69	75-125	Q J	6010C
Molybdenum	5.58		0.60	U	5.96	94	75-125		6010C
Nickel	15.2		9.8		5.96	91	75-125		6010C
Potassium	3230		900		2380	98	75-125		6010C
Selenium	21.6		1.4	U	23.8	91	75-125		6010C
Silver	5.72		0.24	U	5.96	96	75-125		6010C
Sodium	2450		120	U	2380	103	75-125		6010C
Thallium	22.4		1.4	U	23.8	94	75-125		6010C
Vanadium	15.3		9.5		5.96	97	75-125	Q	6010C
Strontium	8.51		2.7		5.96	97	75-125	Q	6010C
Zinc	131		110		23.8	85	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-198991/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00069

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	1000	1010		101	80	120		6010C
Barium	2000	2210		111	80	120		6010C
Beryllium	50.0	50.8		102	80	120		6010C
Boron	1000	1020		102	86	110		6010C
Cadmium	100	110		110	80	120		6010C
Calcium	50000	50000		100	80	120		6010C
Chromium	200	202		101	80	120	Q	6010C
Cobalt	500	525		105	80	120		6010C
Copper	250	272		109	80	120		6010C
Iron	1000	983		98	80	120		6010C
Lead	500	515		103	80	120		6010C
Magnesium	50000	49400		99	80	120		6010C
Manganese	500	530		106	80	120	Q	6010C
Molybdenum	1000	972		97	80	120		6010C
Nickel	500	504		101	80	120		6010C
Potassium	50000	52600		105	80	120		6010C
Selenium	2000	2050		102	80	120		6010C
Silver	50.0	52.3		105	80	120		6010C
Thallium	2000	2100		105	80	120		6010C
Vanadium	500	525		105	80	120		6010C
Strontium	1000	1070		107	90	111	Q	6010C
Zinc	500	489		98	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-198991/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00069

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2000	1980		99	80	120		6010C
Sodium	50000	54200		108	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00070

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	86.2	82.0		95	80	120		6010C
Barium	172	171		99	80	120		6010C
Beryllium	4.31	4.19		97	80	120		6010C
Cadmium	8.62	8.67		101	80	120		6010C
Calcium	4310	4140		96	80	120		6010C
Chromium	17.2	16.8		97	80	120		6010C
Cobalt	43.1	41.6		96	80	120		6010C
Copper	21.6	21.7		100	80	120		6010C
Iron	86.2	82.0		95	80	120		6010C
Lead	43.1	41.3		96	80	120		6010C
Magnesium	4310	4050		94	80	120		6010C
Manganese	43.1	41.6		97	80	120	Q	6010C
Molybdenum	86.2	84.0		97	80	120		6010C
Nickel	43.1	41.3		96	80	120		6010C
Potassium	4310	4320		100	80	120		6010C
Selenium	172	162		94	80	120		6010C
Silver	4.31	3.93		91	80	120		6010C
Sodium	4310	4480		104	80	120		6010C
Thallium	172	165		96	80	120		6010C
Vanadium	43.1	42.8		99	80	120	Q	6010C
Strontium	86.2	84.8		98	80	120	Q	6010C
Zinc	43.1	41.0		95	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00070

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	172	167		97	80	120		6010C
Boron	86.2	97.0		112	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-198991/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Water LCS Source: ICP SPK 2A_00066

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	500	501		100	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Solid LCS Source: ICP SPK 2A_00066

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	43.1	42.4		98	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-198955/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Water LCS Source: Hg Daily Spk_00940

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.92		98	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199719/2-A

Lab Name: TestAmerica Denver Job No.: 280-48651-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00943

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	431	376		87	80	120		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-48651-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-48651-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	7800		8040		3.5	D	6010C
Antimony	0.71	U	3.6	U	NC		6010C
Arsenic	1.2	U	6.0	U	NC		6010C
Barium	20		21.2		3.8	D	6010C
Beryllium	0.25	J	0.292	J	NC	D	6010C
Boron	2.2	J	6.0	U	NC		6010C
Cadmium	0.25	J	0.447	J	NC	D	6010C
Calcium	560		599	J	NC	D	6010C
Chromium	7.3		7.53	J	3.1	D	6010C
Cobalt	3.0		3.06	J	NC	D	6010C
Copper	5.3	J	5.47	J	NC	D	6010C
Iron	8400		8120		3.0	D	6010C
Lead	6.8		7.71		NC	D	6010C
Magnesium	2400		2440		2.1	D	6010C
Manganese	68		69.9		2.4	Q D	6010C
Molybdenum	0.60	U	3.0	U	NC		6010C
Nickel	9.8		10.2	J	3.7	D	6010C
Potassium	900		924	J	NC	D	6010C
Selenium	1.4	U	7.1	U	NC		6010C
Silver	0.24	U	1.2	U	NC		6010C
Sodium	120	U	600	U	NC		6010C
Thallium	1.4	U	7.1	U	NC		6010C
Vanadium	9.5		9.66	J	1.7	Q D	6010C
Strontium	2.7		2.87	J	5.4	Q D	6010C
Zinc	110		116		4.8	D	6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-48651-5

SDG No:

Lab Name: TestAmerica Denver Job No: 280-48651-1

Matrix: Solid Concentration Units: ug/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	9.3	J	91	U	NC		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Water Instrument ID: MT_025

Method: 6010C DL Date: 02/23/2011 08:45

Prep Method: 3010A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Aluminum	167	300	18
Antimony	206.8	20	3.14
Arsenic	189	25	4.41
Barium	455.4	10	0.576
Beryllium	313	1.5	0.474
Boron	208.9	100	4.37
Cadmium	228.8	5	0.452
Calcium	317.9	1000	34.5
Chromium	205.5	15	0.663
Cobalt	228.6	15	1.23
Copper	324.7	15	1.36
Iron	259.9	100	22
Lead	220.3	15	2.61
Magnesium	279	500	10.7
Manganese	257.6	10	0.253
Molybdenum	202	30	3.13
Nickel	231.6	40	1.29
Potassium	766.4	3000	237
Selenium	196	22	4.86
Silver	328	15	0.933
Sodium	589.5	5000	91.6
Strontium	407.7	10	0.3
Thallium	190.8	40	4.91
Vanadium	292.4	15	1.11
Zinc	206.2	150	4.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Water Instrument ID: MT_025

Method: 6010C XMDL Date: 02/23/2011 08:46

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Antimony		10	3.14
Arsenic		15	4.41
Barium		10	0.576
Beryllium		1	0.474
Boron		100	4.37
Cadmium		5	0.452
Calcium		200	34.5
Chromium		10	0.663
Cobalt		5	1.23
Copper		15	1.36
Iron		100	22
Lead		9	2.61
Magnesium		200	10.7
Manganese		10	0.253
Molybdenum		20	3.13
Nickel		40	1.29
Potassium		3000	237
Selenium		15	4.86
Silver		10	0.933
Sodium		1000	91.6
Strontium		10	0.3
Thallium		15	4.91
Vanadium		10	1.11
Zinc		20	4.53

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010C DL Date: 03/01/2011 13:28

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	167	50	1.55
Antimony	206.8	2	0.38
Arsenic	189	2.5	0.66
Barium	455.4	2	0.076
Beryllium	313	0.5	0.033
Boron	208.9	10	0.98
Cadmium	228.8	0.5	0.041
Calcium	317.9	100	14.1
Chromium	205.5	3.5	0.058
Cobalt	228.6	1	0.1
Copper	324.7	5	0.217
Iron	259.9	80	3.8
Lead	220.3	0.9	0.27
Magnesium	279	30	3.7
Manganese	257.6	4.5	0.1
Molybdenum	202	2.5	0.26
Nickel	231.6	4	0.123
Potassium	766.4	300	41
Selenium	196	3	0.86
Silver	328	1.5	0.16
Sodium	589.5	500	59
Strontium	407.7	1.5	0.036
Thallium	190.8	3	0.65
Vanadium	292.4	2	0.094
Zinc	206.2	8	0.398

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010C XMDL Date: 03/01/2011 13:28

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Antimony		10	3.14
Arsenic		15	4.41
Barium		10	0.576
Beryllium		1	0.474
Boron		100	4.37
Cadmium		5	0.452
Calcium		200	3.45
Chromium		10	0.663
Cobalt		5	1.23
Copper		15	1.36
Iron		100	22
Lead		9	2.61
Magnesium		200	10.7
Manganese		10	0.253
Molybdenum		20	3.13
Nickel		40	1.29
Potassium		3000	237
Selenium		15	4.86
Silver		10	0.933
Sodium		1000	91.6
Strontium		10	0.3
Thallium		15	4.91
Vanadium		10	1.11
Zinc		20	4.53

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Water Instrument ID: MT_034

Method: 7470A DL Date: 10/28/2011 16:20

Prep Method: 7470A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Mercury	253.7	0.2	0.027

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Water Instrument ID: MT_034

Method: 7470A XMDL Date: 11/30/2010 11:23

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.027

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Solid Instrument ID: MT_033

Method: 7471B DL Date: 10/28/2011 16:21

Prep Method: 7471B

Analyte	Wavelength/ Mass	LOQ (ug/Kg)	DL (ug/Kg)
Mercury	253.7	17	5.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Solid Instrument ID: MT_033

Method: 7471B XMDL Date: 11/30/2010 11:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.204	0.0664

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001001	
Aluminum	309.271														
Antimony	206.833		0.000007						-0.000005			0.011357		0.000010	
Arsenic	189.042		-0.000012									-0.007296		-0.000024	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061		-0.000012			-0.000294			-0.000016			0.001419		0.000120	
Boron	208.959														
Cadmium	228.802			0.002467		-0.000092					0.000036			-0.000013	
Calcium	317.933										0.000391				
Chromium	205.552						-0.000724							-0.000038	
Cobalt	228.616					-0.000021						-0.000046			
Copper	324.754														
Iron	259.940										0.070287				
Iron	271.441										0.070287				
Lead	220.353		-0.000061						0.000007		-0.000010		0.000134	0.000034	
Lithium	670.784								0.000009						
Magnesium	279.079													-0.000175	
Manganese	257.610		0.000001											0.000011	
Molybdenum	202.030														
Nickel	231.604						0.000034		-0.000002		-0.000053			0.000034	
Phosphorus	178.284		-0.000005												
Potassium	766.490														
Selenium	196.090		0.000021						-0.000001					0.000006	
Silicon	288.158											-0.016952			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000049						
Sulfur	182.034		-0.000022						-0.000025						

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856		0.000001								0.004069	0.000274			
Thorium	283.730											-0.000153		0.000876	
Tin	189.989														
Titanium	334.904								0.000005			0.000157			
Uranium	370.152				-0.03516				-0.000005			-0.001869		0.000415	
Vanadium	292.402											-0.006987		0.000013	
Zinc	206.200		0.000010					0.000509				-0.000468		0.000015	
Zirconium	339.198													-0.000028	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.001655												
Aluminum	167.079														
Antimony	206.833				-0.000327		0.000025					0.000031		0.00189	
Arsenic	189.042		-0.000006		0.001328										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													-0.001095	
Boron	208.959				0.033560										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000107		0.000009								
Cobalt	228.616			-0.000001	-0.001006		0.000125								
Copper	324.754				0.000205										
Iron	259.940		-0.000894												
Iron	271.441		-0.000894												
Lead	220.353				-0.002073		0.000317					0.000169			
Lithium	670.784		0.000006												
Magnesium	279.079			-0.001330	-0.004610										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604				0.000080										
Phosphorus	178.284				-0.005388										
Potassium	766.490														
Selenium	196.090			0.000570											
Silicon	288.158				-0.000510										
Silver	328.068			0.000183	-0.000074										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.003725	-0.006321										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000859											
Thorium	283.730		-0.000015		0.000056		0.000237								
Tin	189.989														
Titanium	334.904		0.000002		0.001119										
Uranium	370.152														
Vanadium	292.402			-0.001054	-0.000177										
Zinc	206.200				0.000123										
Zirconium	339.198				0.000752										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833		0.000259		-0.002129	0.000091		-0.001105							
Arsenic	189.042	-0.000781													
Barium	455.403							0.001086							
Beryllium	313.042		-0.000285			0.000618									
Bismuth	223.061		-0.005621		-0.003951										
Boron	208.959														
Cadmium	228.802				-0.000206										
Calcium	317.933	-0.003260													
Chromium	205.552	0.000009			-0.000025										
Cobalt	228.616		0.002052		0.000149										
Copper	324.754	0.001914	0.000011		-0.000115	-0.000316		-0.002277							
Iron	259.940					-0.209500									
Iron	271.441					-0.209500									
Lead	220.353		-0.000522		0.000701			-0.000255							
Lithium	670.784														
Magnesium	279.079	-0.041014	-0.001688		-0.008620										
Manganese	257.610	-0.000496			0.000075										
Molybdenum	202.030				-0.000130										
Nickel	231.604														
Phosphorus	178.284				0.000099										
Potassium	766.490														
Selenium	196.090	0.000088		-0.000481	-0.000220										
Silicon	288.158														
Silver	328.068	0.000323			0.000970			0.005844							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034	0.000111				0.000164									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856	-0.000203	-0.000892		-0.000304	-0.019465									
Thorium	283.730				0.022201			0.022111							
Tin	189.989	0.000011	-0.001792		0.000185										
Titanium	334.904	0.006757			-0.000569										
Uranium	370.152		0.004659												
Vanadium	292.402	0.001293	0.001093		-0.001122										
Zinc	206.200		0.000066												
Zirconium	339.198	0.03149			-0.000178										

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-48651-1

SDG No.:

Instrument ID: MT_025 Date: 10/19/2013 09:44

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010C
Antimony		50	6010C
Arsenic		50	6010C
Barium		50	6010C
Beryllium		20	6010C
Boron		100	6010C
Cadmium		25	6010C
Calcium		2000	6010C
Chromium		50	6010C
Cobalt		50	6010C
Copper		50	6010C
Iron		2000	6010C
Lead		200	6010C
Magnesium		1500	6010C
Manganese		20	6010C
Molybdenum		20	6010C
Nickel		50	6010C
Potassium		500	6010C
Selenium		50	6010C
Silver		2.5	6010C
Sodium		10000	6010C
Thallium		50	6010C
Vanadium		50	6010C
Strontium		20	6010C
Zinc		50	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-198991/1-A	11/07/2013 07:30	198991		50	50
LCS 280-198991/2-A	11/07/2013 07:30	198991		50	50
280-48651-6	11/07/2013 07:30	198991		50	50
280-48651-7	11/07/2013 07:30	198991		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-199600/1-A	11/08/2013 07:50	199600	1.08		100
LCS 280-199600/2-A	11/08/2013 07:50	199600	1.16		100
280-48651-1	11/08/2013 07:50	199600	1.02		100
280-48651-1 MS	11/08/2013 07:50	199600	1.14		100
280-48651-1 MSD	11/08/2013 07:50	199600	1.01		100
280-48651-2	11/08/2013 07:50	199600	1.11		100
280-48651-3	11/08/2013 07:50	199600	1.01		100
280-48651-4	11/08/2013 07:50	199600	1.12		100
280-48651-5	11/08/2013 07:50	199600	1.05		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-198955/1-A	11/08/2013 13:30	198955		30	30
LCS 280-198955/2-A	11/08/2013 13:30	198955		30	30
280-48651-6	11/08/2013 13:30	198955		30	30
280-48651-7	11/08/2013 13:30	198955		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-199719/1-A	11/13/2013 15:00	199719	.58		50
LCS 280-199719/2-A	11/13/2013 15:00	199719	.58		50
280-48651-1	11/13/2013 15:00	199719	.58		50
280-48651-2	11/13/2013 15:00	199719	.57		50
280-48651-3	11/13/2013 15:00	199719	.54		50
280-48651-4	11/13/2013 15:00	199719	.55		50
280-48651-5	11/13/2013 15:00	199719	.57		50
280-48651-5 MS	11/13/2013 15:00	199719	.56		50
280-48651-5 MSD	11/13/2013 15:00	199719	.54		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/07/2013 15:01 End Date: 11/08/2013 00:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Ni	Pb	Se	Sr	Tl
ICIS 280-199917/1	1		15:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-199917/2			15:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-199917/3			15:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:10																				
ZZZZZZ			15:12																				
ICVH 280-199917/6	1		15:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 280-199917/7	1		15:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 280-199917/8	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-199917/9			15:34																				
CCV 280-199917/10			15:36																				
ICB 280-199917/11	1		15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:42																				
CRI 280-199917/13	1		15:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X
CRI 280-199917/14	1		16:07																	X	X		
ICSA 280-199917/15	1		16:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 280-199917/16	1		16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRA 280-199917/17			16:17																				
CCVH 280-199917/18			16:20																				
CCV 280-199917/19			16:22																				
CCB 280-199917/20			16:24																				
ZZZZZZ			16:27																				
CCVH 280-199917/22	1		22:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-199917/23	1		22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-199917/24	1		22:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-199917/25	1		22:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 280-198991/1-A	1	T	23:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 280-198991/2-A	1	T	23:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:05																				
ZZZZZZ			23:07																				
ZZZZZZ			23:10																				
ZZZZZZ			23:12																				
ZZZZZZ			23:14																				
ZZZZZZ			23:16																				
CCVH 280-199917/34	1		23:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-199917/35	1		23:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-199917/36	1		23:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-199917/37	1		23:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:28																				
ZZZZZZ			23:31																				
ZZZZZZ			23:33																				
ZZZZZZ			23:35																				
ZZZZZZ			23:38																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/07/2013 15:01 End Date: 11/08/2013 00:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Ni	Pb	Se	Sr	Tl
ZZZZZZ			23:40																				
ZZZZZZ			23:43																				
280-48651-6	1	T	23:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-7	1	T	23:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-199917/47	1		23:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-199917/48	1		23:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-199917/49	1		23:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-199917/50	1		23:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:59																				
ZZZZZZ			00:01																				
ZZZZZZ			00:03																				
ZZZZZZ			00:05																				
ZZZZZZ			00:08																				
ZZZZZZ			00:10																				
ZZZZZZ			00:12																				
CCVH 280-199917/58			00:14																				
CCV 280-199917/59			00:17																				
CCB 280-199917/60			00:19																				
CCVL 280-199917/61			00:21																				
ZZZZZZ			00:23																				
ZZZZZZ			00:26																				
ZZZZZZ			00:28																				
ZZZZZZ			00:30																				
ZZZZZZ			00:33																				
ZZZZZZ			00:35																				
ZZZZZZ			00:37																				
ZZZZZZ			00:40																				
ZZZZZZ			00:42																				
CCVH 280-199917/71			00:45																				
CCV 280-199917/72			00:47																				
CCB 280-199917/73			00:49																				
CCVL 280-199917/74			00:51																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/07/2013 15:01 End Date: 11/08/2013 00:51

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ICIS 280-199917/1	1		15:01	X	X																		
IC 280-199917/2			15:03	X	X																		
IC 280-199917/3			15:05	X	X																		
ZZZZZZ			15:10																				
ZZZZZZ			15:12																				
ICVH 280-199917/6	1		15:17	X	X																		
ICV 280-199917/7	1		15:22	X	X																		
ICVL 280-199917/8	1		15:28	X	X																		
CCVH 280-199917/9			15:34																				
CCV 280-199917/10			15:36																				
ICB 280-199917/11	1		15:38	X	X																		
ZZZZZZ			15:42																				
CRI 280-199917/13	1		15:53	X	X																		
CRI 280-199917/14	1		16:07																				
ICSA 280-199917/15	1		16:11	X	X																		
ICSAB 280-199917/16	1		16:14	X	X																		
LRA 280-199917/17			16:17																				
CCVH 280-199917/18			16:20																				
CCV 280-199917/19			16:22																				
CCB 280-199917/20			16:24																				
ZZZZZZ			16:27																				
CCVH 280-199917/22	1		22:51	X	X																		
CCV 280-199917/23	1		22:54	X	X																		
CCB 280-199917/24	1		22:56	X	X																		
CCVL 280-199917/25	1		22:58	X	X																		
MB 280-198991/1-A	1	T	23:00	X	X																		
LCS 280-198991/2-A	1	T	23:03	X	X																		
ZZZZZZ			23:05																				
ZZZZZZ			23:07																				
ZZZZZZ			23:10																				
ZZZZZZ			23:12																				
ZZZZZZ			23:14																				
ZZZZZZ			23:16																				
CCVH 280-199917/34	1		23:19	X	X																		
CCV 280-199917/35	1		23:21	X	X																		
CCB 280-199917/36	1		23:23	X	X																		
CCVL 280-199917/37	1		23:26	X	X																		
ZZZZZZ			23:28																				
ZZZZZZ			23:31																				
ZZZZZZ			23:33																				
ZZZZZZ			23:35																				
ZZZZZZ			23:38																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/07/2013 15:01 End Date: 11/08/2013 00:51

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ZZZZZZ			23:40																					
ZZZZZZ			23:43																					
280-48651-6	1	T	23:45	X	X																			
280-48651-7	1	T	23:47	X	X																			
CCVH 280-199917/47	1		23:50	X	X																			
CCV 280-199917/48	1		23:52	X	X																			
CCB 280-199917/49	1		23:54	X	X																			
CCVL 280-199917/50	1		23:56	X	X																			
ZZZZZZ			23:59																					
ZZZZZZ			00:01																					
ZZZZZZ			00:03																					
ZZZZZZ			00:05																					
ZZZZZZ			00:08																					
ZZZZZZ			00:10																					
ZZZZZZ			00:12																					
CCVH 280-199917/58			00:14																					
CCV 280-199917/59			00:17																					
CCB 280-199917/60			00:19																					
CCVL 280-199917/61			00:21																					
ZZZZZZ			00:23																					
ZZZZZZ			00:26																					
ZZZZZZ			00:28																					
ZZZZZZ			00:30																					
ZZZZZZ			00:33																					
ZZZZZZ			00:35																					
ZZZZZZ			00:37																					
ZZZZZZ			00:40																					
ZZZZZZ			00:42																					
CCVH 280-199917/71			00:45																					
CCV 280-199917/72			00:47																					
CCB 280-199917/73			00:49																					
CCVL 280-199917/74			00:51																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr
ICIS 280-200251/1	1		14:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-200251/2			14:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-200251/3			14:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ICVH 280-200251/6	1		14:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:47																				
ICV 280-200251/8	1		14:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 280-200251/9	1		14:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 280-200251/10	1		15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-200251/11			15:19																				
CCV 280-200251/12			15:21																				
ICB 280-200251/13	1		15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 280-200251/14	1		15:26	X	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
CRI 280-200251/15	1		15:48				X							X									
ICSA 280-200251/16	1		15:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 280-200251/17	1		16:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRA 280-200251/18			16:04																				
ZZZZZZ			16:07																				
CCVH 280-200251/20	1		16:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:13																				
CCV 280-200251/22	1		16:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/23	1		16:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/24	1		16:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/25	1		16:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
MB 280-198991/1-A	1	T	16:45		X														X				
LCS 280-198991/2-A	1	T	16:47		X														X				
ZZZZZZ			16:49																				
280-48651-6	1	T	16:52		X														X				
280-48651-7	1	T	16:54		X														X				
CCVH 280-200251/33	1		16:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/34	1		16:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/35	1		17:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/36	1		17:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
CCVH 280-200251/47	1		17:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/48	1		17:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/49	1		17:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/50	1		17:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:37																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				
ZZZZZZ			17:47																				
ZZZZZZ			17:50																				
ZZZZZZ			17:52																				
CCVH 280-200251/58			18:01																				
CCV 280-200251/59			18:04																				
CCB 280-200251/60			18:06																				
CCVL 280-200251/61			18:08																				
CCVH 280-200251/62	1		19:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/63	1		19:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/64	1		19:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/65	1		19:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 280-199600/1-A	1	T	19:48	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 280-199600/2-A	1	T	19:50	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-1	1	T	19:53	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-1 SD	5	T	19:55	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-1 MS	1	T	19:57	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-1 MSD	1	T	19:59	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-1 PDS	1	T	20:01	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-200251/73	1		20:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/74	1		20:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/75	1		20:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/76	1		20:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-2	1	T	20:12	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-3	1	T	20:15	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-4	1	T	20:17	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-48651-5	1	T	20:19	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:21																				
CCVH 280-200251/82	1		20:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/83	1		20:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/84	1		20:28	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr
CCVL 280-200251/85	1		20:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:37																				
ZZZZZZ			20:39																				
ZZZZZZ			20:42																				
ZZZZZZ			20:44																				
ZZZZZZ			20:46																				
CCVH 280-200251/93			20:48																				
CCV 280-200251/94			20:51																				
CCB 280-200251/95			20:53																				
CCVL 280-200251/96			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			21:00																				
ZZZZZZ			21:03																				
ZZZZZZ			21:05																				
ZZZZZZ			21:08																				
CCVH 280-200251/102			21:11																				
CCV 280-200251/103			21:14																				
CCB 280-200251/104			21:16																				
CCVL 280-200251/105			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:27																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:34																				
CCVH 280-200251/113			21:36																				
CCV 280-200251/114			21:39																				
CCB 280-200251/115			21:41																				
CCVL 280-200251/116			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:56																				
CCVH 280-200251/122			21:59																				
CCV 280-200251/123			22:01																				
CCB 280-200251/124			22:03																				
CCVL 280-200251/125			22:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																				
				Tl	V	Zn																		
ICIS 280-200251/1	1		14:25	X	X	X																		
IC 280-200251/2			14:27	X	X	X																		
IC 280-200251/3			14:29	X	X	X																		
ZZZZZZ			14:36																					
ZZZZZZ			14:40																					
ICVH 280-200251/6	1		14:44	X	X	X																		
ZZZZZZ			14:47																					
ICV 280-200251/8	1		14:57	X	X	X																		
ICV 280-200251/9	1		14:59	X	X	X																		
ICVL 280-200251/10	1		15:16	X	X	X																		
CCVH 280-200251/11			15:19																					
CCV 280-200251/12			15:21																					
ICB 280-200251/13	1		15:24	X	X	X																		
CRI 280-200251/14	1		15:26	X	X																			
CRI 280-200251/15	1		15:48			X																		
ICSA 280-200251/16	1		15:58	X	X	X																		
ICSAB 280-200251/17	1		16:01	X	X	X																		
LRA 280-200251/18			16:04																					
ZZZZZZ			16:07																					
CCVH 280-200251/20	1		16:11	X	X	X																		
ZZZZZZ			16:13																					
CCV 280-200251/22	1		16:23	X	X	X																		
CCV 280-200251/23	1		16:28	X	X	X																		
CCB 280-200251/24	1		16:35	X	X	X																		
CCVL 280-200251/25	1		16:38	X	X	X																		
ZZZZZZ			16:40																					
ZZZZZZ			16:42																					
MB 280-198991/1-A	1	T	16:45																					
LCS 280-198991/2-A	1	T	16:47																					
ZZZZZZ			16:49																					
280-48651-6	1	T	16:52																					
280-48651-7	1	T	16:54																					
CCVH 280-200251/33	1		16:56	X	X	X																		
CCV 280-200251/34	1		16:58	X	X	X																		
CCB 280-200251/35	1		17:01	X	X	X																		
CCVL 280-200251/36	1		17:03	X	X																			
ZZZZZZ			17:05																					
ZZZZZZ			17:08																					
ZZZZZZ			17:10																					
ZZZZZZ			17:12																					
ZZZZZZ			17:15																					
ZZZZZZ			17:17																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																				
				Tl	V	Zn																		
ZZZZZZ			17:19																					
ZZZZZZ			17:22																					
ZZZZZZ			17:24																					
ZZZZZZ			17:26																					
CCVH 280-200251/47	1		17:28	X	X	X																		
CCV 280-200251/48	1		17:31	X	X	X																		
CCB 280-200251/49	1		17:33	X	X	X																		
CCVL 280-200251/50	1		17:35	X	X	X																		
ZZZZZZ			17:37																					
ZZZZZZ			17:40																					
ZZZZZZ			17:42																					
ZZZZZZ			17:45																					
ZZZZZZ			17:47																					
ZZZZZZ			17:50																					
ZZZZZZ			17:52																					
CCVH 280-200251/58			18:01																					
CCV 280-200251/59			18:04																					
CCB 280-200251/60			18:06																					
CCVL 280-200251/61			18:08																					
CCVH 280-200251/62	1		19:39	X	X	X																		
CCV 280-200251/63	1		19:41	X	X	X																		
CCB 280-200251/64	1		19:44	X	X	X																		
CCVL 280-200251/65	1		19:46	X	X	X																		
MB 280-199600/1-A	1	T	19:48	X	X	X																		
LCS 280-199600/2-A	1	T	19:50	X	X	X																		
280-48651-1	1	T	19:53	X	X	X																		
280-48651-1 SD	5	T	19:55	X	X	X																		
280-48651-1 MS	1	T	19:57	X	X	X																		
280-48651-1 MSD	1	T	19:59	X	X	X																		
280-48651-1 PDS	1	T	20:01	X	X	X																		
CCVH 280-200251/73	1		20:03	X	X	X																		
CCV 280-200251/74	1		20:06	X	X	X																		
CCB 280-200251/75	1		20:08	X	X	X																		
CCVL 280-200251/76	1		20:10	X	X	X																		
280-48651-2	1	T	20:12	X	X	X																		
280-48651-3	1	T	20:15	X	X	X																		
280-48651-4	1	T	20:17	X	X	X																		
280-48651-5	1	T	20:19	X	X	X																		
ZZZZZZ			20:21																					
CCVH 280-200251/82	1		20:24	X	X	X																		
CCV 280-200251/83	1		20:26	X	X	X																		
CCB 280-200251/84	1		20:28	X	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				Tl	V	Zn																	
CCVL 280-200251/85	1		20:30	X	X	X																	
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:37																				
ZZZZZZ			20:39																				
ZZZZZZ			20:42																				
ZZZZZZ			20:44																				
ZZZZZZ			20:46																				
CCVH 280-200251/93			20:48																				
CCV 280-200251/94			20:51																				
CCB 280-200251/95			20:53																				
CCVL 280-200251/96			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			21:00																				
ZZZZZZ			21:03																				
ZZZZZZ			21:05																				
ZZZZZZ			21:08																				
CCVH 280-200251/102			21:11																				
CCV 280-200251/103			21:14																				
CCB 280-200251/104			21:16																				
CCVL 280-200251/105			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:27																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:34																				
CCVH 280-200251/113			21:36																				
CCV 280-200251/114			21:39																				
CCB 280-200251/115			21:41																				
CCVL 280-200251/116			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:56																				
CCVH 280-200251/122			21:59																				
CCV 280-200251/123			22:01																				
CCB 280-200251/124			22:03																				
CCVL 280-200251/125			22:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
ICIS 280-200481/1	1		15:24	X	X																		
IC 280-200481/2			15:27	X	X																		
IC 280-200481/3			15:29	X	X																		
ZZZZZZ			15:31																				
ZZZZZZ			15:33																				
ICVH 280-200481/6	1		15:37	X	X																		
ICV 280-200481/7	1		15:42	X	X																		
ICVL 280-200481/8	1		15:45	X	X																		
CCVH 280-200481/9			15:49																				
CCV 280-200481/10			15:52																				
ZZZZZZ			15:54																				
ICB 280-200481/12	1		16:01	X	X																		
CRI 280-200481/13	1		16:04	X	X																		
ICSA 280-200481/14	1		16:09	X	X																		
ICSAB 280-200481/15	1		16:12	X	X																		
ZZZZZZ			16:15																				
LRA 280-200481/17			16:19																				
CCVH 280-200481/18			16:22																				
CCV 280-200481/19			16:24																				
CCB 280-200481/20			16:26																				
CCVL 280-200481/21			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:44																				
CCVH 280-200481/29			16:47																				
CCV 280-200481/30			16:49																				
CCB 280-200481/31			16:51																				
CCVL 280-200481/32			16:53																				
ZZZZZZ			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:11																				
CCVH 280-200481/40			17:13																				
CCV 280-200481/41			17:16																				
ZZZZZZ			17:18																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
CCVL 280-200481/43			17:20																				
CCB 280-200481/44			17:24																				
ZZZZZZ			17:32																				
ZZZZZZ			17:34																				
ZZZZZZ			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:41																				
ZZZZZZ			17:43																				
ZZZZZZ			17:45																				
CCVH 280-200481/52			17:47																				
CCV 280-200481/53			17:50																				
CCB 280-200481/54			17:52																				
CCVL 280-200481/55			17:54																				
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:02																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
CCVH 280-200481/61			18:10																				
CCV 280-200481/62			18:12																				
CCB 280-200481/63			18:14																				
CCVL 280-200481/64			18:16																				
ZZZZZZ			18:19																				
ZZZZZZ			18:21																				
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
ZZZZZZ			18:28																				
ZZZZZZ			18:30																				
ZZZZZZ			18:33																				
ZZZZZZ			18:35																				
ZZZZZZ			18:37																				
CCVH 280-200481/74	1		18:39	X	X																		
CCV 280-200481/75	1		18:42	X	X																		
CCB 280-200481/76	1		18:44	X	X																		
CCVL 280-200481/77	1		18:46	X	X																		
MB 280-199600/1-A	1	T	18:48	X	X																		
LCS 280-199600/2-A	1	T	18:51	X	X																		
280-48651-1	1	T	18:53	X	X																		
280-48651-1 SD	5	T	18:55	X	X																		
280-48651-1 MS	1	T	18:57	X	X																		
280-48651-1 MSD	1	T	18:59	X	X																		
280-48651-1 PDS	1	T	19:02	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
CCVH 280-200481/85	1		19:04	X	X																		
CCV 280-200481/86	1		19:06	X	X																		
CCB 280-200481/87	1		19:08	X	X																		
CCVL 280-200481/88	1		19:11	X	X																		
280-48651-2	1	T	19:13	X	X																		
280-48651-3	1	T	19:15	X	X																		
280-48651-4	1	T	19:17	X	X																		
280-48651-5	1	T	19:20	X	X																		
ZZZZZZ			19:22																				
CCVH 280-200481/94	1		19:24	X	X																		
CCV 280-200481/95	1		19:26	X	X																		
CCB 280-200481/96	1		19:29	X	X																		
CCVL 280-200481/97	1		19:31	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ICIS 280-201175/1	1		14:26	X																				
IC 280-201175/2			14:28	X																				
IC 280-201175/3			14:31	X																				
ZZZZZZ			14:33																					
ZZZZZZ			14:35																					
ICVH 280-201175/6	1		14:37	X																				
ICV 280-201175/7	1		14:40	X																				
ZZZZZZ			14:42																					
ICVL 280-201175/9	1		15:04	X																				
ICVL 280-201175/10	1		15:07	X																				
CCVH 280-201175/11			15:16																					
CCV 280-201175/12			15:18																					
ZZZZZZ			15:20																					
ICB 280-201175/14	1		15:24	X																				
CRI 280-201175/15	1		15:26	X																				
CRI 280-201175/16			15:37																					
CRI 280-201175/17	1		15:55																					
ICSA 280-201175/18	1		15:59	X																				
ICSAB 280-201175/19	1		16:02	X																				
LRA 280-201175/20			16:04																					
CCVH 280-201175/21	1		16:07	X																				
CCV 280-201175/22	1		16:09	X																				
CCB 280-201175/23	1		16:12	X																				
CCVL 280-201175/24	1		16:14	X																				
ZZZZZZ			16:27																					
LCS 280-198991/2-A	1	T	16:30	X																				
ZZZZZZ			16:32																					
ZZZZZZ			16:34																					
ZZZZZZ			16:37																					
ZZZZZZ			16:39																					
ZZZZZZ			16:41																					
280-48651-6	1	T	16:43	X																				
280-48651-7	1	T	16:46	X																				
CCVH 280-201175/34	1		16:48	X																				
CCV 280-201175/35	1		16:50	X																				
CCB 280-201175/36	1		16:53	X																				
CCVL 280-201175/37	1		17:01	X																				
MB 280-199600/1-A	1	T	17:05	X																				
LCS 280-199600/2-A	1	T	17:07	X																				
280-48651-1	1	T	17:09	X																				
280-48651-1 SD	5	T	17:12	X																				
280-48651-1 MS	1	T	17:14	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				Sb																			
280-48651-1 MSD	1	T	17:16	X																			
280-48651-1 PDS	1	T	17:18	X																			
CCVH 280-201175/45	1		17:20	X																			
CCV 280-201175/46	1		17:23	X																			
CCB 280-201175/47	1		17:25	X																			
CCVL 280-201175/48	1		17:29	X																			
280-48651-2	1	T	17:39	X																			
280-48651-3	1	T	17:42	X																			
280-48651-4	1	T	17:44	X																			
280-48651-5	1	T	17:46	X																			
ZZZZZZ			17:48																				
ZZZZZZ			17:51																				
ZZZZZZ			17:53																				
ZZZZZZ			17:56																				
ZZZZZZ			17:58																				
ZZZZZZ			18:00																				
CCVH 280-201175/59	1		18:03	X																			
CCV 280-201175/60	1		18:05	X																			
CCB 280-201175/61	1		18:07	X																			
CCVL 280-201175/62	1		18:09	X																			
ZZZZZZ			18:12																				
ZZZZZZ			18:14																				
ZZZZZZ			18:16																				
ZZZZZZ			18:19																				
ZZZZZZ			18:21																				
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
CCVH 280-201175/70			18:28																				
CCV 280-201175/71			18:30																				
CCB 280-201175/72			18:32																				
CCVL 280-201175/73			18:35																				
ZZZZZZ			18:37																				
ZZZZZZ			18:39																				
ZZZZZZ			18:42																				
ZZZZZZ			18:44																				
ZZZZZZ			18:46																				
CCVH 280-201175/79			18:49																				
CCV 280-201175/80			18:52																				
CCB 280-201175/81			18:54																				
CCVL 280-201175/82			18:56																				
ZZZZZZ			18:58																				
ZZZZZZ			19:01																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ZZZZZZ			19:03																					
ZZZZZZ			19:05																					
ZZZZZZ			19:08																					
ZZZZZZ			19:10																					
ZZZZZZ			19:12																					
ZZZZZZ			19:14																					
CCVH 280-201175/91			19:17																					
CCV 280-201175/92			19:19																					
CCB 280-201175/93			19:21																					
CCVL 280-201175/94			19:23																					
ZZZZZZ			19:26																					
ZZZZZZ			19:28																					
ZZZZZZ			19:31																					
ZZZZZZ			19:33																					
ZZZZZZ			19:35																					
ZZZZZZ			19:38																					
ZZZZZZ			19:40																					
ZZZZZZ			19:43																					
CCVH 280-201175/103			19:45																					
CCV 280-201175/104			19:47																					
CCB 280-201175/105			19:49																					
CCVL 280-201175/106			19:52																					

Prep Types

T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/15/2013 15:17 End Date: 11/16/2013 02:43

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ICIS 280-201485/1	1		15:17	X																				
IC 280-201485/2			15:19	X																				
IC 280-201485/3			15:21	X																				
ZZZZZZ			15:23																					
ZZZZZZ			15:26																					
ICVH 280-201485/6	1		15:38	X																				
ICV 280-201485/7	1		15:43	X																				
ICVL 280-201485/8	1		15:54	X																				
CCVH 280-201485/9			15:57																					
CCV 280-201485/10			15:59																					
ICB 280-201485/11	1		16:01	X																				
CRI 280-201485/12	1		16:05	X																				
CRI 280-201485/13			16:28																					
ICSA 280-201485/14	1		16:38	X																				
ICSAB 280-201485/15	1		16:41	X																				
LRA 280-201485/16			16:43																					
CCVH 280-201485/17			16:46																					
CCV 280-201485/18			16:49																					
CCB 280-201485/19			16:51																					
ZZZZZZ			16:56																					
CCVH 280-201485/21	1		22:27	X																				
CCV 280-201485/22	1		22:29	X																				
CCB 280-201485/23	1		22:32	X																				
CCVL 280-201485/24	1		22:34	X																				
MB 280-198991/1-A	1	T	22:36	X																				
ZZZZZZ			22:39																					
ZZZZZZ			22:41																					
ZZZZZZ			22:43																					
ZZZZZZ			22:46																					
ZZZZZZ			22:48																					
ZZZZZZ			22:51																					
ZZZZZZ			22:53																					
ZZZZZZ			22:56																					
ZZZZZZ			22:58																					
CCVH 280-201485/35	1		23:01	X																				
CCV 280-201485/36	1		23:03	X																				
CCB 280-201485/37	1		23:05	X																				
CCVL 280-201485/38	1		23:08	X																				
ZZZZZZ			23:10																					
ZZZZZZ			23:12																					
ZZZZZZ			23:15																					
ZZZZZZ			23:18																					

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/15/2013 15:17 End Date: 11/16/2013 02:43

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ZZZZZZ			23:20																					
ZZZZZZ			23:23																					
ZZZZZZ			23:26																					
ZZZZZZ			23:29																					
ZZZZZZ			23:32																					
ZZZZZZ			23:34																					
CCVH 280-201485/49			23:36																					
CCV 280-201485/50			23:39																					
CCB 280-201485/51			23:41																					
CCVL 280-201485/52			23:43																					
ZZZZZZ			23:46																					
ZZZZZZ			23:48																					
ZZZZZZ			23:50																					
ZZZZZZ			23:53																					
ZZZZZZ			23:55																					
ZZZZZZ			23:58																					
ZZZZZZ			00:00																					
ZZZZZZ			00:03																					
ZZZZZZ			00:05																					
ZZZZZZ			00:08																					
CCVH 280-201485/63			00:10																					
CCV 280-201485/64			00:12																					
CCB 280-201485/65			00:15																					
CCVL 280-201485/66			00:17																					
ZZZZZZ			00:19																					
ZZZZZZ			00:22																					
ZZZZZZ			00:24																					
ZZZZZZ			00:27																					
ZZZZZZ			00:30																					
ZZZZZZ			00:33																					
ZZZZZZ			00:36																					
ZZZZZZ			00:39																					
ZZZZZZ			00:41																					
ZZZZZZ			00:44																					
CCVH 280-201485/77			00:47																					
CCV 280-201485/78			00:49																					
CCB 280-201485/79			00:51																					
CCVL 280-201485/80			00:54																					
ZZZZZZ			00:56																					
ZZZZZZ			00:58																					
ZZZZZZ			01:00																					
ZZZZZZ			01:03																					

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/15/2013 15:17 End Date: 11/16/2013 02:43

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ZZZZZZ			01:05																					
ZZZZZZ			01:08																					
ZZZZZZ			01:10																					
CCVH 280-201485/88			01:12																					
CCV 280-201485/89			01:15																					
CCB 280-201485/90			01:17																					
CCVL 280-201485/91			01:19																					
ZZZZZZ			01:22																					
ZZZZZZ			01:24																					
ZZZZZZ			01:27																					
ZZZZZZ			01:29																					
ZZZZZZ			01:31																					
ZZZZZZ			01:34																					
ZZZZZZ			01:36																					
ZZZZZZ			01:39																					
CCVH 280-201485/100			01:41																					
CCV 280-201485/101			01:44																					
CCB 280-201485/102			01:46																					
CCVL 280-201485/103			01:48																					
ZZZZZZ			01:51																					
ZZZZZZ			01:53																					
ZZZZZZ			01:55																					
ZZZZZZ			01:58																					
ZZZZZZ			02:00																					
ZZZZZZ			02:02																					
ZZZZZZ			02:05																					
CCVH 280-201485/111			02:07																					
CCV 280-201485/112			02:09																					
CCB 280-201485/113			02:12																					
CCVL 280-201485/114			02:14																					
ZZZZZZ			02:16																					
ZZZZZZ			02:19																					
ZZZZZZ			02:21																					
ZZZZZZ			02:24																					
ZZZZZZ			02:26																					
ZZZZZZ			02:28																					
ZZZZZZ			02:31																					
ZZZZZZ			02:33																					
CCVH 280-201485/123			02:36																					
CCV 280-201485/124			02:38																					
CCB 280-201485/125			02:40																					
CCVL 280-201485/126			02:43																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/15/2013 15:17 End Date: 11/16/2013 02:43

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 11/08/2013 16:06 End Date: 11/08/2013 23:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD0 280-200323/1 IC			16:06	X																			
STD1 280-200323/2 IC			16:08	X																			
STD2 280-200323/3 IC			16:11	X																			
STD3 280-200323/4 IC			16:13	X																			
STD4 280-200323/5 IC			16:15	X																			
STD5 280-200323/6 IC			16:18	X																			
STD6 280-200323/7 IC			16:20	X																			
ICV 280-200323/8	1		16:22	X																			
ICB 280-200323/9	1		16:25	X																			
CRA 280-200323/10			16:27																				
CCV 280-200323/11			16:29																				
CCB 280-200323/12			16:31																				
ZZZZZZ			16:34																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
ZZZZZZ			16:41																				
ZZZZZZ			16:43																				
ZZZZZZ			16:45																				
ZZZZZZ			16:48																				
ZZZZZZ			16:50																				
ZZZZZZ			16:52																				
ZZZZZZ			16:55																				
CCV 280-200323/23			16:57																				
CCB 280-200323/24			16:59																				
ZZZZZZ			17:01																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
ZZZZZZ			17:08																				
ZZZZZZ			17:11																				
ZZZZZZ			17:13																				
ZZZZZZ			17:15																				
ZZZZZZ			17:18																				
ZZZZZZ			17:20																				
ZZZZZZ			17:22																				
CCV 280-200323/35			17:25																				
CCB 280-200323/36			17:27																				
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:34																				
ZZZZZZ			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:41																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 11/08/2013 16:06 End Date: 11/08/2013 23:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			17:43																				
ZZZZZZ			17:45																				
ZZZZZZ			17:48																				
ZZZZZZ			17:50																				
CCV 280-200323/47	1		17:52	X																			
CCB 280-200323/48	1		17:55	X																			
ZZZZZZ			17:57																				
ZZZZZZ			17:59																				
ZZZZZZ			18:01																				
MB 280-198955/1-A	1	T	18:04	X																			
LCS 280-198955/2-A	1	T	18:06	X																			
ZZZZZZ			18:08																				
ZZZZZZ			18:11																				
ZZZZZZ			18:13																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
CCV 280-200323/59	1		18:20	X																			
CCB 280-200323/60	1		18:22	X																			
ZZZZZZ			18:25																				
ZZZZZZ			18:27																				
ZZZZZZ			18:29																				
ZZZZZZ			18:31																				
ZZZZZZ			18:34																				
ZZZZZZ			18:36																				
ZZZZZZ			18:38																				
ZZZZZZ			18:41																				
ZZZZZZ			18:43																				
ZZZZZZ			18:45																				
CCV 280-200323/71	1		18:48	X																			
CCB 280-200323/72	1		18:50	X																			
ZZZZZZ			18:52																				
280-48651-6	1	T	18:55	X																			
280-48651-7	1	T	18:57	X																			
ZZZZZZ			18:59																				
ZZZZZZ			19:01																				
ZZZZZZ			19:04																				
ZZZZZZ			19:06																				
ZZZZZZ			19:08																				
ZZZZZZ			19:11																				
ZZZZZZ			19:13																				
CCV 280-200323/83	1		19:15	X																			
CCB 280-200323/84	1		19:18	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 11/08/2013 16:06 End Date: 11/08/2013 23:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			19:20																				
ZZZZZZ			19:22																				
ZZZZZZ			19:25																				
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:31																				
ZZZZZZ			19:34																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
ZZZZZZ			19:41																				
CCV 280-200323/95			19:43																				
CCB 280-200323/96			19:45																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:06																				
ZZZZZZ			20:08																				
CCV 280-200323/107			20:11																				
CCB 280-200323/108			20:13																				
ZZZZZZ			20:15																				
ZZZZZZ			20:18																				
ZZZZZZ			20:20																				
ZZZZZZ			20:22																				
ZZZZZZ			20:25																				
ZZZZZZ			20:27																				
ZZZZZZ			20:29																				
ZZZZZZ			20:32																				
ZZZZZZ			20:34																				
ZZZZZZ			20:36																				
CCV 280-200323/119			20:39																				
CCB 280-200323/120			20:41																				
ZZZZZZ			20:43																				
ZZZZZZ			20:46																				
ZZZZZZ			20:48																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:55																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 11/08/2013 16:06 End Date: 11/08/2013 23:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
ZZZZZZ			21:02																				
ZZZZZZ			21:04																				
CCV 280-200323/131			21:06																				
CCB 280-200323/132			21:09																				
ZZZZZZ			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:16																				
ZZZZZZ			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:27																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
CCV 280-200323/143			21:34																				
CCB 280-200323/144			21:37																				
ZZZZZZ			21:39																				
ZZZZZZ			21:41																				
ZZZZZZ			21:43																				
ZZZZZZ			21:46																				
ZZZZZZ			21:48																				
ZZZZZZ			21:50																				
ZZZZZZ			21:53																				
ZZZZZZ			21:55																				
ZZZZZZ			21:57																				
ZZZZZZ			22:00																				
CCV 280-200323/155			22:02																				
CCB 280-200323/156			22:04																				
ZZZZZZ			22:07																				
ZZZZZZ			22:09																				
ZZZZZZ			22:11																				
ZZZZZZ			22:14																				
ZZZZZZ			22:16																				
ZZZZZZ			22:18																				
ZZZZZZ			22:21																				
ZZZZZZ			22:23																				
ZZZZZZ			22:25																				
ZZZZZZ			22:28																				
CCV 280-200323/167			22:30																				
CCB 280-200323/168			22:32																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 11/08/2013 16:06 End Date: 11/08/2013 23:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			22:35																				
ZZZZZZ			22:37																				
ZZZZZZ			22:39																				
ZZZZZZ			22:42																				
ZZZZZZ			22:44																				
ZZZZZZ			22:46																				
ZZZZZZ			22:49																				
ZZZZZZ			22:51																				
ZZZZZZ			22:53																				
ZZZZZZ			22:56																				
CCV 280-200323/179			22:58																				
CCB 280-200323/180			23:00																				
ZZZZZZ			23:03																				
ZZZZZZ			23:05																				
ZZZZZZ			23:07																				
ZZZZZZ			23:09																				
ZZZZZZ			23:12																				
ZZZZZZ			23:14																				
ZZZZZZ			23:17																				
ZZZZZZ			23:19																				
ZZZZZZ			23:21																				
ZZZZZZ			23:24																				
CCV 280-200323/191			23:26																				
CCB 280-200323/192			23:28																				
ZZZZZZ			23:30																				
ZZZZZZ			23:33																				
ZZZZZZ			23:35																				
ZZZZZZ			23:37																				
ZZZZZZ			23:40																				
ZZZZZZ			23:42																				
ZZZZZZ			23:44																				
ZZZZZZ			23:47																				
ZZZZZZ			23:49																				
ZZZZZZ			23:52																				
CCV 280-200323/203			23:54																				
CCB 280-200323/204			23:56																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
STD0 280-200988/1 IC			17:33	X																				
STD1 280-200988/2 IC			17:35	X																				
STD2 280-200988/3 IC			17:38	X																				
STD3 280-200988/4 IC			17:40	X																				
STD4 280-200988/5 IC			17:42	X																				
STD5 280-200988/6 IC			17:45	X																				
STD6 280-200988/7 IC			17:47	X																				
ICV 280-200988/8	1		17:57	X																				
ICB 280-200988/9	1		18:01	X																				
CRA 280-200988/10			18:06																					
CCV 280-200988/11			18:08																					
CCB 280-200988/12			18:11																					
ZZZZZZ			18:13																					
ZZZZZZ			18:18																					
ZZZZZZ			18:20																					
ZZZZZZ			18:22																					
ZZZZZZ			18:24																					
ZZZZZZ			18:27																					
ZZZZZZ			18:29																					
ZZZZZZ			18:31																					
ZZZZZZ			18:34																					
ZZZZZZ			18:36																					
CCV 280-200988/23	1		18:38	X																				
CCB 280-200988/24	1		18:41	X																				
ZZZZZZ			18:43																					
ZZZZZZ			18:45																					
ZZZZZZ			18:48																					
MB 280-199719/1-A	1	T	18:50	X																				
ZZZZZZ			18:52																					
ZZZZZZ			18:54																					
280-48651-1	1	T	18:57	X																				
280-48651-2	1	T	18:59	X																				
280-48651-3	1	T	19:01	X																				
280-48651-4	1	T	19:04	X																				
CCV 280-200988/35	1		19:06	X																				
CCB 280-200988/36	1		19:08	X																				
280-48651-5	1	T	19:10	X																				
280-48651-5 SD	5	T	19:13	X																				
280-48651-5 MS	1	T	19:15	X																				
280-48651-5 MSD	1	T	19:18	X																				
LCS 280-199719/2-A	1	T	19:20	X																				
CCV 280-200988/42	1		19:22	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCB 280-200988/43	1		19:25	X																			
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
ZZZZZZ			19:34																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
CCV 280-200988/50			19:41																				
CCB 280-200988/51			19:43																				
ZZZZZZ			19:45																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:06																				
CCV 280-200988/62			20:08																				
CCB 280-200988/63			20:11																				
ZZZZZZ			20:13																				
ZZZZZZ			20:15																				
ZZZZZZ			20:18																				
ZZZZZZ			20:20																				
ZZZZZZ			20:22																				
ZZZZZZ			20:25																				
ZZZZZZ			20:27																				
ZZZZZZ			20:29																				
ZZZZZZ			20:32																				
ZZZZZZ			20:34																				
CCV 280-200988/74			20:36																				
CCB 280-200988/75			20:38																				
ZZZZZZ			20:41																				
ZZZZZZ			20:43																				
ZZZZZZ			20:45																				
ZZZZZZ			20:48																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			21:01																				
CCV 280-200988/86			21:04																				
CCB 280-200988/87			21:06																				
ZZZZZZ			21:08																				
ZZZZZZ			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:15																				
ZZZZZZ			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:22																				
ZZZZZZ			21:24																				
ZZZZZZ			21:27																				
ZZZZZZ			21:29																				
CCV 280-200988/98			21:31																				
CCB 280-200988/99			21:34																				
ZZZZZZ			21:36																				
ZZZZZZ			21:38																				
ZZZZZZ			21:41																				
ZZZZZZ			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:50																				
ZZZZZZ			21:52																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
CCV 280-200988/110			21:59																				
CCB 280-200988/111			22:01																				
ZZZZZZ			22:04																				
ZZZZZZ			22:06																				
ZZZZZZ			22:08																				
ZZZZZZ			22:11																				
ZZZZZZ			22:13																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
ZZZZZZ			22:20																				
ZZZZZZ			22:22																				
ZZZZZZ			22:24																				
CCV 280-200988/122			22:27																				
CCB 280-200988/123			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:34																				
ZZZZZZ			22:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			22:38																				
ZZZZZZ			22:41																				
ZZZZZZ			22:43																				
ZZZZZZ			22:45																				
ZZZZZZ			22:48																				
ZZZZZZ			22:52																				
ZZZZZZ			22:57																				
CCV 280-200988/134			22:59																				
CCB 280-200988/135			23:01																				
ZZZZZZ			23:04																				
ZZZZZZ			23:08																				
ZZZZZZ			23:10																				
ZZZZZZ			23:12																				
ZZZZZZ			23:15																				
ZZZZZZ			23:17																				
ZZZZZZ			23:19																				
ZZZZZZ			23:22																				
ZZZZZZ			23:24																				
CCV 280-200988/145			23:27																				
CCB 280-200988/146			23:30																				

Prep Types

T = Total/NA

Sample Name: ICIS Acquired: 11/7/2013 15:01:06 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00189**	**.00029**	**-.01800**	**-.00013**	**.00039**	**.00671**	**-.00027**	**-.00103**	**.00613**	**.00012**	**-.00025**	**-.00028**	**.00335**
Stddev	.00010	.00000	.00043	.00016	.00000	.00025	.00046	.00012	.00002	.00000	.00021	.00021	.00021
%RSD	5.1281	1.2533	2.3963	117.38	1.0546	3.7557	169.64	11.415	.38480	2.9402	85.052	74.620	6.3987
#1	-.00196	.00029	-.01831	-.00002	.00040	.00688	.00005	-.00111	.00611	.00012	-.00039	-.00013	.00350
#2	-.00182	.00029	-.01770	-.00025	.00039	.00653	-.00060	-.00095	.00615	.00011	-.00010	-.00043	.00320

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00082**	**-.00104**	**-.00209**	**-.01018**	**-.00002**	**.00001**	**.00009**	**-.00374**	**-.01153**	**-.00069**	**-.00008**	**.00012**	**-.00067**
Stddev	.00001	.00016	.00183	.00075	.00001	.00000	.00006	.00160	.00128	.00009	.00004	.00008	.00003
%RSD	1.6308	15.811	87.930	7.3289	23.431	62.627	68.054	42.691	11.085	12.570	49.412	62.186	3.9561
#1	.00081	-.00092	-.00079	-.00966	-.00002	.00001	.00013	-.00487	-.01062	-.00075	-.00005	.00007	-.00069
#2	.00083	-.00116	-.00338	-.01071	-.00003	.00000	.00005	-.00261	-.01243	-.00063	-.00011	.00018	-.00065

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00035**	**.00014**	**.00116**	**.00116**	**.00010**	**-.00249**	**-.00072**	**-.00033**	**-.00025**	**-.00032**	**.00037**	**.00001**	**-.00282**
Stddev	.00011	.00005	.00033	.00033	.00009	.00008	.00007	.00005	.00010	.00021	.00006	.00000	.00029
%RSD	30.380	38.295	28.043	28.043	95.732	3.1418	9.9420	14.124	41.343	66.149	15.848	4.2803	10.447
#1	.00043	.00010	.00093	.00093	.00003	-.00243	-.00077	-.00036	-.00033	-.00017	.00041	.00001	-.00261
#2	.00027	.00018	.00139	.00139	.00016	-.00255	-.00067	-.00029	-.00018	-.00047	.00033	.00001	-.00303

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8309.7**	**108790.**	**9222.7**
Stddev	31.9	220.	86.3
%RSD	.38417	.20250	.93539
#1	8332.3	108950.	9161.7
#2	8287.1	108640.	9283.7

Sample Name: ICAL1 Acquired: 11/7/2013 15:03:25 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18060**	**.22654**	**.08717**	**.24273**	**4.0957**	**6.6962**	**1.9981**	**1.3342**	**.81228**	**.88751**	**.28105**	**.67583**	**3.9444**	**1.5509**
Stddev	.00005	.00060	.00052	.00007	.0124	.0067	.0032	.0004	.00014	.00133	.00057	.00359	.0094	.0032
%RSD	.02513	.26322	.59723	.03006	.30175	.10038	.15750	.02834	.01752	.15014	.20340	.53083	.23885	.20481
#1	.18057	.22612	.08754	.24268	4.1044	6.7009	2.0004	1.3345	.81218	.88845	.28065	.67837	3.9511	1.5531
#2	.18064	.22697	.08681	.24278	4.0869	6.6914	1.9959	1.3339	.81238	.88657	.28146	.67330	3.9377	1.5486

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.85849**	**1.1264**	**.44861**	**1.2867**	**.61928**	**.10187**	**.44896**	**.15776**	**.08432**	**.32761**	**.32761**	**.21479**	**8.1134**	**.26704**
Stddev	.00278	.0002	.00024	.0000	.00149	.00004	.00093	.00025	.00019	.00061	.00061	.00019	.0288	.00011
%RSD	.32354	.01953	.05315	.00115	.23998	.03765	.20775	.15608	.22070	.18517	.18517	.08639	.35459	.04224
#1	.86046	1.1262	.44877	1.2867	.62033	.10190	.44962	.15758	.08419	.32804	.32804	.21466	8.1337	.26712
#2	.85653	1.1265	.44844	1.2867	.61823	.10184	.44830	.15793	.08446	.32718	.32718	.21492	8.0930	.26696

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.16600**	**.18935**	**.02710**	**.30965**
Stddev	.00007	.00010	.00010	.00097
%RSD	.04077	.05389	.35859	.31359
#1	.16595	.18928	.02717	.31034
#2	.16605	.18942	.02704	.30896

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.3**	**103940.**	**9104.5**
Stddev	33.4	1036.	49.7
%RSD	.40864	.99717	.54587
#1	8139.7	103210.	9069.4
#2	8186.9	104670.	9139.7

Sample Name: ICAL2 Acquired: 11/7/2013 15:05:35 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.7252**	**.17870**	**.63492**	**2.4111**	**.28808**	**.43540**	**.08545**
Stddev	.0032	.00040	.00280	.0089	.00035	.00071	.00015
%RSD	.08547	.22593	.44148	.36770	.12014	.16217	.17357
#1	3.7275	.17898	.63690	2.4174	.28832	.43490	.08556
#2	3.7230	.17841	.63294	2.4049	.28783	.43590	.08535

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7950.9**	**101390.**	**9160.1**
Stddev	8.6	1015.	7.7
%RSD	.10848	1.0009	.08389
#1	7957.0	102110.	9154.7
#2	7944.8	100670.	9165.5

Sample Name: S1-2357605 Acquired: 11/7/2013 15:10:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99725**	**1.0058**	**1.9908**	**.99673**	**1.0120**	**1.0092**	**-.00272**	**10.032**	**.99985**	**1.0013**	**.99255**	**1.0023**	**4.9929**
Stddev	.00131	.0036	.0075	.00163	.0016	.0018	.00033	.021	.00173	.0018	.00201	.0011	.0109
%RSD	.13159	.35952	.37437	.16339	.15460	.18132	12.044	.21151	.17291	.18250	.20294	.11289	.21801
#1	.99632	1.0084	1.9960	.99789	1.0131	1.0105	-.00249	10.047	1.0011	1.0026	.99397	1.0031	5.0006
#2	.99818	1.0033	1.9855	.99558	1.0108	1.0079	-.00295	10.017	.99863	1.0000	.99112	1.0015	4.9852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.72**	**2.0016**	**39.505**	**.99919**	**.98988**	**10.156**	**10.416**	**.99466**	**1.9873**	**1.9963**	**-.00897**	**2.0194**	**1.9930**
Stddev	.04	.0024	.015	.00127	.00205	.005	.191	.00181	.0035	.0023	.00118	.0018	.0055
%RSD	.03758	.12229	.03700	.12688	.20741	.05093	1.8322	.18191	.17468	.11684	13.125	.08778	.27491
#1	100.69	1.9998	39.515	1.0001	.99133	10.152	10.551	.99594	1.9897	1.9980	-.00814	2.0182	1.9891
#2	100.75	2.0033	39.495	.99829	.98843	10.159	10.281	.99338	1.9848	1.9947	-.00980	2.0207	1.9969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9486**	**21.290**	**1.9797**	**1.0092**	**-.00944**	**1.0057**	**2.0096**	**-.02481**	**1.0001**	**.99120**	**1.0073**
Stddev	.0318	.068	.0044	.0022	.00062	.0029	.0001	.02459	.0026	.00159	.0006
%RSD	.31918	.31918	.22096	.22267	6.5727	.29156	.00646	99.090	.26329	.16061	.05767
#1	9.9261	21.242	1.9828	1.0108	-.00988	1.0078	2.0097	-.00743	1.0019	.99232	1.0077
#2	9.9710	21.338	1.9766	1.0076	-.00901	1.0036	2.0095	-.04220	.99821	.99007	1.0069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8210.2**	**104750.**	**9147.6**
Stddev	6.0	21.	1.7
%RSD	.07262	.01974	.01840
#1	8205.9	104740.	9148.8
#2	8214.4	104770.	9146.4

Sample Name: S2-2357612 Acquired: 11/7/2013 15:12:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01179**	**100.40**	**.00374**	**.00977**	**.00001**	**-.00004**	**1.9619**	**-.00450**	**-.00108**	**-.00114**	**-.00009**	**.02449**	**99.896**
Stddev	.00051	.02	.00166	.00034	.00011	.00008	.0134	.00074	.00025	.00012	.00023	.00050	.751
%RSD	4.3079	.01770	44.496	3.4403	751.63	210.14	.68360	16.358	23.432	10.169	261.48	2.0386	.75151
#1	.01144	100.42	.00256	.01001	.00009	.00002	1.9524	-.00502	-.00126	-.00106	.00007	.02414	99.366
#2	.01215	100.39	.00491	.00953	-.00006	-.00010	1.9714	-.00398	-.00090	-.00123	-.00025	.02484	100.43
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14098**	**.00200**	**.16425**	**.00116**	**.00025**	**502.47**	**-.00064**	**.00227**	**.00379**	**9.9917**	**.00364**	**-.00301**	**.02200**
Stddev	.00748	.00412	.00056	.00006	.00008	1.95	.00005	.00239	.00076	.0306	.00056	.00348	.01864
%RSD	5.3044	206.02	.34198	5.3524	31.155	.38904	7.2589	105.04	20.063	.30636	15.305	115.51	84.729
#1	.13570	.00491	.16465	.00112	.00019	501.08	-.00061	.00058	.00326	9.9700	.00404	-.00055	.00882
#2	.14627	-.00091	.16386	.00120	.00030	503.85	-.00068	.00396	.00433	10.013	.00325	-.00547	.03518
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04708**	**.00085**	**.00081**	**9.8636**	**-.01799**	**.00161**	**19.879**	**.00252**	**-.00057**	**.09506**
Stddev	.03989	.00001	.00012	.0257	.00050	.00070	.077	.00061	.00029	.00169
%RSD	84.729	1.6383	15.012	.26106	2.7912	43.567	.38833	24.141	50.214	1.7812
#1	.01887	.00086	.00090	9.8454	-.01764	.00111	19.933	.00295	-.00077	.09387
#2	.07529	.00084	.00072	9.8818	-.01835	.00210	19.824	.00209	-.00037	.09626
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8005.4**	**101740.**	**9146.4**
Stddev	5.2	235.	11.9
%RSD	.06514	.23147	.13047
#1	8009.1	101900.	9137.9
#2	8001.7	101570.	9154.8

Sample Name: ICVH-2348911 Acquired: 11/7/2013 15:17:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**40.456**	**.00292**	**.00230**	**.00248**	**-.00007**	**.52057**	**.00828**	**-.00067**	**.00065**	**.00027**	**.00702**	**81.373**
Stddev	.00005	.080	.00509	.00022	.00015	.00004	.00091	.00237	.00005	.00009	.00011	.00059	.013
%RSD	1.4913	.19693	174.01	9.5930	6.0619	49.862	.17549	28.664	7.3683	13.453	40.400	8.3823	.01628
#1	.00364	40.399	-.00067	.00215	.00259	-.00005	.52121	.00660	-.00071	.00072	.00034	.00743	81.383
#2	.00371	40.512	.00652	.00246	.00237	-.00010	.51992	.00996	-.00064	.00059	.00019	.00660	81.364
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**.00014**	**.05097**	**.00039**	**-.00019**	**41.685**	**.00035**	**.00136**	**.00142**	**3.8412**	**.00393**	**-.00033**	**-.00465**
Stddev	.06657	.00012	.00170	.00007	.00014	.278	.00033	.00081	.00002	.0116	.00164	.00056	.01422
%RSD	1467.9	84.255	3.3320	18.385	72.190	.66695	95.002	59.516	1.4641	.30300	41.739	166.07	305.49
#1	.05160	.00022	.04976	.00034	-.00028	41.489	.00059	.00194	.00143	3.8330	.00509	.00006	-.01471
#2	-.04253	.00006	.05217	.00045	-.00009	41.882	.00012	.00079	.00140	3.8495	.00277	-.00073	.00540
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00996**	**.00123**	**.00023**	**2.9444**	**-.00582**	**-.00073**	**5.2063**	**.00042**	**.00291**	**.02786**
Stddev	.03042	.00021	.00006	.0015	.00027	.00002	.0015	.00022	.00053	.00266
%RSD	305.49	17.433	24.782	.05183	4.6082	2.6734	.02974	53.301	18.396	9.5469
#1	-.03147	.00108	.00019	2.9433	-.00600	-.00071	5.2074	.00026	.00253	.02974
#2	.01155	.00138	.00027	2.9455	-.00563	-.00074	5.2052	.00058	.00328	.02598
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8428.2**	**107240.**	**9195.4**
Stddev	20.0	832.	81.2
%RSD	.23748	.77538	.88258
#1	8414.1	107830.	9252.8
#2	8442.4	106660.	9138.0

Sample Name: ICV-2357330 Acquired: 11/7/2013 15:22:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25453**	W **.26691**	**.25321**	**.25406**	**.25293**	**.24296**	**-.00177**	**2.0251**	**.25528**	**.25689**	**.25597**	**.25541**
Stddev	.00223	.00104	.00160	.00010	.00082	.00059	.00055	.0215	.00001	.00025	.00007	.00022
%RSD	.87635	.39003	.63266	.03959	.32333	.24125	31.434	1.0603	.00297	.09686	.02929	.08605
#1	.25295	.26618	.25208	.25414	.25235	.24255	-.00216	2.0099	.25527	.25706	.25592	.25525
#2	.25610	.26765	.25435	.25399	.25351	.24338	-.00137	2.0403	.25528	.25671	.25603	.25556
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25048**	**20.172**	**.25431**	**10.009**	**.25435**	**.25324**	**2.0522**	**.25688**	**1.9787**	**.26365**	**.00096**	**.25447**
Stddev	.00206	.141	.00131	.070	.00154	.00074	.0087	.00036	.0012	.00006	.00053	.00127
%RSD	.82269	.70142	.51569	.70075	.60516	.29130	.42438	.14057	.05952	.02366	55.141	.50092
#1	.24902	20.072	.25524	9.9597	.25326	.25377	2.0461	.25713	1.9795	.26361	.00059	.25357
#2	.25193	20.272	.25338	10.059	.25544	.25272	2.0584	.25662	1.9778	.26370	.00133	.25537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49734**	**1.9991**	**4.2781**	**.51474**	**.25045**	**-.00073**	**.25294**	W **.52791**	**-.07385**	**.25058**	**.24981**	**.24909**
Stddev	.00287	.0186	.0399	.00082	.00085	.00178	.00174	.00046	.01741	.00259	.00323	.00276
%RSD	.57667	.93216	.93216	.15997	.33962	242.24	.68813	.08676	23.576	1.0335	1.2914	1.1064
#1	.49936	1.9859	4.2499	.51533	.24985	.00052	.25171	.52823	-.08616	.24875	.24753	.24714
#2	.49531	2.0123	4.3063	.51416	.25106	-.00199	.25418	.52759	-.06154	.25241	.25209	.25104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
Value								.50000				
Range								5.4900%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8314.6**	**107230.**	**9339.6**
Stddev	8.8	1071.	15.4
%RSD	.10628	.99860	.16532
#1	8320.8	107990.	9350.5
#2	8308.3	106470.	9328.7

Sample Name: ICVL2363703 Acquired: 11/7/2013 15:28:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01092**	**.11124**	**.01550**	**.10432**	**.01053**	**.00096**	**.12501**	**.21328**	**.00519**	**.01077**	**.01052**	**.01620**	**.10033**	**3.1395**
Stddev	.00009	.00033	.00121	.00047	.00045	.00003	.00065	.00017	.00003	.00021	.00005	.00047	.00033	.0723
%RSD	.80492	.29740	7.8069	.44787	4.2828	3.3499	.52099	.08143	.66523	1.9797	.51142	2.8800	.33311	2.3020
#1	.01099	.11101	.01465	.10465	.01021	.00098	.12455	.21315	.00521	.01062	.01056	.01587	.10009	3.0884
#2	.01086	.11148	.01636	.10399	.01085	.00094	.12547	.21340	.00517	.01092	.01049	.01653	.10056	3.1906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01149**	**.21608**	**.01055**	**.01975**	**1.0930**	**.04277**	**3.0305**	**.01030**	**.00329**	**.01047**	**.01568**	**.49136**	**1.0515**	**.10532**
Stddev	.00024	.00099	.00003	.00017	.0048	.00024	.0100	.00019	.00023	.00146	.00261	.00477	.0102	.00007
%RSD	2.0806	.45722	.24327	.86691	.43719	.55533	.33003	1.8681	6.9996	13.956	16.664	.97124	.97124	.06732
#1	.01132	.21678	.01053	.01987	1.0963	.04294	3.0376	.01043	.00313	.01151	.01752	.48799	1.0443	.10537
#2	.01166	.21539	.01056	.01963	1.0896	.04260	3.0234	.01016	.00345	.00944	.01383	.49474	1.0587	.10527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.01697**	**.00991**	**.01692**	**.05233**	**.00985**	**.02272**	**.01495**
Stddev	.00012	.00255	.00013	.00054	.00090	.00034	.00043	.00065
%RSD	1.1961	15.050	1.3287	3.1873	1.7231	3.5003	1.9096	4.3568
#1	.01014	.01878	.01000	.01654	.05296	.00960	.02241	.01449
#2	.01031	.01517	.00981	.01730	.05169	.01009	.02302	.01541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8620.1**	**110870.**	**9338.8**
Stddev	14.1	595.	71.4
%RSD	.16354	.53684	.76430
#1	8610.1	110450.	9389.3
#2	8630.1	111290.	9288.3

Sample Name: CCVH-2357613 Acquired: 11/7/2013 15:34:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00527**	**48.999**	**.00224**	**.00444**	**-.00012**	**-.00004**	**.97164**	**-.00044**	**-.00066**	**-.00077**	**.00003**	**.01184**	**48.463**
Stddev	.00011	.037	.00053	.00003	.00000	.00003	.00230	.00378	.00003	.00005	.00011	.00039	.168
%RSD	2.0374	.07493	23.617	.77962	.53587	71.461	.23659	861.96	5.1715	6.5878	355.28	3.2688	.34607
#1	.00535	48.973	.00262	.00441	-.00012	-.00002	.97327	-.00311	-.00064	-.00080	-.00005	.01157	48.344
#2	.00519	49.025	.00187	.00446	-.00012	-.00006	.97002	.00224	-.00068	-.00073	.00011	.01212	48.581
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06405**	**.00179**	**.08257**	**.00049**	**-.00003**	**245.45**	**-.00044**	**.00067**	**.00194**	**4.8539**	**.00425**	**-.00134**	**.00128**
Stddev	.02918	.00100	.00203	.00000	.00004	.44	.00046	.00259	.00062	.0181	.00064	.00250	.00386
%RSD	45.565	55.884	2.4627	.34069	126.80	.18072	104.21	386.08	32.080	.37199	14.924	187.08	302.05
#1	.08468	.00108	.08401	.00049	.00000	245.77	-.00077	.00251	.00150	4.8667	.00470	-.00311	-.00145
#2	.04341	.00249	.08113	.00049	-.00006	245.14	-.00012	-.00116	.00238	4.8411	.00381	.00043	.00401
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00273**	**.00050**	**.00033**	**4.7827**	**-.00887**	**-.00007**	**10.067**	**.00116**	**.00104**	**.04366**
Stddev	.00826	.00043	.00016	.0172	.00012	.00048	.027	.00036	.00022	.00078
%RSD	302.05	86.291	49.028	.35948	1.3893	644.71	.26929	31.340	20.931	1.7904
#1	-.00311	.00080	.00044	4.7706	-.00896	-.00041	10.048	.00090	.00120	.04311
#2	.00858	.00019	.00021	4.7949	-.00878	.00026	10.086	.00142	.00089	.04421
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8231.8**	**104570.**	**9244.1**
Stddev	16.8	805.	8.7
%RSD	.20413	.76995	.09462
#1	8243.7	104000.	9237.9
#2	8220.0	105140.	9250.3

Sample Name: CCV-2357614 Acquired: 11/7/2013 15:36:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48529**	**.50044**	**.97280**	**.48795**	**.48890**	**.48343**	**-.00039**	**4.8676**	**.49029**	**.49385**	**.48669**	**.49380**	**2.4116**
Stddev	.00028	.00134	.00203	.00098	.00233	.00046	.00162	.0168	.00011	.00023	.00056	.00055	.0121
%RSD	.05693	.26731	.20866	.20186	.47603	.09412	411.00	.34533	.02280	.04559	.11482	.11111	.49998
#1	.48548	.50138	.97136	.48725	.48725	.48376	-.00154	4.8557	.49037	.49401	.48629	.49341	2.4031
#2	.48509	.49949	.97423	.48864	.49054	.48311	.00075	4.8794	.49021	.49369	.48708	.49419	2.4202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.453**	**.96769**	**19.173**	**.48821**	**.48817**	**4.9952**	**.49177**	**.95951**	**.99390**	**-.00348**	**.99757**	**.97214**	**4.8112**
Stddev	.141	.00599	.019	.00029	.00059	.0284	.00003	.00232	.00174	.00275	.00639	.00143	.0017
%RSD	.29157	.61875	.10072	.05932	.12069	.56761	.00536	.24161	.17552	79.044	.64027	.14686	.03464
#1	48.354	.96346	19.187	.48800	.48859	5.0153	.49179	.96115	.99514	-.00542	1.0021	.97113	4.8124
#2	48.553	.97193	19.160	.48841	.48775	4.9752	.49176	.95787	.99267	-.00153	.99305	.97314	4.8101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.296**	**.97728**	**.48682**	**-.00307**	**.49050**	**1.0100**	**.01367**	**.48736**	**.48176**	**.49135**
Stddev	.004	.00357	.00116	.00204	.00155	.0052	.01858	.00084	.00194	.00290
%RSD	.03464	.36490	.23911	66.204	.31665	.51819	135.95	.17166	.40204	.58946
#1	10.299	.97980	.48600	-.00451	.48940	1.0137	.00053	.48677	.48039	.48931
#2	10.294	.97476	.48764	-.00164	.49160	1.0063	.02681	.48795	.48313	.49340
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8372.8**	**107370.**	**9355.6**
Stddev	29.3	99.	9.9
%RSD	.34971	.09240	.10601
#1	8352.1	107290.	9362.6
#2	8393.5	107440.	9348.6

Sample Name: ICB Acquired: 11/7/2013 15:38:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00080**	**-.00084**	**.00137**	**-.00017**	**.00007**	**.00294**	**.00230**	**.00007**	**-.00006**	**.00008**	**-.00052**
Stddev	.00017	.00019	.00156	.00033	.00001	.00003	.00220	.00091	.00021	.00003	.00014	.00028
%RSD	354.39	24.158	186.57	23.773	7.2420	38.201	74.780	39.647	282.30	43.901	175.80	53.283
#1	.00017	.00094	-.00194	.00160	-.00017	.00005	.00138	.00166	.00022	-.00008	.00018	-.00033
#2	-.00007	.00066	.00027	.00114	-.00016	.00009	.00449	.00295	-.00007	-.00004	-.00002	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.04542**	**.00170**	**.00325**	**-.00001**	**.00028**	**.03423**	**.00018**	**.00092**	**.00031**	**-.00045**	W **.00399**
Stddev	.00135	.02873	.00107	.00070	.00001	.00018	.00175	.00013	.00201	.00017	.00155	.00099
%RSD	632.23	63.250	63.323	21.666	204.25	63.718	5.1043	73.978	217.85	55.035	347.62	24.695
#1	.00116	.06573	.00094	.00375	-.00001	.00040	.03546	.00027	.00235	.00019	-.00154	.00469
#2	-.00074	.02511	.00246	.00275	.00000	.00015	.03299	.00009	-.00050	.00043	.00065	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00529**	**-.01133**	**.00102**	**.00014**	**.00388**	**-.00015**	**-.00067**	**-.03873**	**-.00048**	**.00207**	**.00067**
Stddev	.00058	.00537	.01150	.00056	.00002	.00124	.00011	.00183	.01106	.00010	.00003	.00161
%RSD	116.81	101.48	101.48	54.588	14.269	32.086	71.198	272.62	28.547	20.515	1.3336	239.40
#1	.00091	-.00150	-.00320	.00142	.00016	.00300	-.00008	-.00196	-.04655	-.00055	.00205	.00181
#2	.00009	-.00909	-.01946	.00063	.00013	.00476	-.00023	.00062	-.03092	-.00041	.00209	-.00047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8438.2**	**110360.**	**9393.0**
Stddev	48.5	29.	32.3
%RSD	.57459	.02598	.34340
#1	8472.5	110340.	9415.8
#2	8403.9	110380.	9370.2

Sample Name: X Acquired: 11/7/2013 15:42:08 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.11018**	**.01130**	**.10237**	**.00518**	**.00095**	W **.12445**	**.21268**	**.00529**	**.00561**	**.01071**	**.01129**
Stddev	.00080	.00043	.00154	.00016	.00035	.00002	.00155	.00057	.00009	.00011	.00007	.00060
%RSD	7.7980	.39203	13.614	.15842	6.6911	1.8310	1.2453	.26892	1.7724	1.9202	.62289	5.3125
#1	.01079	.10987	.01239	.10225	.00543	.00094	.12336	.21309	.00523	.00554	.01066	.01171
#2	.00967	.11048	.01021	.10248	.00494	.00096	.12555	.21228	.00536	.00569	.01076	.01087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000					
Range							20.490%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05078**	**1.1160**	**.01143**	**.21110**	W **.00374**	**.01019**	**1.0627**	**.01116**	**.98718**	**.00335**	**.10110**	**.01060**
Stddev	.00127	.0143	.00036	.00242	.00002	.00033	.0055	.00043	.00536	.00006	.00112	.00161
%RSD	2.4973	1.2804	3.1479	1.1484	.62714	3.2352	.52089	3.8637	.54274	1.7380	1.1090	15.172
#1	.05168	1.1059	.01118	.20939	.00375	.01042	1.0667	.01146	.98339	.00339	.10031	.01174
#2	.04989	1.1261	.01169	.21282	.00372	.00996	1.0588	.01085	.99097	.00331	.10189	.00947
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.03000				.00300							
Range	50.000%				20.490%							

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00978**	**.47640**	**1.0195**	**.02082**	**.00541**	**.01035**	**.01030**	**.01136**	**.07092**	**.00988**	W **.01343**	**.01044**
Stddev	.00143	.02092	.0448	.00005	.00007	.00038	.00003	.00051	.00070	.00025	.00031	.00017
%RSD	14.608	4.3912	4.3912	.25688	1.3790	3.6737	.30670	4.4959	.99266	2.5631	2.3204	1.6505
#1	.01079	.49120	1.0512	.02079	.00547	.01008	.01033	.01100	.07142	.00970	.01365	.01032
#2	.00877	.46161	.98785	.02086	.00536	.01062	.01028	.01172	.07043	.01005	.01321	.01056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value											.01000	
Range											20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8704.0**	**112600.**	**9473.6**
Stddev	4.1	753.	74.2
%RSD	.04679	.66918	.78317
#1	8701.1	112060.	9421.1
#2	8706.9	113130.	9526.0

Sample Name: CRI-2363706 Acquired: 11/7/2013 15:53:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.10594**	**.01167**	**.09842**	**.00502**	**.00098**	**.12032**	**.20547**	**.00499**	**.00527**	**.01010**	**.00990**
Stddev	.00026	.00026	.00050	.00000	.00001	.00004	.00043	.00574	.00021	.00016	.00022	.00041
%RSD	2.6924	.24154	4.3049	.00347	.28133	3.9225	.35955	2.7939	4.1324	3.0370	2.1907	4.1181
#1	.00944	.10612	.01203	.09843	.00503	.00101	.12002	.20141	.00484	.00515	.00994	.01019
#2	.00981	.10576	.01131	.09842	.00501	.00095	.12063	.20953	.00513	.00538	.01025	.00961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02679**	**1.0140**	**.00934**	**.20255**	**.00303**	**.01002**	**1.0350**	**.01026**	**.95444**	W **.00446**	**.09733**	W **.01258**
Stddev	.00066	.0075	.00112	.00178	.00006	.00009	.0033	.00019	.00181	.00023	.00144	.00105
%RSD	2.4523	.73509	11.997	.87737	2.0296	.92021	.32317	1.8242	.18996	5.0981	1.4826	8.3617
#1	.02725	1.0087	.01013	.20381	.00299	.01009	1.0326	.01013	.95315	.00462	.09835	.01184
#2	.02632	1.0192	.00854	.20130	.00307	.00996	1.0373	.01039	.95572	.00430	.09631	.01333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
Value										.00300		.01000
Range										20.490%		20.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01359**	**.48427**	**1.0363**	**.02075**	**.00500**	W **.00715**	**.00967**	**.01059**	F **.00521**	**.00917**	**.01177**	**.01002**
Stddev	.00115	.01076	.0230	.00050	.00009	.00088	.00040	.00006	.00731	.00007	.00019	.00204
%RSD	8.4295	2.2213	2.2213	2.4058	1.7465	12.310	4.1637	.60244	140.35	.71327	1.6153	20.402
#1	.01440	.47666	1.0201	.02040	.00507	.00777	.00996	.01064	.00004	.00913	.01163	.01147
#2	.01278	.49188	1.0526	.02110	.00494	.00653	.00939	.01055	.01038	.00922	.01190	.00857
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01000					.01000			.06000			
Range	20.490%					-20.490%			-50.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8358.0**	**108710.**	**9042.9**
Stddev	23.4	599.	49.6
%RSD	.27996	.55073	.54842
#1	8374.5	109140.	9077.9
#2	8341.4	108290.	9007.8

Sample Name: CRI-2364899 Acquired: 11/7/2013 16:07:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00030**	**-.00075**	**.00039**	**.00003**	**-.00004**	**.00325**	**.00045**	**-.00002**	**-.00007**
Stddev	.00062	.00004	.00049	.00009	.00019	.00001	.00247	.00212	.00001	.00023
%RSD	133.97	12.380	65.991	24.129	625.83	32.093	75.825	473.31	36.667	322.22
#1	-.00002	.00033	-.00040	.00046	-.00011	-.00005	.00500	.00195	-.00002	-.00023
#2	-.00090	.00027	-.00110	.00032	.00017	-.00003	.00151	-.00105	-.00003	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00020**	**-.00150**	**.00426**	**-.00027**	**.00010**	**-.00002**	**.00025**	**.01970**	**.00035**
Stddev	.00019	.00033	.00233	.02536	.00044	.00021	.00001	.00018	.01407	.00022
%RSD	117.61	161.88	155.30	595.25	159.84	201.48	30.092	73.972	71.427	63.192
#1	.00030	.00003	.00015	-.01367	.00004	.00025	-.00003	.00012	.00975	.00050
#2	.00003	-.00044	-.00314	.02219	-.00059	-.00004	-.00002	.00037	.02964	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01050**	**-.00220**	**.01839**	**.01540**	**-.01468**	**-.03141**	**.00046**	**-.00002**	**.00095**
Stddev	.00152	.00080	.00077	.00295	.00144	.01393	.02981	.00003	.00003	.00102
%RSD	543.36	7.5701	35.246	16.036	9.3695	94.893	94.893	5.5170	196.13	108.04
#1	-.00079	.01107	-.00165	.01630	.01438	-.00483	-.01033	.00048	.00001	.00167
#2	.00135	.00994	-.00274	.02047	.01642	-.02453	-.05249	.00045	-.00004	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00013**	**-.01930**	**-.00026**	**.00339**	**.00170**
Stddev	.00008	.00084	.04236	.00032	.00017	.00040
%RSD	53.663	655.91	219.51	126.51	4.9185	23.701
#1	-.00009	-.00072	-.04925	-.00049	.00350	.00142
#2	-.00020	.00047	.01066	-.00003	.00327	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8270.5**	**107380.**	**9026.1**
Stddev	15.7	28.	12.6
%RSD	.19031	.02584	.13960
#1	8259.4	107400.	9017.2
#2	8281.6	107360.	9035.0

Sample Name: ICSA-2295334 Acquired: 11/7/2013 16:11:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	R **503.94**	**-.00200**	**-.00099**	**.00022**	**-.00004**	W **-.03034**	**465.28**	**-.00033**	**-.00044**	**.00152**
Stddev	.00039	.17	.00161	.00059	.00014	.00002	.00201	10.91	.00017	.00009	.00003
%RSD	35.933	.03402	80.591	59.527	64.156	49.804	6.6224	2.3458	52.685	20.073	2.2065
#1	-.00081	504.06	-.00086	-.00141	.00032	-.00002	-.02892	473.00	-.00045	-.00050	.00154
#2	-.00135	503.82	-.00315	-.00058	.00012	-.00005	-.03176	457.57	-.00021	-.00038	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.01200				
Low Limit							-.01200				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00234**	**187.01**	**-.00102**	W **.01265**	**491.85**	W **.00055**	**-.00008**	**.07352**	**-.00134**	**-.00487**	**.00218**
Stddev	.00019	.77	.04601	.00399	3.10	.00013	.00048	.00464	.00015	.00002	.00141
%RSD	7.9227	.41077	4500.9	31.579	.63043	23.227	577.10	6.3089	11.305	.38526	64.591
#1	.00248	187.56	-.03355	.01547	494.04	.00046	-.00042	.07680	-.00123	-.00486	.00119
#2	.00221	186.47	.03151	.00982	489.66	.00064	.00026	.07024	-.00144	-.00489	.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07564**	W **.00691**	**-.00153**	**-.01298**	**-.02777**	**.00061**	W **.01517**	W **.01111**	**-.00068**	**-.00294**	**-.03782**
Stddev	.00394	.00465	.00451	.00282	.00603	.00039	.00006	.00018	.00012	.00073	.00392
%RSD	5.2058	67.278	294.08	21.727	21.727	63.888	.37801	1.6257	17.613	24.739	10.375
#1	-.07285	.00362	.00166	-.01098	-.02350	.00088	.01521	.01123	-.00060	-.00243	-.04059
#2	-.07842	.01020	-.00473	-.01497	-.03203	.00033	.01513	.01098	-.00077	-.00346	-.03504
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628					.00050	.00800			
Low Limit		-.00628					-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00095**	**-.00347**	**.00050**
Stddev	.00069	.00018	.00073
%RSD	71.838	5.2506	145.33
#1	.00144	-.00334	.00102
#2	.00047	-.00360	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7653.7**	**94437.**	**9072.8**
Stddev	5.1	66.	13.6
%RSD	.06703	.07039	.14942
#1	7657.3	94484.	9082.4
#2	7650.1	94390.	9063.2

Sample Name: ICSAB-2363707 Acquired: 11/7/2013 16:14:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1045**	R **501.76**	**2.0305**	**1.9000**	**.50613**	**.48418**	**.99145**	**455.51**	**1.0276**	**.46813**	**.48148**	**.54146**	**185.16**
Stddev	.0047	3.07	.0113	.0095	.00113	.00271	.00291	15.80	.0042	.00169	.00192	.00136	.65
%RSD	.42716	.61174	.55713	.50130	.22340	.56018	.29326	3.4676	.40818	.36164	.39883	.25138	.34916
#1	1.1079	499.59	2.0225	1.8932	.50533	.48227	.98939	444.34	1.0246	.46693	.48013	.54242	184.70
#2	1.1012	503.93	2.0385	1.9067	.50693	.48610	.99351	466.68	1.0305	.46932	.48284	.54049	185.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.121**	**1.0528**	**490.56**	**.50295**	**.94202**	**52.005**	**.91756**	**1.9451**	**.92665**	**.90187**	**1.0037**	**4.8671**	**9.7786**
Stddev	.160	.0051	2.32	.00196	.00342	.118	.00459	.0109	.00371	.00033	.0018	.0204	.0427
%RSD	.30208	.48286	.47384	.38967	.36264	.22621	.50011	.55969	.40081	.03626	.17908	.41923	.43711
#1	53.007	1.0492	492.20	.50433	.93961	52.088	.91431	1.9374	.92403	.90164	1.0025	4.8527	9.7484
#2	53.234	1.0564	488.91	.50156	.94444	51.922	.92080	1.9528	.92928	.90210	1.0050	4.8815	9.8088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.926**	**8.9102**	**1.0129**	**2.0204**	**1.0011**	**8.5147**	**-.00397**	**.50684**	**.97118**	**1.0012**
Stddev	.091	.0340	.0037	.0176	.0044	.0256	.07987	.00055	.00476	.0107
%RSD	.43711	.38128	.36627	.87348	.44227	.30007	2012.7	.10852	.48967	1.0637
#1	20.861	8.8862	1.0103	2.0329	1.0042	8.4966	.05251	.50722	.97455	.99371
#2	20.991	8.9342	1.0155	2.0079	.99796	8.5327	-.06044	.50645	.96782	1.0088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7652.2**	**93770.**	**9102.3**
Stddev	9.5	325.	42.6
%RSD	.12394	.34661	.46775
#1	7658.9	93540.	9132.4
#2	7645.5	93999.	9072.2

Sample Name: LRA-2305343 Acquired: 11/7/2013 16:17:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.3092**	**-.02032**	**10.198**	**9.8012**	**12.179**	**-.00550**	**-.10174**	**.01828**	**2.1270**	**5.1137**	**10.190**	**10.595**	R **506.22**
Stddev	.0012	.00229	.028	.0325	.105	.00011	.00286	.00447	.0078	.0136	.038	.010	.35
%RSD	.09146	11.269	.27528	.33108	.86363	2.0530	2.8071	24.443	.36572	.26643	.37438	.09022	.06868
#1	1.3084	-.01870	10.218	9.8242	12.254	-.00542	-.10376	.02144	2.1325	5.1233	10.217	10.588	505.97
#2	1.3101	-.02193	10.178	9.7783	12.105	-.00558	-.09972	.01512	2.1215	5.1040	10.164	10.602	506.46
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.16135**	**.00121**	**.00599**	**9.9572**	**4.9776**	**.02276**	**10.250**	**.00878**	**10.611**	**-.08314**	**-.10380**	**5.0464**	**48.676**
Stddev	.02339	.00130	.00483	.2089	.0223	.00596	.033	.00171	.033	.00095	.00497	.0165	.097
%RSD	14.496	107.78	80.655	2.0982	.44764	26.195	.32093	19.513	.30994	1.1462	4.7884	.32637	.19902
#1	-.14481	.00029	.00257	9.8095	4.9934	.01855	10.273	.00757	10.635	-.08382	-.10731	5.0580	48.608
#2	-.17789	.00213	.00940	10.105	4.9619	.02698	10.227	.00999	10.588	-.08247	-.10028	5.0347	48.745
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**104.17**	**.01419**	**10.200**	**.02327**	**10.086**	**5.1274**	**-.04948**	**10.042**	**9.7367**	**-.00475**
Stddev	.21	.00037	.207	.00108	.002	.0171	.01304	.012	.0282	.00079
%RSD	.19902	2.5926	2.0330	4.6266	.01796	.33334	26.358	.12276	.28958	16.708
#1	104.02	.01393	10.053	.02251	10.085	5.1394	-.04026	10.033	9.7168	-.00419
#2	104.31	.01445	10.346	.02403	10.088	5.1153	-.05870	10.051	9.7567	-.00531
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8250.3**	**107560.**	**9332.2**
Stddev	16.9	420.	13.3
%RSD	.20530	.39071	.14226
#1	8238.3	107860.	9341.5
#2	8262.3	107260.	9322.8

Sample Name: CCVH-2357613 Acquired: 11/7/2013 16:20:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**49.088**	**.00274**	**.02294**	**.00082**	**-.00013**	**.96033**	**-.00040**	**-.00046**	**-.00040**	**.00029**	**.01179**	**48.299**
Stddev	.00028	.000	.00083	.00185	.00003	.00005	.00033	.00083	.00010	.00030	.00013	.00032	.101
%RSD	5.6009	.00073	30.250	8.0616	3.7298	36.713	.03399	204.47	22.105	74.399	43.473	2.7323	.20856
#1	.00514	49.088	.00215	.02425	.00080	-.00009	.96010	-.00099	-.00053	-.00019	.00020	.01202	48.228
#2	.00475	49.088	.00332	.02163	.00084	-.00016	.96056	.00018	-.00039	-.00061	.00038	.01157	48.370
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06077**	**.00244**	**.08972**	**.00072**	**.00112**	**245.40**	**-.00015**	**.00100**	**.00226**	**4.8239**	**.00267**	**-.00075**	**.01132**
Stddev	.04797	.00159	.00175	.00004	.00026	.65	.00015	.00231	.00012	.0064	.00125	.00356	.01395
%RSD	78.943	65.172	1.9450	4.9836	23.318	.26506	99.070	231.81	5.4719	.13350	46.698	476.36	123.20
#1	.02685	.00357	.08849	.00074	.00130	245.86	-.00004	-.00064	.00217	4.8193	.00179	.00177	.00146
#2	.09469	.00132	.09096	.00069	.00094	244.94	-.00025	.00263	.00235	4.8284	.00355	-.00327	.02118
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02422**	**.00031**	**.00077**	**4.7729**	**-.00731**	**.00152**	**10.221**	**.00193**	**.00136**	**.04424**
Stddev	.02985	.00103	.00000	.0144	.00007	.00179	.033	.00036	.00047	.00132
%RSD	123.20	334.28	.08620	.30156	.98325	117.36	.31867	18.687	34.773	2.9909
#1	.00312	-.00042	.00077	4.7627	-.00726	.00026	10.244	.00219	.00170	.04331
#2	.04533	.00104	.00077	4.7831	-.00736	.00279	10.198	.00168	.00103	.04518
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8197.8**	**103010.**	**9111.5**
Stddev	14.5	182.	32.6
%RSD	.17663	.17623	.35831
#1	8187.6	103140.	9134.6
#2	8208.0	102890.	9088.4

Sample Name: CCV-2357614 Acquired: 11/7/2013 16:22:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48371**	**.50461**	**.95787**	**.49183**	**.49219**	**.48333**	**-.00011**	**4.8639**	**.48680**	**.49382**	**.48302**	**.49134**	**2.4090**
Stddev	.00040	.00019	.00280	.00017	.00002	.00028	.00038	.0022	.00005	.00046	.00014	.00048	.0165
%RSD	.08204	.03746	.29208	.03377	.00488	.05827	349.98	.04539	.01052	.09338	.02926	.09719	.68335
#1	.48343	.50448	.95985	.49194	.49221	.48353	.00016	4.8623	.48676	.49415	.48312	.49168	2.4206
#2	.48400	.50475	.95589	.49171	.49218	.48313	-.00037	4.8655	.48683	.49349	.48292	.49101	2.3973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.598**	**.96671**	**18.992**	**.48709**	**.48446**	**5.0238**	**.49011**	**.94821**	**.99123**	**-.00186**	**.99541**	**.96259**	**4.7964**
Stddev	.039	.00358	.072	.00160	.00223	.0101	.00128	.00348	.00269	.00267	.00006	.00155	.0100
%RSD	.08081	.37016	.38015	.32922	.46109	.20107	.26128	.36674	.27107	143.41	.00620	.16081	.20921
#1	48.570	.96418	18.941	.48596	.48604	5.0309	.49102	.95067	.99313	-.00375	.99537	.96150	4.8035
#2	48.626	.96924	19.043	.48823	.48288	5.0167	.48921	.94575	.98933	.00003	.99545	.96369	4.7893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.264**	**.96671**	**.48810**	**-.00201**	**.49254**	**1.0082**	**-.03388**	**.48515**	**.47883**	**.49038**
Stddev	.021	.00176	.00020	.00021	.00202	.0013	.00213	.00017	.00424	.00121
%RSD	.20921	.18235	.04139	10.613	.41098	.13011	6.2848	.03473	.88540	.24651
#1	10.279	.96546	.48824	-.00186	.49111	1.0073	-.03238	.48527	.47583	.49123
#2	10.249	.96795	.48796	-.00216	.49397	1.0092	-.03539	.48503	.48183	.48952
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8331.5**	**106850.**	**9204.8**
Stddev	9.1	1096.	70.1
%RSD	.10939	1.0260	.76123
#1	8325.1	107620.	9254.3
#2	8337.9	106070.	9155.3

Sample Name: CCB Acquired: 11/7/2013 16:24:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00143**	**.00292**	F **.00844**	**.00039**	**.00010**	**.00139**	**.00211**	**-.00016**	**.00004**	**-.00001**	**-.00026**
Stddev	.00040	.00017	.00022	.00074	.00019	.00001	.00157	.00042	.00010	.00005	.00000	.00046
%RSD	99.942	12.114	7.5933	8.8238	49.667	11.341	113.09	20.136	62.387	122.04	74.675	176.74
#1	-.00012	.00130	.00308	.00897	.00025	.00011	.00028	.00241	-.00009	.00001	.00000	-.00059
#2	-.00069	.00155	.00277	.00791	.00052	.00009	.00249	.00181	-.00022	.00008	-.00001	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**.02949**	W **.00294**	**.00255**	**.00016**	**.00048**	**.02890**	**.00035**	**-.00038**	**.00124**	**-.00117**	**.00067**
Stddev	.00169	.05948	.00026	.00286	.00004	.00001	.01518	.00026	.00043	.00096	.00331	.00276
%RSD	61.476	201.69	8.7501	112.15	26.345	2.5912	52.526	75.141	115.37	77.268	281.98	412.45
#1	.00394	.07155	.00313	.00053	.00018	.00047	.03964	.00016	-.00068	.00191	.00117	.00262
#2	.00155	-.01257	.00276	.00458	.00013	.00048	.01817	.00054	-.00007	.00056	-.00351	-.00128
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261									
Low Limit			-.00261									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**-.02076**	**-.04443**	**.00009**	**.00018**	**.00161**	**.00005**	**.00072**	**-.02172**	**.00025**	**.00242**	**.00009**
Stddev	.00064	.00976	.02088	.00048	.00007	.00152	.00065	.00095	.01296	.00050	.00005	.00036
%RSD	31.699	46.990	46.990	561.42	39.566	94.726	1319.5	132.08	59.660	200.40	2.0068	409.78
#1	.00248	-.02766	-.05920	.00043	.00023	.00268	.00051	.00139	-.01256	-.00010	.00246	.00034
#2	.00157	-.01386	-.02967	-.00025	.00013	.00053	-.00041	.00005	-.03088	.00061	.00239	-.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8366.4**	**109280.**	**9076.3**
Stddev	21.8	396.	9.4
%RSD	.26018	.36235	.10307
#1	8351.0	109560.	9069.7
#2	8381.8	109000.	9082.9

Sample Name: CCVL2363703 Acquired: 11/7/2013 16:27:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01056**	**.11265**	**.01753**	**.10755**	**.01038**	**.00099**	**.12573**	**.21117**	**.00522**	**.01099**	**.01054**	**.01530**	**.10408**
Stddev	.00065	.00004	.00131	.00007	.00031	.00002	.00164	.00019	.00003	.00009	.00012	.00028	.00100
%RSD	6.1324	.03518	7.4979	.06757	2.9855	2.0488	1.3068	.08829	.63223	.86444	1.1554	1.8344	.96450
#1	.01010	.11262	.01846	.10760	.01060	.00100	.12689	.21104	.00520	.01092	.01063	.01510	.10479
#2	.01102	.11267	.01660	.10750	.01016	.00097	.12457	.21130	.00525	.01106	.01045	.01550	.10337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1506**	**.01019**	**.21732**	**.01052**	**.01960**	**1.0988**	**.04260**	**2.9824**	**.01070**	**-.00019**	**.01124**	**.01462**	**.48960**
Stddev	.0002	.00205	.00141	.00000	.00001	.0235	.00026	.0041	.00038	.00224	.00279	.00053	.00346
%RSD	.00730	20.150	.64973	.02832	.02914	2.1373	.60284	.13719	3.5275	1193.4	24.812	3.6074	.70672
#1	3.1505	.00874	.21632	.01052	.01961	1.0822	.04242	2.9852	.01043	-.00177	.00927	.01424	.48715
#2	3.1508	.01164	.21832	.01053	.01960	1.1155	.04279	2.9795	.01096	.00139	.01321	.01499	.49204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0477**	**.10382**	**.01039**	**.01534**	**.00983**	**.01692**	**.07327**	**.01039**	**.02286**	**.01641**
Stddev	.0074	.00029	.00006	.00117	.00033	.00016	.05106	.00006	.00034	.00259
%RSD	.70672	.27686	.59843	7.6149	3.3941	.94812	69.696	.54993	1.4785	15.764
#1	1.0425	.10402	.01035	.01617	.01006	.01703	.10938	.01035	.02262	.01458
#2	1.0530	.10362	.01044	.01451	.00959	.01680	.03716	.01043	.02310	.01824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8564.9**	**110490.**	**9263.7**
Stddev	19.8	500.	13.2
%RSD	.23158	.45276	.14266
#1	8578.9	110840.	9273.1
#2	8550.8	110130.	9254.4

Sample Name: mb 280-198588/1-a Acquired: 11/7/2013 16:29:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00524**	**.00183**	**.00466**	**.00013**	**-.00011**	**.00292**	**.01055**	**-.00022**	**-.00008**
Stddev	.00075	.00002	.00041	.00070	.00043	.00007	.00121	.00207	.00003	.00009
%RSD	321.46	.30895	22.450	15.026	324.37	60.823	41.491	19.599	14.306	116.65
#1	.00077	.00523	.00154	.00515	-.00017	-.00016	.00377	.01201	-.00020	-.00015
#2	-.00030	.00525	.00212	.00416	.00044	-.00006	.00206	.00909	-.00024	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00008**	**.01233**	**.02575**	**.00427**	**.00182**	**.00026**	**-.00007**	**.15251**	**.00019**
Stddev	.00003	.00016	.00069	.00509	.00230	.00427	.00004	.00020	.02095	.00014
%RSD	18.030	187.92	5.5615	19.752	53.797	234.50	13.498	304.57	13.738	72.320
#1	.00021	.00003	.01281	.02216	.00265	-.00120	.00023	-.00021	.16733	.00029
#2	.00016	-.00020	.01184	.02935	.00589	.00484	.00028	.00008	.13770	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00042**	**.00283**	**.00125**	**.00167**	**-.01457**	**-.03117**	**.00038**	**.00008**	**.00280**
Stddev	.00184	.00083	.00278	.00052	.00115	.00847	.01814	.00055	.00013	.00096
%RSD	181.01	197.12	98.166	41.906	69.193	58.176	58.176	144.71	154.46	34.162
#1	-.00028	-.00017	.00479	.00088	.00249	-.02056	-.04400	-.00001	-.00001	.00348
#2	.00232	.00101	.00087	.00162	.00085	-.00858	-.01835	.00077	.00017	.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00133**	**-.02673**	**-.00009**	**.00315**	**-.00142**
Stddev	.00023	.00076	.00277	.00006	.00030	.00173
%RSD	93.482	57.247	10.359	63.334	9.5331	121.86
#1	.00008	-.00187	-.02477	-.00013	.00294	-.00020
#2	.00041	-.00079	-.02869	-.00005	.00336	-.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8468.2**	**109960.**	**9214.7**
Stddev	20.3	1157.	32.0
%RSD	.23977	1.0518	.34701
#1	8453.8	109150.	9237.3
#2	8482.5	110780.	9192.1

Sample Name: lcs 280-198588/2-a Acquired: 11/7/2013 16:31:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04977**	**2.0128**	**1.0084**	**1.0273**	**2.0702**	**.05010**	**2.1465**	**49.858**	**.10782**	**.50443**
Stddev	.00076	.0004	.0001	.0004	.0008	.00003	.0029	.023	.00001	.00011
%RSD	1.5283	.01838	.01174	.04414	.03955	.06430	.13663	.04558	.01057	.02231
#1	.05031	2.0126	1.0083	1.0270	2.0708	.05012	2.1486	49.842	.10782	.50451
#2	.04924	2.0131	1.0085	1.0276	2.0696	.05007	2.1444	49.874	.10783	.50435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20233**	**.26003**	**.99283**	**51.361**	**1.0113**	**50.127**	**.50644**	**1.0045**	**51.465**	**.49887**
Stddev	.00007	.00088	.00099	.038	.0028	.203	.00065	.0010	.224	.00027
%RSD	.03641	.33996	.09972	.07358	.28132	.40425	.12830	.09919	.43470	.05413
#1	.20228	.26066	.99213	51.387	1.0133	50.271	.50690	1.0052	51.624	.49907
#2	.20238	.25941	.99353	51.334	1.0093	49.984	.50598	1.0038	51.307	.49868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.191**	**.50883**	**-.00673**	**.50734**	**2.0233**	**10.034**	**21.472**	**1.9989**	**1.0224**	**1.0059**
Stddev	.011	.00181	.00076	.00465	.0139	.033	.070	.0026	.0005	.0018
%RSD	.10439	.35644	11.225	.91556	.68883	.32520	.32520	.13171	.04745	.17422
#1	10.198	.51012	-.00726	.50406	2.0135	10.011	21.423	1.9971	1.0227	1.0046
#2	10.183	.50755	-.00619	.51063	2.0332	10.057	21.521	2.0008	1.0220	1.0071
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0342**	**2.0176**	**2.1417**	**.51246**	**.50077**	**.52283**
Stddev	.0016	.0035	.0799	.00113	.00011	.00374
%RSD	.15095	.17468	3.7321	.22009	.02229	.71629
#1	1.0353	2.0151	2.1982	.51166	.50069	.52018
#2	1.0331	2.0201	2.0851	.51326	.50084	.52547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.1**	**103320.**	**9167.9**
Stddev	28.5	79.	24.5
%RSD	.35039	.07612	.26695
#1	8118.9	103260.	9185.2
#2	8159.2	103370.	9150.6

Sample Name: 280-48566-c-2-a Acquired: 11/7/2013 16:34:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.33157**	**.00345**	**.01566**	**.02094**	**.00006**	**.00061**	**1.7835**	**-.00017**	**.00027**
Stddev	.00071	.00380	.00066	.00056	.00048	.00001	.00223	.0084	.00014	.00005
%RSD	182.79	1.1450	19.139	3.5873	2.3141	14.719	365.50	.47363	82.934	16.588
#1	-.00089	.32888	.00392	.01527	.02128	.00005	.00219	1.7895	-.00027	.00031
#2	.00011	.33425	.00299	.01606	.02059	.00007	-.00097	1.7775	-.00007	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00190**	**1.0517**	**.82699**	**.00118**	**.92872**	**.03584**	**.00064**	**3.5387**	**.00603**
Stddev	.00005	.00014	.0027	.05626	.00046	.00082	.00008	.00005	.0159	.00010
%RSD	7.7226	7.2396	.25609	6.8033	39.258	.08806	.21523	7.4827	.45029	1.5972
#1	.00062	.00180	1.0536	.78720	.00085	.92930	.03589	.00061	3.5275	.00597
#2	.00055	.00200	1.0498	.86677	.00151	.92815	.03578	.00067	3.5500	.00610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01474**	**.00094**	**.58327**	**.00238**	**.00098**	**3.7948**	**8.1209**	**.00096**	**.01236**	**.00627**
Stddev	.00043	.00096	.00178	.00048	.00120	.0190	.0406	.00019	.00004	.00112
%RSD	2.8943	101.97	.30461	20.006	122.89	.50037	.50037	19.488	.31084	17.910
#1	.01444	.00026	.58202	.00271	.00183	3.7814	8.0921	.00082	.01233	.00706
#2	.01504	.00162	.58453	.00204	.00013	3.8082	8.1496	.00109	.01238	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00593**	**-.00008**	W **-.05511**	**.00044**	**.01286**	**.00036**
Stddev	.00005	.00021	.01855	.00046	.00023	.00044
%RSD	.84013	253.81	33.656	104.18	1.7640	122.31
#1	.00589	.00006	-.06822	.00077	.01270	.00066
#2	.00596	-.00023	-.04199	.00012	.01302	.00005
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8522.6**	**109580.**	**9252.7**
Stddev	31.1	344.	13.5
%RSD	.36527	.31389	.14583
#1	8544.6	109340.	9262.2
#2	8500.6	109830.	9243.1

Sample Name: 280-48566-c-2-aSD@5 Acquired: 11/7/2013 16:36:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.08064**	**.00247**	**.00533**	**.00445**	**-.00008**	**.00242**	**.36312**	**.00008**	**.00011**
Stddev	.00094	.00104	.00030	.00011	.00002	.00003	.00200	.00028	.00001	.00005
%RSD	598.28	1.2951	12.258	2.0961	.48005	34.422	82.555	.07632	15.458	48.642
#1	.00082	.08138	.00269	.00540	.00446	-.00010	.00384	.36293	.00008	.00007
#2	-.00050	.07990	.00226	.00525	.00443	-.00006	.00101	.36332	.00007	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00018**	**.22435**	**.18384**	**.00450**	**.18909**	**.00732**	**.00005**	**.71776**	**.00133**
Stddev	.00013	.00022	.00118	.01912	.00061	.00322	.00001	.00011	.01540	.00021
%RSD	55.943	121.46	.52555	10.403	13.620	1.7018	.15698	206.69	2.1459	15.991
#1	.00032	.00034	.22351	.17031	.00406	.18681	.00732	-.00002	.72865	.00118
#2	.00014	.00003	.22518	.19736	.00493	.19136	.00733	.00013	.70686	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00347**	**.00027**	**.11798**	**.00031**	**.00200**	**.77044**	**1.6487**	**.00253**	**.00247**	**.00274**
Stddev	.00061	.00038	.00051	.00081	.00051	.01478	.0316	.00029	.00008	.00130
%RSD	17.525	141.39	.43061	261.41	25.654	1.9180	1.9180	11.287	3.3279	47.603
#1	.00390	.00054	.11834	-.00026	.00237	.78089	1.6711	.00273	.00253	.00366
#2	.00304	.00000	.11762	.00088	.00164	.75999	1.6264	.00233	.00242	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**-.00052**	**-.04097**	**.00032**	**.00849**	**.00215**
Stddev	.00043	.00046	.01919	.00001	.00014	.00099
%RSD	34.964	88.156	46.845	2.0560	1.6462	46.169
#1	.00093	-.00084	-.05454	.00032	.00859	.00145
#2	.00154	-.00019	-.02740	.00031	.00839	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8520.0**	**110180.**	**9217.1**
Stddev	20.0	5.	31.1
%RSD	.23476	.00465	.33782
#1	8505.8	110180.	9195.1
#2	8534.1	110180.	9239.1

Sample Name: 280-48566-c-2-b ms Acquired: 11/7/2013 16:38:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05048**	**2.3858**	W **2.5686**	**1.0281**	**1.0618**	**2.1144**	**.05074**	F **2.1707**	**52.184**	**.10885**
Stddev	.00017	.0120	.0014	.0033	.0027	.0048	.00008	.0037	.114	.00050
%RSD	.34176	.50105	.05459	.32057	.25536	.22561	.15202	.17275	.21903	.46028
#1	.05036	2.3774	2.5676	1.0258	1.0598	2.1111	.05068	2.1680	52.103	.10850
#2	.05060	2.3943	2.5696	1.0304	1.0637	2.1178	.05079	2.1733	52.265	.10921
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51099**	**.20502**	**.26581**	**2.0075**	**52.893**	**1.0274**	**51.390**	**.54494**	**1.0284**	**55.705**
Stddev	.00253	.00051	.00103	.0018	.072	.0008	.069	.00006	.0037	.187
%RSD	.49513	.24844	.38875	.09044	.13681	.08132	.13435	.01100	.35476	.33604
#1	.50920	.20466	.26654	2.0062	52.944	1.0268	51.342	.54498	1.0258	55.572
#2	.51278	.20538	.26508	2.0088	52.842	1.0279	51.439	.54489	1.0310	55.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50572**	W **10.296**	**.51273**	**.57910**	**.52119**	**2.0436**	**14.203**	**30.394**	W **2.0417**	**1.0473**
Stddev	.00286	.014	.00258	.00362	.00172	.0064	.072	.153	.0103	.0017
%RSD	.56608	.13499	.50374	.62507	.33064	.31284	.50492	.50492	.50186	.16100
#1	.50370	10.286	.51090	.57654	.51998	2.0481	14.152	30.285	2.0345	1.0461
#2	.50775	10.305	.51456	.58166	.52241	2.0391	14.253	30.502	2.0489	1.0485
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0199**	**1.0633**	**2.0329**	**2.1901**	**.51798**	**.50934**	**.53619**
Stddev	.0002	.0004	.0056	.0282	.00006	.00145	.00353
%RSD	.02198	.03678	.27644	1.2867	.01182	.28551	.65753
#1	1.0197	1.0636	2.0289	2.1702	.51793	.51037	.53370
#2	1.0200	1.0630	2.0369	2.2100	.51802	.50832	.53868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8148.9**	**104070.**	**9163.0**
Stddev	7.8	437.	.7
%RSD	.09520	.41981	.00790
#1	8154.4	104380.	9163.5
#2	8143.4	103760.	9162.5

Sample Name: 280-48566-c-2-c msd Acquired: 11/7/2013 16:40:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05049**	**2.4162**	W **2.6097**	**1.0234**	**1.0571**	**2.1363**	**.05121**	F **2.1696**	**52.603**	**.10892**
Stddev	.00052	.0049	.0092	.0038	.0040	.0080	.00016	.0071	.076	.00013
%RSD	1.0254	.20351	.35125	.36752	.38010	.37415	.30429	.32795	.14383	.11976
#1	.05085	2.4128	2.6161	1.0261	1.0542	2.1420	.05132	2.1645	52.657	.10883
#2	.05012	2.4197	2.6032	1.0208	1.0599	2.1307	.05110	2.1746	52.550	.10901
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51236**	**.20468**	**.26616**	**2.0505**	**53.263**	**1.0342**	**51.479**	**.54660**	**1.0190**	**56.039**
Stddev	.00088	.00068	.00002	.0055	.195	.0065	.095	.00012	.0016	.762
%RSD	.17080	.33341	.00877	.27019	.36517	.62598	.18383	.02272	.15959	1.3595
#1	.51174	.20419	.26617	2.0544	53.400	1.0388	51.546	.54669	1.0179	56.578
#2	.51298	.20516	.26614	2.0466	53.125	1.0296	51.412	.54651	1.0202	55.501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50534**	W **10.294**	**.51255**	**.59621**	**.52002**	**2.0369**	**14.266**	**30.529**	W **2.0207**	**1.0573**
Stddev	.00059	.012	.00202	.00084	.00101	.0063	.048	.104	.0077	.0026
%RSD	.11693	.11736	.39328	.14170	.19414	.30852	.33904	.33904	.38074	.24284
#1	.50576	10.285	.51113	.59680	.52074	2.0325	14.300	30.602	2.0153	1.0592
#2	.50493	10.302	.51398	.59561	.51931	2.0414	14.232	30.456	2.0261	1.0555
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0207**	**1.0584**	**2.0348**	**2.1749**	**.51914**	**.51020**	**.53135**
Stddev	.0024	.0006	.0046	.0070	.00111	.00133	.00234
%RSD	.23709	.06101	.22433	.32209	.21430	.26163	.44006
#1	1.0190	1.0580	2.0316	2.1699	.51992	.50925	.53300
#2	1.0224	1.0589	2.0381	2.1799	.51835	.51114	.52969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8162.6**	**103380.**	**9132.5**
Stddev	10.9	368.	31.7
%RSD	.13352	.35592	.34658
#1	8170.3	103120.	9154.9
#2	8154.9	103640.	9110.1

Sample Name: 280-48566-c-2-aPDS Acquired: 11/7/2013 16:42:52 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04318**	**1.3332**	**.19984**	**.11178**	**.12171**	**.04936**	**-.00022**	**21.417**	**.05108**	**.05054**
Stddev	.00034	.0015	.00072	.00070	.00032	.00003	.00039	.013	.00007	.00015
%RSD	.79285	.11463	.36146	.62474	.26667	.06117	178.08	.06222	.13915	.29312
#1	.04293	1.3343	.19933	.11129	.12148	.04934	-.00049	21.407	.05103	.05043
#2	.04342	1.3321	.20035	.11228	.12194	.04938	.00006	21.426	.05113	.05064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05027**	**.05407**	**1.9963**	**20.884**	**.10166**	**20.454**	**.08428**	**.04763**	**23.677**	**.05509**
Stddev	.00018	.00037	.0019	.052	.00220	.017	.00008	.00009	.282	.00001
%RSD	.34838	.67986	.09692	.25064	2.1614	.08107	.09883	.17980	1.1912	.01309
#1	.05015	.05381	1.9949	20.847	.10011	20.442	.08434	.04757	23.876	.05508
#2	.05040	.05433	1.9977	20.921	.10321	20.466	.08422	.04769	23.477	.05509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0003**	**.10166**	**.57998**	**.09881**	**.19460**	**8.4953**	**18.180**	**.09600**	**.06281**	**.20161**
Stddev	.0037	.00044	.00323	.00147	.00361	.1030	.220	.00007	.00040	.00188
%RSD	.18525	.43695	.55758	1.4892	1.8555	1.2125	1.2125	.06792	.63328	.92999
#1	1.9977	.10198	.58227	.09986	.19716	8.4225	18.024	.09605	.06253	.20029
#2	2.0029	.10135	.57770	.09777	.19205	8.5681	18.336	.09595	.06309	.20294
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05615**	**.20499**	**.52302**	**.05029**	**.20953**	**.05083**
Stddev	.00076	.00107	.00634	.00001	.00201	.00063
%RSD	1.3528	.52023	1.2120	.01833	.95763	1.2439
#1	.05561	.20424	.51854	.05029	.21095	.05127
#2	.05668	.20575	.52750	.05030	.20811	.05038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8409.6**	**107100.**	**9204.6**
Stddev	8.2	83.	5.0
%RSD	.09791	.07712	.05477
#1	8415.4	107040.	9208.2
#2	8403.8	107160.	9201.1

Sample Name: 280-48566-c-4-a Acquired: 11/7/2013 16:45:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.28908**	**.00093**	**.01315**	**.01986**	**.00005**	**-.00085**	**1.3279**	**.00016**	**.00052**
Stddev	.00052	.00034	.00020	.00046	.00012	.00004	.00333	.0036	.00010	.00012
%RSD	791.54	.11632	21.271	3.5212	.60450	73.384	391.32	.27282	59.159	22.237
#1	-.00030	.28884	.00107	.01348	.01995	.00008	.00150	1.3304	.00009	.00044
#2	.00043	.28932	.00079	.01282	.01978	.00003	-.00320	1.3253	.00023	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00186**	**1.2414**	**.71892**	**.00097**	**.88474**	**.03339**	**.00035**	**3.4229**	**.00111**
Stddev	.00004	.00014	.0049	.07042	.00299	.00260	.00006	.00007	.0384	.00011
%RSD	6.0690	7.6111	.39089	9.7958	307.35	.29392	.17972	19.704	1.1223	9.8116
#1	.00072	.00196	1.2448	.66912	-.00114	.88290	.03335	.00030	3.4501	.00118
#2	.00066	.00176	1.2379	.76872	.00308	.88658	.03343	.00040	3.3957	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01468**	**.00037**	**.54497**	**.00135**	**-.00169**	**3.4294**	**7.3388**	**.00045**	**.01024**	**.00539**
Stddev	.00145	.00039	.00306	.00028	.00158	.0098	.0210	.00057	.00005	.00164
%RSD	9.8727	105.57	.56203	20.390	93.164	.28570	.28570	125.83	.51259	30.360
#1	.01571	.00064	.54713	.00155	-.00281	3.4363	7.3536	.00005	.01027	.00655
#2	.01366	.00009	.54280	.00116	-.00058	3.4224	7.3240	.00086	.01020	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**-.00009**	**-.03680**	**.00034**	**.01875**	**-.00073**
Stddev	.00020	.00059	.01962	.00006	.00033	.00009
%RSD	6.6994	685.78	53.323	18.510	1.7565	12.009
#1	.00310	.00033	-.05067	.00030	.01899	-.00079
#2	.00282	-.00050	-.02292	.00039	.01852	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8533.5**	**109800.**	**9256.2**
Stddev	11.9	9.	15.2
%RSD	.13969	.00780	.16370
#1	8525.1	109800.	9245.4
#2	8541.9	109790.	9266.9

Sample Name: 280-48566-c-6-a Acquired: 11/7/2013 16:47:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.06544**	**.00022**	**.01691**	**.00801**	**-.00008**	**.00157**	**1.0804**	**-.00007**	**.00021**
Stddev	.00005	.00053	.00162	.00037	.00038	.00003	.00081	.0005	.00013	.00022
%RSD	15.990	.80431	745.10	2.1701	4.6873	37.116	51.372	.04234	196.88	103.74
#1	.00033	.06581	.00136	.01717	.00775	-.00006	.00100	1.0800	-.00016	.00006
#2	.00026	.06507	-.00093	.01665	.00828	-.00010	.00215	1.0807	.00003	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00007**	**.32279**	**2.6862**	**.00308**	**.56711**	**.01587**	**.00024**	**3.0816**	**.00008**
Stddev	.00004	.00008	.00209	.0141	.00142	.00007	.00002	.00010	.0112	.00009
%RSD	13.187	104.17	.64795	.52369	46.021	.01271	.11191	41.066	.36324	108.49
#1	.00029	-.00002	.32132	2.6961	.00408	.56706	.01586	.00031	3.0895	.00002
#2	.00035	-.00013	.32427	2.6763	.00207	.56716	.01588	.00017	3.0736	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03403**	**.00083**	**.88854**	**.00343**	**.00106**	**.07004**	**.14988**	**.00077**	**.00604**	**.00180**
Stddev	.00125	.00028	.00367	.00066	.00197	.01112	.02379	.00038	.00005	.00012
%RSD	3.6718	34.426	.41257	19.118	186.25	15.872	15.872	49.982	.82837	6.5208
#1	.03315	.00103	.88594	.00389	-.00034	.07790	.16670	.00104	.00601	.00189
#2	.03492	.00063	.89113	.00296	.00245	.06218	.13306	.00050	.00608	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00035**	**-.03461**	**.00021**	**.00384**	**.00232**
Stddev	.00023	.00049	.00818	.00030	.00047	.00032
%RSD	502.64	138.65	23.624	140.44	12.148	13.645
#1	.00012	-.00070	-.04039	.00000	.00417	.00254
#2	-.00021	-.00001	-.02883	.00042	.00351	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8471.8**	**109870.**	**9354.6**
Stddev	12.7	531.	40.1
%RSD	.15005	.48325	.42895
#1	8480.8	109490.	9326.3
#2	8462.8	110240.	9383.0

Sample Name: CCVH-2357613 Acquired: 11/7/2013 16:49:48 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00499**	**49.334**	**.00337**	**.00668**	**.00051**	**-.00005**	**.95183**	**-.00142**	**-.00054**	**-.00060**	**.00003**	**.01123**	**48.308**
Stddev	.00044	.111	.00164	.00117	.00011	.00005	.00048	.00369	.00003	.00002	.00005	.00026	.535
%RSD	8.8176	.22511	48.711	17.532	21.164	101.57	.05027	260.17	5.4696	3.6867	159.72	2.3529	1.1077
#1	.00468	49.413	.00453	.00751	.00043	-.00009	.95149	-.00402	-.00056	-.00061	.00000	.01105	47.930
#2	.00530	49.256	.00221	.00585	.00058	-.00001	.95217	.00119	-.00052	-.00058	.00007	.01142	48.687
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05393**	**.00334**	**.08114**	**.00040**	**.00012**	**245.83**	**-.00031**	**.00235**	**.00029**	**4.7856**	**.00153**	**-.00411**	**-.00396**
Stddev	.00856	.00167	.00166	.00022	.00011	.46	.00010	.00143	.00097	.0009	.00241	.00177	.01862
%RSD	15.867	50.092	2.0440	55.751	91.419	.18654	32.754	60.808	333.44	.01932	158.02	42.947	469.92
#1	.04787	.00215	.07997	.00056	.00004	245.50	-.00024	.00336	-.00040	4.7849	-.00018	-.00536	.00920
#2	.05998	.00452	.08231	.00024	.00020	246.15	-.00038	.00134	.00098	4.7862	.00323	-.00286	-.01713
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00848**	**.00005**	**.00035**	**4.7659**	**-.00790**	**.00086**	**10.111**	**.00097**	**.00114**	**.04228**
Stddev	.03984	.00008	.00011	.0052	.00038	.00247	.005	.00006	.00036	.00193
%RSD	469.92	155.34	31.278	.10835	4.7825	287.94	.04999	6.0920	31.333	4.5559
#1	.01969	.00010	.00042	4.7695	-.00817	-.00089	10.115	.00102	.00140	.04092
#2	-.03665	.00000	.00027	4.7622	-.00763	.00261	10.107	.00093	.00089	.04365
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8130.4**	**102400.**	**8985.9**
Stddev	21.2	501.	15.0
%RSD	.26076	.48918	.16646
#1	8115.4	102050.	8975.3
#2	8145.4	102760.	8996.4

Sample Name: CCV-2357614 Acquired: 11/7/2013 16:52:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47978**	**.50344**	**.96197**	**.48776**	**.48941**	**.48042**	**.00174**	**4.8522**	**.48714**	**.49105**	**.47611**	**.48525**	**2.3776**
Stddev	.00200	.00143	.00380	.00112	.00017	.00154	.00383	.0278	.00089	.00038	.00042	.00204	.0051
%RSD	.41676	.28406	.39501	.22921	.03379	.32039	220.43	.57376	.18269	.07758	.08915	.42029	.21342
#1	.48119	.50445	.96466	.48697	.48929	.47933	-.00097	4.8325	.48777	.49132	.47641	.48669	2.3812
#2	.47836	.50243	.95928	.48855	.48953	.48151	.00445	4.8719	.48651	.49078	.47581	.48380	2.3741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.606**	**.96327**	**18.817**	**.48044**	**.47539**	**5.0181**	**.48530**	**.95075**	**.98548**	**-.00220**	**.99549**	**.97627**	**4.7323**
Stddev	.042	.00373	.042	.00017	.00113	.0097	.00072	.00667	.00074	.00053	.00532	.00279	.0418
%RSD	.08728	.38718	.22216	.03525	.23740	.19246	.14895	.70198	.07465	24.060	.53446	.28572	.88413
#1	48.576	.96591	18.846	.48056	.47460	5.0249	.48479	.94603	.98496	-.00182	.99173	.97825	4.7028
#2	48.636	.96063	18.787	.48032	.47619	5.0113	.48581	.95547	.98600	-.00257	.99925	.97430	4.7619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.127**	**.95464**	**.48493**	**-.00319**	**.48494**	**1.0056**	**-.03096**	**.47809**	**.47383**	**.48922**
Stddev	.090	.00023	.00010	.00032	.00131	.0018	.00939	.00010	.00270	.00131
%RSD	.88413	.02409	.02033	9.9311	.26950	.18241	30.340	.02090	.56921	.26680
#1	10.064	.95480	.48486	-.00341	.48587	1.0043	-.03761	.47816	.47192	.48830
#2	10.191	.95448	.48500	-.00296	.48402	1.0069	-.02432	.47802	.47573	.49014
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8313.1**	**106300.**	**9082.9**
Stddev	1.5	545.	32.4
%RSD	.01800	.51301	.35632
#1	8312.1	106690.	9105.8
#2	8314.2	105920.	9060.0

Sample Name: CCB Acquired: 11/7/2013 16:54:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00108**	**.00075**	**.00257**	**-.00008**	**.00007**	**.00042**	**.00129**	**-.00027**	**.00030**	**.00011**	**-.00082**	**-.00091**
Stddev	.00011	.00016	.00054	.00029	.00042	.00013	.00028	.00064	.00008	.00014	.00002	.00030	.00288
%RSD	44.339	14.998	71.655	11.477	503.88	179.94	67.440	49.607	28.788	46.943	17.321	37.230	317.72
#1	-.00031	.00120	.00114	.00278	-.00038	.00016	.00022	.00175	-.00022	.00040	.00010	-.00103	-.00294
#2	-.00016	.00097	.00037	.00236	.00021	-.00002	.00061	.00084	-.00033	.00020	.00012	-.00060	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05526**	**.00153**	**.00065**	**.00008**	**.00027**	**.03774**	**.00021**	**.00006**	**.00077**	**-.00203**	**.00175**	**.00214**	**-.00890**
Stddev	.00219	.00025	.00156	.00000	.00029	.00660	.00020	.00058	.00078	.00339	.00060	.00225	.00726
%RSD	3.9550	16.288	240.20	2.4006	106.64	17.492	93.248	994.58	100.58	166.99	34.212	105.11	81.486
#1	.05372	.00171	-.00045	.00007	.00007	.04241	.00007	-.00035	.00133	.00037	.00217	.00374	-.00377
#2	.05681	.00135	.00176	.00008	.00047	.03307	.00035	.00047	.00022	-.00443	.00133	.00055	-.01403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01905**	**-.00005**	**.00005**	**.00095**	**-.00007**	**-.00094**	**-.01215**	**.00013**	**.00318**	**.00123**
Stddev	.01553	.00024	.00009	.00140	.00036	.00015	.00121	.00023	.00004	.00146
%RSD	81.486	457.95	184.51	146.80	542.94	16.193	9.9836	170.76	1.2222	118.86
#1	-.00808	-.00022	.00011	-.00004	.00019	-.00083	-.01129	.00029	.00315	.00226
#2	-.03003	.00012	-.00001	.00194	-.00032	-.00104	-.01300	-.00003	.00321	.00020
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8285.9**	**107750.**	**9037.6**
Stddev	27.4	449.	1.6
%RSD	.33047	.41645	.01803
#1	8305.2	108060.	9038.8
#2	8266.5	107430.	9036.5

Sample Name: CCVL-2363703 Acquired: 11/7/2013 16:56:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.11290**	**.01754**	**.10506**	**.01053**	**.00091**	**.12279**	**.21113**	**.00532**	**.01114**	**.01059**	**.01568**	**.09838**
Stddev	.00033	.00038	.00184	.00022	.00031	.00002	.00068	.00002	.00013	.00020	.00010	.00019	.00260
%RSD	3.0206	.33457	10.480	.21189	2.9502	1.7441	.55078	.01018	2.4430	1.8010	.94828	1.2129	2.6387
#1	.01130	.11264	.01624	.10490	.01031	.00090	.12231	.21112	.00523	.01100	.01066	.01582	.09655
#2	.01083	.11317	.01884	.10522	.01074	.00092	.12327	.21115	.00541	.01129	.01052	.01555	.10022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1754**	**.01257**	**.21737**	**.01069**	**.01981**	**1.1054**	**.04326**	**2.9979**	**.01106**	**.00129**	**.01299**	**.01599**	**.48834**
Stddev	.0485	.00141	.00048	.00006	.00004	.0147	.00027	.0060	.00067	.00452	.00014	.00144	.01158
%RSD	1.5264	11.195	.21962	.57384	.20140	1.3348	.61389	.19986	6.0659	351.75	1.0875	9.0193	2.3717
#1	3.2096	.01158	.21770	.01064	.01984	1.0950	.04307	2.9937	.01059	-.00191	.01309	.01700	.49653
#2	3.1411	.01357	.21703	.01073	.01978	1.1158	.04345	3.0022	.01154	.00448	.01289	.01497	.48015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0451**	**.10395**	**.01066**	**.01630**	**.00950**	**.01752**	F **.03201**	**.00948**	**.02275**	**.01672**
Stddev	.0248	.00042	.00010	.00140	.00003	.00028	.03545	.00039	.00002	.00089
%RSD	2.3717	.40175	.95432	8.5984	.34035	1.6165	110.76	4.1163	.08291	5.3137
#1	1.0626	.10365	.01059	.01729	.00948	.01773	.00694	.00976	.02276	.01735
#2	1.0275	.10424	.01074	.01531	.00952	.01732	.05708	.00920	.02274	.01609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8543.3**	**110280.**	**9263.9**
Stddev	3.0	155.	51.3
%RSD	.03566	.14011	.55370
#1	8545.4	110390.	9227.7
#2	8541.1	110170.	9300.2

Sample Name: 280-48566-c-8-a Acquired: 11/7/2013 16:58:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.12654**	**.00165**	**.02590**	**.03386**	**.00001**	**.00222**	**2.0503**	**.00004**	**.00044**
Stddev	.00063	.00017	.00008	.00033	.00010	.00013	.00124	.0075	.00022	.00001
%RSD	326.46	.13167	4.8875	1.2703	.28332	2375.5	55.583	.36711	484.99	1.2483
#1	-.00025	.12666	.00160	.02613	.03380	-.00009	.00135	2.0556	-.00011	.00044
#2	.00063	.12642	.00171	.02567	.03393	.00010	.00310	2.0450	.00020	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00803**	**.03898**	**1.8957**	**.00030**	**1.1900**	**.01378**	**.00016**	**7.4034**	**.00143**
Stddev	.00001	.00035	.00003	.0219	.00085	.0003	.00003	.00022	.0513	.00012
%RSD	2.9955	4.3668	.08686	1.1558	279.02	.02755	.18817	131.40	.69320	8.1454
#1	.00041	.00778	.03896	1.8802	.00090	1.1902	.01380	.00032	7.4397	.00151
#2	.00043	.00827	.03901	1.9112	-.00030	1.1898	.01376	.00001	7.3672	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.00028**	**1.8128**	**.00250**	**.00275**	**2.3221**	**4.9692**	**.00141**	**.01681**	**.00230**
Stddev	.00122	.00041	.0049	.00130	.00013	.0124	.0266	.00065	.00003	.00076
%RSD	31.274	146.35	.26840	51.935	4.5630	.53422	.53422	46.092	.19519	32.916
#1	.00477	-.00001	1.8094	.00158	.00266	2.3308	4.9880	.00188	.01679	.00283
#2	.00305	.00058	1.8162	.00342	.00284	2.3133	4.9505	.00095	.01684	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00076**	**-.03971**	**.00019**	**.05061**	**.00097**
Stddev	.00045	.00072	.03228	.00007	.00008	.00083
%RSD	214.93	94.003	81.302	38.042	.14841	85.565
#1	.00052	-.00127	-.06254	.00014	.05066	.00038
#2	-.00011	-.00026	-.01688	.00024	.05055	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8479.9**	**109060.**	**9304.9**
Stddev	25.8	171.	51.7
%RSD	.30413	.15648	.55590
#1	8498.2	108940.	9268.3
#2	8461.7	109180.	9341.5

Sample Name: 280-48566-c-9-a Acquired: 11/7/2013 17:01:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.01724**	**.00318**	**.00612**	**.00422**	**-.00001**	**.00229**	**.39778**	**-.00001**	**.00013**
Stddev	.00038	.00002	.00155	.00029	.00022	.00002	.00175	.00505	.00000	.00022
%RSD	57.529	.12392	48.768	4.6894	5.2391	224.45	76.372	1.2706	38.947	165.35
#1	-.00092	.01722	.00428	.00632	.00407	-.00002	.00352	.40136	-.00001	-.00002
#2	-.00039	.01725	.00209	.00592	.00438	.00000	.00105	.39421	-.00001	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00063**	**.01823**	**.27892**	**.00168**	**.20011**	**.00150**	**-.00001**	**1.1797**	**.00014**
Stddev	.00003	.00015	.00169	.00041	.00068	.00069	.00002	.00022	.0020	.00004
%RSD	9.8920	23.942	9.2781	.14598	40.204	.34275	1.6448	1926.7	.17071	25.580
#1	.00030	.00052	.01703	.27921	.00216	.20060	.00148	-.00016	1.1783	.00017
#2	.00035	.00074	.01943	.27863	.00120	.19963	.00151	.00014	1.1811	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.00062**	**.10721**	**-.00055**	**.00316**	**3.5867**	**7.6754**	**.00038**	**.00265**	**.00154**
Stddev	.00072	.00014	.00462	.00185	.00005	.0325	.0695	.00079	.00008	.00067
%RSD	64.309	23.242	4.3053	336.51	1.6375	.90538	.90538	209.74	3.0701	43.362
#1	.00163	-.00072	.11047	-.00186	.00319	3.5637	7.6263	.00093	.00259	.00201
#2	.00061	-.00052	.10394	.00076	.00312	3.6096	7.7246	-.00018	.00271	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**-.00144**	**.00761**	**-.00020**	**.00666**	**.00070**
Stddev	.00025	.00014	.01825	.00054	.00001	.00168
%RSD	26.323	9.6241	239.82	266.63	.12612	241.16
#1	.00077	-.00134	-.00530	.00018	.00667	-.00049
#2	.00112	-.00154	.02052	-.00059	.00666	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8546.9**	**110680.**	**9234.0**
Stddev	15.3	109.	2.7
%RSD	.17862	.09811	.02941
#1	8557.7	110600.	9232.1
#2	8536.1	110760.	9235.9

Sample Name: 280-48566-c-11-a Acquired: 11/7/2013 17:03:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**1.6215**	**.00319**	**.00920**	**.02190**	**.00004**	**-.00191**	**.77981**	**.00001**	**.00046**
Stddev	.00004	.0048	.00113	.00036	.00019	.00003	.00334	.00139	.00012	.00024
%RSD	57.704	.29565	35.541	3.9678	.86873	67.929	174.65	.17767	842.34	52.115
#1	.00010	1.6249	.00399	.00894	.02177	.00002	-.00427	.77883	-.00007	.00063
#2	.00004	1.6181	.00238	.00945	.02203	.00006	.00045	.78079	.00010	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00147**	**8.7118**	**.59970**	**.00291**	**.52656**	**.05797**	**.00013**	**3.3393**	**.00083**
Stddev	.00004	.00009	.0023	.02781	.00058	.00115	.00009	.00013	.0139	.00019
%RSD	2.7327	6.0109	.02665	4.6381	19.824	.21833	.15508	99.612	.41567	23.464
#1	.00168	.00141	8.7134	.58003	.00332	.52737	.05791	.00004	3.3491	.00096
#2	.00161	.00153	8.7101	.61937	.00250	.52574	.05804	.00023	3.3295	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08719**	**.00383**	**.53098**	**.00378**	**.00291**	**4.1019**	**8.7781**	**.00193**	**.00661**	**.00357**
Stddev	.00061	.00103	.00214	.00029	.00342	.0215	.0459	.00092	.00001	.00075
%RSD	.69571	26.941	.40382	7.6352	117.36	.52327	.52327	47.991	.07572	20.972
#1	.08762	.00456	.52946	.00358	.00533	4.0868	8.7457	.00127	.00661	.00410
#2	.08676	.00310	.53250	.00399	.00050	4.1171	8.8106	.00258	.00660	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00707**	**-.00045**	**-.02615**	**.00593**	**.00893**	**.00090**
Stddev	.00009	.00044	.00013	.00045	.00000	.00074
%RSD	1.2054	98.859	.48331	7.6543	.04877	82.659
#1	.00701	-.00076	-.02624	.00560	.00893	.00037
#2	.00713	-.00013	-.02606	.00625	.00893	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8537.1**	**109280.**	**9248.6**
Stddev	18.0	686.	28.5
%RSD	.21051	.62728	.30805
#1	8524.4	109770.	9228.5
#2	8549.8	108800.	9268.7

Sample Name: 280-48566-c-15-a Acquired: 11/7/2013 17:05:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.04136**	**.00090**	**.00743**	**.00800**	**-.00003**	**.00084**	**1.8961**	**.00004**	**.00017**
Stddev	.00017	.00005	.00441	.00032	.00026	.00004	.00053	.0097	.00010	.00017
%RSD	466.10	.10910	491.37	4.3328	3.2377	148.24	63.841	.51139	264.66	101.73
#1	-.00016	.04139	-.00222	.00765	.00781	.00000	.00046	1.9030	-.00003	.00029
#2	.00008	.04133	.00401	.00720	.00818	-.00006	.00121	1.8893	.00011	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.01874**	**.01997**	**.85613**	**.00132**	**.58987**	**.00435**	**.00002**	**2.2207**	**.00045**
Stddev	.00009	.00012	.00219	.03179	.00172	.00323	.00003	.00010	.0071	.00030
%RSD	35.992	.63379	10.960	3.7131	130.24	.54729	.62773	531.53	.31924	66.697
#1	.00019	.01865	.02152	.87861	.00010	.58758	.00437	-.00005	2.2257	.00066
#2	.00032	.01882	.01843	.83365	.00254	.59215	.00433	.00009	2.2157	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.00121**	**.45436**	**.00053**	**-.00062**	**3.6119**	**7.7294**	**.00104**	**.00972**	**.00375**
Stddev	.00020	.00155	.00087	.00069	.00012	.0591	.1265	.00020	.00004	.00005
%RSD	7.4930	127.94	.19086	130.16	19.381	1.6370	1.6370	19.618	.37587	1.3048
#1	.00259	.00012	.45375	.00102	-.00071	3.6537	7.8189	.00089	.00975	.00371
#2	.00288	.00230	.45497	.00004	-.00054	3.5701	7.6400	.00118	.00969	.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00028**	W **-.05485**	**-.00035**	**.01514**	**.00008**
Stddev	.00043	.00099	.01314	.00003	.00032	.00204
%RSD	163.42	352.86	23.948	9.3683	2.0989	2573.2
#1	-.00004	-.00098	-.04556	-.00037	.01492	-.00137
#2	.00056	.00042	-.06414	-.00032	.01537	.00152
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8499.2**	**109740.**	**9227.0**
Stddev	12.9	124.	102.4
%RSD	.15131	.11273	1.1098
#1	8490.1	109830.	9154.5
#2	8508.3	109660.	9299.4

Sample Name: 280-48566-c-16-a Acquired: 11/7/2013 17:08:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.03687**	**.00027**	**.00712**	**.00799**	**-.00004**	**-.00211**	**1.8959**	**-.00018**	**.00017**
Stddev	.00030	.00032	.00035	.00002	.00031	.00010	.00284	.0088	.00007	.00001
%RSD	280.40	.85827	131.08	.30701	3.8653	248.99	134.40	.46368	38.702	4.3089
#1	-.00011	.03664	.00052	.00710	.00777	.00003	-.00010	1.8896	-.00023	.00018
#2	.00032	.03709	.00002	.00713	.00821	-.00011	-.00412	1.9021	-.00013	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.02495**	**.00705**	**.83278**	**.00404**	**.58935**	**.00414**	**.00014**	**2.2504**	**.00070**
Stddev	.00004	.00025	.00030	.01942	.00182	.00566	.00003	.00011	.0257	.00013
%RSD	17.630	1.0181	4.2188	2.3318	45.054	.95970	.80581	74.519	1.1441	17.997
#1	.00021	.02513	.00726	.84651	.00533	.59335	.00417	.00007	2.2322	.00061
#2	.00027	.02477	.00684	.81905	.00275	.58535	.00412	.00022	2.2686	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00093**	**.45038**	**.00102**	**-.00191**	**3.5966**	**7.6968**	**-.00013**	**.00962**	**.00295**
Stddev	.00084	.00003	.00201	.00198	.00029	.0261	.0559	.00004	.00003	.00224
%RSD	33.341	3.1169	.44643	193.99	15.341	.72650	.72650	27.880	.29992	75.807
#1	.00312	.00091	.44896	-.00038	-.00212	3.5782	7.6573	-.00011	.00960	.00453
#2	.00193	.00095	.45180	.00242	-.00171	3.6151	7.7364	-.00016	.00964	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00093**	**-.04074**	**-.00011**	**.01402**	**.00205**
Stddev	.00007	.00001	.01164	.00016	.00024	.00029
%RSD	37.816	1.4094	28.566	142.82	1.7139	14.179
#1	.00013	-.00094	-.04897	.00000	.01419	.00225
#2	.00022	-.00092	-.03251	-.00022	.01385	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8594.6**	**110520.**	**9358.8**
Stddev	15.9	12.	27.5
%RSD	.18485	.01044	.29383
#1	8583.4	110520.	9378.2
#2	8605.8	110530.	9339.3

Sample Name: 280-48566-c-18-a Acquired: 11/7/2013 17:10:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.04035**	**.00226**	**.00661**	**.01299**	**.00002**	**-.00115**	**.36119**	**-.00002**	**.00034**
Stddev	.00039	.00040	.00221	.00027	.00051	.00001	.00271	.00200	.00004	.00015
%RSD	114.21	.98368	97.783	4.1597	3.9649	49.861	235.64	.55361	199.00	42.987
#1	.00007	.04063	.00383	.00641	.01262	.00001	-.00307	.36260	.00001	.00044
#2	.00062	.04007	.00070	.00680	.01335	.00003	.00077	.35977	-.00005	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.01007**	**.01074**	**.38735**	**.00206**	**.46355**	**.00173**	**.00000**	**1.8995**	**.00052**
Stddev	.00002	.00003	.00004	.03264	.00247	.00050	.00007	.0003	.0250	.00001
%RSD	7.2166	.26233	.37810	8.4256	119.94	.10798	3.9474	5810.3	1.3150	2.5511
#1	.00023	.01005	.01077	.41042	.00381	.46320	.00168	.00019	1.9172	.00053
#2	.00026	.01008	.01071	.36427	.00031	.46390	.00178	-.00020	1.8819	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.01754**	**.04525**	**.00070**	**.00212**	**2.6196**	**5.6060**	**.00092**	**.00455**	**.00481**
Stddev	.00318	.00068	.00170	.00039	.00049	.0028	.0060	.00016	.00003	.00081
%RSD	318.01	3.8627	3.7464	55.421	23.076	.10785	.10785	17.771	.60084	16.860
#1	.00325	.01802	.04645	.00097	.00247	2.6176	5.6017	.00080	.00456	.00538
#2	-.00125	.01706	.04405	.00042	.00177	2.6216	5.6103	.00103	.00453	.00424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00052**	W **-.06375**	**-.00031**	**.01358**	**-.00046**
Stddev	.00040	.00125	.00739	.00019	.00064	.00069
%RSD	3913.0	242.37	11.590	58.779	4.6897	149.66
#1	-.00029	-.00140	-.06898	-.00045	.01403	-.00095
#2	.00027	.00037	-.05853	-.00018	.01313	.00003
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8577.8**	**111330.**	**9308.7**
Stddev	12.4	61.	27.7
%RSD	.14512	.05513	.29723
#1	8586.6	111370.	9328.3
#2	8569.0	111290.	9289.2

Sample Name: 280-48566-c-19-a Acquired: 11/7/2013 17:13:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.06434**	**.00067**	**.01791**	**.03029**	**.00001**	**-.00093**	**1.6046**	**.00004**	**.00040**
Stddev	.00034	.00047	.00065	.00002	.00006	.00004	.00386	.0012	.00009	.00004
%RSD	1158.4	.72333	96.766	.11514	.20968	316.24	415.14	.07141	266.94	10.037
#1	.00021	.06401	.00113	.01792	.03024	.00004	.00180	1.6054	-.00003	.00037
#2	-.00027	.06467	.00021	.01790	.03033	-.00002	-.00365	1.6038	.00010	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00655**	**.02120**	**1.4945**	**.00139**	**1.4089**	**.00436**	**.00000**	**6.0780**	**.00082**
Stddev	.00001	.00043	.00193	.0541	.00086	.0050	.00005	.0001	.0133	.00024
%RSD	1.8696	6.5673	9.0882	3.6194	61.942	.35301	1.2347	2699.5	.21891	29.077
#1	.00052	.00686	.01984	1.4563	.00078	1.4124	.00440	-.00010	6.0874	.00065
#2	.00051	.00625	.02256	1.5328	.00199	1.4054	.00432	.00009	6.0686	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00471**	**.94732**	**.00048**	**.00185**	**2.5951**	**5.5535**	**.00108**	**.01755**	**.00343**
Stddev	.00011	.00075	.00587	.00157	.00189	.0066	.0140	.00027	.00013	.00063
%RSD	9.7198	15.947	.61934	324.71	102.30	.25265	.25265	25.088	.72336	18.231
#1	.00104	.00524	.94317	-.00062	.00051	2.5904	5.5435	.00089	.01746	.00299
#2	.00119	.00418	.95147	.00159	.00319	2.5997	5.5634	.00127	.01764	.00387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00081**	W **-.06087**	**.00012**	**.01775**	**.00086**
Stddev	.00014	.00052	.04312	.00012	.00015	.00065
%RSD	50.091	64.268	70.833	106.58	.86346	75.460
#1	-.00038	-.00044	-.09136	.00003	.01786	.00040
#2	-.00018	-.00117	-.03038	.00020	.01764	.00132
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8573.2**	**110130.**	**9295.7**
Stddev	29.1	581.	72.4
%RSD	.33896	.52735	.77931
#1	8552.7	110540.	9244.4
#2	8593.8	109720.	9346.9

Sample Name: 280-48566-c-20-a Acquired: 11/7/2013 17:15:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.01420**	**.00244**	**.00544**	**.00737**	**.00001**	**-.00176**	**1.1441**	**-.00012**	**.00019**
Stddev	.00045	.00002	.00094	.00010	.00010	.00005	.00084	.0043	.00004	.00019
%RSD	145.27	.13868	38.696	1.7602	1.3006	515.55	47.538	.37315	29.076	102.21
#1	.00062	.01422	.00310	.00537	.00730	.00004	-.00235	1.1471	-.00015	.00005
#2	-.00001	.01419	.00177	.00551	.00744	-.00002	-.00117	1.1411	-.00010	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.16142**	**.05288**	**.34486**	**.00344**	**.72983**	**.00140**	**-.00011**	**2.2416**	**.00093**
Stddev	.00005	.00043	.00065	.03939	.00213	.00640	.00000	.00021	.0148	.00015
%RSD	15.473	.26763	1.2347	11.422	61.838	.87721	.26376	190.09	.66192	16.683
#1	.00028	.16172	.05242	.37271	.00494	.73436	.00140	-.00026	2.2521	.00082
#2	.00034	.16111	.05335	.31700	.00193	.72530	.00141	.00004	2.2311	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**.00143**	**.25560**	**.00104**	**.00071**	**3.5667**	**7.6327**	**.00126**	**.01093**	**.00296**
Stddev	.00031	.00070	.00114	.00024	.00005	.0259	.0553	.00028	.00006	.00009
%RSD	9.6847	48.651	.44510	23.507	6.6564	.72490	.72490	22.092	.54165	3.1388
#1	.00346	.00094	.25641	.00086	.00068	3.5850	7.6718	.00146	.01097	.00289
#2	.00302	.00192	.25480	.00121	.00075	3.5484	7.5936	.00107	.01088	.00302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00011**	**-.03250**	**-.00016**	**.02299**	**-.00072**
Stddev	.00016	.00003	.00230	.00060	.00051	.00182
%RSD	207.32	25.469	7.0727	381.41	2.2281	254.52
#1	.00004	.00013	-.03087	-.00058	.02335	.00057
#2	-.00019	.00009	-.03413	.00027	.02263	-.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8609.5**	**110900.**	**9424.2**
Stddev	.4	786.	74.4
%RSD	.00472	.70847	.78899
#1	8609.3	110340.	9371.7
#2	8609.8	111450.	9476.8

Sample Name: 280-48566-c-21-a Acquired: 11/7/2013 17:17:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198588 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.01972**	**.00182**	**.00540**	**.00778**	**.00004**	**-.00065**	**.48512**	**-.00009**	**.00006**
Stddev	.00028	.00015	.00053	.00022	.00019	.00003	.00190	.00115	.00010	.00025
%RSD	240.09	.76167	29.133	3.9911	2.4448	69.222	293.63	.23604	118.63	407.43
#1	.00031	.01982	.00219	.00556	.00792	.00006	-.00199	.48431	-.00016	.00023
#2	-.00008	.01961	.00144	.00525	.00765	.00002	.00070	.48593	-.00001	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.01471**	**.00816**	**.23138**	**.00196**	**.32171**	**.00117**	**.00018**	**1.6319**	**.00044**
Stddev	.00013	.00029	.00070	.03525	.00240	.00457	.00008	.00007	.0137	.00009
%RSD	28.513	1.9968	8.5268	15.233	122.59	1.4217	6.9056	37.839	.83724	20.497
#1	.00053	.01451	.00865	.20646	.00026	.32495	.00111	.00023	1.6223	.00038
#2	.00035	.01492	.00767	.25631	.00365	.31848	.00123	.00013	1.6416	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00137**	**.09796**	**.00097**	**-.00181**	**3.2864**	**7.0329**	**.00019**	**.00389**	**.00435**
Stddev	.00036	.00016	.00179	.00040	.00105	.0081	.0173	.00051	.00000	.00198
%RSD	20.674	12.045	1.8268	41.016	58.027	.24644	.24644	267.05	.09848	45.386
#1	.00198	.00148	.09922	.00126	-.00256	3.2807	7.0206	.00056	.00389	.00575
#2	.00148	.00125	.09669	.00069	-.00107	3.2921	7.0451	-.00017	.00389	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00041**	**-.00839**	**.00008**	**.03064**	**-.00090**
Stddev	.00008	.00012	.01144	.00024	.00047	.00223
%RSD	460.56	28.703	136.43	311.70	1.5358	248.39
#1	-.00008	-.00050	-.01648	-.00009	.03031	-.00248
#2	.00004	-.00033	-.00030	.00025	.03097	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8567.8**	**110380.**	**9326.0**
Stddev	.6	292.	29.8
%RSD	.00703	.26492	.31958
#1	8568.2	110180.	9347.1
#2	8567.3	110590.	9305.0

Sample Name: CCVH-2357613 Acquired: 11/7/2013 17:20:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00503**	**49.118**	**.00354**	**.00455**	**-.00008**	**-.00006**	W **.94585**	**-.00248**	**-.00045**	**-.00068**	**.00006**	**.01053**
Stddev	.00052	.657	.00029	.00038	.00016	.00007	.00300	.00046	.00015	.00003	.00006	.00043
%RSD	10.382	1.3370	8.0968	8.2509	204.89	127.34	.31681	18.500	33.375	4.8917	103.26	4.1137
#1	.00466	48.654	.00375	.00482	-.00019	-.00001	.94797	-.00216	-.00035	-.00070	.00001	.01084
#2	.00540	49.583	.00334	.00429	.00003	-.00011	.94373	-.00281	-.00056	-.00065	.00010	.01023
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.338**	**.03914**	**.00045**	**.08757**	**.00046**	**-.00014**	**244.17**	**-.00024**	**.00024**	**.00186**	**4.8078**	**.00389**
Stddev	.207	.02166	.00001	.00032	.00002	.00016	2.66	.00022	.00084	.00062	.0101	.00285
%RSD	.43725	55.343	2.6050	.36970	4.3743	117.22	1.0886	90.592	357.54	33.270	.21059	73.075
#1	47.192	.02382	.00044	.08779	.00045	-.00002	242.29	-.00039	.00083	.00142	4.8006	.00188
#2	47.484	.05446	.00046	.08734	.00048	-.00025	246.05	-.00009	-.00036	.00230	4.8149	.00591
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**.00298**	**.00639**	**-.00021**	**.00039**	**4.7780**	**-.00759**	**.00120**	**10.202**	**.00139**	**.00108**	**.03696**
Stddev	.00104	.00371	.00794	.00016	.00005	.0073	.00053	.00161	.034	.00028	.00011	.00116
%RSD	63.627	124.34	124.34	77.778	13.558	.15372	7.0001	134.48	.32990	20.264	9.8722	3.1397
#1	-.00090	.00036	.00077	-.00033	.00043	4.7728	-.00721	.00006	10.178	.00119	.00100	.03614
#2	-.00238	.00561	.01200	-.00009	.00036	4.7832	-.00796	.00233	10.226	.00158	.00115	.03778
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.4**	**102990.**	**9057.0**
Stddev	12.4	519.	26.7
%RSD	.15137	.50393	.29519
#1	8172.1	103360.	9075.9
#2	8154.6	102620.	9038.1

Sample Name: CCV-2357614 Acquired: 11/7/2013 17:22:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47545**	**.50071**	**.95013**	**.48160**	**.48906**	**.47764**	**.00131**	**4.8129**	**.48472**	**.48776**	**.47236**	**.48276**	**2.3579**
Stddev	.00281	.00194	.00281	.00169	.00204	.00305	.00215	.0248	.00033	.00070	.00039	.00231	.0250
%RSD	.59052	.38755	.29591	.35142	.41754	.63921	164.02	.51572	.06888	.14373	.08337	.47789	1.0591
#1	.47346	.49934	.94814	.48040	.49050	.47980	-.00021	4.8304	.48496	.48726	.47209	.48112	2.3756
#2	.47743	.50208	.95212	.48280	.48762	.47548	.00283	4.7953	.48448	.48825	.47264	.48439	2.3403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.287**	**.96066**	**18.599**	**.47810**	**.46934**	**4.9725**	**.48166**	**.93577**	**.97703**	**-.00481**	**.98937**	**.95723**	**4.7384**
Stddev	.410	.00581	.039	.00200	.00157	.0405	.00209	.00480	.00627	.00070	.00458	.00575	.0337
%RSD	.84876	.60444	.20941	.41888	.33444	.81512	.43425	.51296	.64125	14.650	.46284	.60057	.71084
#1	48.576	.96477	18.571	.47669	.46823	5.0011	.48018	.93237	.97260	-.00531	.98614	.95316	4.7622
#2	47.997	.95656	18.626	.47952	.47045	4.9438	.48314	.93916	.98146	-.00431	.99261	.96129	4.7146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.140**	**.94362**	**.48368**	**-.00354**	**.48335**	**1.0008**	**-.00146**	**.47386**	**.46826**	**.48734**
Stddev	.072	.00438	.00313	.00060	.00185	.0043	.01104	.00172	.00249	.00178
%RSD	.71084	.46395	.64767	16.878	.38287	.42815	754.07	.36297	.53125	.36597
#1	10.191	.94053	.48590	-.00396	.48204	.99778	-.00927	.47265	.46650	.48860
#2	10.089	.94672	.48147	-.00312	.48466	1.0038	.00634	.47508	.47002	.48608
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8350.8**	**107070.**	**9113.8**
Stddev	.7	217.	82.2
%RSD	.00869	.20231	.90242
#1	8350.3	107230.	9055.6
#2	8351.3	106920.	9171.9

Sample Name: CCB Acquired: 11/7/2013 17:24:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00052**	**-.00162**	**.00188**	**-.00019**	**.00003**	**.00277**	**-.00144**	**-.00009**	**.00008**	**.00022**	**-.00060**
Stddev	.00034	.00012	.00077	.00025	.00045	.00003	.00256	.00045	.00005	.00008	.00012	.00031
%RSD	72.928	22.446	47.435	13.285	234.80	99.272	92.269	31.304	52.342	104.05	55.410	51.206
#1	-.00023	.00060	-.00108	.00205	.00013	.00001	.00458	-.00112	-.00012	.00002	.00031	-.00038
#2	-.00071	.00044	-.00216	.00170	-.00051	.00005	.00096	-.00175	-.00006	.00014	.00013	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00182**	**.04162**	**.00111**	**.00156**	**.00004**	**.00038**	**.02281**	**-.00011**	**-.00153**	**.00032**	**.00038**	W **.00325**
Stddev	.00143	.02743	.00072	.00074	.00011	.00012	.00009	.00044	.00045	.00021	.00005	.00044
%RSD	78.625	65.902	64.862	47.444	286.22	31.279	.38389	403.55	29.677	64.429	13.098	13.599
#1	-.00284	.02223	.00162	.00208	.00012	.00029	.02287	-.00042	-.00121	.00018	.00034	.00294
#2	-.00081	.06102	.00060	.00104	-.00004	.00046	.02275	.00020	-.00185	.00047	.00041	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**-.00437**	**-.00935**	**.00000**	**-.00002**	**.00355**	**-.00011**	**.00009**	**-.03916**	**-.00020**	**.00350**	**-.00041**
Stddev	.00338	.00572	.01225	.0001	.00012	.00145	.00028	.00031	.04277	.00057	.00041	.00309
%RSD	132.01	131.01	131.01	2940.9	709.79	40.927	248.75	350.94	109.22	287.20	11.623	750.43
#1	-.00495	-.00032	-.00069	-.00010	.00007	.00458	.00008	-.00013	-.00892	-.00060	.00379	-.00260
#2	-.00017	-.00841	-.01801	.00009	-.00010	.00253	-.00031	.00031	-.06940	.00021	.00322	.00177
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8347.8**	**107590.**	**9121.2**
Stddev	12.4	272.	36.8
%RSD	.14880	.25325	.40360
#1	8339.0	107780.	9147.2
#2	8356.5	107400.	9095.2

Sample Name: CCVL-2363703 Acquired: 11/7/2013 17:26:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.11312**	**.01530**	**.10296**	**.01037**	**.00091**	**.12257**	**.20402**	**.00540**	**.01097**	**.01037**	**.01772**	**.09818**
Stddev	.00156	.00009	.00086	.00035	.00015	.00006	.00034	.00111	.00004	.00017	.00008	.00310	.00229
%RSD	13.586	.08008	5.5904	.33573	1.4814	6.2158	.27746	.54470	.73743	1.5686	.76627	17.497	2.3285
#1	.01258	.11305	.01590	.10320	.01048	.00095	.12233	.20481	.00543	.01085	.01032	.01991	.09656
#2	.01038	.11318	.01469	.10271	.01026	.00087	.12281	.20324	.00538	.01109	.01043	.01553	.09980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1196**	F **.01353**	**.23568**	**.01171**	**.01939**	**1.0983**	**.04275**	**2.9589**	**.01057**	**.00455**	**.01093**	**.01397**	**.47660**
Stddev	.0014	.00139	.02664	.00150	.00001	.0020	.00001	.0045	.00004	.00209	.00010	.00073	.00801
%RSD	.04564	10.306	11.305	12.810	.05582	.18189	.02378	.15094	.40828	45.902	.88538	5.2067	1.6804
#1	3.1185	.01255	.25452	.01277	.01938	1.0969	.04275	2.9621	.01054	.00603	.01099	.01346	.47094
#2	3.1206	.01452	.21684	.01065	.01940	1.0997	.04274	2.9558	.01060	.00308	.01086	.01448	.48226
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0199**	**.10306**	**.01039**	**.01942**	**.01111**	**.01825**	F **.03950**	**.01105**	**.02524**	**.01449**
Stddev	.0171	.00045	.00008	.00363	.00146	.00043	.05505	.00108	.00262	.00020
%RSD	1.6804	.43396	.76621	18.681	13.104	2.3488	139.36	9.7759	10.372	1.3954
#1	1.0078	.10337	.01034	.02199	.01214	.01855	.00058	.01182	.02709	.01464
#2	1.0320	.10274	.01045	.01686	.01008	.01795	.07843	.01029	.02339	.01435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8576.7**	**102420.**	**9421.1**
Stddev	1.7	10540.	22.7
%RSD	.02027	10.292	.24081
#1	8575.4	94964.	9405.0
#2	8577.9	109870.	9437.1

Sample Name: mb 280-199346/1-a Acquired: 11/7/2013 17:29:11 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.03243**	**.00026**	**.00138**	**.00064**	**-.00002**	**.00261**	**.02810**	**-.00007**	**.00010**
Stddev	.00013	.00061	.00035	.00045	.00003	.00003	.00069	.00100	.00006	.00007
%RSD	216.62	1.8668	133.57	32.509	5.2131	121.48	26.486	3.5547	83.013	70.846
#1	-.00016	.03286	.00001	.00170	.00067	.00000	.00310	.02881	-.00012	.00005
#2	.00003	.03200	.00051	.00107	.00062	-.00005	.00212	.02739	-.00003	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00015**	F **.10095**	**.04506**	**.00413**	**.00589**	**.00056**	**.00005**	**.06685**	**.00024**
Stddev	.00003	.00001	.00314	.05105	.00181	.00052	.00005	.00012	.00819	.00002
%RSD	6.0692	9.2319	3.1127	113.29	43.841	8.8590	9.6665	242.86	12.251	7.4746
#1	.00046	.00014	.09872	.00896	.00285	.00625	.00060	-.00004	.07264	.00022
#2	.00050	.00016	.10317	.08116	.00541	.00552	.00052	.00014	.06106	.00025
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**.00050**	**.01459**	**.00130**	**.00064**	**.02579**	**.05519**	**.00317**	**.00011**	**.00340**
Stddev	.00294	.00121	.00101	.00256	.00269	.02671	.05717	.00012	.00002	.00121
%RSD	170.84	240.16	6.9363	196.20	417.27	103.59	103.59	3.8855	23.336	35.576
#1	-.00036	-.00035	.01388	.00311	-.00126	.04468	.09561	.00309	.00009	.00255
#2	.00380	.00136	.01531	-.00050	.00255	.00690	.01476	.00326	.00012	.00426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00398**	**.00038**	**-.04415**	**-.00025**	**.00634**	**.00042**
Stddev	.00000	.00000	.01003	.00060	.00019	.00017
%RSD	.09409	.05070	22.709	244.88	2.9983	40.422
#1	.00398	.00038	-.03706	-.00067	.00620	.00030
#2	.00398	.00038	-.05124	.00018	.00647	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8670.4**	**111130.**	**9404.7**
Stddev	62.3	235.	69.4
%RSD	.71864	.21117	.73839
#1	8626.3	111290.	9355.6
#2	8714.4	110960.	9453.8

Sample Name: lcs 280-199346/2-a Acquired: 11/7/2013 17:31:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04916**	**1.8870**	**.94829**	**.95279**	**1.9484**	**.04687**	**2.0480**	**46.592**	**.10150**	**.47614**
Stddev	.00061	.0003	.00162	.00715	.0063	.00020	.0077	.130	.00077	.00012
%RSD	1.2422	.01509	.17120	.75065	.32425	.43324	.37638	.28004	.75879	.02475
#1	.04959	1.8868	.94714	.94773	1.9529	.04701	2.0425	46.684	.10096	.47605
#2	.04873	1.8872	.94943	.95784	1.9439	.04673	2.0534	46.500	.10205	.47622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18903**	**.24515**	**.94246**	**48.057**	**.95117**	**45.837**	**.47118**	**.92872**	**48.306**	**.46915**
Stddev	.00111	.00071	.00244	.201	.00299	.040	.00026	.00078	.059	.00208
%RSD	.58735	.28766	.25873	.41871	.31409	.08782	.05524	.08391	.12124	.44291
#1	.18825	.24565	.94418	48.199	.95328	45.865	.47099	.92817	48.347	.46768
#2	.18982	.24465	.94073	47.914	.94905	45.808	.47136	.92927	48.264	.47062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5750**	**.47962**	**.00520**	**.47382**	**1.9126**	F **.70186**	**1.5020**	**1.8563**	**.96185**	**.93912**
Stddev	.0001	.00290	.00109	.00442	.0074	.00974	.0208	.0060	.00441	.00030
%RSD	.00072	.60495	20.916	.93278	.38598	1.3875	1.3875	.32207	.45839	.03243
#1	9.5751	.47757	.00597	.47070	1.9074	.70875	1.5167	1.8521	.96497	.93933
#2	9.5750	.48167	.00443	.47695	1.9178	.69497	1.4872	1.8605	.95873	.93890
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96211**	**1.9127**	**2.0243**	**.47443**	**.46022**	**.48759**
Stddev	.00102	.0021	.0019	.00018	.00062	.00221
%RSD	.10627	.10937	.09178	.03713	.13427	.45251
#1	.96138	1.9112	2.0256	.47456	.46066	.48915
#2	.96283	1.9142	2.0229	.47431	.45978	.48603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8286.7**	**106110.**	**9486.3**
Stddev	16.6	182.	45.6
%RSD	.19990	.17175	.48081
#1	8275.0	105980.	9454.0
#2	8298.5	106240.	9518.5

Sample Name: 280-48439-a-1-g Acquired: 11/7/2013 17:33:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**122.27**	**.11451**	**.01531**	**.59593**	**.00962**	**-.03685**	**84.335**	**.00001**	**.05688**
Stddev	.00038	.09	.00218	.00031	.00032	.00017	.00051	.118	.00005	.00021
%RSD	119.91	.07107	1.9062	2.0372	.05317	1.7841	1.3798	.13954	395.72	.36737
#1	-.00059	122.33	.11297	.01553	.59615	.00950	-.03721	84.418	.00004	.05673
#2	-.00005	122.20	.11605	.01509	.59570	.00974	-.03649	84.252	-.00002	.05703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11237**	**.20698**	**239.10**	**7.5968**	**.06858**	**8.7039**	**4.6009**	**.01815**	**3.5127**	**.06151**
Stddev	.00062	.00078	.89	.0052	.00022	.0590	.1303	.00032	.0035	.00020
%RSD	.54845	.37540	.37421	.06806	.31591	.67794	2.8329	1.7773	.09982	.33148
#1	.11193	.20753	239.73	7.6005	.06873	8.7457	4.6930	.01792	3.5151	.06136
#2	.11280	.20643	238.46	7.5932	.06843	8.6622	4.5087	.01838	3.5102	.06165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9311**	**.14343**	**68.734**	**.00333**	**.01999**	**1.6509**	**3.5329**	**.50066**	**.58943**	**.06889**
Stddev	.0074	.00143	.032	.00346	.00073	.0075	.0160	.00281	.00066	.00157
%RSD	.38423	.99505	.04720	104.01	3.6551	.45213	.45213	.56087	.11187	2.2767
#1	1.9259	.14242	68.711	.00088	.02050	1.6456	3.5216	.49868	.58990	.07000
#2	1.9363	.14444	68.757	.00577	.01947	1.6562	3.5442	.50265	.58896	.06778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6707**	**-.00178**	F **-.17278**	**.27134**	**.61958**	**.05316**
Stddev	.0042	.00105	.05676	.00021	.00288	.00052
%RSD	.25383	58.758	32.848	.07718	.46465	.98754
#1	1.6737	-.00104	-.13265	.27149	.62161	.05353
#2	1.6677	-.00252	-.21292	.27119	.61754	.05279
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8969.6**	**111610.**	**10288.**
Stddev	23.2	830.	70.
%RSD	.25881	.74411	.67967
#1	8986.0	111020.	10239.
#2	8953.2	112190.	10338.

Sample Name: 280-48439-a-1-gSD@5 Acquired: 11/7/2013 17:35:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**26.186**	**.02423**	**.00421**	**.12686**	**.00203**	**-.00815**	**18.116**	**-.00014**	**.01269**
Stddev	.00002	.043	.00090	.00014	.00002	.00002	.00174	.005	.00019	.00021
%RSD	15.265	.16520	3.7230	3.4082	.01634	1.0094	21.304	.02602	133.66	1.6328
#1	-.00014	26.155	.02359	.00432	.12688	.00204	-.00693	18.113	-.00001	.01254
#2	-.00018	26.216	.02486	.00411	.12685	.00201	-.00938	18.120	-.00028	.01284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02462**	**.04336**	**51.722**	**1.6290**	**.01613**	**1.9342**	**1.0080**	**.00381**	**.76394**	**.01382**
Stddev	.00007	.00058	.189	.0457	.00309	.0086	.0003	.00028	.01708	.00003
%RSD	.28636	1.3367	.36517	2.8059	19.165	.44244	.03237	7.2143	2.2357	.22377
#1	.02457	.04377	51.855	1.6614	.01832	1.9403	1.0083	.00362	.75186	.01380
#2	.02467	.04295	51.588	1.5967	.01395	1.9281	1.0078	.00401	.77601	.01384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41000**	**.03297**	**14.631**	**.00231**	**.00494**	**.33464**	**.71613**	**.11338**	**.12566**	**.01765**
Stddev	.00200	.00011	.013	.00062	.00089	.00268	.00574	.00018	.00006	.00192
%RSD	.48830	.34347	.09162	26.734	17.968	.80190	.80190	.15667	.04942	10.870
#1	.41142	.03289	14.641	.00187	.00431	.33654	.72019	.11325	.12571	.01629
#2	.40859	.03305	14.622	.00275	.00556	.33274	.71207	.11351	.12562	.01901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35420**	**-.00039**	W **-.08733**	**.05743**	**.14084**	**.01282**
Stddev	.00037	.00073	.04306	.00080	.00120	.00042
%RSD	.10519	188.26	49.309	1.3964	.84932	3.2695
#1	.35394	-.00091	-.05688	.05799	.14169	.01252
#2	.35446	.00013	-.11779	.05686	.14000	.01311
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8665.8**	**109170.**	**9568.2**
Stddev	17.2	821.	2.0
%RSD	.19805	.75190	.02115
#1	8653.7	108590.	9569.6
#2	8677.9	109750.	9566.8

Sample Name: 280-48439-a-1-h ms Acquired: 11/7/2013 17:38:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04858**	**241.40**	**.99845**	**.88210**	**2.5078**	**.05472**	F **1.8923**	**117.20**	**.09699**	**.50330**
Stddev	.00028	1.20	.00094	.00097	.0147	.00033	.0067	.65	.00030	.00022
%RSD	.57766	.49596	.09406	.10945	.58692	.60766	.35692	.55363	.31052	.04403
#1	.04878	242.25	.99778	.88142	2.5182	.05495	1.8875	117.66	.09677	.50346
#2	.04838	240.56	.99911	.88278	2.4974	.05448	1.8971	116.74	.09720	.50315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30103**	**.45845**	**233.33**	**57.531**	**1.0106**	**54.104**	**3.5279**	**.83706**	**51.101**	**.50705**
Stddev	.00028	.00159	1.57	.346	.0055	.324	.0460	.00048	.728	.00015
%RSD	.09336	.34786	.67497	.60080	.54408	.59932	1.3035	.05770	1.4247	.03036
#1	.30083	.45732	234.44	57.776	1.0145	53.875	3.5604	.83672	51.616	.50716
#2	.30123	.45957	232.21	57.287	1.0067	54.333	3.4954	.83741	50.586	.50694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.544**	**.56979**	**68.011**	**.12509**	**1.7213**	**3.4637**	**7.4123**	W **2.1954**	**1.4752**	**1.0037**
Stddev	.001	.00217	.046	.00399	.0069	.0157	.0336	.0008	.0090	.0057
%RSD	.00889	.38123	.06817	3.1902	.40154	.45304	.45304	.03484	.61088	.56736
#1	10.545	.57132	67.978	.12791	1.7164	3.4748	7.4361	2.1948	1.4815	.99971
#2	10.543	.56825	68.044	.12227	1.7262	3.4526	7.3886	2.1959	1.4688	1.0078
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5941**	**1.6841**	**1.8731**	**.74301**	**1.0527**	**.53890**
Stddev	.0135	.0051	.0117	.00312	.0043	.00080
%RSD	.52100	.30207	.62209	.41964	.40676	.14803
#1	2.5846	1.6805	1.8648	.74080	1.0497	.53834
#2	2.6037	1.6877	1.8813	.74521	1.0558	.53947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8666.6**	**106820.**	**9954.1**
Stddev	23.1	638.	52.0
%RSD	.26671	.59721	.52259
#1	8650.3	107270.	9917.3
#2	8682.9	106370.	9990.9

Sample Name: 280-48439-a-1-i msd Acquired: 11/7/2013 17:40:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04815**	**256.41**	**.99149**	**.85823**	**2.5515**	**.05731**	F **1.8526**	**114.26**	**.09532**	**.50238**
Stddev	.00111	3.08	.00079	.00197	.0291	.00046	.0037	1.31	.00014	.00083
%RSD	2.2956	1.1994	.08010	.23004	1.1397	.79434	.19757	1.1467	.14196	.16570
#1	.04894	254.24	.99205	.85963	2.5309	.05699	1.8552	113.34	.09542	.50179
#2	.04737	258.59	.99092	.85683	2.5720	.05764	1.8501	115.19	.09522	.50297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66503**	**.49372**	**327.68**	**57.455**	**1.0011**	**54.966**	**6.1504**	**.81281**	**50.566**	**.50033**
Stddev	.00000	.00289	3.96	.757	.0091	.102	.1054	.00031	.345	.00001
%RSD	.00052	.58439	1.2090	1.3182	.91111	.18520	1.7131	.03846	.68294	.00248
#1	.66503	.49576	324.88	56.920	.99467	55.038	6.0759	.81303	50.322	.50034
#2	.66503	.49168	330.48	57.991	1.0076	54.894	6.2249	.81259	50.811	.50032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.146**	**.65650**	**54.163**	**.12230**	**1.6600**	**3.1045**	**6.6436**	W **2.1633**	**1.4532**	**1.0400**
Stddev	.018	.00043	.112	.00051	.0093	.0106	.0226	.0009	.0180	.0145
%RSD	.16110	.06526	.20656	.41847	.55976	.33973	.33973	.04275	1.2386	1.3935
#1	11.159	.65619	54.242	.12266	1.6666	3.0970	6.6276	2.1640	1.4405	1.0502
#2	11.133	.65680	54.084	.12193	1.6535	3.1119	6.6595	2.1627	1.4660	1.0297
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4356**	**1.6404**	**1.8051**	**1.2398**	**1.0543**	**.58313**
Stddev	.0138	.0036	.0149	.0046	.0009	.00914
%RSD	.40015	.22182	.82390	.37466	.08738	1.5677
#1	3.4453	1.6430	1.8156	1.2431	1.0537	.57666
#2	3.4259	1.6378	1.7946	1.2366	1.0550	.58959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8826.7**	**108770.**	**10225.**
Stddev	17.4	34.	114.
%RSD	.19712	.03109	1.1140
#1	8839.0	108790.	10305.
#2	8814.4	108750.	10144.

Sample Name: 280-48439-a-1-gPDS Acquired: 11/7/2013 17:42:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04447**	**120.67**	**.31357**	**.10536**	**.68360**	**.05746**	**-.03716**	**102.13**	**.05134**	**.10415**
Stddev	.00080	.83	.00016	.00056	.00408	.00022	.00003	.64	.00039	.00082
%RSD	1.8017	.68632	.05164	.53025	.59675	.38321	.07169	.62870	.75743	.78701
#1	.04390	121.26	.31346	.10496	.68648	.05761	-.03714	102.59	.05107	.10357
#2	.04504	120.08	.31369	.10576	.68071	.05730	-.03718	101.68	.05162	.10473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15945**	**.25506**	**236.38**	**27.864**	**.16438**	**27.852**	**4.5180**	**.06245**	**24.403**	**.10769**
Stddev	.00056	.00079	1.19	.203	.00241	.028	.0864	.00044	.049	.00056
%RSD	.35383	.31117	.50277	.72738	1.4657	.10009	1.9116	.71139	.20241	.51902
#1	.15905	.25450	237.22	28.007	.16608	27.871	4.5791	.06276	24.438	.10730
#2	.15985	.25562	235.54	27.721	.16267	27.832	4.4569	.06213	24.368	.10809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8700**	**.23546**	**68.489**	**.09557**	**.22205**	**6.1205**	**13.098**	**.58271**	**.62642**	**.26477**
Stddev	.0111	.00015	.072	.00086	.00208	.0263	.056	.00077	.00470	.00380
%RSD	.28699	.06164	.10465	.90319	.93556	.42941	.42941	.13268	.75018	1.4343
#1	3.8622	.23557	68.540	.09496	.22058	6.1391	13.138	.58326	.62974	.26209
#2	3.8779	.23536	68.438	.09618	.22352	6.1019	13.058	.58216	.62310	.26746
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6816**	**.18707**	**.39019**	**.31670**	**.80736**	**.09997**
Stddev	.0036	.00036	.03749	.00029	.00128	.00035
%RSD	.21495	.19405	9.6085	.09243	.15802	.34870
#1	1.6791	.18682	.41670	.31691	.80826	.09973
#2	1.6842	.18733	.36368	.31649	.80646	.10022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8883.3**	**109910.**	**10035.**
Stddev	48.7	425.	22.
%RSD	.54814	.38674	.22222
#1	8848.8	109610.	10019.
#2	8917.7	110210.	10051.

Sample Name: CCVH-2357613 Acquired: 11/7/2013 17:45:12 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00457**	**49.294**	**.00248**	**.00692**	**.00022**	**-.00005**	**.95084**	**.00063**	**-.00041**	**-.00042**	**.00006**	**.01043**	**47.790**
Stddev	.00011	.198	.00132	.00061	.00034	.00006	.00430	.00051	.00031	.00007	.00007	.00059	.549
%RSD	2.3745	.40148	53.261	8.7417	156.19	115.07	.45239	80.937	75.566	15.978	108.82	5.6859	1.1493
#1	.00449	49.154	.00342	.00735	-.00002	-.00009	.95388	.00100	-.00019	-.00046	.00011	.01085	47.402
#2	.00464	49.434	.00155	.00650	.00046	-.00001	.94780	.00027	-.00063	-.00037	.00001	.01001	48.178
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00094**	**.08491**	**.00056**	**.00012**	**246.61**	**-.00004**	**.00059**	**.00190**	**4.8543**	**.00446**	**-.00259**	**.00120**
Stddev	.00267	.00186	.00233	.00009	.00022	.04	.00023	.00048	.00162	.0011	.00105	.00125	.00331
%RSD	562.65	198.11	2.7398	16.323	193.76	.01460	565.25	80.790	85.127	.02228	23.569	48.036	276.61
#1	.00236	-.00038	.08655	.00049	.00027	246.64	.00012	.00093	.00305	4.8550	.00371	-.00347	-.00114
#2	-.00141	.00226	.08326	.00062	-.00004	246.59	-.00021	.00025	.00076	4.8535	.00520	-.00171	.00354
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.00069**	**.00041**	**4.7660**	**-.00736**	**.00163**	**10.156**	**.00143**	**.00099**	**.04177**
Stddev	.00709	.00013	.00010	.0110	.00019	.00047	.089	.00006	.00022	.00445
%RSD	276.61	18.843	23.840	.23171	2.5140	28.737	.87637	4.4444	22.741	10.647
#1	-.00245	.00078	.00048	4.7738	-.00723	.00130	10.219	.00147	.00115	.03862
#2	.00757	.00060	.00034	4.7582	-.00749	.00197	10.093	.00138	.00083	.04491
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8279.2**	**105450.**	**9237.0**
Stddev	7.4	622.	7.2
%RSD	.08959	.59025	.07773
#1	8273.9	105010.	9242.1
#2	8284.4	105890.	9231.9

Sample Name: CCV-2357614 Acquired: 11/7/2013 17:47:35 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47914**	**.50251**	**.94485**	**.48341**	**.48845**	**.47459**	**.00209**	**4.7682**	**.48493**	**.48934**	**.47079**	**.48889**	**2.3282**
Stddev	.00048	.00082	.00263	.00130	.00007	.00169	.00003	.0019	.00036	.00129	.00001	.00031	.0040
%RSD	.10117	.16300	.27878	.26959	.01479	.35528	1.1991	.03887	.07346	.26302	.00271	.06433	.17268
#1	.47948	.50193	.94671	.48433	.48850	.47579	.00208	4.7696	.48518	.48843	.47078	.48912	2.3254
#2	.47879	.50308	.94299	.48249	.48840	.47340	.00211	4.7669	.48467	.49025	.47080	.48867	2.3311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.946**	**.95118**	**18.564**	**.48102**	**.46808**	**4.9325**	**.48084**	**.93613**	**.97346**	**.00584**	**.99226**	**.96450**	**4.6349**
Stddev	.155	.00034	.052	.00047	.00119	.0130	.00133	.00214	.00216	.00373	.00242	.00527	.0040
%RSD	.32273	.03617	.28229	.09737	.25324	.26278	.27626	.22876	.22168	63.928	.24388	.54668	.08732
#1	48.055	.95093	18.527	.48069	.46892	4.9417	.48178	.93461	.97498	.00848	.99397	.96077	4.6378
#2	47.837	.95142	18.601	.48135	.46724	4.9233	.47990	.93764	.97193	.00320	.99055	.96823	4.6320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9187**	**.94128**	**.48242**	**-.00080**	**.48820**	**1.0013**	**.00489**	**.47555**	**.46768**	**.48181**
Stddev	.0087	.00232	.00181	.00054	.00184	.0006	.00222	.00018	.00086	.00154
%RSD	.08732	.24665	.37571	67.502	.37679	.06044	45.486	.03890	.18453	.31979
#1	9.9248	.94292	.48371	-.00118	.48690	1.0017	.00646	.47542	.46829	.48290
#2	9.9125	.93964	.48114	-.00042	.48950	1.0009	.00331	.47568	.46707	.48072
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8442.5**	**107760.**	**9301.1**
Stddev	14.1	430.	24.2
%RSD	.16650	.39868	.26040
#1	8452.4	108060.	9284.0
#2	8432.5	107460.	9318.3

Sample Name: CCB Acquired: 11/7/2013 17:49:44 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00125**	W **.00476**	**.00274**	**-.00004**	**.00002**	**.00239**	**-.00002**	**-.00004**	**.00005**	**.00004**	**-.00044**
Stddev	.00032	.00015	.00060	.00054	.00039	.00002	.00077	.00032	.00002	.00002	.00000	.00072
%RSD	282.89	12.357	12.607	19.845	958.00	110.21	32.062	2041.3	42.648	29.823	4.5641	162.50
#1	.00011	.00114	.00518	.00236	-.00031	.00003	.00294	-.00024	-.00005	.00004	.00004	.00007
#2	-.00034	.00136	.00434	.00312	.00023	.00000	.00185	.00021	-.00003	.00006	.00004	-.00095
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441									
Low Limit			-.00441									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00336**	**.07788**	W **.00313**	**.00347**	**.00002**	**.00048**	**.04849**	**.00000**	**-.00126**	**.00000**	**.00821**	**.00251**
Stddev	.00079	.05153	.00200	.00014	.00002	.00030	.00653	.00003	.00179	.0002	.00205	.00038
%RSD	23.484	66.163	64.001	4.0108	109.04	61.489	13.458	3830.9	142.17	4202.2	25.034	15.249
#1	-.00280	.11432	.00171	.00337	.00000	.00027	.05310	-.00002	.00001	-.00015	.00675	.00278
#2	-.00391	.04145	.00455	.00357	.00003	.00069	.04387	.00002	-.00253	.00014	.00966	.00224
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261									
Low Limit			-.00261									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**-.01601**	**-.03426**	**.00023**	**.00006**	**.00288**	**-.00046**	**-.00055**	**-.01903**	**.00004**	**.00306**	**-.00063**
Stddev	.00207	.01079	.02309	.00015	.00009	.00219	.00026	.00135	.01446	.00020	.00006	.00012
%RSD	76.486	67.390	67.390	64.391	152.32	75.955	55.017	245.28	76.002	475.59	1.9733	19.657
#1	.00417	-.02364	-.05058	.00034	.00000	.00133	-.00028	.00040	-.02925	-.00010	.00301	-.00054
#2	.00124	-.00838	-.01793	.00013	.00012	.00443	-.00064	-.00150	-.00880	.00018	.00310	-.00072
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8442.9**	**108730.**	**9249.2**
Stddev	5.2	131.	88.8
%RSD	.06115	.12063	.95999
#1	8439.2	108640.	9186.4
#2	8446.5	108830.	9311.9

Sample Name: CCVL-2363703 Acquired: 11/7/2013 17:52:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01055**	**.11336**	**.01645**	**.10346**	**.01067**	**.00096**	**.12322**	**.20853**	**.00519**	**.01101**	**.01037**	**.01555**	**.10058**	**3.1790**
Stddev	.00041	.00019	.00068	.00011	.00005	.00003	.00388	.00386	.00009	.00019	.00014	.00055	.00117	.0241
%RSD	3.8776	.16558	4.1564	.10978	.45552	3.3680	3.1526	1.8511	1.7029	1.6913	1.3856	3.5252	1.1647	.75785
#1	.01084	.11323	.01597	.10338	.01070	.00098	.12047	.20580	.00512	.01088	.01026	.01594	.10141	3.1619
#2	.01026	.11349	.01693	.10354	.01063	.00094	.12596	.21126	.00525	.01114	.01047	.01517	.09975	3.1960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01216**	**.21265**	**.01075**	**.01940**	**1.1052**	**.04271**	**2.9589**	**.01052**	**.00728**	**.01105**	**.01656**	**.47080**	**1.0075**	**.10330**
Stddev	.00280	.00177	.00013	.00002	.0053	.00042	.0110	.00045	.00321	.00095	.00090	.00673	.0144	.00064
%RSD	23.017	.83257	1.1858	.10113	.48422	.97542	.37071	4.2851	44.111	8.6253	5.4144	1.4301	1.4301	.61860
#1	.01413	.21391	.01066	.01938	1.1090	.04300	2.9666	.01084	.00501	.01173	.01719	.47556	1.0177	.10375
#2	.01018	.21140	.01084	.01941	1.1014	.04242	2.9511	.01020	.00955	.01038	.01592	.46604	.99732	.10285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01042**	**.01731**	**.00997**	**.01735**	**.05142**	**.01025**	**.02234**	**.01449**
Stddev	.00013	.00063	.00014	.00051	.01406	.00038	.00032	.00292
%RSD	1.2531	3.6475	1.4169	2.9347	27.346	3.7187	1.4546	20.170
#1	.01032	.01687	.01007	.01771	.06136	.01052	.02211	.01243
#2	.01051	.01776	.00988	.01699	.04147	.00998	.02257	.01656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8572.9**	**110490.**	**9270.7**
Stddev	16.6	1017.	97.7
%RSD	.19396	.92042	1.0538
#1	8584.7	111210.	9339.8
#2	8561.2	109770.	9201.6

Sample Name: 280-48439-a-2-c Acquired: 11/7/2013 17:54:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**161.61**	**.01520**	**.00405**	**.16740**	**.00334**	**-.02623**	**2.9233**	**-.00089**	**.04786**
Stddev	.00008	.14	.00284	.00045	.00034	.00001	.00195	.0113	.00021	.00002
%RSD	16.345	.08509	18.659	11.088	.20337	.21999	7.4439	.38499	23.669	.05099
#1	-.00043	161.71	.01721	.00437	.16764	.00334	-.02485	2.9154	-.00103	.04787
#2	-.00055	161.51	.01320	.00374	.16716	.00333	-.02761	2.9313	-.00074	.04784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07002**	**.08184**	**159.76**	**4.0552**	**.03202**	**5.7896**	**.88869**	**.00394**	**.73728**	**.02549**
Stddev	.00051	.00024	.64	.0101	.00402	.0063	.00294	.00007	.02265	.00026
%RSD	.72819	.28758	.40067	.24781	12.567	.10882	.33098	1.7205	3.0714	1.0291
#1	.07038	.08200	160.21	4.0623	.03487	5.7852	.88661	.00390	.75329	.02568
#2	.06966	.08167	159.30	4.0480	.02918	5.7941	.89077	.00399	.72127	.02531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54825**	**.09755**	**1.7697**	**.00115**	**.00053**	**1.9067**	**4.0803**	**.00744**	**.04798**	**.10291**
Stddev	.00439	.00088	.0086	.00148	.00012	.0073	.0157	.00087	.00027	.00294
%RSD	.79996	.90251	.48471	128.81	22.272	.38493	.38493	11.758	.55375	2.8554
#1	.55135	.09817	1.7757	.00010	.00061	1.9015	4.0692	.00682	.04779	.10084
#2	.54515	.09693	1.7636	.00220	.00045	1.9119	4.0914	.00806	.04817	.10499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67975**	**-.00245**	W **-.08510**	**.26484**	**.18090**	**.04295**
Stddev	.00241	.00024	.02034	.00111	.00053	.00140
%RSD	.35509	9.9667	23.900	.42035	.29136	3.2511
#1	.67804	-.00263	-.07072	.26406	.18052	.04393
#2	.68146	-.00228	-.09949	.26563	.18127	.04196
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8755.3**	**106710.**	**9548.1**
Stddev	13.8	762.	27.5
%RSD	.15724	.71447	.28749
#1	8765.1	106170.	9567.5
#2	8745.6	107250.	9528.7

Sample Name: 280-48439-a-3-c Acquired: 11/7/2013 17:56:34 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**142.45**	**.02156**	**.00354**	**.39573**	**.00369**	**-.02377**	**1.5585**	**-.00079**	**.01632**
Stddev	.00086	.30	.00008	.00011	.00117	.00004	.00181	.0023	.00045	.00007
%RSD	68.145	.21358	.36025	3.1668	.29496	1.0432	7.6122	.14814	56.872	.40449
#1	-.00187	142.67	.02161	.00346	.39655	.00372	-.02249	1.5601	-.00047	.01637
#2	-.00065	142.24	.02150	.00362	.39490	.00366	-.02505	1.5568	-.00110	.01628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07787**	**.12929**	**163.96**	**3.9993**	**.03524**	**4.3341**	**.72905**	**.00403**	**.82317**	**.01819**
Stddev	.00023	.00007	.36	.0204	.00065	.0237	.00043	.00041	.00934	.00002
%RSD	.29447	.05746	.22147	.51063	1.8331	.54608	.05901	10.177	1.1348	.11621
#1	.07771	.12934	164.21	4.0137	.03478	4.3508	.72936	.00374	.81656	.01818
#2	.07803	.12924	163.70	3.9848	.03570	4.3173	.72875	.00432	.82977	.01821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92790**	**.07346**	**2.7466**	**.00361**	**-.00026**	**1.9329**	**4.1364**	**.00914**	**.02615**	**.07579**
Stddev	.00307	.00052	.0020	.00037	.00319	.0356	.0763	.00033	.00003	.00105
%RSD	.33103	.70518	.07192	10.231	1231.3	1.8437	1.8437	3.5776	.11971	1.3794
#1	.92573	.07309	2.7452	.00335	.00199	1.9581	4.1903	.00938	.02613	.07653
#2	.93007	.07383	2.7480	.00387	-.00251	1.9077	4.0825	.00891	.02617	.07505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66744**	**-.00235**	F **-.11909**	**.25051**	**.22413**	**.06662**
Stddev	.00054	.00059	.00282	.00025	.00164	.00321
%RSD	.08034	24.871	2.3687	.09957	.73314	4.8216
#1	.66782	-.00194	-.12108	.25033	.22529	.06435
#2	.66706	-.00277	-.11709	.25069	.22297	.06890
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9414.1**	**114620.**	**10378.**
Stddev	3.5	323.	4.
%RSD	.03710	.28150	.03535
#1	9416.6	114390.	10376.
#2	9411.6	114850.	10381.

Sample Name: 280-48439-a-4-c Acquired: 11/7/2013 17:58:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**166.95**	**.01589**	**.00104**	**2.0518**	**.00625**	**-.04099**	**4.8589**	**-.00093**	**.02677**
Stddev	.00019	.13	.00226	.00066	.0035	.00003	.00097	.0061	.00001	.00002
%RSD	16.542	.07571	14.220	63.398	.17277	.46812	2.3765	.12588	.80367	.08760
#1	-.00099	167.04	.01749	.00057	2.0543	.00627	-.04030	4.8632	-.00093	.02679
#2	-.00126	166.86	.01429	.00151	2.0493	.00623	-.04168	4.8546	-.00092	.02675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05437**	**.06673**	**240.41**	**5.0135**	**.02526**	**6.6437**	**9.1664**	**.00282**	**.31854**	**.01377**
Stddev	.00002	.00088	.71	.0076	.00152	.0516	.1363	.00016	.01725	.00027
%RSD	.03336	1.3147	.29555	.15207	6.0159	.77620	1.4867	5.8459	5.4149	1.9316
#1	.05435	.06735	240.92	5.0081	.02634	6.6802	9.2627	.00293	.33074	.01358
#2	.05438	.06611	239.91	5.0189	.02419	6.6073	9.0700	.00270	.30635	.01396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4383**	**.36144**	**1.4522**	**.00061**	**.00010**	**1.7816**	**3.8126**	**.01225**	**.04734**	**.08627**
Stddev	.0015	.00020	.0035	.00075	.00038	.0940	.2011	.00045	.00018	.00156
%RSD	.10208	.05501	.23951	123.20	365.09	5.2735	5.2735	3.6782	.38283	1.8070
#1	1.4373	.36130	1.4497	.00114	-.00016	1.8480	3.9548	.01257	.04746	.08737
#2	1.4394	.36158	1.4547	.00008	.00037	1.7152	3.6704	.01193	.04721	.08516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2312**	**-.00687**	F **-.24771**	**.27035**	**.30496**	**.04563**
Stddev	.0061	.00008	.00438	.00166	.00086	.00132
%RSD	.49869	1.1723	1.7668	.61345	.28200	2.9017
#1	1.2355	-.00681	-.25081	.27153	.30557	.04657
#2	1.2268	-.00693	-.24462	.26918	.30435	.04469
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9652.9**	**119090.**	**10677.**
Stddev	17.3	953.	37.
%RSD	.17939	.80054	.34391
#1	9640.7	118410.	10651.
#2	9665.2	119760.	10703.

Sample Name: 280-48439-a-5-c Acquired: 11/7/2013 18:01:11 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**92.162**	**.01369**	**.00096**	**.13855**	**.00133**	**-.01436**	**1.1804**	**-.00054**	**.00965**
Stddev	.00018	.289	.00196	.00075	.00009	.00009	.00151	.0031	.00000	.00010
%RSD	22.856	.31325	14.290	78.300	.06810	6.8797	10.550	.26024	.59446	1.0272
#1	-.00067	91.958	.01231	.00043	.13861	.00126	-.01543	1.1826	-.00054	.00972
#2	-.00093	92.366	.01507	.00150	.13848	.00139	-.01329	1.1782	-.00054	.00958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09278**	**.11147**	**103.67**	**2.6313**	**.02532**	**1.8060**	**.30729**	**.00426**	**.41820**	**.01082**
Stddev	.00010	.00056	.18	.0688	.00002	.0038	.00048	.00036	.00134	.00014
%RSD	.11037	.50457	.17526	2.6135	.08220	.20846	.15680	8.3951	.32018	1.2785
#1	.09285	.11187	103.80	2.5827	.02533	1.8086	.30763	.00451	.41725	.01092
#2	.09270	.11108	103.54	2.6799	.02530	1.8033	.30695	.00401	.41915	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24771**	**.06516**	**2.1385**	**.00015**	**.00381**	**2.1741**	**4.6527**	**.00507**	**.01869**	**.06578**
Stddev	.00122	.00073	.0118	.00072	.00335	.0631	.1349	.00038	.00000	.00153
%RSD	.49312	1.1151	.54932	478.72	87.976	2.9004	2.9004	7.4080	.00345	2.3246
#1	.24685	.06465	2.1302	-.00036	.00618	2.1296	4.5573	.00480	.01869	.06470
#2	.24858	.06567	2.1468	.00066	.00144	2.2187	4.7481	.00533	.01869	.06687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29058**	**-.00198**	F **-.11143**	**.27667**	**.07862**	**.05481**
Stddev	.00002	.00097	.03725	.00048	.00029	.00082
%RSD	.00799	49.016	33.427	.17228	.36963	1.4989
#1	.29056	-.00267	-.13777	.27701	.07841	.05423
#2	.29060	-.00129	-.08509	.27634	.07882	.05539
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9102.3**	**112440.**	**10055.**
Stddev	23.4	4.	20.
%RSD	.25742	.00386	.20202
#1	9085.7	112430.	10069.
#2	9118.8	112440.	10040.

Sample Name: 280-48439-a-6-c Acquired: 11/7/2013 18:03:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**140.25**	**.29501**	**.00632**	**7.0444**	**.00536**	W **-.05117**	**4.7925**	**.00107**	**.03568**
Stddev	.00035	.65	.00247	.00046	.0322	.00004	.00328	.0322	.00013	.00014
%RSD	210.00	.46669	.83846	7.2965	.45725	.81262	6.4148	.67244	12.326	.38130
#1	.00008	139.79	.29676	.00664	7.0217	.00533	-.04885	4.7697	.00098	.03578
#2	-.00042	140.72	.29326	.00599	7.0672	.00539	-.05349	4.8153	.00116	.03559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05747**	**.09524**	**228.73**	**4.5229**	**.04527**	**6.9448**	W **14.561**	**.02175**	**.33556**	**.03262**
Stddev	.00009	.00081	1.01	.0131	.00088	.0384	.153	.00025	.00773	.00012
%RSD	.16359	.85262	.44091	.28883	1.9387	.55217	1.0493	1.1309	2.3040	.37507
#1	.05741	.09581	228.02	4.5137	.04589	6.9719	14.453	.02192	.33009	.03253
#2	.05754	.09466	229.44	4.5321	.04465	6.9177	14.669	.02157	.34103	.03270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.0105**	**.20034**	**2.1520**	**.00256**	**.00612**	**1.8512**	**3.9615**	**.00879**	**.33415**	**.09036**
Stddev	.0115	.00147	.0052	.00182	.00126	.0809	.1731	.00047	.00088	.00281
%RSD	.38164	.73472	.24142	71.324	20.674	4.3693	4.3693	5.3907	.26348	3.1148
#1	3.0186	.20138	2.1557	.00384	.00701	1.7940	3.8391	.00845	.33353	.09235
#2	3.0024	.19930	2.1484	.00127	.00522	1.9084	4.0839	.00912	.33477	.08837
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86378**	**-.00588**	F **-.24608**	**.32017**	**.28769**	**.03420**
Stddev	.00009	.00036	.02201	.00164	.00242	.00059
%RSD	.01022	6.1277	8.9432	.51242	.84146	1.7309
#1	.86372	-.00563	-.23052	.32133	.28940	.03378
#2	.86384	-.00614	-.26164	.31901	.28598	.03461
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8803.1**	**109000.**	**9762.4**
Stddev	12.1	252.	15.3
%RSD	.13784	.23073	.15710
#1	8794.5	109180.	9751.6
#2	8811.7	108820.	9773.3

Sample Name: 280-48439-a-7-c Acquired: 11/7/2013 18:05:52 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**110.88**	**.01480**	**.00069**	**.30496**	**.00570**	**-.01094**	**1.8653**	**-.00025**	**.04579**
Stddev	.00020	.54	.00098	.00050	.00192	.00003	.00089	.0110	.00003	.00023
%RSD	17.565	.48594	6.6490	72.101	.62892	.61394	8.1064	.59148	11.851	.51270
#1	-.00131	110.50	.01411	.00104	.30361	.00572	-.01031	1.8575	-.00027	.04562
#2	-.00102	111.26	.01550	.00034	.30632	.00567	-.01157	1.8731	-.00023	.04595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06658**	**.05893**	**90.983**	**4.6449**	**.02241**	**13.472**	**3.9992**	**.00090**	**.25750**	**.01930**
Stddev	.00035	.00031	.509	.0332	.00177	.078	.0451	.00019	.00758	.00032
%RSD	.52189	.53084	.55983	.71425	7.9094	.57601	1.1270	21.009	2.9439	1.6411
#1	.06633	.05915	90.623	4.6215	.02116	13.417	3.9673	.00104	.25214	.01952
#2	.06683	.05871	91.343	4.6684	.02367	13.527	4.0311	.00077	.26286	.01908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70529**	**.06611**	**.57744**	**-.00106**	**-.00070**	**1.8930**	**4.0510**	**.00897**	**.02129**	**.07175**
Stddev	.00308	.00030	.00480	.00057	.00187	.0105	.0224	.00021	.00000	.00015
%RSD	.43740	.45631	.83093	54.129	267.49	.55253	.55253	2.3618	.02263	.20939
#1	.70311	.06633	.57405	-.00146	-.00202	1.8856	4.0351	.00882	.02130	.07185
#2	.70747	.06590	.58083	-.00065	.00062	1.9004	4.0668	.00912	.02129	.07164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7328**	**-.00305**	F **-.29025**	**.20935**	**.27126**	**.02745**
Stddev	.0062	.00133	.02528	.00181	.00151	.00193
%RSD	.35894	43.649	8.7095	.86260	.55487	7.0285
#1	1.7284	-.00211	-.27238	.20808	.27020	.02609
#2	1.7372	-.00399	-.30813	.21063	.27233	.02881
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**10730.**	**132170.**	**11834.**
Stddev	33.	474.	7.
%RSD	.30556	.35885	.06337
#1	10753.	132510.	11829.
#2	10707.	131840.	11839.

Sample Name: 280-48439-a-8-c Acquired: 11/7/2013 18:08:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**124.57**	**.16554**	**.02101**	**3.5150**	**.01318**	**-.02382**	**22.134**	**.00116**	**.05294**
Stddev	.00028	.19	.00012	.00043	.0052	.00002	.00189	.031	.00014	.00022
%RSD	41.107	.15386	.07046	2.0597	.14767	.12203	7.9412	.14225	11.871	.40718
#1	-.00049	124.44	.16546	.02070	3.5113	.01316	-.02249	22.112	.00107	.05309
#2	-.00089	124.71	.16563	.02131	3.5187	.01319	-.02516	22.156	.00126	.05279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22351**	**.38598**	**148.35**	**12.599**	**.08860**	**11.797**	**1.7867**	**.01230**	**1.8778**	**.08359**
Stddev	.00064	.00003	.20	.026	.00229	.047	.0043	.00002	.0063	.00058
%RSD	.28600	.00665	.13298	.20345	2.5816	.39584	.24002	.17414	.33478	.69665
#1	.22306	.38600	148.49	12.581	.09022	11.830	1.7897	.01231	1.8822	.08318
#2	.22397	.38596	148.21	12.617	.08698	11.764	1.7837	.01228	1.8733	.08400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5393**	**.17868**	**2.1576**	**.00194**	**.00495**	**1.8757**	**4.0140**	**.01199**	**.54177**	**.06592**
Stddev	.0036	.00204	.0064	.00150	.00049	.0448	.0959	.00058	.00107	.00145
%RSD	.10082	1.1390	.29747	77.324	9.9117	2.3886	2.3886	4.7953	.19727	2.1977
#1	3.5368	.17724	2.1530	.00088	.00530	1.8440	3.9462	.01158	.54101	.06489
#2	3.5419	.18012	2.1621	.00300	.00461	1.9074	4.0818	.01240	.54252	.06694
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9977**	**.00023**	F **-.22374**	**.37217**	**.55688**	**.06200**
Stddev	.0052	.00048	.00242	.00108	.00137	.00145
%RSD	.26086	209.46	1.0826	.28904	.24514	2.3323
#1	2.0014	.00057	-.22545	.37293	.55784	.06098
#2	1.9940	-.00011	-.22203	.37141	.55591	.06302
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9442.2**	**117730.**	**10554.**
Stddev	33.3	308.	73.
%RSD	.35250	.26180	.69490
#1	9465.8	117940.	10502.
#2	9418.7	117510.	10606.

Sample Name: CCVH-2357613 Acquired: 11/7/2013 18:10:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00460**	**49.112**	**.00273**	**.00510**	**.00023**	**-.00006**	W **.94707**	**-.00010**	**-.00046**	**-.00066**	**-.00007**	**.01024**
Stddev	.00089	.067	.00002	.00045	.00031	.00001	.00144	.00042	.00016	.00004	.00000	.00016
%RSD	19.274	.13697	.62408	8.9148	135.50	17.908	.15221	414.81	34.817	5.4017	5.8595	1.5464
#1	.00523	49.064	.00274	.00478	.00001	-.00007	.94605	-.00040	-.00035	-.00069	-.00007	.01035
#2	.00397	49.159	.00272	.00542	.00045	-.00005	.94809	.00019	-.00058	-.00064	-.00007	.01013
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.421**	**.01391**	**.00428**	**.08375**	**.00054**	**-.00011**	**245.32**	**-.00020**	**.00236**	**.00115**	**4.8391**	**.00247**
Stddev	.405	.03517	.00291	.00228	.00010	.00008	.88	.00013	.00042	.00097	.0030	.00211
%RSD	.85482	252.94	68.083	2.7179	18.390	69.853	.35726	62.333	17.815	84.250	.06275	85.269
#1	47.135	-.01097	.00633	.08536	.00047	-.00017	244.70	-.00029	.00266	.00047	4.8412	.00098
#2	47.708	.03878	.00222	.08214	.00062	-.00006	245.94	-.00011	.00207	.00184	4.8369	.00396
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00297**	**-.00635**	**-.00053**	**.00037**	**4.8073**	**-.00680**	**.00160**	**10.232**	**.00082**	**.00118**	**.03415**
Stddev	.00340	.00240	.00514	.00008	.00007	.0006	.00072	.00029	.060	.00021	.00001	.00106
%RSD	6682.4	80.864	80.864	16.019	19.487	.01304	10.563	18.135	.58736	25.809	1.1199	3.0928
#1	.00245	-.00466	-.00998	-.00047	.00032	4.8078	-.00629	.00180	10.275	.00097	.00119	.03340
#2	-.00235	-.00127	-.00272	-.00059	.00042	4.8069	-.00730	.00139	10.190	.00067	.00117	.03490
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8234.6**	**104100.**	**9188.3**
Stddev	36.2	357.	7.9
%RSD	.43913	.34280	.08597
#1	8209.1	103850.	9193.9
#2	8260.2	104350.	9182.8

Sample Name: CCV-2357614 Acquired: 11/7/2013 18:12:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47841**	**.50096**	**.94727**	**.47831**	**.48893**	**.47142**	**-.00041**	**4.7559**	**.48384**	**.48764**	**.47011**	**.48594**	**2.3327**
Stddev	.00084	.00036	.00078	.00078	.00080	.00009	.00291	.0043	.00065	.00135	.00126	.00248	.0005
%RSD	.17539	.07159	.08197	.16406	.16409	.01813	708.60	.09114	.13494	.27749	.26701	.51037	.01986
#1	.47781	.50071	.94672	.47776	.48950	.47136	-.00247	4.7529	.48338	.48669	.46923	.48419	2.3324
#2	.47900	.50121	.94782	.47887	.48837	.47148	.00165	4.7590	.48430	.48860	.47100	.48770	2.3331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.905**	**.94659**	**18.663**	**.48127**	**.46745**	**4.9038**	**.47938**	**.93244**	**.97215**	**-.00278**	**.98970**	**.95863**	**4.6238**
Stddev	.038	.00160	.052	.00157	.00224	.0044	.00120	.00450	.00529	.00442	.00593	.00219	.0109
%RSD	.08017	.16905	.27724	.32632	.47981	.08946	.25087	.48228	.54419	159.22	.59899	.22863	.23482
#1	47.932	.94772	18.627	.48016	.46904	4.9069	.48023	.93562	.97589	.00035	.99390	.96018	4.6315
#2	47.878	.94546	18.700	.48238	.46587	4.9007	.47853	.92926	.96841	-.00591	.98551	.95708	4.6161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8949**	**.94127**	**.48202**	**-.00137**	**.48634**	**1.0017**	**-.02753**	**.47385**	**.46874**	**.48120**
Stddev	.0232	.00133	.00049	.00143	.00067	.0017	.04179	.00048	.00137	.00038
%RSD	.23482	.14178	.10065	104.61	.13727	.16914	151.82	.10200	.29200	.07981
#1	9.9113	.94221	.48236	-.00036	.48587	1.0029	-.05708	.47351	.46777	.48147
#2	9.8785	.94033	.48168	-.00238	.48681	1.0005	.00202	.47419	.46971	.48093
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8400.5**	**107100.**	**9150.5**
Stddev	3.6	414.	38.5
%RSD	.04254	.38698	.42121
#1	8403.0	107390.	9123.2
#2	8397.9	106810.	9177.8

Sample Name: CCB Acquired: 11/7/2013 18:14:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00066**	**-.00177**	**.00117**	**-.00002**	**-.00008**	**.00080**	**-.00088**	**.00000**	**.00020**	**.00014**	**-.00086**
Stddev	.00006	.00022	.00036	.00006	.00002	.00000	.00074	.00354	.00004	.00005	.00002	.00019
%RSD	21.171	33.472	20.416	5.2704	82.935	4.9033	93.557	404.36	10663.	24.407	13.805	21.672
#1	.00022	.00082	-.00151	.00113	-.00003	-.00008	.00132	.00163	-.00003	.00023	.00016	-.00073
#2	.00030	.00050	-.00203	.00122	-.00001	-.00009	.00027	-.00338	.00003	.00016	.00013	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.02280**	**.00243**	**-.00150**	**.00004**	**.00035**	**.00800**	**.00016**	**-.00073**	**.00110**	**.00282**	W **.00383**
Stddev	.00094	.03618	.00495	.00377	.00002	.00023	.00179	.00004	.00024	.00090	.00089	.00216
%RSD	48.384	158.65	203.48	250.78	38.472	65.063	22.366	26.119	33.582	82.320	31.725	56.533
#1	-.00261	-.00278	.00594	-.00417	.00005	.00051	.00927	.00013	-.00056	.00046	.00345	.00230
#2	-.00128	.04838	-.00107	.00116	.00003	.00019	.00674	.00019	-.00090	.00174	.00219	.00536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00714**	**-.01527**	**.00047**	**.00000**	**.00325**	**-.00008**	**.00013**	**-.04705**	**.00026**	**.00303**	**-.00052**
Stddev	.00183	.01662	.03557	.00010	.00005	.00018	.00014	.00005	.02078	.00024	.00023	.00034
%RSD	308.06	232.95	232.95	20.750	4782.8	5.6143	168.05	38.274	44.154	94.902	7.5192	66.070
#1	-.00070	-.01889	-.04042	.00040	-.00004	.00338	.00002	.00017	-.06174	.00008	.00319	-.00076
#2	.00189	.00462	.00988	.00054	.00004	.00312	-.00018	.00010	-.03236	.00043	.00286	-.00028
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8414.3**	**108240.**	**9132.6**
Stddev	.7	137.	.2
%RSD	.00830	.12701	.00198
#1	8414.8	108140.	9132.4
#2	8413.8	108340.	9132.7

Sample Name: CCVL-2363703 Acquired: 11/7/2013 18:17:12 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.11389**	**.01716**	**.10292**	**.01066**	**.00096**	**.12330**	**.20718**	**.00523**	**.01095**	**.01037**	**.01570**	**.09822**
Stddev	.00016	.00032	.00133	.00143	.00022	.00004	.00017	.00191	.00000	.00018	.00013	.00002	.00007
%RSD	1.4888	.27813	7.7300	1.3913	2.0935	4.2436	.14067	.92078	.01832	1.6755	1.2403	.09700	.07632
#1	.01102	.11367	.01622	.10190	.01050	.00099	.12318	.20584	.00523	.01108	.01027	.01571	.09827
#2	.01079	.11411	.01810	.10393	.01082	.00093	.12342	.20853	.00523	.01082	.01046	.01568	.09817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1891**	**.01252**	**.21372**	**.01069**	**.01944**	**1.0745**	**.04237**	**2.9520**	**.01032**	**.00247**	**.01159**	**.01650**	**.48478**
Stddev	.0111	.00115	.00121	.00004	.00018	.0083	.00026	.0049	.00118	.00182	.00342	.00027	.01759
%RSD	.34751	9.1501	.56662	.39694	.91998	.77257	.62329	.16707	11.475	73.569	29.481	1.6232	3.6291
#1	3.1970	.01171	.21458	.01072	.01957	1.0804	.04255	2.9485	.00949	.00375	.00917	.01669	.49722
#2	3.1813	.01333	.21287	.01066	.01931	1.0686	.04218	2.9555	.01116	.00118	.01400	.01631	.47234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0374**	**.10243**	**.01037**	**.01924**	**.01003**	**.01725**	F **.03058**	**.00997**	**.02261**	**.01603**
Stddev	.0377	.00017	.00013	.00062	.00052	.00031	.01992	.00013	.00024	.00090
%RSD	3.6291	.16399	1.2799	3.2287	5.2256	1.7921	65.135	1.2941	1.0705	5.5913
#1	1.0640	.10231	.01028	.01880	.01040	.01747	.04466	.01006	.02244	.01667
#2	1.0108	.10255	.01046	.01967	.00966	.01703	.01649	.00988	.02278	.01540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8608.1**	**109690.**	**9281.8**
Stddev	20.2	428.	12.1
%RSD	.23420	.39045	.13021
#1	8622.4	109990.	9290.3
#2	8593.9	109380.	9273.2

Sample Name: 280-48439-a-9-c Acquired: 11/7/2013 18:19:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**154.57**	**.01315**	**-.00090**	**.32366**	**.01345**	W **-.06339**	**7.2668**	**-.00158**	**.06154**
Stddev	.00015	.15	.00018	.00014	.00062	.00008	.00005	.0075	.00019	.00019
%RSD	13.164	.09411	1.3746	15.660	.19132	.57421	.08573	.10257	12.213	.31025
#1	-.00124	154.68	.01302	-.00080	.32410	.01339	-.06343	7.2720	-.00172	.06167
#2	-.00103	154.47	.01328	-.00100	.32322	.01350	-.06335	7.2615	-.00144	.06140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06668**	**.32865**	**426.21**	**1.6576**	**.03084**	**10.473**	**1.0273**	**.00357**	**.48358**	**.02479**
Stddev	.00014	.00025	.10	.0086	.00170	.052	.0011	.00000	.00590	.00029
%RSD	.20736	.07729	.02386	.52053	5.5232	.50039	.10293	.13838	1.2191	1.1684
#1	.06658	.32883	426.28	1.6515	.02964	10.435	1.0266	.00357	.48774	.02499
#2	.06678	.32847	426.14	1.6637	.03205	10.510	1.0281	.00357	.47941	.02458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6979**	**.12720**	**.81381**	**.00781**	**.00003**	**1.9832**	**4.2440**	**.01510**	**.09292**	**.09743**
Stddev	.0049	.00030	.00132	.00103	.00016	.0266	.0570	.00016	.00018	.00204
%RSD	.13316	.23380	.16166	13.202	601.52	1.3418	1.3418	1.0602	.19127	2.0919
#1	3.6944	.12699	.81288	.00854	-.00009	1.9644	4.2038	.01499	.09305	.09598
#2	3.7014	.12741	.81474	.00708	.00014	2.0020	4.2843	.01521	.09280	.09887
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9853**	W **-.01019**	F **-.16723**	**1.4302**	**.32637**	**.05587**
Stddev	.0075	.00071	.00510	.0032	.00115	.00137
%RSD	.18894	6.9910	3.0504	.22371	.35249	2.4600
#1	3.9906	-.01069	-.17084	1.4325	.32556	.05490
#2	3.9800	-.00969	-.16362	1.4279	.32718	.05684
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9495.2**	**116860.**	**10561.**
Stddev	19.6	215.	9.
%RSD	.20618	.18436	.08628
#1	9481.3	116710.	10555.
#2	9509.0	117010.	10568.

Sample Name: 280-48439-a-10-c Acquired: 11/7/2013 18:21:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00207**	**132.26**	**.00735**	**.00169**	**.16769**	**.00434**	**-.01840**	**3.2848**	**-.00047**	**.06723**
Stddev	.00074	.70	.00018	.00072	.00058	.00015	.00074	.0279	.00013	.00028
%RSD	35.790	.52649	2.3881	42.807	.34438	3.4286	4.0480	.84883	28.088	.42088
#1	-.00155	132.75	.00748	.00118	.16810	.00445	-.01892	3.3045	-.00038	.06703
#2	-.00260	131.77	.00723	.00220	.16728	.00424	-.01787	3.2650	-.00057	.06743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07327**	**.06300**	**131.94**	**3.3085**	**.02705**	**10.924**	**3.7747**	**.00262**	**.23345**	**.02451**
Stddev	.00014	.00054	.45	.0345	.00039	.031	.0205	.00016	.00314	.00022
%RSD	.19395	.85097	.33971	1.0411	1.4429	.28039	.54252	6.0520	1.3449	.88495
#1	.07317	.06262	132.25	3.3329	.02677	10.903	3.7603	.00274	.23123	.02467
#2	.07337	.06338	131.62	3.2842	.02732	10.946	3.7892	.00251	.23567	.02436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4177**	**.12100**	**.41926**	**-.00155**	**-.00014**	**1.9963**	**4.2720**	**.01012**	**.02978**	**.09019**
Stddev	.0053	.00186	.00023	.00100	.00264	.0751	.1608	.00008	.00026	.00290
%RSD	.37240	1.5332	.05405	64.601	1850.1	3.7630	3.7630	.79450	.86327	3.2109
#1	1.4139	.11969	.41910	-.00226	-.00201	2.0494	4.3857	.01017	.02996	.08815
#2	1.4214	.12231	.41942	-.00084	.00173	1.9432	4.1584	.01006	.02959	.09224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7332**	**-.00406**	F **-.12147**	**.26890**	**.32867**	**.03318**
Stddev	.0095	.00071	.00540	.00150	.00183	.00036
%RSD	.55095	17.352	4.4425	.55753	.55817	1.0770
#1	1.7265	-.00456	-.12529	.26784	.32737	.03293
#2	1.7400	-.00357	-.11765	.26996	.32997	.03344
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8941.4**	**110180.**	**9816.4**
Stddev	9.6	448.	61.6
%RSD	.10748	.40678	.62722
#1	8934.6	110500.	9772.9
#2	8948.2	109860.	9860.0

Sample Name: 280-48643-a-1-c Acquired: 11/7/2013 18:24:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**186.95**	**.02125**	**.00043**	**.16589**	**.00447**	**-.04150**	**3.7030**	**-.00127**	**.03260**
Stddev	.00035	1.08	.00156	.00079	.00114	.00011	.00211	.0292	.00026	.00001
%RSD	84.874	.57808	7.3321	180.87	.68584	2.4282	5.0937	.78975	20.739	.03589
#1	-.00067	187.71	.02235	-.00012	.16669	.00455	-.04001	3.7236	-.00108	.03260
#2	-.00017	186.18	.02015	.00099	.16508	.00439	-.04300	3.6823	-.00145	.03261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13272**	**.25404**	**259.64**	**2.8005**	**.03703**	**6.8965**	**1.0444**	**.01228**	**.25868**	**.02243**
Stddev	.00002	.00035	1.65	.0324	.00310	.0042	.0021	.00022	.00182	.00002
%RSD	.01340	.13682	.63582	1.1571	8.3716	.06081	.20388	1.7783	.70218	.08903
#1	.13270	.25379	260.80	2.8234	.03484	6.8995	1.0429	.01213	.25996	.02245
#2	.13273	.25428	258.47	2.7776	.03922	6.8936	1.0459	.01244	.25739	.02242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95389**	**.09085**	**1.1015**	**.00323**	**.00203**	**2.3552**	**5.0402**	**.00884**	**.05915**	**.08299**
Stddev	.00206	.00050	.0048	.00367	.00556	.0554	.1185	.00042	.00052	.00320
%RSD	.21569	.54562	.43978	113.66	273.44	2.3504	2.3504	4.7459	.87152	3.8536
#1	.95244	.09050	1.0981	.00582	-.00190	2.3944	5.1239	.00914	.05951	.08073
#2	.95535	.09120	1.1050	.00063	.00597	2.3161	4.9564	.00854	.05878	.08525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2544**	**-.00688**	**-.04959**	**.87946**	**.15637**	**.06369**
Stddev	.0045	.00010	.03970	.00062	.00031	.00249
%RSD	.35944	1.4427	80.058	.07092	.19691	3.9062
#1	1.2512	-.00681	-.02152	.87902	.15658	.06545
#2	1.2576	-.00695	-.07766	.87990	.15615	.06193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8822.2**	**108170.**	**9703.4**
Stddev	21.8	10.	142.7
%RSD	.24715	.00944	1.4707
#1	8806.8	108160.	9602.4
#2	8837.6	108170.	9804.3

Sample Name: 280-48643-a-2-c Acquired: 11/7/2013 18:26:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**120.95**	**.01269**	**.00461**	**.22251**	**.00179**	**-.01893**	**5.7732**	**-.00084**	**.01465**
Stddev	.00025	.63	.00196	.00000	.00074	.00004	.00146	.0169	.00005	.00009
%RSD	35.669	.52472	15.427	.04057	.33308	2.1196	7.7392	.29271	6.3403	.60081
#1	-.00089	121.40	.01408	.00461	.22304	.00182	-.01996	5.7851	-.00088	.01471
#2	-.00053	120.50	.01131	.00461	.22199	.00177	-.01789	5.7612	-.00081	.01459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10640**	**.14039**	**125.48**	**4.0926**	**.03736**	**3.6232**	**.51963**	**.00401**	**.35711**	**.01852**
Stddev	.00015	.00106	.32	.0580	.00046	.0018	.00173	.00017	.01724	.00003
%RSD	.13837	.75362	.25758	1.4178	1.2321	.04962	.33305	4.2219	4.8287	.17464
#1	.10651	.13964	125.71	4.1336	.03703	3.6219	.51840	.00389	.34492	.01854
#2	.10630	.14114	125.25	4.0516	.03768	3.6245	.52085	.00413	.36931	.01850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29001**	**.08466**	**.15280**	**.00215**	**.00084**	**2.3160**	**4.9563**	**.00690**	**.16392**	**.07031**
Stddev	.00052	.00087	.00204	.00185	.00319	.0191	.0410	.00053	.00112	.00044
%RSD	.17848	1.0307	1.3345	85.935	378.33	.82626	.82626	7.7136	.68614	.62875
#1	.28964	.08404	.15424	.00084	.00310	2.3025	4.9273	.00653	.16472	.07000
#2	.29037	.08528	.15136	.00346	-.00141	2.3296	4.9852	.00728	.16313	.07062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53343**	**-.00129**	F **-.16423**	**.35129**	**.11004**	**.07741**
Stddev	.01515	.00021	.00616	.00120	.00046	.00431
%RSD	2.8408	16.216	3.7495	.34140	.41753	5.5697
#1	.54414	-.00144	-.15987	.35044	.10971	.08045
#2	.52271	-.00114	-.16858	.35214	.11036	.07436
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8935.9**	**110420.**	**9904.1**
Stddev	13.7	137.	50.0
%RSD	.15282	.12383	.50524
#1	8945.5	110520.	9868.7
#2	8926.2	110330.	9939.5

Sample Name: 280-48643-a-3-c Acquired: 11/7/2013 18:28:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**98.995**	**.01460**	**.00000**	**.17905**	**.00564**	**-.00475**	**1.7325**	**.00005**	**.04352**
Stddev	.00018	.076	.00018	.00034	.00035	.00002	.00075	.0018	.00014	.00011
%RSD	9.7182	.07665	1.2599	119810.	.19380	.33447	15.769	.10367	260.22	.25164
#1	-.00171	99.049	.01447	-.00024	.17930	.00566	-.00422	1.7338	-.00005	.04345
#2	-.00196	98.942	.01473	.00024	.17880	.00563	-.00528	1.7313	.00016	.04360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05774**	**.14855**	**81.309**	**4.0627**	**.02082**	**7.5152**	**2.3576**	**.00344**	**.28462**	**.01637**
Stddev	.00004	.00026	.123	.0208	.00351	.0117	.0260	.00003	.01163	.00062
%RSD	.06273	.17737	.15073	.51257	16.844	.15576	1.1038	.99758	4.0856	3.7918
#1	.05777	.14836	81.222	4.0774	.01834	7.5235	2.3392	.00346	.27640	.01681
#2	.05772	.14873	81.396	4.0480	.02330	7.5070	2.3760	.00341	.29285	.01593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59045**	**.14729**	**.86849**	**-.00093**	**-.00390**	**1.5766**	**3.3739**	**.00699**	**.01468**	**.08789**
Stddev	.00042	.00067	.00672	.00133	.00082	.0292	.0625	.00020	.00015	.00002
%RSD	.07157	.45817	.77388	143.07	20.997	1.8528	1.8528	2.8031	1.0487	.02075
#1	.59075	.14681	.87324	-.00187	-.00332	1.5973	3.4181	.00713	.01479	.08788
#2	.59015	.14776	.86373	.00001	-.00448	1.5559	3.3297	.00685	.01457	.08790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0927**	**-.00243**	F **-.35374**	**.15217**	**.33190**	**.03501**
Stddev	.0015	.00024	.03080	.00035	.00027	.00100
%RSD	.14012	10.058	8.7062	.23289	.08243	2.8486
#1	1.0937	-.00226	-.37552	.15242	.33170	.03431
#2	1.0916	-.00261	-.33197	.15192	.33209	.03572
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**10640.**	**130220.**	**11618.**
Stddev	18.	330.	84.
%RSD	.17081	.25370	.72216
#1	10653.	129990.	11559.
#2	10627.	130450.	11678.

Sample Name: 280-48643-a-4-c Acquired: 11/7/2013 18:31:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**61.189**	**.03769**	**.00520**	**.49638**	**.00415**	**-.01027**	**6.8933**	**.00046**	**.03006**
Stddev	.00000	.078	.00112	.00045	.00144	.00004	.00091	.0114	.00027	.00025
%RSD	.64785	.12815	2.9605	8.5899	.29081	1.0069	8.8334	.16590	58.898	.81734
#1	-.00057	61.134	.03848	.00489	.49740	.00417	-.00963	6.8852	.00065	.03024
#2	-.00056	61.245	.03690	.00552	.49536	.00412	-.01091	6.9014	.00027	.02989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06468**	**.11390**	**57.141**	**2.5788**	**.04581**	**4.7731**	**1.1057**	**.00353**	**.64552**	**.03177**
Stddev	.00007	.00016	.057	.0238	.00157	.0021	.0005	.00011	.00240	.00034
%RSD	.10376	.14302	.10032	.92313	3.4240	.04396	.04334	3.1387	.37155	1.0822
#1	.06473	.11378	57.100	2.5620	.04470	4.7717	1.1060	.00345	.64721	.03201
#2	.06463	.11401	57.181	2.5956	.04691	4.7746	1.1054	.00361	.64382	.03152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6064**	**.17297**	**1.2907**	**.00009**	**-.00023**	**2.2641**	**4.8452**	**.00856**	**.09145**	**.03340**
Stddev	.0083	.00082	.0088	.00196	.00024	.0455	.0974	.00102	.00019	.00274
%RSD	.31937	.47375	.68055	2285.8	107.18	2.0104	2.0104	11.919	.20285	8.2051
#1	2.6123	.17355	1.2969	.00147	-.00040	2.2319	4.7763	.00928	.09158	.03146
#2	2.6005	.17239	1.2845	-.00130	-.00005	2.2963	4.9140	.00784	.09132	.03533
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52469**	**-.00195**	F **-.19706**	**.12305**	**.28366**	**.01259**
Stddev	.00215	.00010	.01778	.00006	.00107	.00153
%RSD	.40925	4.9566	9.0225	.04517	.37872	12.153
#1	.52621	-.00188	-.18449	.12309	.28290	.01151
#2	.52318	-.00201	-.20963	.12301	.28442	.01367
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9360.8**	**118160.**	**10315.**
Stddev	3.5	41.	12.
%RSD	.03766	.03502	.12005
#1	9363.3	118130.	10306.
#2	9358.3	118190.	10324.

Sample Name: 280-48643-a-5-c Acquired: 11/7/2013 18:33:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199346 SOIL 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**156.12**	**.01407**	**.00274**	**.41768**	**.01119**	**-.03178**	**1.9988**	**-.00100**	**.03023**
Stddev	.00051	.45	.00319	.00017	.00156	.00002	.00132	.0003	.00010	.00005
%RSD	51.041	.29125	22.681	6.2038	.37394	.17884	4.1449	.01618	10.168	.15613
#1	-.00064	155.80	.01181	.00262	.41657	.01120	-.03085	1.9991	-.00107	.03020
#2	-.00136	156.44	.01632	.00286	.41878	.01117	-.03271	1.9986	-.00093	.03027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24350**	**.34748**	**232.99**	**2.5957**	**.04780**	**23.615**	**1.1227**	**.00400**	**.45858**	**.04834**
Stddev	.00071	.00097	1.05	.0188	.00106	.098	.0014	.00020	.00155	.00021
%RSD	.29186	.27853	.45191	.72418	2.2118	.41288	.12296	5.0111	.33891	.43788
#1	.24300	.34680	232.24	2.6090	.04706	23.684	1.1237	.00414	.45748	.04819
#2	.24401	.34817	233.73	2.5824	.04855	23.546	1.1218	.00386	.45967	.04849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1199**	**.09002**	**.65963**	**.00227**	**-.00144**	**2.1057**	**4.5063**	**.01111**	**.05936**	**.07811**
Stddev	.0029	.00155	.00272	.00080	.00271	.0373	.0799	.00047	.00008	.00338
%RSD	.25753	1.7167	.41169	35.339	188.76	1.7731	1.7731	4.2158	.13011	4.3237
#1	1.1179	.09112	.66156	.00170	-.00335	2.1321	4.5628	.01078	.05930	.08049
#2	1.1220	.08893	.65771	.00284	.00048	2.0793	4.4498	.01144	.05941	.07572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4452**	**-.00487**	F **-.28334**	**.57849**	**.49357**	**.05113**
Stddev	.0073	.00146	.04399	.00013	.00104	.00031
%RSD	.21237	29.966	15.525	.02298	.21164	.61159
#1	3.4504	-.00590	-.31444	.57840	.49431	.05135
#2	3.4401	-.00383	-.25223	.57859	.49283	.05091
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9627.3**	**118670.**	**10633.**
Stddev	24.8	269.	64.
%RSD	.25777	.22632	.60457
#1	9644.9	118480.	10679.
#2	9609.8	118860.	10588.

Sample Name: CCVH-2357613 Acquired: 11/7/2013 18:35:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00477**	**49.179**	**.00132**	**.00443**	**.00033**	**-.00012**	W **.94444**	**-.00145**	**-.00034**	**-.00054**	**-.00001**	**.00985**
Stddev	.00019	.188	.00286	.00046	.00026	.00005	.00491	.00069	.00006	.00017	.00011	.00030
%RSD	3.9223	.38146	216.83	10.389	79.708	43.721	.51996	48.021	16.504	31.007	1052.9	3.0117
#1	.00464	49.312	.00334	.00411	.00051	-.00015	.94791	-.00095	-.00038	-.00066	-.00009	.01006
#2	.00490	49.047	-.00070	.00476	.00014	-.00008	.94097	-.00194	-.00030	-.00042	.00007	.00964
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.145**	**.04918**	**.00157**	**.08707**	**.00045**	**-.00014**	**245.81**	**.00018**	**.00077**	**.00131**	**4.8433**	**.00337**
Stddev	.179	.02529	.00026	.00163	.00004	.00015	.85	.00017	.00093	.00093	.0137	.00368
%RSD	.37882	51.428	16.732	1.8756	8.8787	103.72	.34523	93.979	120.39	70.850	.28343	109.21
#1	47.272	.03129	.00176	.08823	.00048	-.00004	246.41	.00006	.00011	.00196	4.8530	.00077
#2	47.019	.06706	.00139	.08592	.00042	-.00025	245.21	.00030	.00143	.00065	4.8336	.00598
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00182**	**-.00779**	**-.01667**	**.00007**	**.00041**	**4.8302**	**-.00687**	**.00026**	**10.280**	**.00074**	**.00123**	**.03387**
Stddev	.00399	.00449	.00961	.00043	.00002	.0155	.00003	.00044	.013	.00072	.00027	.00277
%RSD	219.59	57.667	57.667	647.84	5.9514	.31991	.43776	167.98	.13061	97.999	21.669	8.1641
#1	-.00464	-.01097	-.02347	.00037	.00043	4.8411	-.00689	.00057	10.271	.00023	.00142	.03192
#2	.00100	-.00461	-.00987	-.00024	.00040	4.8193	-.00685	-.00005	10.290	.00125	.00104	.03583
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8202.1**	**102930.**	**9063.2**
Stddev	12.8	547.	49.7
%RSD	.15612	.53144	.54793
#1	8211.1	102540.	9028.1
#2	8193.0	103320.	9098.3

Sample Name: CCV-2357614 Acquired: 11/7/2013 18:38:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47930**	**.50371**	**.94853**	**.47890**	**.48984**	**.47356**	**.00091**	**4.7795**	**.48475**	**.49023**	**.47152**	**.48940**	**2.3343**
Stddev	.00007	.00128	.00080	.00194	.00007	.00099	.00147	.0062	.00058	.00019	.00004	.00207	.0001
%RSD	.01512	.25401	.08392	.40604	.01531	.20853	161.48	.12900	.12021	.03869	.00890	.42388	.00621
#1	.47935	.50281	.94909	.47752	.48989	.47286	-.00013	4.7751	.48434	.49010	.47155	.48793	2.3342
#2	.47925	.50462	.94797	.48027	.48979	.47425	.00195	4.7838	.48517	.49036	.47149	.49087	2.3344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.952**	**.94505**	**18.742**	**.48423**	**.46721**	**4.8986**	**.48043**	**.93139**	**.97466**	**-.00163**	**.98906**	**.95596**	**4.6687**
Stddev	.117	.00122	.067	.00058	.00032	.0237	.00043	.00327	.00214	.00091	.00311	.00074	.0467
%RSD	.24327	.12879	.35897	.12064	.06931	.48297	.08973	.35073	.21980	55.915	.31493	.07732	.99990
#1	47.869	.94591	18.694	.48382	.46698	4.8818	.48073	.93370	.97314	-.00099	.99126	.95543	4.6357
#2	48.034	.94419	18.789	.48464	.46744	4.9153	.48012	.92908	.97617	-.00227	.98686	.95648	4.7017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9909**	**.94190**	**.48397**	**-.00284**	**.49058**	**1.0043**	**-.04619**	**.47731**	**.47310**	**.48762**
Stddev	.0999	.00092	.00045	.00326	.00032	.0014	.02914	.00061	.00078	.00183
%RSD	.99990	.09774	.09206	114.87	.06466	.14477	63.093	.12697	.16428	.37517
#1	9.9203	.94125	.48428	-.00514	.49080	1.0054	-.02558	.47774	.47256	.48633
#2	10.062	.94255	.48365	-.00053	.49035	1.0033	-.06680	.47688	.47365	.48892
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8380.1**	**106400.**	**9236.5**
Stddev	1.1	36.	8.4
%RSD	.01367	.03372	.09131
#1	8380.9	106420.	9242.5
#2	8379.3	106370.	9230.6

Sample Name: CCB Acquired: 11/7/2013 18:40:07 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00213**	**.00286**	**.00103**	**.00004**	**-.00007**	**.00203**	**-.00306**	**-.00010**	**-.00007**	**.00013**	**-.00080**
Stddev	.00080	.00004	.00083	.00016	.00002	.00006	.00145	.00245	.00001	.00007	.00005	.00049
%RSD	210.20	1.6458	29.060	15.619	43.069	86.162	71.316	79.903	14.967	108.31	35.514	60.971
#1	.00018	.00211	.00345	.00092	.00006	-.00010	.00305	-.00480	-.00011	-.00002	.00017	-.00046
#2	-.00094	.00216	.00227	.00115	.00003	-.00003	.00101	-.00133	-.00009	-.00012	.00010	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**.01070**	**.00134**	**-.00011**	**.00006**	**.00020**	**.01835**	**-.00001**	**.00046**	**.00047**	**-.00212**	W **.00327**
Stddev	.00152	.00635	.00088	.00169	.00003	.00008	.00298	.00000	.00027	.00076	.00029	.00177
%RSD	133.67	59.289	65.832	1586.3	56.992	41.400	16.251	33.350	59.864	161.97	13.885	54.255
#1	-.00222	.01519	.00071	-.00130	.00008	.00014	.01624	-.00002	.00065	-.00007	-.00233	.00452
#2	-.00006	.00622	.00196	.00109	.00003	.00025	.02046	-.00001	.00026	.00100	-.00191	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**-.02801**	**-.05993**	**.00017**	**.00000**	**.00367**	**-.00049**	**.00046**	**.00508**	**-.00010**	**.00345**	**-.00088**
Stddev	.00062	.00458	.00979	.00045	.00014	.00069	.00025	.00013	.03735	.00037	.00004	.00164
%RSD	22.997	16.341	16.341	260.38	4228.7	18.669	51.686	27.631	734.87	368.19	1.2465	186.79
#1	.00226	-.02477	-.05301	.00049	-.00009	.00319	-.00031	.00055	.03149	.00016	.00342	-.00204
#2	.00313	-.03124	-.06686	-.00014	.00010	.00416	-.00067	.00037	-.02133	-.00036	.00348	.00028
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8407.1**	**107370.**	**9067.7**
Stddev	43.8	571.	15.8
%RSD	.52155	.53151	.17471
#1	8376.1	107770.	9056.5
#2	8438.1	106970.	9078.9

Sample Name: CCVL-2363703 Acquired: 11/7/2013 18:42:24 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.11394**	**.01683**	**.10260**	**.01062**	**.00095**	**.11851**	**.20494**	**.00521**	**.01114**	**.01048**	**.01541**	**.09835**
Stddev	.00053	.00009	.00166	.00028	.00003	.00001	.00105	.00455	.00012	.00016	.00016	.00019	.00198
%RSD	4.8296	.07697	9.8567	.27550	.27087	1.4627	.88479	2.2222	2.3294	1.4152	1.5377	1.2179	2.0162
#1	.01126	.11401	.01565	.10240	.01060	.00094	.11777	.20172	.00512	.01125	.01036	.01554	.09694
#2	.01052	.11388	.01800	.10280	.01064	.00096	.11925	.20816	.00529	.01102	.01059	.01527	.09975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1217**	**.01038**	**.21421**	**.01076**	**.01913**	**1.0957**	**.04256**	**2.9535**	**.01133**	**.00113**	**.01185**	**.01590**	**.47557**
Stddev	.0605	.00051	.00203	.00000	.00001	.0160	.00044	.0029	.00079	.00193	.00114	.00045	.00106
%RSD	1.9377	4.9209	.94555	.02755	.04191	1.4641	1.0332	.09843	7.0144	171.08	9.6524	2.8155	.22231
#1	3.0790	.01074	.21278	.01076	.01914	1.1071	.04225	2.9514	.01189	-.00024	.01104	.01558	.47482
#2	3.1645	.01002	.21564	.01076	.01913	1.0844	.04288	2.9555	.01077	.00249	.01266	.01621	.47632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0177**	**.10224**	**.01038**	**.01806**	**.00998**	**.01742**	F **.03644**	**.01020**	**.02257**	**.01438**
Stddev	.0023	.00034	.00012	.00155	.00000	.00003	.01441	.00007	.00010	.00235
%RSD	.22231	.33652	1.1152	8.5958	.02923	.18978	39.560	.64894	.44964	16.328
#1	1.0161	.10248	.01030	.01916	.00999	.01745	.04663	.01024	.02264	.01272
#2	1.0193	.10200	.01046	.01696	.00998	.01740	.02624	.01015	.02250	.01604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8640.9**	**110420.**	**9255.8**
Stddev	13.0	20.	22.3
%RSD	.15088	.01855	.24138
#1	8631.7	110430.	9240.0
#2	8650.2	110400.	9271.6

Sample Name: mb 280-198889/1-a Acquired: 11/7/2013 18:44:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00848**	**.00028**	**.00084**	**.00009**	**-.00005**	**.00048**	**.00548**	**.00005**	**-.00008**
Stddev	.0004	.00001	.00064	.00033	.00001	.00004	.00424	.00056	.00009	.00032
%RSD	24370.	.11337	231.09	39.788	9.8440	71.907	879.00	10.307	171.02	379.00
#1	.00031	.00849	.00073	.00060	.00009	-.00007	-.00252	.00508	.00012	-.00031
#2	-.00032	.00848	-.00018	.00107	.00008	-.00002	.00348	.00588	-.00001	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00053**	**.00234**	**.04545**	**.00160**	**.00071**	**.00012**	**.00010**	**.00841**	**.00016**
Stddev	.00001	.00001	.00056	.00078	.00131	.00007	.00002	.00008	.00894	.00007
%RSD	8.7487	1.7101	23.774	1.7167	82.080	9.8891	18.987	77.932	106.32	40.444
#1	.00013	-.00052	.00194	.04489	.00252	.00066	.00010	.00015	.00209	.00012
#2	.00012	-.00053	.00273	.04600	.00067	.00076	.00013	.00004	.01473	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.00125**	**.00565**	**.00471**	**-.00009**	**-.01656**	**-.03544**	**.00021**	**.00000**	**.00232**
Stddev	.00088	.00014	.00083	.00078	.00115	.00619	.01324	.00014	.0000	.00028
%RSD	110.42	11.549	14.603	16.476	1223.8	37.355	37.355	65.078	623.13	12.008
#1	-.00018	.00115	.00507	.00526	.00072	-.01219	-.02608	.00011	.00001	.00251
#2	-.00142	.00135	.00624	.00416	-.00091	-.02094	-.04480	.00031	-.00002	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00049**	**-.00054**	**-.00024**	**.00824**	**.00125**
Stddev	.00006	.00064	.00342	.00035	.00021	.00160
%RSD	93.879	130.53	633.98	144.46	2.5339	128.09
#1	-.00011	-.00004	.00188	.00001	.00809	.00238
#2	-.00002	-.00095	-.00296	-.00048	.00839	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8579.9**	**110790.**	**9268.7**
Stddev	9.9	335.	67.2
%RSD	.11557	.30262	.72485
#1	8572.9	110550.	9221.2
#2	8586.9	111030.	9316.2

Sample Name: lcs 280-198889/2-a Acquired: 11/7/2013 18:47:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05218**	**2.0435**	**1.0167**	**1.0285**	**2.1261**	**.05055**	**2.1702**	**50.273**	**.10893**	**.51202**
Stddev	.00017	.0006	.0012	.0011	.0084	.00014	.0001	.045	.00012	.00090
%RSD	.31747	.02721	.11493	.10916	.39663	.27781	.00551	.08878	.11138	.17490
#1	.05206	2.0431	1.0175	1.0293	2.1321	.05065	2.1701	50.304	.10901	.51266
#2	.05230	2.0439	1.0158	1.0277	2.1202	.05045	2.1702	50.241	.10884	.51139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20161**	**.26618**	**.99457**	**52.117**	**1.0162**	**49.921**	**.51403**	**.99082**	**52.771**	**.50018**
Stddev	.00030	.00112	.00023	.128	.0041	.024	.00053	.00230	.362	.00008
%RSD	.14715	.41911	.02314	.24476	.40539	.04779	.10334	.23222	.68507	.01685
#1	.20140	.26539	.99441	52.207	1.0191	49.905	.51441	.99245	53.027	.50012
#2	.20182	.26697	.99473	52.027	1.0133	49.938	.51365	.98919	52.515	.50024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.212**	**.51145**	**-.00811**	**.51612**	**2.0405**	**9.9942**	**21.388**	**1.9703**	**1.0448**	**1.0289**
Stddev	.006	.00067	.00296	.00355	.0051	.0354	.076	.0008	.0044	.0029
%RSD	.05753	.13119	36.474	.68813	.24865	.35435	.35435	.04327	.42055	.28110
#1	10.208	.51098	-.01020	.51361	2.0440	9.9692	21.334	1.9709	1.0479	1.0309
#2	10.216	.51193	-.00602	.51863	2.0369	10.019	21.441	1.9697	1.0417	1.0269
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0520**	**2.0443**	**2.2357**	**.51870**	**.49681**	**.52735**
Stddev	.0009	.0036	.0210	.00044	.00026	.00222
%RSD	.08167	.17696	.93771	.08516	.05191	.42118
#1	1.0514	2.0468	2.2209	.51839	.49699	.52577
#2	1.0526	2.0417	2.2506	.51902	.49663	.52892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8248.0**	**104200.**	**9199.1**
Stddev	17.0	152.	4.9
%RSD	.20671	.14596	.05281
#1	8235.9	104310.	9195.6
#2	8260.0	104100.	9202.5

Sample Name: 280-48607-f-1-a Acquired: 11/7/2013 18:49:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.05931**	**.00199**	**.00219**	**.00141**	**-.00005**	**.00044**	**.10009**	**-.00009**	**.00023**
Stddev	.00022	.00061	.00070	.00040	.00040	.00003	.00024	.00307	.00001	.00016
%RSD	64.501	1.0201	35.192	18.446	28.699	58.131	55.388	3.0653	9.0655	72.449
#1	-.00049	.05889	.00249	.00248	.00169	-.00007	.00027	.10226	-.00010	.00034
#2	-.00018	.05974	.00150	.00191	.00112	-.00003	.00061	.09793	-.00009	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00017**	**.04080**	**.04686**	**.00247**	**.02310**	**.00138**	**.00085**	**.03756**	**.00018**
Stddev	.00003	.00039	.00125	.05621	.00060	.00046	.00009	.00008	.00580	.00003
%RSD	5.9083	227.89	3.0543	119.97	24.256	2.0124	6.1940	9.6561	15.433	15.038
#1	.00056	-.00045	.03992	.00711	.00290	.02277	.00132	.00091	.03346	.00016
#2	.00052	.00011	.04168	.08660	.00205	.02343	.00144	.00079	.04166	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00088**	**.00850**	**.00097**	**-.00070**	**.08061**	**.17251**	**.00089**	**.00082**	**.00261**
Stddev	.00092	.00125	.00175	.00075	.00052	.00125	.00267	.00014	.00008	.00241
%RSD	37.645	141.71	20.571	76.818	73.428	1.5505	1.5505	15.511	10.264	92.419
#1	.00310	.00177	.00726	.00150	-.00107	.08150	.17440	.00079	.00088	.00090
#2	.00180	.00000	.00974	.00044	-.00034	.07973	.17062	.00098	.00076	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**-.00019**	**-.01859**	**-.00044**	**.00515**	**.00061**
Stddev	.00034	.00003	.02858	.00005	.00057	.00135
%RSD	39.233	14.566	153.75	11.285	11.156	223.00
#1	.00062	-.00021	-.03879	-.00047	.00474	-.00035
#2	.00109	-.00017	.00162	-.00040	.00555	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8588.3**	**110100.**	**9295.4**
Stddev	8.6	296.	60.7
%RSD	.10053	.26892	.65297
#1	8594.4	110300.	9338.3
#2	8582.2	109890.	9252.5

Sample Name: 280-48607-f-2-a@10 Acquired: 11/7/2013 18:51:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.01170**	**.00273**	**.30481**	**.00277**	**-.00012**	**.00137**	**10.357**	**-.00003**	**-.00020**
Stddev	.00019	.00011	.00293	.00143	.00036	.00007	.00230	.018	.00011	.00003
%RSD	86.295	.95250	106.96	.46845	13.096	54.974	167.96	.17040	378.47	13.952
#1	-.00009	.01178	.00067	.30582	.00302	-.00017	.00299	10.369	.00005	-.00018
#2	-.00036	.01163	.00480	.30380	.00251	-.00007	-.00026	10.344	-.00011	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00042**	**.02383**	**.13901**	**.01473**	**2.8542**	**.01207**	**.00076**	**230.69**	**.00058**
Stddev	.00005	.00020	.00070	.00024	.00116	.0106	.00004	.00011	.75	.00013
%RSD	24.824	47.552	2.9555	.17263	7.8958	.37076	.32794	13.883	.32360	23.157
#1	.00016	.00028	.02334	.13884	.01555	2.8617	.01204	.00068	231.22	.00048
#2	.00022	.00057	.02433	.13918	.01390	2.8467	.01210	.00083	230.16	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00825**	**.00123**	**93.707**	**.00287**	**-.00212**	**.59739**	**1.2784**	**.00292**	**.44232**	**.00017**
Stddev	.00027	.00028	.042	.00069	.00016	.01227	.0263	.00089	.00087	.00098
%RSD	3.3075	22.782	.04453	23.947	7.5210	2.0541	2.0541	30.366	.19634	582.60
#1	.00845	.00143	93.737	.00336	-.00200	.60607	1.2970	.00229	.44294	.00086
#2	.00806	.00103	93.678	.00239	-.00223	.58871	1.2598	.00354	.44171	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00055**	**-.01196**	**.00021**	**.00731**	**.00265**
Stddev	.00031	.00017	.02455	.00013	.00009	.00031
%RSD	72.428	30.423	205.38	64.028	1.2511	11.639
#1	-.00065	.00043	-.02932	.00030	.00737	.00287
#2	-.00021	.00067	.00541	.00011	.00724	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8078.9**	**101670.**	**9045.7**
Stddev	11.9	23.	65.1
%RSD	.14739	.02298	.71984
#1	8087.3	101650.	8999.7
#2	8070.4	101690.	9091.8

Sample Name: 280-48607-f-3-a@5 Acquired: 11/7/2013 18:53:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.01179**	**.00218**	**.26117**	**.00437**	**-.00008**	**-.00084**	**6.9956**	**-.00008**	**-.00003**
Stddev	.00004	.00007	.00088	.00003	.00030	.00002	.00024	.0081	.00026	.00017
%RSD	42.050	.55903	40.185	.00997	6.9146	28.484	28.077	.11610	329.11	526.57
#1	-.00013	.01174	.00156	.26115	.00416	-.00009	-.00068	6.9899	-.00026	-.00015
#2	-.00007	.01183	.00280	.26119	.00459	-.00006	-.00101	7.0014	.00010	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00024**	**.01597**	**.17304**	**.02786**	**1.2691**	**.01054**	**.00032**	**115.88**	**.00001**
Stddev	.00002	.00035	.00225	.05066	.00001	.0011	.00012	.00007	.01	.00041
%RSD	40.607	147.08	14.104	29.274	.04925	.08612	1.1213	21.305	.01209	3637.5
#1	.00008	-.00048	.01438	.20886	.02785	1.2698	.01063	.00037	115.87	.00030
#2	.00004	.00001	.01757	.13722	.02787	1.2683	.01046	.00027	115.89	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**.00083**	**30.951**	**.00191**	**.00033**	**.88154**	**1.8865**	**.00272**	**.21755**	**.00342**
Stddev	.00149	.00085	.033	.00079	.00062	.02397	.0513	.00021	.00078	.00136
%RSD	36.430	102.27	.10645	41.312	189.41	2.7187	2.7187	7.8575	.35961	39.874
#1	.00515	.00023	30.927	.00135	-.00011	.89848	1.9228	.00257	.21700	.00438
#2	.00304	.00143	30.974	.00247	.00076	.86459	1.8502	.00287	.21811	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00130**	**-.00487**	**.00040**	**.00689**	**.00052**
Stddev	.00024	.00094	.00570	.00054	.00027	.00012
%RSD	84.512	72.378	117.09	134.05	3.9265	22.476
#1	-.00045	.00064	-.00890	.00078	.00708	.00043
#2	-.00011	.00197	-.00084	.00002	.00670	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8167.8**	**104400.**	**8994.6**
Stddev	.5	272.	103.1
%RSD	.00672	.26065	1.1457
#1	8167.4	104210.	8921.7
#2	8168.1	104590.	9067.4

Sample Name: 280-48607-f-6-a@10 Acquired: 11/7/2013 18:56:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.01275**	**-.00050**	**.13236**	**.00139**	**-.00003**	**.00217**	**1.5793**	**-.00006**	**.00014**
Stddev	.00038	.00005	.00045	.00061	.00008	.00003	.00166	.0009	.00024	.00013
%RSD	214.10	.39339	90.541	.46281	5.4599	101.18	76.241	.05429	431.50	92.113
#1	-.00009	.01271	-.00018	.13192	.00134	-.00001	.00100	1.5799	-.00023	.00005
#2	.00044	.01278	-.00082	.13279	.00145	-.00005	.00335	1.5786	.00012	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00036**	**.02327**	**.09504**	**.02045**	**.37950**	**.00031**	**.00014**	**86.266**	**.00036**
Stddev	.00007	.00036	.00276	.00744	.00103	.00282	.00001	.00004	.544	.00035
%RSD	23.065	97.493	11.842	7.8243	5.0407	.74412	1.7212	30.056	.63015	97.903
#1	.00026	-.00062	.02132	.08978	.01972	.37751	.00030	.00011	85.881	.00011
#2	.00036	-.00011	.02522	.10030	.02118	.38150	.00031	.00017	86.650	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00021**	**31.282**	**.00029**	**.00137**	**.37302**	**.79827**	**.00330**	**.11184**	**.00289**
Stddev	.00182	.00022	.014	.00012	.00054	.01388	.02971	.00013	.00041	.00165
%RSD	140.26	105.99	.04481	41.979	39.208	3.7216	3.7216	4.0783	.37059	56.984
#1	.00001	.00036	31.292	.00021	.00175	.36321	.77726	.00340	.11155	.00405
#2	.00259	.00005	31.272	.00038	.00099	.38284	.81928	.00321	.11213	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00079**	W **-.05636**	**.00057**	**.00793**	**.00172**
Stddev	.00012	.00033	.00312	.00028	.00013	.00036
%RSD	27.090	42.163	5.5300	49.461	1.6511	20.836
#1	-.00055	.00056	-.05857	.00077	.00784	.00197
#2	-.00037	.00103	-.05416	.00037	.00802	.00147
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8233.5**	**104860.**	**8986.4**
Stddev	23.9	450.	41.4
%RSD	.29037	.42928	.46026
#1	8250.4	105180.	8957.1
#2	8216.6	104540.	9015.6

Sample Name: CCVH-2357613 Acquired: 11/7/2013 18:58:35 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**49.605**	**.00228**	**.00549**	**.00019**	**-.00005**	**.95043**	**-.00067**	**-.00028**	**-.00069**	**.00003**	**.01009**	**47.481**
Stddev	.00005	.315	.00145	.00024	.00051	.00003	.00342	.00067	.00002	.00005	.00025	.00051	.005
%RSD	1.1893	.63496	63.584	4.3313	272.26	54.218	.35967	100.42	6.0697	7.0921	779.89	5.0402	.01037
#1	.00414	49.382	.00125	.00532	.00054	-.00007	.94801	-.00114	-.00027	-.00065	-.00015	.01045	47.478
#2	.00407	49.828	.00330	.00566	-.00017	-.00003	.95285	-.00019	-.00029	-.00072	.00021	.00973	47.485
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08890**	**.00298**	**.08763**	**.00044**	**-.00030**	**247.87**	**.00012**	**.00033**	**.00150**	**4.8865**	**.00281**	**-.00244**	**.00141**
Stddev	.01823	.00126	.00463	.00013	.00016	1.02	.00004	.00194	.00013	.0140	.00275	.00560	.00671
%RSD	20.507	42.132	5.2781	30.600	53.574	.41003	36.502	588.92	9.0077	.28714	97.898	229.98	475.00
#1	.07601	.00387	.09090	.00034	-.00018	247.15	.00009	-.00104	.00159	4.8766	.00475	-.00640	-.00333
#2	.10179	.00209	.08436	.00053	-.00041	248.59	.00015	.00170	.00140	4.8964	.00086	.00153	.00616
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**-.00023**	**.00028**	**4.8770**	**-.00729**	**.00130**	**10.437**	**.00100**	**.00092**	**.03388**
Stddev	.01436	.00032	.00011	.0024	.00000	.00030	.010	.00063	.00032	.00181
%RSD	475.00	142.42	39.167	.04844	.05137	22.763	.09567	63.149	34.586	5.3384
#1	-.00713	.00000	.00020	4.8786	-.00729	.00151	10.444	.00144	.00069	.03515
#2	.01318	-.00045	.00036	4.8753	-.00729	.00109	10.430	.00055	.00114	.03260
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8125.1**	**101930.**	**8947.3**
Stddev	28.6	174.	71.0
%RSD	.35218	.17045	.79321
#1	8104.9	101810.	8997.5
#2	8145.4	102050.	8897.1

Sample Name: CCV-2357614 Acquired: 11/7/2013 19:00:58 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48389**	**.51063**	**.95156**	**.48368**	**.49524**	**.47788**	**.00076**	**4.8102**	**.48999**	**.49530**	**.47472**	**.49478**	**2.3453**
Stddev	.00195	.00111	.00323	.00183	.00123	.00115	.00021	.0015	.00057	.00053	.00155	.00231	.0002
%RSD	.40374	.21750	.33898	.37804	.24766	.24105	27.224	.03037	.11708	.10672	.32616	.46611	.00716
#1	.48527	.51142	.95384	.48497	.49611	.47869	.00061	4.8112	.49039	.49567	.47582	.49641	2.3455
#2	.48251	.50985	.94928	.48239	.49438	.47706	.00090	4.8092	.48958	.49493	.47363	.49315	2.3452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.384**	**.95342**	**18.802**	**.48945**	**.47154**	**5.0378**	**.48398**	**.94126**	**.98324**	**-.00070**	**1.0064**	**.96809**	**4.6445**
Stddev	.064	.00108	.073	.00135	.00094	.0192	.00163	.00334	.00332	.00373	.0017	.00014	.0139
%RSD	.13312	.11279	.38885	.27584	.19836	.38050	.33679	.35441	.33742	529.71	.16426	.01403	.29888
#1	48.429	.95418	18.854	.49040	.47220	5.0514	.48513	.93890	.98559	.00193	1.0075	.96818	4.6543
#2	48.338	.95266	18.751	.48849	.47087	5.0243	.48282	.94362	.98090	-.00334	1.0052	.96799	4.6347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9392**	**.94788**	**.48834**	**-.00101**	**.49809**	**1.0169**	**-.02945**	**.48254**	**.47287**	**.49031**
Stddev	.0297	.00557	.00140	.00000	.00028	.0054	.03214	.00055	.00213	.00107
%RSD	.29888	.58752	.28574	.09253	.05651	.53367	109.13	.11349	.44978	.21872
#1	9.9602	.95182	.48933	-.00101	.49789	1.0208	-.00673	.48293	.47438	.48955
#2	9.9182	.94394	.48735	-.00102	.49829	1.0131	-.05218	.48215	.47137	.49106
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8353.6**	**105480.**	**9133.3**
Stddev	10.9	481.	2.9
%RSD	.13050	.45564	.03171
#1	8345.9	105150.	9131.3
#2	8361.3	105820.	9135.4

Sample Name: CCB Acquired: 11/7/2013 19:03:04 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00063**	**.00211**	**.00168**	**.00008**	**.00007**	**.00048**	**-.00258**	**-.00005**	**.00001**	**.00000**	**-.00092**
Stddev	.00008	.00015	.00018	.00027	.00037	.00005	.00212	.00116	.00001	.00002	.00003	.00037
%RSD	18.580	24.457	8.6730	16.154	466.30	75.671	442.42	44.832	25.964	144.75	629.81	40.731
#1	.00049	.00074	.00198	.00187	.00034	.00010	.00197	-.00340	-.00006	.00000	.00002	-.00065
#2	.00038	.00052	.00224	.00149	-.00018	.00003	-.00102	-.00176	-.00004	.00002	-.00002	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.03720**	**.00167**	**.00031**	**.00007**	**.00039**	**.03635**	**-.00001**	**.00062**	**.00060**	**.00320**	**.00180**
Stddev	.00025	.01848	.00090	.00286	.00002	.00025	.01382	.00023	.00191	.00062	.00084	.00037
%RSD	15.275	49.666	54.155	914.04	25.329	63.140	38.007	4128.2	305.45	102.84	26.244	20.755
#1	-.00184	.02414	.00103	-.00171	.00008	.00022	.04612	-.00017	-.00072	.00104	.00379	.00207
#2	-.00148	.05027	.00230	.00233	.00006	.00056	.02658	.00016	.00197	.00016	.00260	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**-.01825**	**-.03904**	**.00059**	**.00019**	**.00399**	**.00014**	**-.00137**	F **-.05990**	**-.00036**	**.00388**	**.00086**
Stddev	.00340	.01157	.02475	.00045	.00005	.00069	.00018	.00097	.01841	.00060	.00003	.00027
%RSD	178.20	63.395	63.395	77.277	26.789	17.215	128.83	70.739	30.729	165.50	.83621	31.698
#1	-.00050	-.02642	-.05655	.00027	.00022	.00351	.00027	-.00069	-.04688	-.00079	.00386	.00105
#2	.00431	-.01007	-.02154	.00091	.00015	.00448	.00001	-.00206	-.07291	.00006	.00390	.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8366.7**	**107810.**	**8985.0**
Stddev	2.6	426.	13.6
%RSD	.03145	.39530	.15149
#1	8364.8	108110.	8975.4
#2	8368.6	107510.	8994.6

Sample Name: CCVL-2363703 Acquired: 11/7/2013 19:05:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.11299**	**.01650**	**.10111**	**.01077**	**.00097**	**.12293**	**.20514**	**.00527**	**.01111**	**.01021**	**.01500**	**.09775**
Stddev	.00025	.00023	.00182	.00008	.00017	.00007	.00259	.00381	.00002	.00006	.00000	.00036	.00150
%RSD	2.3486	.20784	11.000	.07876	1.5614	7.0679	2.1039	1.8577	.39280	.50532	.01607	2.4119	1.5314
#1	.01079	.11315	.01522	.10117	.01065	.00101	.12475	.20244	.00526	.01115	.01021	.01526	.09881
#2	.01044	.11282	.01779	.10106	.01089	.00092	.12110	.20783	.00529	.01107	.01021	.01474	.09670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1422**	**.01084**	**.21403**	**.01062**	**.01942**	**1.0906**	**.04257**	**2.9136**	**.01031**	**.00525**	**.01244**	**.01647**	**.46496**
Stddev	.0430	.00070	.00097	.00005	.00032	.0053	.00015	.0031	.00065	.00033	.00062	.00238	.01059
%RSD	1.3676	6.5010	.45375	.44932	1.6698	.48918	.35429	.10611	6.3391	6.2509	5.0187	14.442	2.2775
#1	3.1118	.01034	.21472	.01058	.01965	1.0943	.04247	2.9114	.00985	.00502	.01288	.01815	.45747
#2	3.1726	.01134	.21334	.01065	.01919	1.0868	.04268	2.9158	.01077	.00548	.01199	.01479	.47245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99502**	**.10047**	**.01034**	**.01793**	**.01023**	**.01801**	F **.03331**	**.01008**	**.02250**	**.01425**
Stddev	.02266	.00026	.00001	.00116	.00048	.00082	.01722	.00015	.00027	.00310
%RSD	2.2775	.25424	.12497	6.4913	4.7156	4.5734	51.704	1.4459	1.1821	21.728
#1	.97900	.10029	.01035	.01711	.00989	.01859	.04549	.01018	.02269	.01644
#2	1.0110	.10065	.01033	.01876	.01057	.01743	.02113	.00998	.02231	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8640.6**	**110630.**	**9330.9**
Stddev	10.0	1126.	10.0
%RSD	.11591	1.0180	.10683
#1	8647.7	111430.	9323.8
#2	8633.5	109830.	9337.9

Sample Name: 280-48607-f-7-a@5 Acquired: 11/7/2013 19:07:39 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.01150**	**-.00060**	**.10904**	**.00153**	**-.00001**	**.00275**	**12.000**	**-.00004**	**.00002**
Stddev	.00008	.00010	.00014	.00021	.00007	.00001	.00018	.002	.00000	.00002
%RSD	15.640	.87524	23.908	.19410	4.5459	89.779	6.5713	.01625	8.4797	82.729
#1	-.00044	.01142	-.00070	.10889	.00158	-.00001	.00287	11.999	-.00004	.00004
#2	-.00055	.01157	-.00050	.10919	.00148	.00000	.00262	12.002	-.00005	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00003**	**.01643**	**.17907**	**.02114**	**2.4177**	**.00036**	**.00183**	**93.179**	**.00041**
Stddev	.00023	.00040	.00171	.03483	.00044	.0024	.00006	.00019	.049	.00022
%RSD	71.040	1553.2	10.390	19.451	2.0880	.09824	16.178	10.138	.05281	53.552
#1	.00048	.00026	.01764	.20370	.02145	2.4194	.00041	.00196	93.214	.00025
#2	.00016	-.00031	.01523	.15444	.02083	2.4161	.00032	.00170	93.145	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.00053**	**39.313**	**.00256**	**.00193**	**.70904**	**1.5173**	**.00237**	**.49473**	**.00213**
Stddev	.00192	.00071	.035	.00148	.00036	.00345	.0074	.00070	.00061	.00045
%RSD	17.356	134.00	.09029	57.738	18.505	.48657	.48657	29.658	.12402	21.140
#1	.00972	.00103	39.288	.00360	.00168	.70660	1.5121	.00188	.49516	.00245
#2	.01244	.00003	39.338	.00151	.00218	.71148	1.5226	.00287	.49429	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00088**	**-.02037**	**.00261**	**.00695**	**.00147**
Stddev	.00003	.00114	.01712	.00035	.00024	.00159
%RSD	9.7058	129.54	84.029	13.303	3.5210	108.24
#1	-.00033	.00007	-.03248	.00286	.00712	.00035
#2	-.00038	.00168	-.00827	.00237	.00678	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8297.8**	**105200.**	**9244.8**
Stddev	2.1	17.	37.8
%RSD	.02580	.01606	.40870
#1	8296.3	105220.	9271.5
#2	8299.4	105190.	9218.0

Sample Name: 280-48607-f-9-a@5 Acquired: 11/7/2013 19:09:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.01659**	**.00016**	**.09715**	**.00375**	**-.00006**	**.00263**	**23.128**	**-.00005**	**-.00003**
Stddev	.00035	.00006	.00105	.00018	.00004	.00001	.00090	.043	.00027	.00021
%RSD	873.41	.38478	673.98	.18463	1.0726	14.980	34.153	.18807	589.41	624.45
#1	.00029	.01663	-.00059	.09727	.00378	-.00007	.00326	23.159	-.00024	.00011
#2	-.00021	.01654	.00090	.09702	.00372	-.00006	.00199	23.098	.00015	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00026**	**.02366**	**.13678**	**.02538**	**4.1285**	**.02954**	**.00030**	**108.98**	**.00067**
Stddev	.00004	.00023	.00024	.02995	.00010	.0014	.00011	.00009	.58	.00016
%RSD	13.750	88.251	1.0167	21.893	.38051	.03369	.36694	30.422	.53648	24.315
#1	.00026	.00010	.02349	.15795	.02545	4.1295	.02962	.00023	109.39	.00056
#2	.00032	.00043	.02383	.11560	.02531	4.1275	.02946	.00036	108.57	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**.00017**	**57.665**	**.00347**	**.00140**	**.91230**	**1.9523**	**.00263**	**1.0911**	**.00249**
Stddev	.00039	.00050	.079	.00122	.00055	.01623	.0347	.00077	.0004	.00038
%RSD	5.3258	291.67	.13703	35.123	38.899	1.7791	1.7791	29.374	.03845	15.204
#1	.00752	-.00018	57.721	.00261	.00102	.92377	1.9769	.00317	1.0908	.00276
#2	.00698	.00052	57.609	.00433	.00179	.90082	1.9278	.00208	1.0914	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00042**	**-.00552**	**.00044**	**.00669**	**.00070**
Stddev	.00033	.00009	.00511	.00002	.00018	.00299
%RSD	18356.	21.414	92.489	5.0063	2.7264	430.20
#1	.00024	.00049	-.00913	.00042	.00682	.00281
#2	-.00023	.00036	-.00191	.00045	.00656	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8238.1**	**103520.**	**9109.5**
Stddev	6.6	45.	30.5
%RSD	.07983	.04378	.33475
#1	8242.8	103490.	9088.0
#2	8233.5	103560.	9131.1

Sample Name: 280-48607-f-10-a@10 Acquired: 11/7/2013 19:12:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.01429**	**-.00076**	**.00157**	**.00033**	**-.00012**	**.00268**	**.01678**	**-.00011**	**.00027**
Stddev	.00000	.00016	.00073	.00008	.00004	.00006	.00033	.00177	.00003	.00011
%RSD	2.4316	1.0948	95.971	5.2115	13.090	51.072	12.295	10.562	22.391	42.449
#1	.00017	.01418	-.00024	.00163	.00036	-.00016	.00245	.01553	-.00013	.00019
#2	.00018	.01440	-.00127	.00152	.00030	-.00008	.00291	.01803	-.00009	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00063**	**.02298**	**.01352**	**.00094**	**-.00053**	**.00031**	**-.00020**	**.05474**	**.00030**
Stddev	.00010	.00063	.00067	.03525	.00076	.00105	.00004	.00017	.00521	.00007
%RSD	50.147	100.72	2.9263	260.74	80.807	199.21	13.402	86.365	9.5175	24.332
#1	.00013	-.00018	.02345	-.01140	.00040	-.00127	.00034	-.00008	.05842	.00035
#2	.00028	-.00107	.02250	.03844	.00148	.00022	.00028	-.00032	.05106	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00087**	**.01163**	**.00131**	**-.00201**	**-.01350**	**-.02888**	**.00408**	**.00010**	**.00275**
Stddev	.00069	.00051	.00182	.00108	.00189	.00276	.00590	.00043	.00016	.00026
%RSD	88.134	58.753	15.631	82.726	94.079	20.435	20.435	10.432	157.52	9.3716
#1	.00029	.00051	.01292	.00208	-.00335	-.01545	-.03305	.00438	.00021	.00257
#2	.00126	.00123	.01034	.00054	-.00067	-.01155	-.02471	.00378	-.00001	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00082**	**.01915**	**.00012**	**.00546**	**.00137**
Stddev	.00007	.00068	.03344	.00033	.00035	.00032
%RSD	41.087	82.699	174.61	262.56	6.3339	23.651
#1	-.00012	-.00034	.04279	-.00011	.00571	.00160
#2	-.00021	-.00130	-.00449	.00036	.00522	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8293.8**	**106910.**	**8997.2**
Stddev	18.5	57.	195.5
%RSD	.22273	.05315	2.1723
#1	8306.9	106870.	9135.4
#2	8280.7	106950.	8859.0

Sample Name: 48607-f-10-aSD@50 Acquired: 11/7/2013 19:14:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.01528**	**-.00188**	**.00080**	**.00160**	**.00006**	**.00177**	**.01265**	**-.00013**	**-.00011**
Stddev	.00022	.00012	.00010	.00012	.00027	.00007	.00154	.00189	.00002	.00010
%RSD	58.422	.81508	5.3777	14.533	16.792	118.30	86.883	14.924	15.434	83.035
#1	-.00022	.01519	-.00181	.00088	.00141	.00011	.00286	.01132	-.00015	-.00005
#2	-.00054	.01537	-.00195	.00072	.00180	.00001	.00068	.01399	-.00012	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00076**	**.02171**	**.09185**	**.00240**	**.00169**	**.00025**	**.00006**	**.03151**	**.00020**
Stddev	.00017	.00021	.00076	.02447	.00324	.00093	.00001	.00018	.00876	.00021
%RSD	1008.4	27.784	3.5209	26.641	134.88	55.241	4.9463	282.31	27.814	107.26
#1	.00014	-.00061	.02117	.10916	.00470	.00234	.00026	.00019	.03770	.00034
#2	-.00010	-.00091	.02225	.07455	.00011	.00103	.00024	-.00006	.02531	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00031**	**.01001**	**.00258**	**.00089**	**-.02945**	**-.06302**	**.00361**	**.00009**	**.00363**
Stddev	.00096	.00011	.00081	.00135	.00116	.00532	.01138	.00010	.00002	.00083
%RSD	293.14	34.523	8.0920	52.423	130.78	18.066	18.066	2.8527	22.892	22.728
#1	.00101	.00039	.00943	.00162	.00171	-.02569	-.05497	.00368	.00011	.00305
#2	-.00035	.00023	.01058	.00353	.00007	-.03321	-.07107	.00354	.00008	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00085**	**-.04763**	**-.00019**	**.00629**	**-.00022**
Stddev	.00030	.00033	.01455	.00014	.00023	.00076
%RSD	104.97	38.098	30.543	73.494	3.7074	340.35
#1	-.00007	-.00062	-.03734	-.00030	.00613	-.00076
#2	-.00050	-.00108	-.05791	-.00009	.00646	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8329.6**	**107160.**	**8927.3**
Stddev	10.3	201.	40.6
%RSD	.12405	.18725	.45455
#1	8322.3	107310.	8956.0
#2	8336.9	107020.	8898.6

Sample Name: 48607-f-10-b ms@10 Acquired: 11/7/2013 19:16:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00548**	**.85431**	**.09989**	**.26775**	**.21375**	**.00479**	F **.21303**	**12.038**	**.01039**	**.05134**
Stddev	.00008	.00036	.00226	.00118	.00081	.00001	.00484	.040	.00002	.00018
%RSD	1.4555	.04177	2.2653	.44221	.37891	.19572	2.2738	.33092	.19190	.36003
#1	.00554	.85406	.10149	.26691	.21432	.00478	.21646	12.066	.01040	.05121
#2	.00543	.85456	.09829	.26859	.21318	.00479	.20961	12.010	.01037	.05147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02017**	**.02516**	**.37438**	**5.2883**	**.11905**	**6.4919**	**.05795**	**.09750**	**122.28**	**.05028**
Stddev	.00025	.00079	.00237	.0348	.00060	.0046	.00011	.00007	.21	.00021
%RSD	1.2492	3.1224	.63292	.65792	.50234	.07086	.18251	.07125	.16799	.41999
#1	.01999	.02460	.37605	5.2637	.11947	6.4887	.05802	.09745	122.42	.05013
#2	.02035	.02571	.37270	5.3129	.11863	6.4952	.05787	.09754	122.13	.05043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	**.05045**	**48.796**	**.05209**	**.20185**	**2.8433**	**6.0847**	**.19736**	**.34518**	**.10045**
Stddev	.0000	.00138	.039	.00258	.00198	.0070	.0150	.00073	.00096	.00082
%RSD	.00274	2.7379	.07963	4.9583	.97996	.24696	.24696	.37196	.27782	.81511
#1	1.0029	.05143	48.769	.05026	.20045	2.8483	6.0953	.19684	.34586	.09987
#2	1.0029	.04947	48.824	.05392	.20325	2.8383	6.0740	.19787	.34451	.10103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10851**	**.19956**	**.19808**	**.05200**	**.05826**	**.05065**
Stddev	.00049	.00050	.00933	.00024	.00087	.00005
%RSD	.45540	.24983	4.7102	.45554	1.4869	.10668
#1	.10816	.19921	.20468	.05217	.05765	.05061
#2	.10886	.19992	.19148	.05183	.05888	.05068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8033.0**	**100590.**	**8676.0**
Stddev	21.9	29.	41.5
%RSD	.27257	.02930	.47867
#1	8017.6	100570.	8705.3
#2	8048.5	100610.	8646.6

Sample Name: 48607-f-10-c msd@10 Acquired: 11/7/2013 19:19:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00490**	**.83987**	**.09723**	**.26565**	**.20917**	**.00478**	F **.20683**	**11.865**	**.01026**	**.05065**
Stddev	.00077	.00217	.00217	.00048	.00124	.00006	.00076	.051	.00003	.00011
%RSD	15.818	.25879	2.2280	.18250	.59223	1.3037	.36651	.43055	.28936	.21806
#1	.00544	.84140	.09570	.26530	.20830	.00482	.20737	11.829	.01028	.05057
#2	.00435	.83833	.09876	.26599	.21005	.00474	.20630	11.901	.01024	.05073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01971**	**.02543**	**.36333**	**5.2616**	**.11705**	**6.3794**	**.05690**	**.09571**	**120.95**	**.04976**
Stddev	.00002	.00009	.00090	.0713	.00154	.0444	.00034	.00011	.20	.00031
%RSD	.09524	.35853	.24866	1.3561	1.3141	.69636	.60224	.11368	.16492	.62010
#1	.01970	.02537	.36270	5.2112	.11814	6.4108	.05714	.09578	120.81	.04954
#2	.01973	.02550	.36397	5.3121	.11596	6.3480	.05666	.09563	121.09	.04998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99166**	**.05099**	**48.574**	**.05276**	**.20212**	**2.7842**	**5.9581**	**.19467**	**.34099**	**.10246**
Stddev	.00090	.00104	.136	.00234	.00139	.0054	.0116	.00219	.00169	.00352
%RSD	.09094	2.0468	.28026	4.4352	.68630	.19464	.19464	1.1243	.49474	3.4390
#1	.99102	.05026	48.670	.05442	.20114	2.7803	5.9499	.19312	.33980	.10495
#2	.99230	.05173	48.477	.05111	.20310	2.7880	5.9663	.19622	.34218	.09997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10615**	**.19637**	**.16566**	**.05067**	**.05656**	**.04966**
Stddev	.00040	.00054	.00579	.00020	.00011	.00262
%RSD	.37735	.27304	3.4967	.39849	.19485	5.2694
#1	.10644	.19599	.16156	.05081	.05648	.04781
#2	.10587	.19675	.16976	.05052	.05664	.05151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8016.3**	**100470.**	**8652.5**
Stddev	21.3	233.	36.9
%RSD	.26586	.23144	.42675
#1	8031.3	100310.	8678.6
#2	8001.2	100640.	8626.4

Sample Name: 48607-f-10-aPDS@10 Acquired: 11/7/2013 19:21:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04323**	**1.1318**	**.21022**	**.09970**	**.11040**	**.05209**	**-.00223**	**21.064**	**.05504**	**.05458**
Stddev	.00107	.0001	.00071	.00016	.00039	.00020	.00420	.025	.00022	.00005
%RSD	2.4660	.00945	.33623	.16149	.35281	.39245	188.40	.11938	.40811	.08523
#1	.04398	1.1319	.21072	.09959	.11067	.05194	.00074	21.082	.05520	.05461
#2	.04247	1.1317	.20972	.09982	.11012	.05223	-.00519	21.047	.05488	.05455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05280**	**.05492**	**1.0532**	**21.672**	**.10671**	**20.729**	**.05447**	**.04799**	**22.386**	**.05310**
Stddev	.00012	.00020	.0047	.038	.00063	.032	.00012	.00001	.072	.00020
%RSD	.23277	.36729	.44705	.17568	.58997	.15647	.21968	.01523	.32217	.37158
#1	.05272	.05477	1.0499	21.645	.10716	20.752	.05455	.04799	22.437	.05324
#2	.05289	.05506	1.0566	21.699	.10627	20.706	.05438	.04800	22.335	.05296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0998**	**.10960**	**.00913**	**.10240**	**.20560**	**4.7770**	**10.223**	**.10028**	**.05491**	**.21703**
Stddev	.0062	.00027	.00193	.00075	.00365	.0061	.013	.00009	.00026	.00384
%RSD	.29403	.24633	21.096	.73596	1.7750	.12835	.12835	.08795	.46738	1.7704
#1	2.1042	.10941	.01049	.10293	.20302	4.7813	10.232	.10022	.05472	.21431
#2	2.0955	.10979	.00777	.10187	.20818	4.7727	10.213	.10034	.05509	.21974
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05075**	**.22152**	**.50498**	**.05370**	**.21713**	**.05319**
Stddev	.00027	.00019	.02600	.00010	.00161	.00205
%RSD	.53231	.08571	5.1489	.18883	.74314	3.8542
#1	.05094	.22139	.52337	.05362	.21827	.05464
#2	.05055	.22166	.48659	.05377	.21599	.05174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8061.9**	**102300.**	**8738.2**
Stddev	24.2	221.	21.0
%RSD	.30027	.21586	.24055
#1	8079.0	102450.	8723.3
#2	8044.8	102140.	8753.1

Sample Name: CCVH-2357613 Acquired: 11/7/2013 19:23:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00417**	**49.298**	**.00351**	**.00514**	**.00042**	**-.00015**	W **.93771**	**.00352**	**-.00049**	**-.00064**	**-.00007**	**.00965**
Stddev	.00082	.052	.00181	.00016	.00038	.00007	.00148	.00017	.00018	.00002	.00003	.00041
%RSD	19.771	.10612	51.526	3.1641	88.765	46.912	.15735	4.8373	37.546	3.6634	47.249	4.2005
#1	.00475	49.335	.00479	.00502	.00069	-.00010	.93666	.00364	-.00036	-.00066	-.00009	.00937
#2	.00359	49.261	.00223	.00525	.00016	-.00020	.93875	.00340	-.00062	-.00063	-.00005	.00994
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.972**	**.05399**	**.00100**	**.08890**	**.00044**	**.00010**	**244.99**	**-.00014**	**.00035**	**.00298**	**4.8055**	**.00367**
Stddev	.154	.00924	.00039	.00076	.00009	.00009	.19	.00006	.00017	.00012	.0003	.00043
%RSD	.32733	17.116	38.964	.85800	20.745	86.750	.07601	41.071	46.605	4.0179	.00586	11.670
#1	46.864	.04746	.00072	.08836	.00038	.00004	245.12	-.00018	.00047	.00306	4.8053	.00397
#2	47.081	.06053	.00128	.08944	.00050	.00017	244.86	-.00010	.00024	.00289	4.8057	.00337
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.00496**	**.01061**	**.00038**	**.00036**	**4.8127**	**-.00736**	**-.00017**	**10.251**	**.00098**	**.00116**	**.03592**
Stddev	.00370	.00411	.00879	.00074	.00013	.0069	.00025	.00132	.017	.00053	.00013	.00375
%RSD	398.60	82.872	82.872	194.76	34.859	.14353	3.3929	793.16	.16704	54.393	11.297	10.446
#1	-.00354	.00786	.01682	-.00014	.00045	4.8078	-.00719	.00076	10.239	.00060	.00106	.03326
#2	.00169	.00205	.00439	.00091	.00027	4.8176	-.00754	-.00110	10.263	.00135	.00125	.03857
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7966.4**	**99480.**	**8583.3**
Stddev	1.0	131.	65.7
%RSD	.01207	.13151	.76562
#1	7967.1	99572.	8536.9
#2	7965.7	99387.	8629.8

Sample Name: CCV-2357614 Acquired: 11/7/2013 19:25:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50277**	**.53297**	**.99052**	**.50821**	**.51557**	**.49765**	**.00301**	**5.0046**	**.51268**	**.51513**	**.49245**	**.51399**	**2.4197**
Stddev	.00031	.00002	.00200	.00132	.00130	.00136	.00267	.0174	.00121	.00046	.00153	.00116	.0098
%RSD	.06092	.00360	.20231	.25898	.25289	.27370	88.947	.34775	.23620	.08857	.31010	.22649	.40497
#1	.50298	.53296	.98910	.50914	.51649	.49861	.00490	5.0169	.51354	.51545	.49353	.51482	2.4267
#2	.50255	.53299	.99193	.50728	.51464	.49668	.00112	4.9923	.51182	.51480	.49137	.51317	2.4128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.537**	**.99060**	**19.566**	**.50921**	**.48482**	**5.2452**	**.50290**	**.98213**	**1.0393**	**.00101**	**1.0433**	**.99870**	**4.8786**
Stddev	.266	.00150	.006	.00147	.00045	.0207	.00063	.00751	.0017	.00044	.0007	.00553	.0086
%RSD	.52610	.15133	.03061	.28828	.09226	.39502	.12511	.76507	.15966	43.916	.07039	.55371	.17651
#1	50.725	.99166	19.562	.51025	.48514	5.2598	.50245	.98744	1.0405	.00069	1.0438	1.0026	4.8847
#2	50.349	.98954	19.570	.50817	.48450	5.2305	.50334	.97682	1.0381	.00132	1.0428	.99479	4.8725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.440**	**.98032**	**.50687**	**-.00170**	**.51576**	**1.0545**	**-.04180**	**.50417**	**.49346**	**.50924**
Stddev	.018	.00254	.00144	.00124	.00135	.0012	.02715	.00063	.00379	.00407
%RSD	.17651	.25882	.28388	72.924	.26121	.11076	64.953	.12548	.76773	.80014
#1	10.453	.98211	.50789	-.00082	.51671	1.0554	-.06099	.50372	.49078	.50636
#2	10.427	.97852	.50585	-.00257	.51481	1.0537	-.02260	.50461	.49614	.51213
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.3**	**103400.**	**8736.7**
Stddev	10.1	96.	102.1
%RSD	.12362	.09324	1.1681
#1	8129.2	103470.	8664.6
#2	8143.4	103330.	8808.9

Sample Name: CCB Acquired: 11/7/2013 19:27:59 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00116**	**.00154**	**.00140**	**.00007**	**-.00002**	**.00023**	**-.00059**	**-.00015**	**.00018**	**.00011**	**-.00069**
Stddev	.00004	.00035	.00003	.00061	.00016	.00001	.00176	.00143	.00037	.00038	.00001	.00017
%RSD	24.546	30.354	1.6781	43.347	238.26	50.958	774.09	242.62	246.87	218.17	11.730	25.268
#1	.00014	.00141	.00155	.00097	.00018	-.00003	.00147	-.00160	.00011	.00045	.00012	-.00081
#2	.00020	.00091	.00152	.00183	-.00005	-.00001	-.00102	.00042	-.00041	-.00010	.00010	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.04615**	**-.00067**	**-.00015**	**.00007**	**.00016**	**.04126**	**-.00002**	**-.00101**	**.00092**	**.00591**	W **.00510**
Stddev	.00254	.03182	.00153	.00074	.00005	.00004	.01696	.00004	.00147	.00092	.00035	.00126
%RSD	258.48	68.941	227.65	509.68	65.287	24.934	41.103	283.83	146.46	100.06	5.8641	24.647
#1	-.00278	.02365	-.00175	.00038	.00004	.00019	.05325	-.00005	.00004	.00157	.00566	.00421
#2	.00081	.06865	.00041	-.00067	.00010	.00013	.02926	.00002	-.00205	.00027	.00615	.00599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00198**	**-.01181**	**-.02527**	**.00049**	**.00005**	**.00229**	**-.00025**	**-.00098**	**-.03450**	**.00015**	**.00365**	**.00131**
Stddev	.00096	.01093	.02339	.00045	.00004	.00157	.00010	.00158	.06084	.00044	.00021	.00229
%RSD	48.550	92.554	92.554	93.348	70.681	68.380	40.081	161.00	176.34	293.29	5.7394	174.22
#1	-.00130	-.01954	-.04181	.00016	.00003	.00340	-.00032	.00014	-.07752	-.00016	.00380	.00293
#2	-.00267	-.00408	-.00873	.00081	.00008	.00118	-.00018	-.00210	.00852	.00046	.00350	-.00030
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8122.0**	**103500.**	**8632.6**
Stddev	26.2	235.	7.0
%RSD	.32266	.22692	.08090
#1	8103.5	103330.	8627.6
#2	8140.5	103660.	8637.5

Sample Name: CCVL-2363703 Acquired: 11/7/2013 19:30:16 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01120**	**.11459**	**.01641**	**.10246**	**.01108**	**.00093**	**.11952**	**.20951**	**.00532**	**.01132**	**.01038**	**.01540**	**.09745**	**3.1937**
Stddev	.00050	.00005	.00156	.00014	.00002	.00003	.00217	.00209	.00003	.00023	.00010	.00039	.00139	.0023
%RSD	4.4907	.04138	9.5095	.14080	.17311	3.5698	1.8195	.99723	.57892	1.9956	.99160	2.5297	1.4305	.07214
#1	.01084	.11456	.01751	.10256	.01110	.00095	.12106	.20803	.00534	.01116	.01046	.01567	.09647	3.1921
#2	.01155	.11463	.01531	.10235	.01107	.00091	.11798	.21099	.00530	.01148	.01031	.01512	.09844	3.1953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.21452**	**.01072**	**.01932**	**1.1246**	**.04259**	**2.9355**	**.01059**	**.00478**	**.01203**	**.01594**	**.49644**	**1.0624**	**.10255**
Stddev	.00356	.00139	.00011	.00008	.0141	.00035	.0017	.00204	.00309	.00110	.00396	.00400	.0086	.00066
%RSD	33.785	.64693	1.0672	.40540	1.2552	.82494	.05912	19.210	64.709	9.1748	24.869	.80509	.80509	.64483
#1	.01304	.21550	.01080	.01926	1.1146	.04284	2.9343	.01203	.00697	.01281	.01314	.49361	1.0563	.10208
#2	.00801	.21354	.01064	.01937	1.1346	.04234	2.9367	.00915	.00259	.01125	.01875	.49926	1.0684	.10301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01065**	**.01744**	**.01015**	**.01696**	**.05989**	**.01018**	**.02326**	**.01472**
Stddev	.00007	.00114	.00027	.00009	.02708	.00035	.00009	.00093
%RSD	.64511	6.5451	2.6208	.55404	45.209	3.4165	.39784	6.3519
#1	.01060	.01825	.01034	.01689	.07904	.01043	.02333	.01538
#2	.01070	.01664	.00996	.01702	.04075	.00994	.02320	.01406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8391.9**	**106620.**	**8822.3**
Stddev	7.2	417.	16.3
%RSD	.08544	.39117	.18440
#1	8396.9	106320.	8810.8
#2	8386.8	106910.	8833.8

Sample Name: 280-48670-a-10-b Acquired: 11/7/2013 19:32:34 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199436 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.01838**	**.00084**	**.00393**	**.00288**	**-.00003**	**.00353**	**.52449**	**.00000**	**-.00009**
Stddev	.00016	.00009	.00014	.00020	.00040	.00008	.00039	.00113	.0001	.00025
%RSD	95.301	.49522	17.131	5.1564	13.706	244.87	10.919	.21542	1897.0	292.46
#1	.00005	.01844	.00095	.00407	.00260	.00002	.00326	.52369	-.00005	-.00026
#2	.00028	.01831	.00074	.00379	.00316	-.00009	.00380	.52529	.00004	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00706**	**.00945**	**.13375**	**.00128**	**.30252**	**.00169**	**.00021**	**2.3424**	**.00243**
Stddev	.00010	.00053	.00074	.02230	.00047	.00179	.00010	.00020	.0051	.00045
%RSD	21.429	7.5353	7.8727	16.669	36.764	.59254	5.8018	96.171	.21638	18.321
#1	.00054	.00669	.00892	.14952	.00095	.30125	.00176	.00007	2.3460	.00212
#2	.00040	.00744	.00997	.11799	.00162	.30379	.00162	.00034	2.3388	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05270**	**.00140**	**1.5624**	**.00008**	**-.00177**	**.01717**	**.03675**	**.00043**	**.01061**	**.00188**
Stddev	.00099	.00062	.0049	.00069	.00081	.00846	.01810	.00038	.00019	.00028
%RSD	1.8820	44.509	.31124	870.71	45.681	49.255	49.255	89.611	1.8101	14.906
#1	.05200	.00183	1.5589	.00057	-.00234	.01119	.02395	.00016	.01047	.00168
#2	.05340	.00096	1.5658	-.00041	-.00120	.02316	.04955	.00070	.01074	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00032**	**-.02037**	**-.00002**	**.00573**	**.00190**
Stddev	.00001	.00135	.04599	.00056	.00019	.00238
%RSD	3.5628	421.55	225.74	3600.2	3.3486	125.09
#1	-.00021	.00063	.01215	-.00041	.00559	.00358
#2	-.00020	-.00127	-.05289	.00038	.00587	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8458.2**	**107640.**	**8984.8**
Stddev	32.0	49.	98.6
%RSD	.37779	.04580	1.0977
#1	8435.6	107600.	9054.5
#2	8480.8	107670.	8915.0

Sample Name: 280-48561-e-37-a@10 Acquired: 11/7/2013 19:34:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198891 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.04420**	**.01351**	**2.6443**	**.14047**	**-.00007**	**.00245**	**29.624**	**.00035**	**.00389**
Stddev	.00031	.00010	.00092	.0010	.00070	.00007	.00055	.021	.00008	.00010
%RSD	726.95	.22055	6.8210	.03975	.49833	100.45	22.397	.06952	21.792	2.4690
#1	.00018	.04427	.01416	2.6451	.14096	-.00013	.00206	29.638	.00040	.00382
#2	-.00026	.04413	.01286	2.6436	.13997	-.00002	.00284	29.609	.00029	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02465**	**.00206**	**.52881**	**61.581**	**.00937**	**46.951**	**.16659**	**.00153**	**234.26**	**.02925**
Stddev	.00010	.00027	.00289	.160	.00011	.213	.00044	.00028	.27	.00015
%RSD	.38623	13.349	.54723	.25913	1.2248	.45369	.26698	18.594	.11571	.52419
#1	.02458	.00186	.53086	61.694	.00929	47.102	.16690	.00173	234.07	.02936
#2	.02471	.00225	.52677	61.468	.00946	46.801	.16627	.00133	234.45	.02914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87304**	**.00088**	**4.1349**	**.00267**	**.00303**	**2.1707**	**4.6453**	**.00563**	**.53689**	**.00065**
Stddev	.00521	.00025	.0037	.00293	.00133	.0010	.0022	.00063	.00099	.00004
%RSD	.59700	27.839	.09017	109.91	43.904	.04759	.04759	11.136	.18469	5.7689
#1	.86935	.00106	4.1322	.00474	.00209	2.1700	4.6437	.00518	.53759	.00068
#2	.87672	.00071	4.1375	.00059	.00397	2.1714	4.6468	.00607	.53619	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07287**	**-.00009**	**-.02825**	**.02782**	**.02822**	**.00753**
Stddev	.00016	.00061	.00039	.00020	.00043	.00264
%RSD	.21603	718.29	1.3851	.73188	1.5141	35.002
#1	.07276	-.00052	-.02797	.02767	.02792	.00567
#2	.07298	.00035	-.02853	.02796	.02852	.00939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7947.3**	**100600.**	**9034.2**
Stddev	5.3	294.	25.3
%RSD	.06663	.29249	.28021
#1	7943.6	100400.	9052.1
#2	7951.1	100810.	9016.3

Sample Name: 48561-e-37-aSD@50 Acquired: 11/7/2013 19:37:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198891 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.02016**	**.00271**	**.54957**	**.02890**	**-.00003**	**.00046**	**6.0827**	**.00005**	**.00056**
Stddev	.00020	.00007	.00079	.00062	.00058	.00008	.00254	.0441	.00007	.00009
%RSD	614.92	.34674	29.098	.11196	2.0043	269.34	554.14	.72560	136.23	16.107
#1	-.00011	.02011	.00215	.55001	.02849	.00003	.00225	6.0515	.00000	.00050
#2	.00018	.02021	.00327	.54914	.02931	-.00009	-.00134	6.1139	.00011	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00518**	**.00030**	**.12220**	**12.397**	**.00129**	**9.6218**	**.03462**	**.00043**	**47.904**	**.00636**
Stddev	.00009	.00008	.00054	.098	.00044	.0273	.00002	.00011	.206	.00022
%RSD	1.8080	26.938	.44058	.79047	33.891	.28369	.06316	26.324	.42979	3.4034
#1	.00524	.00036	.12181	12.327	.00160	9.6411	.03464	.00035	47.759	.00621
#2	.00511	.00025	.12258	12.466	.00098	9.6025	.03461	.00051	48.050	.00652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17331**	**.00017**	**.81544**	**.00357**	**-.00131**	**.42606**	**.91177**	**.00375**	**.10965**	**.00268**
Stddev	.00212	.00028	.00394	.00029	.00403	.02678	.05731	.00051	.00116	.00062
%RSD	1.2251	167.16	.48314	8.0297	308.46	6.2850	6.2850	13.667	1.0624	23.148
#1	.17481	.00037	.81265	.00377	.00154	.40713	.87125	.00339	.10882	.00224
#2	.17181	-.00003	.81822	.00337	-.00416	.44500	.95229	.00412	.11047	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01462**	**-.00023**	**-.02606**	**.00588**	**.01037**	**.00076**
Stddev	.00016	.00028	.03376	.00015	.00021	.00304
%RSD	1.1016	120.49	129.55	2.6084	2.0448	401.65
#1	.01451	-.00003	-.04993	.00599	.01052	.00291
#2	.01474	-.00042	-.00219	.00577	.01022	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8138.5**	**103590.**	**8958.2**
Stddev	29.4	565.	23.7
%RSD	.36156	.54527	.26474
#1	8159.3	103190.	8974.9
#2	8117.7	103990.	8941.4

Sample Name: 48561-e-37-b ms@10 Acquired: 11/7/2013 19:39:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198891 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00480**	**.24942**	**.10940**	**2.6607**	**.33557**	**.00476**	F **.20658**	**33.184**	**.01101**	**.05332**
Stddev	.00008	.00000	.00251	.0018	.00079	.00004	.00221	.018	.00025	.00043
%RSD	1.6317	.00139	2.2961	.06833	.23581	.86960	1.0693	.05393	2.2975	.81354
#1	.00474	.24942	.10762	2.6620	.33501	.00473	.20502	33.197	.01084	.05301
#2	.00485	.24942	.11117	2.6594	.33613	.00479	.20815	33.172	.01119	.05362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04342**	**.02782**	**.60295**	**64.064**	**.10270**	**50.633**	**.21115**	**.09742**	**229.68**	**.07659**
Stddev	.00010	.00048	.00327	.160	.00408	.179	.00041	.00029	.36	.00019
%RSD	.23135	1.7251	.54182	.25001	3.9701	.35266	.19267	.30195	.15550	.24882
#1	.04349	.02748	.60064	63.951	.10558	50.759	.21144	.09763	229.93	.07672
#2	.04335	.02816	.60526	64.178	.09982	50.507	.21087	.09722	229.42	.07645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8414**	**.04991**	**3.9930**	**.05123**	**.19436**	**2.7719**	**5.9318**	**.19340**	**.61349**	**.09172**
Stddev	.0030	.00097	.0132	.00021	.00138	.0071	.0151	.00031	.00064	.00256
%RSD	.16285	1.9452	.33125	.41154	.70993	.25467	.25467	.15866	.10363	2.7947
#1	1.8393	.04923	3.9837	.05108	.19533	2.7768	5.9425	.19318	.61304	.08990
#2	1.8435	.05060	4.0024	.05138	.19338	2.7669	5.9211	.19362	.61394	.09353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17408**	**.19182**	**.18745**	**.07732**	**.07577**	**.05207**
Stddev	.00001	.00110	.00153	.00031	.00032	.00139
%RSD	.00425	.57338	.81407	.40680	.42513	2.6749
#1	.17408	.19260	.18853	.07709	.07600	.05306
#2	.17409	.19104	.18637	.07754	.07555	.05109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7816.8**	**98922.**	**8797.5**
Stddev	9.4	269.	13.0
%RSD	.12028	.27214	.14734
#1	7810.2	98731.	8806.6
#2	7823.5	99112.	8788.3

Sample Name: 48561-e-37-c msd@10 Acquired: 11/7/2013 19:41:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198891 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00484**	**.24377**	**.10913**	**2.5570**	**.32663**	**.00472**	F **.20509**	**31.790**	**.01095**	**.05235**
Stddev	.00134	.00029	.00270	.0040	.00202	.00002	.00197	.182	.00016	.00035
%RSD	27.671	.11882	2.4747	.15836	.61986	.52291	.96169	.57311	1.4674	.67261
#1	.00579	.24397	.10722	2.5541	.32806	.00474	.20649	31.919	.01083	.05260
#2	.00389	.24356	.11104	2.5599	.32519	.00470	.20370	31.661	.01106	.05210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04189**	**.02728**	**.57969**	**61.469**	**.10034**	**48.149**	**.20211**	**.09605**	**219.88**	**.07430**
Stddev	.00008	.00016	.00385	.434	.00041	.002	.00056	.00024	1.60	.00020
%RSD	.19172	.59221	.66411	.70568	.40943	.00459	.27746	.25374	.72774	.27382
#1	.04195	.02739	.58241	61.776	.10063	48.150	.20171	.09623	221.02	.07444
#2	.04183	.02716	.57697	61.163	.10005	48.147	.20251	.09588	218.75	.07416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7882**	**.04930**	**3.8248**	**.05223**	**.19224**	**2.6812**	**5.7377**	**.19091**	**.58877**	**.09127**
Stddev	.0010	.00037	.0026	.00120	.00165	.0307	.0658	.00138	.00477	.00287
%RSD	.05633	.74367	.06675	2.2901	.85819	1.1467	1.1467	.72052	.81077	3.1477
#1	1.7889	.04956	3.8266	.05307	.19108	2.6594	5.6912	.19188	.59214	.09331
#2	1.7875	.04904	3.8230	.05138	.19341	2.7029	5.7842	.18994	.58539	.08924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16822**	**.18988**	**.17733**	**.07578**	**.07433**	**.05290**
Stddev	.00028	.00195	.03273	.00075	.00050	.00140
%RSD	.16697	1.0257	18.458	.99384	.67447	2.6416
#1	.16841	.18850	.15418	.07631	.07468	.05389
#2	.16802	.19126	.20047	.07524	.07397	.05192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7887.7**	**98989.**	**8792.6**
Stddev	40.8	400.	30.5
%RSD	.51765	.40372	.34744
#1	7858.9	98706.	8771.0
#2	7916.6	99271.	8814.2

Sample Name: 280-48709-a-4-a Acquired: 11/7/2013 19:44:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199156 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.01527**	**2.7179**	**.29888**	**.00451**	**-.00009**	**.00200**	**102.27**	**.26817**	**.01703**
Stddev	.00019	.00005	.0011	.00183	.00002	.00006	.00199	.62	.00037	.00005
%RSD	204.36	.32470	.03994	.61069	.40045	62.090	99.247	.61014	.13791	.29672
#1	.00023	.01531	2.7171	.29759	.00450	-.00005	.00341	101.83	.26791	.01707
#2	-.00004	.01524	2.7186	.30017	.00452	-.00013	.00060	102.71	.26843	.01700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00189**	**2.7507**	**4.9966**	**.03149**	**15.618**	**2.7857**	**.00185**	**90.145**	**.01612**
Stddev	.00004	.00010	.0115	.0605	.00288	.009	.0004	.00041	.320	.00012
%RSD	15.519	5.2489	.41633	1.2106	9.1420	.05943	.01560	22.078	.35527	.74064
#1	.00021	.00182	2.7426	4.9538	.02945	15.611	2.7860	.00156	89.919	.01604
#2	.00027	.00196	2.7588	5.0394	.03352	15.624	2.7854	.00214	90.372	.01621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03037**	**.00097**	**114.57**	**.00734**	**.00389**	**2.2928**	**4.9065**	**.00239**	**.40942**	**.00207**
Stddev	.00026	.00007	.09	.00140	.00264	.0341	.0730	.00009	.00079	.00150
%RSD	.86879	6.9765	.07684	19.093	67.872	1.4883	1.4883	3.7395	.19175	72.343
#1	.03055	.00102	114.51	.00635	.00202	2.2686	4.8549	.00232	.40887	.00101
#2	.03018	.00093	114.64	.00833	.00576	2.3169	4.9582	.00245	.40998	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01310**	**.00917**	**-.03573**	**.00066**	**.64899**	**.00091**
Stddev	.00018	.00061	.00020	.00041	.00307	.00068
%RSD	1.3621	6.6602	.56789	61.559	.47244	75.031
#1	.01322	.00960	-.03588	.00095	.64682	.00139
#2	.01297	.00873	-.03559	.00037	.65115	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7826.0**	**99557.**	**8701.4**
Stddev	3.9	18.	57.1
%RSD	.04940	.01775	.65662
#1	7828.7	99569.	8741.8
#2	7823.2	99544.	8661.0

Sample Name: 280-48709-a-6-a Acquired: 11/7/2013 19:46:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199156 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.01284**	**2.7330**	**.32176**	**.00708**	**-.00002**	**.00187**	**103.71**	**.46024**	**.01757**
Stddev	.00064	.00002	.0045	.00211	.00069	.00008	.00142	.72	.00004	.00030
%RSD	381.98	.14287	.16572	.65462	9.7388	327.02	76.118	.69148	.00811	1.6931
#1	.00029	.01283	2.7298	.32027	.00757	.00003	.00086	104.22	.46027	.01778
#2	-.00062	.01285	2.7362	.32325	.00659	-.00008	.00287	103.20	.46022	.01736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00529**	**.38111**	**5.3850**	**.03187**	**15.570**	**3.1051**	**.00194**	**93.717**	**.01521**
Stddev	.00008	.00056	.00272	.0766	.00124	.046	.0323	.00011	.757	.00035
%RSD	30.186	10.653	.71498	1.4229	3.8794	.29837	1.0408	5.7330	.80764	2.3202
#1	.00031	.00489	.37919	5.4392	.03100	15.603	3.1279	.00186	94.252	.01496
#2	.00020	.00569	.38304	5.3309	.03274	15.537	3.0822	.00202	93.182	.01546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03830**	**.00139**	**101.63**	**.01134**	**.00312**	**2.6140**	**5.5940**	**.00239**	**.42904**	**.00325**
Stddev	.00060	.00106	.09	.00078	.00353	.0046	.0098	.00076	.00223	.00047
%RSD	1.5683	75.888	.09062	6.8471	113.07	.17606	.17606	31.673	.51976	14.394
#1	.03873	.00065	101.57	.01079	.00562	2.6173	5.6009	.00293	.43062	.00292
#2	.03788	.00214	101.70	.01189	.00063	2.6107	5.5870	.00185	.42746	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.01701**	**-.04474**	**.00102**	**1.1118**	**.00072**
Stddev	.00024	.00033	.02007	.00045	.0062	.00169
%RSD	68.930	1.9688	44.864	44.700	.55893	236.48
#1	-.00053	.01724	-.03055	.00134	1.1162	-.00048
#2	-.00018	.01677	-.05893	.00070	1.1074	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7785.2**	**98814.**	**8543.0**
Stddev	25.4	121.	123.7
%RSD	.32643	.12246	1.4475
#1	7767.3	98899.	8455.5
#2	7803.2	98728.	8630.4

Sample Name: 280-48709-a-5-a@10 Acquired: 11/7/2013 19:48:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199156 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.02175**	W **18.627**	**.06950**	**.00502**	**-.00010**	**.00275**	**57.249**	**1.5475**	**.00978**
Stddev	.00093	.00007	.002	.00002	.00015	.00004	.00056	.112	.0004	.00013
%RSD	716.78	.32685	.01165	.03403	3.0134	35.264	20.325	.19541	.02496	1.3092
#1	.00053	.02170	18.626	.06948	.00492	-.00013	.00236	57.328	1.5472	.00969
#2	-.00078	.02180	18.629	.06952	.00513	-.00008	.00315	57.169	1.5478	.00987
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000							
Low Limit			-.01000							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00883**	**.05342**	**1.8512**	**.01851**	**7.0005**	**1.0150**	**.00128**	**37.681**	**.00695**
Stddev	.00006	.00020	.00050	.0129	.00277	.0242	.0004	.00001	.598	.00038
%RSD	25.252	2.3076	.93659	.69516	14.958	.34494	.04115	.41478	1.5873	5.5267
#1	.00027	.00898	.05378	1.8603	.01655	6.9834	1.0147	.00129	38.104	.00668
#2	.00019	.00869	.05307	1.8421	.02047	7.0176	1.0153	.00128	37.258	.00722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02096**	**.00208**	**46.947**	**.01043**	**.00888**	**1.6160**	**3.4583**	**.00350**	**.21193**	**.00263**
Stddev	.00250	.00011	.071	.00121	.00292	.0106	.0227	.00089	.00018	.00164
%RSD	11.927	5.0770	.15041	11.619	32.880	.65566	.65566	25.513	.08706	62.512
#1	.01919	.00201	46.898	.01128	.00682	1.6085	3.4423	.00413	.21206	.00146
#2	.02273	.00216	46.997	.00957	.01095	1.6235	3.4743	.00287	.21180	.00379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.01037**	**-.02881**	**.00007**	**1.3977**	**-.00078**
Stddev	.00011	.00026	.00482	.00037	.0035	.00410
%RSD	52.443	2.4884	16.727	517.93	.25092	527.48
#1	-.00028	.01019	-.02540	-.00019	1.3953	-.00368
#2	-.00013	.01055	-.03222	.00033	1.4002	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7964.2**	**101000.**	**8695.9**
Stddev	1.4	66.	58.3
%RSD	.01702	.06579	.67072
#1	7965.1	100960.	8654.6
#2	7963.2	101050.	8737.1

Sample Name: CCVH-2357613 Acquired: 11/7/2013 19:50:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**49.266**	**.00585**	**.00829**	**.00029**	**-.00010**	W **.92856**	**-.00021**	**-.00045**	**-.00065**	**-.00013**	**.00909**
Stddev	.00042	.125	.00513	.00014	.00032	.00006	.00329	.00196	.00023	.00009	.00008	.00005
%RSD	10.707	.25404	87.674	1.6698	110.97	60.033	.35412	916.15	50.252	14.174	60.147	.57824
#1	.00364	49.355	.00222	.00819	.00006	-.00014	.93089	.00117	-.00029	-.00071	-.00018	.00913
#2	.00424	49.178	.00947	.00838	.00052	-.00006	.92624	-.00160	-.00061	-.00058	-.00007	.00905
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.371**	**.07222**	**.00107**	**.09122**	**.00048**	**-.00028**	**244.50**	**-.00007**	**.00165**	**.00131**	**4.8259**	**.00312**
Stddev	.036	.00777	.00055	.00145	.00005	.00005	.02	.00007	.00233	.00105	.0113	.00113
%RSD	.07756	10.766	51.476	1.5919	9.9451	16.505	.00931	98.324	141.49	80.242	.23323	36.309
#1	46.396	.07772	.00147	.09224	.00045	-.00025	244.52	-.00011	.00000	.00057	4.8338	.00232
#2	46.345	.06672	.00068	.09019	.00052	-.00031	244.48	-.00002	.00329	.00206	4.8179	.00392
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**-.01016**	**-.02175**	**.00078**	**.00037**	**4.8295**	**-.00678**	**.00053**	**10.419**	**.00091**	**.00122**	**.02953**
Stddev	.00326	.00092	.00196	.00069	.00012	.0194	.00049	.00079	.002	.00006	.00052	.00249
%RSD	206.03	9.0088	9.0088	88.698	31.181	.40179	7.2764	148.60	.01618	7.0424	42.861	8.4302
#1	.00072	-.01081	-.02314	.00127	.00029	4.8432	-.00713	.00109	10.420	.00087	.00159	.02777
#2	-.00389	-.00952	-.02037	.00029	.00046	4.8158	-.00643	-.00003	10.418	.00096	.00085	.03129
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7903.9**	**98712.**	**8623.2**
Stddev	20.7	400.	28.5
%RSD	.26185	.40503	.33021
#1	7889.3	98429.	8643.4
#2	7918.6	98995.	8603.1

Sample Name: CCV-2357614 Acquired: 11/7/2013 19:53:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50408**	**.53569**	**.98186**	**.50527**	**.51764**	**.49599**	**.00347**	**4.9711**	**.51022**	**.51718**	**.48922**	**.51582**	**2.4035**
Stddev	.00220	.00088	.00216	.00082	.00052	.00148	.00213	.0141	.00026	.00043	.00043	.00186	.0148
%RSD	.43578	.16378	.22044	.16323	.09990	.29882	61.375	.28423	.05166	.08234	.08750	.36155	.61504
#1	.50564	.53631	.98339	.50468	.51728	.49494	.00196	4.9611	.51040	.51748	.48892	.51714	2.3931
#2	.50253	.53507	.98033	.50585	.51801	.49704	.00498	4.9811	.51003	.51687	.48952	.51450	2.4140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.269**	**.98567**	**19.536**	**.51376**	**.48044**	**5.2963**	**.50141**	**.96935**	**1.0351**	**.00507**	**1.0357**	**.98389**	**4.8288**
Stddev	.096	.00146	.021	.00112	.00260	.0113	.00147	.00470	.0049	.00160	.0012	.00792	.0216
%RSD	.19054	.14820	.10994	.21847	.54020	.21270	.29303	.48533	.46912	31.498	.11449	.80533	.44805
#1	50.201	.98464	19.551	.51455	.47861	5.3043	.50037	.96602	1.0316	.00394	1.0349	.97829	4.8135
#2	50.336	.98670	19.521	.51297	.48228	5.2883	.50244	.97267	1.0385	.00620	1.0365	.98949	4.8441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.334**	**.96551**	**.50625**	**-.00045**	**.52141**	**1.0501**	**-.04592**	**.50404**	**.49378**	**.50941**
Stddev	.046	.00114	.00097	.00289	.00209	.0037	.02457	.00087	.00023	.00023
%RSD	.44805	.11822	.19065	636.76	.40146	.35605	53.514	.17284	.04604	.04589
#1	10.301	.96470	.50557	-.00250	.52289	1.0475	-.02854	.50342	.49394	.50925
#2	10.366	.96632	.50693	.00159	.51993	1.0528	-.06329	.50466	.49362	.50958
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8101.8**	**101640.**	**8711.0**
Stddev	36.7	325.	47.6
%RSD	.45248	.32013	.54666
#1	8127.8	101870.	8744.7
#2	8075.9	101410.	8677.3

Sample Name: CCB Acquired: 11/7/2013 19:55:17 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00030**	**-.00001**	**.00366**	**.00041**	**-.00006**	**.00222**	**-.00360**	**-.00006**	**.00013**	**.00007**	**-.00114**
Stddev	.00027	.00050	.00091	.00024	.00038	.00003	.00164	.00221	.00015	.00013	.00008	.00024
%RSD	94.801	165.82	8732.9	6.6858	91.255	54.229	73.740	61.262	244.72	93.596	113.02	21.006
#1	-.00048	-.00005	.00064	.00383	.00068	-.00003	.00338	-.00516	.00005	.00005	.00001	-.00097
#2	-.00010	.00066	-.00066	.00349	.00015	-.00008	.00106	-.00204	-.00017	.00022	.00013	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**.04620**	**.00063**	**-.00081**	**-.00001**	**.00017**	**.08702**	**.00002**	**.00065**	**.00017**	**.01185**	W **.00495**
Stddev	.00038	.01311	.00029	.00056	.00004	.00003	.01360	.00004	.00156	.00060	.00159	.00107
%RSD	24.572	28.377	45.250	68.890	369.83	15.004	15.623	146.23	238.92	343.57	13.427	21.603
#1	-.00182	.05547	.00043	-.00041	.00002	.00019	.09664	.00000	-.00045	-.00025	.01073	.00570
#2	-.00128	.03693	.00083	-.00120	-.00004	.00016	.07741	.00005	.00176	.00060	.01298	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**-.02267**	**-.04851**	**.00041**	**.00002**	**.00406**	**-.00007**	**-.00088**	**-.04507**	**.00006**	**.00339**	**.00111**
Stddev	.00086	.00779	.01667	.00016	.00005	.00097	.00037	.00187	.00254	.00035	.00033	.00289
%RSD	47.959	34.354	34.354	38.238	254.28	24.004	530.27	212.54	5.6300	564.59	9.6156	260.57
#1	.00241	-.02818	-.06030	.00052	.00006	.00474	-.00033	.00044	-.04327	.00031	.00316	-.00093
#2	.00119	-.01716	-.03673	.00030	-.00002	.00337	.00019	-.00220	-.04686	-.00019	.00362	.00315
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.4**	**103110.**	**8609.3**
Stddev	3.4	771.	12.5
%RSD	.04184	.74729	.14550
#1	8088.8	102560.	8600.4
#2	8084.0	103650.	8618.2

Sample Name: CCVL2363703 Acquired: 11/7/2013 19:57:35 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.11571**	**.01613**	**.10436**	**.01095**	**.00092**	**.11847**	**.20479**	**.00540**	**.01115**	**.01029**	**.01526**	**.10167**
Stddev	.00039	.00068	.00334	.00169	.00037	.00008	.00050	.00004	.00025	.00003	.00004	.00002	.00093
%RSD	3.5537	.59022	20.687	1.6210	3.3352	8.7195	.42112	.02181	4.6254	.23860	.39873	.13792	.91839
#1	.01118	.11619	.01377	.10556	.01121	.00086	.11882	.20482	.00558	.01113	.01026	.01527	.10101
#2	.01063	.11523	.01849	.10317	.01070	.00097	.11812	.20475	.00522	.01117	.01032	.01524	.10233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2020**	**.01111**	**.21390**	**.01091**	**.01928**	**1.1647**	**.04250**	**2.9291**	**.01030**	**.00785**	**.01186**	**.01300**	**.46058**
Stddev	.0440	.00085	.00155	.00004	.00047	.0056	.00009	.0235	.00141	.00095	.00102	.00035	.01293
%RSD	1.3743	7.6560	.72587	.39142	2.4480	.47798	.20603	.80117	13.684	12.058	8.6211	2.7056	2.8070
#1	3.1709	.01051	.21280	.01094	.01895	1.1686	.04256	2.9456	.00931	.00852	.01114	.01325	.46972
#2	3.2332	.01172	.21499	.01088	.01961	1.1608	.04244	2.9125	.01130	.00718	.01258	.01275	.45144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98564**	**.10140**	**.01050**	**.01932**	**.01055**	**.01712**	F **.03042**	**.01046**	**.02296**	**.01633**
Stddev	.02767	.00071	.00003	.00086	.00039	.00054	.00151	.00054	.00077	.00072
%RSD	2.8070	.69964	.26540	4.4601	3.6938	3.1300	4.9633	5.1159	3.3612	4.4300
#1	1.0052	.10190	.01052	.01993	.01083	.01674	.02935	.01008	.02351	.01684
#2	.96608	.10090	.01048	.01871	.01028	.01750	.03149	.01084	.02241	.01581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8373.5**	**105900.**	**8852.8**
Stddev	15.6	128.	11.8
%RSD	.18613	.12049	.13329
#1	8362.5	105810.	8844.5
#2	8384.5	105990.	8861.2

Sample Name: mb 280-198890/1-a Acquired: 11/7/2013 19:59:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00321**	**.00175**	**.00212**	**.00039**	**-.00002**	**.00353**	**.00692**	**-.00018**	**.00014**
Stddev	.00030	.00010	.00266	.00026	.00009	.00003	.00076	.00226	.00000	.00007
%RSD	213.94	3.1927	151.67	12.167	22.498	170.56	21.674	32.659	1.7293	50.674
#1	.00035	.00314	-.00013	.00230	.00045	.00000	.00407	.00852	-.00018	.00009
#2	-.00007	.00328	.00363	.00194	.00033	-.00004	.00299	.00532	-.00018	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00070**	**.00451**	**.03551**	**.00068**	**.00255**	**.00019**	**-.00001**	**.06462**	**.00009**
Stddev	.00011	.00034	.00013	.01550	.00020	.00034	.00007	.00027	.00321	.00017
%RSD	46.669	48.657	2.8275	43.659	29.923	13.503	33.838	2020.0	4.9741	193.44
#1	.00033	-.00094	.00460	.02455	.00082	.00230	.00024	-.00021	.06689	-.00003
#2	.00016	-.00046	.00442	.04647	.00054	.00279	.00015	.00018	.06235	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00062**	**.00971**	**.00139**	**.00128**	**-.01411**	**-.03020**	**.00024**	**.00006**	**.00191**
Stddev	.00067	.00110	.00194	.00082	.00045	.00197	.00422	.00027	.00004	.00133
%RSD	332.18	178.41	20.016	58.565	34.851	13.986	13.986	116.18	78.544	69.765
#1	.00027	.00140	.01108	.00197	.00097	-.01271	-.02721	.00043	.00009	.00285
#2	-.00067	-.00016	.00834	.00082	.00160	-.01551	-.03318	.00004	.00003	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00005**	**.00743**	**-.00030**	**.00269**	**.00068**
Stddev	.00006	.00048	.00731	.00040	.00028	.00063
%RSD	25.596	881.12	98.413	132.67	10.344	92.773
#1	-.00018	-.00040	.00226	-.00059	.00288	.00024
#2	-.00026	.00029	.01259	-.00002	.00249	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8336.1**	**107100.**	**8930.4**
Stddev	23.6	607.	24.2
%RSD	.28312	.56689	.27148
#1	8352.7	106670.	8913.3
#2	8319.4	107530.	8947.6

Sample Name: lcs 280-198890/2-a Acquired: 11/7/2013 20:02:11 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05209**	**2.0631**	**1.0047**	**1.0290**	**2.1339**	**.05023**	**2.1453**	**49.781**	**.10869**	**.51342**
Stddev	.00010	.0106	.0060	.0027	.0052	.00024	.0056	.220	.00018	.00004
%RSD	.19460	.51315	.59843	.25768	.24230	.48079	.26318	.44253	.16596	.00787
#1	.05202	2.0556	1.0004	1.0271	2.1376	.05040	2.1413	49.937	.10856	.51345
#2	.05216	2.0706	1.0089	1.0308	2.1303	.05006	2.1493	49.625	.10882	.51339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19968**	**.26521**	**.98003**	**51.855**	**1.0094**	**49.339**	**.51610**	**.97836**	**51.663**	**.49636**
Stddev	.00076	.00106	.00432	.223	.0001	.050	.00092	.00476	.185	.00066
%RSD	.37911	.40084	.44116	.42994	.00725	.10061	.17919	.48603	.35715	.13370
#1	.19915	.26446	.97697	52.013	1.0094	49.374	.51545	.97500	51.794	.49589
#2	.20022	.26596	.98308	51.698	1.0093	49.304	.51676	.98173	51.533	.49682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.070**	**.50951**	**-.00382**	**.52453**	**2.0309**	**9.9535**	**21.301**	**1.9455**	**1.0416**	**1.0317**
Stddev	.029	.00001	.00420	.00022	.0078	.0094	.020	.0001	.0038	.0034
%RSD	.28431	.00218	109.98	.04214	.38247	.09434	.09434	.00680	.36210	.32599
#1	10.050	.50950	-.00085	.52469	2.0254	9.9469	21.286	1.9454	1.0443	1.0293
#2	10.090	.50952	-.00680	.52438	2.0364	9.9602	21.315	1.9456	1.0390	1.0341
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0672**	**2.0604**	**2.2396**	**.51856**	**.49435**	**.52915**
Stddev	.0027	.0006	.0456	.00267	.00193	.00570
%RSD	.25749	.03175	2.0358	.51552	.39112	1.0771
#1	1.0652	2.0608	2.2718	.51666	.49298	.53318
#2	1.0691	2.0599	2.2074	.52045	.49572	.52512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8149.4**	**100830.**	**8873.7**
Stddev	8.4	61.	93.8
%RSD	.10311	.06045	1.0565
#1	8143.5	100870.	8807.4
#2	8155.4	100790.	8940.0

Sample Name: 280-48623-c-1-d Acquired: 11/7/2013 20:04:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.01390**	**-.00104**	**.09464**	**.26427**	**-.00003**	**-.00167**	**124.49**	**.00028**	**.00096**
Stddev	.00048	.00005	.00365	.00029	.00093	.00003	.00071	.29	.00003	.00030
%RSD	147.75	.32680	351.54	.31163	.35056	111.87	42.449	.22974	10.706	30.902
#1	-.00066	.01393	.00154	.09443	.26493	-.00005	-.00117	124.69	.00026	.00117
#2	.00001	.01386	-.00362	.09484	.26362	-.00001	-.00218	124.28	.00030	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00036**	**.02878**	**1.1085**	**.03437**	**19.253**	**.21293**	**.00233**	**67.795**	**.00333**
Stddev	.00002	.00013	.00012	.0540	.00197	.030	.00058	.00007	.140	.00065
%RSD	9.0305	37.075	.41903	4.8725	5.7360	.15679	.27449	2.8403	.20650	19.512
#1	.00020	.00026	.02870	1.0703	.03577	19.275	.21334	.00228	67.894	.00378
#2	.00018	.00045	.02887	1.1467	.03298	19.232	.21251	.00238	67.696	.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12337**	**.00085**	**7.9971**	**.00241**	**.00043**	**11.302**	**24.187**	**.00013**	**1.3484**	**.00168**
Stddev	.00029	.00018	.0036	.00091	.00133	.019	.040	.00048	.0000	.00125
%RSD	.23686	21.363	.04437	37.733	311.82	.16432	.16432	381.41	.00280	74.287
#1	.12316	.00097	7.9946	.00177	.00136	11.315	24.215	.00046	1.3484	.00080
#2	.12358	.00072	7.9996	.00306	-.00051	11.289	24.159	-.00021	1.3483	.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00065**	**-.01822**	**.00222**	**.00482**	**.00295**
Stddev	.00001	.00026	.02528	.00027	.00042	.00118
%RSD	4.8032	39.345	138.69	11.984	8.8050	40.084
#1	.00018	.00047	-.00035	.00203	.00512	.00211
#2	.00017	.00083	-.03610	.00241	.00452	.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8045.9**	**102170.**	**9065.6**
Stddev	28.4	431.	78.9
%RSD	.35338	.42188	.87075
#1	8066.0	102470.	9009.8
#2	8025.8	101860.	9121.4

Sample Name: 280-48623-c-1-dSD@5 Acquired: 11/7/2013 20:06:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.01391**	**.00087**	**.02055**	**.05378**	**-.00007**	**-.00082**	**24.879**	**-.00002**	**.00020**
Stddev	.00022	.00023	.00056	.00054	.00005	.00007	.00224	.011	.00015	.00017
%RSD	159.24	1.6356	63.986	2.6376	.09037	95.165	272.90	.04371	827.77	86.150
#1	.00002	.01407	.00127	.02017	.05375	-.00002	-.00240	24.871	-.00013	.00032
#2	-.00029	.01375	.00048	.02093	.05382	-.00012	.00076	24.886	.00009	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00071**	**.02183**	**.26751**	**.00886**	**3.9238**	**.04329**	**.00038**	**13.765**	**.00100**
Stddev	.00006	.00012	.00322	.00238	.00009	.0137	.00020	.00004	.339	.00003
%RSD	42.187	16.870	14.752	.89141	1.0403	.34808	.46737	9.2194	2.4616	3.1526
#1	.00010	-.00063	.01955	.26919	.00892	3.9334	.04343	.00041	13.526	.00102
#2	.00018	-.00079	.02410	.26582	.00879	3.9141	.04315	.00036	14.005	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02694**	**.00010**	**1.5247**	**.00080**	**.00054**	**2.2100**	**4.7295**	**.00188**	**.26836**	**.00323**
Stddev	.00064	.00025	.0132	.00399	.00017	.0036	.0077	.00008	.00042	.00128
%RSD	2.3916	263.21	.86827	499.84	32.273	.16288	.16288	4.1800	.15530	39.788
#1	.02648	-.00008	1.5341	-.00202	.00066	2.2075	4.7240	.00182	.26807	.00414
#2	.02739	.00027	1.5154	.00362	.00042	2.2126	4.7349	.00193	.26866	.00232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00007**	W **-.05998**	**.00008**	**.01923**	**.00057**
Stddev	.00007	.00079	.00537	.00025	.00008	.00034
%RSD	16.146	1109.8	8.9494	308.47	.43136	60.260
#1	-.00038	.00063	-.06378	.00025	.01917	.00033
#2	-.00048	-.00049	-.05618	-.00009	.01929	.00081
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8246.2**	**104850.**	**8938.7**
Stddev	27.4	666.	25.5
%RSD	.33186	.63491	.28525
#1	8226.9	104380.	8956.8
#2	8265.6	105320.	8920.7

Sample Name: 280-48623-c-1-e ms Acquired: 11/7/2013 20:08:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05138**	**1.9759**	**.99381**	**1.0998**	**2.3389**	**.04946**	F **2.0705**	**173.03**	**.10685**	**.49480**
Stddev	.00026	.0034	.00080	.0007	.0007	.00003	.0096	.12	.00037	.00033
%RSD	.50019	.17216	.08070	.06169	.02803	.06272	.46149	.06986	.34512	.06571
#1	.05120	1.9735	.99438	1.1003	2.3384	.04944	2.0773	173.11	.10712	.49457
#2	.05156	1.9783	.99324	1.0993	2.3394	.04948	2.0638	172.94	.10659	.49503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19448**	**.26155**	**.99461**	**52.387**	**1.0254**	**67.360**	**.71631**	**.96711**	**118.95**	**.48075**
Stddev	.00041	.00008	.00296	.024	.0003	.165	.00087	.00033	.49	.00126
%RSD	.21054	.03149	.29750	.04527	.02534	.24508	.12194	.03411	.41431	.26197
#1	.19477	.26161	.99252	52.404	1.0252	67.477	.71693	.96688	119.30	.47986
#2	.19419	.26149	.99671	52.371	1.0255	67.243	.71569	.96735	118.61	.48164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.167**	**.48443**	**8.0976**	**.51520**	**1.9927**	**21.296**	**45.572**	**1.8933**	**2.3754**	**1.0109**
Stddev	.002	.00034	.0167	.00204	.0066	.079	.169	.0057	.0002	.0033
%RSD	.01705	.06972	.20630	.39685	.33306	.37163	.37163	.30008	.00879	.32967
#1	10.168	.48419	8.1094	.51375	1.9974	21.351	45.692	1.8973	2.3752	1.0085
#2	10.166	.48467	8.0858	.51664	1.9880	21.240	45.453	1.8893	2.3755	1.0132
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0520**	**1.9191**	**2.1734**	**.51205**	**.47773**	**.51791**
Stddev	.0024	.0080	.0434	.00066	.00168	.00449
%RSD	.22408	.41904	1.9984	.12983	.35069	.86657
#1	1.0537	1.9248	2.2042	.51158	.47655	.52109
#2	1.0504	1.9134	2.1427	.51252	.47891	.51474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7880.5**	**99125.**	**8876.6**
Stddev	.5	149.	1.3
%RSD	.00588	.14992	.01417
#1	7880.2	99020.	8877.5
#2	7880.8	99230.	8875.8

Sample Name: 280-48623-c-1-f msd Acquired: 11/7/2013 20:11:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05206	2.0023	.99899	1.1020	2.3724	.04990	F 2.0883	174.68	.10748	.50000
Stddev	.00008	.0007	.00293	.0016	.0072	.00020	.0005	.35	.00001	.00007
%RSD	.14735	.03318	.29296	.14294	.30413	.39550	.02335	.19971	.00587	.01309
#1	.05211	2.0028	.99692	1.1032	2.3673	.04977	2.0886	174.44	.10748	.50004
#2	.05201	2.0019	1.0011	1.1009	2.3775	.05004	2.0879	174.93	.10749	.49995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19594	.26350	.98221	53.194	1.0356	67.469	.72042	.96863	120.41	.48454
Stddev	.00014	.00049	.00240	.187	.0057	.116	.00019	.00091	.15	.00059
%RSD	.07029	.18613	.24440	.35108	.55501	.17265	.02663	.09380	.12405	.12214
#1	.19585	.26316	.98391	53.062	1.0316	67.551	.72055	.96927	120.30	.48413
#2	.19604	.26385	.98052	53.326	1.0397	67.386	.72028	.96798	120.51	.48496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.228	.49042	8.1365	.51757	2.0076	21.493	45.996	1.8965	2.4009	1.0186
Stddev	.006	.00010	.0112	.00444	.0004	.137	.294	.0032	.0042	.0058
%RSD	.05522	.02020	.13754	.85803	.01736	.63950	.63950	.17084	.17338	.56997
#1	10.232	.49035	8.1286	.51443	2.0073	21.396	45.788	1.8988	2.3979	1.0145
#2	10.224	.49049	8.1444	.52071	2.0078	21.591	46.204	1.8942	2.4038	1.0227
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0602	1.9449	2.2133	.51617	.48249	.52364
Stddev	.0003	.0013	.0348	.00017	.00199	.00376
%RSD	.02952	.06515	1.5723	.03223	.41287	.71710
#1	1.0600	1.9458	2.2379	.51605	.48390	.52099
#2	1.0605	1.9440	2.1887	.51629	.48108	.52630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7853.6	98809.	8811.9
Stddev	37.3	24.	1.2
%RSD	.47439	.02449	.01402
#1	7827.2	98792.	8811.1
#2	7879.9	98826.	8812.8

Sample Name: 280-48623-c-1-dPDS Acquired: 11/7/2013 20:13:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03999**	**1.0906**	**.20917**	**.19076**	**.36737**	**.05149**	**-.00148**	**142.07**	**.05494**	**.05337**
Stddev	.00058	.0010	.00269	.00037	.00013	.00013	.00044	.29	.00013	.00003
%RSD	1.4436	.09168	1.2851	.19374	.03405	.24712	29.806	.20752	.22829	.05223
#1	.04040	1.0899	.20727	.19050	.36746	.05158	-.00117	142.28	.05502	.05339
#2	.03958	1.0913	.21107	.19102	.36729	.05140	-.00179	141.86	.05485	.05335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05111**	**.05547**	**1.0252**	**22.543**	**.13770**	**38.755**	**.26238**	**.04933**	**87.512**	**.05380**
Stddev	.00026	.00034	.0005	.047	.00012	.136	.00042	.00001	.532	.00021
%RSD	.50571	.60961	.04459	.20806	.08707	.35137	.15835	.01908	.60757	.38417
#1	.05092	.05571	1.0249	22.576	.13762	38.658	.26209	.04933	87.888	.05366
#2	.05129	.05523	1.0255	22.510	.13779	38.851	.26267	.04932	87.136	.05395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2457**	**.10205**	**7.8826**	**.10316**	**.20562**	**15.889**	**34.002**	**.09306**	**1.3784**	**.21384**
Stddev	.0136	.00005	.0257	.00074	.00125	.013	.028	.00120	.0018	.00058
%RSD	.60387	.04499	.32551	.71650	.60577	.08176	.08176	1.2862	.12717	.26959
#1	2.2361	.10202	7.8644	.10263	.20650	15.880	33.982	.09222	1.3772	.21425
#2	2.2553	.10208	7.9007	.10368	.20474	15.898	34.022	.09391	1.3796	.21343
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05206**	**.20816**	**.53713**	**.05603**	**.20784**	**.05362**
Stddev	.00061	.00097	.00977	.00049	.00112	.00102
%RSD	1.1626	.46503	1.8181	.86774	.53710	1.9094
#1	.05163	.20748	.54404	.05637	.20705	.05290
#2	.05249	.20885	.53023	.05568	.20863	.05435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7946.7**	**100150.**	**8976.8**
Stddev	.1	631.	71.7
%RSD	.00184	.62989	.79922
#1	7946.8	100600.	8926.1
#2	7946.6	99706.	9027.5

Sample Name: CCVH-2357613 Acquired: 11/7/2013 20:15:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**49.122**	**.00439**	**.00751**	**.00051**	**-.00008**	W **.92780**	**.00555**	**-.00052**	**-.00088**	**-.00017**	**.00868**
Stddev	.00071	.525	.00023	.00015	.00005	.00002	.00028	.00017	.00012	.00001	.00000	.00038
%RSD	16.969	1.0685	5.2304	2.0579	9.4059	23.016	.03063	3.1315	23.381	.70372	1.3275	4.3768
#1	.00466	48.751	.00422	.00762	.00047	-.00009	.92800	.00543	-.00061	-.00088	-.00017	.00895
#2	.00366	49.493	.00455	.00741	.00054	-.00007	.92760	.00567	-.00044	-.00089	-.00017	.00841
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.094**	**.17108**	**.00388**	**.09429**	**.00044**	**.00004**	**244.27**	**-.00019**	**.00535**	**.00131**	**4.8437**	**.00271**
Stddev	.141	.01899	.00261	.00169	.00001	.00026	2.23	.00001	.00024	.00011	.0188	.00163
%RSD	.30681	11.098	67.222	1.7933	1.5666	659.53	.91229	3.5663	4.4887	8.3878	.38840	60.079
#1	45.994	.15766	.00203	.09310	.00045	-.00014	242.69	-.00019	.00552	.00138	4.8570	.00387
#2	46.194	.18451	.00572	.09549	.00044	.00022	245.84	-.00018	.00518	.00123	4.8304	.00156
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**-.01182**	**-.02529**	**.00017**	**.00033**	**4.8429**	**-.00645**	**-.00007**	**10.479**	**.00048**	**.00120**	**.02855**
Stddev	.00376	.01345	.02879	.00048	.00004	.0014	.00038	.00003	.031	.00018	.00004	.00291
%RSD	271.16	113.84	113.84	276.97	11.840	.02880	5.9140	43.985	.29456	38.331	3.0560	10.202
#1	.00127	-.02133	-.04565	-.00016	.00030	4.8419	-.00672	-.00009	10.457	.00061	.00123	.02649
#2	-.00405	-.00230	-.00493	.00051	.00035	4.8439	-.00618	-.00005	10.500	.00035	.00118	.03061
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8016.0**	**100440.**	**8814.6**
Stddev	5.3	877.	55.1
%RSD	.06556	.87302	.62530
#1	8012.3	101060.	8853.5
#2	8019.7	99820.	8775.6

Sample Name: CCV-2357614 Acquired: 11/7/2013 20:17:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49967**	**.53710**	**.97382**	**.50368**	**.52028**	**.49498**	**.00269**	**4.9513**	**.51003**	**.51670**	**.48536**	**.51467**	**2.3896**
Stddev	.00382	.00142	.00372	.00034	.00048	.00021	.00354	.0223	.00033	.00089	.00009	.00217	.0154
%RSD	.76389	.26513	.38239	.06663	.09222	.04256	131.68	.45048	.06506	.17169	.01904	.42164	.64574
#1	.50237	.53609	.97646	.50344	.52062	.49513	.00019	4.9355	.51026	.51733	.48530	.51620	2.3787
#2	.49698	.53811	.97119	.50392	.51994	.49483	.00520	4.9671	.50979	.51607	.48543	.51313	2.4006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.149**	**.98560**	**19.209**	**.50955**	**.47673**	**5.3893**	**.49833**	**.96752**	**1.0301**	**.00063**	**1.0456**	**.98662**	**4.7659**
Stddev	.014	.00214	.089	.00041	.00012	.0090	.00129	.00127	.0044	.00231	.0006	.00351	.0089
%RSD	.02751	.21726	.46230	.08074	.02605	.16618	.25866	.13169	.42795	367.31	.05529	.35564	.18782
#1	50.159	.98712	19.272	.50984	.47682	5.3956	.49742	.96842	1.0270	-.00100	1.0460	.98910	4.7722
#2	50.139	.98409	19.146	.50926	.47664	5.3829	.49924	.96661	1.0332	.00226	1.0452	.98414	4.7596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.199**	**.95601**	**.50746**	**.00088**	**.51910**	**1.0523**	**-.05586**	**.50143**	**.48541**	**.50817**
Stddev	.019	.00211	.00035	.00077	.00060	.0030	.00711	.00111	.00057	.00175
%RSD	.18782	.22065	.06977	87.146	.11625	.28578	12.731	.22075	.11664	.34522
#1	10.213	.95452	.50721	.00034	.51868	1.0502	-.06089	.50065	.48501	.50692
#2	10.185	.95750	.50771	.00143	.51953	1.0544	-.05083	.50222	.48581	.50941
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8238.0**	**103780.**	**8886.1**
Stddev	3.3	9.	20.9
%RSD	.04000	.00882	.23492
#1	8240.3	103780.	8871.3
#2	8235.6	103790.	8900.8

Sample Name: CCB Acquired: 11/7/2013 20:19:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00029**	**.00264**	**.00311**	**.00005**	**-.00007**	**-.00058**	**-.00207**	**-.00009**	**.00009**	**-.00006**
Stddev	.00031	.00015	.00217	.00080	.00001	.00001	.00330	.00464	.00009	.00004	.00015
%RSD	82.211	51.176	82.395	25.796	19.931	7.5445	564.67	223.89	99.929	40.209	256.67
#1	.00016	.00040	.00417	.00368	.00004	-.00008	-.00291	.00121	-.00015	.00006	-.00016
#2	.00060	.00019	.00110	.00254	.00006	-.00007	.00175	-.00536	-.00003	.00012	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00138**	**-.00304**	**.08279**	**.00247**	**-.00197**	**-.00004**	**.00045**	W **.15259**	**-.00007**	**.00110**	**.00053**
Stddev	.00019	.00050	.03503	.00222	.00108	.00004	.00008	.00773	.00025	.00142	.00082
%RSD	13.457	16.290	42.307	90.025	54.538	100.97	17.891	5.0662	348.03	129.10	156.16
#1	-.00125	-.00269	.05802	.00090	-.00274	-.00001	.00050	.15805	.00010	.00210	.00111
#2	-.00151	-.00339	.10756	.00404	-.00121	-.00006	.00039	.14712	-.00025	.00010	-.00005
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	W **.00458**	**.00085**	**-.01760**	**-.03766**	**.00057**	**-.00003**	**.00251**	**-.00002**	**-.00031**	**-.00892**
Stddev	.00398	.00347	.00532	.00338	.00723	.00046	.00004	.00087	.00044	.00069	.03092
%RSD	124.77	75.718	628.44	19.211	19.211	79.890	113.58	34.634	2126.6	226.06	346.64
#1	.00600	.00703	-.00291	-.01521	-.03254	.00025	-.00006	.00313	-.00034	-.00079	-.03078
#2	.00038	.00213	.00460	-.01999	-.04278	.00090	-.00001	.00190	.00029	.00018	.01294
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00016**	**.00326**	**.00033**
Stddev	.00039	.00033	.00015
%RSD	239.67	10.042	45.024
#1	-.00044	.00303	.00044
#2	.00011	.00349	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8212.8**	**104720.**	**8905.1**
Stddev	6.5	336.	36.0
%RSD	.07860	.32105	.40405
#1	8217.3	104490.	8879.7
#2	8208.2	104960.	8930.6

Sample Name: CCVL2363703 Acquired: 11/7/2013 20:22:03 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01065**	**.11482**	**.01579**	**.10338**	**.01076**	**.00095**	**.12379**	**.20519**	**.00513**	**.01099**	**.01015**	**.01528**	**.09768**
Stddev	.00033	.00087	.00090	.00006	.00009	.00001	.00093	.00179	.00014	.00011	.00008	.00004	.00002
%RSD	3.0647	.76146	5.7242	.05730	.83895	1.2804	.74981	.87008	2.7636	.99085	.81804	.26818	.01792
#1	.01042	.11543	.01643	.10334	.01069	.00096	.12444	.20645	.00503	.01107	.01009	.01531	.09767
#2	.01088	.11420	.01515	.10342	.01082	.00094	.12313	.20393	.00523	.01092	.01021	.01525	.09769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1809**	**.01146**	**.21467**	**.01074**	**.01924**	**1.1999**	**.04219**	**2.9179**	**.01009**	**.00115**	F **.01342**	**.01473**	**.47961**
Stddev	.0004	.00129	.00284	.00002	.00026	.0057	.00041	.0104	.00090	.00194	.00266	.00018	.01282
%RSD	.01373	11.281	1.3211	.21811	1.3491	.47405	.97108	.35476	8.8930	168.53	19.805	1.2146	2.6734
#1	3.1812	.01054	.21266	.01075	.01905	1.2040	.04190	2.9252	.00946	.00252	.01154	.01461	.48868
#2	3.1806	.01237	.21667	.01072	.01942	1.1959	.04248	2.9106	.01073	-.00022	.01530	.01486	.47054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0264**	**.10084**	**.01054**	**.01908**	**.01010**	**.01671**	**.06411**	**.01006**	**.02287**	**.01744**
Stddev	.0274	.00047	.00005	.00030	.00009	.00150	.00126	.00036	.00009	.00097
%RSD	2.6734	.46951	.45701	1.5808	.91386	8.9958	1.9730	3.5716	.38318	5.5743
#1	1.0458	.10051	.01057	.01887	.01003	.01778	.06321	.01032	.02281	.01675
#2	1.0070	.10118	.01051	.01930	.01016	.01565	.06500	.00981	.02293	.01812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8436.7**	**107720.**	**9086.0**
Stddev	17.5	217.	2.4
%RSD	.20794	.20157	.02650
#1	8424.3	107560.	9084.3
#2	8449.1	107870.	9087.7

Sample Name: 280-48623-c-2-b Acquired: 11/7/2013 20:24:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00497**	**.00231**	**.07300**	**.35666**	**-.00008**	**-.00201**	**137.82**	**.00034**	**-.00026**
Stddev	.00001	.00028	.00091	.00012	.00132	.00007	.00284	.79	.00010	.00006
%RSD	2.9099	5.5682	39.322	.16471	.37104	93.376	140.96	.57351	30.481	21.861
#1	.00027	.00478	.00296	.07292	.35573	-.00003	-.00001	137.26	.00027	-.00022
#2	.00026	.00517	.00167	.07309	.35760	-.00012	-.00402	138.38	.00041	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**.00124**	**.01256**	**1.2083**	**.03760**	**18.708**	**.00402**	**.00074**	**70.196**	**.00168**
Stddev	.00020	.00078	.00202	.0463	.00004	.037	.00004	.00008	.377	.00019
%RSD	5.3566	63.383	16.082	3.8347	.10397	.19890	.95856	11.441	.53767	11.595
#1	.00362	.00068	.01113	1.1756	.03763	18.682	.00400	.00080	69.929	.00182
#2	.00391	.00179	.01399	1.2411	.03758	18.735	.00405	.00068	70.463	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08047**	**-.00054**	**4.8110**	**.00223**	**.00144**	**11.984**	**25.646**	**.00047**	**1.2430**	**.00214**
Stddev	.00044	.00060	.0040	.00177	.00034	.052	.111	.00043	.0049	.00087
%RSD	.55228	110.93	.08361	79.088	23.827	.43426	.43426	92.593	.39637	40.402
#1	.08079	-.00097	4.8082	.00348	.00168	11.948	25.568	.00016	1.2395	.00153
#2	.08016	-.00012	4.8139	.00098	.00119	12.021	25.725	.00077	1.2465	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00060**	**-.03475**	**.00466**	**.00574**	**.00105**
Stddev	.00001	.00027	.03295	.00011	.00032	.00122
%RSD	10.530	45.213	94.824	2.3127	5.5990	115.99
#1	-.00008	-.00079	-.01145	.00474	.00551	.00019
#2	-.00010	-.00041	-.05805	.00458	.00597	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8002.9**	**101380.**	**8926.4**
Stddev	17.2	277.	67.5
%RSD	.21510	.27291	.75617
#1	7990.8	101580.	8974.1
#2	8015.1	101180.	8878.7

Sample Name: 280-48623-c-3-b Acquired: 11/7/2013 20:26:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00816**	**-.00145**	**.06751**	**.35513**	**-.00009**	**-.00202**	**134.09**	**.00021**	**.00019**
Stddev	.00057	.00006	.00050	.00002	.00076	.00003	.00072	.26	.00008	.00005
%RSD	110.48	.79584	34.591	.03025	.21445	39.228	35.578	.19543	39.149	28.388
#1	.00011	.00821	-.00109	.06752	.35567	-.00006	-.00253	134.27	.00027	.00015
#2	.00092	.00811	-.00180	.06749	.35459	-.00011	-.00151	133.90	.00015	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00002**	**.00740**	**1.3571**	**.03690**	**17.902**	**.06131**	**.00077**	**78.979**	**.00147**
Stddev	.00000	.00021	.00031	.0536	.00143	.031	.00004	.00013	.128	.00041
%RSD	1.1596	1292.8	4.2156	3.9476	3.8733	.17324	.06352	17.045	.16227	27.618
#1	.00037	-.00013	.00762	1.3192	.03588	17.924	.06129	.00086	79.070	.00119
#2	.00038	.00016	.00718	1.3950	.03791	17.880	.06134	.00068	78.888	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07427**	**-.00005**	**4.7007**	**.00085**	**-.00246**	**12.279**	**26.276**	**.00070**	**1.2255**	**-.00010**
Stddev	.00078	.00144	.0047	.00064	.00115	.050	.107	.00011	.0042	.00146
%RSD	1.0536	2845.6	.10048	76.082	46.742	.40624	.40624	15.889	.34389	1437.3
#1	.07482	-.00107	4.6973	.00039	-.00165	12.314	26.352	.00078	1.2285	.00093
#2	.07371	.00097	4.7040	.00130	-.00327	12.243	26.201	.00062	1.2225	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00035**	**-.00611**	**.00447**	**.00564**	**.00170**
Stddev	.00012	.00037	.04413	.00036	.00040	.00231
%RSD	40.797	105.54	722.35	8.1559	7.1761	135.98
#1	-.00020	-.00062	-.03731	.00421	.00593	.00007
#2	-.00037	-.00009	.02510	.00473	.00535	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7987.2**	**101240.**	**8981.1**
Stddev	20.1	74.	43.8
%RSD	.25170	.07357	.48738
#1	7973.0	101290.	9012.1
#2	8001.4	101190.	8950.2

Sample Name: 280-48623-c-4-b Acquired: 11/7/2013 20:28:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00462**	**.00282**	**.06545**	**.34524**	**-.00002**	**-.00025**	**130.64**	**.00027**	**-.00010**
Stddev	.00001	.00017	.00267	.00008	.00099	.00003	.00066	.23	.00003	.00008
%RSD	7.6677	3.7518	94.829	.11625	.28759	154.52	261.92	.17345	12.078	80.091
#1	.00018	.00450	.00470	.06540	.34453	.00000	-.00072	130.48	.00029	-.00016
#2	.00020	.00474	.00093	.06551	.34594	-.00005	.00021	130.80	.00025	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00033**	**.00957**	**1.3097**	**.03734**	**17.365**	**.06054**	**.00069**	**77.309**	**.00147**
Stddev	.00008	.00016	.00076	.0127	.00301	.031	.00007	.00001	.401	.00000
%RSD	11.577	48.242	7.9198	.96693	8.0487	.17937	.11447	1.9268	.51838	.22170
#1	.00079	.00044	.01011	1.3187	.03947	17.387	.06059	.00068	77.026	.00146
#2	.00067	.00021	.00903	1.3008	.03522	17.343	.06049	.00070	77.592	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07515**	**-.00090**	**4.5561**	**.00224**	**-.00359**	**11.950**	**25.573**	**-.00055**	**1.1891**	**.00421**
Stddev	.00068	.00020	.0103	.00745	.00345	.008	.018	.00060	.0039	.00027
%RSD	.90379	22.442	.22660	333.20	96.119	.06863	.06863	109.88	.32919	6.4565
#1	.07467	-.00076	4.5488	.00751	-.00115	11.956	25.585	-.00012	1.1863	.00402
#2	.07563	-.00104	4.5634	-.00303	-.00603	11.944	25.560	-.00097	1.1919	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00066**	**-.04620**	**.00440**	**.00410**	**.00121**
Stddev	.00021	.00099	.00908	.00070	.00013	.00036
%RSD	81.213	149.57	19.659	15.921	3.0974	30.071
#1	-.00040	-.00004	-.03978	.00489	.00419	.00095
#2	-.00011	.00137	-.05263	.00390	.00401	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7986.1**	**101350.**	**8932.4**
Stddev	4.8	778.	66.4
%RSD	.05980	.76721	.74358
#1	7989.5	100800.	8885.4
#2	7982.7	101900.	8979.3

Sample Name: 280-48623-c-5-b Acquired: 11/7/2013 20:31:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00526**	**.00217**	**.07218**	**.23696**	**-.00001**	**-.00079**	**134.63**	**.00030**	**.00011**
Stddev	.00003	.00021	.00086	.00024	.00013	.00007	.00473	.22	.00013	.00022
%RSD	61.609	3.9345	39.855	.32887	.05470	504.81	599.14	.16455	43.939	196.33
#1	.00002	.00540	.00278	.07234	.23705	.00003	-.00414	134.47	.00039	-.00004
#2	.00006	.00511	.00156	.07201	.23687	-.00006	.00256	134.79	.00020	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00007**	**.01054**	**1.4510**	**.04510**	**24.286**	**.02870**	**.00091**	**60.943**	**.00118**
Stddev	.00001	.00126	.00026	.0419	.00083	.011	.00003	.00011	.119	.00016
%RSD	1.1543	1779.2	2.4932	2.8881	1.8324	.04429	.11451	12.475	.19529	13.139
#1	.00064	-.00096	.01072	1.4214	.04452	24.293	.02872	.00099	60.859	.00129
#2	.00065	.00082	.01035	1.4807	.04569	24.278	.02867	.00083	61.027	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16983**	**.00082**	**5.8610**	**.00127**	**-.00114**	**12.349**	**26.426**	**.00031**	**1.6909**	**.00324**
Stddev	.00055	.00089	.0240	.00009	.00034	.052	.111	.00079	.0045	.00131
%RSD	.32164	109.30	.40994	7.0299	30.056	.42176	.42176	252.81	.26586	40.574
#1	.17021	.00145	5.8441	.00121	-.00090	12.385	26.505	.00087	1.6877	.00417
#2	.16944	.00019	5.8780	.00133	-.00139	12.312	26.347	-.00025	1.6941	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00080**	W **-.05183**	**.00704**	**.00686**	**.00138**
Stddev	.00004	.00027	.03159	.00012	.00034	.00048
%RSD	11.464	34.261	60.959	1.7054	4.9390	34.730
#1	-.00035	.00061	-.07417	.00696	.00710	.00104
#2	-.00029	.00100	-.02949	.00713	.00662	.00172
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8069.1**	**101250.**	**9030.8**
Stddev	31.7	110.	44.2
%RSD	.39230	.10849	.48971
#1	8046.7	101330.	8999.6
#2	8091.5	101170.	9062.1

Sample Name: 280-48623-c-6-b Acquired: 11/7/2013 20:33:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00717**	**.00277**	**.06284**	**.39796**	**-.00009**	**-.00365**	**122.65**	**.00040**	**.00080**
Stddev	.00027	.00010	.00005	.00054	.00039	.00006	.00054	.26	.00003	.00009
%RSD	159.15	1.4454	1.8970	.86183	.09836	66.933	14.693	.21112	8.1937	11.398
#1	.00036	.00709	.00281	.06246	.39768	-.00013	-.00403	122.83	.00038	.00086
#2	-.00002	.00724	.00273	.06322	.39824	-.00005	-.00327	122.46	.00042	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00056**	**.04359**	**1.3851**	**.03255**	**14.578**	**.16821**	**.00104**	**67.642**	**.00176**
Stddev	.00007	.00037	.00076	.0150	.00166	.011	.00027	.00006	.206	.00012
%RSD	20.767	66.061	1.7432	1.0856	5.1030	.07878	.16205	5.6570	.30436	6.8517
#1	.00038	.00030	.04412	1.3744	.03138	14.570	.16802	.00108	67.788	.00185
#2	.00028	.00083	.04305	1.3957	.03373	14.586	.16841	.00100	67.496	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13311**	**.00028**	**4.9002**	**.00010**	W **-.00504**	**12.090**	**25.874**	**-.00011**	**1.0339**	**.00239**
Stddev	.00210	.00056	.0148	.00213	.00137	.026	.055	.00129	.0007	.00047
%RSD	1.5761	199.84	.30241	2063.7	27.250	.21434	.21434	1195.0	.06802	19.599
#1	.13459	.00068	4.8897	-.00140	-.00407	12.072	25.834	.00080	1.0334	.00272
#2	.13162	-.00012	4.9107	.00161	-.00601	12.109	25.913	-.00102	1.0344	.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**-.00006**	W **-.06403**	**.00260**	**.00793**	**.00051**
Stddev	.00037	.00020	.01961	.00053	.00008	.00163
%RSD	64.175	316.64	30.619	20.314	1.0307	317.90
#1	-.00032	-.00020	-.05017	.00223	.00787	-.00064
#2	-.00085	.00008	-.07789	.00298	.00799	.00166
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8088.5**	**102030.**	**9041.6**
Stddev	34.6	106.	31.0
%RSD	.42835	.10348	.34283
#1	8113.0	102110.	9063.5
#2	8064.0	101960.	9019.7

Sample Name: 280-48623-c-8-b Acquired: 11/7/2013 20:35:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198890 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00390**	**.00087**	**.00099**	**.00040**	**-.00011**	**-.00022**	**.04633**	**-.00005**	**.00000**
Stddev	.00040	.00019	.00004	.00002	.00024	.00010	.00034	.00069	.00017	.00020
%RSD	45.547	4.7909	4.7814	2.1452	59.165	83.700	153.94	1.4917	341.02	37629.
#1	.00115	.00376	.00090	.00097	.00057	-.00005	.00002	.04584	-.00017	-.00014
#2	.00059	.00403	.00084	.00100	.00023	-.00018	-.00046	.04682	.00007	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00075**	**.00282**	**.12138**	**.00197**	**.00922**	**.00014**	**.00008**	**.29697**	**.00033**
Stddev	.00005	.00064	.00093	.03983	.00105	.00079	.00003	.00009	.01555	.00017
%RSD	24.521	84.753	32.997	32.816	53.442	8.5540	23.992	106.63	5.2369	51.860
#1	.00018	-.00030	.00347	.09321	.00123	.00978	.00012	.00002	.30796	.00021
#2	.00025	-.00120	.00216	.14954	.00272	.00866	.00017	.00015	.28597	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00586**	**.00033**	**.01952**	**.00118**	**.00006**	**-.00269**	**-.00576**	**.00016**	**.00025**	**.00241**
Stddev	.00034	.00079	.00067	.00174	.00248	.01767	.03782	.00016	.00014	.00122
%RSD	5.7895	240.04	3.4477	147.51	4444.1	656.65	656.65	96.283	54.123	50.553
#1	.00562	-.00023	.01999	.00241	.00181	.00981	.02099	.00027	.00016	.00155
#2	.00610	.00089	.01904	-.00005	-.00170	-.01519	-.03251	.00005	.00035	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00069**	**-.01334**	**-.00051**	**.00324**	**.00019**
Stddev	.00024	.00076	.04408	.00019	.00000	.00041
%RSD	60.887	110.04	330.45	38.149	.04334	211.73
#1	-.00022	.00122	.01783	-.00037	.00325	.00048
#2	-.00055	.00015	-.04451	-.00064	.00324	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8481.5**	**107730.**	**9137.1**
Stddev	19.5	186.	3.7
%RSD	.23027	.17251	.04010
#1	8495.3	107600.	9139.6
#2	8467.6	107870.	9134.5

Sample Name: CCVH-2357613 Acquired: 11/7/2013 20:38:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00332**	**49.135**	**.00266**	**.00531**	**.00061**	**-.00015**	W **.92280**	**.00057**	**-.00017**	**-.00066**	**-.00002**	**.00801**
Stddev	.00014	.109	.00072	.00035	.00027	.00010	.00438	.00144	.00011	.00007	.00024	.00009
%RSD	4.2689	.22243	27.119	6.6384	43.792	68.764	.47450	252.60	66.088	10.401	1372.7	1.0985
#1	.00322	49.212	.00215	.00506	.00042	-.00022	.92590	.00159	-.00025	-.00070	-.00019	.00795
#2	.00342	49.057	.00317	.00556	.00080	-.00008	.91970	-.00045	-.00009	-.00061	.00016	.00807
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.531**	**.13753**	**.00031**	**.09202**	**.00038**	**-.00011**	**243.35**	**.00000**	**.00303**	**.00123**	**4.8729**	**.00272**
Stddev	.079	.01972	.00285	.00214	.00005	.00011	1.09	.00000	.00146	.00122	.0055	.00167
%RSD	.17330	14.342	907.38	2.3263	13.812	103.73	.44713	3.0922	48.256	98.893	.11314	61.200
#1	45.587	.12358	.00233	.09051	.00034	-.00018	244.12	.00000	.00406	.00210	4.8768	.00154
#2	45.475	.15148	-.00170	.09354	.00042	-.00003	242.59	.00000	.00199	.00037	4.8690	.00390
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00303**	**-.01330**	**-.02846**	**.00054**	**.00034**	**4.8917**	**-.00600**	**.00123**	W **10.578**	**.00106**	**.00185**	**.02337**
Stddev	.00035	.01239	.02652	.00147	.00003	.0252	.00015	.00120	.001	.00015	.00062	.00208
%RSD	11.483	93.179	93.179	272.80	9.8550	.51510	2.5440	97.604	.01121	14.531	33.554	8.9068
#1	-.00278	-.02206	-.04721	-.00050	.00032	4.9095	-.00611	.00208	10.577	.00095	.00141	.02484
#2	-.00327	-.00454	-.00971	.00158	.00037	4.8739	-.00589	.00038	10.579	.00117	.00229	.02190
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8122.3**	**100970.**	**8889.7**
Stddev	6.6	654.	3.4
%RSD	.08163	.64814	.03880
#1	8117.6	100510.	8892.1
#2	8127.0	101430.	8887.3

Sample Name: CCV-2357614 Acquired: 11/7/2013 20:40:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50182**	**.53964**	**.97201**	**.50142**	**.52293**	**.49604**	**.00334**	**4.9445**	**.51114**	**.51832**	**.48353**	**.51956**	**2.3914**
Stddev	.00057	.00063	.00243	.00185	.00126	.00044	.00229	.0064	.00031	.00037	.00038	.00072	.0033
%RSD	.11358	.11622	.25046	.36957	.24188	.08783	68.650	.12980	.06109	.07058	.07886	.13900	.13682
#1	.50222	.53920	.97028	.50011	.52204	.49635	.00495	4.9399	.51092	.51858	.48380	.51905	2.3937
#2	.50142	.54008	.97373	.50273	.52382	.49574	.00172	4.9490	.51136	.51806	.48326	.52007	2.3891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.088**	**.98461**	**19.193**	**.51270**	**.47274**	**5.4214**	**.49701**	**.96223**	**1.0271**	**-.00140**	**1.0538**	**.98508**	**4.7617**
Stddev	.006	.00299	.038	.00002	.00060	.0017	.00137	.00036	.0016	.00009	.0032	.00555	.0152
%RSD	.01169	.30341	.19920	.00399	.12704	.03047	.27590	.03790	.15366	6.5179	.30566	.56359	.31922
#1	50.092	.98250	19.220	.51269	.47232	5.4203	.49604	.96249	1.0282	-.00134	1.0561	.98901	4.7510
#2	50.084	.98672	19.166	.51272	.47317	5.4226	.49798	.96197	1.0260	-.00147	1.0515	.98116	4.7725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.190**	**.95114**	**.50981**	**-.00120**	**.52374**	**1.0563**	**-.03965**	**.50246**	**.48479**	**.51051**
Stddev	.033	.00127	.00008	.00066	.00049	.0009	.02566	.00121	.00126	.00365
%RSD	.31922	.13359	.01659	55.244	.09421	.08489	64.712	.24069	.25992	.71586
#1	10.167	.95204	.50975	-.00073	.52339	1.0556	-.02151	.50160	.48390	.50793
#2	10.213	.95024	.50986	-.00167	.52409	1.0569	-.05779	.50331	.48568	.51310
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8348.4**	**104610.**	**9075.7**
Stddev	34.9	457.	24.4
%RSD	.41859	.43705	.26908
#1	8323.7	104930.	9093.0
#2	8373.1	104280.	9058.5

Sample Name: CCB Acquired: 11/7/2013 20:42:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00047**	**.00321**	**.00181**	**.00021**	**-.00003**	**.00255**	**-.00483**	**-.00020**	**.00003**	**-.00001**
Stddev	.00020	.00014	.00234	.00042	.00001	.00001	.00014	.00218	.00005	.00003	.00005
%RSD	84.670	28.492	73.007	23.141	3.1078	50.914	5.3689	45.237	23.694	96.681	1046.7
#1	.00009	.00057	.00486	.00210	.00020	-.00004	.00264	-.00328	-.00023	.00005	-.00004
#2	.00037	.00038	.00155	.00151	.00021	-.00002	.00245	-.00637	-.00016	.00001	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00142**	**-.00052**	**.02851**	**-.00079**	**-.00163**	**.00003**	**.00011**	W **.18048**	**.00033**	**.00101**	**.00079**
Stddev	.00015	.00292	.05068	.00326	.00028	.00006	.00023	.00819	.00018	.00071	.00026
%RSD	10.323	556.83	177.78	415.40	17.280	200.15	201.07	4.5377	55.817	70.010	32.740
#1	-.00152	.00154	-.00733	-.00309	-.00143	.00007	-.00005	.18628	.00046	.00151	.00097
#2	-.00131	-.00259	.06434	.00152	-.00183	-.00001	.00027	.17469	.00020	.00051	.00061
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	W **.00549**	**.00015**	**-.01544**	**-.03305**	**.00074**	**-.00001**	**.00368**	**-.00026**	**-.00064**	**-.02871**
Stddev	.00187	.00156	.00219	.00423	.00905	.00055	.00011	.00196	.00008	.00062	.02886
%RSD	52.162	28.387	1461.4	27.381	27.381	74.968	1442.3	53.149	31.773	96.474	100.52
#1	.00226	.00439	-.00140	-.01843	-.03945	.00035	-.00008	.00506	-.00020	-.00020	-.00830
#2	.00491	.00660	.00170	-.01245	-.02665	.00113	.00007	.00230	-.00032	-.00107	-.04911
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00046**	**.00347**	**.00175**
Stddev	.00026	.00047	.00058
%RSD	57.436	13.446	33.313
#1	-.00027	.00380	.00134
#2	-.00065	.00314	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8322.0**	**105620.**	**9002.4**
Stddev	4.1	700.	70.4
%RSD	.04972	.66269	.78172
#1	8319.1	106120.	8952.6
#2	8324.9	105130.	9052.1

Sample Name: CCVL2363703 Acquired: 11/7/2013 20:45:03 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01126**	**.11872**	**.01566**	**.10307**	**.01144**	**.00100**	**.11810**	**.21411**	**.00554**	**.01135**	**.01042**	**.01579**	**.10302**
Stddev	.00017	.00006	.00145	.00026	.00015	.00007	.00055	.00008	.00023	.00020	.00000	.00022	.00240
%RSD	1.5419	.04937	9.2488	.25671	1.2803	6.5335	.46162	.03960	4.1991	1.7484	.04650	1.4018	2.3317
#1	.01139	.11876	.01669	.10288	.01154	.00104	.11772	.21405	.00538	.01121	.01041	.01594	.10132
#2	.01114	.11868	.01464	.10325	.01133	.00095	.11849	.21417	.00571	.01149	.01042	.01563	.10471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2034**	**.01176**	**.21283**	**.01110**	**.01898**	**1.2746**	**.04328**	**2.9430**	**.01072**	**.00399**	F **.01401**	**.01458**	**.46934**
Stddev	.0763	.00020	.00270	.00007	.00002	.0135	.00034	.0020	.00078	.00042	.00213	.00153	.01282
%RSD	2.3828	1.7066	1.2697	.59896	.10304	1.0580	.78592	.06855	7.2698	10.417	15.206	10.465	2.7305
#1	3.2574	.01162	.21092	.01105	.01896	1.2841	.04352	2.9445	.01017	.00428	.01552	.01566	.47840
#2	3.1495	.01190	.21474	.01114	.01899	1.2650	.04304	2.9416	.01128	.00370	.01251	.01350	.46028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0044**	**.10224**	**.01072**	**.01905**	**.01053**	**.01794**	F **.01893**	**.00996**	**.02332**	**.01673**
Stddev	.0274	.00106	.00010	.00038	.00018	.00037	.00142	.00009	.00004	.00023
%RSD	2.7305	1.0367	.94647	1.9757	1.7197	2.0487	7.4960	.94598	.17081	1.3667
#1	1.0238	.10299	.01079	.01932	.01040	.01820	.01792	.00989	.02329	.01690
#2	.98499	.10149	.01065	.01878	.01066	.01768	.01993	.01002	.02335	.01657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8550.1**	**108740.**	**9214.7**
Stddev	6.5	324.	17.5
%RSD	.07555	.29838	.18992
#1	8545.5	108970.	9202.3
#2	8554.6	108510.	9227.0

Sample Name: mb 280-199245/1-a Acquired: 11/7/2013 20:47:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199245 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	W **.01954**	**.00118**	**.00122**	**.00017**	**-.00005**	**.00099**	**.00949**	**-.00020**	**.00009**
Stddev	.00010	.00012	.00200	.00044	.00021	.00009	.00037	.00140	.00007	.00000
%RSD	21.459	.61058	169.35	35.698	120.21	197.11	37.454	14.779	35.021	3.6038
#1	.00040	.01945	.00260	.00153	.00032	.00002	.00073	.01048	-.00015	.00009
#2	.00054	.01962	-.00023	.00091	.00003	-.00011	.00125	.00850	-.00025	.00008
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.01647								
Low Limit		-.05000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00114**	**.00463**	**.05202**	**.00338**	**.00348**	F **.01583**	**.00018**	W **.14505**	**.00037**
Stddev	.00004	.00056	.00162	.01082	.00053	.00034	.00005	.00022	.00857	.00002
%RSD	83.478	49.034	35.032	20.804	15.673	9.8233	.29345	117.85	5.9104	4.1271
#1	-.00002	-.00154	.00577	.04437	.00376	.00324	.01579	.00034	.13899	.00038
#2	-.00007	-.00075	.00348	.05967	.00301	.00372	.01586	.00003	.15111	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit							.01000		.05054	
Low Limit							-.01000		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00058**	W **.00650**	**.00060**	**.00156**	W **-.00670**	**-.01434**	**.00064**	**.00009**	W **.00241**
Stddev	.00040	.00049	.00032	.00069	.00055	.01996	.04272	.00063	.00005	.00012
%RSD	37.036	84.779	4.9940	114.72	35.186	297.79	297.79	97.965	62.293	4.8939
#1	.00136	.00023	.00627	.00109	.00117	-.02082	-.04455	.00020	.00013	.00249
#2	.00080	.00093	.00673	.00011	.00194	.00741	.01586	.00108	.00005	.00232
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.00500			.07360				.00000
Low Limit			-.00500			-.00500				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.00050**	**-.02645**	**-.00011**	W **.00871**	**.00068**
Stddev	.00031	.00150	.03659	.00000	.00025	.00060
%RSD	80.406	301.39	138.38	3.9351	2.8310	88.851
#1	-.00061	-.00156	-.05232	-.00012	.00888	.00110
#2	-.00017	.00056	-.00057	-.00011	.00853	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8533.6**	**108900.**	**9257.9**
Stddev	16.6	595.	26.9
%RSD	.19508	.54616	.29064
#1	8521.8	109320.	9276.9
#2	8545.4	108480.	9238.9

Sample Name: lcs 280-199245/2-a Acquired: 11/7/2013 20:49:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199245 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04988**	**2.0948**	**.98615**	**1.0046**	**2.1453**	**.05010**	**2.0812**	**49.393**	**.10747**	**.51523**
Stddev	.00069	.0060	.00659	.0007	.0056	.00005	.0007	.182	.00006	.00041
%RSD	1.3916	.28826	.66782	.07228	.26218	.10731	.03548	.36872	.05127	.07978
#1	.05037	2.0905	.98149	1.0040	2.1413	.05006	2.0807	49.264	.10751	.51552
#2	.04939	2.0990	.99081	1.0051	2.1492	.05014	2.0817	49.521	.10743	.51494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19855**	**.26745**	**.97245**	**51.490**	**1.0051**	**48.640**	**.51867**	**.96632**	**51.302**	**.49239**
Stddev	.00031	.00162	.00479	.194	.0052	.086	.00040	.00036	.476	.00003
%RSD	.15661	.60568	.49280	.37746	.52001	.17770	.07788	.03747	.92857	.00581
#1	.19833	.26859	.96906	51.353	1.0014	48.579	.51838	.96658	51.639	.49241
#2	.19876	.26630	.97584	51.628	1.0088	48.701	.51896	.96607	50.965	.49237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8432**	**.50435**	**-.00650**	**.52246**	**1.9937**	**9.8222**	**21.019**	**1.9213**	**1.0430**	**1.0411**
Stddev	.0216	.00175	.00261	.00157	.0039	.0828	.177	.0060	.0040	.0053
%RSD	.21948	.34604	40.113	.30108	.19468	.84271	.84271	.30966	.37943	.50849
#1	9.8280	.50559	-.00465	.52134	1.9909	9.7636	20.894	1.9171	1.0402	1.0448
#2	9.8585	.50312	-.00834	.52357	1.9964	9.8807	21.145	1.9255	1.0458	1.0373
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0798**	**2.0515**	**2.2577**	**.51841**	**.49011**	**.52819**
Stddev	.0002	.0013	.0268	.00107	.00072	.00484
%RSD	.02017	.06521	1.1886	.20550	.14769	.91645
#1	1.0799	2.0506	2.2767	.51765	.48960	.52477
#2	1.0796	2.0525	2.2387	.51916	.49062	.53161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8116.5**	**101600.**	**9079.9**
Stddev	18.5	777.	31.5
%RSD	.22815	.76490	.34736
#1	8103.4	102150.	9102.2
#2	8129.6	101050.	9057.6

Sample Name: 280-48602-d-1-b Acquired: 11/7/2013 20:51:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199245 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.01407**	**.00313**	**.01397**	**.00866**	**-.00009**	**-.00343**	**17.485**	**.00004**	**-.00023**
Stddev	.00002	.00003	.00138	.00007	.00003	.00005	.00328	.015	.00002	.00002
%RSD	5.0867	.20052	44.075	.47881	.38209	50.920	95.609	.08688	51.946	8.9617
#1	.00047	.01405	.00215	.01392	.00868	-.00006	-.00575	17.496	.00005	-.00022
#2	.00050	.01409	.00410	.01402	.00864	-.00013	-.00111	17.475	.00002	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00050**	**.02677**	**1.7742**	**.00453**	**3.5810**	**.01357**	**.00079**	**8.8772**	**.00050**
Stddev	.00003	.00025	.00069	.0220	.00001	.0095	.00012	.00013	.0085	.00003
%RSD	11.650	51.131	2.5695	1.2374	.23411	.26458	.90230	16.036	.09569	6.4332
#1	.00025	-.00032	.02725	1.7587	.00452	3.5743	.01349	.00088	8.8712	.00047
#2	.00030	-.00068	.02628	1.7898	.00454	3.5877	.01366	.00070	8.8832	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03494**	**-.00016**	**2.2064**	**.00151**	**.00168**	**13.619**	**29.144**	**.00007**	**.08088**	**.00321**
Stddev	.00056	.00070	.0080	.00018	.00158	.090	.193	.00014	.00042	.00015
%RSD	1.5900	436.42	.36402	11.904	93.899	.66243	.66243	217.93	.51628	4.6136
#1	.03455	.00034	2.2007	.00138	.00056	13.555	29.008	.00017	.08118	.00331
#2	.03533	-.00066	2.2121	.00164	.00279	13.683	29.281	-.00004	.08059	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00046**	**.00427**	**.00172**	**.00411**	**.00179**
Stddev	.00004	.00059	.00750	.00012	.00018	.00054
%RSD	34.048	129.63	175.45	6.7691	4.2784	30.064
#1	.00009	-.00004	.00958	.00181	.00424	.00141
#2	.00015	-.00088	-.00103	.00164	.00399	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8403.1**	**106300.**	**9135.5**
Stddev	49.9	479.	10.2
%RSD	.59332	.45058	.11193
#1	8367.9	106630.	9128.2
#2	8438.4	105960.	9142.7

Sample Name: 280-48682-b-1-a@20 Acquired: 11/7/2013 20:54:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199245 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**1.1640**	**.00303**	**.00328**	**.00218**	**.00247**	**-.00012**	**25.827**	**.00306**	**.04935**
Stddev	.00025	.0011	.00005	.00076	.00013	.00005	.00040	.011	.00007	.00012
%RSD	53.344	.09140	1.6436	23.312	5.8964	2.1815	347.55	.04294	2.3456	.25276
#1	.00063	1.1633	.00299	.00382	.00227	.00251	.00017	25.819	.00311	.04944
#2	.00029	1.1648	.00306	.00274	.00209	.00244	-.00040	25.835	.00301	.04926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00375**	**.11621**	**1.9969**	**.00775**	**5.8830**	W **15.524**	**-.00096**	**1.4204**	**.05466**
Stddev	.00004	.00018	.00208	.0160	.00230	.0350	.006	.00021	.0350	.00023
%RSD	25.402	4.7824	1.7888	.80375	29.677	.59443	.04072	21.909	2.4623	.41805
#1	.00012	.00363	.11768	2.0083	.00612	5.8583	15.519	-.00081	1.3957	.05482
#2	.00018	.00388	.11474	1.9856	.00937	5.9077	15.528	-.00111	1.4451	.05450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00253**	**.00252**	**40.573**	**.00136**	**.00121**	**1.7091**	**3.6574**	**.00301**	**.17006**	**.00574**
Stddev	.00021	.00005	.034	.00299	.00295	.0028	.0059	.00017	.00046	.00102
%RSD	8.2725	2.0803	.08478	219.48	242.81	.16122	.16122	5.7093	.27221	17.842
#1	-.00239	.00255	40.549	.00348	-.00087	1.7110	3.6616	.00289	.16973	.00501
#2	-.00268	.00248	40.598	-.00075	.00330	1.7071	3.6533	.00314	.17039	.00646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00151**	F **-.19341**	**.00117**	**.22314**	**.00183**
Stddev	.00071	.00068	.05164	.00038	.00042	.00094
%RSD	185.65	45.184	26.698	32.785	.18724	50.976
#1	.00012	-.00103	-.15690	.00144	.22285	.00117
#2	-.00089	-.00199	-.22992	.00090	.22344	.00250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8412.9**	**105720.**	**9091.8**
Stddev	19.3	562.	10.5
%RSD	.22947	.53195	.11501
#1	8399.2	106120.	9099.2
#2	8426.5	105320.	9084.4

Sample Name: 48682-b-1-aSD@100 Acquired: 11/7/2013 20:56:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199245 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.25056**	**.00373**	**.00186**	**.00084**	**.00038**	**.00297**	**5.1865**	**.00061**	**.01022**
Stddev	.00072	.00032	.00229	.00018	.00019	.00007	.00249	.0104	.00016	.00009
%RSD	89.400	.12812	61.447	9.6166	22.470	17.552	84.027	.20104	26.657	.88760
#1	.00132	.25034	.00211	.00198	.00097	.00042	.00120	5.1791	.00072	.01015
#2	.00030	.25079	.00536	.00173	.00071	.00033	.00473	5.1939	.00049	.01028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00040**	**.03891**	**.43251**	**.00209**	**1.1958**	**3.2358**	**-.00017**	**.38120**	**.01133**
Stddev	.00005	.00009	.00126	.05764	.00126	.0009	.0081	.00006	.00624	.00023
%RSD	88.090	21.618	3.2356	13.326	60.445	.07742	.24974	34.594	1.6371	2.0312
#1	.00009	-.00046	.03802	.47327	.00120	1.1965	3.2415	-.00021	.38561	.01116
#2	.00002	-.00034	.03980	.39176	.00298	1.1952	3.2301	-.00013	.37679	.01149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00074**	**8.1361**	**.00098**	**.00121**	**.32759**	**.70104**	**.00348**	**.03437**	**.00296**
Stddev	.00026	.00087	.0277	.00062	.00110	.00081	.00174	.00046	.00026	.00067
%RSD	127.31	116.88	.34055	63.656	91.301	.24767	.24767	13.125	.74604	22.474
#1	-.00002	.00136	8.1557	.00142	.00198	.32816	.70227	.00381	.03419	.00343
#2	-.00039	.00013	8.1165	.00054	.00043	.32702	.69981	.00316	.03456	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00111**	**-.03063**	**.00027**	**.04946**	**.00034**
Stddev	.00011	.00152	.03670	.00065	.00042	.00089
%RSD	39.057	136.79	119.79	241.74	.85524	259.24
#1	-.00037	-.00219	-.05658	-.00019	.04976	-.00028
#2	-.00021	-.00004	-.00469	.00073	.04916	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8474.9**	**106710.**	**9111.4**
Stddev	.7	511.	64.8
%RSD	.00785	.47888	.71150
#1	8474.4	106350.	9065.5
#2	8475.3	107070.	9157.2

Sample Name: 48682-b-1-b ms@20 Acquired: 11/7/2013 20:58:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199245 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**1.2464**	**.04812**	**.05199**	**.10915**	**.00490**	F **.11027**	**27.992**	**.00829**	**.07445**
Stddev	.00004	.0018	.00030	.00020	.00009	.00011	.00130	.013	.00008	.00015
%RSD	1.1287	.14272	.63344	.38724	.08104	2.2701	1.1803	.04496	.97413	.20460
#1	.00373	1.2451	.04833	.05185	.10921	.00482	.10935	28.001	.00835	.07434
#2	.00379	1.2476	.04790	.05213	.10909	.00498	.11119	27.983	.00824	.07456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01015**	**.01740**	**.16365**	**4.5255**	**.05810**	**8.2218**	W **15.196**	**.04721**	**4.0435**	**.07874**
Stddev	.00010	.00014	.00106	.0054	.00416	.0331	.316	.00019	.0248	.00060
%RSD	1.0107	.81723	.65043	.11998	7.1686	.40195	2.0790	.40642	.61335	.76554
#1	.01007	.01730	.16440	4.5293	.05515	8.1984	14.973	.04707	4.0260	.07832
#2	.01022	.01750	.16289	4.5216	.06104	8.2451	15.420	.04734	4.0610	.07917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48214**	**.02819**	**40.256**	**.02646**	**.10047**	**2.1689**	**4.6414**	**.10020**	**.21997**	**.05624**
Stddev	.00190	.00110	.058	.00312	.00147	.0047	.0101	.00058	.00083	.00017
%RSD	.39353	3.8914	.14479	11.801	1.4665	.21774	.21774	.57926	.37772	.30006
#1	.48080	.02741	40.215	.02867	.09942	2.1722	4.6486	.09979	.22055	.05635
#2	.48348	.02896	40.297	.02425	.10151	2.1655	4.6343	.10061	.21938	.05612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05329**	**.10518**	F **-.11992**	**.02656**	**.24023**	**.02549**
Stddev	.00052	.00068	.00503	.00079	.00045	.00007
%RSD	.97659	.64646	4.1944	2.9701	.18803	.28991
#1	.05292	.10566	-.12348	.02712	.24055	.02544
#2	.05366	.10470	-.11637	.02600	.23991	.02555
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8383.4**	**105980.**	**9132.8**
Stddev	7.1	745.	20.0
%RSD	.08445	.70257	.21898
#1	8388.4	106510.	9147.0
#2	8378.4	105460.	9118.7

Sample Name: 48682-b-1-c msd@20 Acquired: 11/7/2013 21:01:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199245 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00345**	**1.2389**	**.04985**	**.05203**	**.10825**	**.00481**	F **.10928**	**27.564**	**.00826**	**.07451**
Stddev	.00066	.0027	.00086	.00022	.00125	.00003	.00241	.342	.00014	.00022
%RSD	19.141	.21970	1.7180	.42698	1.1530	.59667	2.2049	1.2413	1.6511	.30013
#1	.00298	1.2408	.05046	.05219	.10913	.00483	.10758	27.806	.00836	.07467
#2	.00392	1.2369	.04925	.05188	.10737	.00479	.11099	27.322	.00817	.07435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01001**	**.01727**	**.16217**	**4.4394**	**.05893**	**8.1470**	W **15.067**	**.04691**	**3.9911**	**.07890**
Stddev	.00005	.00048	.00170	.0251	.00005	.0126	.255	.00016	.0527	.00006
%RSD	.45660	2.7867	1.0474	.56451	.08147	.15517	1.6900	.35112	1.3193	.07555
#1	.01004	.01693	.16097	4.4571	.05897	8.1380	14.887	.04680	4.0284	.07886
#2	.00998	.01761	.16337	4.4217	.05890	8.1559	15.247	.04703	3.9539	.07894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48470**	**.02753**	**39.944**	**.02718**	**.09810**	**2.1542**	**4.6101**	**.10019**	**.21733**	**.05802**
Stddev	.00374	.00024	.032	.00047	.00179	.0205	.0440	.00032	.00200	.00051
%RSD	.77144	.88974	.07890	1.7443	1.8255	.95408	.95408	.31799	.92215	.88243
#1	.48205	.02771	39.966	.02751	.09683	2.1688	4.6412	.10042	.21875	.05838
#2	.48734	.02736	39.921	.02684	.09936	2.1397	4.5790	.09997	.21592	.05766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05272**	**.10646**	F **-.12322**	**.02594**	**.23876**	**.02604**
Stddev	.00005	.00147	.02954	.00018	.00033	.00075
%RSD	.09438	1.3763	23.973	.69885	.13939	2.8707
#1	.05275	.10750	-.14410	.02607	.23852	.02551
#2	.05268	.10542	-.10233	.02581	.23899	.02656
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8425.0**	**106290.**	**9315.8**
Stddev	6.1	138.	40.6
%RSD	.07299	.13000	.43598
#1	8420.7	106380.	9287.0
#2	8429.4	106190.	9344.5

Sample Name: CCVH-2357613 Acquired: 11/7/2013 21:03:30 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**48.636**	**.00305**	**.00453**	**.00054**	**.00000**	W **.92113**	**.00828**	**-.00025**	**-.00063**	**-.00013**	**.00691**
Stddev	.00029	.035	.00070	.00046	.00013	.00001	.00231	.00667	.00008	.00010	.00002	.00063
%RSD	7.9028	.07205	22.837	10.200	24.864	264.36	.25081	80.655	30.870	15.293	18.241	9.0781
#1	.00343	48.661	.00354	.00420	.00063	.00001	.91950	.00356	-.00030	-.00069	-.00011	.00735
#2	.00383	48.611	.00255	.00485	.00044	.00000	.92277	.01300	-.00019	-.00056	-.00015	.00647
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.765**	**.10750**	**.00492**	**.09605**	**.00083**	**.00005**	**243.22**	**-.00011**	**.00111**	**.00109**	**4.8973**	**.00355**
Stddev	.157	.01256	.00073	.00133	.00008	.00034	.08	.00020	.00129	.00103	.0024	.00046
%RSD	.34215	11.681	14.774	1.3827	9.8747	716.95	.03434	187.51	116.92	94.101	.04949	13.048
#1	45.876	.11637	.00543	.09699	.00077	-.00019	243.28	-.00025	.00019	.00037	4.8956	.00388
#2	45.654	.09862	.00440	.09511	.00088	.00029	243.16	.00004	.00202	.00182	4.8991	.00322
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**-.01297**	**-.02775**	**.00050**	**.00047**	**4.9196**	**-.00571**	**.00173**	W **10.628**	**.00091**	**.00374**	**.02006**
Stddev	.00065	.00139	.00298	.00013	.00000	.0081	.00024	.00043	.012	.00031	.00014	.00077
%RSD	112.64	10.756	10.756	25.194	.03255	.16467	4.2243	24.700	.11538	33.756	3.7002	3.8608
#1	-.00012	-.01198	-.02564	.00059	.00047	4.9138	-.00588	.00143	10.619	.00113	.00384	.02061
#2	-.00103	-.01395	-.02986	.00041	.00047	4.9253	-.00554	.00203	10.637	.00069	.00364	.01951
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8143.9**	**100110.**	**8893.4**
Stddev	5.0	28.	110.2
%RSD	.06161	.02841	1.2386
#1	8140.3	100130.	8815.5
#2	8147.4	100090.	8971.3

Sample Name: CCV-2357614 Acquired: 11/7/2013 21:05:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50529**	**.53523**	**.97587**	**.50228**	**.52356**	**.49346**	**.00164**	**4.9298**	**.51238**	**.51774**	**.48653**	**.51956**	**2.4124**
Stddev	.00012	.00008	.00318	.00144	.00085	.00081	.00031	.0088	.00022	.00013	.00021	.00070	.0143
%RSD	.02299	.01550	.32551	.28687	.16230	.16463	18.762	.17928	.04271	.02593	.04321	.13527	.59235
#1	.50521	.53517	.97812	.50330	.52296	.49289	.00142	4.9236	.51254	.51765	.48668	.51906	2.4226
#2	.50537	.53529	.97363	.50126	.52416	.49404	.00186	4.9361	.51223	.51784	.48638	.52006	2.4023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.981**	**.98989**	**19.356**	**.51529**	**.47681**	**5.3282**	**.49719**	**.96824**	**1.0304**	**.00657**	**1.0500**	**.99451**	**4.7737**
Stddev	.005	.00310	.008	.00008	.00016	.0064	.00016	.00197	.0004	.00261	.0019	.00113	.0541
%RSD	.01038	.31283	.04006	.01537	.03425	.12045	.03128	.20327	.03929	39.736	.17675	.11316	1.1331
#1	49.978	.98770	19.361	.51523	.47692	5.3327	.49730	.96963	1.0301	.00841	1.0487	.99371	4.7355
#2	49.985	.99208	19.350	.51535	.47669	5.3236	.49708	.96685	1.0306	.00472	1.0513	.99530	4.8120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.216**	**.96075**	**.51076**	**-.00005**	**.52337**	**1.0583**	**.00590**	**.50235**	**.48647**	**.51133**
Stddev	.116	.00121	.00093	.00186	.00056	.0005	.02959	.00004	.00282	.00164
%RSD	1.1331	.12646	.18249	3910.6	.10753	.04508	501.34	.00727	.58051	.31992
#1	10.134	.95989	.51010	-.00136	.52377	1.0579	.02682	.50233	.48447	.51018
#2	10.298	.96161	.51142	.00127	.52298	1.0586	-.01502	.50238	.48846	.51249
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8322.6**	**104410.**	**9097.5**
Stddev	16.7	360.	7.2
%RSD	.20030	.34442	.07874
#1	8334.4	104670.	9092.4
#2	8310.8	104160.	9102.5

Sample Name: CCB Acquired: 11/7/2013 21:07:58 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00035**	**-.00052**	**.00196**	**.00014**	**-.00008**	**.00151**	**-.00239**	**.00012**	**.00018**	**.00001**	**-.00110**
Stddev	.00014	.00027	.00086	.00028	.00009	.00002	.00295	.00204	.00013	.00008	.00007	.00029
%RSD	208.61	76.414	167.61	14.047	62.047	31.240	195.40	85.199	108.45	43.289	595.44	26.130
#1	.00003	.00016	.00010	.00216	.00021	-.00006	.00360	-.00095	.00003	.00012	.00006	-.00130
#2	-.00016	.00054	-.00113	.00177	.00008	-.00010	-.00058	-.00384	.00022	.00023	-.00004	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.07261**	**.00051**	**.00384**	**.00008**	**.00023**	W **.13417**	**.00011**	**.00058**	**.00024**	**.00435**	W **.00353**
Stddev	.00057	.01990	.00429	.00182	.00006	.00017	.01522	.00010	.00098	.00080	.00028	.00074
%RSD	42.609	27.408	843.12	47.444	81.562	70.763	11.346	86.311	168.69	330.01	6.3867	20.930
#1	-.00175	.08668	.00354	.00512	.00013	.00012	.14493	.00004	-.00011	-.00033	.00454	.00406
#2	-.00094	.05853	-.00252	.00255	.00003	.00035	.12341	.00018	.00128	.00081	.00415	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**-.01486**	**-.03181**	**.00045**	**.00004**	**.00265**	**-.00006**	**-.00080**	**-.02317**	**-.00037**	**.00387**	**-.00127**
Stddev	.00083	.00997	.02134	.00094	.00000	.00129	.00034	.00002	.01915	.00000	.00020	.00095
%RSD	68.968	67.102	67.102	208.63	6.7561	48.852	562.11	2.0655	82.654	.57008	5.2607	74.621
#1	.00179	-.00781	-.01671	.00112	.00005	.00356	.00018	-.00081	-.00963	-.00037	.00401	-.00060
#2	.00061	-.02191	-.04690	-.00021	.00004	.00173	-.00030	-.00079	-.03671	-.00037	.00372	-.00195
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8318.3**	**105610.**	**8952.3**
Stddev	27.1	673.	23.8
%RSD	.32537	.63739	.26564
#1	8337.5	106090.	8969.2
#2	8299.2	105140.	8935.5

Sample Name: CCVL2363703 Acquired: 11/7/2013 21:10:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01102**	**.11646**	**.01713**	**.10145**	**.01072**	**.00096**	**.11741**	**.20094**	**.00531**	**.01126**	**.01028**	**.01523**	**.09751**
Stddev	.00022	.00033	.00098	.00037	.00001	.00014	.00209	.00341	.00010	.00015	.00017	.00025	.00216
%RSD	2.0132	.28426	5.7382	.36790	.06340	14.603	1.7842	1.6993	1.9001	1.3112	1.6413	1.6178	2.2112
#1	.01087	.11622	.01644	.10118	.01071	.00087	.11593	.19853	.00538	.01115	.01040	.01506	.09599
#2	.01118	.11669	.01783	.10171	.01072	.00106	.11889	.20336	.00524	.01136	.01016	.01541	.09903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1675**	**.00999**	**.20885**	**.01087**	**.01893**	**1.2018**	**.04220**	**2.8940**	**.01029**	**.00326**	**.01222**	**.01318**	**.46029**
Stddev	.0538	.00062	.00261	.00020	.00010	.0219	.00013	.0043	.00017	.00068	.00031	.00220	.00247
%RSD	1.6997	6.2391	1.2507	1.7962	.52128	1.8202	.29680	.14994	1.6423	20.927	2.5354	16.715	.53578
#1	3.2056	.01043	.20700	.01073	.01900	1.1863	.04211	2.8909	.01017	.00374	.01244	.01163	.45855
#2	3.1294	.00955	.21070	.01101	.01886	1.2173	.04228	2.8971	.01041	.00277	.01200	.01474	.46204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98503**	**.10027**	**.01058**	F **.01954**	**.01032**	**.01838**	F **.00421**	**.01009**	**.02250**	**.01587**
Stddev	.00528	.00057	.00011	.00003	.00026	.00037	.00652	.00020	.00030	.00173
%RSD	.53578	.57252	1.0372	.13085	2.5148	2.0303	154.97	2.0280	1.3438	10.869
#1	.98130	.09986	.01050	.01952	.01013	.01865	-.00040	.00994	.02229	.01465
#2	.98876	.10067	.01066	.01956	.01050	.01812	.00882	.01023	.02272	.01709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01500			.06000			
Range				30.000%			-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8516.2**	**108590.**	**9155.6**
Stddev	.9	1057.	50.7
%RSD	.01045	.97303	.55334
#1	8515.6	109340.	9119.8
#2	8516.8	107850.	9191.5

Sample Name: BLANK SAR WATER Acquired: 11/7/2013 21:12:34 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00024**	**.00120**	**.00110**	**.00033**	**-.00009**	**.00235**	**-.00069**	**-.00019**	**.00010**
Stddev	.00030	.00009	.00186	.00049	.00011	.00007	.00178	.00141	.00012	.00001
%RSD	44.685	35.962	155.27	44.963	32.262	71.010	75.966	204.06	66.412	5.3540
#1	.00089	.00031	-.00012	.00145	.00025	-.00005	.00109	-.00169	-.00028	.00010
#2	.00046	.00018	.00251	.00075	.00040	-.00014	.00361	.00031	-.00010	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00105**	**.00030**	**.04339**	**.00429**	**.00201**	**.00006**	**.00008**	**.11154**	**.00009**
Stddev	.00011	.00047	.00014	.02327	.00103	.00201	.00001	.00014	.00632	.00027
%RSD	186.60	44.581	46.226	53.627	23.946	99.635	16.815	168.83	5.6695	317.31
#1	.00014	-.00138	.00020	.05984	.00502	.00060	.00007	.00018	.11601	.00028
#2	-.00002	-.00072	.00040	.02693	.00357	.00343	.00006	-.00002	.10706	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00011**	**.00543**	**.00236**	**.00403**	**-.01968**	**-.04211**	**.00048**	**.00005**	W **.00579**
Stddev	.00007	.00065	.00233	.00329	.00110	.01039	.02224	.00004	.00008	.00117
%RSD	14.204	569.21	42.835	139.38	27.220	52.798	52.798	7.5228	167.99	20.244
#1	.00046	.00057	.00379	.00469	.00481	-.01233	-.02639	.00045	-.00001	.00662
#2	.00057	-.00034	.00708	.00003	.00325	-.02703	-.05784	.00050	.00011	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00500
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.00045**	W **-.05462**	**-.00031**	**.00377**	**-.00008**
Stddev	.00014	.00128	.06290	.00034	.00046	.00249
%RSD	35.145	287.18	115.15	109.61	12.123	2983.0
#1	-.00049	-.00136	-.01015	-.00056	.00409	-.00184
#2	-.00029	.00046	-.09910	-.00007	.00344	.00168
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8320.3**	**105430.**	**9005.0**
Stddev	17.6	256.	12.0
%RSD	.21146	.24258	.13371
#1	8307.9	105610.	9013.5
#2	8332.8	105250.	8996.5

Sample Name: 48776-6 Acquired: 11/7/2013 21:14:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00157**	**.00228**	**.11003**	**.00028**	**-.00008**	**.00285**	**.04406**	**-.00030**	**.00007**
Stddev	.00046	.00021	.00050	.00051	.00010	.00006	.00043	.00082	.00010	.00025
%RSD	149.29	13.176	21.863	.46040	36.303	79.620	15.175	1.8584	35.222	368.63
#1	-.00002	.00142	.00263	.10967	.00035	-.00012	.00315	.04348	-.00037	.00025
#2	.00063	.00172	.00193	.11039	.00021	-.00003	.00254	.04464	-.00022	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00075**	**-.00332**	**.10000**	**.00369**	**.00173**	**.00025**	**-.00006**	**6.5355**	**.00053**
Stddev	.00011	.00060	.00130	.00112	.00099	.00111	.00002	.00015	.0366	.00035
%RSD	76.987	80.715	39.165	1.1188	26.727	63.926	6.5907	251.79	.56024	65.056
#1	.00022	-.00118	-.00424	.10079	.00299	.00251	.00023	-.00017	6.5614	.00077
#2	.00006	-.00032	-.00240	.09921	.00439	.00095	.00026	.00005	6.5096	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00011**	**.02609**	**.00165**	**.00032**	**4.8291**	**10.334**	**.00047**	**.00015**	**.00474**
Stddev	.00081	.00030	.00083	.00085	.00246	.0016	.003	.00025	.00004	.00019
%RSD	111.42	278.25	3.1716	51.200	763.24	.03290	.03290	52.688	25.698	3.9641
#1	.00015	-.00010	.02668	.00225	-.00142	4.8280	10.332	.00030	.00017	.00487
#2	.00130	.00032	.02551	.00105	.00206	4.8302	10.337	.00065	.00012	.00461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00153**	**-.04245**	**.00013**	**.00319**	**.00091**
Stddev	.00019	.00009	.02233	.00002	.00010	.00017
%RSD	153.81	6.1633	52.591	18.242	3.1954	18.859
#1	.00001	.00160	-.02666	.00014	.00312	.00079
#2	-.00026	.00147	-.05824	.00011	.00327	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8784.7**	**110510.**	**9419.5**
Stddev	21.7	310.	32.2
%RSD	.24731	.28007	.34200
#1	8800.1	110290.	9442.3
#2	8769.3	110730.	9396.8

Sample Name: 48776-1 Acquired: 11/7/2013 21:17:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00115**	**.00210**	**.01507**	**.96915**	**-.00001**	**.00155**	**50.479**	**.00001**	**-.00007**
Stddev	.00012	.00009	.00111	.00057	.00115	.00007	.00086	.230	.00008	.00002
%RSD	40.092	7.5110	52.855	3.7622	.11825	580.30	55.105	.45479	654.90	28.089
#1	.00021	.00122	.00132	.01547	.96996	-.00006	.00216	50.641	.00007	-.00008
#2	.00037	.00109	.00289	.01467	.96834	.00004	.00095	50.316	-.00004	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00041**	**.01951**	**2.9515**	**.00959**	**9.6698**	**.12462**	**.00073**	**24.266**	**.00046**
Stddev	.00003	.00003	.00113	.0271	.00003	.0075	.00002	.00037	.294	.00026
%RSD	8.0904	7.8012	5.8133	.91901	.33198	.07736	.01727	51.543	1.2134	57.040
#1	.00031	-.00039	.01871	2.9324	.00957	9.6751	.12461	.00099	24.475	.00065
#2	.00035	-.00043	.02031	2.9707	.00961	9.6645	.12464	.00046	24.058	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00365**	**.00026**	**4.4554**	**.00155**	**-.00030**	**5.8908**	**12.606**	**-.00009**	**1.7539**	**.00256**
Stddev	.00042	.00096	.0415	.00065	.00172	.0111	.024	.00037	.0025	.00077
%RSD	11.370	362.71	.93074	42.157	570.29	.18804	.18804	384.69	.14325	30.053
#1	.00336	-.00041	4.4261	.00109	.00092	5.8986	12.623	.00016	1.7557	.00202
#2	.00395	.00094	4.4847	.00201	-.00152	5.8830	12.590	-.00035	1.7521	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00270**	**-.02763**	**-.00023**	**.00274**	**.00220**
Stddev	.00049	.00054	.02146	.00017	.00096	.00040
%RSD	156.64	20.063	77.664	74.569	35.094	17.947
#1	.00003	.00309	-.01246	-.00036	.00206	.00248
#2	-.00066	.00232	-.04281	-.00011	.00341	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8462.7**	**105750.**	**9286.6**
Stddev	29.4	54.	69.8
%RSD	.34702	.05150	.75189
#1	8483.4	105710.	9237.2
#2	8441.9	105790.	9336.0

Sample Name: 48776-2 Acquired: 11/7/2013 21:19:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00123**	**.00040**	**.03456**	**.08737**	**.00000**	**.00247**	**132.56**	**.00014**	**.00022**
Stddev	.00036	.00014	.00105	.00036	.00038	.0000	.00053	.65	.00003	.00004
%RSD	74.773	10.962	265.84	1.0336	.44031	145.54	21.594	.48844	23.950	16.932
#1	.00023	.00114	.00114	.03431	.08710	-.00001	.00209	133.02	.00011	.00019
#2	.00073	.00133	-.00035	.03481	.08764	.00000	.00285	132.10	.00016	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00040**	**-.00327**	**3.2983**	**.02758**	**49.458**	**.00833**	**.00070**	**178.30**	**.00042**
Stddev	.00007	.00042	.00191	.0032	.00054	.041	.00004	.00018	1.04	.00005
%RSD	3.9026	105.57	58.527	.09562	1.9503	.08312	.50042	25.239	.58205	11.078
#1	.00170	.00010	-.00462	3.2961	.02796	49.487	.00831	.00083	179.04	.00045
#2	.00180	.00070	-.00192	3.3005	.02719	49.429	.00836	.00058	177.57	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01610**	**.00023**	**122.13**	**-.00100**	**.00100**	**6.7488**	**14.442**	**.00023**	**2.1728**	**.00240**
Stddev	.00080	.00105	.20	.00230	.00132	.0083	.018	.00023	.0079	.00177
%RSD	4.9832	458.94	.16776	228.69	132.14	.12295	.12295	97.200	.36304	73.667
#1	.01667	-.00051	121.98	-.00263	.00007	6.7429	14.430	.00039	2.1784	.00365
#2	.01554	.00097	122.27	.00062	.00194	6.7547	14.455	.00007	2.1672	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00093**	W **-.08542**	**.00053**	**.00643**	**.00094**
Stddev	.00021	.00091	.01324	.00044	.00018	.00223
%RSD	63.924	97.820	15.499	83.066	2.8497	236.85
#1	.00018	.00029	-.09479	.00022	.00656	.00252
#2	.00049	.00157	-.07606	.00084	.00630	-.00064
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8066.1**	**100420.**	**9194.5**
Stddev	19.5	112.	39.3
%RSD	.24133	.11167	.42718
#1	8079.9	100500.	9222.2
#2	8052.3	100340.	9166.7

Sample Name: 48776-3 Acquired: 11/7/2013 21:21:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.02681**	**.00020**	**.03374**	**.08575**	**-.00015**	**.00169**	**131.72**	**.00015**	**.00008**
Stddev	.00025	.00006	.00224	.00001	.00092	.00003	.00148	.35	.00007	.00022
%RSD	67.421	.24196	1142.7	.03570	1.0748	22.171	87.591	.26726	48.945	273.82
#1	.00054	.02685	-.00139	.03373	.08510	-.00017	.00273	131.47	.00020	-.00008
#2	.00019	.02676	.00178	.03375	.08640	-.00013	.00064	131.97	.00010	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.00006**	**.00606**	**3.1576**	**.02638**	**49.077**	**.01229**	**.00024**	**176.96**	**.00038**
Stddev	.00002	.00003	.00065	.0267	.00157	.029	.00001	.00023	.20	.00006
%RSD	1.1581	56.749	10.647	.84651	5.9513	.05878	.08135	94.273	.11491	15.104
#1	.00155	.00008	.00652	3.1387	.02749	49.057	.01230	.00040	176.82	.00034
#2	.00153	.00003	.00560	3.1765	.02527	49.097	.01228	.00008	177.11	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01812**	**-.00041**	**120.29**	**.00174**	**.00471**	**6.7185**	**14.378**	**.00012**	**2.1589**	**.00138**
Stddev	.00350	.00142	.04	.00039	.00127	.0427	.091	.00021	.0014	.00416
%RSD	19.330	342.95	.03500	22.525	27.016	.63582	.63582	173.55	.06573	302.14
#1	.02060	-.00142	120.32	.00146	.00381	6.6883	14.313	.00026	2.1579	-.00156
#2	.01565	.00059	120.26	.00202	.00561	6.7487	14.442	-.00003	2.1599	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00196**	**-.03809**	**.00052**	**.00479**	**.00134**
Stddev	.00019	.00100	.02459	.00043	.00007	.00058
%RSD	18.406	51.262	64.571	81.961	1.5446	42.858
#1	.00118	.00267	-.02070	.00022	.00485	.00175
#2	.00091	.00125	-.05548	.00082	.00474	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8058.4**	**100000.**	**9132.0**
Stddev	12.8	248.0	98.4
%RSD	.15916	.24796	1.0779
#1	8049.3	100180.	9201.6
#2	8067.5	99825.	9062.4

Sample Name: 48776-4 Acquired: 11/7/2013 21:24:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00089**	**.00253**	**.01620**	**.10489**	**-.00005**	**.00117**	**56.045**	**.00005**	**.00017**
Stddev	.00018	.00007	.00094	.00066	.00059	.00000	.00109	.062	.00019	.00024
%RSD	101.00	7.5287	37.100	4.0922	.55988	5.8908	93.621	.11125	347.10	138.76
#1	.00030	.00084	.00319	.01573	.10448	-.00005	.00040	56.089	-.00008	.00034
#2	.00005	.00093	.00187	.01667	.10531	-.00005	.00194	56.000	.00019	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00354**	**-.00042**	**-.00195**	**1.7931**	**.00812**	**13.052**	**.00377**	**.00058**	**27.565**	**.00036**
Stddev	.00001	.00024	.00232	.0090	.00202	.034	.00007	.00023	.129	.00032
%RSD	.21412	56.953	119.08	.50177	24.811	.25697	1.8498	39.431	.46764	89.679
#1	.00353	-.00060	-.00031	1.7867	.00670	13.076	.00382	.00042	27.474	.00013
#2	.00355	-.00025	-.00359	1.7995	.00955	13.028	.00372	.00075	27.656	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**-.00022**	**22.248**	**.00099**	**.00184**	**6.0022**	**12.845**	**-.00032**	**.78372**	**.00321**
Stddev	.00035	.00056	.043	.00014	.00025	.0067	.014	.00040	.00030	.00018
%RSD	13.145	258.30	.19267	14.018	13.770	.11241	.11241	125.66	.03846	5.7165
#1	.00290	-.00061	22.218	.00089	.00202	5.9974	12.834	-.00061	.78393	.00308
#2	.00240	.00018	22.278	.00109	.00166	6.0070	12.855	-.00004	.78351	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00179**	W **-.07381**	**.00029**	**.00381**	**.00075**
Stddev	.00000	.00087	.00656	.00006	.00006	.00138
%RSD	.25542	48.350	8.8863	20.352	1.4619	184.16
#1	-.00026	.00118	-.07845	.00025	.00385	.00173
#2	-.00026	.00241	-.06917	.00033	.00377	-.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8337.1**	**104620.**	**9262.1**
Stddev	31.2	459.	29.4
%RSD	.37366	.43906	.31700
#1	8359.1	104300.	9241.3
#2	8315.1	104950.	9282.8

Sample Name: 48776-5 Acquired: 11/7/2013 21:26:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02664**	**.00215**	**.01941**	**.13859**	**-.00005**	**.00441**	**53.290**	**.00003**	**.00017**
Stddev	.00079	.00013	.00048	.00065	.00076	.00006	.00055	.019	.00001	.00023
%RSD	172.63	.47401	22.365	3.3399	.54865	121.44	12.418	.03500	28.124	137.37
#1	-.00010	.02655	.00249	.01895	.13805	-.00010	.00480	53.277	.00003	.00033
#2	.00101	.02673	.00181	.01986	.13912	-.00001	.00403	53.303	.00002	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00056**	**.00551**	**1.8054**	**.00984**	**12.616**	**.00256**	**.00053**	**46.607**	**.00020**
Stddev	.00003	.00025	.00009	.0061	.00192	.050	.00011	.00009	.175	.00021
%RSD	15.415	44.382	1.7187	.33728	19.485	.39644	4.3630	16.791	.37539	101.21
#1	.00018	-.00073	.00558	1.8097	.00849	12.581	.00248	.00059	46.731	.00006
#2	.00015	-.00038	.00545	1.8011	.01120	12.652	.00264	.00046	46.483	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00581**	**-.00086**	**31.447**	**.00219**	**-.00044**	**5.9865**	**12.811**	**-.00016**	**.57858**	**.00271**
Stddev	.00149	.00031	.048	.00106	.00105	.0528	.113	.00022	.00021	.00068
%RSD	25.640	36.167	.15381	48.258	238.27	.88256	.88256	132.66	.03645	25.011
#1	.00476	-.00108	31.413	.00145	.00030	6.0239	12.891	-.00001	.57843	.00223
#2	.00686	-.00064	31.481	.00294	-.00119	5.9492	12.731	-.00032	.57873	.00320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00111**	**-.04685**	**.00054**	**.00223**	**.00105**
Stddev	.00038	.00056	.01113	.00014	.00020	.00188
%RSD	62.619	50.974	23.747	25.630	9.1199	178.86
#1	.00087	.00071	-.03898	.00044	.00209	-.00028
#2	.00034	.00150	-.05472	.00063	.00238	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8340.7**	**104520.**	**9234.5**
Stddev	4.4	672.	40.5
%RSD	.05254	.64266	.43903
#1	8337.6	105000.	9263.2
#2	8343.8	104050.	9205.8

Sample Name: 48776-5SD@5 Acquired: 11/7/2013 21:28:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.05464**	**.00136**	**.00454**	**.02862**	**-.00007**	**.00072**	**10.635**	**-.00025**	**-.00001**
Stddev	.00033	.00017	.00214	.00026	.00001	.00010	.00112	.036	.00013	.00002
%RSD	236.33	.31184	157.61	5.7787	.02002	134.36	155.08	.33790	52.336	279.01
#1	-.00009	.05452	.00287	.00436	.02862	-.00014	.00152	10.661	-.00035	.00001
#2	.00038	.05476	-.00016	.00473	.02863	.00000	-.00007	10.610	-.00016	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00087**	**.08481**	**.46789**	**.00234**	**2.4947**	**.00131**	**.00009**	**9.4783**	**.00184**
Stddev	.00008	.00014	.00004	.01452	.00245	.0035	.00004	.00007	.0450	.00007
%RSD	58.548	16.175	.04519	3.1044	104.67	.13979	3.1811	80.802	.47458	3.5834
#1	.00020	.00077	.08478	.47816	.00061	2.4922	.00134	.00014	9.5101	.00188
#2	.00008	.00097	.08484	.45762	.00408	2.4972	.00128	.00004	9.4464	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.00014**	**5.8525**	**.00241**	**-.00221**	**1.1564**	**2.4746**	**.00345**	**.11667**	**.00298**
Stddev	.00046	.00013	.0183	.00024	.00273	.0066	.0142	.00033	.00013	.00152
%RSD	28.141	97.456	.31235	10.145	123.37	.57547	.57547	9.5237	.11376	51.102
#1	.00194	-.00023	5.8396	.00258	-.00414	1.1517	2.4645	.00368	.11676	.00190
#2	.00130	-.00004	5.8654	.00223	-.00028	1.1611	2.4847	.00322	.11657	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00068**	**-.04815**	**.00050**	**.00967**	**-.00045**
Stddev	.00005	.00016	.01805	.00033	.00001	.00064
%RSD	83.896	23.381	37.484	65.752	.12356	140.58
#1	-.00003	.00079	-.03539	.00073	.00966	.00000
#2	-.00010	.00057	-.06091	.00027	.00968	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8438.9**	**106130.**	**9246.4**
Stddev	24.9	303.	6.3
%RSD	.29490	.28542	.06770
#1	8421.3	106340.	9241.9
#2	8456.5	105910.	9250.8

Sample Name: 48396-2 @ 10 Acquired: 11/7/2013 21:31:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Zn DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.01096**	**.00400**	**.41614**	**.00298**	**-.00009**	**.00211**	**34.207**	**.00073**	**-.00021**
Stddev	.00014	.00026	.00274	.00020	.00028	.00009	.00042	.011	.00006	.00020
%RSD	25.274	2.3567	68.496	.04810	9.5709	108.58	19.835	.03287	8.7184	96.413
#1	.00046	.01077	.00593	.41600	.00318	-.00015	.00240	34.215	.00078	-.00007
#2	.00065	.01114	.00206	.41628	.00277	-.00002	.00181	34.199	.00069	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00039**	**.02940**	**3.6084**	**.02507**	**160.77**	**.00057**	**.00043**	**272.24**	**.00461**
Stddev	.00002	.00013	.00095	.0124	.00073	.01	.00002	.00016	.68	.00006
%RSD	10.564	32.861	3.2436	.34342	2.9044	.00513	4.1689	37.475	.24911	1.3133
#1	.00020	.00048	.02872	3.5996	.02559	160.78	.00059	.00054	271.76	.00466
#2	.00017	.00030	.03007	3.6171	.02456	160.77	.00056	.00032	272.72	.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01545**	**.00082**	F **330.88**	**.00224**	**.02991**	**1.5231**	**3.2593**	**.00264**	**.46078**	**.00211**
Stddev	.00315	.00085	.17	.00182	.00450	.0139	.0297	.00027	.00000	.00092
%RSD	20.393	103.89	.05124	81.231	15.064	.91258	.91258	10.370	.00061	43.748
#1	.01768	.00142	331.00	.00353	.03309	1.5132	3.2383	.00245	.46078	.00146
#2	.01322	.00022	330.76	.00095	.02672	1.5329	3.2804	.00284	.46078	.00277
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00037**	**-.02472**	**.00144**	**.07327**	**-.00054**
Stddev	.00027	.00055	.05432	.00020	.00047	.00067
%RSD	1399.3	148.08	219.78	14.098	.63536	123.31
#1	-.00017	-.00076	-.06312	.00158	.07360	-.00101
#2	.00021	.00002	.01369	.00129	.07294	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.0**	**97813.**	**9137.5**
Stddev	20.5	69.	14.4
%RSD	.25899	.07025	.15794
#1	7916.4	97861.	9127.3
#2	7945.5	97764.	9147.7

Sample Name: 48346-1 FF Acquired: 11/7/2013 21:33:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00718**	**.00134**	**1.2142**	**.05021**	**-.00002**	**.00189**	**214.45**	**.00037**	**.00027**
Stddev	.00049	.00005	.00231	.0015	.00012	.00007	.00020	1.51	.00020	.00012
%RSD	1373.2	.63287	171.91	.12192	.23042	284.21	10.705	.70491	55.093	42.503
#1	.00038	.00715	.00298	1.2132	.05029	.00002	.00174	213.38	.00051	.00019
#2	-.00031	.00721	-.00029	1.2153	.05013	-.00007	.00203	215.52	.00022	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00332**	**-.00060**	**10.389**	**.18528**	**44.846**	**.00387**	**.00362**	**117.38**	**.00396**
Stddev	.00003	.00033	.00081	.076	.00122	.013	.00003	.00007	.00	.00058
%RSD	7.4626	9.8331	135.45	.72708	.65785	.02840	.69670	2.0249	.00177	14.723
#1	.00047	.00309	-.00003	10.443	.18442	44.837	.00386	.00367	117.38	.00437
#2	.00042	.00355	-.00118	10.336	.18615	44.855	.00389	.00357	117.38	.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02162**	**.00065**	F **221.11**	**.00080**	**.00066**	**10.477**	**22.420**	**.00054**	**4.6024**	**.00139**
Stddev	.00010	.00049	.04	.00064	.00401	.061	.131	.00030	.0946	.00007
%RSD	.46428	75.552	.01820	80.188	605.58	.58570	.58570	55.313	2.0556	5.0451
#1	.02169	.00099	221.14	.00035	.00350	10.433	22.327	.00033	4.6693	.00144
#2	.02155	.00030	221.08	.00125	-.00218	10.520	22.513	.00075	4.5355	.00134
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00230**	**.00202**	**.00268**	**.00228**	**.00113**
Stddev	.00008	.00050	.03302	.00043	.00040	.00003
%RSD	29.386	21.753	1632.6	16.209	17.366	2.9974
#1	-.00021	.00265	-.02132	.00299	.00256	.00110
#2	-.00031	.00194	.02537	.00237	.00200	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.0**	**102020.**	**9295.5**
Stddev	14.9	23.	29.7
%RSD	.18399	.02243	.31926
#1	8096.5	102010.	9316.5
#2	8075.5	102040.	9274.5

Sample Name: CCVH-2357613 Acquired: 11/7/2013 21:36:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	**48.739**	**.00393**	**.00738**	**.00006**	**-.00010**	W **.93411**	**.01212**	**-.00029**	**-.00075**	**-.00004**	**.00736**
Stddev	.00008	.274	.00124	.00058	.00011	.00005	.00454	.00078	.00000	.00003	.00009	.00042
%RSD	2.1848	.56160	31.543	7.9231	182.54	46.279	.48568	6.4175	.08172	4.3886	209.59	5.6996
#1	.00376	48.933	.00305	.00780	.00014	-.00014	.93090	.01268	-.00029	-.00073	.00002	.00766
#2	.00388	48.546	.00481	.00697	-.00002	-.00007	.93732	.01157	-.00029	-.00078	-.00011	.00707
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.638**	**.17726**	**.00367**	**.10146**	**.00048**	**.00018**	**245.03**	**-.00022**	**-.00069**	**.00236**	**5.0345**	**.00383**
Stddev	.023	.03162	.00207	.00110	.00005	.00011	.31	.00004	.00048	.00109	.0055	.00248
%RSD	.05068	17.837	56.414	1.0818	11.082	60.751	.12784	20.261	68.708	45.976	.10833	64.722
#1	45.621	.19962	.00221	.10224	.00044	.00026	245.26	-.00019	-.00036	.00160	5.0306	.00208
#2	45.654	.15491	.00514	.10068	.00052	.00010	244.81	-.00025	-.00103	.00313	5.0383	.00559
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.00322**	**-.00689**	**.00046**	**.00063**	**4.9612**	**-.00604**	**.00052**	W **10.707**	**.00084**	**.00159**	**.02023**
Stddev	.00150	.00941	.02014	.00009	.00002	.0123	.00088	.00006	.085	.00093	.00002	.00015
%RSD	186.17	292.14	292.14	18.705	2.4873	.24736	14.537	11.931	.79209	111.34	1.3623	.74814
#1	-.00186	.00343	.00735	.00040	.00062	4.9526	-.00542	.00056	10.767	.00018	.00158	.02034
#2	.00025	-.00988	-.02114	.00052	.00064	4.9699	-.00666	.00047	10.647	.00150	.00161	.02013
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8177.3**	**101410.**	**9166.6**
Stddev	9.3	16.	40.3
%RSD	.11397	.01599	.43953
#1	8170.7	101420.	9138.2
#2	8183.9	101400.	9195.1

Sample Name: CCV-2357614 Acquired: 11/7/2013 21:38:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50934**	**.53929**	**.98704**	**.50918**	**.53043**	**.49658**	**.00288**	**4.9503**	**.51822**	**.52184**	**.48837**	**.52449**	**2.4163**
Stddev	.00117	.00061	.00349	.00136	.00106	.00036	.00043	.0030	.00113	.00034	.00014	.00053	.0142
%RSD	.22927	.11270	.35390	.26738	.19960	.07309	14.844	.06027	.21809	.06561	.02907	.10046	.58822
#1	.51017	.53972	.98457	.50822	.53118	.49683	.00258	4.9525	.51743	.52208	.48827	.52486	2.4263
#2	.50852	.53886	.98951	.51014	.52968	.49632	.00318	4.9482	.51902	.52159	.48847	.52411	2.4062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.331**	**.99949**	**19.363**	**.51760**	**.47833**	**5.4727**	**.49890**	**.97358**	**1.0372**	**.04251**	**1.0670**	**1.0014**	**4.7612**
Stddev	.071	.00641	.037	.00022	.00022	.0017	.00004	.00137	.0020	.00086	.0031	.0010	.0190
%RSD	.14166	.64100	.19232	.04262	.04616	.03112	.00860	.14024	.19432	2.0171	.29031	.10214	.39809
#1	50.382	1.0040	19.389	.51776	.47818	5.4740	.49893	.97454	1.0358	.04312	1.0692	1.0021	4.7746
#2	50.281	.99496	19.337	.51745	.47849	5.4715	.49887	.97261	1.0386	.04191	1.0648	1.0006	4.7478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.189**	**.96316**	**.51582**	**-.00050**	**.52635**	**1.0696**	**-.07270**	**.50171**	**.48322**	**.51410**
Stddev	.041	.00469	.00079	.00033	.00019	.0015	.02718	.00144	.00071	.00319
%RSD	.39809	.48659	.15248	65.530	.03570	.14307	37.386	.28614	.14729	.62060
#1	10.218	.96648	.51638	-.00073	.52622	1.0685	-.09191	.50272	.48373	.51636
#2	10.160	.95985	.51526	-.00027	.52648	1.0707	-.05348	.50069	.48272	.51184
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8396.9**	**105340.**	**9199.1**
Stddev	14.2	25.	74.5
%RSD	.16929	.02417	.81036
#1	8406.9	105320.	9146.4
#2	8386.8	105360.	9251.9

Sample Name: CCB Acquired: 11/7/2013 21:40:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00034**	**.00137**	**.00225**	**.00028**	**-.00009**	**.00092**	**-.00099**	**.00004**	**-.00004**	**-.00001**
Stddev	.00010	.00023	.00017	.00017	.00048	.00002	.00270	.00142	.00004	.00012	.00003
%RSD	28.533	65.468	12.113	7.4368	171.16	18.041	292.51	143.37	118.38	289.89	553.45
#1	.00042	.00019	.00125	.00237	-.00006	-.00010	-.00099	.00001	.00001	.00004	.00002
#2	.00028	.00050	.00148	.00213	.00063	-.00008	.00283	-.00199	.00007	-.00012	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00143**	**.00054**	**.09544**	**.00200**	**.00264**	**-.00002**	**.00036**	F **.23044**	**.00014**	**-.00165**	**.00086**
Stddev	.00012	.00209	.03665	.00190	.00003	.00007	.00014	.00144	.00035	.00091	.00017
%RSD	8.0983	388.81	38.403	94.869	.96858	303.68	38.574	.62567	260.43	55.095	19.452
#1	-.00135	-.00094	.12136	.00066	.00262	-.00007	.00046	.23146	.00039	-.00100	.00074
#2	-.00151	.00201	.06952	.00335	.00265	.00003	.00026	.22942	-.00011	-.00229	.00098
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03996**	W **.00593**	**-.00188**	**-.02197**	**-.04702**	**.00014**	**.00015**	**.00173**	**.00000**	**-.00037**	**.01303**
Stddev	.00384	.00143	.00048	.00708	.01515	.00032	.00000	.00138	.0001	.00101	.01849
%RSD	9.6178	24.129	25.522	32.228	32.228	225.06	3.4305	79.486	2190.5	277.28	141.88
#1	.04268	.00492	-.00154	-.02698	-.05773	-.00008	.00015	.00076	-.00007	.00035	-.00004
#2	.03724	.00694	-.00222	-.01696	-.03630	.00036	.00014	.00270	.00006	-.00108	.02610
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00022**	**.00303**	**.00089**
Stddev	.00067	.00008	.00076
%RSD	297.68	2.4875	85.621
#1	-.00069	.00308	.00035
#2	.00025	.00298	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8330.1**	**106110.**	**9102.4**
Stddev	1.5	413.	13.3
%RSD	.01785	.38909	.14657
#1	8331.2	106400.	9093.0
#2	8329.0	105820.	9111.9

Sample Name: CCVL2363703 Acquired: 11/7/2013 21:42:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01110**	**.11629**	**.01530**	**.10362**	**.01100**	**.00095**	**.11858**	**.20467**	**.00535**	**.01096**	**.01019**	**.01547**	**.10327**
Stddev	.00028	.00031	.00091	.00005	.00002	.00003	.00021	.00948	.00008	.00001	.00008	.00029	.00010
%RSD	2.5148	.26724	5.9456	.04632	.16399	2.9587	.17332	4.6335	1.4732	.07270	.81350	1.8625	.09384
#1	.01130	.11651	.01465	.10365	.01101	.00097	.11872	.19796	.00541	.01095	.01025	.01527	.10320
#2	.01091	.11607	.01594	.10358	.01099	.00093	.11843	.21137	.00530	.01096	.01013	.01567	.10334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1748**	**.01049**	**.21091**	**.01092**	**.01898**	**1.2582**	**.04217**	**2.9072**	**.00996**	**.02556**	**.01285**	**.01452**	**.45498**
Stddev	.0026	.00239	.00127	.00007	.00026	.0168	.00031	.0020	.00153	.00256	.00134	.00042	.01182
%RSD	.08252	22.767	.59997	.63925	1.3944	1.3309	.73380	.06814	15.364	9.9959	10.439	2.8844	2.5989
#1	3.1767	.01217	.21181	.01097	.01879	1.2464	.04239	2.9086	.00888	.02375	.01380	.01422	.46335
#2	3.1730	.00880	.21002	.01087	.01916	1.2701	.04195	2.9058	.01105	.02737	.01191	.01482	.44662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97367**	**.10012**	**.01062**	**.01908**	**.01026**	**.01776**	F **.02575**	**.00979**	**.02237**	**.01639**
Stddev	.02530	.00069	.00017	.00099	.00023	.00058	.02144	.00023	.00079	.00096
%RSD	2.5989	.69115	1.5737	5.1744	2.2011	3.2448	83.251	2.3530	3.5277	5.8713
#1	.99156	.09963	.01050	.01978	.01010	.01735	.01059	.00962	.02293	.01707
#2	.95577	.10061	.01074	.01838	.01042	.01817	.04091	.00995	.02182	.01570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8568.6**	**109870.**	**9359.1**
Stddev	32.8	403.	17.9
%RSD	.38237	.36645	.19105
#1	8591.7	109590.	9346.5
#2	8545.4	110160.	9371.8

Sample Name: mb 280-199434/1-a Acquired: 11/7/2013 21:45:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00444**	**.00176**	**.00193**	**.00026**	**.00000**	**.00079**	**.00044**	**-.00016**	**.00020**
Stddev	.00015	.00016	.00140	.00008	.00019	.00004	.00153	.00203	.00007	.00014
%RSD	49.458	3.5859	79.855	3.9540	74.086	2052.5	194.82	458.43	45.617	71.703
#1	.00041	.00455	.00076	.00187	.00039	-.00003	-.00030	-.00099	-.00021	.00010
#2	.00020	.00432	.00275	.00198	.00012	.00003	.00187	.00187	-.00011	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00134**	**.00070**	**.08908**	**.00219**	**.00098**	**.00014**	**.00009**	W **.19093**	**.00022**
Stddev	.00002	.00031	.00066	.05033	.00265	.00259	.00002	.00010	.00499	.00001
%RSD	16.015	23.062	93.758	56.503	120.83	263.30	11.438	116.48	2.6148	6.2596
#1	.00011	-.00112	.00024	.12468	.00406	.00281	.00015	.00002	.18740	.00023
#2	.00008	-.00156	.00116	.05349	.00032	-.00085	.00013	.00016	.19446	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.00058**	F **.02525**	**.00234**	**-.00043**	F **-.01661**	**-.03554**	**.00028**	**.00009**	W **.00234**
Stddev	.00212	.00070	.00242	.00141	.00222	.00446	.00953	.00039	.00005	.00178
%RSD	174.45	121.39	9.5894	60.161	511.93	26.829	26.829	139.64	56.297	75.996
#1	-.00271	.00008	.02696	.00333	-.00200	-.01976	-.04228	.00055	.00006	.00108
#2	.00028	.00107	.02354	.00134	.00114	-.01346	-.02880	.00000	.00013	.00360
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00008**	**-.01355**	**-.00030**	**.00325**	**.00111**
Stddev	.00017	.00094	.00782	.00009	.00009	.00059
%RSD	80.249	1219.4	57.690	28.870	2.6737	53.290
#1	.00032	.00059	-.01908	-.00036	.00319	.00153
#2	.00009	-.00075	-.00802	-.00024	.00332	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8491.4**	**108720.**	**9153.0**
Stddev	2.5	2.	7.6
%RSD	.02960	.00229	.08272
#1	8493.1	108720.	9147.7
#2	8489.6	108720.	9158.4

Sample Name: lcs 280-199434/2-a Acquired: 11/7/2013 21:47:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05193**	**2.0946**	**.99794**	**1.0175**	**2.1636**	**.04999**	**2.1175**	**49.413**	**.10883**	**.51718**
Stddev	.00017	.0021	.00831	.0029	.0092	.00012	.0069	.202	.00019	.00010
%RSD	.32529	.10123	.83241	.28884	.42655	.24770	.32501	.40866	.17250	.01950
#1	.05181	2.0961	1.0038	1.0155	2.1571	.04990	2.1126	49.270	.10896	.51725
#2	.05205	2.0931	.99207	1.0196	2.1701	.05008	2.1223	49.555	.10869	.51710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19928**	**.26824**	**.97868**	**51.776**	**1.0159**	**49.419**	**.52225**	**.96607**	**52.176**	**.49557**
Stddev	.00006	.00052	.00927	.265	.0069	.030	.00021	.00121	.039	.00029
%RSD	.03247	.19341	.94728	.51269	.68271	.06104	.04042	.12529	.07505	.05766
#1	.19933	.26861	.97213	51.589	1.0110	49.398	.52210	.96522	52.148	.49577
#2	.19923	.26788	.98524	51.964	1.0208	49.441	.52240	.96693	52.204	.49537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.002**	**.50678**	**.01467**	**.52708**	**2.0408**	**9.7199**	**20.800**	**1.9288**	**1.0513**	**1.0538**
Stddev	.004	.00219	.00121	.00215	.0005	.0072	.015	.0051	.0041	.0054
%RSD	.03932	.43298	8.2170	.40790	.02371	.07353	.07353	.26244	.39232	.51233
#1	10.005	.50833	.01552	.52860	2.0412	9.7148	20.790	1.9324	1.0484	1.0577
#2	9.9995	.50523	.01382	.52556	2.0405	9.7249	20.811	1.9253	1.0542	1.0500
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0740**	**2.0686**	**2.2537**	**.51895**	**.49268**	**.52410**
Stddev	.0010	.0052	.0081	.00031	.00327	.00001
%RSD	.09278	.25000	.36056	.06002	.66472	.00244
#1	1.0747	2.0722	2.2479	.51873	.49037	.52411
#2	1.0733	2.0649	2.2594	.51917	.49500	.52409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8135.5**	**101300.**	**9146.7**
Stddev	12.8	645.	102.3
%RSD	.15760	.63716	1.1188
#1	8126.5	101760.	9219.0
#2	8144.6	100850.	9074.3

Sample Name: 280-48776-c-1-d Acquired: 11/7/2013 21:49:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.24084**	**.00304**	**.01687**	**.98653**	**.00003**	**-.00173**	**50.595**	**.00021**	**-.00012**
Stddev	.00074	.00105	.00081	.00022	.00279	.00003	.00062	.259	.00007	.00023
%RSD	161.85	.43478	26.747	1.3113	.28259	77.006	35.895	.51110	30.729	190.59
#1	.00098	.24010	.00247	.01703	.98850	.00002	-.00217	50.778	.00026	.00004
#2	-.00007	.24158	.00362	.01672	.98456	.00005	-.00129	50.412	.00017	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00045**	**.28763**	**2.9860**	**.01156**	**9.4399**	**.13033**	**.00140**	**24.053**	**.00028**
Stddev	.00004	.00008	.00048	.0246	.00130	.0067	.00011	.00010	.292	.00044
%RSD	9.0585	16.959	.16694	.82389	11.237	.07088	.08216	7.0102	1.2155	154.63
#1	.00046	-.00050	.28797	3.0034	.01248	9.4352	.13041	.00147	23.846	-.00003
#2	.00040	-.00040	.28729	2.9686	.01064	9.4447	.13026	.00133	24.259	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00844**	**-.00001**	**4.0985**	**.00403**	**-.00075**	**6.3046**	**13.492**	**.00007**	**1.7717**	**.00325**
Stddev	.00012	.00060	.0002	.00203	.00134	.0004	.001	.00005	.0076	.00109
%RSD	1.4056	5044.1	.00538	50.342	179.70	.00704	.00704	78.294	.42867	33.459
#1	.00836	-.00043	4.0983	.00546	.00020	6.3050	13.493	.00010	1.7771	.00402
#2	.00853	.00041	4.0986	.00259	-.00169	6.3043	13.491	.00003	1.7664	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00379**	**.00065**	**-.00555**	**.00016**	**.00555**	**.00118**
Stddev	.00018	.00046	.02745	.00017	.00015	.00047
%RSD	4.7063	70.702	494.58	103.19	2.7419	39.417
#1	.00391	.00033	.01386	.00028	.00566	.00085
#2	.00366	.00098	-.02496	.00004	.00544	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8388.4**	**105940.**	**9321.1**
Stddev	11.4	108.	51.0
%RSD	.13633	.10230	.54757
#1	8380.3	106020.	9285.0
#2	8396.5	105860.	9357.2

Sample Name: 280-48776-c-1-dSD@5 Acquired: 11/7/2013 21:51:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.08475**	**.00168**	**.00481**	**.19696**	**-.00009**	**.00117**	**10.124**	**-.00001**	**.00025**
Stddev	.00017	.00174	.00035	.00023	.00029	.00002	.00140	.001	.00004	.00006
%RSD	37.614	2.0546	20.797	4.7589	.14549	19.454	119.82	.01215	688.91	22.443
#1	.00034	.08598	.00193	.00498	.19676	-.00010	.00216	10.123	.00002	.00021
#2	.00059	.08351	.00143	.00465	.19717	-.00007	.00018	10.125	-.00003	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00080**	**.24282**	**.65654**	**.00278**	**1.9280**	**.02885**	**.00039**	**4.9830**	**.00050**
Stddev	.00001	.00037	.00214	.00018	.00011	.0134	.00002	.00015	.0114	.00027
%RSD	4.5540	45.848	.88197	.02687	3.8853	.69408	.07694	39.023	.22846	53.817
#1	.00030	-.00106	.24433	.65666	.00286	1.9375	.02886	.00028	4.9910	.00069
#2	.00032	-.00054	.24130	.65641	.00271	1.9186	.02883	.00049	4.9749	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**-.00017**	**.81544**	**-.00035**	**.00031**	**1.2320**	**2.6364**	**.00320**	**.35125**	**.00264**
Stddev	.00056	.00004	.00240	.00062	.00228	.0080	.0172	.00034	.00007	.00002
%RSD	31.171	26.081	.29391	177.99	727.13	.65190	.65190	10.715	.02073	.74011
#1	.00218	-.00020	.81714	.00009	.00193	1.2263	2.6243	.00295	.35130	.00263
#2	.00139	-.00014	.81375	-.00079	-.00130	1.2376	2.6486	.00344	.35120	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00031**	**.00135**	**.00004**	**.02831**	**-.00029**
Stddev	.00012	.00058	.00781	.00023	.00004	.00009
%RSD	24.636	189.29	578.11	506.25	.14408	32.109
#1	.00042	.00010	-.00417	.00020	.02828	-.00036
#2	.00059	-.00072	.00687	-.00011	.02833	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8456.3**	**107440.**	**9295.4**
Stddev	16.4	314.	108.4
%RSD	.19452	.29264	1.1656
#1	8444.7	107210.	9372.0
#2	8467.9	107660.	9218.8

Sample Name: 280-48776-c-1-e ms Acquired: 11/7/2013 21:54:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05212**	W **2.5229**	W **2.7668**	**1.0046**	**1.0316**	**3.1250**	**.05033**	F **2.1188**	**98.434**	**.10932**
Stddev	.00026	.0004	.0007	.0076	.0028	.0034	.00011	.0044	.071	.00029
%RSD	.50585	.01443	.02500	.75774	.26793	.10716	.22303	.20869	.07187	.26365
#1	.05193	2.5232	2.7663	.99918	1.0297	3.1226	.05025	2.1157	98.384	.10912
#2	.05230	2.5226	2.7673	1.0099	1.0336	3.1273	.05041	2.1220	98.484	.10952
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		2.5000	500.00					.10000		
Low Limit		-.05000	3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51281**	**.19943**	**.26966**	**1.2887**	**54.858**	**1.0246**	**57.839**	**.64282**	**.96635**	**74.808**
Stddev	.00016	.00056	.00056	.0033	.023	.0015	.055	.00026	.00198	.401
%RSD	.03056	.28155	.20943	.25297	.04118	.14251	.09520	.04068	.20494	.53580
#1	.51270	.19904	.27006	1.2864	54.874	1.0235	57.801	.64263	.96495	74.524
#2	.51292	.19983	.26926	1.2910	54.842	1.0256	57.878	.64300	.96775	75.091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49114**	W **10.102**	**.49881**	**4.0708**	**.52783**	**2.0369**	**16.438**	**35.178**	**1.9144**	**2.7770**
Stddev	.00018	.012	.00101	.0078	.00166	.0051	.070	.151	.0060	.0036
%RSD	.03616	.11905	.20162	.19068	.31461	.25159	.42872	.42872	.31456	.12907
#1	.49101	10.094	.49952	4.0653	.52666	2.0333	16.388	35.071	1.9101	2.7745
#2	.49126	10.111	.49810	4.0763	.52901	2.0405	16.488	35.285	1.9186	2.7795
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0502**	**1.0785**	**2.0249**	**2.2541**	**.51980**	**.48667**	**.52452**
Stddev	.0020	.0003	.0023	.0268	.00089	.00149	.00085
%RSD	.19328	.02490	.11315	1.1902	.17156	.30666	.16280
#1	1.0517	1.0787	2.0233	2.2731	.51917	.48562	.52391
#2	1.0488	1.0783	2.0265	2.2351	.52043	.48773	.52512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8164.1**	**102190.**	**9247.3**
Stddev	2.1	67.	24.9
%RSD	.02516	.06548	.26950
#1	8165.5	102240.	9264.9
#2	8162.6	102140.	9229.7

Sample Name: 280-48776-c-1-f msd Acquired: 11/7/2013 21:56:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05238**	W **2.5272**	W **2.7460**	**1.0217**	**1.0490**	**3.1706**	**.05089**	F **2.1447**	**100.28**	**.11084**
Stddev	.00011	.0014	.0027	.0073	.0007	.0027	.00010	.0030	.03	.00029
%RSD	.21543	.05602	.09754	.70912	.06679	.08610	.19485	.14097	.03241	.26045
#1	.05230	2.5283	2.7479	1.0269	1.0495	3.1686	.05096	2.1469	100.26	.11063
#2	.05246	2.5262	2.7442	1.0166	1.0485	3.1725	.05082	2.1426	100.31	.11104
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		2.5000	500.00					.10000		
Low Limit		-.05000	3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51804**	**.20166**	**.27263**	**1.3089**	**55.748**	**1.0366**	**58.784**	**.65265**	**.97935**	**76.167**
Stddev	.00093	.00003	.00027	.0045	.042	.0003	.082	.00092	.00073	.123
%RSD	.17963	.01663	.10061	.34695	.07556	.02904	.13933	.14042	.07404	.16161
#1	.51870	.20164	.27283	1.3121	55.778	1.0364	58.726	.65200	.97986	76.254
#2	.51738	.20168	.27244	1.3057	55.718	1.0368	58.842	.65330	.97884	76.080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49709**	W **10.260**	**.50663**	**4.1471**	**.53413**	**2.0632**	**16.818**	**35.991**	**1.9386**	**2.8296**
Stddev	.00029	.005	.00090	.0050	.00018	.0077	.068	.146	.0072	.0012
%RSD	.05789	.04827	.17711	.12041	.03284	.37503	.40538	.40538	.36870	.04311
#1	.49730	10.264	.50727	4.1436	.53401	2.0687	16.770	35.888	1.9437	2.8287
#2	.49689	10.257	.50600	4.1506	.53425	2.0577	16.866	36.094	1.9336	2.8304
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0637**	**1.0902**	**2.0450**	**2.3043**	**.52463**	**.48999**	**.53640**
Stddev	.0000	.0018	.0021	.0268	.00018	.00126	.00180
%RSD	.00112	.16444	.10358	1.1632	.03405	.25726	.33606
#1	1.0637	1.0889	2.0465	2.2853	.52450	.48910	.53512
#2	1.0637	1.0914	2.0435	2.3232	.52476	.49088	.53767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8107.1**	**101790.**	**9122.0**
Stddev	12.0	36.	29.7
%RSD	.14858	.03504	.32572
#1	8098.5	101820.	9143.0
#2	8115.6	101770.	9101.0

Sample Name: 280-48776-c-2-b Acquired: 11/7/2013 21:58:29 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**10.325**	**.00030**	**.03807**	**.28761**	**.00049**	**-.00464**	**140.84**	**.00058**	**.00561**
Stddev	.00034	.007	.00144	.00012	.00014	.00003	.00019	.49	.00002	.00008
%RSD	103.62	.06514	478.77	.31708	.04821	6.7962	4.1246	.34579	2.7917	1.4008
#1	.00009	10.329	.00132	.03816	.28751	.00052	-.00477	140.50	.00059	.00566
#2	.00057	10.320	-.00072	.03799	.28771	.00047	-.00450	141.19	.00056	.00555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.01587**	**12.244**	**4.9758**	**.03570**	**49.261**	**.43044**	**.00130**	**175.44**	**.00838**
Stddev	.00004	.00016	.005	.0095	.00231	.116	.00061	.00001	.24	.00029
%RSD	.42552	.97824	.03923	.19142	6.4682	.23596	.14124	1.1249	.13628	3.4544
#1	.00983	.01598	12.241	4.9691	.03406	49.343	.43087	.00129	175.27	.00818
#2	.00989	.01576	12.248	4.9826	.03733	49.178	.43001	.00131	175.61	.00858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35967**	**.01649**	**113.44**	**-.00026**	**.00046**	**23.098**	**49.430**	**.00134**	**2.2308**	**.00669**
Stddev	.00107	.00015	.13	.00291	.00086	.125	.268	.00086	.0016	.00192
%RSD	.29730	.88888	.11632	1109.2	185.53	.54165	.54165	64.607	.07104	28.690
#1	.36042	.01659	113.35	.00179	.00107	23.010	49.241	.00195	2.2296	.00533
#2	.35891	.01638	113.54	-.00232	-.00014	23.187	49.619	.00073	2.2319	.00805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24070**	**.00109**	W **-.05639**	**.02083**	**.04901**	**.00512**
Stddev	.00593	.00077	.00222	.00024	.00036	.00144
%RSD	2.4655	70.520	3.9459	1.1584	.72640	28.196
#1	.24490	.00163	-.05481	.02100	.04875	.00410
#2	.23650	.00054	-.05796	.02066	.04926	.00614
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.0**	**101230.**	**9236.9**
Stddev	15.4	558.	66.6
%RSD	.18977	.55163	.72075
#1	8089.2	100830.	9284.0
#2	8110.9	101620.	9189.8

Sample Name: CCVH-2357613 Acquired: 11/7/2013 22:00:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**49.210**	**.00328**	**.00685**	**.00015**	**-.00002**	W **.94708**	**.00931**	**-.00030**	**-.00074**	**-.00027**	**.00798**
Stddev	.00017	.192	.00081	.00026	.00009	.00005	.00032	.00336	.00017	.00019	.00011	.00005
%RSD	4.2126	.39002	24.570	3.7359	58.986	291.11	.03374	36.052	55.352	25.787	42.555	.66041
#1	.00413	49.074	.00271	.00667	.00009	.00002	.94685	.01169	-.00042	-.00060	-.00035	.00794
#2	.00389	49.345	.00386	.00704	.00022	-.00005	.94730	.00694	-.00018	-.00087	-.00019	.00802
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.375**	**.18118**	**.00154**	**.09654**	**.00038**	**-.00001**	**247.95**	**.00051**	**-.00014**	**.00113**	**5.0339**	**.00347**
Stddev	.193	.02003	.00078	.00203	.00007	.00019	.09	.00023	.00005	.00063	.0144	.00166
%RSD	.41657	11.057	50.418	2.1077	18.849	2937.9	.03518	44.622	36.608	56.015	.28597	47.847
#1	46.239	.16701	.00099	.09798	.00044	-.00014	247.89	.00035	-.00018	.00158	5.0237	.00464
#2	46.512	.19534	.00209	.09510	.00033	.00013	248.01	.00067	-.00011	.00068	5.0440	.00229
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**-.00290**	**-.00622**	**.00064**	**.00056**	**4.9841**	**-.00584**	**.00090**	W **10.751**	**.00094**	**.00105**	**.02493**
Stddev	.00445	.01435	.03071	.00081	.00011	.0013	.00024	.00026	.008	.00014	.00031	.00087
%RSD	239.88	494.08	494.08	126.63	19.788	.02604	4.1092	28.825	.07581	14.943	29.658	3.4738
#1	.00129	-.01305	-.02793	.00121	.00064	4.9832	-.00567	.00108	10.757	.00103	.00127	.02432
#2	-.00500	.00724	.01550	.00007	.00048	4.9850	-.00601	.00072	10.746	.00084	.00083	.02554
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8157.3**	**101480.**	**9134.1**
Stddev	24.7	226.	15.1
%RSD	.30323	.22223	.16561
#1	8139.8	101320.	9144.8
#2	8174.8	101640.	9123.4

Sample Name: CCV-2357614 Acquired: 11/7/2013 22:03:07 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50830**	**.53680**	**.98124**	**.50681**	**.52699**	**.49481**	**.00314**	**4.9419**	**.51531**	**.52017**	**.48836**	**.52291**	**2.4168**
Stddev	.00067	.00014	.00026	.00032	.00009	.00106	.00148	.0197	.00022	.00140	.00081	.00023	.0045
%RSD	.13274	.02677	.02612	.06335	.01797	.21392	47.260	.39928	.04311	.26952	.16545	.04363	.18754
#1	.50877	.53670	.98106	.50704	.52692	.49407	.00419	4.9279	.51547	.52117	.48893	.52275	2.4136
#2	.50782	.53690	.98142	.50658	.52705	.49556	.00209	4.9558	.51516	.51918	.48778	.52307	2.4200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.340**	**.99829**	**19.388**	**.51605**	**.47951**	**5.4264**	**.49917**	**.96789**	**1.0372**	**.01297**	**1.0613**	**.99851**	**4.7797**
Stddev	.099	.00019	.014	.00047	.00017	.0012	.00007	.00034	.0022	.00230	.0017	.00032	.0171
%RSD	.19746	.01913	.07247	.09126	.03567	.02133	.01354	.03481	.21536	17.772	.15977	.03224	.35737
#1	50.269	.99816	19.378	.51571	.47963	5.4255	.49912	.96765	1.0356	.01459	1.0601	.99874	4.7676
#2	50.410	.99843	19.398	.51638	.47939	5.4272	.49922	.96813	1.0388	.01134	1.0625	.99829	4.7917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.228**	**.96463**	**.51393**	**.00052**	**.52458**	**1.0626**	**-.00821**	**.50167**	**.48536**	**.51504**
Stddev	.037	.00405	.00054	.00023	.00065	.0004	.02144	.00010	.00163	.00100
%RSD	.35737	.42030	.10431	44.813	.12348	.04103	261.15	.01898	.33518	.19500
#1	10.203	.96176	.51355	.00035	.52504	1.0623	.00695	.50161	.48651	.51433
#2	10.254	.96750	.51431	.00068	.52412	1.0629	-.02337	.50174	.48421	.51575
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8345.1**	**104950.**	**9168.7**
Stddev	11.5	214.	4.4
%RSD	.13804	.20393	.04814
#1	8337.0	105110.	9171.8
#2	8353.3	104800.	9165.6

Sample Name: CCB Acquired: 11/7/2013 22:05:14 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00067**	**.00154**	**.00260**	**.00018**	**-.00004**	**.00189**	**-.00217**	**-.00010**	**.00026**	**.00006**	**-.00105**
Stddev	.00001	.00007	.00030	.00107	.00004	.00003	.00137	.00340	.00019	.00004	.00018	.00018
%RSD	1.6343	10.594	19.725	41.084	20.551	71.527	72.843	156.75	183.95	14.983	291.09	17.331
#1	.00051	.00062	.00175	.00335	.00016	-.00006	.00286	-.00457	.00003	.00023	.00019	-.00118
#2	.00052	.00072	.00132	.00184	.00021	-.00002	.00091	.00023	-.00023	.00029	-.00006	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.14684**	**.00099**	**.00149**	**-.00002**	**.00048**	F **.19868**	**.00007**	**-.00195**	**.00140**	**.01996**	W **.00534**
Stddev	.00001	.04795	.00159	.00021	.00005	.00007	.00142	.00030	.00106	.00002	.00143	.00177
%RSD	.91653	32.654	159.84	14.139	239.40	14.119	.71698	411.14	54.644	1.1458	7.1511	33.243
#1	-.00163	.18075	-.00013	.00134	.00001	.00053	.19968	.00029	-.00119	.00139	.01895	.00659
#2	-.00160	.11294	.00212	.00164	-.00006	.00044	.19767	-.00014	-.00270	.00141	.02097	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**-.01366**	**-.02923**	**.00053**	**.00013**	**.00464**	**.00022**	**-.00035**	F **-.05126**	**-.00004**	**.00331**	**.00076**
Stddev	.00233	.01009	.02160	.00056	.00000	.00120	.00027	.00024	.00789	.00002	.00000	.00200
%RSD	265.37	73.904	73.904	104.97	2.7466	25.878	121.71	67.012	15.383	57.488	.12572	261.62
#1	.00252	-.00652	-.01395	.00014	.00012	.00549	.00041	-.00019	-.04568	-.00002	.00332	-.00065
#2	-.00077	-.02080	-.04450	.00093	.00013	.00379	.00003	-.00052	-.05683	-.00005	.00331	.00217
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8264.6**	**105840.**	**8970.9**
Stddev	9.3	186.	24.1
%RSD	.11288	.17600	.26917
#1	8258.0	105970.	8988.0
#2	8271.2	105710.	8953.8

Sample Name: CCVL2363703 Acquired: 11/7/2013 22:07:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01096**	**.11727**	**.01619**	**.10258**	**.01089**	**.00098**	**.11807**	**.20794**	**.00541**	**.01146**	**.01025**	**.01526**	**.09559**
Stddev	.00028	.00011	.00018	.00063	.00015	.00001	.00111	.00146	.00004	.00007	.00004	.00043	.00074
%RSD	2.5746	.09223	1.1053	.61849	1.4091	.83824	.94154	.70397	.67141	.59827	.39772	2.8332	.77093
#1	.01076	.11735	.01631	.10214	.01078	.00099	.11886	.20691	.00543	.01151	.01022	.01556	.09612
#2	.01116	.11720	.01606	.10303	.01100	.00098	.11729	.20898	.00538	.01141	.01027	.01495	.09507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1664**	F **.01417**	**.21231**	**.01093**	**.01888**	**1.2600**	**.04240**	**2.8866**	**.00969**	**.01163**	**.01185**	**.01420**	**.46390**
Stddev	.0311	.00118	.00289	.00001	.00027	.0204	.00053	.0120	.00028	.00011	.00104	.00191	.00319
%RSD	.98176	8.3085	1.3630	.09479	1.4526	1.6229	1.2589	.41685	2.8645	.92831	8.7613	13.476	.68703
#1	3.1444	.01500	.21027	.01094	.01908	1.2456	.04202	2.8781	.00949	.01155	.01258	.01285	.46165
#2	3.1884	.01334	.21436	.01092	.01869	1.2745	.04278	2.8951	.00988	.01171	.01111	.01556	.46616
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99276**	**.10072**	**.01063**	**.01762**	**.01044**	**.01752**	**.04980**	**.00961**	**.02310**	**.01482**
Stddev	.00682	.00012	.00016	.00233	.00013	.00109	.01569	.00021	.00011	.00304
%RSD	.68703	.11424	1.5299	13.248	1.2582	6.2059	31.500	2.1824	.48014	20.498
#1	.98793	.10064	.01051	.01927	.01054	.01829	.06090	.00976	.02303	.01696
#2	.99758	.10080	.01074	.01597	.01035	.01675	.03871	.00946	.02318	.01267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8554.8**	**108310.**	**9257.7**
Stddev	24.3	162.	15.7
%RSD	.28389	.14962	.16910
#1	8572.0	108430.	9268.7
#2	8537.6	108200.	9246.6

Sample Name: 280-48776-c-3-b Acquired: 11/7/2013 22:09:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**12.452**	**.00203**	**.03710**	**.34980**	**.00058**	**-.00389**	**143.94**	**.00084**	**.00760**
Stddev	.00034	.012	.00468	.00019	.00034	.00001	.00226	.09	.00011	.00003
%RSD	565.47	.09243	230.73	.51426	.09699	1.4194	58.112	.06223	13.416	.45955
#1	.00030	12.444	.00534	.03724	.35004	.00059	-.00229	143.88	.00092	.00762
#2	-.00018	12.460	-.00128	.03697	.34956	.00058	-.00549	144.01	.00076	.00757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01509**	**.02397**	**18.163**	**5.6072**	**.03555**	**49.962**	**.47651**	**.00140**	**176.44**	**.01146**
Stddev	.00001	.00064	.005	.0925	.00268	.009	.00050	.00029	.10	.00009
%RSD	.04794	2.6903	.02765	1.6501	7.5266	.01729	.10572	21.009	.05459	.82658
#1	.01509	.02443	18.159	5.5418	.03365	49.956	.47687	.00161	176.51	.01139
#2	.01508	.02352	18.166	5.6727	.03744	49.968	.47615	.00119	176.38	.01153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52938**	**.02426**	**114.21**	**-.00060**	**.00515**	**26.275**	**56.228**	**.00153**	**2.2634**	**.01042**
Stddev	.00378	.00021	.00	.00003	.00097	.044	.094	.00052	.0020	.00135
%RSD	.71423	.88447	.00116	4.4451	18.775	.16682	.16682	33.719	.08808	12.991
#1	.52670	.02441	114.21	-.00058	.00584	26.244	56.162	.00117	2.2648	.00946
#2	.53205	.02411	114.21	-.00062	.00447	26.306	56.294	.00190	2.2620	.01137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27281**	**.00006**	W **-.07875**	**.02560**	**.07319**	**.00572**
Stddev	.00329	.00021	.00132	.00031	.00029	.00089
%RSD	1.2070	334.17	1.6791	1.2072	.38956	15.517
#1	.27048	.00021	-.07782	.02582	.07299	.00635
#2	.27514	-.00009	-.07969	.02538	.07339	.00509
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8059.6**	**101070.**	**9297.8**
Stddev	8.6	189.	72.5
%RSD	.10642	.18732	.78018
#1	8065.6	101200.	9349.1
#2	8053.5	100940.	9246.5

Sample Name: 280-48776-c-4-b Acquired: 11/7/2013 22:12:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**1.3029**	**.00411**	**.01800**	**.18754**	**.00000**	**-.00134**	**56.652**	**.00010**	**.00150**
Stddev	.00001	.0039	.00264	.00021	.00073	.0000	.00158	.190	.00008	.00012
%RSD	.93895	.29852	64.107	1.1415	.38975	1004.3	118.66	.33484	82.750	7.7778
#1	.00091	1.3057	.00225	.01814	.18806	-.00002	-.00246	56.786	.00016	.00158
#2	.00089	1.3002	.00598	.01785	.18703	.00001	-.00021	56.518	.00004	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01522**	**.00377**	**2.2221**	**2.7670**	**.01239**	**12.893**	**1.3857**	**.00144**	**29.100**	**.00208**
Stddev	.00011	.00043	.0029	.0271	.00025	.008	.0013	.00011	.057	.00012
%RSD	.70271	11.366	.13218	.97894	2.0285	.06337	.09649	7.8978	.19594	5.8707
#1	.01515	.00346	2.2200	2.7478	.01257	12.899	1.3867	.00152	29.140	.00200
#2	.01530	.00407	2.2242	2.7861	.01221	12.887	1.3848	.00136	29.060	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04606**	**.00194**	**21.092**	**.00127**	**-.00099**	**8.4689**	**18.124**	**.00020**	**.83101**	**.00318**
Stddev	.00221	.00136	.025	.00043	.00019	.0022	.005	.00009	.00227	.00353
%RSD	4.8039	70.153	.11975	33.901	19.453	.02581	.02581	44.702	.27326	111.18
#1	.04762	.00098	21.110	.00158	-.00086	8.4674	18.120	.00014	.83261	.00068
#2	.04449	.00291	21.074	.00097	-.00113	8.4705	18.127	.00027	.82940	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04587**	**.00021**	**-.03443**	**.00264**	**.01477**	**.00224**
Stddev	.00374	.00053	.04207	.00083	.00015	.00347
%RSD	8.1485	254.31	122.19	31.299	.98447	154.71
#1	.04851	-.00017	-.00468	.00322	.01467	.00470
#2	.04323	.00058	-.06417	.00205	.01487	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8369.6**	**105380.**	**9339.7**
Stddev	5.0	12.	52.2
%RSD	.05942	.01174	.55909
#1	8366.1	105390.	9376.6
#2	8373.1	105370.	9302.8

Sample Name: 280-48776-c-5-b Acquired: 11/7/2013 22:14:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**11.316**	**.00402**	**.02224**	**1.2314**	**.00065**	**-.00882**	**55.576**	**.00073**	**.02407**
Stddev	.00004	.000	.00216	.00006	.0015	.00005	.00191	.001	.00011	.00004
%RSD	5.9843	.00256	53.591	.28428	.12452	7.0170	21.653	.00226	15.777	.15193
#1	.00062	11.316	.00250	.02220	1.2325	.00068	-.01018	55.577	.00065	.02404
#2	.00067	11.317	.00555	.02229	1.2303	.00061	-.00747	55.575	.00081	.02409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.01537**	**18.774**	**3.8691**	**.01707**	**14.270**	**8.3359**	**.00431**	**45.226**	**.01862**
Stddev	.00021	.00004	.000	.0237	.00029	.003	.0231	.00000	.595	.00056
%RSD	2.5139	.23780	.00209	.61338	1.6928	.01812	.27653	.08373	1.3164	3.0085
#1	.00851	.01534	18.775	3.8524	.01687	14.268	8.3522	.00430	45.647	.01902
#2	.00821	.01539	18.774	3.8859	.01728	14.272	8.3196	.00431	44.805	.01823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28503**	**.02232**	**28.659**	**.00038**	**.00265**	**23.720**	**50.760**	**.00132**	**.62260**	**.01247**
Stddev	.00104	.00026	.002	.00015	.00035	.043	.093	.00005	.00062	.00046
%RSD	.36483	1.1843	.00668	38.808	13.099	.18314	.18314	4.1302	.09946	3.6712
#1	.28576	.02213	28.660	.00049	.00290	23.751	50.826	.00128	.62304	.01215
#2	.28429	.02251	28.658	.00028	.00240	23.689	50.695	.00136	.62217	.01280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19034**	**-.00098**	F **-.12639**	**.02113**	**.05844**	**.00579**
Stddev	.00737	.00013	.02390	.00039	.00014	.00061
%RSD	3.8725	13.502	18.912	1.8265	.23182	10.518
#1	.18512	-.00108	-.10949	.02086	.05853	.00622
#2	.19555	-.00089	-.14329	.02140	.05834	.00536
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8501.2**	**105670.**	**9505.1**
Stddev	11.6	116.	9.0
%RSD	.13635	.11018	.09475
#1	8509.4	105590.	9498.7
#2	8493.0	105750.	9511.4

Sample Name: 280-48776-c-6-b Acquired: 11/7/2013 22:16:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00939**	**.00288**	**.10429**	**.00025**	**-.00001**	**.00091**	**.06372**	**-.00001**	**.00000**
Stddev	.00029	.00015	.00191	.00001	.00001	.00004	.00140	.00459	.00002	.0002
%RSD	62.613	1.5606	66.397	.01030	5.1612	712.99	153.97	7.1982	127.56	6370.6
#1	.00067	.00929	.00153	.10428	.00024	-.00003	-.00008	.06048	-.00003	.00011
#2	.00026	.00949	.00423	.10429	.00025	.00002	.00189	.06696	.00000	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00071**	**.01928**	**.20222**	**.00289**	**.00751**	**.00125**	**.00013**	**6.4273**	**.00013**
Stddev	.00004	.00008	.00126	.02450	.00043	.00100	.00002	.00025	.0039	.00016
%RSD	9.8420	11.696	6.5478	12.116	14.848	13.286	1.3420	182.89	.06102	120.47
#1	.00048	-.00077	.01839	.21954	.00320	.00821	.00124	-.00004	6.4245	.00002
#2	.00042	-.00065	.02018	.18489	.00259	.00680	.00126	.00031	6.4300	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00077**	**.04607**	**.00088**	**.00225**	**4.7326**	**10.128**	**.00014**	**.00037**	**.00394**
Stddev	.00120	.00051	.00046	.00244	.00065	.0223	.048	.00010	.00017	.00045
%RSD	78.382	66.240	.99195	275.81	28.796	.47225	.47225	73.704	45.580	11.400
#1	.00068	.00041	.04575	-.00084	.00271	4.7168	10.094	.00021	.00025	.00426
#2	.00237	.00113	.04640	.00261	.00179	4.7484	10.162	.00007	.00049	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00031**	W **-.05156**	**-.00045**	**.00396**	**.00043**
Stddev	.00051	.00120	.01611	.00023	.00001	.00191
%RSD	324.77	386.33	31.252	52.343	.13385	446.23
#1	.00052	-.00116	-.04017	-.00061	.00396	-.00092
#2	-.00020	.00054	-.06296	-.00028	.00395	.00178
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8532.7**	**109370.**	**9383.0**
Stddev	4.9	51.	6.7
%RSD	.05748	.04691	.07129
#1	8529.2	109330.	9387.7
#2	8536.1	109400.	9378.3

Sample Name: 280-48716-h-2-a Acquired: 11/7/2013 22:19:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.03808**	**-.00130**	**.35401**	**.06732**	**-.00004**	**-.00109**	**23.012**	**.00023**	**.00051**
Stddev	.00073	.00071	.00205	.00032	.00014	.00004	.00193	.001	.00005	.00005
%RSD	250.43	1.8580	157.59	.09129	.20081	87.284	176.72	.00499	20.245	10.514
#1	-.00023	.03758	.00015	.35378	.06742	-.00002	-.00246	23.012	.00026	.00055
#2	.00081	.03859	-.00275	.35424	.06723	-.00007	.00027	23.011	.00020	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00032**	**2.1044**	**6.0939**	**.00217**	**13.135**	**.56206**	**.00021**	**16.119**	**.00063**
Stddev	.00006	.00015	.0048	.0534	.00098	.001	.00015	.00010	.012	.00033
%RSD	9.9350	45.808	.23001	.87653	44.995	.00757	.02631	45.553	.07710	52.137
#1	.00052	-.00043	2.1079	6.1317	.00286	13.135	.56216	.00028	16.110	.00039
#2	.00060	-.00022	2.1010	6.0562	.00148	13.134	.56195	.00014	16.127	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05133**	**-.00063**	**2.3741**	**.00175**	**-.00222**	**6.8642**	**14.689**	**.00042**	**.06125**	**.00439**
Stddev	.00069	.00043	.0006	.00094	.00105	.0372	.080	.00010	.00023	.00099
%RSD	1.3403	69.285	.02505	53.671	47.131	.54235	.54235	23.803	.37727	22.514
#1	.05085	-.00093	2.3736	.00109	-.00296	6.8906	14.746	.00035	.06142	.00369
#2	.05182	-.00032	2.3745	.00242	-.00148	6.8379	14.633	.00049	.06109	.00509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00057**	**-.04204**	**.00026**	**.00595**	**.00136**
Stddev	.00024	.00008	.03219	.00022	.00010	.00053
%RSD	26.431	14.786	76.581	83.227	1.6170	38.714
#1	.00073	.00051	-.06480	.00011	.00588	.00173
#2	.00106	.00062	-.01927	.00041	.00602	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8422.9**	**106120.**	**9221.8**
Stddev	14.5	659.	28.1
%RSD	.17244	.62089	.30423
#1	8433.1	105650.	9202.0
#2	8412.6	106580.	9241.6

Sample Name: CCVH-2357613 Acquired: 11/7/2013 22:21:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**48.953**	**.00307**	**.00563**	**.00035**	**-.00008**	W **.93304**	**.00293**	**-.00021**	**-.00097**	**-.00018**	**.00756**
Stddev	.00001	.066	.00060	.00014	.00006	.00013	.00581	.00404	.00013	.00015	.00005	.00062
%RSD	.12738	.13443	19.489	2.4428	17.376	162.31	.62301	137.77	62.673	15.051	27.706	8.2311
#1	.00465	48.907	.00349	.00553	.00040	.00001	.92893	.00008	-.00030	-.00107	-.00015	.00800
#2	.00466	49.000	.00265	.00572	.00031	-.00017	.93715	.00579	-.00011	-.00087	-.00022	.00712
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.114**	**.14547**	**.00076**	**.09220**	**.00041**	**-.00017**	**246.07**	**.00043**	**.00220**	**.00106**	**4.9568**	**.00311**
Stddev	.068	.00608	.00007	.00348	.00007	.00009	.74	.00016	.00124	.00109	.0416	.00204
%RSD	.14771	4.1819	9.5185	3.7716	17.193	50.338	.30032	37.673	56.370	102.28	.83913	65.636
#1	46.066	.14117	.00071	.08974	.00045	-.00023	245.54	.00055	.00132	.00183	4.9274	.00167
#2	46.162	.14977	.00081	.09466	.00036	-.00011	246.59	.00032	.00308	.00029	4.9863	.00456
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00002**	**-.00005**	**.00009**	**.00041**	**4.9490**	**-.00596**	**-.00033**	W **10.667**	**.00067**	**.00112**	**.02457**
Stddev	.00130	.01124	.02405	.00066	.00002	.0206	.00041	.00143	.011	.00069	.00056	.00013
%RSD	273.44	45409.	45409.	773.04	4.1438	.41702	6.8734	437.97	.10364	102.65	50.401	.51835
#1	-.00044	.00792	.01695	.00055	.00040	4.9344	-.00625	-.00134	10.659	.00116	.00072	.02466
#2	.00139	-.00797	-.01706	-.00038	.00042	4.9636	-.00567	.00068	10.675	.00018	.00152	.02448
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8168.9**	**100960.**	**9053.9**
Stddev	64.6	886.	12.8
%RSD	.79101	.87792	.14182
#1	8123.2	101590.	9063.0
#2	8214.6	100340.	9044.8

Sample Name: CCV-2357614 Acquired: 11/7/2013 22:23:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50789**	**.53657**	**.98718**	**.50642**	**.52652**	**.49295**	**.00302**	**4.9073**	**.51689**	**.51927**	**.48700**	**.52322**	**2.4026**
Stddev	.00096	.00083	.00273	.00070	.00101	.00016	.00154	.0101	.00001	.00024	.00012	.00133	.0067
%RSD	.18968	.15530	.27692	.13828	.19234	.03344	51.172	.20478	.00205	.04615	.02391	.25380	.27705
#1	.50721	.53599	.98525	.50691	.52723	.49306	.00193	4.9144	.51688	.51911	.48692	.52416	2.3978
#2	.50857	.53716	.98912	.50592	.52580	.49283	.00411	4.9002	.51689	.51944	.48708	.52228	2.4073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.977**	**.99383**	**19.239**	**.51472**	**.47694**	**5.3538**	**.49744**	**.97038**	**1.0337**	**.00725**	**1.0623**	**.99640**	**4.7325**
Stddev	.090	.00506	.011	.00031	.00108	.0035	.00036	.00154	.0041	.00413	.0040	.00526	.0194
%RSD	.18048	.50907	.05818	.05993	.22737	.06611	.07273	.15914	.39691	56.998	.38035	.52824	.40955
#1	50.041	.99740	19.247	.51494	.47618	5.3563	.49719	.96929	1.0308	.00433	1.0594	.99268	4.7463
#2	49.914	.99025	19.231	.51450	.47771	5.3513	.49770	.97147	1.0366	.01018	1.0651	1.0001	4.7188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.128**	**.96003**	**.51279**	**-.00076**	**.52540**	**1.0638**	**.01091**	**.50060**	**.48184**	**.51188**
Stddev	.041	.00216	.00193	.00011	.00094	.0043	.01377	.00025	.00087	.00216
%RSD	.40955	.22504	.37686	13.890	.17980	.40565	126.26	.05049	.18016	.42126
#1	10.157	.95851	.51415	-.00084	.52473	1.0607	.00117	.50078	.48122	.51035
#2	10.098	.96156	.51142	-.00069	.52607	1.0668	.02065	.50042	.48245	.51340
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8387.9**	**105950.**	**9305.4**
Stddev	1.9	193.	42.4
%RSD	.02222	.18214	.45591
#1	8386.6	106090.	9275.4
#2	8389.3	105810.	9335.4

Sample Name: CCB Acquired: 11/7/2013 22:25:58 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00040**	**.00292**	**.00139**	**.00011**	**-.00012**	**.00298**	**-.00413**	**-.00003**	**.00010**	**.00003**	**-.00118**
Stddev	.00002	.00003	.00002	.00008	.00004	.00006	.00041	.00059	.00006	.00025	.00006	.00003
%RSD	4.3447	8.1451	.69323	5.6277	38.460	53.590	13.831	14.199	181.85	237.99	207.10	2.1441
#1	.00047	.00043	.00293	.00133	.00014	-.00007	.00327	-.00455	.00001	-.00007	.00007	-.00120
#2	.00044	.00038	.00290	.00144	.00008	-.00016	.00269	-.00372	-.00008	.00028	-.00001	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**.10272**	**.00170**	**.00185**	**.00010**	**.00026**	W **.17163**	**.00004**	**.00055**	**.00076**	**.01157**	W **.00587**
Stddev	.00073	.03441	.00217	.00231	.00002	.00043	.01036	.00005	.00011	.00077	.00175	.00078
%RSD	22.717	33.499	127.40	124.76	17.788	169.28	6.0342	108.74	19.962	101.51	15.096	13.288
#1	.00270	.12705	.00017	.00348	.00012	-.00005	.17896	.00008	.00062	.00131	.01280	.00642
#2	.00374	.07839	.00324	.00022	.00009	.00056	.16431	.00001	.00047	.00022	.01033	.00532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00295**	**-.01608**	**-.03441**	**.00045**	**.00002**	**.00320**	**-.00037**	**-.00075**	**-.01266**	**-.00022**	**.00340**	**.00229**
Stddev	.00094	.00614	.01313	.00053	.00001	.00006	.00045	.00067	.02120	.00011	.00019	.00340
%RSD	32.036	38.176	38.176	117.47	29.865	1.8534	123.25	88.933	167.48	49.827	5.7151	148.40
#1	.00361	-.01174	-.02512	.00083	.00002	.00325	-.00005	-.00123	.00233	-.00014	.00327	-.00011
#2	.00228	-.02042	-.04369	.00008	.00003	.00316	-.00069	-.00028	-.02765	-.00030	.00354	.00469
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8339.1**	**106780.**	**9161.3**
Stddev	27.6	8.	20.7
%RSD	.33082	.00717	.22621
#1	8319.6	106790.	9175.9
#2	8358.6	106770.	9146.6

Sample Name: CCVL2363703 Acquired: 11/7/2013 22:28:16 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01118**	**.11643**	**.01645**	**.10193**	**.01087**	**.00098**	**.11975**	**.20385**	**.00527**	**.01132**	**.01021**	**.01533**	**.09919**
Stddev	.00050	.00013	.00168	.00014	.00004	.00004	.00145	.00505	.00010	.00009	.00010	.00016	.00115
%RSD	4.4971	.10986	10.246	.13262	.41229	3.7011	1.2120	2.4783	1.9768	.79813	.98016	1.0502	1.1631
#1	.01154	.11634	.01764	.10203	.01091	.00101	.11873	.20742	.00535	.01138	.01029	.01522	.09838
#2	.01083	.11652	.01525	.10184	.01084	.00095	.12078	.20027	.00520	.01126	.01014	.01544	.10001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1898**	F **.01330**	**.20903**	**.01096**	**.01900**	**1.2293**	**.04240**	**2.9019**	**.01094**	**.01083**	**.01172**	**.01800**	**.46814**
Stddev	.0486	.00289	.00223	.00009	.00016	.0118	.00032	.0022	.00116	.00032	.00225	.00250	.01934
%RSD	1.5243	21.718	1.0665	.86414	.86232	.95885	.75002	.07767	10.590	2.9132	19.212	13.897	4.1312
#1	3.2242	.01534	.20746	.01103	.01888	1.2209	.04262	2.9035	.01176	.01106	.01331	.01977	.48182
#2	3.1554	.01125	.21061	.01090	.01911	1.2376	.04217	2.9003	.01012	.01061	.01013	.01623	.45447
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0018**	**.10263**	**.01069**	**.01719**	**.01060**	**.01737**	F **.08199**	**.00999**	**.02295**	**.01657**
Stddev	.0414	.00031	.00011	.00008	.00005	.00099	.02621	.00007	.00058	.00030
%RSD	4.1312	.30372	1.0293	.44814	.46308	5.7180	31.968	.66031	2.5247	1.7872
#1	1.0311	.10285	.01062	.01714	.01063	.01667	.10052	.01003	.02254	.01678
#2	.97256	.10241	.01077	.01724	.01056	.01808	.06346	.00994	.02336	.01636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8607.2**	**109260.**	**9300.9**
Stddev	11.4	11.	45.0
%RSD	.13188	.01036	.48361
#1	8599.1	109270.	9332.7
#2	8615.2	109250.	9269.1

Sample Name: 280-48788-c-1-a Acquired: 11/7/2013 22:30:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.03320**	**.00155**	**.17778**	**.69777**	**-.00006**	**.00012**	**3.4761**	**.00005**	**-.00025**
Stddev	.00002	.00003	.00160	.00141	.00194	.00007	.00455	.0139	.00015	.00006
%RSD	12.000	.07575	103.29	.79473	.27742	119.88	3907.0	.40046	298.41	25.411
#1	.00015	.03322	.00269	.17678	.69640	-.00010	.00333	3.4859	-.00006	-.00020
#2	.00018	.03318	.00042	.17878	.69914	-.00001	-.00310	3.4662	.00016	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00052**	**.16349**	**3.3582**	**.12895**	**.72560**	**.00596**	**.00030**	W **681.78**	**.00051**
Stddev	.00004	.00022	.00102	.0741	.00060	.00488	.00002	.00009	1.47	.00025
%RSD	13.018	42.942	.62610	2.2075	.46345	.67291	.40080	29.461	.21629	48.977
#1	.00031	.00036	.16276	3.3057	.12853	.72215	.00597	.00024	680.74	.00068
#2	.00026	.00067	.16421	3.4106	.12938	.72905	.00594	.00037	682.82	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10987**	**-.00059**	**.09767**	**.00236**	**.00168**	**8.6819**	**18.579**	**-.00006**	**.72124**	**.00254**
Stddev	.00030	.00092	.00129	.00037	.00092	.0665	.142	.00049	.00211	.00088
%RSD	.27381	156.28	1.3171	15.504	54.584	.76653	.76653	883.99	.29193	34.641
#1	.10966	-.00123	.09676	.00262	.00103	8.7290	18.680	.00029	.71976	.00316
#2	.11009	.00006	.09858	.00211	.00233	8.6349	18.479	-.00040	.72273	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00086**	W **-.05711**	**.00045**	**.00325**	**.00039**
Stddev	.00010	.00131	.03466	.00021	.00059	.00108
%RSD	19.581	152.41	60.685	45.313	18.158	279.63
#1	.00056	-.00178	-.08162	.00031	.00367	-.00038
#2	.00042	.00007	-.03260	.00060	.00283	.00115
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7862.3**	**96340.**	**9178.2**
Stddev	11.6	63.	18.8
%RSD	.14814	.06527	.20434
#1	7854.0	96296.	9191.5
#2	7870.5	96385.	9165.0

Sample Name: 280-48788-c-1-b ms Acquired: 11/7/2013 22:32:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05308**	**2.0551**	**1.0235**	**1.1485**	**2.8457**	**.04998**	F **2.0477**	**52.451**	**.10957**	**.50897**
Stddev	.00085	.0034	.0006	.0006	.0009	.00010	.0047	.079	.00009	.00011
%RSD	1.5977	.16658	.06132	.04792	.03098	.20227	.22778	.15107	.08070	.02259
#1	.05368	2.0575	1.0231	1.1481	2.8464	.04991	2.0510	52.395	.10950	.50889
#2	.05248	2.0526	1.0239	1.1489	2.8451	.05005	2.0444	52.507	.10963	.50905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19662**	**.26837**	**1.1260**	**57.212**	**1.1424**	**48.336**	**.52925**	**.95357**	W **713.06**	**.48624**
Stddev	.00030	.00079	.0056	.037	.0059	.064	.00007	.00087	.01	.00032
%RSD	.15370	.29438	.50111	.06386	.51515	.13279	.01256	.09090	.00137	.06586
#1	.19640	.26892	1.1220	57.187	1.1382	48.382	.52921	.95419	713.05	.48646
#2	.19683	.26781	1.1300	57.238	1.1465	48.291	.52930	.95296	713.06	.48601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.323**	**.48648**	**.08111**	**.53028**	**2.0633**	**18.175**	**38.894**	**1.8742**	**1.7534**	**1.0640**
Stddev	.013	.00043	.00083	.00034	.0020	.140	.299	.0038	.0011	.0007
%RSD	.12571	.08869	1.0290	.06433	.09691	.76987	.76987	.20144	.06089	.06467
#1	10.314	.48678	.08170	.53052	2.0647	18.076	38.682	1.8715	1.7526	1.0645
#2	10.332	.48617	.08052	.53004	2.0619	18.274	39.105	1.8768	1.7541	1.0635
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0880**	**1.8838**	**2.2312**	**.52506**	**.50137**	**.52990**
Stddev	.0001	.0032	.0049	.00087	.00138	.00074
%RSD	.00874	.16848	.22094	.16557	.27613	.13984
#1	1.0880	1.8860	2.2277	.52567	.50235	.52938
#2	1.0879	1.8815	2.2346	.52444	.50039	.53042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7743.7**	**95249.**	**8947.7**
Stddev	4.7	484.	2.4
%RSD	.06109	.50830	.02725
#1	7740.4	94906.	8946.0
#2	7747.1	95591.	8949.4

Sample Name: 280-48788-c-1-c msd Acquired: 11/7/2013 22:35:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05305**	**2.0618**	**1.0258**	**1.1627**	**2.8638**	**.05019**	F **2.0572**	**52.453**	**.11032**	**.51026**
Stddev	.00036	.0032	.0027	.0051	.0020	.00006	.0077	.028	.00004	.00107
%RSD	.68386	.15464	.26620	.44208	.06989	.11546	.37271	.05376	.03586	.21058
#1	.05279	2.0641	1.0239	1.1591	2.8624	.05015	2.0518	52.473	.11030	.50950
#2	.05331	2.0596	1.0277	1.1663	2.8652	.05023	2.0627	52.433	.11035	.51102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19700**	**.26822**	**1.1590**	**57.537**	**1.1506**	**48.245**	**.52883**	**.95897**	W **725.72**	**.48769**
Stddev	.00043	.00075	.0016	.104	.0063	.164	.00141	.00179	1.08	.00143
%RSD	.21637	.27856	.13866	.18153	.55172	.34019	.26604	.18648	.14919	.29421
#1	.19670	.26875	1.1578	57.463	1.1461	48.361	.52982	.95770	724.96	.48668
#2	.19730	.26770	1.1601	57.611	1.1551	48.129	.52783	.96023	726.49	.48871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.404**	**.48577**	**.08470**	**.53467**	**2.0737**	**18.384**	**39.341**	**1.8831**	**1.7699**	**1.0635**
Stddev	.033	.00096	.00359	.00184	.0127	.194	.414	.0042	.0015	.0034
%RSD	.31414	.19719	4.2440	.34429	.61427	1.0527	1.0527	.22017	.08549	.32306
#1	10.380	.48510	.08724	.53337	2.0647	18.247	39.049	1.8802	1.7688	1.0660
#2	10.427	.48645	.08216	.53597	2.0827	18.521	39.634	1.8861	1.7709	1.0611
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0886**	**1.8899**	**2.2459**	**.52201**	**.49984**	**.53005**
Stddev	.0005	.0057	.0008	.00172	.00266	.00657
%RSD	.04792	.30450	.03648	.32903	.53273	1.2393
#1	1.0889	1.8859	2.2453	.52323	.50172	.52541
#2	1.0882	1.8940	2.2465	.52080	.49796	.53470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7772.3**	**95828.**	**9120.0**
Stddev	6.5	163.	49.9
%RSD	.08312	.16975	.54715
#1	7776.8	95713.	9084.7
#2	7767.7	95943.	9155.3

Sample Name: 280-48788-c-2-a Acquired: 11/7/2013 22:37:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01798**	**-.00114**	**.23763**	**.80973**	**.00002**	**-.00046**	**3.7021**	**.00005**	**-.00072**
Stddev	.00090	.00021	.00178	.00000	.00165	.00006	.00002	.0098	.00009	.00002
%RSD	571.94	1.1870	156.52	.00077	.20421	347.93	5.0465	.26474	171.77	3.0492
#1	-.00079	.01783	.00012	.23763	.80856	.00006	-.00047	3.6952	-.00001	-.00074
#2	.00048	.01813	-.00240	.23763	.81090	-.00002	-.00044	3.7090	.00011	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00166**	**.54059**	**4.1014**	**.18164**	**.93646**	**.00878**	**.00103**	W **730.34**	**.00067**
Stddev	.00009	.00023	.00706	.0405	.00071	.00083	.00012	.00002	1.69	.00011
%RSD	10.716	13.564	1.3064	.98729	.38966	.08890	1.4090	1.9024	.23145	16.652
#1	.00080	.00182	.54558	4.0728	.18214	.93587	.00887	.00105	729.14	.00075
#2	.00093	.00150	.53560	4.1300	.18114	.93705	.00869	.00102	731.53	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10430**	**.00026**	**.13124**	**.00119**	**-.00078**	**8.6056**	**18.416**	**.00038**	**.89496**	**.00037**
Stddev	.00048	.00063	.00036	.00134	.00104	.0177	.038	.00060	.00139	.00174
%RSD	.46171	237.88	.27520	112.05	132.67	.20571	.20571	155.55	.15576	469.31
#1	.10396	.00071	.13099	.00025	-.00005	8.5931	18.389	-.00004	.89397	-.00086
#2	.10464	-.00018	.13150	.00214	-.00152	8.6182	18.443	.00081	.89594	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00093**	**-.03016**	**-.00010**	**.00434**	**.00051**
Stddev	.00013	.00054	.04270	.00116	.00050	.00071
%RSD	90.422	58.773	141.56	1161.0	11.627	138.81
#1	.00023	.00054	.00003	-.00092	.00469	.00001
#2	.00005	.00131	-.06035	.00072	.00398	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7775.6**	**96429.**	**9214.6**
Stddev	16.9	129.	43.3
%RSD	.21785	.13336	.46947
#1	7787.6	96520.	9245.2
#2	7763.6	96338.	9184.0

Sample Name: 280-48788-c-3-a Acquired: 11/7/2013 22:39:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.10646**	**.00194**	**.16553**	**.66646**	**-.00004**	**-.00038**	**3.3423**	**.00002**	**-.00014**
Stddev	.00021	.00006	.00033	.00007	.00142	.00004	.00020	.0270	.00002	.00047
%RSD	36.895	.05740	16.963	.04364	.21376	109.95	52.826	.80855	105.43	339.85
#1	.00042	.10642	.00218	.16558	.66546	-.00001	-.00024	3.3232	.00001	.00019
#2	.00071	.10651	.00171	.16548	.66747	-.00007	-.00053	3.3614	.00004	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00091**	**.93379**	**3.7310**	**.15768**	**.70840**	**.01431**	**.00074**	W **615.27**	**.00057**
Stddev	.00003	.00012	.00837	.0314	.00255	.00071	.00013	.00004	.29	.00008
%RSD	2.7389	13.030	.89687	.84043	1.6148	.10021	.89758	4.7565	.04781	13.803
#1	.00119	.00099	.92787	3.7089	.15948	.70790	.01422	.00072	615.47	.00063
#2	.00114	.00082	.93971	3.7532	.15588	.70890	.01440	.00077	615.06	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06730**	**.00063**	**.08659**	**.00280**	**.00089**	**9.0666**	**19.403**	**-.00071**	**.63041**	**.00005**
Stddev	.00030	.00038	.00652	.00192	.00358	.0338	.072	.00036	.00169	.00043
%RSD	.44604	59.397	7.5312	68.500	403.57	.37308	.37308	51.391	.26763	809.98
#1	.06751	.00090	.08198	.00416	-.00164	9.0427	19.351	-.00096	.62922	-.00025
#2	.06709	.00037	.09120	.00145	.00342	9.0905	19.454	-.00045	.63161	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**-.00079**	**-.02217**	**.00020**	**.00359**	**.00077**
Stddev	.00056	.00116	.03254	.00017	.00041	.00132
%RSD	19.485	147.62	146.76	88.098	11.327	171.24
#1	.00247	.00003	.00084	.00007	.00388	.00171
#2	.00326	-.00161	-.04518	.00032	.00330	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7799.7**	**96370.**	**9221.2**
Stddev	4.7	219.	31.6
%RSD	.06022	.22728	.34221
#1	7796.4	96215.	9198.9
#2	7803.0	96525.	9243.5

Sample Name: 280-48788-c-4-a Acquired: 11/7/2013 22:42:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.01304**	**.00401**	**.30637**	**.60331**	**-.00006**	**-.00011**	**3.5734**	**.00000**	**-.00041**
Stddev	.00079	.00001	.00001	.00038	.00157	.00007	.00062	.0091	.0000	.00004
%RSD	1499.1	.10004	.33932	.12308	.26082	114.89	590.36	.25388	313.83	10.470
#1	-.00051	.01303	.00402	.30664	.60442	-.00011	.00033	3.5670	.00000	-.00044
#2	.00062	.01305	.00400	.30611	.60219	-.00001	-.00054	3.5799	-.00001	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.01641**	**.43505**	**3.6339**	**.24184**	**.71033**	**.00750**	**.00045**	W **657.47**	**.00618**
Stddev	.00002	.00045	.00202	.0218	.00195	.00224	.00001	.00032	1.41	.00030
%RSD	1.2501	2.7684	.46335	.60094	.80486	.31468	.18836	70.059	.21428	4.9062
#1	.00126	.01673	.43648	3.6494	.24322	.71191	.00751	.00023	658.47	.00640
#2	.00124	.01608	.43362	3.6185	.24047	.70875	.00749	.00067	656.47	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07227**	**-.00009**	**.06775**	**.00064**	**-.00175**	**9.0478**	**19.362**	**-.00032**	**.79922**	**-.00126**
Stddev	.00034	.00110	.00165	.00029	.00082	.0120	.026	.00033	.00154	.00102
%RSD	.46967	1174.6	2.4357	45.708	46.668	.13204	.13204	104.37	.19274	80.844
#1	.07251	-.00087	.06658	.00085	-.00233	9.0393	19.344	-.00055	.80031	-.00198
#2	.07203	.00068	.06892	.00043	-.00117	9.0562	19.380	-.00008	.79813	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00082**	**-.00021**	**-.00019**	**.00517**	**.00138**
Stddev	.00060	.00065	.06033	.00047	.00058	.00304
%RSD	137.30	79.700	29319.	243.94	11.146	219.97
#1	-.00086	.00128	.04245	-.00052	.00476	-.00077
#2	-.00001	.00036	-.04286	.00014	.00558	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7832.1**	**96642.**	**9173.0**
Stddev	33.8	387.	48.6
%RSD	.43129	.40007	.53025
#1	7808.2	96368.	9138.6
#2	7856.0	96915.	9207.4

Sample Name: 280-48752-b-1-a Acquired: 11/7/2013 22:44:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**26.786**	**.02157**	**.04029**	**.12406**	**.00077**	**-.01449**	**49.530**	**.00064**	**.00410**
Stddev	.00034	.027	.00133	.00004	.00025	.00004	.00120	.002	.00023	.00011
%RSD	82.282	.09997	6.1872	.10888	.20030	5.2077	8.2886	.00354	35.238	2.7798
#1	.00066	26.767	.02062	.04026	.12423	.00074	-.01534	49.531	.00048	.00402
#2	.00017	26.805	.02251	.04032	.12388	.00080	-.01364	49.529	.00080	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01946**	**.00821**	**13.780**	**8.9004**	**.01392**	**4.5965**	**.25530**	**.00047**	**1.5535**	**.01101**
Stddev	.00006	.00063	.004	.0393	.00014	.0003	.00003	.00001	.0489	.00020
%RSD	.32248	7.7195	.02911	.44162	.99266	.00561	.01224	1.9936	3.1490	1.7825
#1	.01941	.00776	13.777	8.8726	.01402	4.5963	.25528	.00048	1.5881	.01088
#2	.01950	.00866	13.782	8.9282	.01382	4.5966	.25533	.00047	1.5189	.01115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64557**	**.00653**	**.71865**	**-.00020**	**.00211**	W **55.813**	**119.44**	**.00091**	**.07965**	**.00782**
Stddev	.00192	.00065	.00273	.00037	.00134	.016	.03	.00040	.00041	.00150
%RSD	.29791	9.9909	.38048	183.93	63.559	.02824	.02824	43.910	.50890	19.160
#1	.64421	.00699	.72058	-.00046	.00116	55.824	119.46	.00063	.07994	.00676
#2	.64693	.00607	.71672	.00006	.00305	55.801	119.41	.00119	.07936	.00888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14813**	**-.00038**	W **-.06071**	**.05231**	**.06958**	**.00765**
Stddev	.00064	.00005	.06041	.00061	.00045	.00011
%RSD	.43249	13.177	99.501	1.1727	.64077	1.5019
#1	.14858	-.00035	-.01800	.05188	.06990	.00756
#2	.14768	-.00042	-.10343	.05275	.06927	.00773
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8546.2**	**107550.**	**9665.2**
Stddev	39.9	290.	62.2
%RSD	.46740	.26921	.64389
#1	8574.4	107340.	9709.2
#2	8517.9	107750.	9621.2

Sample Name: 280-48771-r-1-a Acquired: 11/7/2013 22:46:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.07761**	**.01350**	**2.5391**	**1.0122**	**-.00007**	**-.00504**	**189.13**	**.00059**	**.00846**
Stddev	.00043	.00016	.00053	.0073	.0013	.00012	.00137	.35	.00000	.00015
%RSD	79.653	.20061	3.9413	.28751	.12825	166.92	27.114	.18695	.14902	1.7830
#1	.00023	.07750	.01387	2.5339	1.0113	-.00015	-.00601	188.88	.00059	.00835
#2	.00084	.07772	.01312	2.5443	1.0132	.00001	-.00408	189.38	.00059	.00856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.00248**	**11.965**	W **139.47**	**.03654**	**81.656**	**1.1531**	**.00165**	W **538.00**	**.03111**
Stddev	.00004	.00016	.031	.41	.00137	.155	.0006	.00007	1.02	.00024
%RSD	.81744	6.4751	.25847	.29392	3.7375	.18923	.05658	4.3293	.18870	.77255
#1	.00523	.00260	11.943	139.18	.03751	81.765	1.1535	.00170	537.28	.03094
#2	.00517	.00237	11.987	139.76	.03558	81.546	1.1526	.00160	538.72	.03128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66193**	**.00042**	**26.464**	**.00343**	**-.00167**	**12.139**	**25.977**	**.00201**	**1.5443**	**.00140**
Stddev	.00130	.00061	.026	.00066	.00200	.019	.040	.00017	.0037	.00082
%RSD	.19661	144.00	.09899	19.248	119.47	.15389	.15389	8.3825	.23902	58.955
#1	.66101	.00085	26.445	.00390	-.00026	12.152	26.005	.00189	1.5417	.00198
#2	.66285	-.00001	26.482	.00296	-.00309	12.126	25.949	.00213	1.5469	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**-.00167**	**.00015**	**.00464**	**.01386**	**.00240**
Stddev	.00020	.00068	.00964	.00016	.00005	.00004
%RSD	4.8761	40.460	6613.4	3.3490	.37699	1.4759
#1	.00394	-.00119	-.00667	.00475	.01389	.00242
#2	.00422	-.00215	.00696	.00453	.01382	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7704.6**	**96786.**	**9258.0**
Stddev	14.6	46.	23.4
%RSD	.18941	.04737	.25295
#1	7714.9	96819.	9274.6
#2	7694.2	96754.	9241.5

Sample Name: 280-48785-d-1-a Acquired: 11/7/2013 22:49:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199434 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.42024**	**-.00025**	**.12795**	**.06648**	**-.00007**	**-.00012**	**56.408**	**.00032**	**.00091**
Stddev	.00042	.00188	.00075	.00034	.00084	.00003	.00287	.042	.00002	.00011
%RSD	79.343	.44635	302.68	.26354	1.2637	43.354	2360.0	.07428	5.6784	12.612
#1	.00082	.42157	.00028	.12818	.06708	-.00009	-.00215	56.437	.00031	.00083
#2	.00023	.41891	-.00078	.12771	.06589	-.00005	.00191	56.378	.00033	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.01448**	**.30330**	**7.0577**	**.01299**	**15.778**	**.01289**	**.04858**	**15.459**	**.00429**
Stddev	.00003	.00005	.00740	.0739	.00026	.005	.00005	.00011	.006	.00038
%RSD	2.2157	.36771	2.4404	1.0471	2.0011	.03302	.39319	.21795	.04050	8.9733
#1	.00135	.01444	.30853	7.1100	.01281	15.782	.01293	.04866	15.463	.00402
#2	.00131	.01451	.29807	7.0055	.01318	15.774	.01286	.04851	15.455	.00456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09973**	**.00174**	**31.359**	**.00160**	**-.00129**	**3.1878**	**6.8220**	**-.00005**	**.12932**	**.00243**
Stddev	.00162	.00091	.047	.00293	.00223	.0228	.0488	.00042	.00015	.00010
%RSD	1.6239	51.916	.15021	183.44	173.28	.71551	.71551	865.05	.11858	4.0114
#1	.10088	.00238	31.392	.00367	-.00286	3.2040	6.8565	-.00035	.12943	.00249
#2	.09859	.00110	31.325	-.00047	.00029	3.1717	6.7875	.00025	.12921	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.00057**	**-.01172**	**.00102**	**.01872**	**.00213**
Stddev	.00108	.00034	.01224	.00054	.00035	.00022
%RSD	9.8965	60.088	104.51	52.553	1.8451	10.263
#1	.01165	.00033	-.02037	.00064	.01848	.00197
#2	.01012	.00081	-.00306	.00140	.01897	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8343.4**	**105940.**	**9487.0**
Stddev	5.0	299.	92.8
%RSD	.06030	.28264	.97785
#1	8347.0	106160.	9421.4
#2	8339.8	105730.	9552.6

Sample Name: CCVH-2357613 Acquired: 11/7/2013 22:51:40 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**51.171**	**.00144**	**.00857**	**.00029**	**-.00006**	**.97369**	**.03573**	**-.00023**	**-.00043**	**-.00004**	**.00813**	**48.052**
Stddev	.00038	.111	.00087	.00010	.00004	.00009	.00059	.00066	.00001	.00002	.00024	.00103	.053
%RSD	11.428	.21737	60.072	1.1226	14.878	160.30	.06090	1.8582	5.0173	4.9406	569.87	12.700	.11091
#1	.00309	51.249	.00206	.00864	.00031	.00001	.97411	.03526	-.00024	-.00045	.00013	.00740	48.090
#2	.00364	51.092	.00083	.00850	.00026	-.00012	.97327	.03619	-.00022	-.00042	-.00021	.00886	48.015
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25624**	**.00294**	**.10391**	**.00079**	**-.00011**	**259.04**	**.00043**	**.00372**	**.00092**	**5.2322**	**.00325**	**.00048**	**.00919**
Stddev	.01364	.00233	.00302	.00002	.00000	.33	.00001	.00015	.00130	.0133	.00241	.00124	.00884
%RSD	5.3229	79.239	2.9090	2.4341	1.0328	.12618	1.3581	3.9230	141.46	.25484	73.944	259.02	96.177
#1	.26588	.00459	.10177	.00078	-.00011	259.27	.00044	.00383	.00184	5.2416	.00496	.00136	.00294
#2	.24659	.00129	.10605	.00081	-.00011	258.81	.00043	.00362	.00000	5.2228	.00155	-.00040	.01545
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01968**	**.00034**	**.00047**	**5.2290**	**-.00509**	**.00267**	F **11.276**	**.00166**	**.00458**	**.02110**
Stddev	.01892	.00042	.00001	.0025	.00041	.00053	.079	.00017	.00044	.00236
%RSD	96.177	122.55	2.3661	.04828	8.0592	19.794	.69736	9.9638	9.5962	11.167
#1	.00629	.00064	.00047	5.2308	-.00538	.00305	11.332	.00178	.00427	.01944
#2	.03306	.00005	.00048	5.2272	-.00480	.00230	11.221	.00154	.00489	.02277
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8120.7**	**100900.**	**9078.5**
Stddev	12.8	237.	4.7
%RSD	.15794	.23530	.05206
#1	8129.7	100730.	9081.9
#2	8111.6	101060.	9075.2

Sample Name: CCV-2357614 Acquired: 11/7/2013 22:54:02 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51419**	**.54729**	**.99479**	**.51480**	**.53572**	**.49951**	**.00274**	**4.9586**	**.52351**	**.52852**	**.49181**	**.53380**	**2.4138**
Stddev	.00182	.00158	.00040	.00124	.00155	.00051	.00174	.0081	.00069	.00115	.00221	.00186	.0162
%RSD	.35417	.28906	.03985	.24132	.28982	.10215	63.415	.16400	.13185	.21724	.44904	.34880	.67007
#1	.51291	.54841	.99451	.51392	.53682	.49915	.00397	4.9529	.52400	.52933	.49338	.53248	2.4252
#2	.51548	.54617	.99507	.51568	.53462	.49987	.00151	4.9644	.52302	.52771	.49025	.53511	2.4024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.762**	**1.0070**	**19.440**	**.52522**	**.48125**	F **5.6316**	**.50391**	**.98094**	**1.0458**	**.00387**	**1.0839**	**1.0131**	**4.7775**
Stddev	.053	.0062	.065	.00170	.00048	.0300	.00112	.00193	.0042	.00171	.0003	.0006	.0019
%RSD	.10527	.61710	.33308	.32359	.10012	.53330	.22275	.19697	.39653	44.279	.02736	.05781	.04041
#1	50.724	1.0113	19.395	.52402	.48159	5.6529	.50470	.98231	1.0487	.00266	1.0841	1.0135	4.7761
#2	50.800	1.0026	19.486	.52642	.48091	5.6104	.50312	.97957	1.0428	.00508	1.0837	1.0127	4.7789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.224**	**.96615**	**.52065**	**-.00045**	**.53663**	**1.0830**	**-.03886**	**.50889**	**.48599**	**.51791**
Stddev	.004	.00036	.00090	.00046	.00082	.0025	.01261	.00072	.00229	.00448
%RSD	.04041	.03746	.17365	101.95	.15299	.22779	32.451	.14199	.47208	.86427
#1	10.221	.96590	.52129	-.00078	.53605	1.0847	-.04778	.50940	.48436	.52108
#2	10.227	.96641	.52001	-.00013	.53721	1.0812	-.02994	.50838	.48761	.51475
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8332.4**	**104520.**	**9232.5**
Stddev	24.8	304.	7.9
%RSD	.29714	.29038	.08556
#1	8314.9	104730.	9226.9
#2	8349.9	104300.	9238.1

Sample Name: CCB Acquired: 11/7/2013 22:56:11 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00051**	**.00240**	**.00289**	**-.00006**	**.00005**	**.00037**	**-.00167**	**-.00010**	**.00013**	**.00008**
Stddev	.00013	.00005	.00142	.00078	.00004	.00002	.00004	.00316	.00004	.00010	.00011
%RSD	151.08	9.8267	59.398	27.021	60.621	39.989	11.014	188.59	38.724	81.414	132.63
#1	-.00001	.00047	.00340	.00234	-.00003	.00006	.00040	.00056	-.00013	.00005	.00016
#2	.00017	.00054	.00139	.00344	-.00008	.00003	.00034	-.00391	-.00007	.00020	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00174**	**-.00107**	**.11953**	**.00038**	**-.00067**	**.00003**	**.00020**	F **.33661**	**.00017**	**.00116**	**-.00001**
Stddev	.00003	.00031	.00899	.00152	.00282	.00003	.00011	.02952	.00017	.00141	.00189
%RSD	1.9038	28.707	7.5176	401.31	417.44	90.777	54.198	8.7710	98.396	121.81	17882.
#1	-.00177	-.00129	.12589	.00145	.00132	.00005	.00012	.35749	.00029	.00215	.00133
#2	-.00172	-.00085	.11318	-.00070	-.00267	.00001	.00028	.31573	.00005	.00016	-.00135
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00682**	W **.00432**	**-.00001**	**-.01567**	**-.03353**	**-.00030**	**.00009**	**.00445**	**-.00030**	**-.00015**	F **-.06796**
Stddev	.00085	.00009	.00061	.00503	.01076	.00056	.00002	.00064	.00001	.00001	.00708
%RSD	12.501	2.1273	8725.0	32.095	32.095	189.17	20.177	14.390	4.0254	6.0682	10.419
#1	.00622	.00425	-.00044	-.01211	-.02592	.00010	.00010	.00491	-.00030	-.00016	-.06295
#2	.00742	.00438	.00042	-.01922	-.04114	-.00070	.00008	.00400	-.00031	-.00015	-.07297
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00001**	**.00376**	**.00095**
Stddev	.00003	.00008	.00054
%RSD	180.98	2.0203	57.271
#1	.00003	.00381	.00133
#2	.00000	.00370	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8242.6**	**104980.**	**8946.3**
Stddev	32.0	44.	10.7
%RSD	.38825	.04238	.11973
#1	8220.0	105010.	8953.8
#2	8265.3	104940.	8938.7

Sample Name: CCVL2363703 Acquired: 11/7/2013 22:58:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01120**	**.11732**	**.01780**	**.10428**	**.01105**	**.00091**	**.12235**	**.20025**	**.00567**	**.01128**	**.01038**	**.01566**	**.10104**
Stddev	.00019	.00008	.00237	.00026	.00015	.00000	.00085	.00268	.00002	.00003	.00000	.00033	.00199
%RSD	1.7162	.06570	13.308	.24922	1.3571	.49085	.69691	1.3366	.33033	.22840	.02310	2.1231	1.9726
#1	.01133	.11737	.01948	.10410	.01115	.00090	.12295	.20215	.00568	.01130	.01038	.01543	.10245
#2	.01106	.11726	.01613	.10446	.01094	.00091	.12174	.19836	.00566	.01127	.01038	.01590	.09963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2413**	**.01246**	**.21309**	**.01111**	**.01893**	F **1.3807**	**.04275**	**2.9205**	**.01064**	**.00821**	**.01118**	**.01417**	**.47421**
Stddev	.0456	.00196	.00151	.00002	.00007	.0209	.00001	.0008	.00087	.00158	.00008	.00259	.00927
%RSD	1.4073	15.716	.71022	.13551	.39021	1.5132	.01960	.02723	8.2240	19.270	.73714	18.245	1.9551
#1	3.2735	.01384	.21416	.01112	.01898	1.3955	.04276	2.9199	.01002	.00933	.01112	.01234	.46766
#2	3.2090	.01107	.21202	.01110	.01888	1.3659	.04274	2.9210	.01126	.00709	.01124	.01600	.48077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0148**	**.10032**	**.01067**	**.01891**	**.01049**	**.01876**	**.06155**	**.01000**	**.02280**	**.01670**
Stddev	.0198	.00014	.00012	.00010	.00003	.00085	.00019	.00081	.00004	.00169
%RSD	1.9551	.13971	1.1481	.53049	.31035	4.5184	.31261	8.1434	.16362	10.121
#1	1.0008	.10022	.01076	.01898	.01051	.01816	.06141	.01058	.02282	.01551
#2	1.0288	.10041	.01059	.01884	.01046	.01936	.06168	.00943	.02277	.01790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8470.5**	**108020.**	**9179.2**
Stddev	1.6	270.	7.8
%RSD	.01926	.25023	.08525
#1	8471.7	108210.	9184.7
#2	8469.4	107830.	9173.6

Sample Name: mb 280-198991/1-a Acquired: 11/7/2013 23:00:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00854**	**-.00046**	**.00254**	**.00007**	**.00002**	**.00214**	**.00954**	**-.00005**	**.00015**
Stddev	.00022	.00015	.00081	.00014	.00000	.00008	.00075	.00241	.00001	.00011
%RSD	1528.7	1.7214	176.68	5.5173	3.1639	384.90	34.931	25.268	19.230	74.744
#1	-.00014	.00843	.00011	.00264	.00007	.00008	.00161	.01125	-.00005	.00007
#2	.00017	.00864	-.00103	.00244	.00007	-.00004	.00267	.00784	-.00006	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00122**	**.00610**	**.13986**	**.00311**	**.00296**	**.00017**	**.00003**	**.27460**	**.00008**
Stddev	.00001	.00013	.00021	.01408	.00032	.00082	.00002	.00023	.00408	.00002
%RSD	15.968	11.025	3.3980	10.069	10.343	27.701	11.200	664.98	1.4870	28.817
#1	.00006	-.00132	.00595	.14982	.00288	.00238	.00019	-.00013	.27749	.00009
#2	.00008	-.00113	.00625	.12990	.00334	.00354	.00016	.00020	.27171	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.00110**	**.01447**	**.00303**	**-.00076**	**-.00737**	**-.01577**	**.00047**	**.00000**	W **.00532**
Stddev	.00017	.00010	.00130	.00207	.00029	.00579	.01239	.00039	.0001	.00022
%RSD	9.0548	9.1652	8.9638	68.431	37.900	78.577	78.577	83.426	134920.	4.1152
#1	.00203	.00103	.01355	.00449	-.00097	-.01146	-.02453	.00019	-.00007	.00547
#2	.00179	.00117	.01539	.00156	-.00056	-.00327	-.00701	.00074	.00007	.00516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00500
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00161**	W **-.05010**	**-.00044**	**.00346**	**-.00154**
Stddev	.00042	.00017	.03140	.00041	.00042	.00130
%RSD	11320.	10.473	62.685	92.671	12.106	84.255
#1	-.00029	-.00149	-.02789	-.00015	.00317	-.00062
#2	.00030	-.00173	-.07230	-.00072	.00376	-.00245
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8233.0**	**104910.**	**8916.4**
Stddev	2.7	65.	39.3
%RSD	.03244	.06215	.44110
#1	8234.9	104960.	8888.6
#2	8231.1	104860.	8944.2

Sample Name: lcs 280-198991/2-a Acquired: 11/7/2013 23:03:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05227**	**2.1106**	**1.0084**	**1.0184**	**2.2127**	**.05075**	**2.1303**	**49.965**	**.11029**	**.52491**
Stddev	.00015	.0011	.0000	.0009	.0014	.00017	.0035	.091	.00028	.00080
%RSD	.28361	.05256	.00225	.08912	.06522	.33614	.16537	.18139	.25438	.15266
#1	.05217	2.1114	1.0084	1.0177	2.2117	.05063	2.1278	49.901	.11010	.52547
#2	.05238	2.1098	1.0084	1.0190	2.2137	.05087	2.1327	50.029	.11049	.52434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20179**	**.27245**	**.98316**	**52.580**	**1.0401**	**49.420**	**.53003**	**.97192**	**52.910**	**.50406**
Stddev	.00010	.00123	.00693	.074	.0007	.061	.00070	.00002	.079	.00006
%RSD	.05039	.45295	.70468	.14164	.06505	.12278	.13158	.00245	.15014	.01156
#1	.20186	.27157	.98806	52.527	1.0397	49.377	.52954	.97194	52.853	.50401
#2	.20172	.27332	.97826	52.633	1.0406	49.463	.53053	.97190	52.966	.50410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.027**	**.51494**	**-.00466**	**.53573**	**2.0457**	**9.7403**	**20.844**	**1.9409**	**1.0708**	**1.0670**
Stddev	.017	.00083	.00145	.00412	.0074	.0686	.147	.0049	.0014	.0057
%RSD	.16810	.16047	31.046	.76996	.36351	.70384	.70384	.25415	.13080	.53615
#1	10.015	.51435	-.00568	.53865	2.0405	9.6919	20.741	1.9374	1.0698	1.0630
#2	10.039	.51552	-.00363	.53281	2.0510	9.7888	20.948	1.9444	1.0718	1.0711
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0935**	**2.1010**	F **2.3146**	**.52478**	**.48944**	**.53014**
Stddev	.0019	.0004	.0220	.00121	.00095	.00607
%RSD	.17747	.02051	.95114	.23047	.19474	1.1450
#1	1.0921	2.1013	2.3302	.52564	.48876	.52585
#2	1.0948	2.1007	2.2990	.52393	.49011	.53443
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.9**	**101100.**	**8992.2**
Stddev	9.4	342.	29.3
%RSD	.11630	.33793	.32609
#1	8057.3	101340.	8971.5
#2	8070.5	100860.	9012.9

Sample Name: 280-48662-e-1-a Acquired: 11/7/2013 23:05:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.02161**	**.00056**	**.00329**	**.00050**	**-.00008**	**.00146**	**.04450**	**.00001**	**.00022**
Stddev	.00029	.00031	.00026	.00024	.00011	.00006	.00047	.00106	.00009	.00001
%RSD	87.273	1.4530	47.224	7.4274	21.721	79.117	32.092	2.3715	1591.9	2.3983
#1	.00013	.02138	.00075	.00346	.00042	-.00012	.00179	.04375	.00007	.00022
#2	.00054	.02183	.00037	.00311	.00057	-.00003	.00113	.04525	-.00006	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00129**	**.00965**	**.14669**	**.00250**	**.00961**	**.00064**	**.00043**	**.26829**	**.00005**
Stddev	.00005	.00034	.00238	.03210	.00219	.00107	.00007	.00016	.00357	.00017
%RSD	24.664	26.151	24.624	21.885	87.809	11.096	11.590	37.520	1.3307	311.93
#1	.00024	-.00105	.00797	.16939	.00405	.01036	.00070	.00054	.27081	.00017
#2	.00017	-.00153	.01133	.12399	.00095	.00885	.00059	.00031	.26576	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00220**	**.01031**	**.00045**	**.00285**	**.01256**	**.02689**	**.00116**	**.00052**	**.00572**
Stddev	.00067	.00015	.00180	.00191	.00041	.00273	.00585	.00031	.00011	.00122
%RSD	35.942	6.9875	17.442	425.10	14.369	21.760	21.760	26.527	21.303	21.260
#1	.00139	.00231	.00904	-.00090	.00256	.01450	.03102	.00094	.00060	.00486
#2	.00233	.00209	.01159	.00180	.00314	.01063	.02275	.00138	.00044	.00659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00023**	**.00430**	**.00014**	**.00387**	**.00155**
Stddev	.00017	.00011	.01095	.00004	.00015	.00058
%RSD	39.632	49.470	254.87	26.239	3.9961	37.264
#1	.00032	-.00015	.01204	.00011	.00398	.00114
#2	.00056	-.00031	-.00345	.00016	.00376	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8378.3**	**107120.**	**9120.6**
Stddev	13.3	83.	36.3
%RSD	.15822	.07726	.39849
#1	8368.9	107180.	9094.9
#2	8387.7	107070.	9146.3

Sample Name: 280-48662-e-4-a Acquired: 11/7/2013 23:07:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.05240**	**.00199**	**.52375**	**.01386**	**-.00004**	**-.00061**	**76.559**	**.00012**	**-.00029**
Stddev	.00050	.00001	.00162	.00097	.00034	.00008	.00196	.035	.00008	.00003
%RSD	157.69	.01684	81.445	.18526	2.4732	191.04	323.72	.04632	68.577	9.3080
#1	.00067	.05239	.00084	.52443	.01410	.00001	-.00200	76.584	.00018	-.00031
#2	-.00004	.05240	.00313	.52306	.01362	-.00009	.00078	76.534	.00006	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00119**	**.00884**	**1.4143**	**.11005**	**15.521**	**.00642**	**.00533**	W **527.39**	**.00057**
Stddev	.00003	.00013	.00386	.1044	.00073	.017	.00006	.00015	.48	.00053
%RSD	4.1104	10.589	43.675	7.3845	.66119	.10879	.93852	2.8836	.09120	92.497
#1	.00066	.00128	.01157	1.3405	.10954	15.533	.00647	.00544	527.05	.00020
#2	.00062	.00110	.00611	1.4882	.11057	15.509	.00638	.00522	527.73	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04051**	**-.00054**	F **258.05**	**.00222**	**.00818**	**3.5537**	**7.6049**	**.00075**	**4.8824**	**.00074**
Stddev	.00031	.00192	.11	.00021	.00225	.0096	.0206	.00010	.0400	.00120
%RSD	.77749	355.93	.04273	9.6736	27.510	.27107	.27107	13.818	.81980	162.51
#1	.04073	.00082	258.13	.00207	.00977	3.5605	7.6195	.00068	4.9107	-.00011
#2	.04029	-.00190	257.98	.00237	.00659	3.5469	7.5903	.00082	4.8541	.00159
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00033**	**.01300**	**.00719**	**.01492**	**.00105**
Stddev	.00001	.00143	.01132	.00047	.00058	.00106
%RSD	2.4539	431.64	87.047	6.5847	3.9072	100.67
#1	.00037	-.00068	.02101	.00752	.01451	.00180
#2	.00036	.00134	.00500	.00685	.01533	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7778.1**	**95968.**	**9015.6**
Stddev	27.8	446.	10.0
%RSD	.35732	.46499	.11140
#1	7758.4	95652.	9008.5
#2	7797.7	96283.	9022.7

Sample Name: 280-48662-e-4-aSD@5 Acquired: 11/7/2013 23:10:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.01571**	**-.00076**	**.10868**	**.00297**	**-.00005**	**.00122**	**15.466**	**-.00008**	**.00005**
Stddev	.00010	.00008	.00242	.00068	.00006	.00007	.00153	.031	.00002	.00016
%RSD	18.048	.49323	315.99	.62407	1.9363	134.09	124.79	.20035	29.134	352.73
#1	.00062	.01576	.00094	.10916	.00302	.00000	.00014	15.444	-.00006	.00016
#2	.00048	.01565	-.00247	.10821	.00293	-.00010	.00230	15.488	-.00010	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00063**	**.02078**	**.47947**	**.02406**	**3.1830**	**.00154**	**.00106**	**106.70**	**.00020**
Stddev	.00002	.00014	.00005	.00386	.00187	.0104	.00003	.00024	.38	.00030
%RSD	9.5753	22.585	.24481	.80457	7.7826	.32524	1.7656	23.131	.35829	152.76
#1	.00023	-.00073	.02075	.48220	.02538	3.1903	.00152	.00089	106.43	.00041
#2	.00020	-.00053	.02082	.47674	.02273	3.1757	.00156	.00123	106.97	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00724**	**.00088**	**50.826**	**.00181**	**-.00171**	**.69413**	**1.4854**	**.00305**	**.99425**	**.00403**
Stddev	.00160	.00153	.052	.00148	.00148	.00133	.0028	.00083	.00142	.00054
%RSD	22.121	174.25	.10239	81.995	86.722	.19117	.19117	27.050	.14284	13.508
#1	.00837	-.00020	50.789	.00076	-.00066	.69319	1.4834	.00363	.99325	.00441
#2	.00611	.00196	50.863	.00286	-.00275	.69506	1.4874	.00247	.99526	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00188**	**-.04422**	**.00134**	**.00866**	**.00080**
Stddev	.00020	.00023	.03880	.00015	.00017	.00007
%RSD	214.17	11.986	87.737	10.969	1.9418	8.5913
#1	.00005	.00172	-.01679	.00145	.00854	.00085
#2	-.00024	.00204	-.07166	.00124	.00878	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8113.7**	**101860.**	**8973.0**
Stddev	12.1	420.	19.9
%RSD	.14857	.41195	.22186
#1	8105.2	101560.	8987.1
#2	8122.2	102160.	8958.9

Sample Name: 280-48662-e-4-b ms Acquired: 11/7/2013 23:12:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05290**	**2.0641**	**1.0375**	**1.5002**	**2.2208**	**.05049**	F **2.0811**	**125.35**	**.11091**	**.52043**
Stddev	.00022	.0061	.0077	.0038	.0045	.00007	.0023	.29	.00019	.00081
%RSD	.42090	.29574	.74065	.25485	.20031	.13386	.10917	.22995	.17302	.15530
#1	.05306	2.0598	1.0321	1.4975	2.2239	.05054	2.0795	125.56	.11077	.51986
#2	.05274	2.0684	1.0430	1.5029	2.2176	.05044	2.0827	125.15	.11105	.52100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19856**	**.27388**	**1.0046**	**55.893**	**1.1484**	**63.626**	**.53737**	**.97586**	W **575.29**	**.49493**
Stddev	.00068	.00006	.0072	.142	.0010	.076	.00089	.00187	1.19	.00164
%RSD	.34320	.02118	.72025	.25323	.08369	.11958	.16623	.19138	.20710	.33069
#1	.19808	.27384	1.0097	55.993	1.1477	63.572	.53674	.97454	576.13	.49377
#2	.19904	.27392	.99947	55.792	1.1491	63.680	.53800	.97718	574.44	.49609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.498**	**.49015**	F **256.69**	**.53667**	**2.0780**	**13.408**	**28.693**	**1.8944**	W **5.9575**	**1.0796**
Stddev	.015	.00241	.00	.00193	.0040	.073	.156	.0002	.0999	.0017
%RSD	.14559	.49189	.00148	.35913	.19311	.54494	.54494	.00864	1.6766	.15987
#1	10.487	.48845	256.69	.53803	2.0809	13.356	28.582	1.8945	6.0281	1.0784
#2	10.509	.49186	256.70	.53531	2.0752	13.459	28.803	1.8943	5.8869	1.0808
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1071**	**1.9038**	**2.2932**	**.54034**	**.51013**	**.53269**
Stddev	.0016	.0007	.0412	.00131	.00229	.00087
%RSD	.14427	.03484	1.7950	.24218	.44987	.16338
#1	1.1060	1.9043	2.2641	.53942	.50851	.53207
#2	1.1083	1.9033	2.3223	.54127	.51175	.53330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7648.1**	**94411.**	**8817.9**
Stddev	33.1	42.	19.7
%RSD	.43214	.04451	.22314
#1	7671.5	94441.	8831.8
#2	7624.7	94382.	8804.0

Sample Name: 280-48662-e-4-c msd Acquired: 11/7/2013 23:14:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05167**	**2.0397**	**1.0167**	**1.4897**	**2.1994**	**.04989**	F **2.0407**	**124.95**	**.10909**	**.51328**
Stddev	.00004	.0023	.0041	.0024	.0033	.00009	.0043	.39	.00040	.00079
%RSD	.08252	.11095	.40743	.16445	.14894	.18542	.20922	.31361	.36832	.15318
#1	.05164	2.0413	1.0197	1.4879	2.2018	.04996	2.0377	125.22	.10937	.51384
#2	.05170	2.0381	1.0138	1.4914	2.1971	.04983	2.0438	124.67	.10880	.51273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19610**	**.26995**	**.97647**	**55.505**	**1.1412**	**63.229**	**.53166**	**.96657**	W **577.01**	**.48831**
Stddev	.00039	.00097	.00255	.012	.0012	.016	.00025	.00073	1.09	.00166
%RSD	.20131	.36067	.26160	.02165	.10306	.02594	.04787	.07505	.18846	.34059
#1	.19638	.26926	.97467	55.514	1.1404	63.218	.53148	.96606	577.78	.48949
#2	.19583	.27064	.97828	55.497	1.1420	63.241	.53184	.96708	576.24	.48713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.358**	**.48624**	F **255.91**	**.53418**	**2.0448**	**13.350**	**28.569**	**1.8783**	W **5.9384**	**1.0708**
Stddev	.007	.00051	.22	.00129	.0005	.048	.103	.0039	.0013	.0026
%RSD	.07216	.10579	.08434	.24184	.02301	.36159	.36159	.20875	.02260	.24295
#1	10.352	.48660	256.06	.53509	2.0451	13.316	28.495	1.8810	5.9393	1.0726
#2	10.363	.48587	255.75	.53327	2.0445	13.384	28.642	1.8755	5.9374	1.0689
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0994**	**1.8811**	**2.2755**	**.53422**	**.50635**	**.52685**
Stddev	.0016	.0018	.0155	.00185	.00107	.00375
%RSD	.14864	.09796	.68306	.34601	.21141	.71248
#1	1.1006	1.8824	2.2865	.53291	.50559	.52420
#2	1.0983	1.8798	2.2645	.53552	.50711	.52951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7638.0**	**93892.**	**8876.6**
Stddev	12.1	374.	9.3
%RSD	.15841	.39839	.10442
#1	7629.4	93627.	8883.1
#2	7646.5	94156.	8870.0

Sample Name: 280-48662-e-4-aPDS Acquired: 11/7/2013 23:16:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05076**	**1.0194**	**.19938**	**.60481**	**.11799**	**.04804**	**-.00093**	**93.520**	**.05155**	**.04961**
Stddev	.00029	.0003	.00018	.00120	.00043	.00002	.00244	.201	.00006	.00007
%RSD	.57702	.03279	.08874	.19891	.36341	.04914	263.24	.21517	.11579	.14907
#1	.05055	1.0192	.19951	.60396	.11769	.04802	.00080	93.377	.05151	.04966
#2	.05096	1.0196	.19926	.60566	.11830	.04806	-.00265	93.662	.05160	.04955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04772**	**.05251**	**.95079**	**22.376**	**.20592**	**33.493**	**.05730**	**.05204**	W **535.44**	**.04820**
Stddev	.00010	.00058	.00257	.011	.00205	.048	.00018	.00024	.56	.00006
%RSD	.21268	1.1121	.27022	.04765	.99715	.14222	.31547	.45638	.10530	.11527
#1	.04779	.05293	.94897	22.384	.20447	33.459	.05717	.05187	535.84	.04824
#2	.04765	.05210	.95260	22.369	.20737	33.526	.05742	.05221	535.04	.04816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0632**	**.09348**	F **251.25**	**.10779**	**.20338**	**8.1396**	**17.419**	**.09166**	**4.8806**	**.20951**
Stddev	.0005	.00091	.41	.00106	.00145	.0291	.062	.00091	.0144	.00094
%RSD	.02401	.97169	.16194	.98334	.71418	.35706	.35706	.99641	.29458	.44971
#1	2.0636	.09413	250.96	.10704	.20236	8.1191	17.375	.09102	4.8908	.20885
#2	2.0629	.09284	251.54	.10854	.20441	8.1602	17.463	.09231	4.8704	.21018
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05315**	**.18459**	**.53567**	**.05842**	**.21079**	**.05131**
Stddev	.00027	.00176	.05028	.00024	.00032	.00096
%RSD	.50296	.95334	9.3862	.41851	.15251	1.8662
#1	.05296	.18334	.57123	.05859	.21102	.05063
#2	.05334	.18583	.50012	.05825	.21056	.05198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7724.8**	**94926.**	**8880.5**
Stddev	12.5	251.	19.2
%RSD	.16141	.26404	.21652
#1	7716.0	95104.	8866.9
#2	7733.6	94749.	8894.1

Sample Name: CCVH-2357613 Acquired: 11/7/2013 23:19:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**50.697**	**.00326**	**.00880**	**.00043**	**-.00006**	**.96819**	**.03281**	**-.00031**	**-.00057**	**.00006**	**.00718**	**47.299**
Stddev	.00017	.081	.00044	.00020	.00001	.00007	.00256	.00160	.00009	.00013	.00009	.00014	.313
%RSD	4.5220	.15893	13.415	2.3048	3.1295	106.22	.26458	4.8892	29.918	22.399	143.01	1.9594	.66095
#1	.00355	50.754	.00295	.00895	.00042	-.00002	.97001	.03395	-.00025	-.00066	.00000	.00728	47.078
#2	.00379	50.641	.00357	.00866	.00044	-.00011	.96638	.03168	-.00038	-.00048	.00013	.00708	47.520
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32781**	**.00448**	**.10170**	**.00044**	**-.00013**	**256.88**	**.00043**	**.00171**	**.00105**	**5.2025**	**.00237**	**-.00079**	**-.00629**
Stddev	.03274	.00063	.00120	.00008	.00026	1.23	.00012	.00159	.00015	.0038	.00044	.00019	.00473
%RSD	9.9876	14.045	1.1771	18.326	196.76	.47739	26.850	92.677	13.941	.07336	18.681	24.482	75.168
#1	.35096	.00492	.10255	.00039	-.00032	257.74	.00035	.00059	.00116	5.1998	.00206	-.00065	-.00295
#2	.30466	.00403	.10086	.00050	.00005	256.01	.00051	.00283	.00095	5.2052	.00268	-.00092	-.00964
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01347**	**.00022**	**.00061**	**5.1930**	**-.00566**	**.00114**	F **11.265**	**.00085**	**.00358**	**.01891**
Stddev	.01012	.00041	.00008	.0043	.00046	.00000	.022	.00050	.00004	.00184
%RSD	75.168	183.79	12.909	.08224	8.0599	.08968	.19516	58.942	1.0814	9.7197
#1	-.00631	-.00007	.00067	5.1900	-.00534	.00114	11.249	.00050	.00361	.02021
#2	-.02062	.00051	.00056	5.1960	-.00598	.00114	11.280	.00120	.00355	.01761
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7984.0**	**99438.**	**8916.2**
Stddev	55.5	577.	5.1
%RSD	.69548	.58020	.05776
#1	8023.2	99030.	8919.9
#2	7944.7	99846.	8912.6

Sample Name: CCV-2357614 Acquired: 11/7/2013 23:21:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51900**	F **.55557**	**1.0006**	**.51852**	**.54619**	**.50670**	**.00236**	**5.0493**	**.52958**	**.53397**	**.49737**	**.53600**	**2.4688**
Stddev	.00170	.00015	.0006	.00027	.00086	.00024	.00010	.0015	.00132	.00002	.00149	.00095	.0247
%RSD	.32683	.02647	.06174	.05227	.15743	.04771	4.0711	.02918	.24873	.00441	.29925	.17663	1.0001
#1	.52020	.55546	1.0010	.51872	.54558	.50687	.00243	5.0504	.53051	.53395	.49843	.53667	2.4513
#2	.51780	.55567	1.0001	.51833	.54679	.50653	.00229	5.0483	.52865	.53398	.49632	.53533	2.4862
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.822**	**1.0325**	**19.741**	**.53118**	**.48694**	F **5.8413**	**.50873**	**.98953**	**1.0598**	**.04395**	**1.0932**	**1.0166**	**4.8257**
Stddev	.010	.0007	.015	.00031	.00071	.0043	.00099	.00050	.0012	.00013	.0040	.0041	.0336
%RSD	.01905	.06612	.07474	.05820	.14614	.07395	.19505	.05023	.10907	.29016	.36989	.40403	.69725
#1	51.829	1.0320	19.752	.53096	.48644	5.8443	.50943	.98988	1.0590	.04386	1.0903	1.0137	4.8019
#2	51.815	1.0329	19.731	.53139	.48745	5.8382	.50803	.98918	1.0606	.04404	1.0960	1.0195	4.8495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.327**	**.98073**	**.53047**	**-.00119**	**.54235**	**1.0932**	**-.05470**	**.51415**	**.49317**	**.52941**
Stddev	.072	.00040	.00016	.00199	.00078	.0045	.05672	.00157	.00084	.00569
%RSD	.69725	.04060	.03095	167.42	.14393	.40840	103.69	.30470	.16943	1.0753
#1	10.276	.98045	.53035	-.00259	.54180	1.0901	-.01460	.51526	.49258	.52538
#2	10.378	.98101	.53058	.00022	.54291	1.0964	-.09481	.51304	.49377	.53343
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8183.1**	**102340.**	**8837.0**
Stddev	18.6	903.	15.0
%RSD	.22772	.88199	.16935
#1	8196.3	102980.	8826.4
#2	8169.9	101700.	8847.6

Sample Name: CCB Acquired: 11/7/2013 23:23:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00091**	**.00131**	**.00350**	**.00020**	**.00003**	**.00314**	**-.00283**	**.00010**	**.00002**	**-.00002**	**-.00121**
Stddev	.00042	.00012	.00249	.00023	.00033	.00009	.00068	.00077	.00003	.00012	.00011	.00019
%RSD	212.56	12.768	190.33	6.4742	163.20	316.77	21.807	27.344	25.563	559.97	708.27	15.676
#1	-.00010	.00083	-.00045	.00366	.00043	-.00003	.00266	-.00228	.00008	-.00006	.00006	-.00135
#2	.00050	.00099	.00307	.00334	-.00003	.00009	.00362	-.00338	.00012	.00011	-.00010	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.14767**	**.00051**	**-.00075**	**.00006**	**.00012**	F **.37225**	**-.00009**	**.00092**	**.00044**	**.03723**	W **.00499**
Stddev	.00268	.05980	.00177	.00167	.00003	.00025	.00005	.00033	.00007	.00040	.00273	.00045
%RSD	505.05	40.494	349.43	223.49	48.523	204.73	.01324	360.42	8.0641	91.122	7.3234	8.9153
#1	-.00243	.10539	.00175	-.00193	.00008	-.00005	.37222	.00014	.00087	.00016	.03916	.00468
#2	.00137	.18995	-.00074	.00043	.00004	.00030	.37229	-.00032	.00097	.00073	.03531	.00531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**-.01237**	**-.02646**	**.00041**	**.00000**	**.00213**	**-.00007**	**-.00023**	**-.03682**	**-.00036**	**.00378**	**.00061**
Stddev	.00233	.01315	.02814	.00022	.00009	.00098	.00029	.00013	.01038	.00002	.00049	.00020
%RSD	342.72	106.32	106.32	54.040	2329.8	46.116	405.49	55.229	28.188	6.0595	12.961	32.490
#1	-.00232	-.02166	-.04636	.00057	.00006	.00283	.00014	-.00032	-.02948	-.00034	.00344	.00047
#2	.00097	-.00307	-.00657	.00026	-.00006	.00144	-.00028	-.00014	-.04416	-.00037	.00413	.00075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8144.8**	**103570.**	**8820.6**
Stddev	7.5	181.	134.6
%RSD	.09194	.17515	1.5253
#1	8139.5	103690.	8725.5
#2	8150.1	103440.	8915.8

Sample Name: CCVL-2363703 Acquired: 11/7/2013 23:26:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01082**	**.12012**	**.01610**	**.10551**	**.01141**	**.00098**	**.12445**	**.20717**	**.00543**	**.01153**	**.01037**	**.01544**	**.10344**
Stddev	.00029	.00040	.00130	.00010	.00028	.00005	.00173	.00076	.00011	.00008	.00008	.00056	.00297
%RSD	2.7233	.33083	8.1020	.09324	2.4336	5.6301	1.3917	.36858	2.0199	.71823	.77536	3.5959	2.8696
#1	.01102	.12040	.01702	.10544	.01121	.00094	.12568	.20770	.00535	.01159	.01031	.01583	.10134
#2	.01061	.11984	.01517	.10558	.01161	.00102	.12323	.20663	.00551	.01147	.01043	.01505	.10553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2749**	F **.01342**	**.21639**	**.01124**	**.01934**	F **1.4262**	**.04343**	**2.9372**	**.01019**	**.02302**	**.01143**	**.01765**	**.46394**
Stddev	.0074	.00262	.00084	.00002	.00001	.0002	.00013	.0092	.00194	.00152	.00036	.00208	.00972
%RSD	.22547	19.501	.38655	.13984	.03741	.01383	.29568	.31502	19.005	6.6058	3.1425	11.784	2.0955
#1	3.2801	.01157	.21698	.01123	.01935	1.4261	.04352	2.9438	.00882	.02410	.01168	.01618	.47081
#2	3.2697	.01527	.21580	.01125	.01934	1.4264	.04334	2.9307	.01155	.02195	.01118	.01912	.45706
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99283**	**.10189**	**.01096**	**.01800**	**.01086**	**.01841**	F **.08130**	**.01013**	**.02318**	**.01616**
Stddev	.02080	.00026	.00008	.00027	.00005	.00062	.03491	.00039	.00033	.00091
%RSD	2.0955	.25075	.75227	1.5059	.44707	3.3423	42.944	3.8312	1.4034	5.6303
#1	1.0075	.10207	.01102	.01781	.01090	.01798	.05661	.00986	.02341	.01552
#2	.97812	.10171	.01090	.01819	.01083	.01885	.10599	.01040	.02295	.01680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8372.3**	**105230.**	**9015.8**
Stddev	5.5	26.	9.4
%RSD	.06519	.02478	.10383
#1	8376.2	105210.	9022.4
#2	8368.5	105250.	9009.2

Sample Name: 280-48662-e-5-a Acquired: 11/7/2013 23:28:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.02793**	**.00278**	**.52560**	**.01363**	**-.00003**	**-.00050**	**76.346**	**.00018**	**-.00015**
Stddev	.00033	.00010	.00150	.00204	.00036	.00003	.00251	.104	.00031	.00014
%RSD	90.341	.36109	53.761	.38799	2.6773	88.695	497.12	.13562	178.18	92.734
#1	.00059	.02786	.00384	.52416	.01389	-.00005	-.00228	76.273	-.00005	-.00025
#2	.00013	.02800	.00172	.52705	.01337	-.00001	.00127	76.420	.00040	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00090**	**.01390**	**1.4925**	**.11125**	**15.493**	**.00681**	**.00509**	W **529.49**	**.00064**
Stddev	.00003	.00017	.00013	.0359	.00198	.013	.00005	.00015	1.30	.00010
%RSD	5.0083	19.325	.90203	2.4043	1.7755	.08109	.69164	2.9791	.24586	15.904
#1	.00062	.00078	.01381	1.4671	.10986	15.502	.00678	.00499	528.57	.00071
#2	.00066	.00103	.01399	1.5179	.11265	15.484	.00685	.00520	530.41	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03817**	**.00103**	F **257.61**	**.00226**	**.00850**	**3.5746**	**7.6496**	**.00013**	**4.9290**	**.00303**
Stddev	.00071	.00031	.17	.00036	.00126	.0101	.0216	.00006	.0534	.00006
%RSD	1.8534	30.222	.06576	16.056	14.875	.28234	.28234	49.941	1.0830	2.1245
#1	.03767	.00081	257.49	.00201	.00761	3.5674	7.6343	.00017	4.9668	.00298
#2	.03867	.00124	257.73	.00252	.00940	3.5817	7.6648	.00008	4.8913	.00308
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00013**	**-.02070**	**.00735**	**.01583**	**.00155**
Stddev	.00034	.00102	.05267	.00026	.00015	.00227
%RSD	121.65	785.45	254.38	3.5137	.95177	146.48
#1	.00004	-.00085	.01654	.00753	.01573	-.00006
#2	.00051	.00059	-.05794	.00716	.01594	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7732.4**	**94928.**	**8871.5**
Stddev	32.3	151.	18.0
%RSD	.41719	.15945	.20318
#1	7709.6	94821.	8884.2
#2	7755.2	95035.	8858.7

Sample Name: 280-48662-e-6-a Acquired: 11/7/2013 23:31:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.29272**	**.00212**	**1.4089**	**.01236**	**-.00008**	**-.00073**	**5.6291**	**-.00011**	**-.00016**
Stddev	.00057	.00345	.00231	.0056	.00008	.00010	.00012	.0045	.00017	.00006
%RSD	195.59	1.1771	108.69	.39660	.66429	123.40	16.073	.07998	163.56	39.597
#1	-.00011	.29516	.00376	1.4129	.01242	-.00015	-.00082	5.6323	.00002	-.00020
#2	.00069	.29029	.00049	1.4050	.01231	-.00001	-.00065	5.6260	-.00023	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00120**	**.12273**	**1.2292**	**.29210**	**.65482**	**.01502**	**.02090**	W **534.12**	**.00272**
Stddev	.00000	.00037	.00387	.0370	.00194	.00604	.00005	.00006	.63	.00003
%RSD	.53856	30.936	3.1548	3.0088	.66562	.92186	.36078	.31026	.11719	1.0780
#1	.00085	.00093	.12547	1.2031	.29347	.65055	.01506	.02085	534.56	.00274
#2	.00084	.00146	.11999	1.2554	.29072	.65909	.01498	.02094	533.68	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01405**	**.00071**	F **209.56**	**.00175**	**.00091**	**4.1117**	**8.7989**	**.00038**	**1.1447**	**.00248**
Stddev	.00018	.00100	.05	.00132	.00381	.0200	.0429	.00020	.0004	.00069
%RSD	1.2979	141.24	.02366	75.072	419.79	.48753	.48753	51.908	.03475	27.924
#1	.01418	.00000	209.59	.00268	.00360	4.1258	8.8293	.00024	1.1444	.00297
#2	.01392	.00141	209.52	.00082	-.00179	4.0975	8.7686	.00052	1.1450	.00199
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**-.00081**	**-.03545**	**.00444**	**.03191**	**.00013**
Stddev	.00026	.00119	.00051	.00005	.00063	.00043
%RSD	3.4768	146.79	1.4290	1.2144	1.9586	344.68
#1	.00779	-.00165	-.03509	.00440	.03147	.00043
#2	.00741	.00003	-.03581	.00448	.03235	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7842.2**	**97108.**	**9066.7**
Stddev	4.6	288.	22.2
%RSD	.05815	.29621	.24477
#1	7845.5	97311.	9082.4
#2	7839.0	96904.	9051.0

Sample Name: 280-48662-e-7-a Acquired: 11/7/2013 23:33:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.01649**	**.00171**	**1.6661**	**.02329**	**-.00003**	**.00152**	**10.101**	**.00014**	**-.00049**
Stddev	.00002	.00012	.00068	.0011	.00000	.00004	.00065	.041	.00004	.00009
%RSD	232.78	.73798	39.602	.06648	.00654	110.57	42.633	.41024	30.822	18.664
#1	-.00001	.01640	.00123	1.6653	.02329	-.00001	.00198	10.072	.00011	-.00056
#2	.00003	.01657	.00219	1.6669	.02329	-.00006	.00106	10.131	.00018	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00016**	**.08896**	**1.5885**	**.38071**	**1.3173**	**.09352**	**.01469**	W **701.57**	**.00046**
Stddev	.00012	.00016	.00031	.0653	.00131	.0031	.00006	.00017	4.06	.00002
%RSD	139.08	100.24	.35288	4.1093	.34459	.23392	.06947	1.1788	.57832	4.5551
#1	.00000	.00005	.08918	1.5423	.38164	1.3195	.09348	.01456	698.70	.00048
#2	.00017	.00027	.08874	1.6346	.37978	1.3152	.09357	.01481	704.44	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13803**	**.00123**	F **313.39**	**.00199**	**-.00095**	**4.5473**	**9.7311**	**-.00010**	**1.2978**	**.00333**
Stddev	.00080	.00046	.57	.00150	.00052	.0582	.1246	.00003	.0054	.00034
%RSD	.58130	37.472	.18061	75.220	54.350	1.2800	1.2800	34.366	.41873	10.252
#1	.13860	.00156	312.99	.00093	-.00059	4.5061	9.6431	-.00012	1.2940	.00358
#2	.13746	.00091	313.79	.00306	-.00132	4.5884	9.8192	-.00007	1.3017	.00309
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.00026**	**-.04819**	**.00105**	**.00438**	**.00013**
Stddev	.00034	.00164	.00389	.00037	.00030	.00006
%RSD	96.135	628.36	8.0732	34.752	6.8993	47.519
#1	-.00011	-.00142	-.04544	.00131	.00417	.00017
#2	-.00060	.00090	-.05094	.00079	.00460	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7700.5**	**95852.**	**9074.3**
Stddev	23.2	106.	62.7
%RSD	.30137	.11018	.69138
#1	7716.9	95927.	9118.7
#2	7684.1	95777.	9030.0

Sample Name: 280-48662-e-8-a Acquired: 11/7/2013 23:35:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.40869**	**.00248**	**1.8112**	**.01633**	**.00004**	**-.00136**	**6.2135**	**-.00018**	**-.00048**
Stddev	.00002	.00206	.00186	.0028	.00020	.00007	.00032	.0100	.00021	.00045
%RSD	9.6366	.50416	75.227	.15259	1.2536	156.11	23.594	.16026	117.06	93.425
#1	.00024	.40724	.00116	1.8093	.01647	.00009	-.00158	6.2064	-.00032	-.00016
#2	.00021	.41015	.00379	1.8132	.01618	.00000	-.00113	6.2205	-.00003	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00154**	**.16222**	**4.5023**	**.33702**	**.87216**	**.00653**	**.02406**	W **661.09**	**.00072**
Stddev	.00021	.00003	.00342	.0872	.00029	.00179	.00006	.00004	1.62	.00013
%RSD	19.122	1.6760	2.1099	1.9372	.08660	.20477	.92763	.16653	.24473	17.647
#1	.00094	.00152	.16464	4.4406	.33723	.87090	.00649	.02403	659.95	.00081
#2	.00123	.00156	.15980	4.5640	.33682	.87342	.00657	.02409	662.23	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02093**	**.00037**	F **332.61**	**.00054**	**.00300**	**16.412**	**35.122**	**.00282**	**2.3490**	**.00150**
Stddev	.00296	.00065	.77	.00045	.00105	.073	.157	.00047	.0084	.00054
%RSD	14.132	177.26	.23026	84.182	34.976	.44664	.44664	16.813	.35640	36.181
#1	.01884	-.00009	332.07	.00022	.00375	16.464	35.232	.00249	2.3431	.00188
#2	.02303	.00083	333.15	.00086	.00226	16.360	35.011	.00316	2.3549	.00112
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00860**	**-.00019**	**-.00222**	**.01583**	**.00678**	**-.00003**
Stddev	.00016	.00043	.00716	.00021	.00018	.00134
%RSD	1.8955	223.60	322.39	1.3555	2.6695	5090.5
#1	.00848	-.00049	.00284	.01567	.00690	.00092
#2	.00871	.00011	-.00728	.01598	.00665	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7786.7**	**95224.**	**8863.4**
Stddev	4.3	157.	4.1
%RSD	.05537	.16484	.04616
#1	7783.6	95335.	8866.2
#2	7789.7	95113.	8860.5

Sample Name: 280-48662-e-9-a Acquired: 11/7/2013 23:38:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.91718**	**.00089**	**1.7206**	**.01014**	**-.00004**	**-.00227**	**9.9157**	**-.00002**	**-.00048**
Stddev	.00001	.01271	.00001	.0036	.00023	.00005	.00012	.0040	.00010	.00024
%RSD	1.0046	1.3861	1.1740	.21011	2.2695	113.97	5.2700	.04026	428.28	49.641
#1	.00143	.92617	.00088	1.7180	.01030	-.00001	-.00235	9.9185	-.00010	-.00031
#2	.00141	.90819	.00089	1.7231	.00998	-.00008	-.00218	9.9129	.00005	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00065**	**.42079**	**1.7303**	**.38848**	**1.1880**	**.03901**	**.01676**	W **691.31**	**.00126**
Stddev	.00005	.00035	.00269	.0738	.00359	.0021	.00009	.00017	2.35	.00027
%RSD	5.9834	53.485	.63875	4.2663	.92483	.17310	.24157	1.0398	.33933	21.237
#1	.00087	.00090	.41889	1.6781	.38594	1.1866	.03894	.01663	689.65	.00107
#2	.00080	.00041	.42269	1.7825	.39102	1.1895	.03907	.01688	692.97	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01433**	**.00067**	F **305.89**	**.00031**	**.00028**	**5.3182**	**11.381**	**.00055**	**3.9076**	**.00056**
Stddev	.00072	.00016	.15	.00083	.00154	.0431	.092	.00040	.0071	.00091
%RSD	4.9935	23.796	.05027	269.26	546.05	.80969	.80969	72.579	.18257	162.66
#1	.01483	.00078	305.78	-.00028	-.00081	5.2878	11.316	.00027	3.9026	.00120
#2	.01382	.00055	306.00	.00090	.00137	5.3487	11.446	.00083	3.9127	-.00008
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00977**	**.00072**	**.02206**	**.00346**	**.00680**	**.00274**
Stddev	.00355	.00041	.01715	.00025	.00030	.00123
%RSD	36.389	56.337	77.734	7.1347	4.4799	44.798
#1	.00726	.00043	.00994	.00364	.00658	.00187
#2	.01228	.00101	.03419	.00329	.00701	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7725.1**	**95457.**	**8903.6**
Stddev	4.1	308.	12.6
%RSD	.05294	.32243	.14106
#1	7722.2	95239.	8894.7
#2	7728.0	95675.	8912.5

Sample Name: 280-48662-e-11-a Acquired: 11/7/2013 23:40:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**2.1182**	**-.00003**	**1.4045**	**.03310**	**.00001**	**-.00125**	**4.2404**	**-.00009**	**.00040**
Stddev	.00010	.0007	.00172	.0020	.00014	.00009	.00011	.0034	.00020	.00036
%RSD	7.1407	.03136	5540.0	.14413	.41210	1483.8	8.8619	.08085	210.29	88.989
#1	.00142	2.1177	-.00125	1.4030	.03300	.00007	-.00118	4.2380	-.00023	.00015
#2	.00128	2.1187	.00119	1.4059	.03319	-.00006	-.00133	4.2428	.00005	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**.00719**	**.83319**	**1.5475**	**.25008**	**.88776**	**.02028**	**.01012**	**447.88**	**.00560**
Stddev	.00023	.00019	.00505	.0498	.00273	.00112	.00021	.00009	.26	.00059
%RSD	7.5129	2.5735	.60585	3.2156	1.0925	.12666	1.0490	.90905	.05912	10.489
#1	.00321	.00706	.82962	1.5123	.24815	.88696	.02013	.01006	447.69	.00601
#2	.00289	.00732	.83676	1.5827	.25201	.88855	.02043	.01019	448.07	.00518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02606**	**.00055**	**117.80**	**.00099**	**-.00042**	**7.7428**	**16.570**	**.00049**	**1.7045**	**.00251**
Stddev	.00167	.00060	.09	.00087	.00029	.0394	.084	.00010	.0001	.00067
%RSD	6.4233	109.16	.07831	87.998	68.311	.50915	.50915	19.723	.00849	26.670
#1	.02724	.00013	117.74	.00037	-.00063	7.7149	16.510	.00042	1.7044	.00298
#2	.02487	.00098	117.87	.00160	-.00022	7.7707	16.629	.00056	1.7046	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05231**	**-.00042**	**.00715**	**.01045**	**.01758**	**.00350**
Stddev	.00008	.00153	.00144	.00005	.00014	.00086
%RSD	.14670	362.10	20.111	.51060	.77637	24.540
#1	.05237	.00066	.00817	.01041	.01768	.00410
#2	.05226	-.00151	.00614	.01049	.01748	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7825.2**	**97246.**	**8951.4**
Stddev	.8	115.	9.0
%RSD	.01019	.11859	.10078
#1	7825.7	97328.	8945.0
#2	7824.6	97165.	8957.7

Sample Name: 280-48662-e-12-a Acquired: 11/7/2013 23:43:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**141.40**	**.03989**	**1.1228**	**3.7564**	**.01057**	**-.03786**	**336.90**	**.00177**	**.06690**
Stddev	.00013	.71	.00065	.0062	.0085	.00003	.00310	1.86	.00003	.00050
%RSD	12.008	.50548	1.6248	.55079	.22553	.29682	8.1958	.55325	1.8794	.74312
#1	-.00101	141.90	.03943	1.1185	3.7624	.01060	-.03567	338.22	.00179	.06655
#2	-.00120	140.89	.04035	1.1272	3.7504	.01055	-.04005	335.59	.00174	.06725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11039**	**.09517**	**100.70**	**20.380**	**.23746**	**54.824**	**5.1024**	**.00549**	W **554.19**	**.15280**
Stddev	.00075	.00039	.18	.007	.00000	.060	.0404	.00040	1.04	.00114
%RSD	.67702	.40836	.18008	.03266	.00091	.11022	.79128	7.3645	.18816	.74536
#1	.10986	.09489	100.83	20.384	.23746	54.781	5.0738	.00520	554.93	.15199
#2	.11092	.09544	100.57	20.375	.23746	54.866	5.1309	.00577	553.46	.15360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3121**	**.09429**	**136.26**	**.00033**	**.02342**	W **87.010**	**186.20**	**.00806**	**2.7715**	**.09402**
Stddev	.0245	.00186	.22	.00282	.00488	.603	1.29	.00051	.0048	.00044
%RSD	.56932	1.9774	.16359	854.95	20.831	.69299	.69299	6.3324	.17167	.47101
#1	4.2947	.09297	136.10	-.00166	.02687	87.437	187.11	.00770	2.7749	.09371
#2	4.3295	.09561	136.42	.00232	.01997	86.584	185.29	.00842	2.7681	.09434
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33470**	**-.00271**	F **-.26313**	**.19786**	**.36831**	**.01193**
Stddev	.00223	.00036	.00022	.00005	.00025	.00187
%RSD	.66480	13.357	.08510	.02437	.06808	15.693
#1	.33313	-.00246	-.26297	.19783	.36813	.01060
#2	.33628	-.00297	-.26329	.19790	.36848	.01325
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8649.0**	**104470.**	**10006.**
Stddev	4.7	15.	136.
%RSD	.05400	.01472	1.3573
#1	8645.7	104460.	9909.6
#2	8652.3	104480.	10102.

Sample Name: 280-48651-b-6-c Acquired: 11/7/2013 23:45:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**7.7736**	**.00526**	**.03681**	**.15864**	**.00059**	**-.00235**	**39.431**	**.00777**	**.01372**
Stddev	.00025	.0334	.00115	.00055	.00014	.00009	.00017	.048	.00011	.00025
%RSD	35.812	.42918	21.858	1.5042	.08921	14.535	7.1011	.12172	1.4034	1.8246
#1	.00052	7.7972	.00445	.03721	.15854	.00065	-.00223	39.465	.00769	.01390
#2	.00088	7.7500	.00608	.03642	.15874	.00053	-.00247	39.397	.00785	.01354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00639**	**.03919**	**3.6521**	**6.0815**	**.03821**	**6.0375**	**.37802**	**.00065**	**6.2052**	**.03732**
Stddev	.00001	.00007	.0261	.0239	.00016	.0057	.00026	.00017	.0550	.00036
%RSD	.22406	.17072	.71513	.39293	.40747	.09461	.06895	25.685	.88642	.96341
#1	.00638	.03924	3.6706	6.0984	.03810	6.0334	.37784	.00053	6.2440	.03758
#2	.00640	.03914	3.6336	6.0646	.03832	6.0415	.37820	.00077	6.1663	.03707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5872**	**.01796**	**53.236**	**.00090**	**.00273**	**10.234**	**21.901**	**.00139**	**.16307**	**.00513**
Stddev	.0032	.00035	.001	.00203	.00028	.120	.257	.00059	.00009	.00070
%RSD	.19871	1.9559	.00105	225.85	10.269	1.1724	1.1724	42.388	.05319	13.619
#1	1.5894	.01820	53.236	.00233	.00293	10.319	22.082	.00181	.16301	.00464
#2	1.5850	.01771	53.236	-.00054	.00253	10.149	21.719	.00098	.16313	.00562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12807**	**-.00104**	W **-.05319**	**.01095**	**4.7596**	**.00388**
Stddev	.00088	.00012	.00508	.00049	.0175	.00112
%RSD	.68594	11.823	9.5588	4.4843	.36768	28.918
#1	.12869	-.00096	-.05678	.01061	4.7472	.00468
#2	.12745	-.00113	-.04959	.01130	4.7719	.00309
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8320.1**	**104980.**	**9075.3**
Stddev	1.6	45.	18.4
%RSD	.01946	.04307	.20325
#1	8319.0	104940.	9062.2
#2	8321.3	105010.	9088.3

Sample Name: 280-48651-b-7-c Acquired: 11/7/2013 23:47:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00958**	**.00146**	**.00595**	**.00037**	**-.00008**	**.00030**	**.02087**	**-.00012**	**-.00003**
Stddev	.00048	.00325	.00208	.00085	.00024	.00008	.00060	.00055	.00005	.00017
%RSD	340.60	33.872	142.50	14.228	64.393	104.54	201.02	2.6591	42.600	576.82
#1	.00048	.01188	-.00001	.00655	.00053	-.00002	-.00013	.02126	-.00015	.00009
#2	-.00020	.00729	.00293	.00535	.00020	-.00014	.00072	.02048	-.00008	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00144**	**.00451**	**.13955**	**.00147**	**.00385**	**.00034**	**-.00009**	**.53903**	**.00042**
Stddev	.00027	.00054	.00105	.01002	.00088	.00314	.00002	.00003	.01074	.00039
%RSD	55.919	37.568	23.359	7.1777	59.846	81.738	6.1299	35.997	1.9931	91.449
#1	.00029	-.00182	.00526	.13247	.00209	.00162	.00033	-.00011	.53144	.00070
#2	.00068	-.00106	.00377	.14663	.00085	.00607	.00035	-.00006	.54663	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00246**	**-.00058**	**.07431**	**.00208**	**.00134**	**.01840**	**.03937**	**-.00063**	**.00012**	**.00428**
Stddev	.00093	.00097	.00185	.00232	.00465	.00729	.01560	.00023	.00005	.00071
%RSD	37.679	167.50	2.4870	111.11	347.94	39.631	39.631	36.273	38.495	16.719
#1	.00180	.00011	.07562	.00045	.00463	.01324	.02834	-.00047	.00009	.00478
#2	.00311	-.00126	.07301	.00372	-.00195	.02355	.05040	-.00079	.00016	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00078**	**-.04540**	**-.00008**	**.00434**	**-.00022**
Stddev	.00028	.00060	.06063	.00015	.00047	.00070
%RSD	755.91	76.998	133.54	190.59	10.835	319.00
#1	.00016	-.00121	-.08827	-.00019	.00467	-.00071
#2	-.00024	-.00036	-.00253	.00003	.00400	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8299.2**	**106390.**	**9014.0**
Stddev	.4	265.	54.5
%RSD	.00537	.24899	.60489
#1	8298.9	106570.	8975.4
#2	8299.5	106200.	9052.5

Sample Name: CCVH-2357613 Acquired: 11/7/2013 23:50:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**49.255**	**.00248**	**.00961**	**.00049**	**-.00003**	W **.92851**	**.00435**	**-.00035**	**-.00067**	**-.00012**	**.00593**
Stddev	.00003	.111	.00057	.00034	.00014	.00003	.00120	.00063	.00017	.00011	.00005	.00071
%RSD	.71887	.22586	22.905	3.4895	29.140	102.08	.12916	14.582	49.407	16.092	38.976	12.045
#1	.00353	49.334	.00289	.00937	.00060	-.00001	.92935	.00480	-.00047	-.00075	-.00009	.00644
#2	.00349	49.177	.00208	.00985	.00039	-.00005	.92766	.00390	-.00023	-.00060	-.00016	.00543
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.641**	**.20867**	**.00388**	**.10240**	**.00039**	**-.00020**	**248.29**	**-.00029**	**-.00058**	**.00088**	**5.0518**	**.00281**
Stddev	.018	.04450	.00213	.00165	.00005	.00043	.31	.00015	.00255	.00048	.0019	.00214
%RSD	.03931	21.325	54.893	1.6151	13.180	210.50	.12516	53.612	439.66	54.407	.03807	76.299
#1	45.654	.17720	.00238	.10123	.00043	.00010	248.51	-.00040	-.00238	.00054	5.0531	.00432
#2	45.628	.24013	.00539	.10357	.00036	-.00050	248.07	-.00018	.00122	.00122	5.0504	.00129
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00613**	**.00926**	**.01982**	**-.00030**	**.00036**	**5.0443**	**-.00485**	**.00051**	W **10.926**	**.00085**	**.00106**	**.01558**
Stddev	.00199	.00162	.00347	.00030	.00007	.0169	.00003	.00035	.001	.00007	.00053	.00081
%RSD	32.532	17.516	17.516	99.273	18.171	.33560	.58897	67.595	.01019	8.5881	50.115	5.1905
#1	-.00754	.00812	.01737	-.00051	.00041	5.0563	-.00483	.00027	10.926	.00090	.00143	.01501
#2	-.00472	.01041	.02228	-.00009	.00032	5.0324	-.00487	.00075	10.925	.00080	.00068	.01616
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8022.0**	**99589.**	**8775.2**
Stddev	24.6	270.	30.4
%RSD	.30645	.27105	.34686
#1	8004.7	99398.	8796.8
#2	8039.4	99780.	8753.7

Sample Name: CCV-2357614 Acquired: 11/7/2013 23:52:22 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51008**	W **.55102**	**.98152**	**.50726**	**.54054**	**.49878**	**.00236**	**4.9736**	**.51991**	**.52893**	**.48900**	**.52848**
Stddev	.00014	.00176	.00130	.00007	.00083	.00415	.00115	.0311	.00006	.00017	.00071	.00172
%RSD	.02828	.32029	.13229	.01297	.15427	.83284	48.854	.62599	.01165	.03294	.14511	.32545
#1	.51019	.55227	.98060	.50722	.54113	.50172	.00155	4.9956	.51995	.52881	.48850	.52970
#2	.50998	.54978	.98244	.50731	.53995	.49584	.00318	4.9515	.51986	.52906	.48950	.52727
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4090**	**51.274**	**1.0173**	**19.408**	**.52614**	**.47548**	F **5.7145**	**.50181**	**.96126**	**1.0406**	**.04335**	**1.0744**
Stddev	.0106	.310	.0006	.021	.00015	.00229	.0590	.00012	.00505	.0043	.00278	.0046
%RSD	.43901	.60465	.05920	.10725	.02785	.48126	1.0317	.02440	.52563	.41598	6.4110	.42437
#1	2.4015	51.493	1.0169	19.393	.52604	.47710	5.7562	.50173	.96483	1.0436	.04531	1.0777
#2	2.4165	51.054	1.0177	19.423	.52625	.47387	5.6728	.50190	.95768	1.0375	.04138	1.0712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99467**	**4.8050**	**10.283**	**.95763**	**.52407**	**.00093**	**.53907**	**1.0791**	**-.05776**	**.50880**	**.48590**	**.51769**
Stddev	.00447	.0252	.054	.00716	.00177	.00049	.00042	.0033	.02034	.00043	.00025	.00027
%RSD	.44922	.52373	.52373	.74737	.33780	53.358	.07846	.30849	35.218	.08510	.05059	.05223
#1	.99783	4.7872	10.245	.96269	.52532	.00058	.53937	1.0814	-.04338	.50850	.48607	.51789
#2	.99151	4.8228	10.321	.95257	.52282	.00128	.53877	1.0767	-.07214	.50911	.48572	.51750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8253.5**	**102840.**	**8873.5**
Stddev	20.8	178.	110.9
%RSD	.25256	.17310	1.2495
#1	8238.7	102970.	8795.1
#2	8268.2	102720.	8951.9

Sample Name: CCB Acquired: 11/7/2013 23:54:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00177**	**.00109**	**.00404**	**.00044**	**-.00002**	**.00095**	**-.00215**	**-.00001**	**.00019**	**.00008**
Stddev	.00002	.00097	.00249	.00016	.00025	.00004	.00025	.00007	.00012	.00008	.00010
%RSD	3.3735	54.528	227.62	3.9589	56.165	280.75	26.216	3.2444	1255.7	42.550	120.62
#1	.00047	.00109	-.00067	.00393	.00062	.00002	.00078	-.00220	-.00010	.00025	.00016
#2	.00045	.00246	.00285	.00416	.00027	-.00005	.00113	-.00210	.00008	.00013	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00212**	**-.00066**	**.12722**	**.00253**	**-.00178**	**.00005**	**.00006**	F **.30290**	**.00009**	**-.00043**	**.00120**
Stddev	.00021	.00058	.04716	.00067	.00057	.00000	.00020	.00704	.00005	.00083	.00067
%RSD	9.8994	87.703	37.068	26.616	32.103	6.4472	328.78	2.3237	57.628	192.47	55.613
#1	-.00197	-.00107	.09387	.00300	-.00137	.00005	-.00008	.30788	.00012	-.00102	.00167
#2	-.00226	-.00025	.16056	.00205	-.00218	.00005	.00020	.29792	.00005	.00016	.00073
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04092**	W **.00545**	**.00081**	**-.01372**	**-.02936**	**.00072**	**.00003**	**.00548**	**-.00009**	**-.00119**	F **-.07960**
Stddev	.00153	.00222	.00214	.00468	.01001	.00013	.00000	.00015	.00002	.00030	.00281
%RSD	3.7278	40.779	262.77	34.112	34.112	17.930	13.831	2.7875	26.683	25.664	3.5299
#1	.03984	.00388	.00232	-.01703	-.03644	.00082	.00004	.00559	-.00007	-.00097	-.07762
#2	.04199	.00702	-.00070	-.01041	-.02228	.00063	.00003	.00537	-.00011	-.00140	-.08159
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00029**	**.00364**	**.00012**
Stddev	.00016	.00014	.00090
%RSD	52.991	3.7631	741.01
#1	-.00018	.00374	.00076
#2	-.00040	.00354	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8235.3**	**104130.**	**8822.4**
Stddev	29.5	270.	35.6
%RSD	.35862	.25953	.40347
#1	8214.5	104320.	8797.2
#2	8256.2	103940.	8847.6

Sample Name: CCVL-2363703 Acquired: 11/7/2013 23:56:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	**.11717**	**.01792**	**.10311**	**.01132**	**.00097**	**.11724**	**.20169**	**.00519**	**.01114**	**.01007**	**.01492**	**.09975**
Stddev	.00016	.00048	.00176	.00004	.00017	.00012	.00097	.00367	.00009	.00018	.00005	.00005	.00114
%RSD	1.4301	.40876	9.8001	.03446	1.4873	12.012	.83136	1.8188	1.7340	1.6578	.49406	.34498	1.1467
#1	.01155	.11683	.01668	.10314	.01144	.00088	.11793	.20428	.00525	.01101	.01004	.01488	.10056
#2	.01131	.11750	.01916	.10309	.01120	.00105	.11655	.19910	.00512	.01127	.01011	.01496	.09894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1911**	**.01213**	**.21154**	**.01088**	**.01858**	F **1.3777**	**.04199**	**2.8356**	**.01078**	**.02689**	**.01120**	**.01280**	**.43867**
Stddev	.0181	.00094	.00237	.00011	.00021	.0258	.00051	.0053	.00062	.00247	.00177	.00003	.00283
%RSD	.56750	7.7759	1.1227	.99479	1.1091	1.8711	1.2189	.18774	5.7553	9.1968	15.766	.21339	.64444
#1	3.2039	.01146	.21322	.01096	.01843	1.3960	.04235	2.8318	.01034	.02514	.00995	.01278	.44067
#2	3.1783	.01279	.20986	.01081	.01872	1.3595	.04163	2.8393	.01122	.02864	.01245	.01282	.43667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93875**	**.09812**	**.01067**	**.01851**	**.01060**	**.01778**	**.04511**	**.00954**	**.02256**	**.01615**
Stddev	.00605	.00027	.00001	.00097	.00075	.00114	.03814	.00001	.00009	.00016
%RSD	.64444	.27246	.08748	5.2391	7.0981	6.3956	84.546	.10409	.40181	1.0104
#1	.94302	.09831	.01066	.01782	.01007	.01858	.07208	.00955	.02262	.01627
#2	.93447	.09793	.01067	.01920	.01113	.01697	.01814	.00954	.02249	.01604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8511.9**	**107530.**	**9127.5**
Stddev	5.1	53.	90.4
%RSD	.05953	.04924	.99026
#1	8508.3	107570.	9191.5
#2	8515.5	107490.	9063.6

Sample Name: mb 280-199575/1-a Acquired: 11/7/2013 23:59:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00320**	**.00020**	**.00324**	**.00045**	**-.00010**	**.00241**	**.00561**	**-.00024**	**.00005**
Stddev	.00000	.00002	.00013	.00048	.00001	.00006	.00124	.00191	.00047	.00005
%RSD	.79469	.69120	64.307	14.735	2.5411	55.726	51.244	34.121	197.45	90.906
#1	.00051	.00321	.00011	.00358	.00044	-.00006	.00154	.00697	-.00057	.00008
#2	.00052	.00318	.00029	.00291	.00046	-.00014	.00329	.00426	.00009	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00137**	**.00079**	**.10683**	**.00196**	**.00249**	**.00015**	**-.00011**	**.28909**	**.00023**
Stddev	.00001	.00038	.00225	.03647	.00020	.00169	.00002	.00021	.00509	.00003
%RSD	11.122	27.695	284.32	34.136	10.385	67.635	13.063	194.13	1.7602	14.509
#1	.00007	-.00110	.00238	.13261	.00181	.00130	.00017	-.00026	.29269	.00021
#2	.00008	-.00164	-.00080	.08104	.00210	.00369	.00014	.00004	.28549	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00094**	**.02853**	**.00361**	**.00014**	**-.00982**	**-.02101**	**-.00017**	**.00000**	**.00421**
Stddev	.00179	.00067	.00047	.00160	.00057	.01262	.02700	.00036	.0002	.00052
%RSD	576.53	70.953	1.6532	44.374	416.22	128.52	128.52	212.45	16883.	12.388
#1	.00096	.00047	.02886	.00475	.00054	-.01874	-.04010	-.00043	.00011	.00458
#2	-.00158	.00141	.02820	.00248	-.00027	-.00090	-.00192	.00009	-.00012	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00047**	**-.03800**	**-.00042**	**.00326**	**.00202**
Stddev	.00005	.00028	.00930	.00003	.00027	.00059
%RSD	55.925	58.486	24.479	6.0144	8.2556	29.365
#1	-.00012	.00067	-.04457	-.00043	.00307	.00160
#2	-.00005	.00028	-.03142	-.00040	.00345	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8444.8**	**107130.**	**9109.9**
Stddev	10.2	431.	19.3
%RSD	.12123	.40217	.21220
#1	8452.0	106820.	9096.3
#2	8437.6	107430.	9123.6

Sample Name: lcs 280-199575/2-a Acquired: 11/8/2013 0:01:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05119**	**2.1119**	**.99893**	**1.0311**	**2.2051**	**.05007**	**2.1112**	**49.429**	**.10946**	**.52359**
Stddev	.00086	.0004	.00146	.0024	.0005	.00025	.0018	.079	.00033	.00020
%RSD	1.6836	.02098	.14588	.23543	.02321	.50785	.08505	.15985	.29989	.03834
#1	.05059	2.1116	.99790	1.0294	2.2055	.04989	2.1099	49.373	.10923	.52345
#2	.05180	2.1122	.99996	1.0328	2.2047	.05025	2.1125	49.485	.10969	.52374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19952**	**.27048**	**.97190**	**52.379**	**1.0311**	**49.166**	**.52764**	**.97028**	**52.890**	**.49768**
Stddev	.00023	.00168	.00027	.009	.0044	.137	.00166	.00182	.059	.00046
%RSD	.11458	.62277	.02758	.01701	.43040	.27956	.31393	.18765	.11189	.09331
#1	.19969	.26929	.97209	52.373	1.0342	49.264	.52881	.96899	52.932	.49735
#2	.19936	.27167	.97171	52.386	1.0279	49.069	.52647	.97157	52.849	.49801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9275**	**.50955**	**.01127**	W **.54136**	**2.0364**	**9.8004**	**20.973**	**1.9436**	**1.0665**	**1.0681**
Stddev	.0052	.00134	.00571	.00081	.0017	.1250	.268	.0014	.0011	.0026
%RSD	.05211	.26341	50.650	.15054	.08227	1.2757	1.2757	.07092	.10605	.23983
#1	9.9311	.50860	.01531	.54078	2.0376	9.7120	20.784	1.9445	1.0673	1.0699
#2	9.9238	.51050	.00724	.54193	2.0352	9.8888	21.162	1.9426	1.0657	1.0663
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.54000						
Low Limit				.44000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1015**	**2.1069**	F **2.3231**	**.51974**	**.48384**	**.53145**
Stddev	.0002	.0024	.0084	.00120	.00187	.00580
%RSD	.02089	.11143	.36011	.23024	.38630	1.0920
#1	1.1013	2.1052	2.3290	.51890	.48516	.52735
#2	1.1016	2.1085	2.3172	.52059	.48252	.53556
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8081.1**	**101560.**	**9098.8**
Stddev	38.2	142.	36.0
%RSD	.47239	.13997	.39542
#1	8054.1	101450.	9073.3
#2	8108.1	101660.	9124.2

Sample Name: 280-48772-d-2-b Acquired: 11/8/2013 0:03:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00973**	**.06703**	**.05474**	**.32330**	**.00003**	**-.00061**	**99.293**	**.00065**	**.00017**
Stddev	.00015	.00007	.00112	.00044	.00087	.00006	.00209	.074	.00025	.00008
%RSD	50.980	.71577	1.6739	.80172	.26794	227.17	340.12	.07447	37.743	43.405
#1	-.00019	.00968	.06624	.05443	.32269	.00007	-.00209	99.241	.00082	.00023
#2	-.00041	.00978	.06782	.05505	.32391	-.00002	.00086	99.345	.00048	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00091**	**3.5036**	**.63968**	**.01223**	**51.062**	**.39376**	**.01227**	**52.191**	**.00014**
Stddev	.00009	.00064	.0393	.01558	.00050	.030	.00032	.00002	.203	.00018
%RSD	75.169	70.418	1.1225	2.4362	4.1206	.05924	.08122	.13721	.38951	123.09
#1	.00005	-.00046	3.4758	.62867	.01259	51.084	.39398	.01226	52.335	.00027
#2	.00018	-.00136	3.5314	.65070	.01187	51.041	.39353	.01228	52.048	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04946**	**.00128**	**.90693**	**.00005**	**.00231**	**7.8840**	**16.872**	**-.00040**	**.57557**	**.00426**
Stddev	.00226	.00056	.00023	.00102	.00091	.0710	.152	.00081	.00069	.00198
%RSD	4.5664	44.297	.02588	2087.0	39.248	.90012	.90012	203.51	.11969	46.547
#1	.04786	.00167	.90710	.00077	.00167	7.8338	16.764	-.00097	.57509	.00566
#2	.05105	.00088	.90677	-.00067	.00296	7.9341	16.979	.00017	.57606	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00098**	**-.04403**	**.00072**	**.00562**	**.00329**
Stddev	.00041	.00002	.03464	.00002	.00009	.00018
%RSD	184.95	2.0095	78.663	2.6084	1.5858	5.6284
#1	-.00007	.00096	-.06853	.00073	.00568	.00315
#2	.00051	.00099	-.01954	.00070	.00556	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.8**	**100990.**	**9018.3**
Stddev	6.5	55.	26.7
%RSD	.07980	.05478	.29600
#1	8091.4	100950.	9037.1
#2	8082.3	101030.	8999.4

Sample Name: 280-48772-d-2-bSD@5 Acquired: 11/8/2013 0:05:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.01297**	**.01330**	**.01337**	**.06654**	**.00001**	**.00098**	**20.282**	**.00006**	**.00000**
Stddev	.00032	.00023	.00458	.00014	.00016	.00001	.00183	.044	.00016	.00034
%RSD	161.50	1.7790	34.413	1.0438	.24278	223.45	187.64	.21885	280.82	10779.
#1	-.00003	.01280	.01007	.01347	.06643	.00001	-.00032	20.251	-.00006	.00024
#2	.00043	.01313	.01654	.01328	.06666	.00000	.00227	20.314	.00017	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00117**	**.72903**	**.23065**	**.00667**	**10.341**	**.08124**	**.00242**	W **10.621**	**.00026**
Stddev	.00018	.00041	.00210	.01516	.00199	.006	.00011	.00018	.144	.00033
%RSD	221.82	35.281	.28803	6.5736	29.893	.06155	.13520	7.3165	1.3548	124.80
#1	.00021	-.00088	.72754	.24137	.00808	10.337	.08132	.00255	10.723	.00050
#2	-.00005	-.00146	.73051	.21993	.00526	10.346	.08117	.00230	10.520	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.00110**	**.19048**	**-.00091**	**-.00206**	**1.5715**	**3.3631**	**.00281**	**.11773**	**.00306**
Stddev	.00173	.00003	.00079	.00070	.00607	.0002	.0005	.00013	.00009	.00147
%RSD	16.599	2.6508	.41234	76.948	294.73	.01405	.01405	4.6445	.07956	47.949
#1	.01167	.00112	.18993	-.00140	-.00635	1.5717	3.3634	.00290	.11780	.00409
#2	.00922	.00108	.19104	-.00041	.00223	1.5714	3.3627	.00272	.11767	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.00074**	**-.01540**	**-.00004**	**.00636**	**.00149**
Stddev	.00016	.00056	.04667	.00040	.00022	.00273
%RSD	39.857	76.615	303.14	1033.3	3.5365	183.39
#1	-.00050	-.00114	-.04840	.00025	.00652	.00342
#2	-.00028	-.00034	.01760	-.00032	.00620	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8265.4**	**104780.**	**8996.0**
Stddev	14.0	317.	.8
%RSD	.16975	.30258	.00890
#1	8275.3	104560.	8995.5
#2	8255.5	105000.	8996.6

Sample Name: 280-48772-d-2-c ms Acquired: 11/8/2013 0:08:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05144**	**2.0213**	**1.0394**	**1.0445**	**2.4560**	**.04886**	F **2.0365**	**144.03**	**.10784**	**.50179**
Stddev	.00045	.0040	.0056	.0019	.0010	.00010	.0020	.23	.00034	.00009
%RSD	.87143	.19543	.53616	.18698	.04069	.21111	.09786	.16127	.31890	.01796
#1	.05175	2.0185	1.0355	1.0432	2.4567	.04878	2.0379	144.20	.10808	.50185
#2	.05112	2.0241	1.0434	1.0459	2.4553	.04893	2.0351	143.87	.10760	.50172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19266**	**.26471**	**4.3013**	**52.307**	**1.0235**	**96.718**	**.89020**	**.95127**	**101.54**	**.47638**
Stddev	.00002	.00207	.0032	.025	.0018	.636	.00471	.00007	.05	.00043
%RSD	.01198	.78122	.07461	.04696	.17536	.65773	.52922	.00751	.04950	.08971
#1	.19264	.26325	4.2990	52.324	1.0222	96.268	.88687	.95132	101.58	.47607
#2	.19267	.26618	4.3036	52.289	1.0248	97.168	.89353	.95122	101.51	.47668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8501**	**.48397**	**.83449**	**.52638**	**1.9766**	**17.160**	**36.721**	**1.8620**	**1.6001**	**1.0384**
Stddev	.0130	.00108	.00481	.00294	.0019	.008	.017	.0033	.0002	.0055
%RSD	.13153	.22240	.57655	.55776	.09684	.04515	.04515	.17755	.01176	.53390
#1	9.8410	.48321	.83789	.52846	1.9779	17.165	36.733	1.8596	1.6002	1.0345
#2	9.8593	.48473	.83109	.52431	1.9752	17.154	36.710	1.8643	1.6000	1.0423
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0717**	**1.9574**	**2.2680**	**.50660**	**.46431**	**.51688**
Stddev	.0048	.0072	.0111	.00261	.00430	.00090
%RSD	.44731	.36873	.48861	.51530	.92660	.17448
#1	1.0683	1.9523	2.2602	.50476	.46127	.51624
#2	1.0751	1.9625	2.2759	.50845	.46735	.51752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7920.3**	**99374.**	**8909.9**
Stddev	7.9	197.	30.9
%RSD	.09971	.19867	.34736
#1	7925.9	99513.	8888.0
#2	7914.7	99234.	8931.7

Sample Name: 280-48772-d-2-d msd Acquired: 11/8/2013 0:10:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05138**	**2.0367**	**1.0496**	**1.0512**	**2.4826**	**.04941**	F **2.0510**	**146.27**	**.10840**	**.50492**
Stddev	.00035	.0004	.0053	.0027	.0031	.00010	.0070	.16	.00059	.00021
%RSD	.67198	.02056	.50273	.26085	.12537	.21164	.34086	.10636	.54161	.04240
#1	.05162	2.0364	1.0459	1.0531	2.4804	.04948	2.0559	146.38	.10882	.50477
#2	.05114	2.0370	1.0534	1.0492	2.4848	.04933	2.0460	146.16	.10799	.50507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19370**	**.26670**	**4.3936**	**52.705**	**1.0288**	**98.379**	**.90504**	**.95536**	**103.12**	**.47777**
Stddev	.00023	.00004	.0138	.020	.0007	.132	.00015	.00070	.12	.00072
%RSD	.11985	.01364	.31362	.03804	.06642	.13418	.01618	.07375	.11327	.14999
#1	.19386	.26668	4.3838	52.719	1.0292	98.472	.90493	.95586	103.03	.47727
#2	.19354	.26673	4.4033	52.691	1.0283	98.286	.90514	.95486	103.20	.47828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9197**	**.48682**	**.85196**	**.52752**	**1.9882**	**17.576**	**37.612**	**1.8626**	**1.6220**	**1.0485**
Stddev	.0160	.00003	.00711	.00352	.0037	.044	.094	.0036	.0008	.0002
%RSD	.16123	.00647	.83455	.66747	.18500	.24985	.24985	.19126	.05266	.02178
#1	9.9310	.48684	.85699	.53001	1.9908	17.607	37.678	1.8601	1.6214	1.0487
#2	9.9084	.48680	.84693	.52503	1.9856	17.545	37.545	1.8651	1.6226	1.0484
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0821**	**1.9676**	**2.2966**	**.51321**	**.47175**	**.52802**
Stddev	.0011	.0028	.0435	.00287	.00170	.00235
%RSD	.10140	.14322	1.8922	.55979	.35949	.44595
#1	1.0829	1.9656	2.2659	.51118	.47295	.52969
#2	1.0813	1.9696	2.3273	.51524	.47055	.52636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7925.1**	**98983.**	**9031.7**
Stddev	21.1	164.	56.9
%RSD	.26626	.16537	.63010
#1	7940.0	98867.	9071.9
#2	7910.2	99099.	8991.5

Sample Name: 280-48772-d-2-bPDS Acquired: 11/8/2013 0:12:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05098**	**1.0322**	**.25557**	**.14937**	**.41952**	**.04754**	**-.00151**	**115.08**	**.05197**	**.04996**
Stddev	.00113	.0000	.00420	.00167	.00079	.00001	.00158	.04	.00011	.00028
%RSD	2.2072	.00148	1.6427	1.1191	.18881	.02430	104.21	.03155	.20477	.56813
#1	.05018	1.0322	.25854	.15056	.42008	.04755	-.00040	115.11	.05205	.05016
#2	.05178	1.0322	.25260	.14819	.41896	.04753	-.00263	115.05	.05190	.04975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04728**	**.05177**	**4.3114**	**20.667**	**.11085**	**68.017**	**.43368**	**.05746**	**70.843**	**.04677**
Stddev	.00004	.00011	.0143	.031	.00190	.186	.00157	.00019	.198	.00034
%RSD	.08043	.21310	.33267	.15208	1.7132	.27286	.36196	.32341	.27976	.73248
#1	.04730	.05184	4.3215	20.689	.11219	68.148	.43479	.05732	70.703	.04653
#2	.04725	.05169	4.3012	20.644	.10950	67.886	.43257	.05759	70.983	.04702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9846**	**.09641**	**.88001**	**.10673**	**.19075**	**12.269**	**26.256**	**.09162**	**.61184**	**.20754**
Stddev	.0006	.00008	.00524	.00151	.00068	.063	.136	.00090	.00016	.00056
%RSD	.02854	.08113	.59518	1.4147	.35697	.51619	.51619	.97720	.02544	.26893
#1	1.9842	.09636	.87631	.10780	.19123	12.314	26.352	.09099	.61195	.20793
#2	1.9850	.09647	.88372	.10567	.19026	12.225	26.161	.09225	.61173	.20714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05179**	**.19220**	**.50493**	**.05076**	**.18917**	**.05061**
Stddev	.00058	.00045	.02721	.00039	.00115	.00058
%RSD	1.1243	.23421	5.3898	.77545	.61036	1.1483
#1	.05138	.19188	.48569	.05104	.18999	.05102
#2	.05220	.19252	.52418	.05049	.18835	.05020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8038.1**	**100550.**	**9027.5**
Stddev	2.7	193.	97.8
%RSD	.03321	.19226	1.0833
#1	8036.3	100410.	8958.3
#2	8040.0	100680.	9096.6

Sample Name: CCVH-2357613 Acquired: 11/8/2013 0:14:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00534	48.109	k .00077	k .00747	k .00051	k -.00006	kF .86896	k -.02716	k -.00140	k .00089	k -.00094
Stddev	.00017	.055	.00072	.00019	.00030	.00001	.00064	.00283	.00006	.00018	.00015
%RSD	3.2633	.11522	93.519	2.5741	59.239	9.4185	.07360	10.407	4.5828	20.757	15.891
#1	k .00546	48.070	k .00127	k .00733	k .00073	k -.00006	k .86851	k -.02516	k -.00145	k .00102	k -.00084
#2	k .00522	48.148	k .00026	k .00761	k .00030	k -.00006	k .86941	k -.02916	k -.00136	k .00076	k -.00105
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .01454	F 44.329	.18666	k .00120	k -.28285	k -.00128	k -.00143	243.52	k .00140	k .00341	k .01069
Stddev	.00005	.243	.01965	.00184	.00755	.00003	.00009	.12	.00007	.00053	.00095
%RSD	.33114	.54882	10.529	153.22	2.6694	2.5850	6.2621	.04817	5.0045	15.614	8.8679
#1	k .01450	44.157	.20056	k .00251	k -.28819	k -.00126	k -.00149	243.60	k .00145	k .00304	k .01136
#2	k .01457	44.501	.17276	k -.00010	k -.27751	k -.00130	k -.00136	243.43	k .00135	k .00379	k .01002
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 4.9290	k .00315	k -.00410	k .00197	k .00421	k .00081	.00038	k 5.2130	k .01300	k -.00116	kW 10.773
Stddev	.0023	.00153	.00047	.00123	.00263	.00014	.00005	.0082	.00019	.00207	.011
%RSD	.04697	48.530	11.332	62.566	62.566	16.645	12.516	.15781	1.4342	178.31	.10490
#1	k 4.9274	k .00423	k -.00378	k .00284	k .00607	k .00072	.00035	k 5.2072	k .01314	k .00030	k 10.781
#2	k 4.9307	k .00207	k -.00443	k .00110	k .00235	k .00091	.00042	k 5.2188	k .01287	k -.00263	k 10.765
Check ?	Chk Pass	None	None	None	None	None	None	Chk Pass	None	None	Chk Warn
Value											10.000
Range											5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k .00097	k .00251	k .20713
Stddev	.00005	.00003	.00353
%RSD	4.6652	1.1022	1.7040
#1	k .00094	k .00250	k .20463
#2	k .00100	k .00253	k .20962
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	8063.4	99733.	8916.0
Stddev	32.6	86.	15.0
%RSD	.40433	.08586	.16772
#1	8040.3	99793.	8905.4
#2	8086.4	99672.	8926.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 0:17:04 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49993**	**.54069**	**.95820**	**.49657**	**.52686**	**.48485**	**.00575**	**4.8360**	**.50967**	**.51761**	**.47745**	**.51765**	**2.3403**
Stddev	.00035	.00117	.00013	.00249	.00075	.00015	.00070	.0032	.00145	.00076	.00043	.00024	.0059
%RSD	.06971	.21671	.01307	.50171	.14160	.03168	12.212	.06634	.28454	.14588	.09015	.04683	.25357
#1	.50018	.53986	.95811	.49833	.52739	.48474	.00526	4.8383	.51070	.51814	.47775	.51748	2.3445
#2	.49968	.54152	.95829	.49481	.52633	.48496	.00625	4.8338	.50864	.51707	.47714	.51782	2.3361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.969**	**.99107**	**18.975**	**.51429**	**.46291**	**5.4535**	**.48987**	**.93963**	**1.0187**	**.00700**	**1.0580**	**.97556**	**4.6617**
Stddev	.140	.00673	.039	.00148	.00326	.0232	.00064	.00270	.0038	.00658	.0034	.00120	.0277
%RSD	.27954	.67904	.20607	.28699	.70437	.42445	.13003	.28736	.37741	93.957	.32412	.12251	.59388
#1	50.068	.99583	18.947	.51325	.46522	5.4698	.49032	.94154	1.0214	.01165	1.0604	.97471	4.6421
#2	49.871	.98631	19.003	.51534	.46061	5.4371	.48942	.93772	1.0160	.00235	1.0556	.97640	4.6813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9760**	**.93706**	**.50993**	**-.00056**	**.52687**	**1.0616**	**-.00381**	**.49784**	**.47425**	**.51077**
Stddev	.0592	.00088	.00073	.00123	.00090	.0008	.01434	.00057	.00032	.00004
%RSD	.59388	.09390	.14360	220.41	.17076	.07649	376.58	.11499	.06688	.00759
#1	9.9341	.93768	.51045	.00031	.52623	1.0621	.00633	.49743	.47403	.51079
#2	10.018	.93644	.50941	-.00142	.52750	1.0610	-.01395	.49824	.47448	.51074
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8229.1**	**102880.**	**8899.1**
Stddev	40.5	429.	43.6
%RSD	.49205	.41707	.48982
#1	8257.8	103190.	8868.3
#2	8200.5	102580.	8930.0

Sample Name: CCB Acquired: 11/8/2013 0:19:11 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00072**	**.00018**	**.00308**	**.00017**	**.00000**	**.00142**	**-.00290**	**-.00014**	**.00004**	**.00003**
Stddev	.00058	.00002	.00023	.00009	.00017	.00002	.00147	.00020	.00014	.00003	.00008
%RSD	168.19	2.6128	128.03	2.9948	102.45	773.91	103.63	6.9971	101.65	69.072	325.77
#1	.00075	.00073	.00002	.00315	.00005	.00001	.00246	-.00275	-.00023	.00005	.00009
#2	-.00006	.00071	.00035	.00302	.00029	-.00001	.00038	-.00304	-.00004	.00002	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00202**	**-.00157**	**.10479**	**.00138**	**-.00013**	**.00002**	**.00017**	F **.23469**	**-.00006**	**-.00055**	**.00083**
Stddev	.00112	.00161	.01060	.00294	.00295	.00003	.00007	.01135	.00027	.00011	.00103
%RSD	55.198	102.93	10.113	212.65	2201.9	170.19	44.046	4.8357	418.95	19.470	124.56
#1	-.00281	-.00271	.09730	.00346	-.00222	.00004	.00022	.22666	-.00025	-.00048	.00010
#2	-.00123	-.00043	.11228	-.00070	.00195	.00000	.00011	.24271	.00013	-.00063	.00156
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01123**	W **.00624**	**.00076**	**-.02510**	**-.05372**	**.00065**	**.00008**	**.00417**	**-.00019**	**-.00126**	**-.04299**
Stddev	.00197	.00148	.00074	.01012	.02165	.00001	.00001	.00069	.00001	.00111	.02023
%RSD	17.566	23.676	96.643	40.310	40.310	1.6390	14.963	16.660	3.5891	87.559	47.046
#1	.00983	.00729	.00129	-.03226	-.06903	.00065	.00007	.00466	-.00019	-.00204	-.05730
#2	.01262	.00520	.00024	-.01795	-.03841	.00066	.00009	.00368	-.00018	-.00048	-.02869
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00017**	**.00359**	**.00177**
Stddev	.00052	.00006	.00097
%RSD	313.60	1.7337	55.028
#1	-.00053	.00355	.00246
#2	.00020	.00363	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8276.4**	**105120.**	**8996.9**
Stddev	3.1	1.	42.0
%RSD	.03786	.00068	.46720
#1	8274.1	105120.	9026.7
#2	8278.6	105120.	8967.2

Sample Name: CCVL-2363703 Acquired: 11/8/2013 0:21:30 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01059**	**.11699**	**.01576**	**.10246**	**.01123**	**.00095**	**.11550**	**.19612**	**.00523**	**.01121**	**.01006**	**.01501**	**.09517**
Stddev	.00048	.00010	.00144	.00045	.00001	.00001	.00054	.00422	.00002	.00004	.00001	.00022	.00072
%RSD	4.5414	.08893	9.1358	.44223	.08401	.58694	.46899	2.1540	.38057	.32410	.07042	1.4978	.75515
#1	.01093	.11691	.01474	.10214	.01124	.00095	.11588	.19313	.00521	.01124	.01005	.01517	.09466
#2	.01025	.11706	.01677	.10278	.01123	.00094	.11511	.19911	.00524	.01119	.01006	.01485	.09568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1435**	**.01158**	**.20860**	**.01067**	**.01857**	**1.2788**	**.04146**	**2.8317**	**.00944**	**.01324**	F **.01468**	**.01339**	**.45269**
Stddev	.0304	.00069	.00285	.00000	.00009	.0186	.00016	.0008	.00010	.00203	.00066	.00359	.00059
%RSD	.96839	5.9268	1.3641	.01437	.50952	1.4560	.39438	.02788	1.0275	15.306	4.4761	26.832	.12924
#1	3.1219	.01109	.21061	.01067	.01850	1.2656	.04158	2.8323	.00937	.01181	.01421	.01085	.45311
#2	3.1650	.01206	.20659	.01067	.01863	1.2919	.04134	2.8311	.00951	.01467	.01514	.01593	.45228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96876**	**.09732**	**.01044**	F **.01983**	**.01069**	**.01725**	F **.02494**	**.01025**	**.02191**	**.01700**
Stddev	.00125	.00059	.00004	.00121	.00026	.00058	.07410	.00011	.00005	.00200
%RSD	.12924	.60472	.38141	6.0892	2.4447	3.3712	297.16	1.0389	.24665	11.735
#1	.96965	.09774	.01041	.02069	.01087	.01684	-.02746	.01033	.02195	.01559
#2	.96788	.09690	.01047	.01898	.01050	.01766	.07734	.01018	.02187	.01842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01500			.06000			
Range				30.000%			-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8529.9**	**108130.**	**9162.8**
Stddev	11.7	284.	78.0
%RSD	.13727	.26240	.85095
#1	8538.1	107930.	9217.9
#2	8521.6	108330.	9107.6

Sample Name: 280-48772-d-7-b Acquired: 11/8/2013 0:23:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00262**	**.00114**	**.00191**	**-.00003**	**-.00010**	**-.00020**	**.00303**	**.00003**	**.00019**
Stddev	.00052	.00022	.00084	.00080	.00008	.00002	.00120	.00155	.00001	.00024
%RSD	69.526	8.4244	73.373	41.711	265.08	20.679	585.05	51.218	31.128	123.42
#1	.00038	.00246	.00173	.00247	-.00009	-.00012	.00064	.00193	.00003	.00002
#2	.00112	.00277	.00055	.00135	.00003	-.00009	-.00105	.00412	.00002	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00158**	**-.00149**	**.06260**	**.00250**	**.00048**	**.00005**	**.00023**	**.21435**	**.00032**
Stddev	.00010	.00008	.00011	.03881	.00204	.00049	.00003	.00004	.01378	.00014
%RSD	85.316	5.0548	7.2249	61.998	81.683	102.35	51.667	15.986	6.4286	42.979
#1	.00019	-.00163	-.00142	.09005	.00106	.00082	.00003	.00020	.20461	.00042
#2	.00005	-.00152	-.00157	.03516	.00394	.00013	.00007	.00025	.22410	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.00048**	**.01126**	**.00236**	**-.00206**	**-.00084**	**-.00181**	**-.00020**	**.00016**	**.00261**
Stddev	.00008	.00020	.00184	.00005	.00012	.00778	.01665	.00069	.00008	.00055
%RSD	7.0573	40.770	16.339	1.9163	5.9581	921.52	921.52	344.99	47.321	21.140
#1	.00107	.00062	.00996	.00239	-.00215	.00466	.00997	.00029	.00011	.00222
#2	.00118	.00034	.01256	.00233	-.00198	-.00635	-.01358	-.00069	.00022	.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00039**	**.00218**	**-.00021**	**.00281**	**-.00108**
Stddev	.00054	.00086	.00350	.00010	.00002	.00207
%RSD	212.97	220.44	161.04	45.254	.54079	191.42
#1	.00013	.00022	.00465	-.00028	.00280	.00038
#2	-.00063	-.00100	-.00030	-.00015	.00282	-.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8508.3**	**108740.**	**9283.7**
Stddev	28.1	67.	19.0
%RSD	.33038	.06151	.20512
#1	8488.4	108690.	9270.2
#2	8528.2	108790.	9297.2

Sample Name: 280-48772-d-3-b Acquired: 11/8/2013 0:26:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00651**	**.00062**	**.01945**	**.13560**	**-.00006**	**-.00138**	**42.881**	**.00026**	**.00000**
Stddev	.00001	.00015	.00022	.00007	.00069	.00002	.00038	.033	.00014	.00014
%RSD	1.2414	2.2414	35.378	.35838	.51095	32.441	27.620	.07777	54.345	4261.5
#1	.00113	.00641	.00046	.01950	.13511	-.00004	-.00111	42.857	.00036	.00010
#2	.00111	.00661	.00077	.01940	.13609	-.00007	-.00165	42.904	.00016	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00246**	**.19614**	**3.1308**	**.00927**	**9.0605**	**.04898**	**.00100**	**23.413**	**.00273**
Stddev	.00000	.00054	.00070	.0447	.00298	.0129	.00013	.00023	.125	.00036
%RSD	.12075	21.901	.35697	1.4269	32.137	.14277	.26953	23.049	.53421	13.354
#1	.00053	.00208	.19663	3.0992	.00716	9.0514	.04888	.00084	23.324	.00299
#2	.00052	.00284	.19564	3.1624	.01138	9.0697	.04907	.00116	23.501	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07394**	**.00071**	**5.1265**	**.00201**	**.00039**	**5.5228**	**11.819**	**.00002**	**.58947**	**.00380**
Stddev	.00199	.00111	.0008	.00164	.00063	.0224	.048	.00004	.00034	.00127
%RSD	2.6855	157.29	.01502	81.707	161.84	.40628	.40628	228.38	.05686	33.379
#1	.07534	.00149	5.1271	.00085	.00083	5.5069	11.785	.00004	.58923	.00470
#2	.07253	-.00008	5.1260	.00317	-.00006	5.5386	11.853	-.00001	.58970	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00038**	**-.02594**	**.00240**	**.00472**	**.00042**
Stddev	.00039	.00087	.00993	.00027	.00009	.00056
%RSD	131.66	232.25	38.301	11.260	1.8333	131.98
#1	.00002	-.00099	-.03296	.00221	.00479	.00082
#2	.00058	.00024	-.01891	.00259	.00466	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8397.8**	**105430.**	**9310.4**
Stddev	6.3	442.	22.0
%RSD	.07488	.41913	.23591
#1	8402.2	105750.	9294.8
#2	8393.3	105120.	9325.9

Sample Name: 280-48772-d-4-b Acquired: 11/8/2013 0:28:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00287**	**.03094**	**.10532**	**.58015**	**-.00003**	**-.00263**	**108.63**	**.00064**	**.00018**
Stddev	.00067	.00021	.00270	.00025	.00633	.00003	.00058	1.14	.00002	.00024
%RSD	266.00	7.2210	8.7307	.23555	1.0917	101.63	22.044	1.0505	2.7907	138.06
#1	-.00022	.00302	.02903	.10550	.58463	-.00005	-.00304	109.43	.00063	.00000
#2	.00072	.00272	.03285	.10515	.57567	-.00001	-.00222	107.82	.00065	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00115**	**5.9261**	**.98414**	**.01596**	**60.766**	**.29575**	**.00412**	**43.750**	**-.00002**
Stddev	.00001	.00060	.0442	.01492	.00042	.048	.00001	.00014	.048	.00038
%RSD	57.016	51.975	.74500	1.5159	2.6405	.07935	.00270	3.3048	.10861	1698.2
#1	.00003	-.00157	5.9573	.99469	.01567	60.800	.29575	.00422	43.784	-.00029
#2	.00001	-.00073	5.8949	.97359	.01626	60.732	.29576	.00402	43.717	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04824**	**.00089**	**1.9659**	**.00042**	**-.00180**	**8.4847**	**18.157**	**.00087**	**1.0487**	**.00434**
Stddev	.00028	.00061	.0048	.00017	.00328	.0395	.085	.00075	.0115	.00209
%RSD	.58996	68.671	.24563	41.521	182.99	.46592	.46592	86.765	1.0983	48.140
#1	.04844	.00133	1.9693	.00029	-.00412	8.5126	18.217	.00033	1.0568	.00286
#2	.04803	.00046	1.9625	.00054	.00053	8.4567	18.097	.00140	1.0405	.00581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00061**	**-.03291**	**.00059**	**.00370**	**.00041**
Stddev	.00003	.00016	.06944	.00012	.00001	.00047
%RSD	90.413	25.590	211.03	19.564	.33094	114.82
#1	-.00006	.00050	.01620	.00051	.00369	.00074
#2	-.00001	.00072	-.08201	.00068	.00371	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8094.5**	**101810.**	**9216.3**
Stddev	5.5	217.	101.9
%RSD	.06781	.21299	1.1054
#1	8098.3	101960.	9144.3
#2	8090.6	101660.	9288.4

Sample Name: 280-48772-d-5-b Acquired: 11/8/2013 0:30:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00569**	**.03102**	**.10789**	**.60136**	**.00001**	**-.00494**	**112.55**	**.00062**	**-.00004**
Stddev	.00020	.00008	.00181	.00039	.00140	.00007	.00163	.11	.00012	.00020
%RSD	136.87	1.3556	5.8286	.36403	.23305	1068.5	32.912	.10148	18.938	475.18
#1	.00000	.00575	.03230	.10761	.60235	.00005	-.00379	112.63	.00071	-.00018
#2	.00029	.00564	.02974	.10817	.60037	-.00004	-.00609	112.47	.00054	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00069**	**6.1714**	**.98353**	**.01757**	**62.505**	**.30407**	**.00451**	**45.064**	**.00010**
Stddev	.00020	.00026	.0145	.00884	.00038	.054	.00001	.00011	.049	.00003
%RSD	114.65	37.361	.23489	.89832	2.1838	.08654	.00421	2.3847	.10973	30.586
#1	.00031	-.00087	6.1817	.98978	.01784	62.543	.30406	.00444	45.029	.00013
#2	.00003	-.00051	6.1612	.97728	.01730	62.466	.30408	.00459	45.099	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05024**	**-.00043**	**2.0172**	**.00094**	W **-.00617**	**8.7723**	**18.773**	**.00017**	**1.0866**	**.00362**
Stddev	.00121	.00003	.0049	.00225	.00385	.0169	.036	.00087	.0032	.00106
%RSD	2.4174	7.9805	.24188	239.51	62.438	.19241	.19241	523.42	.29553	29.300
#1	.05110	-.00040	2.0137	-.00065	-.00344	8.7603	18.747	.00078	1.0888	.00287
#2	.04938	-.00045	2.0206	.00253	-.00889	8.7842	18.798	-.00045	1.0843	.00437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00068**	**.00303**	**.00046**	**.00288**	**.00143**
Stddev	.00014	.00084	.02954	.00015	.00046	.00017
%RSD	190.56	123.24	974.40	31.694	15.942	11.705
#1	.00003	-.00128	.02392	.00057	.00320	.00155
#2	-.00018	-.00009	-.01786	.00036	.00255	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8018.5**	**100490.**	**9047.7**
Stddev	4.3	116.	77.1
%RSD	.05324	.11587	.85252
#1	8015.5	100570.	8993.2
#2	8021.6	100410.	9102.3

Sample Name: 280-48772-d-6-b Acquired: 11/8/2013 0:33:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00717**	**.01413**	**.02347**	**.58636**	**-.00003**	**-.00464**	**131.39**	**.00043**	**.00002**
Stddev	.00002	.00011	.00128	.00048	.00192	.00004	.00011	.42	.00033	.00018
%RSD	78.635	1.5850	9.0823	2.0325	.32814	126.84	2.3140	.31703	76.808	943.83
#1	.00001	.00725	.01504	.02313	.58500	-.00006	-.00472	131.09	.00019	.00015
#2	.00004	.00709	.01322	.02380	.58772	.00000	-.00456	131.68	.00066	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00044**	**3.6196**	**.95904**	**.00610**	**28.756**	**.26767**	**.00002**	**11.774**	**.00060**
Stddev	.00009	.00009	.0321	.00493	.00160	.087	.00004	.00045	.067	.00004
%RSD	24.120	21.374	.88611	.51424	26.186	.30083	.01660	2633.1	.57100	7.3318
#1	.00030	-.00038	3.5969	.95556	.00723	28.817	.26764	.00034	11.727	.00057
#2	.00042	-.00051	3.6423	.96253	.00497	28.695	.26770	-.00030	11.822	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01334**	**.00085**	**.92518**	**.00133**	**-.00098**	**5.0150**	**10.732**	**.00058**	**.38808**	**.00183**
Stddev	.00125	.00143	.00398	.00249	.00205	.0626	.134	.00005	.00132	.00280
%RSD	9.3461	167.34	.42995	186.77	209.63	1.2483	1.2483	8.8703	.33894	152.87
#1	.01246	.00186	.92799	-.00043	-.00243	4.9708	10.637	.00062	.38715	-.00015
#2	.01422	-.00016	.92236	.00309	.00047	5.0593	10.827	.00054	.38901	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00048**	**.00752**	**.00109**	**.00367**	**.00227**
Stddev	.00023	.00081	.01463	.00000	.00023	.00024
%RSD	628.21	168.36	194.42	.09785	6.3896	10.389
#1	-.00020	-.00106	-.00282	.00109	.00383	.00244
#2	.00013	.00009	.01787	.00109	.00350	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8177.7**	**102440.**	**9136.5**
Stddev	20.8	425.	39.1
%RSD	.25457	.41522	.42816
#1	8192.4	102140.	9164.1
#2	8163.0	102740.	9108.8

Sample Name: 280-48831-a-1-a Acquired: 11/8/2013 0:35:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00468**	**.00156**	**.16088**	**.02697**	**-.00014**	**.00007**	**83.115**	**.00004**	**-.00037**
Stddev	.00006	.00014	.00220	.00075	.00003	.00009	.00209	.201	.00003	.00009
%RSD	40.243	2.9090	140.80	.46434	.09956	66.173	2807.2	.24189	80.763	24.759
#1	.00011	.00459	.00001	.16035	.02695	-.00020	.00155	82.973	.00006	-.00043
#2	.00020	.00478	.00311	.16141	.02699	-.00007	-.00140	83.257	.00002	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**-.00018**	**.00277**	**1.8802**	**.02947**	**24.877**	**.00883**	**.00137**	**283.75**	**.00042**
Stddev	.00004	.00016	.00115	.0420	.00001	.004	.00010	.00029	.11	.00006
%RSD	1.9021	90.571	41.456	2.2337	.04951	.01669	1.0778	20.927	.03744	13.906
#1	.00219	-.00007	.00196	1.8505	.02948	24.874	.00890	.00117	283.67	.00038
#2	.00213	-.00030	.00359	1.9099	.02946	24.880	.00877	.00157	283.82	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04106**	**.00026**	**112.61**	**.00202**	**.00605**	**9.6051**	**20.555**	**-.00020**	**.81245**	**.00245**
Stddev	.00009	.00089	.14	.00115	.00202	.0249	.053	.00053	.00089	.00016
%RSD	.20911	344.98	.12839	56.830	33.342	.25885	.25885	266.17	.10984	6.6535
#1	.04100	.00089	112.71	.00283	.00748	9.5875	20.517	-.00057	.81182	.00233
#2	.04112	-.00037	112.51	.00121	.00463	9.6227	20.593	.00017	.81308	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00135**	**-.04755**	**.00084**	**.00378**	**.00079**
Stddev	.00004	.00033	.01807	.00001	.00018	.00050
%RSD	8.9261	24.199	38.004	.74556	4.8729	63.551
#1	-.00045	.00158	-.03477	.00084	.00365	.00115
#2	-.00039	.00112	-.06033	.00085	.00391	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7898.3**	**97954.**	**9013.1**
Stddev	13.8	237.	18.7
%RSD	.17443	.24205	.20795
#1	7908.0	98121.	8999.8
#2	7888.5	97786.	9026.3

Sample Name: 280-48831-a-2-a Acquired: 11/8/2013 0:37:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00614**	**.02667**	**.19212**	**.04345**	**-.00004**	**-.00460**	**88.119**	**.00081**	**.00162**
Stddev	.00061	.00016	.00311	.00040	.00012	.00008	.00066	.201	.00006	.00000
%RSD	320.42	2.5411	11.675	.20836	.27473	210.98	14.243	.22814	7.8180	.13681
#1	-.00024	.00603	.02887	.19183	.04336	-.00010	-.00414	88.261	.00086	.00162
#2	.00062	.00626	.02447	.19240	.04353	.00002	-.00507	87.977	.00077	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00204**	**2.6980**	**1.5059**	**.03150**	**28.273**	**2.1170**	**.00043**	**292.74**	**.00071**
Stddev	.00006	.00047	.0043	.0302	.00017	.066	.0018	.00001	1.17	.00028
%RSD	14.586	22.949	.15763	2.0080	.54541	.23374	.08449	2.4135	.39854	39.023
#1	.00035	.00238	2.6950	1.4845	.03138	28.320	2.1157	.00043	293.56	.00051
#2	.00043	.00171	2.7010	1.5273	.03162	28.226	2.1183	.00042	291.91	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15539**	**.00141**	**91.224**	**.00142**	**-.00087**	**12.797**	**27.385**	**.00056**	**.84935**	**.00314**
Stddev	.00123	.00062	.059	.00207	.00150	.000	.001	.00017	.00086	.00279
%RSD	.79103	43.857	.06453	146.62	171.06	.00208	.00208	30.588	.10158	88.806
#1	.15452	.00097	91.182	-.00005	.00018	12.797	27.386	.00044	.84996	.00117
#2	.15626	.00185	91.265	.00288	-.00193	12.797	27.385	.00068	.84874	.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00008**	W **-.05558**	**.00073**	**.00362**	**.00132**
Stddev	.00014	.00035	.05366	.00009	.00048	.00099
%RSD	265.79	408.40	96.549	12.978	13.161	74.806
#1	.00016	.00033	-.01764	.00080	.00396	.00062
#2	-.00005	-.00016	-.09353	.00066	.00328	.00202
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7910.7**	**98158.**	**8936.7**
Stddev	12.5	186.	32.8
%RSD	.15804	.18951	.36690
#1	7919.6	98290.	8959.8
#2	7901.9	98026.	8913.5

Sample Name: 280-48831-a-4-a Acquired: 11/8/2013 0:40:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00661**	**-.00121**	**.15404**	**.03154**	**-.00003**	**-.00044**	**79.962**	**.00026**	**-.00039**
Stddev	.00025	.00063	.00215	.00191	.00031	.00001	.00069	.012	.00003	.00004
%RSD	43.384	9.5212	178.17	1.2412	.98657	49.489	158.30	.01470	9.7169	10.183
#1	.00074	.00617	-.00273	.15539	.03132	-.00004	-.00092	79.970	.00025	-.00042
#2	.00039	.00706	.00031	.15269	.03176	-.00002	.00005	79.953	.00028	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**-.00047**	**.01828**	**1.6912**	**.02967**	**24.318**	**.00734**	**.00044**	**286.23**	**.00014**
Stddev	.00016	.00025	.00082	.0151	.00283	.022	.00008	.00016	.21	.00052
%RSD	5.9494	53.174	4.5074	.89052	9.5503	.09058	1.0836	36.125	.07341	367.94
#1	.00265	-.00029	.01770	1.6805	.02767	24.334	.00729	.00055	286.08	-.00022
#2	.00288	-.00064	.01887	1.7018	.03168	24.303	.00740	.00033	286.38	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05408**	**.00130**	**111.59**	**.00037**	**.00720**	**9.6980**	**20.754**	**-.00002**	**.76914**	**.00263**
Stddev	.00025	.00163	.15	.00009	.00115	.0465	.100	.00005	.00126	.00101
%RSD	.46622	125.59	.13076	25.484	15.974	.47959	.47959	252.31	.16387	38.457
#1	.05426	.00015	111.69	.00044	.00801	9.6651	20.683	.00002	.76825	.00335
#2	.05390	.00245	111.48	.00030	.00639	9.7309	20.824	-.00005	.77003	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00019**	W **-.05670**	**.00109**	**.00493**	**.00039**
Stddev	.00045	.00060	.01458	.00050	.00015	.00248
%RSD	203.31	320.53	25.708	45.775	3.1249	629.29
#1	.00010	.00061	-.06700	.00074	.00504	-.00136
#2	-.00054	-.00024	-.04639	.00144	.00482	.00215
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7861.3**	**97239.**	**8888.0**
Stddev	5.5	27.	1.1
%RSD	.07020	.02767	.01258
#1	7857.4	97220.	8887.2
#2	7865.2	97258.	8888.8

Sample Name: 280-48831-a-5-a Acquired: 11/8/2013 0:42:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199575 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00791**	**-.00016**	**.15976**	**.04582**	**-.00005**	**.00053**	**92.037**	**.00070**	**.00100**
Stddev	.00030	.00001	.00111	.00053	.00047	.00007	.00186	.164	.00002	.00001
%RSD	66.272	.07181	706.21	.33320	1.0340	139.00	351.09	.17832	3.2631	1.4736
#1	.00066	.00790	-.00094	.15939	.04548	-.00010	-.00079	92.153	.00072	.00101
#2	.00024	.00791	.00063	.16014	.04615	.00000	.00185	91.921	.00069	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00190**	**.03940**	**2.0572**	**.03548**	**28.898**	**.46826**	**.00070**	**307.82**	**.00191**
Stddev	.00008	.00002	.00102	.0168	.00298	.026	.00096	.00036	1.15	.00009
%RSD	8.2534	1.0859	2.5975	.81707	8.3944	.09078	.20560	51.313	.37220	4.6825
#1	.00103	.00188	.03867	2.0453	.03338	28.879	.46758	.00045	308.63	.00197
#2	.00092	.00191	.04012	2.0691	.03759	28.917	.46894	.00095	307.01	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16080**	**.00105**	**94.657**	**-.00156**	**.00068**	**10.111**	**21.637**	**-.00002**	**.92151**	**.00444**
Stddev	.00440	.00141	.212	.00189	.00174	.003	.007	.00027	.00057	.00128
%RSD	2.7356	134.74	.22409	121.13	254.92	.03065	.03065	1326.6	.06151	28.873
#1	.15769	.00204	94.507	-.00022	.00191	10.113	21.642	-.00021	.92192	.00534
#2	.16391	.00005	94.807	-.00290	-.00055	10.108	21.632	.00017	.92111	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00052**	W **-.08306**	**.00187**	**.00472**	**.00299**
Stddev	.00019	.00139	.00716	.00030	.00035	.00343
%RSD	45.487	269.91	8.6204	16.213	7.4292	114.76
#1	-.00057	.00150	-.08812	.00166	.00447	.00056
#2	-.00029	-.00047	-.07799	.00209	.00497	.00542
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7723.5**	**95649.**	**8807.4**
Stddev	.0	647.	54.0
%RSD	.00036	.67693	.61287
#1	7723.6	96107.	8769.2
#2	7723.5	95191.	8845.6

Sample Name: CCVH-2357613 Acquired: 11/8/2013 0:45:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00480**	**48.457**	k **-.00305**	k **.00567**	k **.00062**	k **-.00011**	kF **.87069**	k **-.02796**	k **-.00132**	k **.00079**	k **-.00085**
Stddev	.00005	.264	.00157	.00053	.00008	.00002	.00141	.00106	.00010	.00001	.00003
%RSD	1.0795	.54548	51.408	9.4012	13.595	20.241	.16230	3.7996	7.8810	1.4779	3.0051
#1	k .00476	48.644	k -.00416	k .00605	k .00068	k -.00009	k .86969	k -.02721	k -.00139	k .00080	k -.00083
#2	k .00484	48.270	k -.00194	k .00529	k .00056	k -.00013	k .87169	k -.02871	k -.00124	k .00078	k -.00087
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01484**	F **44.750**	**.19661**	k **.00143**	k **-.28373**	k **-.00122**	k **-.00139**	**245.39**	k **.00125**	k **.00639**	k **.01043**
Stddev	.00001	.134	.05185	.00121	.00238	.00001	.00025	.49	.00003	.00136	.00026
%RSD	.04646	.29875	26.371	84.521	.83768	.77077	17.654	.19881	2.1162	21.239	2.5283
#1	k .01485	44.656	.23327	k .00057	k -.28205	k -.00122	k -.00122	245.73	k .00127	k .00735	k .01024
#2	k .01484	44.845	.15995	k .00228	k -.28541	k -.00121	k -.00156	245.04	k .00123	k .00543	k .01061
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9208**	k **.00439**	k **-.00180**	k **.01753**	k **.03751**	k **.00158**	**.00041**	k **5.2303**	k **.01315**	k **-.00170**	kW **10.845**
Stddev	.0224	.00167	.00280	.00335	.00716	.00069	.00006	.0050	.00055	.00087	.001
%RSD	.45481	38.140	155.39	19.097	19.097	43.668	14.349	.09533	4.1532	51.380	.00941
#1	k 4.9050	k .00558	k .00018	k .01516	k .03244	k .00207	.00037	k 5.2268	k .01276	k -.00108	k 10.846
#2	k 4.9366	k .00321	k -.00379	k .01989	k .04257	k .00109	.00045	k 5.2338	k .01353	k -.00232	k 10.845
Check ?	Chk Pass	None	None	None	None	None	None	Chk Pass	None	None	Chk Warn
Value											10.000
Range											5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00201**	k **.00226**	k **.20921**
Stddev	.00035	.00012	.00012
%RSD	17.588	5.2006	.05718
#1	k .00176	k .00218	k .20912
#2	k .00227	k .00235	k .20929
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7852.4**	**96905.**	**8494.0**
Stddev	4.6	50.	14.4
%RSD	.05800	.05131	.16931
#1	7849.1	96940.	8504.2
#2	7855.6	96870.	8483.9

Sample Name: CCV-2357614 Acquired: 11/8/2013 0:47:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50154**	**.54192**	**.95507**	**.49134**	**.52875**	**.48600**	**.00434**	**4.8353**	**.50826**	**.51688**	**.47605**	**.51845**	**2.3300**
Stddev	.00018	.00025	.00025	.00279	.00047	.00057	.00287	.0033	.00195	.00258	.00202	.00030	.0098
%RSD	.03544	.04637	.02573	.56749	.08908	.11754	66.230	.06738	.38278	.49892	.42421	.05741	.41967
#1	.50166	.54174	.95525	.48937	.52842	.48640	.00637	4.8377	.50689	.51506	.47462	.51866	2.3369
#2	.50141	.54209	.95490	.49331	.52909	.48559	.00231	4.8330	.50964	.51870	.47748	.51824	2.3231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.122**	**.99297**	**19.000**	**.51647**	**.45950**	F **5.5647**	**.48870**	**.93809**	**1.0133**	**.02192**	**1.0544**	**.96807**	**4.6248**
Stddev	.046	.00431	.009	.00080	.00154	.0578	.00094	.00022	.0040	.00229	.0077	.00605	.0017
%RSD	.09232	.43416	.04793	.15469	.33591	1.0388	.19288	.02392	.39047	10.423	.73380	.62525	.03565
#1	50.155	.98992	19.007	.51704	.45841	5.6056	.48803	.93825	1.0105	.02031	1.0490	.96379	4.6236
#2	50.090	.99602	18.994	.51591	.46059	5.5239	.48937	.93793	1.0161	.02354	1.0599	.97235	4.6259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8970**	**.93375**	**.51131**	**.00167**	**.52811**	**1.0575**	**-.08091**	**.49825**	**.47422**	**.50093**
Stddev	.0035	.00537	.00031	.00039	.00099	.0084	.01536	.00090	.00138	.00051
%RSD	.03565	.57528	.06114	23.249	.18707	.79385	18.991	.17967	.29131	.10122
#1	9.8945	.92995	.51109	.00195	.52881	1.0515	-.07004	.49888	.47325	.50057
#2	9.8995	.93755	.51153	.00140	.52741	1.0634	-.09177	.49761	.47520	.50128
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8042.5**	**99932.**	**8614.1**
Stddev	35.8	239.	28.8
%RSD	.44451	.23937	.33416
#1	8067.8	99763.	8593.7
#2	8017.3	100100.	8634.4

Sample Name: CCB Acquired: 11/8/2013 0:49:35 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00063**	**.00096**	**.00205**	**.00058**	**.00000**	**.00004**	**-.00527**	**-.00008**	**.00032**	**-.00003**
Stddev	.00003	.00049	.00143	.00066	.00005	.0001	.00238	.00018	.00003	.00012	.00006
%RSD	3.7721	77.888	149.69	32.420	9.0339	1032.3	6590.1	3.4642	35.739	37.280	193.13
#1	.00090	.00097	-.00006	.00252	.00061	.00003	-.00164	-.00514	-.00010	.00041	-.00007
#2	.00086	.00028	.00197	.00158	.00054	-.00004	.00172	-.00540	-.00006	.00024	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00160**	**-.00298**	**.06806**	**-.00044**	**.00801**	**.00012**	**.00039**	F **.29875**	**.00004**	**.00092**	**.00086**
Stddev	.00076	.00031	.08239	.00368	.00932	.00011	.00007	.01294	.00056	.00098	.00046
%RSD	47.827	10.415	121.06	829.97	116.44	88.852	18.442	4.3320	1496.6	106.66	53.606
#1	-.00214	-.00320	.00980	.00216	.01460	.00020	.00034	.30790	-.00036	.00161	.00118
#2	-.00106	-.00276	.12632	-.00305	.00141	.00005	.00045	.28960	.00044	.00023	.00053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02084**	W **.00415**	**.00148**	**-.01681**	**-.03596**	**.00131**	**.00010**	**.00485**	**-.00017**	**.00098**	F **-.06160**
Stddev	.00633	.00159	.00197	.01314	.02811	.00020	.00015	.00011	.00011	.00134	.01849
%RSD	30.384	38.398	132.84	78.169	78.169	15.328	152.37	2.3045	64.376	136.49	30.016
#1	.02532	.00528	.00288	-.02610	-.05584	.00117	.00021	.00477	-.00025	.00192	-.04852
#2	.01636	.00302	.00009	-.00752	-.01609	.00145	-.00001	.00493	-.00009	.00003	-.07467
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00013**	**.00387**	**-.00058**
Stddev	.00038	.00015	.00082
%RSD	294.42	3.8172	140.54
#1	.00014	.00376	-.00116
#2	-.00039	.00397	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7965.8**	**100900.**	**8476.4**
Stddev	5.9	158.	12.3
%RSD	.07370	.15626	.14560
#1	7969.9	100790.	8467.7
#2	7961.6	101010.	8485.1

Sample Name: CCVL-2363703 Acquired: 11/8/2013 0:51:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01105**	**.11597**	**.01412**	**.10041**	**.01137**	**.00094**	**.11593**	**.19833**	**.00523**	**.01123**	**.00990**	**.01469**	**.09427**
Stddev	.00036	.00040	.00158	.00014	.00015	.00007	.00092	.00594	.00004	.00005	.00014	.00041	.00087
%RSD	3.2196	.34147	11.201	.14224	1.3204	7.1492	.78988	2.9936	.75985	.44987	1.3777	2.8075	.92076
#1	.01130	.11625	.01300	.10052	.01127	.00089	.11528	.19414	.00520	.01127	.00981	.01440	.09366
#2	.01079	.11569	.01523	.10031	.01148	.00098	.11658	.20253	.00526	.01120	.01000	.01498	.09488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1981**	**.01104**	**.20650**	**.01078**	**.01821**	F **1.3217**	**.04138**	**2.8066**	**.01142**	**.01497**	**.01153**	**.01557**	**.46287**
Stddev	.0428	.00151	.00131	.00008	.00022	.0113	.00037	.0042	.00133	.00199	.00136	.00059	.01251
%RSD	1.3384	13.684	.63509	.72111	1.2033	.85364	.88609	.14817	11.605	13.303	11.772	3.8093	2.7019
#1	3.1678	.01210	.20743	.01083	.01805	1.3137	.04112	2.8037	.01236	.01356	.01249	.01599	.45403
#2	3.2283	.00997	.20557	.01072	.01836	1.3297	.04164	2.8096	.01048	.01637	.01057	.01515	.47171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99054**	**.09657**	**.01059**	**.01888**	**.01042**	**.01823**	**.05277**	**.01011**	**.02245**	**.01546**
Stddev	.02676	.00008	.00025	.00050	.00003	.00143	.02212	.00018	.00060	.00040
%RSD	2.7019	.08244	2.3256	2.6577	.27991	7.8362	41.922	1.7851	2.6525	2.6036
#1	.97162	.09662	.01042	.01852	.01040	.01722	.06841	.00998	.02202	.01517
#2	1.0095	.09651	.01077	.01923	.01044	.01924	.03713	.01023	.02287	.01574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8306.3**	**103620.**	**8732.2**
Stddev	11.5	176.	55.8
%RSD	.13809	.16983	.63953
#1	8298.2	103750.	8692.7
#2	8314.4	103500.	8771.7

Sample Name: mb 280-199525/1-b Acquired: 11/8/2013 0:54:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00333**	**.00264**	**.00133**	**.00052**	**-.00011**	**.00198**	**.00201**	**.00008**	**-.00005**
Stddev	.00058	.00029	.00030	.00034	.00043	.00002	.00123	.00420	.00015	.00015
%RSD	157.27	8.6318	11.291	25.316	82.465	23.596	62.241	208.82	191.32	271.88
#1	.00078	.00313	.00243	.00109	.00082	-.00009	.00286	.00498	-.00003	.00005
#2	-.00004	.00353	.00285	.00157	.00022	-.00012	.00111	-.00096	.00019	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00113**	**.00598**	**.03262**	**.00227**	**.00215**	W **.00037**	**-.00010**	W **.26490**	**.00045**
Stddev	.00014	.00001	.00148	.05718	.00170	.00296	.00000	.00010	.00002	.00021
%RSD	55.740	1.2434	24.715	175.31	75.026	137.63	.62921	101.35	.00917	46.483
#1	.00034	-.00112	.00493	.07305	.00347	.00424	.00037	-.00017	.26492	.00030
#2	.00015	-.00114	.00702	-.00782	.00107	.00006	.00037	-.00003	.26488	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00028**	F **.01505**	**.00231**	**-.00303**	F **-.02034**	**-.04352**	**-.00015**	**.00003**	W **.00552**
Stddev	.00019	.00022	.00028	.00096	.00013	.01779	.03808	.00016	.00003	.00056
%RSD	43.140	78.291	1.8439	41.430	4.1854	87.497	87.497	108.70	91.236	10.091
#1	-.00030	.00013	.01524	.00298	-.00294	-.03292	-.07045	-.00003	.00006	.00513
#2	-.00056	.00044	.01485	.00163	-.00312	-.00775	-.01659	-.00026	.00001	.00592
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00015**	**-.00765**	**-.00026**	**.00325**	**-.00124**
Stddev	.00003	.00029	.01885	.00055	.00001	.00062
%RSD	7.4044	192.75	246.27	215.06	.31930	50.304
#1	-.00039	.00036	-.02098	.00013	.00326	-.00168
#2	-.00044	-.00006	.00567	-.00065	.00325	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8295.6**	**104730.**	**8836.7**
Stddev	12.3	230.	39.6
%RSD	.14837	.22003	.44867
#1	8304.3	104560.	8808.7
#2	8286.9	104890.	8864.8

Sample Name: lcs 280-199525/2-b Acquired: 11/8/2013 0:56:29 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04973	2.0669	.95282	.98702	2.1375	.04841	2.0125	47.517	.10561	.50617
Stddev	.00017	.0006	.00093	.00223	.0047	.00000	.0033	.168	.00070	.00128
%RSD	.34086	.03022	.09786	.22579	.21959	.00781	.16211	.35377	.66245	.25189
#1	.04961	2.0674	.95348	.98545	2.1408	.04841	2.0148	47.636	.10611	.50527
#2	.04985	2.0665	.95217	.98860	2.1341	.04842	2.0102	47.398	.10512	.50707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19016	.26254	.92438	50.673	.99700	47.148	.51331	.92324	50.473	.47534
Stddev	.00034	.00012	.00736	.118	.00099	.153	.00008	.00039	.794	.00013
%RSD	.17809	.04668	.79650	.23352	.09887	.32394	.01545	.04246	1.5734	.02718
#1	.19040	.26246	.92958	50.757	.99630	47.256	.51337	.92352	51.034	.47525
#2	.18992	.26263	.91917	50.589	.99770	47.040	.51326	.92296	49.911	.47544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.4601	.48953	.00479	.52528	1.9477	9.3368	19.981	1.8472	1.0275	1.0353
Stddev	.0003	.00221	.00289	.00179	.0113	.0048	.010	.0026	.0043	.0015
%RSD	.00260	.45145	60.298	.34007	.57766	.05155	.05155	.13816	.41450	.14463
#1	9.4600	.49109	.00275	.52402	1.9398	9.3334	19.973	1.8454	1.0305	1.0364
#2	9.4603	.48797	.00684	.52655	1.9557	9.3402	19.988	1.8490	1.0245	1.0342
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0788	2.0288	2.2541	.50479	.46726	.51519
Stddev	.0006	.0030	.0007	.00096	.00056	.00312
%RSD	.05261	.14613	.03016	.19025	.11899	.60503
#1	1.0784	2.0267	2.2536	.50411	.46765	.51739
#2	1.0792	2.0309	2.2546	.50547	.46686	.51299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8031.5	99278.	8760.9
Stddev	24.8	436.	46.9
%RSD	.30853	.43883	.53482
#1	8014.0	98970.	8794.1
#2	8049.0	99586.	8727.8

Sample Name: 280-48811-b-1-b Acquired: 11/8/2013 0:58:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00480**	**-.00045**	**.34923**	**.19994**	**-.00001**	**-.00187**	**84.889**	**.00023**	**-.00006**
Stddev	.00046	.00057	.00087	.00185	.00047	.00002	.00153	.048	.00019	.00001
%RSD	54.565	11.806	191.22	.53013	.23338	266.77	82.034	.05671	83.104	20.359
#1	.00052	.00440	.00016	.35054	.19961	.00001	-.00295	84.924	.00036	-.00005
#2	.00116	.00520	-.00107	.34792	.20027	-.00002	-.00078	84.855	.00009	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00172**	**.00307**	**5.2533**	**.01712**	**19.339**	**.03466**	**.00267**	**65.208**	**.00557**
Stddev	.00000	.00068	.00259	.0283	.00101	.030	.00000	.00007	.169	.00007
%RSD	1.2034	39.801	84.140	.53930	5.8751	.15376	.00921	2.4902	.25880	1.3252
#1	.00027	.00123	.00124	5.2333	.01783	19.318	.03466	.00271	65.088	.00563
#2	.00028	.00220	.00490	5.2733	.01641	19.360	.03466	.00262	65.327	.00552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.00017**	**28.201**	**.00414**	**-.00095**	**6.6647**	**14.263**	**.00038**	**.90322**	**.00400**
Stddev	.00013	.00072	.010	.00111	.00245	.0452	.097	.00014	.00101	.00224
%RSD	1.3669	437.34	.03561	26.745	257.17	.67810	.67810	37.676	.11142	55.951
#1	.00958	.00068	28.194	.00492	.00078	6.6328	14.194	.00028	.90393	.00242
#2	.00940	-.00035	28.208	.00335	-.00269	6.6967	14.331	.00048	.90251	.00558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00050**	**-.00826**	**.00042**	**.02075**	**.00398**
Stddev	.00042	.00049	.03181	.00059	.00016	.00057
%RSD	400.02	98.849	384.95	139.07	.79187	14.337
#1	-.00041	.00084	.01423	.00001	.02086	.00358
#2	.00019	.00015	-.03076	.00084	.02063	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8039.4**	**100830.**	**9042.3**
Stddev	23.3	503.	43.9
%RSD	.29005	.49862	.48512
#1	8055.9	101180.	9011.3
#2	8023.0	100470.	9073.4

Sample Name: 280-48811-b-1-bSD@5 Acquired: 11/8/2013 1:00:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.01089**	**-.00013**	**.07183**	**.04192**	**-.00006**	**.00203**	**17.583**	**.00000**	**-.00002**
Stddev	.00027	.00013	.00269	.00022	.00013	.00000	.00121	.011	.0000	.00011
%RSD	141.38	1.1942	2011.9	.31108	.32158	.19465	59.768	.06502	1727.7	670.57
#1	.00000	.01080	.00177	.07199	.04202	-.00006	.00117	17.575	.00002	.00006
#2	.00038	.01098	-.00204	.07167	.04183	-.00006	.00288	17.591	-.00003	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00102**	**.01278**	**1.1337**	**.00313**	**4.0857**	**.00740**	**.00052**	**13.912**	**.00143**
Stddev	.00006	.00014	.00214	.0191	.00020	.0070	.00005	.00001	.071	.00021
%RSD	28.456	13.308	16.716	1.6848	6.4161	.17247	.70532	2.0091	.51022	15.030
#1	.00025	-.00093	.01127	1.1473	.00328	4.0807	.00736	.00053	13.862	.00128
#2	.00017	-.00112	.01429	1.1202	.00299	4.0906	.00744	.00051	13.962	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**.00036**	**5.6523**	**.00100**	**-.00194**	**1.3494**	**2.8876**	**.00229**	**.18712**	**.00395**
Stddev	.00087	.00003	.0097	.00170	.00167	.0160	.0343	.00026	.00009	.00219
%RSD	42.343	9.1962	.17069	171.07	85.936	1.1873	1.1873	11.192	.05050	55.480
#1	.00143	.00034	5.6454	.00220	-.00312	1.3607	2.9119	.00211	.18719	.00550
#2	.00266	.00039	5.6591	-.00021	-.00076	1.3380	2.8634	.00247	.18705	.00240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**-.00067**	**-.03287**	**-.00026**	**.00932**	**-.00025**
Stddev	.00010	.00075	.03400	.00013	.00016	.00021
%RSD	23.238	113.00	103.43	49.419	1.6925	82.912
#1	-.00052	-.00120	-.05691	-.00017	.00943	-.00040
#2	-.00038	-.00013	-.00883	-.00035	.00921	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8241.1**	**103670.**	**8960.6**
Stddev	8.4	336.	13.1
%RSD	.10149	.32447	.14625
#1	8235.2	103440.	8969.8
#2	8247.0	103910.	8951.3

Sample Name: 280-48811-b-1-c ms Acquired: 11/8/2013 1:03:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04879**	**1.9717**	**.94879**	**1.2966**	**2.2789**	**.04711**	F **1.9524**	**129.43**	**.10391**	**.48629**
Stddev	.00054	.0030	.00009	.0011	.0026	.00001	.0048	.16	.00066	.00022
%RSD	1.0965	.15356	.00987	.08630	.11346	.03128	.24746	.12492	.63403	.04471
#1	.04841	1.9738	.94886	1.2974	2.2771	.04710	1.9558	129.54	.10345	.48644
#2	.04917	1.9695	.94873	1.2958	2.2807	.04712	1.9490	129.31	.10438	.48613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18501**	**.25893**	**.89897**	**54.889**	**.99387**	**64.806**	**.53043**	**.89969**	**114.03**	**.46450**
Stddev	.00017	.00084	.00041	.089	.00221	.052	.00047	.00114	.46	.00019
%RSD	.09120	.32464	.04569	.16179	.22219	.08064	.08802	.12716	.40410	.04019
#1	.18513	.25952	.89926	54.952	.99231	64.843	.53010	.90050	113.70	.46463
#2	.18489	.25833	.89868	54.826	.99543	64.769	.53076	.89888	114.35	.46437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.4403**	**.46819**	**27.953**	**.51139**	**1.9093**	**15.729**	**33.660**	**1.7806**	**1.9016**	**1.0160**
Stddev	.0223	.00186	.036	.00077	.0012	.022	.048	.0037	.0010	.0023
%RSD	.23598	.39649	.12789	.15066	.06405	.14121	.14121	.20512	.05007	.22418
#1	9.4560	.46950	27.978	.51084	1.9084	15.713	33.626	1.7832	1.9009	1.0144
#2	9.4245	.46687	27.928	.51193	1.9102	15.745	33.694	1.7780	1.9022	1.0176
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0459**	**1.9086**	**2.1913**	**.49228**	**.46708**	**.49690**
Stddev	.0014	.0013	.0231	.00113	.00073	.00325
%RSD	.13756	.06818	1.0552	.23045	.15543	.65439
#1	1.0449	1.9095	2.1749	.49148	.46657	.49920
#2	1.0469	1.9077	2.2076	.49308	.46760	.49460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7927.4**	**98576.**	**8923.2**
Stddev	6.2	51.	35.6
%RSD	.07850	.05158	.39916
#1	7931.8	98612.	8898.0
#2	7923.0	98540.	8948.3

Sample Name: 280-48811-b-1-d msd Acquired: 11/8/2013 1:05:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04791**	**1.9763**	**.94684**	**1.3053**	**2.2939**	**.04727**	F **1.9618**	**131.11**	**.10362**	**.48860**
Stddev	.00015	.0003	.00098	.0003	.0018	.00002	.0030	.00	.00026	.00006
%RSD	.30611	.01624	.10342	.02587	.07657	.04033	.15388	.00344	.25510	.01159
#1	.04801	1.9760	.94615	1.3056	2.2926	.04728	1.9597	131.12	.10343	.48864
#2	.04780	1.9765	.94754	1.3051	2.2951	.04725	1.9640	131.11	.10381	.48856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18487**	**.26075**	**.90668**	**55.053**	**1.0008**	**64.946**	**.53200**	**.89993**	**115.14**	**.46293**
Stddev	.00036	.00078	.00556	.077	.0015	.134	.00024	.00083	.34	.00109
%RSD	.19621	.29743	.61364	.14071	.14992	.20603	.04492	.09272	.29126	.23471
#1	.18461	.26020	.90275	55.108	.99974	65.041	.53217	.89934	114.90	.46216
#2	.18512	.26130	.91062	54.998	1.0019	64.852	.53184	.90052	115.37	.46370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.4387**	**.46874**	**28.441**	**.51273**	**1.9129**	**15.930**	**34.090**	**1.7740**	**1.9221**	**1.0178**
Stddev	.0115	.00122	.055	.00164	.0085	.083	.178	.0025	.0018	.0009
%RSD	.12137	.26049	.19478	.32028	.44227	.52144	.52144	.14287	.09248	.08546
#1	9.4468	.46788	28.480	.51389	1.9189	15.871	33.964	1.7723	1.9208	1.0185
#2	9.4306	.46960	28.402	.51157	1.9069	15.988	34.215	1.7758	1.9234	1.0172
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0509**	**1.9113**	**2.2395**	**.49446**	**.46555**	**.50160**
Stddev	.0004	.0005	.0180	.00063	.00179	.00623
%RSD	.03852	.02723	.80209	.12676	.38430	1.2413
#1	1.0512	1.9109	2.2268	.49490	.46681	.49720
#2	1.0506	1.9117	2.2522	.49401	.46428	.50601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7949.2**	**98554.**	**8950.6**
Stddev	21.9	2.	83.1
%RSD	.27505	.00239	.92819
#1	7964.6	98553.	8891.8
#2	7933.7	98556.	9009.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 1:07:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00485**	**48.050**	k **-.00024**	k **.00839**	k **.00069**	k **-.00009**	kF **.86604**	k **-.02460**	k **-.00133**	k **.00096**	k **-.00100**
Stddev	.00056	.187	.00419	.00104	.00002	.00004	.00711	.00082	.00013	.00021	.00008
%RSD	11.608	.38921	1778.5	12.404	2.2236	44.172	.82042	3.3423	9.9695	21.348	7.8275
#1	k .00445	47.918	k .00273	k .00912	k .00070	k -.00012	k .87107	k -.02518	k -.00143	k .00082	k -.00106
#2	k .00525	48.183	k -.00320	k .00765	k .00068	k -.00006	k .86102	k -.02402	k -.00124	k .00111	k -.00095
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01389**	F **44.105**	**.18274**	k **.00191**	k **-.28572**	k **-.00126**	k **-.00116**	**244.24**	k **.00166**	k **.00381**	k **.00956**
Stddev	.00019	.078	.01130	.00441	.00301	.00002	.00020	.33	.00035	.00016	.00022
%RSD	1.3926	.17705	6.1822	230.55	1.0537	1.3443	17.528	.13680	20.870	4.2826	2.2988
#1	k .01402	44.050	.19073	k -.00120	k -.28785	k -.00127	k -.00101	244.00	k .00141	k .00392	k .00972
#2	k .01375	44.160	.17475	k .00503	k -.28359	k -.00124	k -.00130	244.48	k .00190	k .00369	k .00941
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9518**	k **.00421**	k **-.00235**	k **.00075**	k **.00160**	k **.00130**	**.00057**	kW **5.2646**	k **.01419**	k **-.00085**	kW **10.907**
Stddev	.0185	.00017	.00275	.01147	.02455	.00078	.00008	.0002	.00049	.00013	.050
%RSD	.37365	4.0815	116.73	1533.0	1533.0	60.163	14.355	.00410	3.4645	14.776	.45820
#1	k 4.9649	k .00408	k -.00430	k -.00736	k -.01576	k .00075	.00063	k 5.2645	k .01454	k -.00094	k 10.872
#2	k 4.9387	k .00433	k -.00041	k .00886	k .01896	k .00185	.00051	k 5.2648	k .01384	k -.00076	k 10.942
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00060**	k **.00245**	k **.20838**
Stddev	.00125	.00021	.00046
%RSD	207.77	8.3885	.22216
#1	k .00148	k .00259	k .20871
#2	k -.00028	k .00230	k .20805
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.7**	**99375.**	**8856.6**
Stddev	23.9	127.	65.6
%RSD	.29786	.12746	.74085
#1	8012.8	99286.	8903.0
#2	8046.6	99465.	8810.2

Sample Name: CCV-2357614 Acquired: 11/8/2013 1:09:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50083**	**.54264**	**.95312**	**.49803**	**.53304**	**.48566**	**.00264**	**4.8236**	**.51209**	**.51849**	**.47626**	**.52183**	**2.3363**
Stddev	.00138	.00092	.00050	.00015	.00071	.00000	.00130	.0096	.00001	.00073	.00027	.00040	.0125
%RSD	.27600	.16919	.05248	.03014	.13379	.00061	49.079	.19911	.00101	.14050	.05579	.07634	.53369
#1	.49986	.54199	.95277	.49814	.53254	.48566	.00356	4.8168	.51210	.51797	.47645	.52211	2.3275
#2	.50181	.54329	.95347	.49793	.53355	.48567	.00173	4.8304	.51209	.51900	.47608	.52155	2.3451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.979**	**1.0011**	**18.868**	**.51722**	**.46016**	**5.4558**	**.49012**	**.93501**	**1.0174**	**.00731**	**1.0599**	**.97609**	**4.6054**
Stddev	.028	.0019	.012	.00025	.00116	.0019	.00306	.00164	.0012	.00247	.0018	.00079	.0402
%RSD	.05580	.19317	.06145	.04760	.25143	.03535	.62469	.17568	.11793	33.776	.16532	.08096	.87214
#1	49.959	1.0024	18.860	.51705	.45934	5.4571	.48796	.93385	1.0183	.00556	1.0587	.97553	4.5770
#2	49.998	.99971	18.876	.51740	.46098	5.4544	.49229	.93617	1.0166	.00905	1.0612	.97665	4.6338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8556**	**.92694**	**.51418**	**.00182**	**.53063**	**1.0598**	**-.05229**	**.49645**	**.47240**	**.50693**
Stddev	.0859	.00311	.00079	.00050	.00065	.0019	.02623	.00165	.00041	.00441
%RSD	.87214	.33568	.15417	27.490	.12306	.17703	50.169	.33309	.08637	.87014
#1	9.7948	.92474	.51474	.00147	.53109	1.0584	-.03374	.49762	.47268	.50381
#2	9.9163	.92914	.51362	.00218	.53017	1.0611	-.07084	.49528	.47211	.51005
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8177.0**	**102010.**	**8883.9**
Stddev	5.4	106.	8.7
%RSD	.06543	.10368	.09837
#1	8173.2	102080.	8890.1
#2	8180.7	101930.	8877.7

Sample Name: CCB Acquired: 11/8/2013 1:12:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00128**	**.00094**	**.00337**	**.00041**	**-.00004**	**.00134**	**-.00213**	**-.00001**	**.00004**	**.00004**
Stddev	.00026	.00098	.00035	.00017	.00012	.00003	.00109	.00207	.00010	.00011	.00006
%RSD	94.946	76.819	37.473	5.0214	30.156	69.394	81.388	97.286	1220.7	238.24	155.13
#1	.00009	.00058	.00119	.00325	.00032	-.00002	.00057	-.00066	.00006	-.00003	.00000
#2	.00045	.00197	.00069	.00349	.00050	-.00006	.00212	-.00359	-.00008	.00012	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00210**	**-.00160**	**.08647**	W **.00263**	**.00096**	**.00004**	**.00036**	F **.21517**	**.00019**	**.00143**	**.00074**
Stddev	.00045	.00068	.03054	.00310	.00056	.00008	.00015	.00598	.00022	.00073	.00020
%RSD	21.185	42.633	35.323	117.91	57.948	204.74	41.921	2.7808	114.05	51.084	27.247
#1	-.00179	-.00112	.06487	.00044	.00057	.00010	.00025	.21941	.00004	.00194	.00088
#2	-.00242	-.00209	.10806	.00482	.00135	-.00002	.00047	.21094	.00034	.00091	.00060
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261				.18320			
Low Limit	-.00136			-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	W **.00494**	**.00016**	**-.01653**	**-.03537**	**.00043**	**.00015**	**.00684**	**-.00051**	**-.00141**	**-.02916**
Stddev	.00184	.00239	.00360	.00270	.00577	.00079	.00004	.00016	.00028	.00068	.02367
%RSD	15.465	48.435	2190.4	16.324	16.324	182.70	26.703	2.3215	55.376	48.094	81.188
#1	.01059	.00663	-.00238	-.01844	-.03945	.00099	.00018	.00696	-.00031	-.00093	-.01242
#2	.01319	.00325	.00271	-.01462	-.03129	-.00013	.00013	.00673	-.00071	-.00189	-.04590
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00020**	**.00359**	**.00085**
Stddev	.00038	.00025	.00121
%RSD	191.50	6.8742	141.59
#1	-.00007	.00341	.00171
#2	.00046	.00376	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8169.2**	**103120.**	**8775.5**
Stddev	4.2	398.	12.1
%RSD	.05089	.38637	.13779
#1	8166.2	102840.	8784.0
#2	8172.1	103400.	8766.9

Sample Name: CCVL2363703 Acquired: 11/8/2013 1:14:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01144**	**.11684**	**.01600**	**.10217**	**.01096**	**.00092**	**.11705**	**.20575**	**.00533**	**.01136**	**.01001**	**.01512**	**.09596**
Stddev	.00008	.00036	.00092	.00006	.00011	.00008	.00128	.00966	.00003	.00008	.00001	.00017	.00235
%RSD	.68942	.30931	5.7790	.05612	1.0211	8.4145	1.0904	4.6936	.51916	.68195	.11031	1.1217	2.4519
#1	.01149	.11709	.01666	.10212	.01088	.00097	.11615	.21258	.00531	.01141	.01000	.01524	.09763
#2	.01138	.11658	.01535	.10221	.01104	.00086	.11795	.19892	.00535	.01130	.01002	.01500	.09430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1755**	**.01273**	**.20245**	**.01085**	**.01840**	**1.2894**	**.04121**	**2.8198**	**.01035**	**.01049**	**.01279**	**.01472**	**.45477**
Stddev	.0187	.00043	.00347	.00007	.00001	.0022	.00008	.0005	.00074	.00047	.00033	.00201	.00053
%RSD	.58998	3.3761	1.7154	.61560	.04452	.17374	.20455	.01863	7.1773	4.5136	2.5615	13.674	.11592
#1	3.1622	.01243	.20491	.01081	.01840	1.2910	.04115	2.8194	.01088	.01083	.01302	.01615	.45514
#2	3.1887	.01303	.19999	.01090	.01839	1.2879	.04127	2.8202	.00983	.01016	.01255	.01330	.45440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97321**	**.09692**	**.01081**	F **.01994**	**.01042**	**.01745**	F **.04155**	**.01006**	**.02174**	**.01813**
Stddev	.00113	.00026	.00008	.00023	.00008	.00085	.01822	.00012	.00011	.00187
%RSD	.11592	.26527	.77270	1.1758	.75626	4.8837	43.840	1.2398	.51106	10.286
#1	.97401	.09674	.01087	.02011	.01037	.01805	.02867	.01015	.02167	.01681
#2	.97241	.09710	.01075	.01978	.01048	.01685	.05443	.00997	.02182	.01945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01500			.06000			
Range				30.000%			-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8441.9**	**106450.**	**9029.4**
Stddev	14.0	80.	59.2
%RSD	.16530	.07514	.65509
#1	8432.0	106400.	9071.2
#2	8451.8	106510.	8987.6

Sample Name: 280-48776-d-1-b Acquired: 11/8/2013 1:16:39 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00388**	**.00088**	**.01561**	**.97403**	**-.00003**	**.00182**	**48.826**	**.00007**	**-.00031**
Stddev	.00014	.00000	.00072	.00088	.00123	.00011	.00079	.036	.00019	.00009
%RSD	46.746	.02114	81.555	5.6219	.12675	371.31	43.149	.07366	260.28	29.134
#1	.00020	.00387	.00037	.01499	.97316	.00005	.00127	48.851	.00020	-.00025
#2	.00040	.00388	.00139	.01623	.97491	-.00010	.00238	48.800	-.00006	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00067**	**.03059**	**2.9178**	**.01191**	**9.0854**	**.12255**	**.00108**	**23.983**	**.00033**
Stddev	.00008	.00045	.00046	.0100	.00152	.0128	.00004	.00007	.331	.00000
%RSD	42.662	67.190	1.4946	.34088	12.802	.14086	.03306	6.3543	1.3808	1.3898
#1	.00013	-.00035	.03027	2.9107	.01083	9.0763	.12252	.00112	24.217	.00033
#2	.00025	-.00099	.03092	2.9248	.01299	9.0944	.12258	.00103	23.749	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**.00006**	**4.1617**	**-.00069**	**-.00138**	**5.5462**	**11.869**	**.00015**	**1.7478**	**.00374**
Stddev	.00233	.00030	.0227	.00299	.00187	.0071	.015	.00024	.0000	.00070
%RSD	64.427	533.85	.54480	432.66	135.54	.12878	.12878	158.09	.00152	18.794
#1	.00197	-.00016	4.1456	.00142	-.00006	5.5512	11.880	-.00002	1.7478	.00424
#2	.00526	.00027	4.1777	-.00280	-.00271	5.5411	11.858	.00032	1.7478	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00002**	**-.03720**	**-.00008**	**.00376**	**.00171**
Stddev	.00013	.00059	.01105	.00044	.00005	.00077
%RSD	52.058	3367.6	29.714	526.47	1.3665	44.775
#1	-.00015	.00040	-.04502	-.00040	.00380	.00117
#2	-.00033	-.00044	-.02939	.00023	.00372	.00225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.1**	**103070.**	**9021.1**
Stddev	12.4	374.	14.7
%RSD	.15090	.36239	.16283
#1	8187.4	102810.	9031.5
#2	8204.9	103340.	9010.7

Sample Name: 280-48776-d-2-b Acquired: 11/8/2013 1:19:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00498**	**.00240**	**.03371**	**.08590**	**-.00004**	**-.00053**	**126.12**	**.00051**	**.00024**
Stddev	.00013	.00155	.00038	.00019	.00067	.00006	.00235	.35	.00013	.00014
%RSD	12.581	31.118	15.986	.56853	.78444	136.75	442.44	.28009	26.002	57.371
#1	.00093	.00608	.00213	.03384	.08543	-.00009	-.00220	126.37	.00041	.00034
#2	.00111	.00389	.00267	.03357	.08638	.00000	.00113	125.87	.00060	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**-.00034**	**.00462**	**3.0495**	**.02618**	**45.414**	**.00807**	**.00067**	**173.05**	**.00047**
Stddev	.00016	.00018	.00189	.0272	.00042	.570	.00014	.00009	.67	.00015
%RSD	9.9881	53.133	40.952	.89031	1.5964	1.2542	1.7173	13.085	.38903	31.752
#1	.00176	-.00047	.00328	3.0303	.02588	45.011	.00798	.00073	172.57	.00036
#2	.00153	-.00021	.00595	3.0687	.02648	45.817	.00817	.00061	173.53	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02056**	**.00128**	**113.56**	**.00516**	**.00129**	**6.3261**	**13.538**	**.00035**	**2.1247**	**.00218**
Stddev	.00210	.00111	.07	.00140	.00204	.0213	.046	.00018	.0017	.00165
%RSD	10.211	86.580	.06503	27.161	158.69	.33716	.33716	49.875	.07918	75.634
#1	.02205	.00050	113.51	.00417	-.00016	6.3110	13.506	.00023	2.1259	.00101
#2	.01908	.00206	113.62	.00616	.00273	6.3412	13.570	.00048	2.1235	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00019**	**-.00419**	**.00012**	**.00654**	**.00131**
Stddev	.00036	.00082	.00186	.00034	.00036	.00134
%RSD	118.84	422.05	44.531	276.21	5.5324	102.22
#1	-.00005	-.00038	-.00287	.00036	.00629	.00226
#2	-.00055	.00077	-.00550	-.00012	.00680	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7821.9**	**97929.**	**8871.2**
Stddev	7.5	1487.	34.9
%RSD	.09567	1.5184	.39334
#1	7816.6	98981.	8846.5
#2	7827.2	96878.	8895.9

Sample Name: 280-48776-d-3-b Acquired: 11/8/2013 1:21:19 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.01834**	**.00120**	**.03346**	**.08640**	**-.00002**	**-.00100**	**127.07**	**.00048**	**-.00004**
Stddev	.00005	.00057	.00258	.00122	.00038	.00004	.00079	.01	.00000	.00039
%RSD	11.757	3.1047	215.90	3.6376	.44089	238.08	78.634	.01077	.27544	935.10
#1	.00044	.01793	-.00063	.03260	.08613	.00001	-.00155	127.06	.00048	-.00032
#2	.00037	.01874	.00302	.03432	.08667	-.00004	-.00044	127.08	.00048	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**-.00032**	**.01379**	**3.0157**	**.02540**	**46.149**	**.01224**	**.00055**	**174.80**	**.00000**
Stddev	.00005	.00026	.00147	.0312	.00077	.013	.00005	.00040	.04	.0000
%RSD	3.2674	80.230	10.678	1.0330	3.0232	.02817	.44326	72.424	.02298	28984.
#1	.00157	-.00050	.01483	2.9937	.02594	46.158	.01228	.00084	174.77	-.00002
#2	.00164	-.00014	.01275	3.0378	.02486	46.140	.01221	.00027	174.82	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01715**	**.00132**	**113.93**	**.00096**	**.00182**	**6.3490**	**13.587**	**-.00018**	**2.1475**	**.00185**
Stddev	.00121	.00063	.09	.00072	.00185	.0326	.070	.00113	.0019	.00228
%RSD	7.0458	47.849	.08106	74.572	101.39	.51313	.51313	638.46	.08837	122.93
#1	.01800	.00177	113.86	.00045	.00313	6.3260	13.538	-.00097	2.1462	.00024
#2	.01630	.00088	113.99	.00147	.00052	6.3720	13.636	.00062	2.1488	.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00050**	**-.01036**	**.00069**	**.00593**	**.00119**
Stddev	.00006	.00037	.02018	.00023	.00008	.00254
%RSD	7.3972	73.893	194.67	33.107	1.3925	213.49
#1	.00072	.00076	.00390	.00053	.00587	.00299
#2	.00080	.00024	-.02463	.00085	.00598	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7715.7**	**96897.**	**8936.0**
Stddev	21.4	621.	10.1
%RSD	.27688	.64130	.11292
#1	7700.6	97336.	8928.9
#2	7730.8	96458.	8943.2

Sample Name: 280-48776-d-4-b Acquired: 11/8/2013 1:23:39 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00350**	**-.00179**	**.01677**	**.10986**	**-.00009**	**-.00085**	**56.172**	**.00014**	**-.00022**
Stddev	.00017	.00003	.00221	.00027	.00084	.00012	.00085	.092	.00031	.00015
%RSD	44.857	.78813	123.37	1.6099	.76832	130.50	100.17	.16445	227.58	68.178
#1	.00051	.00352	-.00336	.01658	.10926	-.00001	-.00146	56.237	.00036	-.00032
#2	.00027	.00349	-.00023	.01696	.11046	-.00017	-.00025	56.106	-.00008	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00332**	**-.00058**	**.00605**	**1.7787**	**.01041**	**12.678**	**.00393**	**.00068**	**28.087**	**.00028**
Stddev	.00004	.00005	.00026	.0216	.00272	.027	.00004	.00045	.306	.00029
%RSD	1.1462	7.8593	4.3118	1.2139	26.153	.20942	1.1437	67.176	1.0901	103.06
#1	.00334	-.00061	.00586	1.7939	.01233	12.697	.00396	.00100	27.870	.00048
#2	.00329	-.00055	.00623	1.7634	.00848	12.660	.00390	.00035	28.303	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**.00145**	**21.427**	**.00122**	**.00024**	**5.9590**	**12.752**	**-.00035**	**.80796**	**.00496**
Stddev	.00083	.00002	.009	.00108	.00139	.0358	.077	.00009	.00183	.00051
%RSD	23.044	1.1571	.04404	88.606	590.21	.60106	.60106	26.674	.22644	10.197
#1	.00421	.00144	21.420	.00046	.00122	5.9337	12.698	-.00028	.80925	.00532
#2	.00303	.00146	21.434	.00199	-.00075	5.9843	12.806	-.00041	.80667	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00033**	W **-.08312**	**-.00015**	**.00456**	**.00150**
Stddev	.00005	.00092	.07156	.00056	.00001	.00127
%RSD	64.405	280.02	86.094	360.73	.29853	84.899
#1	.00004	-.00032	-.13372	.00024	.00457	.00240
#2	.00012	.00098	-.03252	-.00055	.00455	.00060
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.9**	**100810.**	**8868.2**
Stddev	36.8	307.	35.9
%RSD	.45882	.30501	.40508
#1	8003.8	101030.	8842.8
#2	8055.9	100590.	8893.6

Sample Name: 280-48776-d-5-b Acquired: 11/8/2013 1:25:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.01980**	**.00156**	**.01949**	**.13769**	**-.00014**	**.00086**	**50.794**	**.00022**	**-.00009**
Stddev	.00044	.00008	.00079	.00069	.00029	.00001	.00080	.051	.00002	.00005
%RSD	294.47	.39173	50.901	3.5268	.21379	3.7688	92.692	.09947	8.5813	58.612
#1	-.00016	.01975	.00100	.01998	.13749	-.00015	.00142	50.759	.00024	-.00005
#2	.00046	.01986	.00212	.01901	.13790	-.00014	.00030	50.830	.00021	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00072**	**.01401**	**1.7280**	**.00975**	**11.679**	**.00263**	**.00082**	**44.828**	**.00012**
Stddev	.00006	.00000	.00264	.0431	.00028	.027	.00003	.00017	.071	.00044
%RSD	29.570	.28939	18.810	2.4927	2.8735	.23326	1.0472	20.293	.15931	370.60
#1	.00024	-.00072	.01215	1.6975	.00994	11.699	.00261	.00070	44.778	-.00019
#2	.00016	-.00072	.01587	1.7584	.00955	11.660	.00265	.00094	44.878	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00335**	**.00144**	**28.768**	**.00001**	**-.00013**	**5.5877**	**11.958**	**.00058**	**.56704**	**.00401**
Stddev	.00107	.00018	.027	.00014	.00208	.0443	.095	.00025	.00019	.00077
%RSD	32.058	12.217	.09266	1827.4	1663.6	.79272	.79272	42.683	.03292	19.101
#1	.00411	.00157	28.749	.00011	-.00160	5.6190	12.025	.00040	.56691	.00347
#2	.00259	.00132	28.787	-.00009	.00135	5.5563	11.891	.00075	.56717	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00015**	W **-.05272**	**.00045**	**.00359**	**-.00026**
Stddev	.00026	.00036	.05429	.00005	.00035	.00050
%RSD	107.17	244.61	102.97	11.967	9.8368	190.77
#1	.00043	-.00011	-.01434	.00041	.00384	-.00061
#2	.00006	.00040	-.09111	.00049	.00334	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8022.4**	**100530.**	**8934.7**
Stddev	6.9	398.	14.2
%RSD	.08541	.39586	.15947
#1	8017.5	100250.	8944.8
#2	8027.2	100820.	8924.6

Sample Name: 280-48776-d-6-b Acquired: 11/8/2013 1:28:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00344**	**.00091**	**.10268**	**.00021**	**.00001**	**.00213**	**.01780**	**-.00008**	**-.00017**
Stddev	.00058	.00004	.00118	.00128	.00010	.00013	.00158	.00008	.00007	.00017
%RSD	85.940	1.2888	129.95	1.2474	48.891	1471.8	74.195	.47540	87.809	100.07
#1	.00027	.00340	.00174	.10359	.00028	.00010	.00101	.01774	-.00013	-.00005
#2	.00109	.00347	.00007	.10178	.00013	-.00008	.00325	.01786	-.00003	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00116**	**.00206**	**.16825**	**.00230**	**.00417**	**.00031**	**.00006**	**6.6922**	**.00033**
Stddev	.00000	.00032	.00035	.02201	.00210	.00249	.00006	.00030	.0037	.00001
%RSD	.00384	27.703	16.872	13.082	91.367	59.653	18.406	475.64	.05457	3.9578
#1	.00025	-.00093	.00181	.18381	.00378	.00592	.00027	.00027	6.6947	.00034
#2	.00025	-.00139	.00231	.15268	.00081	.00241	.00035	-.00015	6.6896	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**.00086**	**.04408**	**.00002**	**.00079**	**4.6903**	**10.037**	**-.00042**	**.00019**	**.00698**
Stddev	.00140	.00008	.00038	.00172	.00028	.0243	.052	.00045	.00010	.00193
%RSD	103.65	9.5867	.87329	11391.	35.082	.51744	.51744	108.19	50.011	27.605
#1	.00234	.00092	.04381	-.00120	.00060	4.6731	10.000	-.00074	.00026	.00562
#2	.00036	.00080	.04436	.00123	.00099	4.7074	10.074	-.00010	.00013	.00834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00070**	**-.04725**	**-.00021**	**.00341**	**.00005**
Stddev	.00018	.00017	.04342	.00040	.00026	.00095
%RSD	494.14	23.856	91.885	189.81	7.5248	2077.9
#1	-.00016	-.00058	-.01655	.00007	.00323	-.00062
#2	.00009	-.00082	-.07795	-.00050	.00359	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8357.6**	**105450.**	**8990.0**
Stddev	31.1	453.	27.9
%RSD	.37166	.42936	.31053
#1	8379.6	105770.	8970.3
#2	8335.7	105130.	9009.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 1:30:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00514**	**48.121**	k **-.00061**	k **.00479**	k **.00071**	k **-.00010**	kF **.84944**	k **-.02749**	k **-.00143**	k **.00080**	k **-.00097**
Stddev	.00063	.128	.00121	.00048	.00034	.00004	.00668	.00471	.00002	.00005	.00003
%RSD	12.309	.26504	199.07	10.007	48.056	36.003	.78654	17.134	1.6841	5.6088	3.2405
#1	k .00469	48.031	k .00025	k .00445	k .00095	k -.00007	k .84472	k -.02416	k -.00142	k .00077	k -.00094
#2	k .00558	48.211	k -.00146	k .00513	k .00047	k -.00013	k .85416	k -.03082	k -.00145	k .00084	k -.00099
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01379**	F **43.640**	**.17509**	k **.00280**	k **-.28173**	k **-.00122**	k **-.00153**	**243.92**	k **.00155**	k **.00150**	k **.00995**
Stddev	.00017	.197	.01892	.00083	.00107	.00003	.00035	.21	.00048	.00353	.00108
%RSD	1.2435	.45096	10.804	29.762	.37837	2.1690	22.732	.08544	31.114	235.95	10.883
#1	k .01392	43.501	.18846	k .00339	k -.28248	k -.00120	k -.00128	243.77	k .00189	k .00399	k .00919
#2	k .01367	43.779	.16171	k .00221	k -.28098	k -.00124	k -.00177	244.06	k .00121	k -.00100	k .01072
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9119**	k **.00218**	k **-.00173**	k **.00459**	k **.00981**	k **.00006**	**.00045**	kW **5.2653**	k **.01429**	k **-.00099**	kW **10.932**
Stddev	.0149	.00365	.00056	.00206	.00440	.00099	.00006	.0122	.00005	.00115	.013
%RSD	.30290	167.68	32.367	44.858	44.858	1525.4	12.471	.23205	.35763	116.66	.11755
#1	k 4.9013	k .00476	k -.00212	k .00604	k .01293	k -.00063	.00049	k 5.2566	k .01425	k -.00017	k 10.941
#2	k 4.9224	k -.00040	k -.00133	k .00313	k .00670	k .00076	.00041	k 5.2739	k .01433	k -.00181	k 10.923
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00123**	k **.00258**	k **.20363**
Stddev	.00002	.00018	.00269
%RSD	1.3884	6.9927	1.3193
#1	k .00124	k .00246	k .20173
#2	k .00122	k .00271	k .20553
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.6**	**97119.**	**8721.0**
Stddev	2.2	179.	21.9
%RSD	.02785	.18383	.25166
#1	7947.0	97245.	8705.5
#2	7950.2	96993.	8736.5

Sample Name: CCV-2357614 Acquired: 11/8/2013 1:33:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50123**	F **.55714**	**.94870**	**.49195**	**.53317**	**.48547**	**.00475**	**4.8268**	**.50982**	**.51979**	**.47384**	**.52183**	**2.3278**
Stddev	.00058	.00528	.00301	.00128	.00000	.00179	.00063	.0030	.00133	.00013	.00031	.00072	.0064
%RSD	.11590	.94832	.31760	.25943	.00051	.36776	13.257	.06248	.26074	.02465	.06483	.13741	.27351
#1	.50081	.55341	.94657	.49105	.53318	.48673	.00520	4.8289	.50888	.51970	.47362	.52132	2.3233
#2	.50164	.56088	.95083	.49285	.53317	.48420	.00431	4.8247	.51076	.51988	.47406	.52234	2.3323
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.152**	**1.0009**	**18.913**	**.51911**	**.45783**	**5.4601**	**.48781**	**.92929**	**1.0131**	**.02713**	**1.0575**	**.96727**	**4.6009**
Stddev	.109	.0031	.025	.00053	.00187	.0188	.00079	.00339	.0032	.00272	.0070	.00569	.0073
%RSD	.21655	.30641	.13165	.10216	.40799	.34437	.16185	.36469	.31201	10.011	.66474	.58798	.15874
#1	50.229	1.0030	18.896	.51874	.45650	5.4734	.48725	.92689	1.0109	.02521	1.0525	.97129	4.6060
#2	50.075	.99871	18.931	.51949	.45915	5.4468	.48837	.93168	1.0153	.02906	1.0624	.96324	4.5957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8459**	**.92299**	**.51384**	**.00082**	**.53200**	**1.0588**	**-.04325**	**.49888**	**.47191**	**.50534**
Stddev	.0156	.00646	.00036	.00103	.00115	.0063	.03836	.00127	.00030	.00307
%RSD	.15874	.70038	.06998	126.32	.21571	.59368	88.682	.25551	.06387	.60662
#1	9.8569	.91842	.51359	.00155	.53119	1.0544	-.07037	.49798	.47170	.50317
#2	9.8348	.92756	.51410	.00009	.53281	1.0633	-.01613	.49978	.47213	.50751
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8159.5**	**101380.**	**8757.6**
Stddev	18.6	100.	63.0
%RSD	.22818	.09905	.71979
#1	8172.6	101310.	8713.0
#2	8146.3	101450.	8802.2

Sample Name: CCB Acquired: 11/8/2013 1:35:11 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00066**	**.00212**	**.00145**	**.00019**	**-.00003**	**.00113**	**-.00426**	**-.00014**	**-.00004**	**.00000**
Stddev	.00014	.00012	.00266	.00022	.00017	.00013	.00329	.00250	.00006	.00029	.00005
%RSD	19.889	18.405	125.04	15.187	87.500	375.17	289.76	58.837	38.515	662.63	18555.
#1	.00059	.00057	.00025	.00161	.00007	-.00012	.00346	-.00248	-.00010	.00016	.00003
#2	.00079	.00074	.00400	.00130	.00031	.00006	-.00119	-.00603	-.00018	-.00025	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00197**	**-.00164**	**.12636**	**.00004**	**.00213**	**.00000**	**.00024**	F **.21740**	**.00004**	**.00070**	**.00136**
Stddev	.00019	.00126	.02189	.00005	.00012	.00002	.00028	.02865	.00011	.00139	.00169
%RSD	9.7811	76.849	17.322	137.96	5.5998	382.17	115.67	13.181	309.28	197.69	123.92
#1	-.00211	-.00075	.11088	.00000	.00221	.00002	.00004	.23766	-.00004	.00168	.00017
#2	-.00183	-.00253	.14184	.00008	.00204	-.00001	.00044	.19714	.00011	-.00028	.00256
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01473**	W **.00377**	**.00400**	**-.02288**	**-.04896**	**.00039**	**.00009**	**.00541**	W **-.00060**	**-.00016**	**-.04543**
Stddev	.00051	.00052	.00013	.00669	.01432	.00010	.00015	.00195	.00029	.00014	.03381
%RSD	3.4416	13.662	3.1307	29.243	29.243	24.238	154.55	36.089	47.490	86.605	74.419
#1	.01437	.00414	.00391	-.02761	-.05908	.00046	.00020	.00679	-.00040	-.00006	-.06934
#2	.01509	.00341	.00409	-.01815	-.03884	.00033	-.00001	.00403	-.00080	-.00025	-.02152
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		.00314							.00060		
Low Limit		-.00314							-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00010**	**.00379**	**-.00018**
Stddev	.00009	.00004	.00079
%RSD	92.683	.99988	429.27
#1	-.00003	.00377	.00038
#2	-.00017	.00382	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8169.2**	**102820.**	**8730.1**
Stddev	7.6	472.	5.0
%RSD	.09324	.45924	.05753
#1	8174.6	103150.	8726.6
#2	8163.8	102490.	8733.7

Sample Name: CCVL2363703 Acquired: 11/8/2013 1:37:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.11682**	**.01494**	**.10028**	**.01126**	**.00094**	**.11407**	**.19935**	**.00500**	**.01107**	**.00994**	**.01440**
Stddev	.00016	.00025	.00118	.00039	.00002	.00008	.00092	.00350	.00003	.00009	.00009	.00078
%RSD	1.5001	.21475	7.8868	.38506	.16901	8.0194	.80316	1.7569	.69920	.82072	.86292	5.3969
#1	.01107	.11700	.01578	.10055	.01125	.00099	.11472	.19687	.00503	.01100	.01000	.01385
#2	.01084	.11664	.01411	.10001	.01128	.00089	.11343	.20182	.00498	.01113	.00988	.01495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09361**	**3.1523**	**.01191**	**.20388**	**.01096**	**.01809**	**1.2595**	**.04122**	**2.7884**	**.01021**	**.01405**	**.01296**
Stddev	.00179	.0817	.00268	.00426	.00003	.00021	.0054	.00002	.0183	.00022	.00016	.00137
%RSD	1.9074	2.5929	22.525	2.0899	.25657	1.1698	.43004	.04563	.65636	2.1758	1.1618	10.551
#1	.09234	3.0945	.01381	.20690	.01098	.01824	1.2557	.04120	2.8014	.01006	.01416	.01393
#2	.09487	3.2101	.01002	.20087	.01094	.01794	1.2634	.04123	2.7755	.01037	.01393	.01199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01533**	**.43546**	**.93188**	**.09608**	**.01059**	F **.02152**	**.01051**	**.01830**	F **-.00537**	**.00937**	**.02242**	**.01558**
Stddev	.00181	.00777	.01664	.00043	.00001	.00031	.00015	.00077	.01307	.00022	.00018	.00205
%RSD	11.819	1.7853	1.7853	.44259	.07687	1.4463	1.4386	4.1942	243.34	2.3368	.78657	13.148
#1	.01661	.44095	.94364	.09638	.01059	.02130	.01061	.01776	.00387	.00953	.02254	.01413
#2	.01404	.42996	.92011	.09578	.01060	.02174	.01040	.01885	-.01461	.00922	.02230	.01703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.01500			.06000			
Range						30.000%			-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8401.4**	**105170.**	**9011.5**
Stddev	38.9	603.	46.3
%RSD	.46312	.57372	.51391
#1	8428.9	105590.	8978.8
#2	8373.9	104740.	9044.3

Sample Name: mb 280-199567/1-a Acquired: 11/8/2013 1:39:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	W **.01673**	**.00056**	**.00100**	**.00035**	**-.00008**	**.00227**	**.01145**	**-.00018**	**.00018**
Stddev	.00001	.00017	.00153	.00005	.00030	.00007	.00055	.00068	.00007	.00002
%RSD	3.8131	1.0247	274.40	5.2045	86.055	80.287	24.026	5.9397	41.766	12.732
#1	.00029	.01685	.00164	.00096	.00014	-.00013	.00188	.01193	-.00012	.00016
#2	.00031	.01661	-.00053	.00104	.00056	-.00004	.00265	.01097	-.00023	.00019
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.01647								
Low Limit		-.05000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00155**	**.01231**	**.07610**	**.00170**	**.00704**	**.00021**	**.00017**	W **.19374**	**.00046**
Stddev	.00015	.00113	.00135	.01063	.00392	.00078	.00001	.00034	.01136	.00030
%RSD	205.72	72.849	10.926	13.963	230.53	11.061	2.9565	199.47	5.8644	65.763
#1	.00018	-.00075	.01326	.06859	.00447	.00649	.00021	.00041	.18571	.00068
#2	-.00003	-.00235	.01136	.08362	-.00107	.00759	.00021	-.00007	.20178	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00094**	F **.02289**	W **.00507**	**-.00056**	F **-.01958**	**-.04189**	**.00029**	**.00017**	W **.00445**
Stddev	.00146	.00024	.00168	.00259	.00247	.00537	.01150	.00032	.00002	.00197
%RSD	181.24	25.799	7.3191	51.015	440.34	27.448	27.448	110.24	11.174	44.248
#1	-.00023	.00111	.02407	.00324	.00118	-.01578	-.03376	.00006	.00016	.00585
#2	.00184	.00076	.02170	.00690	-.00231	-.02338	-.05002	.00051	.00019	.00306
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000	.00500		.01000				.00000
Low Limit			-.01000	-.00500		-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00053**	**-.02377**	**.00003**	W **.00542**	**.00196**
Stddev	.00001	.00006	.03122	.00009	.00066	.00105
%RSD	8.5880	10.764	131.34	337.23	12.207	53.878
#1	.00006	.00049	-.04584	.00009	.00496	.00270
#2	.00006	.00057	-.00169	-.00004	.00589	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8269.7**	**103390.**	**8879.2**
Stddev	7.3	455.	74.7
%RSD	.08814	.43993	.84112
#1	8274.9	103710.	8826.4
#2	8264.6	103070.	8932.0

Sample Name: lcs 280-199567/2-a Acquired: 11/8/2013 1:42:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05023**	**2.1201**	**.96539**	**.99014**	**2.1931**	**.04922**	**2.0295**	**48.362**	**.10708**	**.51714**
Stddev	.00025	.0026	.00251	.00028	.0046	.00019	.0044	.063	.00027	.00057
%RSD	.49576	.12393	.25961	.02795	.20960	.38801	.21902	.13006	.25103	.11071
#1	.05041	2.1182	.96362	.99034	2.1963	.04935	2.0263	48.407	.10727	.51754
#2	.05005	2.1219	.96717	.98994	2.1898	.04908	2.0326	48.318	.10689	.51673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19450**	**.26703**	**.94699**	**51.599**	**1.0221**	**47.976**	**.52525**	**.93827**	**51.911**	**.48508**
Stddev	.00056	.00072	.00146	.113	.0046	.256	.00115	.00045	.269	.00073
%RSD	.28937	.26934	.15469	.21844	.44597	.53322	.21868	.04744	.51869	.15075
#1	.19410	.26653	.94803	51.679	1.0189	48.157	.52606	.93795	52.101	.48560
#2	.19490	.26754	.94596	51.519	1.0253	47.795	.52444	.93858	51.721	.48456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5631**	**.49654**	**-.00038**	**.52754**	**1.9587**	**9.4314**	**20.183**	**1.8707**	**1.0528**	**1.0628**
Stddev	.0127	.00076	.00005	.00101	.0001	.0182	.039	.0084	.0017	.0050
%RSD	.13275	.15268	14.363	.19156	.00641	.19305	.19305	.44862	.16215	.46710
#1	9.5541	.49708	-.00042	.52825	1.9586	9.4443	20.211	1.8648	1.0540	1.0593
#2	9.5721	.49600	-.00034	.52682	1.9587	9.4186	20.156	1.8767	1.0516	1.0663
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0990**	**2.0589**	**2.2993**	**.51290**	**.47520**	**.51830**
Stddev	.0001	.0061	.0042	.00103	.00379	.00137
%RSD	.00728	.29537	.18369	.20112	.79857	.26493
#1	1.0990	2.0546	2.2963	.51217	.47788	.51733
#2	1.0989	2.0632	2.3023	.51363	.47252	.51927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7937.8**	**98791.**	**8755.5**
Stddev	20.4	42.	8.0
%RSD	.25650	.04292	.09144
#1	7952.1	98761.	8761.1
#2	7923.4	98821.	8749.8

Sample Name: 280-48788-c-1-d Acquired: 11/8/2013 1:44:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.03088**	**.00142**	**.16782**	**.69085**	**-.00006**	**-.00317**	**3.3031**	**.00006**	**-.00052**
Stddev	.00020	.00006	.00290	.00146	.00076	.00006	.00182	.0103	.00019	.00011
%RSD	186.37	.17977	203.99	.86987	.11047	109.35	57.494	.31207	323.73	20.888
#1	-.00003	.03092	-.00063	.16679	.69031	-.00001	-.00188	3.2959	-.00008	-.00044
#2	.00025	.03084	.00348	.16886	.69139	-.00011	-.00446	3.3104	.00019	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00026**	**.14919**	**3.3269**	**.12440**	**.69987**	**.00584**	**.00079**	W **661.76**	**.00022**
Stddev	.00002	.00045	.00134	.0131	.00145	.00963	.00010	.00009	.48	.00013
%RSD	8.6777	172.82	.90058	.39469	1.1675	1.3758	1.6532	10.993	.07185	59.210
#1	.00027	-.00006	.14824	3.3362	.12542	.69306	.00577	.00073	661.43	.00013
#2	.00024	.00058	.15015	3.3176	.12337	.70668	.00591	.00085	662.10	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05117**	**-.00050**	**.09114**	**.00397**	**.00019**	**8.1625**	**17.468**	**.00018**	**.70556**	**.00416**
Stddev	.00147	.00085	.00194	.00021	.00195	.0494	.106	.00093	.00022	.00039
%RSD	2.8679	170.03	2.1260	5.2782	1030.4	.60491	.60491	523.83	.03161	9.4753
#1	.05013	-.00110	.08977	.00382	.00156	8.1276	17.393	.00084	.70572	.00444
#2	.05220	.00010	.09251	.00412	-.00119	8.1974	17.542	-.00048	.70540	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00028**	**-.04886**	**.00037**	**.00361**	**.00050**
Stddev	.00037	.00052	.01437	.00007	.00039	.00120
%RSD	74.357	185.28	29.417	19.883	10.730	237.77
#1	.00024	-.00009	-.05902	.00043	.00334	.00135
#2	.00076	.00065	-.03869	.00032	.00389	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7666.2**	**92441.**	**8759.4**
Stddev	42.7	143.	6.7
%RSD	.55639	.15421	.07688
#1	7636.1	92340.	8764.2
#2	7696.4	92541.	8754.7

Sample Name: 280-48788-c-1-dSD@5 Acquired: 11/8/2013 1:46:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.09875**	**.00049**	**.03686**	**.14162**	**-.00006**	**.00193**	**.67582**	**-.00020**	**.00000**
Stddev	.00037	.00048	.00014	.00051	.00038	.00004	.00136	.00002	.00010	.0001
%RSD	82.072	.48809	28.471	1.3777	.26684	67.676	70.269	.00271	49.286	8588.9
#1	.00019	.09841	.00059	.03650	.14135	-.00008	.00289	.67583	-.00027	.00008
#2	.00071	.09909	.00039	.03722	.14188	-.00003	.00097	.67581	-.00013	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00118**	**.04731**	**.77589**	**.03023**	**.14762**	**.00138**	**.00031**	**134.59**	**.00044**
Stddev	.00011	.00060	.00071	.00458	.00007	.00365	.00005	.00029	.11	.00013
%RSD	91.392	50.851	1.5073	.59005	.22617	2.4717	3.9589	94.909	.08431	30.617
#1	.00020	-.00076	.04680	.77265	.03028	.15020	.00142	.00052	134.51	.00053
#2	.00004	-.00161	.04781	.77912	.03018	.14504	.00134	.00010	134.67	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01319**	**.00058**	**.03346**	**.00289**	**.00023**	**1.6308**	**3.4900**	**.00177**	**.14353**	**.00240**
Stddev	.00468	.00008	.00182	.00150	.00003	.0046	.0098	.00077	.00020	.00047
%RSD	35.499	13.052	5.4268	51.722	11.260	.28129	.28129	43.690	.13987	19.586
#1	.01650	.00063	.03217	.00184	.00021	1.6341	3.4969	.00231	.14339	.00274
#2	.00988	.00053	.03474	.00395	.00025	1.6276	3.4831	.00122	.14367	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00020**	W **-.05967**	**-.00009**	**.03832**	**.00112**
Stddev	.00030	.00017	.01920	.00007	.00013	.00244
%RSD	306.33	89.208	32.180	73.125	.33443	217.79
#1	.00011	.00007	-.04609	-.00004	.03823	.00285
#2	-.00031	.00032	-.07325	-.00014	.03841	-.00060
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8073.1**	**100220.**	**8897.8**
Stddev	.1	11.	107.3
%RSD	.00185	.01063	1.2056
#1	8073.3	100210.	8821.9
#2	8073.0	100230.	8973.6

Sample Name: 280-48788-c-1-e ms Acquired: 11/8/2013 1:49:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05224**	**2.0560**	**.99090**	**1.1251**	**2.8920**	**.04926**	F **1.9906**	**51.218**	**.10861**	**.50723**
Stddev	.00036	.0155	.00497	.0021	.0177	.00007	.0116	.189	.00050	.00137
%RSD	.69845	.75607	.50187	.18288	.61302	.13315	.58214	.36867	.45681	.27056
#1	.05250	2.0670	.99441	1.1265	2.8794	.04930	1.9988	51.085	.10896	.50820
#2	.05198	2.0450	.98738	1.1236	2.9045	.04921	1.9824	51.352	.10826	.50626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19153**	**.26966**	**1.0844**	**56.808**	**1.1512**	**46.750**	**.52984**	**.92672**	W **718.64**	**.47577**
Stddev	.00101	.00096	.0045	.399	.0068	.040	.00026	.00356	5.41	.00265
%RSD	.52895	.35715	.41684	.70230	.59209	.08659	.04899	.38451	.75346	.55749
#1	.19225	.27034	1.0812	56.526	1.1464	46.779	.53002	.92924	714.81	.47765
#2	.19082	.26898	1.0876	57.090	1.1560	46.722	.52965	.92420	722.47	.47390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8858**	**.47631**	**.08140**	**.53173**	**2.0028**	**17.640**	**37.749**	**1.8165**	**1.7683**	**1.0741**
Stddev	.0476	.00281	.00396	.00291	.0148	.079	.169	.0106	.0114	.0027
%RSD	.48163	.58913	4.8604	.54651	.73789	.44824	.44824	.58456	.64662	.24843
#1	9.9195	.47829	.08419	.53379	2.0133	17.584	37.629	1.8240	1.7602	1.0723
#2	9.8522	.47432	.07860	.52968	1.9924	17.696	37.869	1.8090	1.7764	1.0760
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1058**	**1.8805**	**2.2492**	**.51946**	**.48515**	**.52252**
Stddev	.0010	.0080	.0207	.00065	.00081	.00176
%RSD	.09002	.42590	.92217	.12451	.16701	.33766
#1	1.1050	1.8861	2.2639	.51992	.48458	.52127
#2	1.1065	1.8748	2.2346	.51901	.48573	.52377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7694.5**	**94288.**	**8942.0**
Stddev	27.6	63.	24.9
%RSD	.35901	.06679	.27840
#1	7675.0	94333.	8959.6
#2	7714.0	94244.	8924.4

Sample Name: 280-48788-c-1-f msd Acquired: 11/8/2013 1:51:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05214**	**2.0621**	**.99783**	**1.1398**	**2.8907**	**.04909**	F **2.0026**	**51.177**	**.10908**	**.51013**
Stddev	.00004	.0011	.00121	.0025	.0044	.00006	.0049	.010	.00050	.00050
%RSD	.07288	.05172	.12121	.21909	.15087	.13037	.24393	.01998	.46067	.09829
#1	.05216	2.0614	.99697	1.1380	2.8876	.04904	1.9991	51.169	.10873	.50977
#2	.05211	2.0629	.99868	1.1416	2.8938	.04913	2.0061	51.184	.10944	.51048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19344**	**.26983**	**1.0899**	**56.921**	**1.1548**	**46.941**	**.53052**	**.93823**	W **714.61**	**.47823**
Stddev	.00015	.00036	.0087	.190	.0013	.116	.00093	.00216	.24	.00264
%RSD	.07718	.13518	.80080	.33321	.11282	.24679	.17464	.23031	.03339	.55289
#1	.19355	.27009	1.0837	56.787	1.1558	46.860	.52986	.93670	714.44	.47636
#2	.19334	.26957	1.0961	57.055	1.1539	47.023	.53117	.93975	714.78	.48010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9661**	**.48119**	**.07620**	**.53791**	**2.0252**	**17.643**	**37.757**	**1.8422**	**1.7648**	**1.0723**
Stddev	.0125	.00122	.00187	.00694	.0050	.043	.092	.0065	.0029	.0012
%RSD	.12499	.25328	2.4479	1.2902	.24493	.24373	.24373	.35048	.16133	.10908
#1	9.9573	.48205	.07488	.53300	2.0217	17.674	37.822	1.8376	1.7628	1.0714
#2	9.9749	.48033	.07752	.54282	2.0287	17.613	37.692	1.8468	1.7668	1.0731
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1112**	**1.8880**	**2.2692**	**.51976**	**.48692**	**.52589**
Stddev	.0022	.0012	.0396	.00128	.00178	.00149
%RSD	.20213	.06205	1.7439	.24560	.36531	.28336
#1	1.1128	1.8871	2.2413	.52066	.48817	.52483
#2	1.1096	1.8888	2.2972	.51886	.48566	.52694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7697.8**	**94408.**	**8937.9**
Stddev	17.2	32.	38.9
%RSD	.22314	.03384	.43519
#1	7685.6	94430.	8910.4
#2	7709.9	94385.	8965.4

Sample Name: 280-48788-c-2-b Acquired: 11/8/2013 1:53:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.01780**	**.00159**	**.23228**	**.83974**	**.00001**	**-.00260**	**3.6655**	**-.00008**	**-.00032**
Stddev	.00063	.00025	.00171	.00038	.00066	.00015	.00465	.0069	.00016	.00005
%RSD	348.45	1.4028	107.58	.16496	.07803	2782.0	178.69	.18691	186.38	15.606
#1	.00063	.01762	.00038	.23255	.84020	-.00010	-.00589	3.6703	.00003	-.00028
#2	-.00027	.01797	.00280	.23201	.83928	.00011	.00069	3.6606	-.00020	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00059**	**.54768**	**4.1341**	**.18723**	**.93462**	**.00914**	**.00086**	W **743.32**	**.00085**
Stddev	.00004	.00022	.00040	.0323	.00373	.00104	.00002	.00026	1.96	.00006
%RSD	4.8510	37.529	.07239	.78022	1.9899	.11113	.19801	30.294	.26381	6.9152
#1	.00076	.00044	.54796	4.1113	.18460	.93536	.00913	.00104	744.70	.00089
#2	.00081	.00075	.54740	4.1569	.18987	.93389	.00916	.00067	741.93	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05215**	**.00033**	**.13047**	**.00150**	**-.00083**	**8.4521**	**18.088**	**.00090**	**.91785**	**.00331**
Stddev	.00065	.00041	.00433	.00051	.00049	.0119	.025	.00064	.00252	.00153
%RSD	1.2448	125.59	3.3212	33.795	59.362	.14039	.14039	71.484	.27433	46.196
#1	.05169	.00062	.12740	.00114	-.00117	8.4605	18.105	.00135	.91963	.00439
#2	.05261	.00004	.13353	.00186	-.00048	8.4437	18.070	.00044	.91607	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00015**	**-.02009**	**-.00034**	**.00277**	**.00099**
Stddev	.00007	.00010	.00168	.00048	.00010	.00394
%RSD	10.606	69.052	8.3566	142.63	3.6205	398.13
#1	.00064	-.00008	-.01890	-.00068	.00284	.00378
#2	.00074	-.00022	-.02128	.00000	.00270	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7816.6**	**95317.**	**9185.9**
Stddev	7.3	378.	39.3
%RSD	.09361	.39610	.42835
#1	7811.4	95050.	9158.1
#2	7821.7	95584.	9213.8

Sample Name: 280-48788-c-3-b Acquired: 11/8/2013 1:56:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.10339**	**-.00103**	**.16149**	**.68235**	**-.00002**	**-.00233**	**3.3084**	**.00004**	**-.00029**
Stddev	.00006	.00050	.00186	.00032	.00066	.00004	.00276	.0089	.00010	.00002
%RSD	13.264	.48466	179.96	.19619	.09736	200.41	118.46	.27040	285.06	7.0370
#1	.00040	.10374	.00028	.16171	.68282	.00001	-.00429	3.3020	.00011	-.00028
#2	.00048	.10303	-.00235	.16126	.68188	-.00005	-.00038	3.3147	-.00004	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00018**	**.91792**	**3.6868**	**.15795**	**.68943**	**.01466**	**.00060**	W **619.41**	**.00074**
Stddev	.00001	.00013	.00327	.0395	.00177	.00752	.00001	.00016	1.27	.00025
%RSD	1.4937	73.189	.35628	1.0719	1.1200	1.0904	.04556	27.591	.20537	33.463
#1	.00097	.00028	.91561	3.6589	.15670	.69474	.01466	.00071	620.31	.00056
#2	.00099	.00009	.92023	3.7148	.15920	.68411	.01465	.00048	618.51	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04445**	**.00058**	**.09363**	**.00372**	**.00032**	**8.8568**	**18.953**	**.00016**	**.63883**	**.00264**
Stddev	.00113	.00094	.00268	.00001	.00122	.0579	.124	.00027	.00046	.00091
%RSD	2.5339	162.96	2.8621	.33866	384.19	.65413	.65413	168.02	.07146	34.491
#1	.04525	.00124	.09173	.00371	-.00054	8.8158	18.866	-.00003	.63916	.00199
#2	.04366	-.00009	.09552	.00373	.00118	8.8977	19.041	.00035	.63851	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00197**	**.00034**	W **-.05395**	**.00012**	**.00372**	**.00085**
Stddev	.00036	.00184	.00879	.00036	.00065	.00085
%RSD	18.457	547.44	16.286	303.74	17.427	100.36
#1	.00223	.00163	-.04774	.00037	.00326	.00145
#2	.00171	-.00096	-.06016	-.00014	.00418	.00025
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7891.6**	**96735.**	**9219.2**
Stddev	.8	103.	89.9
%RSD	.01049	.10618	.97470
#1	7891.0	96662.	9155.7
#2	7892.2	96807.	9282.8

Sample Name: 280-48788-c-4-b Acquired: 11/8/2013 1:58:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00934**	**.00186**	**.29269**	**.61019**	**.00002**	**-.00229**	**3.4420**	**.00007**	**-.00034**
Stddev	.00020	.00018	.00246	.00039	.00041	.00010	.00122	.0025	.00006	.00006
%RSD	100.75	1.9042	132.31	.13466	.06704	418.68	53.332	.07277	87.103	18.651
#1	.00034	.00947	.00359	.29241	.61048	-.00005	-.00315	3.4402	.00011	-.00039
#2	.00006	.00922	.00012	.29296	.60990	.00009	-.00142	3.4437	.00003	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00005**	**.28496**	**3.5914**	**.24538**	**.67841**	**.00709**	**.00038**	W **649.48**	**.00038**
Stddev	.00001	.00060	.00338	.0372	.00225	.00298	.00005	.00020	1.31	.00004
%RSD	.87160	1116.8	1.1860	1.0369	.91702	.43869	.70566	53.735	.20212	10.895
#1	.00116	.00048	.28257	3.5651	.24379	.68051	.00705	.00052	650.41	.00040
#2	.00118	-.00037	.28735	3.6177	.24697	.67630	.00713	.00023	648.56	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03789**	**-.00042**	**.08108**	**.00128**	**.00060**	**8.6008**	**18.406**	**.00055**	**.79850**	**.00066**
Stddev	.00230	.00030	.00441	.00013	.00128	.0016	.003	.00044	.00048	.00029
%RSD	6.0677	72.471	5.4401	10.460	214.95	.01828	.01828	79.150	.05974	44.367
#1	.03627	-.00063	.08420	.00137	-.00031	8.5997	18.403	.00086	.79884	.00046
#2	.03952	-.00020	.07796	.00118	.00150	8.6019	18.408	.00024	.79816	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00040**	**-.04734**	**-.00032**	**.00380**	**.00142**
Stddev	.00011	.00150	.00738	.00035	.00001	.00011
%RSD	123.28	375.02	15.591	109.20	.16095	7.7410
#1	.00017	-.00146	-.05256	-.00007	.00381	.00134
#2	.00001	.00066	-.04212	-.00056	.00380	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7906.9**	**96896.**	**9409.7**
Stddev	25.8	98.	96.3
%RSD	.32598	.10077	1.0239
#1	7888.6	96827.	9477.9
#2	7925.1	96965.	9341.6

Sample Name: CCVH-2357613 Acquired: 11/8/2013 2:00:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00422**	**47.555**	k **-.00183**	k **.00618**	k **.00047**	k **-.00010**	kF **.85883**	k **-.03350**	k **-.00113**	k **.00102**	k **-.00100**
Stddev	.00041	.172	.00278	.00019	.00050	.00005	.00053	.00164	.00010	.00026	.00001
%RSD	9.6817	.36196	151.68	3.0617	104.83	47.463	.06155	4.8922	8.7243	25.752	1.0639
#1	k .00450	47.433	k -.00380	k .00631	k .00082	k -.00006	k .85845	k -.03465	k -.00120	k .00084	k -.00101
#2	k .00393	47.676	k .00013	k .00605	k .00012	k -.00013	k .85920	k -.03234	k -.00106	k .00121	k -.00100
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01337**	F **43.117**	**.29300**	k **.00266**	k **-.27913**	k **-.00132**	k **-.00165**	**243.41**	k **.00126**	k **.00453**	k **.01064**
Stddev	.00070	.432	.04879	.00006	.00186	.00001	.00017	1.11	.00013	.00039	.00096
%RSD	5.2002	1.0019	16.651	2.1855	.66794	.53396	10.026	.45787	10.452	8.6356	9.0431
#1	k .01386	42.812	.32749	k .00270	k -.28045	k -.00132	k -.00153	242.62	k .00135	k .00425	k .00996
#2	k .01288	43.423	.25850	k .00262	k -.27782	k -.00133	k -.00176	244.20	k .00116	k .00481	k .01132
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9836**	k **.00218**	k **-.00197**	k **.00256**	k **.00547**	k **.00068**	**.00060**	k **5.2448**	k **.01435**	k **-.00248**	kW **10.971**
Stddev	.0084	.00292	.00240	.01206	.02582	.00105	.00009	.0330	.00019	.00026	.021
%RSD	.16890	134.12	122.25	471.96	471.96	153.89	15.695	.62983	1.3101	10.302	.18942
#1	k 4.9895	k .00011	k -.00027	k .01109	k .02372	k -.00006	.00053	k 5.2681	k .01449	k -.00230	k 10.986
#2	k 4.9776	k .00424	k -.00367	k -.00597	k -.01278	k .00143	.00066	k 5.2214	k .01422	k -.00266	k 10.957
Check ?	Chk Pass	None	None	None	None	None	None	Chk Pass	None	None	Chk Warn
Value											10.000
Range											5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00082**	k **.00279**	k **.20175**
Stddev	.00060	.00052	.00256
%RSD	73.753	18.611	1.2668
#1	k .00124	k .00315	k .19995
#2	k .00039	k .00242	k .20356
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8201.5**	**102400.**	**9405.4**
Stddev	11.4	177.	54.1
%RSD	.13898	.17319	.57537
#1	8209.6	102270.	9443.7
#2	8193.4	102520.	9367.1

Sample Name: CCV-2357614 Acquired: 11/8/2013 2:03:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50190**	**.54904**	**.95194**	**.49572**	**.53454**	**.48397**	**.00372**	**4.7519**	**.51422**	**.51966**	**.47184**	**.52707**	**2.2907**
Stddev	.00069	.00751	.00655	.00174	.00052	.00065	.00293	.0204	.00065	.00135	.00114	.00207	.0010
%RSD	.13697	1.3676	.68771	.35168	.09720	.13333	78.712	.42855	.12618	.25903	.24171	.39287	.04530
#1	.50239	.55435	.94731	.49449	.53490	.48443	.00165	4.7663	.51377	.51871	.47103	.52853	2.2899
#2	.50142	.54373	.95657	.49696	.53417	.48352	.00579	4.7375	.51468	.52061	.47265	.52560	2.2914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.523**	**.99676**	**18.545**	**.51604**	**.45463**	F **5.7431**	**.48519**	**.92891**	**1.0059**	**.00575**	**1.0757**	**.97450**	**4.5252**
Stddev	.147	.00277	.031	.00106	.00165	.0365	.00037	.00522	.0038	.00342	.0069	.00808	.0079
%RSD	.29634	.27811	.16946	.20632	.36295	.63564	.07645	.56209	.38094	59.440	.63717	.82930	.17409
#1	49.627	.99872	18.567	.51679	.45346	5.7689	.48493	.92522	1.0032	.00817	1.0708	.96879	4.5196
#2	49.419	.99480	18.522	.51529	.45580	5.7173	.48546	.93260	1.0086	.00333	1.0805	.98022	4.5307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6839**	**.91361**	**.51454**	**.00114**	**.53160**	**1.0623**	**-.02580**	**.49335**	**.45935**	**.50917**
Stddev	.0169	.00317	.00218	.00015	.00371	.0053	.01877	.00243	.00145	.00051
%RSD	.17409	.34667	.42281	12.853	.69784	.49857	72.726	.49322	.31606	.09981
#1	9.6720	.91137	.51608	.00124	.53423	1.0586	-.01253	.49507	.46038	.50881
#2	9.6958	.91585	.51300	.00104	.52898	1.0661	-.03907	.49163	.45833	.50953
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8428.2**	**105470.**	**9406.2**
Stddev	13.2	14.	17.4
%RSD	.15610	.01324	.18547
#1	8418.9	105460.	9393.9
#2	8437.5	105480.	9418.6

Sample Name: CCB Acquired: 11/8/2013 2:05:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00112**	**.00079**	**-.00066**	**.00216**	**.00052**	**-.00001**	**.00315**	**-.00601**	**.00003**	**.00005**	**.00021**
Stddev	.00026	.00015	.00035	.00002	.00018	.00008	.00081	.00124	.00006	.00022	.00015
%RSD	22.940	19.262	53.247	1.1262	33.613	558.34	25.826	20.597	215.87	452.40	71.868
#1	.00130	.00090	-.00091	.00215	.00040	.00004	.00373	-.00513	-.00001	.00020	.00010
#2	.00094	.00068	-.00041	.00218	.00065	-.00007	.00258	-.00689	.00007	-.00011	.00032
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00165**	**-.00289**	**.15709**	**.00137**	**-.00017**	**-.00003**	**.00027**	F **.42648**	**.00021**	**.00040**	**.00127**
Stddev	.00003	.00042	.01984	.00456	.00046	.00009	.00014	.02956	.00023	.00065	.00054
%RSD	1.6486	14.612	12.629	331.76	268.54	310.45	51.596	6.9303	111.96	161.78	42.382
#1	-.00167	-.00319	.17112	.00460	.00016	.00003	.00017	.44737	.00004	.00086	.00089
#2	-.00163	-.00259	.14306	-.00185	-.00050	-.00009	.00037	.40558	.00037	-.00006	.00165
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00781**	W **.00599**	**.00012**	**-.01964**	**-.04203**	**.00060**	**.00013**	**.00657**	**-.00005**	**-.00027**	**-.01467**
Stddev	.00062	.00205	.00260	.00974	.02084	.00016	.00003	.00007	.00038	.00069	.00727
%RSD	8.0063	34.282	2192.5	49.590	49.590	26.719	24.849	1.0061	714.32	254.15	49.589
#1	.00736	.00454	.00196	-.01275	-.02729	.00072	.00015	.00661	-.00032	.00022	-.01981
#2	.00825	.00744	-.00172	-.02653	-.05676	.00049	.00011	.00652	.00022	-.00076	-.00953
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00041**	**.00398**	**-.00064**
Stddev	.00010	.00016	.00125
%RSD	23.883	4.1265	194.41
#1	-.00034	.00386	.00024
#2	-.00048	.00409	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8217.7**	**104050.**	**8938.4**
Stddev	3.2	695.	6.0
%RSD	.03923	.66842	.06759
#1	8220.0	104540.	8942.6
#2	8215.4	103560.	8934.1

Sample Name: CCVL2363703 Acquired: 11/8/2013 2:07:44 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01117**	**.11726**	**.01461**	**.10065**	**.01121**	**.00098**	**.11460**	**.19199**	**.00522**	**.01111**	**.00995**	**.01472**	**.09391**
Stddev	.00031	.00074	.00091	.00074	.00027	.00010	.00090	.00418	.00027	.00003	.00001	.00046	.00197
%RSD	2.7771	.62790	6.2051	.73274	2.3702	10.371	.78719	2.1752	5.1927	.29341	.09382	3.1418	2.0957
#1	.01095	.11778	.01397	.10117	.01139	.00106	.11396	.18904	.00503	.01109	.00995	.01439	.09252
#2	.01139	.11674	.01525	.10013	.01102	.00091	.11524	.19495	.00541	.01113	.00994	.01505	.09530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1985**	F **.01312**	**.20759**	**.01098**	**.01819**	F **1.4493**	**.04093**	**2.7902**	**.01015**	**.00960**	**.01202**	**.01577**	**.45136**
Stddev	.0010	.00112	.00012	.00007	.00007	.0036	.00026	.0155	.00126	.00060	.00002	.00087	.00763
%RSD	.03293	8.5731	.05683	.62663	.37548	.25144	.62453	.55609	12.429	6.2092	.16646	5.5443	1.6907
#1	3.1992	.01233	.20767	.01094	.01824	1.4467	.04111	2.8011	.00926	.01002	.01204	.01639	.45675
#2	3.1978	.01392	.20751	.01103	.01814	1.4519	.04074	2.7792	.01104	.00918	.01201	.01515	.44596
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96590**	**.09586**	**.01064**	F **.02278**	**.01098**	**.01772**	F **.00109**	**.00988**	**.02156**	**.01764**
Stddev	.01633	.00074	.00010	.00058	.00038	.00012	.00235	.00003	.00008	.00007
%RSD	1.6907	.77238	.96997	2.5334	3.4330	.67674	216.16	.25805	.37449	.38891
#1	.97745	.09639	.01057	.02319	.01072	.01764	.00275	.00986	.02151	.01769
#2	.95436	.09534	.01072	.02238	.01125	.01781	-.00057	.00990	.02162	.01759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01500			.06000			
Range				30.000%			-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8437.9**	**106530.**	**9186.8**
Stddev	35.2	300.	25.5
%RSD	.41722	.28117	.27704
#1	8462.8	106740.	9204.8
#2	8413.0	106320.	9168.9

Sample Name: 280-48790-j-1-a Acquired: 11/8/2013 2:10:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**1.9000**	**.00335**	**.18241**	**.32689**	**.00005**	**-.00583**	**55.259**	**.02156**	**.00402**
Stddev	.00009	.0044	.00011	.00066	.00066	.00008	.00073	.090	.00009	.00027
%RSD	12.346	.22990	3.1515	.36360	.20050	166.01	12.567	.16354	.39569	6.6616
#1	.00064	1.8969	.00328	.18195	.32643	-.00001	-.00634	55.323	.02150	.00383
#2	.00076	1.9031	.00343	.18288	.32735	.00010	-.00531	55.195	.02162	.00421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00704**	**.16740**	**4.5434**	**9.2817**	**.05471**	**7.9446**	**.26418**	**.12985**	**42.805**	**.01265**
Stddev	.00020	.00007	.0109	.0738	.00183	.0224	.00068	.00006	.157	.00033
%RSD	2.8047	.04187	.24089	.79506	3.3428	.28243	.25670	.04691	.36687	2.5868
#1	.00718	.16735	4.5512	9.3339	.05342	7.9604	.26466	.12990	42.916	.01288
#2	.00690	.16745	4.5357	9.2295	.05601	7.9287	.26370	.12981	42.694	.01242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1340**	**.02547**	**9.4317**	**.00166**	**.00369**	**15.732**	**33.667**	**.00169**	**.56761**	**.00579**
Stddev	.0006	.00002	.0040	.00174	.00173	.011	.024	.00021	.00006	.00051
%RSD	.05605	.05955	.04188	104.43	46.807	.07018	.07018	12.477	.01038	8.8867
#1	1.1344	.02545	9.4289	.00043	.00247	15.725	33.651	.00154	.56765	.00543
#2	1.1335	.02548	9.4345	.00289	.00491	15.740	33.684	.00184	.56757	.00616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03545**	**-.00012**	**-.02512**	**.01325**	**.80672**	**.00517**
Stddev	.00037	.00180	.01085	.00051	.00381	.00011
%RSD	1.0482	1559.5	43.179	3.8829	.47232	2.0930
#1	.03572	-.00138	-.03279	.01288	.80941	.00509
#2	.03519	.00115	-.01745	.01361	.80403	.00524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8197.0**	**101950.**	**9186.5**
Stddev	4.3	304.	.2
%RSD	.05255	.29782	.00204
#1	8200.0	102160.	9186.4
#2	8193.9	101730.	9186.6

Sample Name: 280-48812-a-1-b Acquired: 11/8/2013 2:12:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**1.9484**	**.00414**	**.25094**	**.05684**	**.00005**	**-.00242**	**37.733**	**.00025**	**.00102**
Stddev	.00020	.0056	.00119	.00073	.00025	.00004	.00195	.080	.00028	.00015
%RSD	82.960	.28521	28.741	.29290	.43821	76.555	80.763	.21174	114.77	14.595
#1	.00038	1.9523	.00330	.25146	.05667	.00008	-.00380	37.677	.00005	.00113
#2	.00010	1.9444	.00498	.25042	.05702	.00002	-.00104	37.790	.00045	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**.02974**	**1.9204**	**5.1314**	**.00584**	**1.9682**	**.05938**	**.00417**	**16.138**	**.00643**
Stddev	.00042	.00025	.0015	.0336	.00220	.0054	.00004	.00007	.085	.00044
%RSD	9.5829	.84419	.08059	.65448	37.637	.27321	.06478	1.5930	.52822	6.8852
#1	.00473	.02992	1.9193	5.1076	.00739	1.9644	.05935	.00422	16.077	.00674
#2	.00413	.02956	1.9215	5.1551	.00428	1.9720	.05940	.00413	16.198	.00611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67601**	**.00647**	**13.377**	**.00226**	**.00208**	**5.7764**	**12.361**	**.00127**	**.23112**	**.00583**
Stddev	.00382	.00070	.045	.00170	.00088	.0080	.017	.00024	.00036	.00086
%RSD	.56441	10.762	.33337	75.314	42.452	.13889	.13889	19.045	.15453	14.755
#1	.67331	.00696	13.346	.00347	.00271	5.7820	12.374	.00144	.23087	.00522
#2	.67871	.00598	13.409	.00106	.00146	5.7707	12.349	.00110	.23137	.00644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05308**	**-.00139**	**-.04937**	**.01154**	**.14117**	**.00388**
Stddev	.00094	.00021	.03028	.00061	.00139	.00044
%RSD	1.7790	15.420	61.337	5.3046	.98587	11.252
#1	.05241	-.00155	-.02796	.01198	.14018	.00357
#2	.05375	-.00124	-.07078	.01111	.14215	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.2**	**103930.**	**9142.1**
Stddev	5.8	362.	16.7
%RSD	.07048	.34840	.18238
#1	8278.1	104190.	9130.3
#2	8286.3	103680.	9153.9

Sample Name: 280-48822-a-1-a Acquired: 11/8/2013 2:14:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01005**	**7.6720**	**.01863**	**.18647**	**.54766**	**.00031**	**.03159**	**90.581**	**.00214**	**.00833**
Stddev	.00057	.0531	.00197	.00165	.00073	.00005	.00089	.136	.00008	.00024
%RSD	5.6666	.69250	10.598	.88439	.13368	16.186	2.8123	.15002	3.6280	2.9212
#1	.01045	7.6344	.01724	.18530	.54714	.00035	.03097	90.485	.00208	.00816
#2	.00965	7.7095	.02003	.18764	.54818	.00027	.03222	90.677	.00219	.00850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03210**	**1.0119**	**23.492**	**44.943**	**.02386**	**30.343**	**1.2245**	**.01030**	**57.522**	**.03780**
Stddev	.00034	.0028	.024	.126	.00033	.027	.0003	.00024	.242	.00001
%RSD	1.0489	.27430	.10045	.28018	1.3926	.08823	.02485	2.3384	.42082	.01502
#1	.03186	1.0099	23.475	44.854	.02409	30.324	1.2243	.01048	57.351	.03781
#2	.03234	1.0138	23.509	45.032	.02362	30.362	1.2247	.01013	57.693	.03780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **45.490**	**.04128**	**32.716**	**.00443**	**.01284**	**17.636**	**37.740**	**.06611**	**.68449**	**.01045**
Stddev	.046	.00074	.014	.00035	.00133	.149	.319	.00000	.00081	.00103
%RSD	.10203	1.7869	.04157	7.9601	10.329	.84394	.84394	.00700	.11902	9.8161
#1	45.457	.04076	32.706	.00468	.01378	17.530	37.515	.06611	.68506	.01117
#2	45.523	.04181	32.725	.00418	.01190	17.741	37.966	.06610	.68391	.00972
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18411**	**-.00106**	W **-.07526**	**.01775**	**.64780**	**.03197**
Stddev	.00001	.00017	.04175	.00074	.00210	.00066
%RSD	.00576	15.918	55.469	4.1635	.32371	2.0736
#1	.18412	-.00094	-.04574	.01723	.64632	.03244
#2	.18411	-.00118	-.10478	.01827	.64929	.03151
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8215.5**	**102260.**	**9185.7**
Stddev	7.1	343.	66.2
%RSD	.08676	.33560	.72075
#1	8210.4	102500.	9232.5
#2	8220.5	102010.	9138.9

Sample Name: 280-48639-a-1-a Acquired: 11/8/2013 2:16:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.28823**	**.00053**	**.14653**	**.05322**	**-.00001**	**.00201**	**43.316**	**.00047**	**.00335**
Stddev	.00060	.00332	.00416	.00056	.00016	.00003	.00215	.098	.00039	.00011
%RSD	66.600	1.1502	784.68	.38319	.29761	242.69	106.98	.22510	81.511	3.4030
#1	.00133	.28589	-.00241	.14693	.05334	-.00004	.00353	43.385	.00075	.00343
#2	.00048	.29058	.00347	.14614	.05311	.00001	.00049	43.247	.00020	.00327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.02794**	**1.0158**	**14.813**	**.00626**	**9.6298**	**.06775**	**.00516**	**52.081**	**.00517**
Stddev	.00021	.00002	.0078	.044	.00014	.0131	.00002	.00001	.238	.00003
%RSD	30.186	.08221	.77276	.29440	2.1889	.13561	.03054	.25257	.45650	.50591
#1	.00054	.02792	1.0103	14.844	.00636	9.6390	.06777	.00517	52.249	.00515
#2	.00084	.02795	1.0214	14.782	.00616	9.6205	.06774	.00515	51.913	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6228**	**.00054**	**18.662**	**.00201**	**.00129**	**3.9725**	**8.5012**	**.00187**	**.18937**	**.00355**
Stddev	.0074	.00072	.016	.00088	.00210	.0031	.0067	.00012	.00021	.00119
%RSD	.20312	133.92	.08597	43.609	163.30	.07855	.07855	6.5635	.11255	33.540
#1	3.6280	.00003	18.673	.00139	-.00020	3.9747	8.5059	.00178	.18922	.00440
#2	3.6176	.00105	18.651	.00263	.00277	3.9703	8.4965	.00195	.18952	.00271
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01283**	**-.00073**	**-.01901**	**.00053**	**.05319**	**.00487**
Stddev	.00029	.00047	.05352	.00048	.00018	.00117
%RSD	2.2946	65.072	281.56	89.225	.34648	24.082
#1	.01262	-.00106	-.05686	.00020	.05306	.00404
#2	.01304	-.00039	.01884	.00087	.05332	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.0**	**102920.**	**9158.8**
Stddev	6.6	267.	24.1
%RSD	.08020	.25988	.26367
#1	8220.3	102730.	9141.7
#2	8229.7	103110.	9175.9

Sample Name: 280-48640-a-1-a Acquired: 11/8/2013 2:19:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199567 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.34482**	**.00378**	**.05657**	**.06589**	**.00001**	**-.00165**	**33.204**	**.00064**	**.00266**
Stddev	.00056	.00250	.00063	.00042	.00004	.00003	.00160	.047	.00010	.00024
%RSD	291.68	.72586	16.593	.74930	.06052	339.00	96.761	.14232	15.668	9.0943
#1	-.00059	.34659	.00333	.05627	.06586	-.00001	-.00278	33.171	.00057	.00284
#2	.00021	.34305	.00422	.05687	.06592	.00003	-.00052	33.238	.00071	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.02892**	**5.2785**	**18.358**	**.00679**	**9.0897**	**.19685**	**.00120**	**90.531**	**.00563**
Stddev	.00009	.00081	.0232	.018	.00260	.0144	.00025	.00013	.744	.00005
%RSD	16.935	2.7921	.43937	.09803	38.348	.15786	.12766	11.049	.82236	.92107
#1	.00059	.02950	5.2621	18.346	.00863	9.0796	.19703	.00111	90.004	.00559
#2	.00046	.02835	5.2949	18.371	.00495	9.0999	.19667	.00130	91.057	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1189**	**.00289**	**13.652**	**.00125**	**.00126**	**4.9133**	**10.514**	**.00251**	**.14976**	**.00343**
Stddev	.0198	.00036	.010	.00107	.00048	.0057	.012	.00003	.00042	.00003
%RSD	.47942	12.534	.07442	85.572	37.948	.11522	.11522	1.1036	.28362	.96811
#1	4.1050	.00315	13.659	.00049	.00160	4.9093	10.506	.00249	.14946	.00341
#2	4.1329	.00263	13.645	.00201	.00092	4.9173	10.523	.00253	.15006	.00345
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00981**	**-.00090**	W **-.05288**	**.00133**	**.08696**	**.00153**
Stddev	.00228	.00148	.08561	.00038	.00027	.00128
%RSD	23.231	164.02	161.90	28.334	.30908	83.785
#1	.01142	-.00195	.00766	.00106	.08677	.00062
#2	.00820	.00014	-.11341	.00160	.08715	.00244
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8172.5**	**101720.**	**9175.1**
Stddev	30.6	62.	69.7
%RSD	.37476	.06061	.76014
#1	8150.9	101760.	9125.8
#2	8194.2	101670.	9224.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 2:21:24 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00455**	**47.641**	k **-.00084**	k **.00504**	k **.00034**	k **-.00017**	kF **.85483**	k **-.02647**	k **-.00131**	k **.00078**	k **-.00105**
Stddev	.00045	.024	.00373	.00035	.00003	.00008	.00800	.00038	.00025	.00003	.00011
%RSD	9.9344	.05067	441.70	6.8892	8.8941	48.530	.93631	1.4474	19.088	4.0940	10.901
#1	k .00486	47.624	k .00179	k .00479	k .00036	k -.00011	k .84917	k -.02674	k -.00149	k .00076	k -.00097
#2	k .00423	47.658	k -.00348	k .00529	k .00032	k -.00023	k .86049	k -.02620	k -.00114	k .00081	k -.00113
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01275**	F **43.013**	**.16211**	k **.00145**	k **-.28438**	k **-.00131**	k **-.00148**	**243.00**	k **.00155**	k **.00366**	k **.01061**
Stddev	.00091	.018	.01520	.00082	.00034	.00001	.00010	.59	.00032	.00112	.00078
%RSD	7.1405	.04255	9.3784	56.452	.12003	.74731	7.0378	.24318	20.619	30.633	7.3195
#1	k .01211	43.026	.17286	k .00087	k -.28462	k -.00132	k -.00155	242.58	k .00178	k .00287	k .01116
#2	k .01339	43.000	.15136	k .00203	k -.28414	k -.00130	k -.00140	243.42	k .00133	k .00446	k .01006
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9354**	k **.00167**	k **-.00388**	k **.00048**	k **.00102**	k **.00099**	**.00045**	kW **5.2791**	k **.01460**	k **-.00163**	kW **10.983**
Stddev	.0320	.00056	.00212	.00829	.01774	.00090	.00012	.0024	.00038	.00175	.052
%RSD	.64813	33.339	54.618	1742.8	1742.8	91.663	26.131	.04506	2.6235	107.31	.47799
#1	k 4.9127	k .00206	k -.00238	k -.00539	k -.01153	k .00035	.00037	k 5.2774	k .01433	k -.00287	k 10.946
#2	k 4.9580	k .00127	k -.00538	k .00634	k .01356	k .00162	.00053	k 5.2808	k .01487	k -.00039	k 11.020
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00107**	k **.00212**	k **.20082**
Stddev	.00048	.00026	.00040
%RSD	44.311	12.101	.19751
#1	k .00141	k .00230	k .20054
#2	k .00074	k .00194	k .20110
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8118.0**	**99508.**	**9027.9**
Stddev	24.8	308.	11.5
%RSD	.30516	.30935	.12711
#1	8100.5	99726.	9036.0
#2	8135.6	99290.	9019.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 2:23:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49930**	**.54583**	**.93944**	**.48840**	**.53474**	**.48372**	**.00197**	**4.7746**	**.50925**	**.51866**	**.47020**	**.52433**
Stddev	.00115	.00120	.00123	.00040	.00014	.00078	.00120	.0085	.00002	.00012	.00105	.00213
%RSD	.22973	.22052	.13135	.08146	.02649	.16062	60.806	.17874	.00343	.02366	.22232	.40606
#1	.49849	.54669	.94031	.48868	.53464	.48317	.00112	4.7807	.50926	.51875	.47094	.52282
#2	.50012	.54498	.93857	.48812	.53484	.48427	.00282	4.7686	.50924	.51858	.46946	.52583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2994**	**49.858**	**.99805**	**18.609**	**.51761**	W **.44966**	W **5.5128**	**.48315**	**.91771**	**1.0021**	**.00486**	**1.0624**
Stddev	.0121	.026	.00438	.012	.00076	.00079	.0448	.00063	.00532	.0005	.00073	.0020
%RSD	.52822	.05186	.43873	.06478	.14752	.17466	.81283	.12958	.57954	.05013	15.058	.18846
#1	2.3080	49.839	1.0011	18.618	.51707	.45022	5.5444	.48359	.91395	1.0024	.00434	1.0638
#2	2.2908	49.876	.99495	18.601	.51815	.44911	5.4811	.48271	.92147	1.0017	.00537	1.0610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value						.50000	5.0000					
Range						-10.000%	10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95660**	**4.5246**	**9.6826**	**.90528**	**.51427**	**.00132**	**.53456**	**1.0542**	**-.03446**	**.49499**	**.46308**	**.50345**
Stddev	.00388	.0316	.0676	.00288	.00106	.00119	.00055	.0016	.02870	.00055	.00117	.00314
%RSD	.40583	.69834	.69834	.31850	.20688	90.292	.10327	.15286	83.296	.11184	.25255	.62464
#1	.95935	4.5022	9.6348	.90732	.51502	.00048	.53417	1.0531	-.01416	.49539	.46391	.50567
#2	.95386	4.5469	9.7304	.90324	.51351	.00216	.53495	1.0553	-.05476	.49460	.46226	.50122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8330.7**	**103590.**	**9096.8**
Stddev	14.2	16.	49.2
%RSD	.17088	.01590	.54127
#1	8320.6	103580.	9061.9
#2	8340.8	103600.	9131.6

Sample Name: CCB Acquired: 11/8/2013 2:25:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00132**	**-.00108**	**.00173**	W **.00059**	**.00000**	**.00233**	**.01413**	**-.00019**	**.00025**	**.00006**
Stddev	.00058	.00063	.00164	.00009	.00048	.0001	.00039	.02447	.00022	.00008	.00004
%RSD	99.374	47.378	152.08	5.4554	80.996	1920.1	16.576	173.19	116.92	31.625	61.597
#1	.00017	.00176	-.00224	.00166	.00025	-.00005	.00206	-.00317	-.00035	.00031	.00003
#2	.00100	.00088	.00008	.00179	.00093	.00004	.00261	.03144	-.00003	.00019	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00237**	**.00783**	**.15248**	**.00088**	**.00069**	**-.00002**	**.00024**	F **.30724**	**.00018**	**.00098**	**.00037**
Stddev	.00039	.01501	.01214	.00127	.00054	.00000	.00010	.08037	.00029	.00018	.00050
%RSD	16.409	191.69	7.9589	143.65	78.720	1.4116	42.336	26.159	164.33	18.912	135.88
#1	-.00264	-.00278	.16106	.00178	.00031	-.00002	.00017	.25041	.00039	.00111	.00073
#2	-.00209	.01845	.14390	-.00001	.00107	-.00002	.00031	.36407	-.00003	.00085	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01138**	W **.00455**	**-.00033**	**-.01541**	**-.03298**	**.00045**	W **.00031**	**.00582**	**-.00036**	**-.00068**	F **-.05333**
Stddev	.00240	.00213	.00088	.00259	.00555	.00039	.00021	.00026	.00029	.00034	.00142
%RSD	21.087	46.852	263.21	16.824	16.824	84.940	69.119	4.4552	78.933	49.828	2.6686
#1	.00969	.00304	-.00096	-.01358	-.02906	.00018	.00016	.00601	-.00016	-.00092	-.05233
#2	.01308	.00606	.00029	-.01725	-.03691	.00073	.00046	.00564	-.00056	-.00044	-.05434
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314					.00030				.05000
Low Limit		-.00314					-.00030				-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00048**	**.00387**	**.00075**
Stddev	.00027	.00006	.00205
%RSD	56.835	1.4675	274.37
#1	-.00067	.00391	.00219
#2	-.00029	.00383	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8245.4**	**103270.**	**8910.0**
Stddev	14.4	239.	78.1
%RSD	.17503	.23140	.87667
#1	8235.2	103440.	8854.8
#2	8255.7	103100.	8965.2

Sample Name: CCVL2363703 Acquired: 11/8/2013 2:28:14 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01101**	**.11711**	**.01710**	**.09938**	**.01135**	**.00096**	**.11372**	**.19402**	**.00521**	**.01106**	**.00976**	**.01442**	**.09117**
Stddev	.00077	.00017	.00211	.00001	.00034	.00004	.00334	.00144	.00007	.00020	.00009	.00002	.00130
%RSD	6.9654	.14461	12.331	.00910	2.9761	4.0978	2.9336	.74138	1.2661	1.8241	.91272	.16545	1.4219
#1	.01047	.11699	.01561	.09937	.01111	.00099	.11608	.19300	.00526	.01091	.00983	.01440	.09209
#2	.01155	.11723	.01859	.09938	.01159	.00093	.11136	.19503	.00517	.01120	.00970	.01443	.09026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1963**	**.01191**	**.20370**	**.01087**	**.01800**	F **1.3032**	**.04094**	**2.7534**	**.01050**	**.00924**	F **.01313**	**.01455**	**.43965**
Stddev	.0196	.00010	.00220	.00002	.00007	.0061	.00020	.0079	.00076	.00048	.00191	.00102	.00732
%RSD	.61322	.80752	1.0800	.20805	.39517	.46562	.48393	.28839	7.1972	5.2352	14.561	7.0388	1.6657
#1	3.1825	.01198	.20526	.01088	.01795	1.2989	.04080	2.7478	.00996	.00958	.01449	.01528	.44483
#2	3.2102	.01184	.20215	.01085	.01805	1.3075	.04108	2.7590	.01103	.00890	.01178	.01383	.43447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value						1.0000					.01000		
Range						30.000%					30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94085**	**.09490**	**.01058**	F **.02072**	**.01049**	**.01735**	**.04644**	**.00953**	**.02214**	**.01611**
Stddev	.01567	.00032	.00005	.00003	.00018	.00021	.06819	.00026	.00022	.00007
%RSD	1.6657	.33640	.45578	.12570	1.7533	1.1817	146.83	2.7167	.98948	.42872
#1	.95194	.09468	.01055	.02071	.01062	.01721	.09466	.00935	.02229	.01616
#2	.92977	.09513	.01062	.02074	.01036	.01750	-.00178	.00972	.02198	.01606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01500						
Range				30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8497.9**	**106200.**	**9134.9**
Stddev	22.1	107.	126.0
%RSD	.25971	.10091	1.3795
#1	8513.5	106280.	9224.1
#2	8482.3	106130.	9045.8

Sample Name: mb 280-198949/1-b Acquired: 11/8/2013 2:30:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00446**	**.00123**	**.00138**	**.00020**	**-.00005**	**.00224**	**.00719**	**-.00015**	**-.00002**
Stddev	.00003	.00026	.00220	.00101	.00026	.00003	.00130	.00388	.00004	.00015
%RSD	6.4659	5.7719	178.46	73.670	130.59	54.549	58.142	54.056	23.796	1015.7
#1	.00051	.00464	-.00032	.00209	.00002	-.00007	.00132	.00993	-.00013	.00009
#2	.00055	.00427	.00279	.00066	.00038	-.00003	.00316	.00444	-.00018	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00188**	**.00053**	**.07505**	**-.00085**	**.00503**	W **.00679**	**.00021**	**.24713**	**.00010**
Stddev	.00008	.00015	.00163	.02371	.00197	.00224	.00001	.00009	.01556	.00022
%RSD	266.80	8.2319	309.80	31.595	230.82	44.589	.13696	44.675	6.2959	216.54
#1	-.00003	-.00177	-.00063	.05828	-.00224	.00344	.00679	.00028	.25813	-.00005
#2	.00008	-.00199	.00168	.09182	.00054	.00662	.00680	.00014	.23613	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00500			
Low Limit							-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00043**	**.02449**	**.00152**	**.00053**	**-.01840**	**-.03937**	**.00065**	**.00011**	W **.00540**
Stddev	.00044	.00033	.00128	.00268	.00268	.01184	.02535	.00067	.00004	.00099
%RSD	39.254	76.795	5.2370	176.49	509.15	64.372	64.372	103.61	36.803	18.362
#1	.00144	.00067	.02358	-.00038	.00242	-.01002	-.02145	.00017	.00008	.00610
#2	.00081	.00020	.02539	.00341	-.00137	-.02677	-.05729	.00113	.00014	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00500
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00140**	**-.01613**	**.00021**	**.00465**	**.00247**
Stddev	.00014	.00047	.00824	.00013	.00013	.00029
%RSD	89.189	33.727	51.081	60.125	2.7483	11.583
#1	.00006	-.00173	-.01030	.00012	.00474	.00226
#2	.00026	-.00106	-.02196	.00030	.00456	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8406.8**	**105220.**	**9250.0**
Stddev	11.6	217.	86.3
%RSD	.13823	.20608	.93266
#1	8415.0	105070.	9189.0
#2	8398.6	105380.	9311.0

Sample Name: lcs 280-198949/2-b Acquired: 11/8/2013 2:32:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**2.0864**	**.95127**	**.98500**	**2.1794**	**.04852**	**2.0042**	**47.594**	**.10585**	**.51115**
Stddev	.00036	.0052	.00097	.00385	.0021	.00012	.0032	.025	.00042	.00017
%RSD	.72436	.24749	.10151	.39113	.09756	.25244	.16209	.05279	.40089	.03263
#1	.04990	2.0828	.95059	.98228	2.1779	.04843	2.0019	47.576	.10555	.51126
#2	.05042	2.0901	.95195	.98773	2.1809	.04861	2.0065	47.612	.10615	.51103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19022**	**.26467**	**.92870**	**51.044**	**1.0149**	**47.272**	**.51981**	**.91410**	**51.551**	**.47757**
Stddev	.00021	.00019	.00516	.147	.0028	.004	.00044	.00040	.466	.00073
%RSD	.11303	.07096	.55577	.28883	.27958	.00908	.08418	.04409	.90330	.15240
#1	.19007	.26454	.92505	50.940	1.0129	47.275	.51950	.91439	51.221	.47706
#2	.19037	.26481	.93235	51.148	1.0169	47.269	.52012	.91382	51.880	.47808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4090**	**.49081**	**.05579**	**.52570**	**1.9417**	**9.3131**	**19.930**	**1.8270**	**1.0436**	**1.0575**
Stddev	.0020	.00155	.00030	.00474	.0031	.1181	.253	.0017	.0028	.0012
%RSD	.02167	.31602	.54507	.90211	.16118	1.2681	1.2681	.09417	.26938	.11456
#1	9.4075	.48971	.05600	.52235	1.9395	9.2296	19.751	1.8258	1.0416	1.0584
#2	9.4104	.49190	.05557	.52906	1.9439	9.3966	20.109	1.8282	1.0456	1.0566
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0891**	**2.0385**	**2.2427**	**.50358**	**.46529**	**.51568**
Stddev	.0013	.0004	.0492	.00174	.00177	.00331
%RSD	.12347	.02148	2.1919	.34543	.38045	.64235
#1	1.0882	2.0382	2.2775	.50235	.46654	.51334
#2	1.0901	2.0388	2.2079	.50481	.46404	.51802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8045.7**	**99128.**	**8786.8**
Stddev	.6	125.	73.4
%RSD	.00753	.12593	.83546
#1	8046.1	99216.	8734.9
#2	8045.3	99039.	8838.7

Sample Name: 280-48630-d-1-b Acquired: 11/8/2013 2:34:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.01379**	**.00269**	**.02677**	**.14305**	**-.00002**	**-.00418**	**40.417**	**.00013**	**-.00032**
Stddev	.00070	.00040	.00104	.00038	.00031	.00007	.00141	.027	.00014	.00012
%RSD	98.970	2.9065	38.711	1.4228	.21607	316.13	33.806	.06795	107.15	36.390
#1	.00120	.01350	.00343	.02651	.14283	.00003	-.00518	40.436	.00003	-.00024
#2	.00021	.01407	.00195	.02704	.14327	-.00008	-.00318	40.397	.00023	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**-.00153**	**.01834**	**4.3927**	**.01599**	**7.2100**	**.00149**	**.00217**	**8.5558**	**.00057**
Stddev	.00007	.00012	.00320	.0282	.00001	.0137	.00006	.00036	.0157	.00020
%RSD	7.4039	7.7963	17.432	.64202	.06205	.18978	4.0310	16.520	.18376	34.403
#1	.00102	-.00161	.02060	4.4126	.01599	7.2003	.00144	.00192	8.5669	.00071
#2	.00092	-.00144	.01608	4.3728	.01600	7.2196	.00153	.00242	8.5447	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01818**	**-.00052**	**2.1422**	**.00058**	**.00286**	**23.256**	**49.769**	**.00100**	**.30664**	**.00600**
Stddev	.00102	.00041	.0012	.00249	.00040	.009	.019	.00017	.00053	.00285
%RSD	5.6056	78.467	.05577	431.01	14.040	.03890	.03890	17.053	.17391	47.387
#1	.01890	-.00081	2.1430	-.00118	.00258	23.250	49.755	.00088	.30626	.00802
#2	.01746	-.00023	2.1413	.00234	.00314	23.263	49.783	.00112	.30702	.00399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00014**	**-.02978**	**.00937**	**.00746**	**-.00061**
Stddev	.00039	.00033	.02298	.00029	.00049	.00041
%RSD	894.96	240.54	77.139	3.0892	6.6168	66.016
#1	.00032	.00010	-.01354	.00957	.00711	-.00033
#2	-.00023	-.00037	-.04603	.00916	.00781	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8296.3**	**103440.**	**8955.6**
Stddev	16.1	66.	8.7
%RSD	.19362	.06388	.09739
#1	8307.7	103490.	8949.4
#2	8285.0	103390.	8961.7

Sample Name: 280-48630-d-1-bSD@5 Acquired: 11/8/2013 2:37:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.01486**	**.00185**	**.00630**	**.02931**	**-.00001**	**.00012**	**8.2579**	**-.00007**	**-.00002**
Stddev	.00008	.00007	.00185	.00001	.00028	.00002	.00392	.0079	.00009	.00020
%RSD	20.864	.50327	99.628	.21497	.94762	177.99	3329.7	.09518	127.05	1134.9
#1	.00043	.01491	.00055	.00631	.02951	.00000	.00289	8.2635	-.00001	.00013
#2	.00032	.01480	.00316	.00629	.02912	-.00003	-.00265	8.2524	-.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00172**	**.01775**	**.98888**	**.00585**	**1.5026**	**.00049**	**.00041**	**1.9289**	**.00025**
Stddev	.00006	.00018	.00173	.01540	.00230	.0004	.00005	.00010	.0030	.00024
%RSD	42.045	10.196	9.7361	1.5571	39.210	.02427	10.459	23.559	.15605	95.295
#1	.00018	-.00184	.01897	.97799	.00748	1.5023	.00045	.00034	1.9310	.00008
#2	.00010	-.00159	.01652	.99977	.00423	1.5029	.00052	.00048	1.9267	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	**.00042**	**.43150**	**.00236**	**.00102**	**4.6471**	**9.9448**	**.00232**	**.06269**	**.00435**
Stddev	.00193	.00067	.00270	.00011	.00269	.0050	.0107	.00012	.00007	.00077
%RSD	56.192	161.30	.62685	4.8241	264.52	.10723	.10723	5.0552	.10487	17.630
#1	.00207	.00090	.43341	.00228	.00292	4.6506	9.9523	.00223	.06264	.00489
#2	.00479	-.00006	.42958	.00244	-.00089	4.6436	9.9373	.00240	.06274	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.00021**	W **-.05054**	**.00140**	**.00814**	**.00143**
Stddev	.00002	.00068	.00066	.00032	.00010	.00334
%RSD	5.5950	325.41	1.3051	22.502	1.2239	233.70
#1	-.00038	-.00069	-.05100	.00118	.00821	.00379
#2	-.00041	.00027	-.05007	.00163	.00807	-.00093
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8313.6**	**103250.**	**8876.1**
Stddev	2.9	209.	20.6
%RSD	.03513	.20290	.23235
#1	8311.6	103390.	8890.7
#2	8315.7	103100.	8861.6

Sample Name: 280-48630-d-1-c ms Acquired: 11/8/2013 2:39:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04856**	**2.0612**	**.93796**	**.98776**	**2.2793**	**.04750**	F **1.9509**	**87.154**	**.10398**	**.49952**
Stddev	.00082	.0008	.00178	.00032	.0015	.00028	.0068	.078	.00037	.00082
%RSD	1.6801	.04079	.18932	.03284	.06519	.59951	.34918	.08952	.35145	.16353
#1	.04798	2.0618	.93922	.98799	2.2804	.04730	1.9460	87.209	.10424	.50010
#2	.04914	2.0606	.93671	.98753	2.2783	.04770	1.9557	87.099	.10372	.49894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18665**	**.26167**	**.91549**	**54.566**	**1.0116**	**53.296**	**.50912**	**.89486**	**58.528**	**.46542**
Stddev	.00004	.00088	.00000	.067	.0031	.094	.00080	.00041	.063	.00070
%RSD	.02272	.33765	.00051	.12268	.30178	.17694	.15698	.04607	.10706	.15015
#1	.18668	.26230	.91549	54.519	1.0138	53.363	.50968	.89515	58.484	.46592
#2	.18662	.26105	.91549	54.613	1.0095	53.229	.50855	.89457	58.573	.46493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.1583**	**.47622**	**2.2094**	**.51766**	**1.9005**	**32.775**	**70.139**	**1.7865**	**1.3308**	**1.0341**
Stddev	.0030	.00060	.0066	.00387	.0027	.027	.057	.0047	.0025	.0057
%RSD	.03320	.12654	.29781	.74790	.14190	.08130	.08130	.26240	.19050	.55170
#1	9.1604	.47665	2.2141	.52040	1.8986	32.756	70.099	1.7899	1.3326	1.0381
#2	9.1561	.47580	2.2048	.51492	1.9024	32.794	70.179	1.7832	1.3290	1.0300
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0719**	**1.9824**	**2.2569**	**.50612**	**.45714**	**.50367**
Stddev	.0012	.0014	.0745	.00106	.00458	.00660
%RSD	.11476	.06885	3.2988	.20864	1.0016	1.3102
#1	1.0728	1.9833	2.2042	.50686	.46037	.49900
#2	1.0710	1.9814	2.3095	.50537	.45390	.50833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7940.9**	**98208.**	**8760.4**
Stddev	.6	579.	19.7
%RSD	.00762	.58994	.22489
#1	7940.4	97798.	8746.5
#2	7941.3	98618.	8774.3

Sample Name: 280-48630-d-1-d msd Acquired: 11/8/2013 2:41:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04901**	**2.0607**	**.93984**	**.99552**	**2.2995**	**.04789**	F **1.9611**	**87.505**	**.10444**	**.50180**
Stddev	.00017	.0033	.00072	.00188	.0116	.00013	.0094	.353	.00008	.00180
%RSD	.35618	.15926	.07695	.18893	.50256	.27263	.47897	.40306	.08101	.35925
#1	.04889	2.0630	.94035	.99685	2.3077	.04780	1.9678	87.754	.10450	.50307
#2	.04914	2.0584	.93933	.99419	2.2914	.04799	1.9545	87.256	.10439	.50052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18808**	**.26309**	**.91010**	**55.031**	**1.0175**	**53.561**	**.51210**	**.90186**	**58.630**	**.46803**
Stddev	.00082	.00206	.00294	.151	.0051	.084	.00016	.00407	.053	.00419
%RSD	.43577	.78465	.32306	.27493	.49706	.15735	.03103	.45081	.09085	.89463
#1	.18866	.26163	.90802	55.138	1.0211	53.620	.51222	.90474	58.592	.47099
#2	.18750	.26455	.91218	54.924	1.0140	53.501	.51199	.89899	58.668	.46506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2038**	**.47814**	**2.1963**	**.51982**	**1.9072**	**32.825**	**70.246**	**1.8018**	**1.3400**	**1.0427**
Stddev	.0338	.00478	.0107	.00164	.0147	.116	.247	.0081	.0053	.0008
%RSD	.36720	.99985	.48513	.31482	.76788	.35230	.35230	.44732	.39841	.07591
#1	9.2277	.48152	2.2038	.51867	1.9176	32.907	70.421	1.8075	1.3437	1.0421
#2	9.1799	.47476	2.1887	.52098	1.8969	32.744	70.071	1.7961	1.3362	1.0432
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0813**	**1.9894**	**2.2548**	**.50811**	**.45635**	**.51063**
Stddev	.0032	.0133	.0071	.00073	.00039	.00052
%RSD	.29114	.66934	.31419	.14341	.08485	.10108
#1	1.0791	1.9988	2.2498	.50863	.45662	.51027
#2	1.0835	1.9799	2.2599	.50760	.45607	.51100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7945.7**	**98311.**	**8753.1**
Stddev	43.9	94.	19.8
%RSD	.55286	.09607	.22665
#1	7914.6	98378.	8739.1
#2	7976.8	98244.	8767.1

Sample Name: 280-48630-c-2-b Acquired: 11/8/2013 2:43:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00445**	**.00566**	**.05971**	**.17537**	**-.00003**	**-.00561**	**61.038**	**.00007**	**-.00025**
Stddev	.00032	.00037	.00077	.00068	.00019	.00008	.00181	.243	.00024	.00037
%RSD	60.893	8.2229	13.655	1.1322	.10668	237.81	32.366	.39809	370.43	150.34
#1	.00075	.00419	.00512	.05923	.17524	.00002	-.00432	60.867	-.00011	-.00051
#2	.00030	.00471	.00621	.06018	.17550	-.00009	-.00689	61.210	.00024	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00092**	**.00909**	**3.9735**	**.02619**	**10.792**	**.00961**	**.00129**	**9.2822**	**.00038**
Stddev	.00004	.00025	.00402	.0023	.00294	.012	.00001	.00030	.0396	.00021
%RSD	6.7498	27.042	44.224	.05816	11.242	.11345	.12648	23.427	.42633	53.907
#1	.00054	-.00110	.00625	3.9719	.02827	10.783	.00960	.00108	9.2542	.00024
#2	.00059	-.00074	.01193	3.9752	.02411	10.800	.00962	.00151	9.3102	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06448**	**-.00073**	**4.5350**	**.00002**	**.00312**	**20.105**	**43.025**	**.00005**	**.26212**	**.00570**
Stddev	.00159	.00054	.0307	.00080	.00271	.143	.305	.00084	.00007	.00037
%RSD	2.4609	75.089	.67632	3447.8	86.758	.70910	.70910	1706.2	.02790	6.5460
#1	.06336	-.00111	4.5133	.00059	.00504	20.005	42.810	-.00054	.26217	.00544
#2	.06560	-.00034	4.5567	-.00055	.00121	20.206	43.241	.00064	.26206	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00130**	W **-.06312**	**.00973**	**.05652**	**-.00006**
Stddev	.00004	.00018	.00088	.00014	.00006	.00042
%RSD	145.29	13.545	1.3881	1.4391	.11107	659.79
#1	.00005	.00142	-.06374	.00963	.05656	.00024
#2	.00000	.00117	-.06250	.00983	.05648	-.00036
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8182.3**	**101530.**	**8892.7**
Stddev	15.8	554.	92.7
%RSD	.19305	.54546	1.0423
#1	8171.1	101920.	8958.2
#2	8193.4	101140.	8827.1

Sample Name: 280-48630-c-3-b Acquired: 11/8/2013 2:46:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00469**	**.00264**	**.03021**	**.11075**	**-.00003**	**-.00484**	**41.153**	**.00005**	**-.00031**
Stddev	.00051	.00001	.00087	.00032	.00016	.00003	.00185	.093	.00008	.00018
%RSD	92.816	.21566	32.810	1.0690	.14539	117.11	38.311	.22542	163.86	59.004
#1	.00019	.00470	.00203	.03044	.11086	-.00005	-.00615	41.219	.00011	-.00044
#2	.00090	.00469	.00326	.02998	.11063	.00000	-.00353	41.087	-.00001	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**-.00145**	**.00876**	**4.0856**	**.01788**	**8.2604**	**.00042**	**.00155**	**6.9132**	**.00009**
Stddev	.00002	.00001	.00280	.0422	.00030	.0011	.00002	.00043	.0657	.00049
%RSD	1.8285	.86289	31.939	1.0338	1.6789	.01343	3.6649	27.923	.95085	528.43
#1	.00135	-.00144	.01073	4.1155	.01767	8.2596	.00043	.00185	6.9596	.00044
#2	.00138	-.00146	.00678	4.0557	.01810	8.2612	.00041	.00124	6.8667	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02204**	**-.00038**	**2.8550**	**.00119**	**.00126**	**23.199**	**49.647**	**.00031**	**.30739**	**.00422**
Stddev	.00020	.00049	.0146	.00110	.00194	.065	.138	.00023	.00049	.00056
%RSD	.92740	130.55	.51084	92.613	154.35	.27809	.27809	74.991	.15806	13.275
#1	.02219	-.00003	2.8446	.00041	-.00012	23.154	49.549	.00015	.30773	.00462
#2	.02190	-.00073	2.8653	.00197	.00264	23.245	49.744	.00048	.30705	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00016**	**-.01916**	**.01199**	**.04131**	**-.00029**
Stddev	.00035	.00118	.00618	.00047	.00009	.00027
%RSD	181.55	730.70	32.263	3.9059	.22594	92.122
#1	-.00005	.00067	-.01479	.01166	.04125	-.00049
#2	.00044	-.00099	-.02353	.01232	.04138	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8260.2**	**101930.**	**8867.1**
Stddev	14.0	154.	103.7
%RSD	.16929	.15138	1.1694
#1	8250.3	102040.	8793.7
#2	8270.1	101830.	8940.4

Sample Name: 280-48800-b-1-b Acquired: 11/8/2013 2:48:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199580 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.02542**	**.00290**	**.00509**	**.01617**	**-.00002**	**.00222**	**19.786**	**-.00007**	**.00006**
Stddev	.00024	.00023	.00122	.00051	.00014	.00003	.00052	.033	.00012	.00012
%RSD	20.631	.90875	42.196	9.9969	.87717	133.80	23.358	.16792	178.68	195.06
#1	.00134	.02558	.00377	.00545	.01607	-.00005	.00185	19.809	-.00015	.00015
#2	.00100	.02526	.00204	.00473	.01627	.00000	.00259	19.762	.00002	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00345**	**.01321**	**.74137**	**.00319**	**1.3158**	**.00038**	**.00064**	**4.6629**	**.00008**
Stddev	.00002	.00048	.00278	.00163	.00145	.0021	.00001	.00003	.0081	.00029
%RSD	4.4169	14.014	21.051	.21976	45.394	.16267	3.8905	4.4533	.17463	391.60
#1	.00041	.00379	.01518	.74022	.00421	1.3173	.00039	.00066	4.6687	.00028
#2	.00039	.00311	.01125	.74252	.00216	1.3143	.00037	.00062	4.6572	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**.00084**	**3.8941**	**.00284**	**.00068**	**2.4586**	**5.2615**	**.00023**	**.05648**	**.00511**
Stddev	.00188	.00060	.0053	.00364	.00037	.0019	.0040	.00067	.00007	.00069
%RSD	51.143	70.940	.13536	128.31	54.961	.07546	.07546	287.56	.13132	13.486
#1	.00234	.00042	3.8903	.00026	.00041	2.4599	5.2643	.00071	.05653	.00560
#2	.00500	.00126	3.8978	.00542	.00094	2.4573	5.2587	-.00024	.05642	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00020**	**-.03647**	**-.00039**	**.00533**	**.00033**
Stddev	.00005	.00041	.00009	.00007	.00032	.00263
%RSD	21.422	201.97	.25619	17.430	6.0748	799.02
#1	-.00021	.00049	-.03641	-.00044	.00555	.00219
#2	-.00029	-.00009	-.03654	-.00034	.00510	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8283.5**	**103900.**	**9004.4**
Stddev	14.4	139.	19.2
%RSD	.17356	.13370	.21314
#1	8293.6	104000.	9017.9
#2	8273.3	103810.	8990.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 2:50:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00415**	**47.868**	k **-.00399**	k **.00584**	k **.00093**	k **-.00005**	kF **.83778**	k **-.02008**	k **-.00129**	k **.00088**	k **-.00087**
Stddev	.00006	.002	.00171	.00053	.00024	.00003	.00034	.00368	.00018	.00008	.00021
%RSD	1.3641	.00345	42.862	9.0143	25.991	58.649	.04053	18.309	13.705	9.1814	24.480
#1	k .00411	47.867	k -.00520	k .00621	k .00076	k -.00008	k .83802	k -.01748	k -.00116	k .00094	k -.00102
#2	k .00419	47.869	k -.00278	k .00547	k .00111	k -.00003	k .83754	k -.02268	k -.00141	k .00082	k -.00072
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01252**	F **42.788**	**.14802**	k **.00056**	k **-.27849**	k **-.00136**	k **-.00172**	**243.92**	k **.00161**	k **.00184**	k **.00955**
Stddev	.00029	.117	.03558	.00099	.00177	.00006	.00029	.34	.00025	.00094	.00132
%RSD	2.3456	.27352	24.035	177.13	.63393	4.7799	16.856	.13887	15.249	50.971	13.788
#1	k .01273	42.705	.17318	k -.00014	k -.27724	k -.00131	k -.00151	244.16	k .00178	k .00251	k .01049
#2	k .01231	42.871	.12286	k .00125	k -.27974	k -.00140	k -.00192	243.68	k .00144	k .00118	k .00862
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.8714**	k **.00354**	k **-.00093**	k **.00307**	k **.00658**	k **.00025**	**.00050**	kW **5.2803**	k **.01476**	k **-.00169**	kW **11.038**
Stddev	.0025	.00080	.00078	.00535	.01144	.00097	.00012	.0131	.00046	.00019	.024
%RSD	.05123	22.657	83.705	173.84	173.84	389.06	24.448	.24826	3.0900	11.124	.21719
#1	k 4.8696	k .00410	k -.00038	k .00685	k .01467	k .00093	.00041	k 5.2710	k .01443	k -.00156	k 11.055
#2	k 4.8731	k .00297	k -.00149	k -.00070	k -.00151	k -.00043	.00059	k 5.2895	k .01508	k -.00182	k 11.021
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00070**	k **.00268**	k **.20038**
Stddev	.00125	.00029	.00047
%RSD	178.06	10.860	.23337
#1	k .00158	k .00247	k .20071
#2	k -.00018	k .00288	k .20005
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7967.1**	**96904.**	**8594.6**
Stddev	7.5	370.	19.4
%RSD	.09403	.38181	.22577
#1	7961.8	96642.	8580.9
#2	7972.4	97165.	8608.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 2:53:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49697**	F **.55624**	**.93731**	**.48534**	**.53460**	**.48013**	**.00322**	**4.7468**	**.50695**	**.51903**	**.46804**	**.52096**
Stddev	.00188	.00148	.00052	.00159	.00035	.00126	.00054	.0079	.00013	.00022	.00020	.00065
%RSD	.37832	.26626	.05598	.32842	.06573	.26292	16.918	.16725	.02474	.04202	.04169	.12394
#1	.49830	.55728	.93694	.48422	.53435	.47924	.00361	4.7524	.50687	.51888	.46818	.52051
#2	.49564	.55519	.93769	.48647	.53485	.48103	.00284	4.7412	.50704	.51919	.46790	.52142
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2958**	**49.701**	**.99832**	**18.625**	**.51829**	W **.44861**	**5.4677**	**.48285**	**.90548**	**.99846**	**-.00080**	**1.0559**
Stddev	.0011	.016	.00094	.047	.00013	.00167	.0055	.00009	.00067	.00307	.00111	.0022
%RSD	.04632	.03124	.09375	.25395	.02553	.37159	.10084	.01896	.07351	.30717	139.33	.20962
#1	2.2950	49.690	.99766	18.659	.51820	.44743	5.4638	.48292	.90595	.99629	-.00158	1.0543
#2	2.2965	49.712	.99898	18.592	.51838	.44979	5.4716	.48279	.90501	1.0006	-.00001	1.0574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value						.50000						
Range						-10.000%						

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94895**	W **4.4948**	W **9.6188**	**.90469**	**.51194**	**.00199**	**.53518**	**1.0533**	**-.03158**	**.49500**	**.46405**	**.50424**
Stddev	.00323	.0063	.0135	.00138	.00002	.00175	.00098	.0011	.01243	.00103	.00209	.00207
%RSD	.34031	.14047	.14047	.15289	.00389	87.865	.18288	.10262	39.350	.20780	.45011	.41059
#1	.95123	4.4903	9.6093	.90371	.51195	.00322	.53449	1.0541	-.04036	.49428	.46257	.50571
#2	.94666	4.4992	9.6284	.90566	.51192	.00075	.53587	1.0525	-.02279	.49573	.46552	.50278
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000	10.700									
Range		-10.000%	-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8187.7**	**101130.**	**8850.0**
Stddev	2.2	178.	27.1
%RSD	.02727	.17606	.30667
#1	8189.3	101260.	8869.2
#2	8186.1	101010.	8830.8

Sample Name: CCB Acquired: 11/8/2013 2:55:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00225**	**.00246**	**.00180**	F **.03619**	**.00012**	**.00261**	W **.04323**	**.00002**	**.00023**	**.00011**
Stddev	.00034	.00028	.00137	.00041	.00012	.00007	.00280	.00072	.00013	.00011	.00026
%RSD	208.93	12.308	55.621	22.588	.33883	59.619	107.12	1.6694	832.30	49.148	237.91
#1	.00040	.00244	.00149	.00152	.03628	.00007	.00063	.04374	.00011	.00015	.00029
#2	-.00008	.00205	.00342	.00209	.03610	.00017	.00459	.04272	-.00008	.00030	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					.00115			.03450			
Low Limit					-.00115			-.03450			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00174**	F **.15124**	**.15896**	**.00031**	**.01003**	F **.00083**	**.00011**	F **.20098**	**.00047**	**.00155**	**.00111**
Stddev	.00049	.00137	.01185	.00077	.00070	.00003	.00021	.00636	.00012	.00147	.00138
%RSD	28.259	.90498	7.4543	247.01	6.9918	3.8804	201.24	3.1664	25.632	94.937	124.82
#1	-.00140	.15221	.15058	-.00023	.01052	.00081	.00026	.19648	.00056	.00051	.00013
#2	-.00209	.15027	.16734	.00085	.00953	.00085	-.00004	.20548	.00039	.00259	.00208
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136	.03000				.00050		.18320			
Low Limit	-.00136	-.03000				-.00050		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01171**	W **.00497**	**.00049**	**-.00547**	**-.01171**	**.00046**	F **.00108**	**.00436**	**-.00017**	**-.00086**	**-.00030**
Stddev	.00090	.00058	.00237	.00622	.01330	.00047	.00003	.00100	.00001	.00037	.02537
%RSD	7.7020	11.753	483.28	113.60	113.60	101.29	2.8113	22.991	4.5067	43.306	8505.7
#1	.01235	.00455	-.00119	-.00987	-.02112	.00013	.00111	.00365	-.00016	-.00060	.01764
#2	.01107	.00538	.00217	-.00108	-.00230	.00080	.00106	.00507	-.00017	-.00113	-.01824
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314					.00050				
Low Limit		-.00314					-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00040**	**.00379**	**.00155**
Stddev	.00055	.00011	.00171
%RSD	139.08	2.8144	110.53
#1	.00078	.00372	.00034
#2	.00001	.00387	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8108.0**	**101530.**	**8598.0**
Stddev	6.4	49.	55.8
%RSD	.07888	.04818	.64932
#1	8112.5	101570.	8637.5
#2	8103.4	101500.	8558.6

Sample Name: CCVL2363703 Acquired: 11/8/2013 2:57:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**.11746**	**.01608**	**.09886**	**.01182**	**.00094**	**.11381**	**.19089**	**.00519**	**.01138**	**.00978**	**.01495**	**.09493**
Stddev	.00002	.00016	.00280	.00039	.00000	.00001	.00028	.00170	.00003	.00013	.00009	.00051	.00352
%RSD	.16718	.14011	17.417	.39709	.02772	.88555	.24953	.88879	.51173	1.1481	.95115	3.3921	3.7062
#1	.01135	.11757	.01806	.09858	.01182	.00094	.11361	.19209	.00517	.01128	.00984	.01459	.09244
#2	.01137	.11734	.01410	.09914	.01182	.00093	.11401	.18969	.00520	.01147	.00971	.01531	.09742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1664**	F **.01306**	**.20256**	**.01086**	**.01795**	**1.2445**	**.04110**	**2.7462**	**.01024**	**.00399**	F **.01359**	**.01453**	**.43738**
Stddev	.0180	.00135	.00054	.00001	.00028	.0081	.00019	.0034	.00090	.00164	.00282	.00330	.01307
%RSD	.56956	10.320	.26744	.12277	1.5531	.64813	.45292	.12348	8.7740	41.057	20.745	22.708	2.9876
#1	3.1792	.01211	.20294	.01085	.01775	1.2502	.04123	2.7438	.00960	.00515	.01559	.01220	.44662
#2	3.1537	.01401	.20217	.01087	.01815	1.2388	.04097	2.7486	.01087	.00283	.01160	.01687	.42814
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93599**	**.09507**	**.01061**	F **.01963**	**.01059**	**.01748**	F **.03856**	**.00978**	**.02187**	**.01579**
Stddev	.02796	.00060	.00012	.00016	.00014	.00017	.02112	.00027	.00034	.00127
%RSD	2.9876	.63150	1.1390	.80143	1.3584	.94823	54.761	2.7198	1.5520	8.0133
#1	.95577	.09465	.01053	.01952	.01049	.01736	.02363	.00997	.02163	.01490
#2	.91622	.09550	.01070	.01974	.01069	.01759	.05349	.00959	.02211	.01669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01500			.06000			
Range				30.000%			-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8362.2**	**104710.**	**8880.1**
Stddev	15.5	33.	8.5
%RSD	.18480	.03120	.09581
#1	8373.1	104730.	8886.1
#2	8351.3	104690.	8874.1

Sample Name: mb 280-199652/1-a Acquired: 11/8/2013 2:59:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00385**	**.00043**	**.00109**	**.00081**	**-.00001**	**.00116**	**-.00432**	**-.00020**	**.00000**
Stddev	.00026	.00006	.00051	.00017	.00025	.00009	.00121	.00249	.00003	.0001
%RSD	58.232	1.5718	120.15	15.415	30.450	1358.8	104.26	57.755	13.974	3407.9
#1	.00063	.00389	.00079	.00121	.00098	-.00007	.00201	-.00255	-.00022	.00009
#2	.00026	.00381	.00006	.00097	.00063	.00006	.00030	-.00608	-.00018	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00170**	**.00076**	**.11730**	**.00364**	**.00209**	**.00010**	**-.00007**	**.15639**	**.00051**
Stddev	.00015	.00008	.00086	.10663	.00038	.00380	.00003	.00038	.00648	.00017
%RSD	76.130	4.4557	113.16	90.905	10.560	181.51	31.008	569.00	4.1420	34.480
#1	.00009	-.00175	.00136	.19270	.00337	.00478	.00008	.00020	.15181	.00063
#2	.00030	-.00165	.00015	.04190	.00391	-.00059	.00012	-.00033	.16097	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00111**	**.00588**	**.00158**	**-.00249**	**-.01065**	**-.02279**	**-.00017**	**.00009**	W **.00543**
Stddev	.00069	.00057	.00110	.00085	.00713	.00813	.01741	.00038	.00005	.00132
%RSD	78.862	51.286	18.705	53.797	285.84	76.397	76.397	219.07	53.497	24.317
#1	-.00038	.00151	.00665	.00218	.00255	-.00490	-.01048	-.00044	.00006	.00450
#2	-.00135	.00071	.00510	.00098	-.00753	-.01640	-.03510	.00009	.00013	.00636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00500
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00096**	**-.03755**	**.00004**	**.00335**	**.00112**
Stddev	.00014	.00018	.01832	.00025	.00014	.00019
%RSD	84.208	18.523	48.791	652.54	4.2745	16.829
#1	-.00026	-.00109	-.02460	.00021	.00325	.00099
#2	-.00006	-.00084	-.05051	-.00014	.00345	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.5**	**104870.**	**8886.4**
Stddev	16.7	134.	24.6
%RSD	.19988	.12774	.27640
#1	8323.7	104770.	8903.7
#2	8347.2	104960.	8869.0

Sample Name: lcs 280-199652/2-a Acquired: 11/8/2013 3:02:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**2.0999**	**.94715**	**.97182**	**2.1761**	**.04839**	**1.9978**	**47.270**	**.10614**	**.51225**
Stddev	.00041	.0026	.00317	.00037	.0025	.00001	.0034	.137	.00062	.00008
%RSD	.80995	.12159	.33453	.03816	.11354	.02489	.16959	.29075	.58745	.01546
#1	.05045	2.0981	.94939	.97156	2.1743	.04838	1.9954	47.367	.10570	.51220
#2	.04988	2.1017	.94491	.97209	2.1778	.04840	2.0002	47.172	.10658	.51231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19003**	**.26534**	**.92375**	**50.786**	**1.0100**	**47.060**	**.52017**	**.90223**	**51.391**	**.47706**
Stddev	.00083	.00059	.00042	.036	.0019	.097	.00002	.00159	.181	.00010
%RSD	.43774	.22169	.04502	.07042	.19066	.20597	.00479	.17653	.35290	.02085
#1	.18944	.26576	.92404	50.760	1.0086	47.129	.52019	.90110	51.263	.47699
#2	.19062	.26493	.92345	50.811	1.0114	46.992	.52015	.90335	51.519	.47713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3643**	**.48939**	**-.00395**	**.52199**	**1.9354**	**9.1476**	**19.576**	**1.8002**	**1.0412**	**1.0573**
Stddev	.0186	.00075	.00201	.00055	.0004	.0118	.025	.0003	.0018	.0022
%RSD	.19842	.15388	50.863	.10467	.02080	.12920	.12920	.01649	.17596	.21274
#1	9.3511	.48886	-.00537	.52161	1.9357	9.1393	19.558	1.8004	1.0399	1.0557
#2	9.3774	.48992	-.00253	.52238	1.9351	9.1560	19.594	1.8000	1.0425	1.0589
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0825**	**2.0353**	**2.2768**	**.50524**	**.46273**	**.50836**
Stddev	.0024	.0000	.0101	.00095	.00188	.00260
%RSD	.22659	.00180	.44138	.18861	.40654	.51147
#1	1.0808	2.0353	2.2697	.50457	.46140	.50652
#2	1.0843	2.0353	2.2839	.50591	.46407	.51020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7990.4**	**98901.**	**8863.6**
Stddev	20.0	359.	53.9
%RSD	.25054	.36335	.60857
#1	7976.3	99155.	8825.4
#2	8004.6	98647.	8901.7

Sample Name: 280-48829-a-1-a Acquired: 11/8/2013 3:04:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00885**	**1.2358**	**.00537**	**.05653**	**.22000**	**-.00006**	**-.00333**	**71.523**	**.00025**	**.00095**
Stddev	.00093	.0018	.00113	.00016	.00057	.00003	.00110	.003	.00015	.00022
%RSD	10.461	.14818	21.053	.27962	.25937	48.356	33.122	.00412	58.634	23.313
#1	.00820	1.2371	.00457	.05664	.22040	-.00008	-.00255	71.521	.00036	.00111
#2	.00951	1.2345	.00617	.05642	.21959	-.00004	-.00411	71.525	.00015	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.00609**	**1.1981**	**20.176**	**.01081**	**18.397**	**.28509**	**.00209**	**22.522**	**.01201**
Stddev	.00006	.00003	.0019	.001	.00121	.003	.00067	.00008	.198	.00043
%RSD	4.4657	.49706	.15619	.00556	11.197	.01552	.23332	3.9098	.87798	3.5949
#1	.00137	.00611	1.1968	20.177	.00996	18.395	.28556	.00215	22.662	.01170
#2	.00146	.00607	1.1995	20.175	.01167	18.399	.28462	.00204	22.383	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0955**	**.00057**	**16.661**	**.00155**	**.00592**	**8.5445**	**18.285**	**-.00040**	**.35472**	**.00475**
Stddev	.0053	.00035	.015	.00101	.00049	.0670	.143	.00009	.00001	.00139
%RSD	.48800	61.116	.09245	65.266	8.2138	.78364	.78364	21.186	.00240	29.170
#1	1.0917	.00032	16.651	.00227	.00558	8.4972	18.184	-.00046	.35473	.00573
#2	1.0993	.00081	16.672	.00084	.00626	8.5919	18.387	-.00034	.35472	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03341**	**.00086**	**-.03995**	**.00538**	**.02200**	**.00221**
Stddev	.00081	.00121	.04720	.00021	.00063	.00009
%RSD	2.4342	139.48	118.15	3.9931	2.8628	4.2416
#1	.03398	.00001	-.07333	.00523	.02244	.00228
#2	.03283	.00172	-.00657	.00553	.02155	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8131.1**	**99618.**	**8798.4**
Stddev	9.8	188.	7.8
%RSD	.12073	.18909	.08865
#1	8138.1	99751.	8803.9
#2	8124.2	99485.	8792.9

Sample Name: 280-48829-a-1-aSD@5 Acquired: 11/8/2013 3:06:34 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**.28705**	**.00326**	**.01261**	**.04552**	**-.00007**	**-.00067**	**14.704**	**.00001**	**.00036**
Stddev	.00046	.00127	.00008	.00009	.00012	.00004	.00006	.006	.00001	.00006
%RSD	20.647	.44077	2.4753	.71122	.26297	58.537	8.8859	.03966	106.60	16.773
#1	.00254	.28795	.00320	.01268	.04544	-.00004	-.00072	14.700	.00000	.00040
#2	.00189	.28616	.00331	.01255	.04561	-.00010	-.00063	14.708	.00002	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**-.00071**	**.26021**	**4.1604**	**.00332**	**3.8284**	**.05950**	**.00031**	**4.8689**	**.00240**
Stddev	.00014	.00013	.00009	.0536	.00381	.0178	.00002	.00005	.0201	.00011
%RSD	29.847	17.845	.03512	1.2885	114.88	.46439	.02978	14.844	.41290	4.7094
#1	.00036	-.00062	.26027	4.1983	.00062	3.8410	.05948	.00028	4.8547	.00248
#2	.00055	-.00080	.26014	4.1225	.00601	3.8159	.05951	.00034	4.8831	.00232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22281**	**.00126**	**3.3413**	**.00152**	**.00216**	**1.7289**	**3.6998**	**.00231**	**.07320**	**.00525**
Stddev	.00106	.00049	.0063	.00121	.00098	.0195	.0417	.00039	.00009	.00024
%RSD	.47522	38.446	.18971	79.302	45.527	1.1282	1.1282	16.767	.12215	4.6342
#1	.22206	.00092	3.3458	.00067	.00146	1.7427	3.7294	.00203	.07313	.00542
#2	.22356	.00161	3.3368	.00238	.00285	1.7151	3.6703	.00258	.07326	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00726**	**-.00031**	**-.02026**	**.00113**	**.00952**	**.00236**
Stddev	.00046	.00072	.03049	.00044	.00023	.00035
%RSD	6.2995	235.17	150.55	39.201	2.4025	14.979
#1	.00694	.00020	.00131	.00145	.00936	.00211
#2	.00758	-.00082	-.04182	.00082	.00968	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8185.1**	**102270.**	**8756.4**
Stddev	23.4	432.	56.6
%RSD	.28601	.42204	.64666
#1	8201.6	101960.	8796.5
#2	8168.5	102570.	8716.4

Sample Name: 280-48829-a-1-b ms Acquired: 11/8/2013 3:08:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05053**	**3.8886**	**.97774**	**1.0472**	**2.4562**	**.04995**	F **2.0080**	**121.20**	**.10805**	**.51842**
Stddev	.00065	.0106	.00111	.0011	.0004	.00017	.0021	.14	.00009	.00030
%RSD	1.2820	.27331	.11368	.10838	.01485	.33284	.10359	.11393	.07987	.05863
#1	.05099	3.8962	.97696	1.0464	2.4559	.05006	2.0066	121.29	.10798	.51820
#2	.05007	3.8811	.97853	1.0480	2.4564	.04983	2.0095	121.10	.10811	.51863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19441**	**.27814**	**2.3436**	**73.072**	**1.0493**	**66.444**	**.82066**	**.92502**	**74.845**	**.48255**
Stddev	.00016	.00000	.0057	.083	.0014	.064	.00098	.00193	.264	.00030
%RSD	.08189	.00112	.24479	.11369	.13146	.09662	.11900	.20858	.35275	.06146
#1	.19452	.27814	2.3396	73.013	1.0503	66.399	.81997	.92366	74.658	.48276
#2	.19430	.27814	2.3477	73.130	1.0484	66.490	.82135	.92639	75.031	.48234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.779**	**.48829**	**17.311**	**.53872**	**1.9760**	**19.159**	**41.001**	**1.8293**	**1.4330**	**1.0781**
Stddev	.005	.00086	.023	.00363	.0015	.113	.241	.0027	.0005	.0014
%RSD	.04502	.17706	.13185	.67408	.07479	.58867	.58867	.14720	.03520	.12784
#1	10.782	.48768	17.295	.53616	1.9771	19.079	40.830	1.8274	1.4334	1.0772
#2	10.775	.48890	17.327	.54129	1.9750	19.239	41.171	1.8312	1.4327	1.0791
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1516**	**2.0171**	**2.3275**	**.52560**	**.48544**	**.52724**
Stddev	.0042	.0020	.0265	.00002	.00304	.00427
%RSD	.36426	.10016	1.1385	.00473	.62600	.81017
#1	1.1486	2.0186	2.3462	.52558	.48329	.52422
#2	1.1545	2.0157	2.3088	.52562	.48759	.53026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7915.3**	**97055.**	**8786.6**
Stddev	21.2	683.	36.7
%RSD	.26799	.70400	.41780
#1	7900.3	97539.	8760.7
#2	7930.3	96572.	8812.6

Sample Name: 280-48829-a-1-c msd Acquired: 11/8/2013 3:10:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05093	3.8393	.95914	1.0260	2.3977	.04880	F 1.9758	117.28	.10608	.50645
Stddev	.00015	.0291	.00046	.0018	.0042	.00006	.0016	.13	.00039	.00103
%RSD	.30413	.75825	.04822	.17638	.17428	.12598	.08133	.11390	.37236	.20411
#1	.05104	3.8599	.95947	1.0247	2.3948	.04876	1.9746	117.19	.10580	.50718
#2	.05082	3.8187	.95882	1.0273	2.4007	.04885	1.9769	117.38	.10636	.50572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19047	.27262	2.3100	71.169	1.0265	65.037	.79903	.90526	73.129	.47247
Stddev	.00006	.00028	.0171	.191	.0042	.023	.00168	.00034	.698	.00018
%RSD	.03231	.10409	.74177	.26797	.40583	.03593	.21060	.03775	.95417	.03882
#1	.19043	.27282	2.2979	71.034	1.0236	65.054	.79784	.90502	72.636	.47234
#2	.19051	.27242	2.3221	71.304	1.0294	65.021	.80022	.90550	73.622	.47260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.554	.47855	16.673	.52494	1.9324	18.543	39.683	1.7862	1.3953	1.0541
Stddev	.002	.00019	.011	.00201	.0003	.039	.084	.0022	.0027	.0033
%RSD	.02335	.03935	.06629	.38255	.01774	.21252	.21252	.12348	.19700	.30914
#1	10.556	.47842	16.665	.52352	1.9322	18.516	39.623	1.7847	1.3933	1.0518
#2	10.553	.47869	16.681	.52636	1.9326	18.571	39.743	1.7878	1.3972	1.0564
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1193	1.9750	2.3182	.51380	.47529	.51074
Stddev	.0002	.0077	.0491	.00010	.00289	.00260
%RSD	.01591	.38961	2.1170	.01971	.60724	.50999
#1	1.1194	1.9696	2.2835	.51373	.47325	.50890
#2	1.1191	1.9804	2.3529	.51387	.47733	.51258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7916.0	97399.	8777.8
Stddev	8.4	21.	12.5
%RSD	.10563	.02140	.14266
#1	7921.9	97414.	8786.6
#2	7910.1	97384.	8768.9

Sample Name: 280-48829-a-2-a Acquired: 11/8/2013 3:13:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**10.403**	**.00824**	**.02988**	**.17591**	**.00037**	**-.00594**	**59.507**	**.00035**	**.00382**
Stddev	.00053	.014	.00088	.00071	.00104	.00010	.00075	.123	.00028	.00043
%RSD	129.03	.13761	10.655	2.3605	.58840	26.775	12.575	.20702	78.244	11.315
#1	.00004	10.393	.00887	.03038	.17517	.00044	-.00646	59.420	.00016	.00412
#2	.00078	10.413	.00762	.02938	.17664	.00030	-.00541	59.594	.00055	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01093**	**.01268**	**9.5615**	**11.269**	**.01337**	**14.018**	**1.0791**	**.00586**	**9.5662**	**.01190**
Stddev	.00009	.00038	.0439	.002	.00028	.008	.0001	.00017	.0061	.00011
%RSD	.86368	2.9700	.45932	.01622	2.1283	.05923	.00964	2.9608	.06338	.93793
#1	.01087	.01295	9.5304	11.267	.01357	14.024	1.0792	.00574	9.5619	.01182
#2	.01100	.01242	9.5925	11.270	.01317	14.012	1.0791	.00599	9.5705	.01198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68986**	**.00643**	**18.511**	**.00184**	**-.00154**	**24.954**	**53.402**	**.00131**	**.24560**	**.00931**
Stddev	.00010	.00041	.039	.00070	.00378	.014	.029	.00048	.00080	.00101
%RSD	.01482	6.3070	.21184	38.175	245.04	.05502	.05502	36.560	.32639	10.852
#1	.68994	.00672	18.539	.00135	.00113	24.945	53.381	.00097	.24503	.01002
#2	.68979	.00615	18.483	.00234	-.00421	24.964	53.423	.00165	.24616	.00859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18888**	**-.00026**	**-.04131**	**.02511**	**.06004**	**.00597**
Stddev	.00236	.00014	.07205	.00018	.00001	.00051
%RSD	1.2512	53.131	174.40	.71200	.02180	8.5615
#1	.18721	-.00016	-.09226	.02498	.06004	.00561
#2	.19055	-.00035	.00963	.02523	.06005	.00633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8251.2**	**101490.**	**8986.9**
Stddev	22.6	145.	62.6
%RSD	.27330	.14269	.69685
#1	8235.2	101390.	9031.2
#2	8267.1	101590.	8942.6

Sample Name: 280-48829-a-3-a Acquired: 11/8/2013 3:15:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**24.264**	**.01256**	**.03744**	**.33804**	**.00115**	**-.01213**	**32.719**	**.00082**	**.01096**
Stddev	.00045	.091	.00133	.00016	.00013	.00002	.00097	.108	.00030	.00011
%RSD	7788.6	.37412	10.597	.43363	.03837	1.3497	8.0183	.32969	35.813	1.0112
#1	-.00032	24.328	.01161	.03732	.33813	.00116	-.01144	32.796	.00103	.01088
#2	.00031	24.200	.01350	.03755	.33794	.00114	-.01282	32.643	.00062	.01104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02517**	**.02946**	**23.739**	**18.992**	**.02390**	**12.298**	**.50440**	**.00912**	**2.5854**	**.02963**
Stddev	.00023	.00049	.096	.029	.00101	.037	.00006	.00002	.0071	.00032
%RSD	.89961	1.6545	.40509	.15399	4.2372	.30242	.01219	.20357	.27370	1.0952
#1	.02533	.02980	23.807	19.012	.02319	12.324	.50444	.00913	2.5804	.02986
#2	.02501	.02911	23.671	18.971	.02462	12.272	.50435	.00911	2.5904	.02940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8488**	**.01612**	**10.017**	**.00062**	**.00356**	W **50.104**	**107.22**	**.00110**	**.14222**	**.01666**
Stddev	.0224	.00048	.082	.00028	.00020	.203	.44	.00014	.00042	.00191
%RSD	1.2107	2.9893	.81654	44.161	5.6614	.40600	.40600	12.323	.29836	11.479
#1	1.8646	.01647	10.074	.00043	.00371	50.248	107.53	.00119	.14252	.01801
#2	1.8330	.01578	9.9588	.00082	.00342	49.960	106.91	.00100	.14192	.01531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42394**	**-.00048**	W **-.05340**	**.05838**	**.11005**	**.01189**
Stddev	.00057	.00014	.03232	.00059	.00051	.00101
%RSD	.13465	28.893	60.525	1.0145	.46676	8.4842
#1	.42354	-.00057	-.07625	.05796	.11041	.01118
#2	.42434	-.00038	-.03055	.05879	.10968	.01260
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8345.2**	**102380.**	**8985.1**
Stddev	21.1	56.	59.0
%RSD	.25279	.05494	.65623
#1	8330.3	102340.	8943.4
#2	8360.1	102420.	9026.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 3:17:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00360**	**47.665**	k **-.00020**	k **.00572**	k **.00079**	k **-.00007**	kF **.83596**	k **-.02058**	k **-.00128**	k **.00104**	k **-.00101**
Stddev	.00156	.108	.00105	.00008	.00043	.00002	.00179	.00963	.00024	.00005	.00002
%RSD	43.326	.22678	532.35	1.4270	54.575	33.336	.21398	46.793	19.180	4.3811	2.2456
#1	k .00470	47.741	k .00054	k .00578	k .00049	k -.00008	k .83723	k -.02739	k -.00110	k .00107	k -.00100
#2	k .00250	47.588	k -.00094	k .00566	k .00110	k -.00005	k .83470	k -.01377	k -.00145	k .00100	k -.00103
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01206**	F **42.726**	**.12693**	k **.00629**	k **-.27761**	k **-.00120**	k **-.00171**	**243.16**	k **.00188**	k **.00307**	k **.01114**
Stddev	.00012	.328	.03642	.00133	.00503	.00012	.00011	.73	.00009	.00142	.00104
%RSD	1.0253	.76722	28.694	21.182	1.8135	10.045	6.6675	.30019	4.5792	46.137	9.3068
#1	k .01198	42.958	.15269	k .00724	k -.28117	k -.00129	k -.00179	243.67	k .00182	k .00207	k .01187
#2	k .01215	42.495	.10118	k .00535	k -.27405	k -.00112	k -.00163	242.64	k .00194	k .00407	k .01040
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9053**	k **.00214**	k **-.00025**	k **-.00567**	k **-.01214**	k **.00136**	**.00052**	kW **5.3075**	k **.01536**	k **-.00226**	kF **11.054**
Stddev	.0106	.00229	.00119	.00367	.00786	.00007	.00008	.0020	.00044	.00075	.034
%RSD	.21515	107.23	468.77	64.761	64.761	5.3036	14.640	.03689	2.8477	33.351	.30942
#1	k 4.8979	k .00375	k -.00109	k -.00308	k -.00658	k .00142	.00047	k 5.3089	k .01506	k -.00279	k 11.030
#2	k 4.9128	k .00052	k .00059	k -.00827	k -.01770	k .00131	.00057	k 5.3061	k .01567	k -.00173	k 11.078
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Fail
Value								5.0000			10.000
Range								5.0000%			10.490%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00066**	k **.00287**	k **.19784**
Stddev	.00064	.00040	.00275
%RSD	97.501	13.834	1.3916
#1	k .00020	k .00259	k .19590
#2	k .00111	k .00315	k .19979
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7901.0**	**96040.**	**8607.1**
Stddev	9.5	437.	69.6
%RSD	.12086	.45536	.80894
#1	7894.2	96350.	8656.3
#2	7907.7	95731.	8557.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 3:19:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49832**	F **.55715**	**.93720**	**.48842**	**.53791**	**.47958**	**.00496**	**4.7770**	**.50968**	**.51987**	**.46839**	**.52229**
Stddev	.00252	.00764	.00588	.00296	.00093	.00100	.00084	.0022	.00020	.00049	.00025	.00005
%RSD	.50472	1.3706	.62770	.60517	.17377	.20933	16.859	.04516	.03971	.09359	.05349	.00971
#1	.49654	.56255	.94136	.49051	.53725	.47887	.00555	4.7755	.50953	.52021	.46857	.52232
#2	.50009	.55175	.93304	.48633	.53858	.48029	.00437	4.7785	.50982	.51952	.46821	.52225
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2909**	**49.805**	**1.0029**	**18.652**	**.52012**	W **.44920**	**5.4616**	**.48471**	**.91235**	**1.0055**	**.00656**	**1.0621**
Stddev	.0120	.114	.0055	.032	.00072	.00165	.0000	.00224	.00632	.0037	.00782	.0049
%RSD	.52386	.22962	.54900	.16936	.13818	.36699	.00035	.46294	.69285	.36298	119.20	.45963
#1	2.2824	49.725	.99898	18.675	.51961	.45037	5.4616	.48630	.91682	1.0081	.01208	1.0655
#2	2.2994	49.886	1.0068	18.630	.52063	.44804	5.4616	.48313	.90788	1.0029	.00103	1.0586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value						.50000						
Range						-10.000%						

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95605**	**4.5120**	**9.6557**	**.90692**	**.51450**	**.00409**	**.53575**	**1.0596**	**-.05418**	**.49297**	**.46323**	**.50264**
Stddev	.00579	.0446	.0954	.00339	.00104	.00109	.00027	.0025	.01542	.00057	.00051	.00268
%RSD	.60612	.98748	.98748	.37374	.20298	26.685	.05001	.23510	28.459	.11511	.11073	.53377
#1	.96015	4.4805	9.5883	.90931	.51376	.00332	.53556	1.0613	-.06509	.49256	.46286	.50075
#2	.95195	4.5435	9.7231	.90452	.51524	.00486	.53594	1.0578	-.04328	.49337	.46359	.50454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.0**	**100840.**	**8790.0**
Stddev	2.8	364.	121.2
%RSD	.03454	.36105	1.3792
#1	8161.0	100590.	8704.3
#2	8165.0	101100.	8875.7

Sample Name: CCB Acquired: 11/8/2013 3:21:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00130**	**.00124**	**.00177**	W **.00069**	**-.00007**	**-.00041**	**-.00647**	**-.00028**	**-.00003**	**.00002**
Stddev	.00086	.00012	.00101	.00050	.00054	.00014	.00019	.00019	.00021	.00014	.00008
%RSD	438.31	9.5275	81.952	28.503	77.678	194.72	46.744	2.9576	76.740	531.84	416.41
#1	-.00041	.00139	.00052	.00141	.00031	.00003	-.00028	-.00633	-.00013	.00007	-.00004
#2	.00081	.00121	.00195	.00212	.00107	-.00017	-.00055	-.00660	-.00043	-.00013	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00248**	**-.00375**	**.08818**	**.00201**	**-.00221**	**.00001**	**.00028**	W **.15668**	**.00018**	**-.00026**	**.00068**
Stddev	.00060	.00116	.04058	.00045	.00020	.00000	.00026	.00764	.00004	.00070	.00103
%RSD	24.034	30.761	46.024	22.239	8.9330	68.307	92.612	4.8749	19.884	272.14	150.83
#1	-.00206	-.00457	.05948	.00169	-.00207	.00000	.00010	.16208	.00015	.00024	-.00005
#2	-.00290	-.00294	.11688	.00232	-.00235	.00001	.00046	.15128	.00020	-.00076	.00141
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00661**	F **.00638**	**.00201**	**-.01321**	**-.02828**	**.00036**	**.00006**	**.00603**	**-.00040**	**-.00003**	F **-.07261**
Stddev	.00165	.00279	.00242	.00163	.00349	.00007	.00002	.00042	.00008	.00061	.02864
%RSD	24.922	43.795	120.50	12.341	12.341	18.912	41.186	6.9755	20.687	2101.9	39.449
#1	.00544	.00440	.00372	-.01206	-.02581	.00040	.00004	.00633	-.00034	.00040	-.05236
#2	.00777	.00835	.00030	-.01437	-.03075	.00031	.00007	.00573	-.00046	-.00046	-.09287
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00628									.05000
Low Limit		-.00628									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00002**	**.00395**	**.00095**
Stddev	.00010	.00006	.00065
%RSD	499.28	1.4211	68.922
#1	.00005	.00391	.00141
#2	-.00009	.00399	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.7**	**101890.**	**8694.1**
Stddev	26.9	299.	4.2
%RSD	.33115	.29361	.04843
#1	8117.7	102100.	8697.1
#2	8155.8	101680.	8691.2

Sample Name: CCVL2363703 Acquired: 11/8/2013 3:24:16 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01126**	**.11774**	**.01490**	**.09971**	**.01142**	**.00091**	**.11251**	**.19550**	**.00541**	**.01118**	**.00981**	**.01468**	**.09258**
Stddev	.00062	.00005	.00143	.00038	.00001	.00014	.00169	.00016	.00001	.00006	.00010	.00008	.00107
%RSD	5.4969	.04221	9.6039	.38505	.09682	15.635	1.5046	.08177	.27703	.57762	.97735	.56876	1.1552
#1	.01169	.11770	.01591	.09998	.01141	.00101	.11371	.19561	.00542	.01123	.00974	.01474	.09182
#2	.01082	.11777	.01389	.09944	.01142	.00081	.11132	.19538	.00540	.01114	.00987	.01463	.09334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1900**	**.01152**	**.20712**	**.01093**	**.01776**	**1.2416**	**.04080**	**2.7260**	**.01047**	**.00446**	F **.01448**	**.01619**	**.42502**
Stddev	.0097	.00352	.00259	.00001	.00003	.0131	.00028	.0123	.00043	.00065	.00302	.00271	.00335
%RSD	.30521	30.587	1.2514	.10789	.18526	1.0517	.69736	.45186	4.0789	14.521	20.862	16.755	.78841
#1	3.1831	.00903	.20529	.01093	.01774	1.2323	.04100	2.7347	.01017	.00401	.01662	.01811	.42739
#2	3.1969	.01401	.20895	.01092	.01779	1.2508	.04060	2.7173	.01077	.00492	.01235	.01427	.42265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90955**	**.09407**	**.01064**	F **.02053**	**.01066**	**.01821**	**.06599**	**.01036**	**.02186**	**.01519**
Stddev	.00717	.00012	.00005	.00105	.00080	.00015	.03244	.00009	.00021	.00064
%RSD	.78841	.13087	.50008	5.0919	7.5151	.83338	49.154	.83724	.96234	4.1912
#1	.91462	.09415	.01067	.02127	.01009	.01811	.04305	.01042	.02200	.01474
#2	.90448	.09398	.01060	.01979	.01123	.01832	.08893	.01030	.02171	.01564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01500						
Range				30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8380.9**	**104120.**	**8897.0**
Stddev	13.7	504.	6.0
%RSD	.16290	.48369	.06737
#1	8371.2	103770.	8892.8
#2	8390.5	104480.	8901.3

Sample Name: 280-48836-a-13-a Acquired: 11/8/2013 3:26:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00740	-.00048	.02646	.41490	-.00004	.00040	4.5096	-.00011	-.00021
Stddev	.00024	.00007	.00115	.00025	.00130	.00001	.00090	.0147	.00010	.00006
%RSD	291.69	.92269	240.72	.94223	.31340	28.746	225.82	.32595	87.586	28.313
#1	.00026	.00736	.00034	.02663	.41398	-.00003	.00103	4.4992	-.00004	-.00017
#2	-.00009	.00745	-.00129	.02628	.41582	-.00005	-.00024	4.5200	-.00018	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00080	.26728	1.2659	.00861	.85616	.00556	.00028	173.89	.00048
Stddev	.00013	.00010	.00039	.0416	.00084	.00343	.00001	.00018	.96	.00024
%RSD	58.899	12.651	.14446	3.2880	9.7286	.40038	.21909	64.012	.55342	50.026
#1	.00032	-.00073	.26755	1.2364	.00802	.85859	.00556	.00041	173.21	.00031
#2	.00013	-.00087	.26701	1.2953	.00920	.85374	.00557	.00015	174.57	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02554	.00001	.11044	.00319	.00084	5.8455	12.509	.00039	.30471	.00486
Stddev	.00237	.00052	.00384	.00232	.00047	.0339	.073	.00005	.00084	.00172
%RSD	9.2770	3722.4	3.4813	72.590	55.663	.57961	.57961	13.551	.27596	35.406
#1	.02387	-.00035	.11316	.00155	.00118	5.8215	12.458	.00036	.30412	.00364
#2	.02722	.00038	.10772	.00483	.00051	5.8694	12.561	.00043	.30531	.00607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	.00107	-.03158	-.00052	.00389	.00064
Stddev	.00035	.00069	.02660	.00008	.00021	.00119
%RSD	165.96	64.050	84.221	14.683	5.4850	184.95
#1	.00004	.00059	-.01277	-.00047	.00374	.00148
#2	-.00045	.00156	-.05039	-.00058	.00404	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7926.3	98005.	8785.0
Stddev	13.2	70.	99.8
%RSD	.16627	.07108	1.1364
#1	7917.0	97956.	8855.6
#2	7935.6	98054.	8714.4

Sample Name: 280-48836-a-14-a Acquired: 11/8/2013 3:28:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.01544	.00282	.16244	.32740	-.00006	.00076	2.5099	-.00032	-.00046
Stddev	.00058	.00003	.00091	.00061	.00044	.00001	.00083	.0063	.00012	.00024
%RSD	104.13	.21272	32.354	.37401	.13313	22.166	110.26	.25041	36.560	51.588
#1	.00015	.01546	.00347	.16201	.32710	-.00007	.00135	2.5055	-.00024	-.00063
#2	.00096	.01541	.00218	.16287	.32771	-.00005	.00017	2.5143	-.00040	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	-.00012	.59209	2.2166	.07582	.31986	.01312	.00094	395.75	.00036
Stddev	.00003	.00064	.00269	.0325	.00246	.00063	.00009	.00019	1.81	.00013
%RSD	2.5130	522.87	.45420	1.4667	3.2438	.19777	.65695	20.327	.45749	35.026
#1	.00107	-.00057	.59399	2.2396	.07755	.31942	.01306	.00107	394.47	.00045
#2	.00111	.00033	.59019	2.1936	.07408	.32031	.01318	.00080	397.03	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03857	-.00069	.14161	.00458	.00247	8.6136	18.433	.00069	.40763	.00073
Stddev	.00019	.00137	.00118	.00060	.00121	.0495	.106	.00101	.00001	.00087
%RSD	.48985	198.96	.83220	13.214	48.978	.57484	.57484	146.35	.00240	119.18
#1	.03870	-.00166	.14245	.00500	.00332	8.5786	18.358	-.00002	.40763	.00012
#2	.03844	.00028	.14078	.00415	.00161	8.6486	18.508	.00141	.40764	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	.00129	.00068	-.00008	.00298	.00089
Stddev	.00011	.00031	.00618	.00014	.00005	.00011
%RSD	73.432	24.144	914.72	184.62	1.6587	12.491
#1	-.00022	.00151	-.00370	-.00018	.00302	.00097
#2	-.00007	.00107	.00505	.00002	.00295	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7735.2	94377.	8638.3
Stddev	3.6	605.	26.5
%RSD	.04657	.64107	.30702
#1	7732.6	94805.	8657.0
#2	7737.7	93949.	8619.5

Sample Name: 280-48832-a-1-a Acquired: 11/8/2013 3:31:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.02549**	**.00503**	**3.1095**	**.08411**	**.00000**	**-.00180**	**159.85**	**.00011**	**.00036**
Stddev	.00002	.00062	.00071	.0041	.00065	.00005	.00069	.18	.00022	.00020
%RSD	7.4658	2.4201	14.055	.13246	.77069	5416.0	38.188	.11214	206.96	56.776
#1	.00026	.02505	.00453	3.1124	.08365	-.00003	-.00229	159.72	-.00005	.00050
#2	.00029	.02593	.00553	3.1066	.08457	.00004	-.00131	159.98	.00026	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**-.00049**	**4.6387**	**35.887**	**.00571**	**21.690**	**.84253**	**.00191**	**131.88**	**.00117**
Stddev	.00009	.00024	.0045	.095	.00143	.007	.00130	.00030	.53	.00006
%RSD	6.0649	49.647	.09721	.26439	24.988	.03378	.15483	15.838	.40162	5.0207
#1	.00135	-.00066	4.6355	35.820	.00671	21.695	.84161	.00213	131.50	.00113
#2	.00148	-.00032	4.6419	35.954	.00470	21.685	.84345	.00170	132.25	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12818**	**.00102**	**45.817**	**.00271**	**.00183**	**1.8672**	**3.9958**	**.00000**	**.89996**	**.00458**
Stddev	.00108	.00042	.066	.00174	.00364	.0013	.0029	.0003	.00136	.00210
%RSD	.84150	41.519	.14333	64.210	198.91	.07120	.07120	9183.6	.15110	45.942
#1	.12741	.00072	45.863	.00148	-.00074	1.8663	3.9938	.00021	.89900	.00607
#2	.12894	.00132	45.771	.00394	.00441	1.8682	3.9979	-.00021	.90093	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00073**	W **-.05736**	**.00081**	**.00357**	**.00004**
Stddev	.00017	.00106	.02004	.00038	.00001	.00204
%RSD	49.207	144.87	34.937	46.845	.34920	4739.7
#1	-.00022	.00148	-.04319	.00108	.00358	-.00140
#2	-.00046	-.00002	-.07153	.00054	.00356	.00148
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7961.4**	**98360.**	**8975.8**
Stddev	3.8	176.	16.5
%RSD	.04826	.17899	.18382
#1	7958.7	98485.	8964.1
#2	7964.1	98236.	8987.5

Sample Name: 280-48832-a-2-a Acquired: 11/8/2013 3:33:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00288**	**.00307**	**.00687**	**.00060**	**-.00012**	**.00101**	**.03421**	**-.00009**	**.00009**
Stddev	.00003	.00008	.00197	.00073	.00016	.00006	.00155	.00390	.00013	.00002
%RSD	8.8920	2.7548	64.390	10.632	26.882	51.657	154.26	11.393	145.72	24.767
#1	.00041	.00282	.00167	.00739	.00071	-.00017	-.00009	.03145	.00000	.00008
#2	.00036	.00293	.00446	.00635	.00048	-.00008	.00211	.03696	-.00018	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00208**	**.00003**	**.12811**	**.00105**	**.00379**	**.00022**	**-.00018**	**.46248**	**.00049**
Stddev	.00010	.00007	.00088	.03450	.00065	.00140	.00008	.00007	.01699	.00007
%RSD	113.73	3.5147	3157.7	26.933	61.535	36.831	35.655	37.137	3.6741	14.485
#1	.00002	-.00213	.00065	.10371	.00151	.00478	.00027	-.00014	.47450	.00054
#2	.00016	-.00203	-.00059	.15251	.00060	.00280	.00016	-.00023	.45047	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**.00094**	**.01558**	**.00236**	**-.00209**	**.01660**	**.03552**	**.00016**	**.00023**	**.00414**
Stddev	.00107	.00037	.00127	.00008	.00253	.00104	.00223	.00012	.00006	.00050
%RSD	26.669	38.841	8.1487	3.3172	121.06	6.2695	6.2695	74.482	25.589	12.005
#1	.00475	.00068	.01648	.00242	-.00030	.01733	.03709	.00025	.00018	.00449
#2	.00325	.00120	.01469	.00231	-.00388	.01586	.03394	.00008	.00027	.00379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00026**	**-.02383**	**-.00003**	**.00331**	**.00139**
Stddev	.00017	.00060	.05548	.00008	.00043	.00014
%RSD	397.25	229.45	232.77	235.92	12.958	10.044
#1	.00008	-.00069	-.06306	-.00009	.00300	.00129
#2	-.00017	.00016	.01539	.00002	.00361	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8278.6**	**104420.**	**8873.3**
Stddev	15.3	82.	18.3
%RSD	.18511	.07852	.20665
#1	8289.4	104360.	8860.3
#2	8267.7	104470.	8886.3

Sample Name: 280-48832-a-3-a Acquired: 11/8/2013 3:35:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**2.0168**	**.00025**	**.02199**	**.02685**	**-.00007**	**-.00023**	**.63537**	**-.00010**	**.00014**
Stddev	.00080	.0045	.00027	.00044	.00004	.00000	.00075	.00094	.00006	.00013
%RSD	262.22	.22312	106.45	1.9826	.14400	2.9626	332.12	.14784	60.225	88.711
#1	.00087	2.0200	.00044	.02230	.02688	-.00007	.00030	.63603	-.00006	.00024
#2	-.00026	2.0137	.00006	.02168	.02683	-.00006	-.00076	.63470	-.00014	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**-.00150**	**.38422**	**.86147**	**-.00124**	**1.0019**	**.01177**	**.00011**	**5.7902**	**.00096**
Stddev	.00001	.00033	.00132	.03170	.00205	.0034	.00022	.00018	.0120	.00026
%RSD	.61636	22.100	.34355	3.6795	165.00	.33773	1.8340	161.98	.20760	26.823
#1	.00163	-.00174	.38515	.88389	-.00269	1.0043	.01161	.00024	5.7817	.00077
#2	.00165	-.00127	.38328	.83906	.00021	.99950	.01192	-.00002	5.7987	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.00043**	**.61157**	**.00116**	**.00334**	**4.3634**	**9.3377**	**.00042**	**.00904**	**.00489**
Stddev	.00034	.00148	.00121	.00035	.00001	.0220	.0471	.00063	.00013	.00427
%RSD	3.1868	347.27	.19805	30.263	.37020	.50392	.50392	149.98	1.4908	87.416
#1	.01056	.00148	.61243	.00091	.00333	4.3790	9.3710	.00087	.00913	.00187
#2	.01105	-.00062	.61072	.00141	.00335	4.3479	9.3044	-.00003	.00894	.00791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04525**	**.00042**	W **-.05231**	**.00138**	**.00452**	**.00248**
Stddev	.00427	.00090	.04599	.00036	.00016	.00075
%RSD	9.4276	214.80	87.919	25.938	3.4657	30.162
#1	.04223	-.00022	-.01979	.00164	.00463	.00195
#2	.04826	.00105	-.08483	.00113	.00441	.00301
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8259.0**	**102400.**	**8763.8**
Stddev	6.9	88.	6.5
%RSD	.08381	.08641	.07400
#1	8254.1	102340.	8768.4
#2	8263.9	102460.	8759.2

Sample Name: 280-48832-a-4-a Acquired: 11/8/2013 3:38:19 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.03050**	**-.00029**	**.01459**	**.01250**	**.00001**	**.00235**	**.32557**	**.00007**	**.00011**
Stddev	.00046	.00103	.00297	.00054	.00052	.00001	.00139	.00334	.00011	.00017
%RSD	50.090	3.3936	1025.5	3.7313	4.1848	202.36	59.308	1.0260	151.87	149.93
#1	.00124	.02976	.00181	.01420	.01213	.00000	.00136	.32793	.00015	.00023
#2	.00059	.03123	-.00239	.01497	.01287	.00001	.00333	.32321	-.00001	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00191**	**.00441**	**.40491**	**.00102**	**.46072**	**.00261**	**.00007**	**1.4459**	**.00020**
Stddev	.00015	.00003	.00051	.03278	.00221	.00107	.00001	.00016	.0111	.00022
%RSD	107.30	1.5887	11.650	8.0945	216.53	.23211	.46849	225.14	.76843	108.98
#1	.00003	-.00193	.00477	.38174	.00259	.46148	.00262	-.00004	1.4537	.00005
#2	.00025	-.00189	.00405	.42809	-.00054	.45997	.00260	.00019	1.4380	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00117**	**.46517**	**.00112**	**-.00028**	**2.0032**	**4.2869**	**.00112**	**.00425**	**.00385**
Stddev	.00145	.00085	.00205	.00295	.00341	.0088	.0188	.00003	.00003	.00095
%RSD	142.10	72.477	.44087	262.78	1226.3	.43798	.43798	2.6252	.77909	24.575
#1	.00205	.00057	.46372	.00321	.00214	2.0094	4.3001	.00114	.00427	.00318
#2	.00000	.00177	.46662	-.00096	-.00269	1.9970	4.2736	.00110	.00423	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00065**	**-.02587**	**.00033**	**.00360**	**-.00064**
Stddev	.00041	.00099	.02027	.00014	.00017	.00002
%RSD	88.964	151.02	78.348	41.398	4.5955	3.2948
#1	.00075	.00135	-.01154	.00024	.00348	-.00065
#2	.00017	-.00004	-.04021	.00043	.00372	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8294.1**	**103350.**	**8755.5**
Stddev	20.8	319.	13.3
%RSD	.25092	.30884	.15230
#1	8279.3	103580.	8765.0
#2	8308.8	103130.	8746.1

Sample Name: 280-48832-a-5-a Acquired: 11/8/2013 3:40:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.64005**	**-.00055**	**.43862**	**.02443**	**-.00007**	**-.00004**	**42.058**	**.00002**	**.00010**
Stddev	.00040	.00225	.00050	.00107	.00001	.00002	.00053	.183	.00012	.00011
%RSD	4119.7	.35132	92.056	.24393	.02084	21.737	1348.1	.43568	667.15	108.56
#1	.00030	.63846	-.00090	.43786	.02443	-.00008	-.00041	41.929	.00010	.00018
#2	-.00028	.64164	-.00019	.43938	.02442	-.00006	.00033	42.188	-.00007	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00099**	**.04907**	**1.7464**	**.00304**	**3.8318**	**.13616**	**.00018**	**8.2389**	**.00067**
Stddev	.00004	.00008	.00026	.0162	.00061	.0055	.00046	.00025	.0188	.00009
%RSD	10.143	7.7514	.53237	.93018	19.972	.14260	.33953	137.68	.22834	13.886
#1	.00042	-.00104	.04889	1.7349	.00347	3.8356	.13583	.00035	8.2256	.00061
#2	.00036	-.00094	.04926	1.7579	.00261	3.8279	.13648	.00000	8.2522	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00731**	**.00232**	**21.777**	**.00248**	**.00141**	**1.2217**	**2.6144**	**.00032**	**.15313**	**.00680**
Stddev	.00020	.00043	.032	.00026	.00175	.0146	.0313	.00028	.00046	.00121
%RSD	2.7331	18.491	.14739	10.704	123.85	1.1963	1.1963	86.836	.30149	17.739
#1	.00717	.00202	21.754	.00229	.00018	1.2113	2.5923	.00052	.15281	.00766
#2	.00745	.00262	21.799	.00266	.00264	1.2320	2.6365	.00012	.15346	.00595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00895**	**.00108**	W **-.05086**	**.00025**	**.00318**	**.00207**
Stddev	.00029	.00137	.02338	.00050	.00028	.00083
%RSD	3.2010	127.27	45.976	202.01	8.7441	40.147
#1	.00915	.00205	-.03433	.00060	.00338	.00148
#2	.00875	.00011	-.06740	-.00011	.00298	.00266
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8072.0**	**100420.**	**8737.6**
Stddev	13.3	280.	21.9
%RSD	.16458	.27918	.25098
#1	8062.6	100620.	8753.1
#2	8081.4	100220.	8722.1

Sample Name: 280-48832-a-6-a Acquired: 11/8/2013 3:42:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.78785**	**.00645**	**8.5231**	**.05684**	**.00001**	**-.00080**	**120.50**	**.00027**	**.00137**
Stddev	.00012	.00123	.00286	.0239	.00021	.00007	.00074	.20	.00009	.00010
%RSD	184.05	.15596	44.369	.28013	.37368	565.93	92.771	.16190	32.695	7.0765
#1	-.00002	.78871	.00442	8.5400	.05669	.00007	-.00027	120.64	.00020	.00143
#2	.00015	.78698	.00847	8.5062	.05699	-.00004	-.00132	120.36	.00033	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00035**	**5.4144**	**61.850**	**.00511**	**33.738**	**1.1429**	**.00493**	**171.06**	**.00353**
Stddev	.00003	.00054	.0064	.009	.00034	.035	.0008	.00009	.18	.00030
%RSD	5.9505	151.54	.11796	.01487	6.5595	.10276	.06926	1.8335	.10745	8.6125
#1	.00052	-.00003	5.4098	61.857	.00535	33.714	1.1423	.00487	171.19	.00374
#2	.00047	.00073	5.4189	61.844	.00488	33.763	1.1434	.00500	170.93	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11208**	**.00258**	**100.46**	**.00237**	**-.00066**	**.79388**	**1.6989**	**-.00006**	**.68753**	**.00535**
Stddev	.00170	.00094	.30	.00114	.00226	.00922	.0197	.00036	.00059	.00129
%RSD	1.5207	36.360	.29587	48.010	344.44	1.1610	1.1610	602.52	.08522	24.030
#1	.11088	.00324	100.67	.00157	-.00225	.78737	1.6850	-.00032	.68795	.00626
#2	.11329	.00192	100.25	.00318	.00094	.80040	1.7129	.00020	.68712	.00444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00003**	**-.03856**	**.00226**	**.00371**	**.00104**
Stddev	.00021	.00142	.01347	.00031	.00005	.00012
%RSD	72.110	4414.4	34.938	13.689	1.4535	11.083
#1	-.00014	-.00097	-.04808	.00204	.00367	.00112
#2	-.00044	.00104	-.02903	.00248	.00375	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8032.7**	**99275.**	**9006.5**
Stddev	22.5	366.	8.3
%RSD	.28057	.36909	.09264
#1	8048.7	99534.	9000.6
#2	8016.8	99016.	9012.4

Sample Name: 280-48832-a-7-a Acquired: 11/8/2013 3:45:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**1.0237**	**.00876**	**6.1845**	**.36188**	**-.00007**	**-.00555**	**217.66**	**.00024**	**.00078**
Stddev	.00036	.0041	.00001	.0066	.00110	.00001	.00094	5.74	.00021	.00002
%RSD	202.01	.39824	.14603	.10693	.30334	10.031	16.877	2.6367	85.968	2.4084
#1	.00008	1.0266	.00877	6.1799	.36265	-.00007	-.00488	213.61	.00039	.00076
#2	-.00043	1.0209	.00875	6.1892	.36110	-.00006	-.00621	221.72	.00009	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00560**	**-.00022**	**25.581**	**77.451**	**.00756**	**58.559**	**1.3309**	**.00149**	**216.74**	**.00173**
Stddev	.00001	.00029	.060	.002	.00246	.055	.0005	.00000	.32	.00006
%RSD	.14983	133.22	.23419	.00248	32.545	.09460	.03849	.06642	.14582	3.4758
#1	.00559	-.00001	25.624	77.453	.00930	58.519	1.3306	.00149	216.97	.00177
#2	.00561	-.00042	25.539	77.450	.00582	58.598	1.3313	.00149	216.52	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23518**	**.00077**	**29.204**	**.00122**	**-.00096**	**3.0531**	**6.5337**	**.00059**	**1.7706**	**.00607**
Stddev	.00331	.00137	.007	.00111	.00164	.0094	.0202	.00062	.0038	.00179
%RSD	1.4080	176.50	.02449	90.665	171.04	.30919	.30919	106.06	.21627	29.469
#1	.23283	-.00019	29.199	.00200	.00020	3.0465	6.5194	.00103	1.7733	.00734
#2	.23752	.00174	29.209	.00044	-.00212	3.0598	6.5480	.00015	1.7679	.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01665**	**-.00001**	W **-.05496**	**.00325**	**.00362**	**.00434**
Stddev	.00009	.00011	.01767	.00006	.00007	.00034
%RSD	.54356	922.26	32.143	1.8290	1.9185	7.8776
#1	.01658	-.00009	-.06746	.00329	.00357	.00409
#2	.01671	.00006	-.04247	.00321	.00367	.00458
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7739.7**	**96533.**	**8884.1**
Stddev	.0	281.	13.1
%RSD	.00043	.29135	.14785
#1	7739.7	96732.	8893.4
#2	7739.6	96334.	8874.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 3:47:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00401**	**47.663**	k **-.00222**	k **.02781**	k **.00092**	k **-.00007**	kF **.83730**	k **-.00603**	k **-.00131**	k **.00095**	k **-.00098**
Stddev	.00004	.177	.00249	.00157	.00016	.00003	.00307	.00311	.00002	.00021	.00009
%RSD	1.0357	.37211	112.52	5.6589	17.014	45.560	.36697	51.472	1.4617	22.170	9.1921
#1	k .00404	47.538	k -.00398	k .02893	k .00081	k -.00009	k .83513	k -.00823	k -.00130	k .00109	k -.00092
#2	k .00398	47.789	k -.00045	k .02670	k .00104	k -.00005	k .83947	k -.00384	k -.00132	k .00080	k -.00104
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01222**	F **42.890**	**.27731**	k **.00002**	k **-.26750**	k **-.00097**	k **-.00138**	**243.59**	k **.00192**	k **.01067**	k **.00936**
Stddev	.00015	.219	.08440	.00292	.01041	.00018	.00003	.28	.00037	.00240	.00100
%RSD	1.2165	.51168	30.434	11956.	3.8907	18.114	1.9924	.11317	19.209	22.486	10.642
#1	k .01232	42.735	.33699	k .00209	k -.26014	k -.00084	k -.00140	243.39	k .00166	k .01237	k .01007
#2	k .01211	43.046	.21764	k -.00204	k -.27486	k -.00109	k -.00136	243.78	k .00218	k .00898	k .00866
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9013**	k **.00261**	k **-.00346**	k **-.00018**	k **-.00038**	k **.00128**	**.00059**	kW **5.3028**	k **.01524**	k **-.00208**	kW **11.047**
Stddev	.0086	.00354	.00136	.01293	.02768	.00041	.00025	.0046	.00033	.00087	.068
%RSD	.17568	135.70	39.177	7224.2	7224.2	31.804	42.231	.08616	2.1929	41.728	.61322
#1	k 4.9074	k .00011	k -.00442	k -.00932	k -.01995	k .00100	.00041	k 5.2996	k .01500	k -.00269	k 11.095
#2	k 4.8952	k .00511	k -.00250	k .00897	k .01919	k .00157	.00076	k 5.3060	k .01547	k -.00146	k 10.999
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00123**	k **.00226**	k **.20002**
Stddev	.00064	.00004	.00418
%RSD	52.222	1.6565	2.0891
#1	k .00078	k .00223	k .19707
#2	k .00169	k .00228	k .20297
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7862.0**	**96409.**	**8574.4**
Stddev	1.3	163.	16.3
%RSD	.01636	.16857	.19039
#1	7862.9	96294.	8562.9
#2	7861.0	96524.	8585.9

Sample Name: CCV-2357614 Acquired: 11/8/2013 3:49:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49924**	**.54993**	**.94142**	**.50113**	**.53806**	**.47959**	**.00253**	**4.7700**	**.50992**	**.52209**	**.47198**	**.52087**	**2.2954**
Stddev	.00001	.00015	.00211	.00024	.00129	.00141	.00272	.0095	.00075	.00001	.00102	.00034	.0010
%RSD	.00153	.02757	.22405	.04763	.23893	.29402	107.33	.19983	.14787	.00115	.21532	.06446	.04360
#1	.49924	.55004	.93993	.50130	.53897	.48059	.00446	4.7767	.51046	.52210	.47126	.52063	2.2961
#2	.49923	.54983	.94292	.50097	.53715	.47860	.00061	4.7632	.50939	.52209	.47270	.52110	2.2946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.074**	**1.0061**	**18.844**	**.52237**	**.45118**	**5.4886**	**.48517**	**.91546**	**1.0093**	**.01029**	**1.0574**	**.95718**	**4.5281**
Stddev	.173	.0023	.017	.00036	.00091	.0115	.00057	.00132	.0063	.00624	.0010	.00447	.0189
%RSD	.34528	.22910	.08812	.06805	.20113	.20987	.11724	.14424	.62802	60.675	.09952	.46669	.41695
#1	50.196	1.0077	18.832	.52212	.45182	5.4968	.48477	.91640	1.0138	.01471	1.0581	.96034	4.5414
#2	49.952	1.0044	18.856	.52262	.45054	5.4805	.48557	.91453	1.0048	.00588	1.0567	.95403	4.5147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6901**	**.91477**	**.51479**	**.00300**	**.53584**	**1.0633**	**-.05283**	**.49498**	**.46670**	**.50302**
Stddev	.0404	.00396	.00136	.00022	.00080	.0021	.02194	.00229	.00193	.00180
%RSD	.41695	.43310	.26429	7.1739	.14967	.19435	41.540	.46228	.41426	.35787
#1	9.7186	.91757	.51575	.00285	.53527	1.0647	-.06835	.49336	.46534	.50429
#2	9.6615	.91197	.51382	.00315	.53641	1.0618	-.03731	.49660	.46807	.50174
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8030.5**	**99438.**	**8620.9**
Stddev	19.7	348.	2.8
%RSD	.24560	.35020	.03254
#1	8044.4	99685.	8618.9
#2	8016.5	99192.	8622.8

Sample Name: CCB Acquired: 11/8/2013 3:52:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00083**	**.00188**	F **.01148**	**.00015**	**-.00006**	**.00052**	**-.00552**	**-.00011**	**.00011**	**.00003**
Stddev	.00026	.00005	.00159	.00083	.00011	.00003	.00009	.00001	.00004	.00007	.00008
%RSD	122.47	5.5588	84.604	7.2596	74.548	44.901	18.122	.09422	33.705	65.989	223.59
#1	.00040	.00086	.00300	.01207	.00007	-.00008	.00059	-.00551	-.00014	.00006	-.00002
#2	.00003	.00079	.00075	.01089	.00023	-.00004	.00045	-.00552	-.00008	.00016	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00185**	**-.00197**	**.12351**	**.00199**	**.00131**	**.00003**	**.00024**	F **.21570**	**.00007**	**.00155**	**.00161**
Stddev	.00015	.00052	.02730	.00032	.00040	.00004	.00017	.00137	.00008	.00102	.00126
%RSD	8.1434	26.576	22.105	16.312	30.369	140.92	72.934	.63518	108.58	65.953	77.877
#1	-.00174	-.00160	.10421	.00176	.00159	.00005	.00036	.21667	.00002	.00227	.00250
#2	-.00196	-.00234	.14282	.00221	.00103	.00000	.00011	.21473	.00013	.00083	.00072
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	F **.00671**	**.00135**	**-.00456**	**-.00975**	**.00033**	**.00005**	**.00371**	**-.00039**	**-.00105**	F **-.05291**
Stddev	.00134	.00098	.00110	.01236	.02645	.00083	.00001	.00146	.00009	.00027	.02109
%RSD	12.250	14.661	81.385	271.14	271.14	247.74	28.223	39.349	23.332	25.605	39.859
#1	.01184	.00602	.00057	-.01330	-.02846	-.00025	.00004	.00474	-.00033	-.00124	-.06782
#2	.00996	.00741	.00213	.00418	.00895	.00092	.00006	.00268	-.00046	-.00086	-.03800
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00628									.05000
Low Limit		-.00628									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00005**	**.00364**	**.00034**
Stddev	.00042	.00012	.00151
%RSD	857.07	3.3959	444.56
#1	-.00035	.00373	-.00073
#2	.00025	.00355	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7971.0**	**100150.**	**8359.1**
Stddev	21.4	7.	23.1
%RSD	.26814	.00745	.27643
#1	7986.1	100160.	8375.5
#2	7955.8	100150.	8342.8

Sample Name: CCVL2363703 Acquired: 11/8/2013 3:54:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.11880**	**.01755**	**.10586**	**.01158**	**.00099**	**.11255**	**.19520**	**.00516**	**.01112**	**.00979**	**.01494**	**.09455**
Stddev	.00005	.00064	.00003	.00069	.00031	.00008	.00048	.00239	.00006	.00008	.00014	.00017	.00101
%RSD	.45034	.54063	.17039	.65166	2.6940	8.4427	.42748	1.2255	1.2361	.73527	1.4635	1.1703	1.0657
#1	.01113	.11835	.01757	.10537	.01136	.00093	.11289	.19689	.00511	.01106	.00969	.01482	.09384
#2	.01105	.11926	.01753	.10635	.01180	.00105	.11221	.19351	.00520	.01118	.00989	.01507	.09526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1914**	**.01279**	**.20519**	**.01105**	**.01797**	**1.2744**	**.04074**	**2.7502**	**.01003**	**.00773**	F **.01394**	**.01630**	**.43454**
Stddev	.0250	.00111	.00324	.00010	.00002	.0082	.00023	.0262	.00152	.00179	.00195	.00050	.01071
%RSD	.78425	8.6723	1.5781	.87861	.10385	.64100	.55674	.95402	15.181	23.099	13.987	3.0613	2.4637
#1	3.2091	.01200	.20748	.01098	.01796	1.2687	.04058	2.7317	.00895	.00647	.01532	.01595	.42697
#2	3.1737	.01357	.20290	.01112	.01799	1.2802	.04090	2.7688	.01111	.00899	.01256	.01665	.44211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92992**	**.09557**	**.01054**	**.01804**	**.01033**	**.01860**	F **.03104**	**.01010**	**.02227**	**.01577**
Stddev	.02291	.00071	.00001	.00054	.00035	.00015	.01125	.00061	.00034	.00163
%RSD	2.4637	.74170	.13388	2.9952	3.3455	.80415	36.247	5.9961	1.5220	10.316
#1	.91372	.09507	.01053	.01842	.01008	.01850	.02309	.00967	.02203	.01462
#2	.94612	.09607	.01055	.01766	.01057	.01871	.03900	.01053	.02250	.01692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8230.3**	**102080.**	**8617.3**
Stddev	15.9	115.	11.6
%RSD	.19310	.11237	.13481
#1	8241.5	102160.	8625.5
#2	8219.1	102000.	8609.1

Sample Name: 280-48839-a-1-a Acquired: 11/8/2013 3:56:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.01073**	**.00170**	**.18571**	**.01217**	**.00005**	**.00130**	**367.55**	**.00162**	**.00096**
Stddev	.00019	.00024	.00002	.00060	.00005	.00010	.00107	3.05	.00005	.00016
%RSD	46.749	2.2236	.97836	.32072	.37729	220.21	82.436	.82969	3.1938	16.215
#1	.00028	.01090	.00172	.18613	.01214	-.00003	.00206	365.39	.00159	.00085
#2	.00055	.01056	.00169	.18529	.01220	.00012	.00054	369.71	.00166	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00207**	**.01258**	**31.562**	**1.0270**	**260.32**	**.37050**	**.00170**	W **2417.5**	**.00661**
Stddev	.00005	.00040	.00038	.604	.0004	1.74	.00048	.00007	8.0	.00024
%RSD	4.8119	19.531	3.0349	1.9151	.04310	.66675	.12892	4.0924	.33132	3.6174
#1	.00102	.00178	.01231	31.135	1.0267	261.55	.37016	.00175	2411.8	.00678
#2	.00095	.00236	.01285	31.990	1.0273	259.10	.37084	.00165	2423.2	.00644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01781**	**-.00102**	F **1846.0**	**.00210**	**-.00025**	**7.2068**	**15.423**	**-.00090**	W **9.1256**	**.00069**
Stddev	.00131	.00020	.3	.00188	.00557	.0309	.066	.00040	.1036	.00246
%RSD	7.3673	19.820	.01459	89.695	2214.7	.42878	.42878	44.495	1.1356	354.04
#1	.01874	-.00116	1846.2	.00077	.00369	7.1849	15.376	-.00118	9.0524	.00243
#2	.01688	-.00088	1845.8	.00343	-.00419	7.2286	15.469	-.00062	9.1989	-.00104
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00108**	**.04535**	**.00102**	**.01017**	**.00213**
Stddev	.00033	.00041	.00407	.00001	.00042	.00124
%RSD	519.07	38.123	8.9831	1.2952	4.1244	58.374
#1	.00030	.00079	.04823	.00101	.00988	.00301
#2	-.00017	.00138	.04247	.00103	.01047	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6895.4**	**82254.**	**8208.4**
Stddev	16.7	329.	.0
%RSD	.24243	.39947	.00009
#1	6883.6	82022.	8208.3
#2	6907.2	82486.	8208.4

Sample Name: 280-48839-a-2-a Acquired: 11/8/2013 3:59:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.34287**	**-.00064**	**.30094**	**.02084**	**.00002**	**-.00103**	**59.747**	**.00041**	**-.00002**
Stddev	.00042	.00124	.00038	.00064	.00035	.00001	.00179	.190	.00020	.00024
%RSD	264.04	.36044	60.437	.21106	1.6736	34.817	173.99	.31748	48.578	1051.7
#1	-.00014	.34375	-.00036	.30049	.02059	.00003	.00024	59.613	.00027	.00015
#2	.00046	.34200	-.00091	.30139	.02108	.00002	-.00230	59.881	.00056	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.02592**	**.32916**	**9.3412**	**.21369**	**30.345**	**.02771**	**.01094**	**336.99**	**.00257**
Stddev	.00024	.00019	.00421	.0584	.00151	.031	.00008	.00024	.60	.00016
%RSD	2.5321	.73774	1.2780	.62483	.70464	.10166	.27771	2.2068	.17888	6.2823
#1	.00946	.02578	.32618	9.2999	.21475	30.324	.02765	.01077	336.57	.00246
#2	.00913	.02605	.33213	9.3825	.21262	30.367	.02776	.01111	337.42	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02468**	**.00201**	W **187.77**	**.00154**	**.02395**	**6.7156**	**14.371**	**.00108**	**1.4278**	**.00257**
Stddev	.00033	.00132	.21	.00298	.00372	.0435	.093	.00011	.0050	.00164
%RSD	1.3357	65.369	.11094	193.04	15.516	.64846	.64846	10.212	.35000	63.757
#1	.02445	.00108	187.92	-.00056	.02132	6.6848	14.305	.00116	1.4243	.00373
#2	.02491	.00294	187.63	.00365	.02658	6.7464	14.437	.00100	1.4314	.00141
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01326**	**.00039**	**-.03407**	**.00109**	**.08458**	**.00239**
Stddev	.00121	.00095	.00926	.00003	.00019	.00050
%RSD	9.0872	242.65	27.189	2.4916	.21953	21.039
#1	.01412	-.00028	-.02752	.00107	.08445	.00203
#2	.01241	.00106	-.04062	.00111	.08471	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7707.5**	**93685.**	**8579.4**
Stddev	3.9	405.	112.3
%RSD	.05045	.43209	1.3086
#1	7710.3	93971.	8658.8
#2	7704.8	93399.	8500.1

Sample Name: 280-48839-a-3-a Acquired: 11/8/2013 4:02:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00951**	**-.00280**	**.26971**	**.01269**	**-.00009**	**.00166**	**343.08**	**.00128**	**-.00003**
Stddev	.00003	.00057	.00289	.00067	.00011	.00010	.00264	4.38	.00015	.00027
%RSD	5.9224	5.9585	103.02	.24768	.90054	110.46	158.53	1.2776	11.740	795.19
#1	-.00051	.00911	-.00485	.26924	.01277	-.00016	.00353	346.17	.00117	.00015
#2	-.00055	.00992	-.00076	.27018	.01261	-.00002	-.00020	339.98	.00139	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00003**	**.02435**	**22.241**	**.66981**	**221.03**	**.03903**	**.00112**	W **1265.9**	**.00273**
Stddev	.00022	.00017	.00036	.064	.00105	.08	.00009	.00004	2.3	.00018
%RSD	55.514	629.21	1.4723	.28903	.15661	.03682	.21948	3.3111	.18371	6.5731
#1	.00055	-.00009	.02410	22.196	.67055	221.09	.03909	.00115	1267.6	.00260
#2	.00024	.00015	.02461	22.287	.66907	220.97	.03897	.00110	1264.3	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01367**	**.00037**	F **1201.3**	**.00167**	**.00078**	**7.1965**	**15.401**	**-.00039**	W **8.2125**	**.00065**
Stddev	.00040	.00086	1.0	.00057	.00073	.0495	.106	.00016	.0779	.00077
%RSD	2.9395	232.17	.07966	33.787	94.469	.68791	.68791	40.004	.94801	117.67
#1	.01395	-.00024	1202.0	.00127	.00129	7.2315	15.475	-.00050	8.1575	.00120
#2	.01338	.00098	1200.6	.00207	.00026	7.1615	15.326	-.00028	8.2676	.00011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00010**	**.03266**	**.00134**	**.00569**	**.00355**
Stddev	.00036	.00081	.03930	.00040	.00040	.00312
%RSD	601.87	815.99	120.32	29.817	7.0009	87.926
#1	.00031	-.00068	.00487	.00162	.00541	.00576
#2	-.00019	.00048	.06045	.00105	.00597	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7105.6**	**85805.**	**8433.6**
Stddev	10.2	756.	49.0
%RSD	.14378	.88089	.58133
#1	7098.4	86339.	8398.9
#2	7112.8	85270.	8468.3

Sample Name: 280-48839-a-4-a Acquired: 11/8/2013 4:05:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.07371**	**.00012**	**.40534**	**.01506**	**-.00004**	**-.00027**	**117.31**	**.00067**	**.00033**
Stddev	.00015	.00079	.00152	.00013	.00040	.00001	.00175	.52	.00008	.00014
%RSD	111.18	1.0762	1233.6	.03328	2.6413	25.212	641.24	.44352	11.806	42.084
#1	-.00023	.07427	-.00095	.40543	.01478	-.00005	.00096	117.68	.00073	.00023
#2	-.00003	.07315	.00120	.40524	.01535	-.00003	-.00151	116.94	.00062	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00053**	**.23233**	**9.5476**	**.27139**	**73.272**	**.03775**	**.00159**	**383.84**	**.00089**
Stddev	.00004	.00031	.00056	.0812	.00292	.081	.00023	.00015	1.09	.00007
%RSD	8.2789	58.168	.24218	.84999	1.0770	.11101	.60180	9.5680	.28298	7.4443
#1	.00050	.00075	.23273	9.6050	.26932	73.330	.03791	.00148	384.61	.00094
#2	.00056	.00031	.23194	9.4902	.27346	73.215	.03759	.00170	383.07	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02275**	**-.00046**	F **320.78**	**.00123**	**-.00016**	**6.8584**	**14.677**	**-.00013**	**3.3370**	**.00197**
Stddev	.00013	.00076	1.93	.00333	.00071	.0067	.014	.00030	.0137	.00201
%RSD	.58071	163.37	.60249	269.88	445.87	.09752	.09752	225.26	.40959	102.39
#1	.02266	.00007	322.14	-.00112	-.00066	6.8537	14.667	.00008	3.3467	.00339
#2	.02284	-.00100	319.41	.00359	.00034	6.8631	14.687	-.00035	3.3273	.00054
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.00051**	**.03010**	**.00108**	**.00574**	**.00192**
Stddev	.00022	.00220	.01680	.00004	.00006	.00204
%RSD	12.456	430.63	55.826	3.5370	1.1261	106.43
#1	.00162	.00207	.01822	.00105	.00578	.00048
#2	.00193	-.00104	.04198	.00111	.00569	.00337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7682.2**	**93643.**	**8581.8**
Stddev	43.3	73.	44.3
%RSD	.56418	.07836	.51589
#1	7651.5	93591.	8550.5
#2	7712.8	93695.	8613.1

Sample Name: 280-48839-a-5-a Acquired: 11/8/2013 4:08:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.40717**	**.00093**	**.31578**	**.01526**	**-.00006**	**-.00057**	**357.86**	**.00098**	**.00008**
Stddev	.00034	.00034	.00102	.00043	.00011	.00003	.00036	1.45	.00040	.00000
%RSD	122.96	.08397	109.53	.13678	.74530	51.555	63.937	.40472	40.681	.13821
#1	.00004	.40741	.00021	.31547	.01518	-.00004	-.00083	358.89	.00127	.00008
#2	.00052	.40693	.00165	.31609	.01534	-.00008	-.00031	356.84	.00070	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.00383**	**.34999**	**14.942**	**.35113**	**154.06**	**.01320**	**.00140**	**214.90**	**.00095**
Stddev	.00008	.00014	.00109	.197	.00375	1.80	.00026	.00006	.87	.00030
%RSD	2.5242	3.6343	.31115	1.3209	1.0678	1.1671	1.9703	4.2384	.40675	31.453
#1	.00307	.00373	.34922	14.802	.35379	152.79	.01301	.00144	214.28	.00074
#2	.00318	.00393	.35076	15.081	.34848	155.33	.01338	.00136	215.52	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01391**	**.00085**	F **607.11**	**.00314**	**.00306**	**8.2128**	**17.575**	**.00050**	W **7.6565**	**.00294**
Stddev	.00007	.00008	.18	.00392	.00393	.0068	.015	.00056	.0395	.00130
%RSD	.48764	8.9202	.02894	124.80	128.50	.08267	.08267	111.51	.51563	44.409
#1	.01395	.00090	607.23	.00592	.00028	8.2080	17.565	.00011	7.6844	.00386
#2	.01386	.00079	606.98	.00037	.00584	8.2177	17.586	.00089	7.6286	.00201
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	**.00115**	**-.00490**	**.00155**	**.00508**	**.00239**
Stddev	.00029	.00091	.08657	.00062	.00020	.00141
%RSD	2.5497	79.063	1766.5	40.169	3.8650	58.941
#1	.01173	.00179	.05631	.00111	.00521	.00140
#2	.01131	.00051	-.06612	.00199	.00494	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7449.6**	**92532.**	**8485.7**
Stddev	28.7	2.	22.8
%RSD	.38537	.00170	.26882
#1	7429.3	92533.	8501.9
#2	7469.9	92530.	8469.6

Sample Name: 280-48839-a-6-a Acquired: 11/8/2013 4:10:39 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01421**	**-.00103**	**.21526**	**.00944**	**-.00006**	**.00080**	**360.73**	**.00180**	**.00052**
Stddev	.00066	.00048	.00219	.00017	.00035	.00000	.00111	2.50	.00011	.00007
%RSD	221.66	3.3955	212.08	.07749	3.6799	.29740	138.78	.69342	6.1635	13.400
#1	.00076	.01387	-.00258	.21538	.00969	-.00006	.00001	362.50	.00188	.00057
#2	-.00017	.01455	.00052	.21514	.00920	-.00006	.00158	358.96	.00173	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00068**	**.01364**	**26.172**	**.91228**	**241.38**	**.04162**	**.00073**	W **1981.1**	**.01379**
Stddev	.00027	.00013	.00132	.103	.00625	.12	.00003	.00017	8.6	.00018
%RSD	71.026	18.368	9.6449	.39456	.68491	.04978	.07052	23.710	.43321	1.2874
#1	.00056	.00060	.01271	26.099	.91670	241.30	.04160	.00085	1987.1	.01366
#2	.00019	.00077	.01457	26.245	.90786	241.47	.04164	.00061	1975.0	.01392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03085**	**.00124**	F **1693.5**	**.00556**	**-.00264**	**6.7867**	**14.524**	**-.00066**	W **8.8835**	**.00329**
Stddev	.00150	.00087	.9	.00179	.00042	.0006	.001	.00084	.2598	.00087
%RSD	4.8715	70.304	.05601	32.153	15.867	.00963	.00963	127.56	2.9241	26.409
#1	.02979	.00186	1694.2	.00430	-.00235	6.7863	14.523	-.00006	8.6998	.00267
#2	.03192	.00062	1692.8	.00682	-.00294	6.7872	14.525	-.00125	9.0671	.00390
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00003**	**-.04344**	**.00117**	**.02818**	**.00275**
Stddev	.00033	.00038	.02571	.00045	.00066	.00020
%RSD	343.54	1453.7	59.200	38.476	2.3281	7.1812
#1	-.00033	.00030	-.02525	.00149	.02865	.00289
#2	.00014	-.00024	-.06162	.00085	.02772	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6947.0**	**83950.**	**8340.0**
Stddev	9.1	146.	27.4
%RSD	.13125	.17433	.32854
#1	6953.5	84053.	8359.3
#2	6940.6	83847.	8320.6

Sample Name: 280-48839-a-7-a Acquired: 11/8/2013 4:13:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00961**	**-.00130**	**.40334**	**.01189**	**-.00007**	**-.00198**	**411.93**	**.00152**	**.00003**
Stddev	.00018	.00034	.00316	.00097	.00012	.00003	.00139	6.10	.00003	.00000
%RSD	165.39	3.5087	243.58	.24146	.98771	40.467	69.896	1.4800	2.2859	9.1428
#1	.00023	.00937	-.00353	.40265	.01197	-.00005	-.00100	416.24	.00150	.00004
#2	-.00002	.00985	.00094	.40403	.01181	-.00009	-.00296	407.62	.00155	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00060**	**.00940**	**20.054**	**.69399**	**188.94**	**.07817**	**.00139**	W **1287.5**	**.00386**
Stddev	.00017	.00000	.00196	.115	.00630	.56	.00006	.00022	3.0	.00043
%RSD	19.291	.76050	20.812	.57432	.90713	.29587	.07719	15.824	.23146	11.131
#1	.00099	.00060	.00802	19.973	.68954	189.34	.07813	.00123	1285.4	.00355
#2	.00075	.00060	.01079	20.135	.69844	188.55	.07821	.00155	1289.6	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01670**	**-.00090**	F **1272.2**	**.00057**	**.00090**	**7.2868**	**15.594**	**-.00084**	W **9.4598**	**.00504**
Stddev	.00038	.00017	4.0	.00036	.00176	.0327	.070	.00049	.1377	.00027
%RSD	2.2905	18.628	.31797	62.847	194.11	.44826	.44826	59.036	1.4558	5.4492
#1	.01697	-.00102	1269.3	.00032	.00215	7.2637	15.544	-.00119	9.5572	.00484
#2	.01643	-.00078	1275.0	.00083	-.00034	7.3099	15.643	-.00049	9.3624	.00523
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00046**	**.05783**	**.00068**	**.01081**	**.00169**
Stddev	.00001	.00185	.03563	.00012	.00049	.00121
%RSD	10.862	404.95	61.614	18.301	4.5705	71.955
#1	-.00007	-.00085	.03264	.00077	.01046	.00083
#2	-.00009	.00177	.08303	.00059	.01116	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7120.3**	**86844.**	**8443.8**
Stddev	3.6	97.	52.9
%RSD	.04995	.11151	.62698
#1	7122.8	86913.	8406.4
#2	7117.8	86776.	8481.3

Sample Name: 280-48839-a-8-a Acquired: 11/8/2013 4:17:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.02697**	**.00099**	**.19525**	**.01142**	**-.00008**	**.00128**	**379.08**	**.00241**	**-.00037**
Stddev	.00004	.00234	.00230	.00003	.00026	.00004	.00086	.25	.00012	.00007
%RSD	13.815	8.6927	232.20	.01766	2.6640	47.019	67.259	.06709	4.9785	18.257
#1	-.00028	.02863	.00262	.19523	.01124	-.00005	.00189	379.26	.00249	-.00032
#2	-.00023	.02532	-.00064	.19528	.01160	-.00010	.00067	378.90	.00232	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00194**	**.03272**	**27.755**	**1.1079**	**221.60**	**.14228**	**.00035**	W **2282.9**	**.01841**
Stddev	.00000	.00005	.00088	.186	.0006	1.22	.00016	.00006	2.6	.00033
%RSD	.40639	2.3817	2.6989	.66955	.05140	.55201	.11028	18.220	.11183	1.7718
#1	.00052	.00197	.03334	27.624	1.1075	220.73	.14239	.00040	2284.7	.01864
#2	.00052	.00190	.03209	27.887	1.1083	222.46	.14217	.00030	2281.1	.01818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05772**	**.00103**	F **1758.8**	**.00058**	**-.00103**	**8.6875**	**18.591**	**.00024**	W **9.7994**	**.00271**
Stddev	.00151	.00136	9.1	.00029	.00396	.0353	.076	.00014	.0231	.00284
%RSD	2.6107	131.99	.51537	50.092	385.44	.40620	.40620	58.450	.23565	104.59
#1	.05665	.00007	1752.4	.00038	-.00383	8.7124	18.645	.00033	9.7830	.00472
#2	.05878	.00199	1765.2	.00079	.00177	8.6625	18.538	.00014	9.8157	.00071
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00027**	**.00967**	**.00070**	**.01524**	**.00154**
Stddev	.00032	.00020	.05255	.00089	.00056	.00229
%RSD	46.585	74.509	543.45	128.22	3.6705	148.45
#1	.00045	.00040	-.02749	.00006	.01485	.00316
#2	.00090	.00013	.04683	.00133	.01564	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7023.9**	**84902.**	**8590.2**
Stddev	10.6	24.	10.2
%RSD	.15026	.02849	.11872
#1	7031.4	84885.	8583.0
#2	7016.5	84919.	8597.5

Sample Name: CCVH-2357613 Acquired: 11/8/2013 4:20:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00417**	**46.953**	k **-.00242**	k **.00717**	k **.00060**	k **-.00004**	kF **.84801**	k **.19419**	k **-.00122**	k **.00100**	k **-.00100**
Stddev	.00032	.099	.00051	.00034	.00003	.00012	.00782	.00644	.00011	.00014	.00005
%RSD	7.7635	.21084	21.032	4.7845	4.9413	324.87	.92184	3.3185	9.4343	14.160	5.4645
#1	k .00440	46.883	k -.00278	k .00693	k .00063	k -.00013	k .85353	k .19875	k -.00130	k .00090	k -.00104
#2	k .00394	47.023	k -.00206	k .00741	k .00058	k .00005	k .84248	k .18964	k -.00113	k .00110	k -.00096
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01248**	F **42.575**	**.39083**	**.00243**	k **-.22138**	k **-.00133**	k **-.00172**	**244.36**	k **.00172**	k **.00343**	k **.01002**
Stddev	.00016	.173	.05762	.00138	.00986	.00010	.00026	.08	.00007	.00054	.00114
%RSD	1.3040	.40717	14.743	56.643	4.4556	7.5970	15.316	.03097	4.2815	15.716	11.348
#1	k .01259	42.453	.43157	.00340	k -.21441	k -.00126	k -.00153	244.31	k .00167	k .00382	k .01082
#2	k .01236	42.698	.35008	.00146	k -.22836	k -.00140	k -.00190	244.42	k .00177	k .00305	k .00921
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **5.3785**	k **.00096**	k **-.00432**	k **-.00495**	k **-.01060**	k **.00049**	**.00576**	kW **5.2675**	k **.01478**	k **-.00262**	kW **10.943**
Stddev	.0307	.00082	.00191	.01331	.02848	.00060	.00013	.0095	.00028	.00244	.006
%RSD	.57148	85.518	44.185	268.83	268.83	123.96	2.3166	.18087	1.9288	93.095	.05269
#1	k 5.4003	k .00038	k -.00567	k -.01436	k -.03074	k .00092	.00585	k 5.2742	k .01457	k -.00089	k 10.947
#2	k 5.3568	k .00153	k -.00297	k .00446	k .00955	k .00006	.00566	k 5.2608	k .01498	k -.00434	k 10.939
Check ?	Chk Warn	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value	5.0000							5.0000			10.000
Range	5.0000%							5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00112**	k **.00270**	k **.19816**
Stddev	.00073	.00007	.00102
%RSD	65.418	2.6139	.51580
#1	k .00163	k .00275	k .19744
#2	k .00060	k .00265	k .19888
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8124.8**	**99885.**	**8961.4**
Stddev	35.3	466.	56.5
%RSD	.43447	.46605	.63053
#1	8149.8	99556.	8921.4
#2	8099.9	100210.	9001.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 4:22:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49615**	**.54454**	**.94431**	**.48989**	**.53558**	**.47665**	**.00509**	**4.7331**	**.50694**	**.51641**	**.46783**	**.51841**	**2.2868**
Stddev	.00078	.00193	.00251	.00069	.00218	.00186	.00173	.0048	.00034	.00078	.00055	.00001	.0004
%RSD	.15755	.35473	.26534	.14026	.40610	.38962	34.062	.10110	.06768	.15170	.11851	.00161	.01603
#1	.49671	.54590	.94608	.48940	.53404	.47796	.00386	4.7297	.50670	.51697	.46744	.51842	2.2866
#2	.49560	.54317	.94254	.49038	.53712	.47534	.00631	4.7365	.50718	.51586	.46822	.51841	2.2871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.800**	**1.0018**	**18.543**	**.51526**	**.45117**	F **6.0294**	**.48373**	**.91650**	**1.0057**	**.35095**	**1.0650**	**.96261**	F **4.4562**
Stddev	.026	.0064	.028	.00163	.00121	.0631	.00396	.00194	.0025	.00792	.0053	.00098	.0003
%RSD	.05250	.63470	.14920	.31695	.26857	1.0472	.81914	.21136	.25256	2.2562	.49967	.10185	.00582
#1	49.781	.99733	18.562	.51641	.45031	6.0740	.48093	.91513	1.0039	.35655	1.0612	.96331	4.4564
#2	49.818	1.0063	18.523	.51410	.45202	5.9847	.48653	.91787	1.0075	.34535	1.0688	.96192	4.4560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value						5.0000							5.0000
Range						10.490%							-10.490%

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.5362**	**.91135**	**.51323**	**.00132**	**.53046**	**1.0616**	**-.01605**	**.49092**	**.45841**	**.50261**
Stddev	.0006	.00047	.00127	.00130	.00065	.0013	.03509	.00063	.00195	.00207
%RSD	.00582	.05169	.24714	98.605	.12335	.12350	218.70	.12913	.42602	.41252
#1	9.5366	.91102	.51233	.00223	.53093	1.0607	-.04086	.49047	.45979	.50114
#2	9.5358	.91168	.51412	.00040	.53000	1.0626	.00877	.49137	.45703	.50407
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	10.700									
Range	-10.490%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.2**	**103340.**	**8994.8**
Stddev	20.0	749.	10.1
%RSD	.24173	.72502	.11262
#1	8277.1	102810.	8987.7
#2	8305.4	103870.	9002.0

Sample Name: CCB Acquired: 11/8/2013 4:25:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00251**	**-.00026**	**.00313**	**.00050**	**.00004**	**-.00051**	**.00125**	**-.00001**	**.00021**	**.00021**
Stddev	.00061	.00141	.00075	.00023	.00020	.00012	.00031	.00013	.00026	.00003	.00008
%RSD	182.33	56.000	283.19	7.3142	40.076	317.64	59.989	10.193	4213.7	11.848	40.686
#1	.00076	.00152	.00026	.00329	.00065	-.00005	-.00073	.00134	-.00019	.00023	.00027
#2	-.00010	.00351	-.00079	.00297	.00036	.00012	-.00029	.00116	.00018	.00020	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00195**	**-.00002**	**.17879**	**.00235**	**.00699**	**.00003**	**.00032**	F **.61111**	**.00021**	**-.00033**	**.00107**
Stddev	.00054	.00167	.03619	.00122	.00225	.00001	.00012	.03033	.00003	.00074	.00034
%RSD	27.692	9129.2	20.239	51.798	32.233	19.158	38.228	4.9629	15.492	228.08	32.181
#1	-.00233	.00117	.15320	.00149	.00858	.00004	.00023	.63255	.00019	.00020	.00131
#2	-.00156	-.00120	.20438	.00321	.00539	.00003	.00041	.58966	.00023	-.00085	.00083
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.38420**	F **.00634**	**.00164**	**-.02368**	**-.05068**	**.00051**	W **.00032**	**.00457**	**.00011**	**.00022**	F **-.07606**
Stddev	.07304	.00079	.00182	.00759	.01624	.00036	.00003	.00048	.00002	.00036	.00573
%RSD	19.011	12.397	111.20	32.039	32.039	71.349	9.6717	10.477	15.522	164.69	7.5397
#1	.33256	.00578	.00035	-.01832	-.03920	.00077	.00034	.00423	.00012	-.00004	-.08011
#2	.43585	.00689	.00293	-.02905	-.06217	.00025	.00030	.00491	.00010	.00047	-.07200
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.20000	.00628					.00030				.05000
Low Limit	-.20000	-.00628					-.00030				-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00024**	**.00364**	**.00100**
Stddev	.00021	.00005	.00106
%RSD	87.684	1.2393	106.40
#1	-.00009	.00361	.00025
#2	-.00039	.00367	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8284.5**	**104380.**	**8898.3**
Stddev	24.0	134.	6.3
%RSD	.28988	.12823	.07045
#1	8267.5	104290.	8902.8
#2	8301.5	104480.	8893.9

Sample Name: CCVL2363703 Acquired: 11/8/2013 4:27:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.11663**	**.01470**	**.10014**	**.01074**	**.00091**	**.11341**	**.19484**	**.00529**	**.01117**	**.00983**	**.01437**	**.09294**
Stddev	.00045	.00153	.00117	.00060	.00017	.00004	.00176	.00520	.00017	.00006	.00032	.00035	.00045
%RSD	4.2891	1.3079	7.9350	.59794	1.6044	4.9325	1.5514	2.6709	3.1819	.55994	3.2096	2.4136	.48361
#1	.01086	.11771	.01388	.10056	.01062	.00088	.11217	.19852	.00541	.01122	.01006	.01412	.09326
#2	.01022	.11556	.01553	.09971	.01087	.00094	.11466	.19116	.00517	.01113	.00961	.01461	.09263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2642**	**.01194**	**.20414**	**.01078**	**.01792**	F **1.6217**	**.04101**	**2.7576**	**.00921**	**.21608**	**.01278**	**.01491**	**.42642**
Stddev	.0137	.00109	.00106	.00010	.00002	.0050	.00017	.0044	.00127	.01321	.00112	.00204	.00438
%RSD	.41888	9.1631	.52099	.95945	.08512	.30638	.41425	.15899	13.828	6.1132	8.7987	13.662	1.0280
#1	3.2738	.01271	.20339	.01085	.01793	1.6182	.04089	2.7607	.01011	.22542	.01358	.01635	.42952
#2	3.2545	.01116	.20489	.01070	.01791	1.6252	.04113	2.7545	.00831	.20674	.01199	.01347	.42332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91254**	**.09493**	**.01061**	**.01885**	**.01076**	**.01740**	**.04809**	**.00976**	**.02211**	**.01587**
Stddev	.00938	.00019	.00006	.00151	.00020	.00116	.03513	.00023	.00001	.00118
%RSD	1.0280	.19867	.53956	7.9921	1.9042	6.6588	73.036	2.3198	.02549	7.4426
#1	.91917	.09507	.01057	.01778	.01091	.01658	.07293	.00960	.02211	.01671
#2	.90591	.09480	.01065	.01991	.01062	.01822	.02326	.00992	.02211	.01504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8521.1**	**106230.**	**9121.7**
Stddev	27.9	170.	42.3
%RSD	.32748	.16000	.46359
#1	8540.8	106110.	9091.8
#2	8501.4	106350.	9151.6

Sample Name: mb 280-199517/1-a Acquired: 11/8/2013 4:29:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.01191**	**.00127**	**.00241**	**.00063**	**-.00008**	**.00413**	**.01164**	**-.00002**	**.00009**
Stddev	.00028	.00018	.00154	.00078	.00021	.00003	.00481	.00211	.00008	.00023
%RSD	58.097	1.5083	120.90	32.403	32.844	41.005	116.51	18.169	349.07	268.20
#1	.00029	.01179	.00236	.00296	.00078	-.00010	.00073	.01314	.00003	-.00008
#2	.00069	.01204	.00018	.00186	.00049	-.00005	.00752	.01014	-.00008	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00183**	**.00929**	**.15247**	**.00082**	**.00355**	**.00050**	**-.00008**	W **.54937**	**.00024**
Stddev	.00015	.00013	.00074	.02997	.00028	.00126	.00001	.00012	.00400	.00002
%RSD	42.117	7.1346	8.0158	19.657	34.430	35.551	2.6643	149.09	.72794	9.1680
#1	.00025	-.00173	.00981	.17366	.00062	.00266	.00051	.00000	.55219	.00023
#2	.00046	-.00192	.00876	.13127	.00102	.00444	.00049	-.00016	.54654	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**.00021**	F **.20515**	**.00199**	**.00091**	**-.02599**	**-.05561**	**.00130**	**.00012**	**.00374**
Stddev	.00069	.00086	.00209	.00019	.00144	.01543	.03303	.00031	.00005	.00090
%RSD	35.537	410.50	1.0184	9.4603	158.84	59.385	59.385	23.748	38.553	23.935
#1	.00145	-.00040	.20663	.00185	-.00011	-.01507	-.03226	.00108	.00009	.00311
#2	.00243	.00081	.20367	.00212	.00193	-.03690	-.07896	.00152	.00015	.00437
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00089**	F **-.06327**	**-.00034**	**.00310**	**.00036**
Stddev	.00016	.00006	.05653	.00001	.00007	.00070
%RSD	178.69	6.3956	89.351	3.4833	2.3816	194.47
#1	-.00002	-.00093	-.02330	-.00034	.00315	-.00014
#2	.00021	-.00085	-.10324	-.00033	.00305	.00086
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.06000			
Low Limit			-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8468.0**	**106860.**	**9208.2**
Stddev	18.3	641.	29.8
%RSD	.21586	.59981	.32378
#1	8481.0	106410.	9187.2
#2	8455.1	107310.	9229.3

Sample Name: lcs 280-199517/2-a Acquired: 11/8/2013 4:31:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05090**	**2.0813**	**.95963**	**.97533**	**2.1908**	**.04835**	**2.0132**	**47.312**	**.10607**	**.51198**
Stddev	.00069	.0006	.00158	.00100	.0054	.00007	.0008	.085	.00037	.00052
%RSD	1.3609	.02704	.16427	.10251	.24806	.15406	.04240	.17867	.34420	.10129
#1	.05041	2.0809	.95851	.97604	2.1946	.04830	2.0138	47.371	.10582	.51162
#2	.05139	2.0817	.96074	.97463	2.1869	.04840	2.0126	47.252	.10633	.51235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19134**	**.26479**	**.92655**	**51.266**	**1.0228**	**47.121**	**.51971**	**.91337**	**51.631**	**.47897**
Stddev	.00010	.00019	.00123	.111	.0014	.116	.00137	.00023	.018	.00006
%RSD	.05161	.07155	.13244	.21636	.13397	.24646	.26270	.02571	.03540	.01198
#1	.19127	.26466	.92742	51.345	1.0218	47.038	.51874	.91353	51.618	.47901
#2	.19141	.26493	.92569	51.188	1.0238	47.203	.52068	.91320	51.644	.47893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4012**	**.49126**	**.16809**	**.52419**	**1.9420**	**9.1160**	**19.508**	**1.8189**	**1.0488**	**1.0628**
Stddev	.0010	.00107	.00501	.00331	.0125	.0123	.026	.0076	.0020	.0047
%RSD	.01066	.21770	2.9809	.63092	.64288	.13478	.13478	.42035	.19083	.44287
#1	9.4005	.49202	.17164	.52185	1.9331	9.1073	19.490	1.8135	1.0502	1.0594
#2	9.4019	.49050	.16455	.52652	1.9508	9.1247	19.527	1.8243	1.0474	1.0661
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0789**	**2.0430**	**2.2707**	**.50606**	**.46061**	**.51078**
Stddev	.0020	.0066	.0078	.00128	.00064	.00050
%RSD	.18167	.32537	.34449	.25209	.13865	.09702
#1	1.0775	2.0383	2.2652	.50516	.46106	.51043
#2	1.0803	2.0477	2.2763	.50696	.46016	.51113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.4**	**101350.**	**9019.5**
Stddev	11.1	87.	42.6
%RSD	.13727	.08620	.47227
#1	8109.5	101410.	8989.4
#2	8125.3	101290.	9049.6

Sample Name: lcsd 280-199517/3-a Acquired: 11/8/2013 4:34:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05080**	**2.0936**	**.95778**	**.97839**	**2.1998**	**.04833**	**2.0136**	**47.452**	**.10598**	**.51374**
Stddev	.00114	.0014	.00183	.00092	.0013	.00002	.0032	.059	.00001	.00091
%RSD	2.2402	.06847	.19055	.09389	.06067	.05093	.15697	.12334	.01253	.17796
#1	.05000	2.0926	.95907	.97774	2.2007	.04834	2.0158	47.493	.10598	.51309
#2	.05161	2.0946	.95649	.97904	2.1988	.04831	2.0114	47.410	.10599	.51439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19198**	**.26514**	**.96289**	**51.376**	**1.0229**	**47.153**	**.52107**	**.91655**	**52.077**	**.47938**
Stddev	.00046	.00069	.00647	.065	.0050	.124	.00155	.00288	.385	.00006
%RSD	.24012	.25951	.67220	.12593	.49253	.26200	.29832	.31452	.73924	.01278
#1	.19165	.26465	.96746	51.422	1.0265	47.066	.51997	.91451	52.349	.47942
#2	.19231	.26563	.95831	51.330	1.0194	47.241	.52217	.91859	51.805	.47934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4111**	**.49043**	**.21115**	**.52620**	**1.9383**	**9.1647**	**19.613**	**1.8209**	**1.0526**	**1.0622**
Stddev	.0234	.00060	.08718	.00271	.0106	.0305	.065	.0072	.0023	.0034
%RSD	.24830	.12280	41.291	.51552	.54573	.33316	.33316	.39365	.21758	.31809
#1	9.3945	.49000	.27279	.52428	1.9308	9.1863	19.659	1.8159	1.0542	1.0598
#2	9.4276	.49085	.14950	.52811	1.9458	9.1431	19.566	1.8260	1.0509	1.0646
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0854**	**2.0440**	F **2.3136**	**.50716**	**.46249**	**.51364**
Stddev	.0017	.0076	.0461	.00106	.00175	.00421
%RSD	.15627	.37017	1.9933	.20863	.37769	.82038
#1	1.0842	2.0387	2.3462	.50641	.46126	.51662
#2	1.0866	2.0494	2.2810	.50791	.46373	.51066
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8099.0**	**100730.**	**9066.8**
Stddev	10.2	392.	69.5
%RSD	.12606	.38905	.76661
#1	8106.2	101010.	9017.7
#2	8091.7	100450.	9115.9

Sample Name: 280-48769-a-1-b@5 Acquired: 11/8/2013 4:36:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**1.9665**	**.00495**	**.17609**	**.03506**	**.00003**	**.00238**	**9.0776**	**.57349**	**.00131**
Stddev	.00023	.0048	.00272	.00073	.00001	.00003	.00147	.0200	.00166	.00015
%RSD	7.0430	.24437	54.937	.41189	.02137	97.129	61.874	.22008	.28997	11.154
#1	.00346	1.9631	.00302	.17558	.03506	.00005	.00342	9.0917	.57231	.00120
#2	.00313	1.9699	.00687	.17660	.03505	.00001	.00134	9.0635	.57467	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00485**	**.99631**	**3.0375**	**23.607**	**.01542**	**6.9747**	**.20806**	**.24182**	**179.30**	**.00699**
Stddev	.00029	.00061	.0003	.029	.00244	.0255	.00051	.00077	.69	.00009
%RSD	6.0161	.06077	.01035	.12239	15.834	.36511	.24546	.32017	.38255	1.2543
#1	.00506	.99589	3.0373	23.587	.01369	6.9567	.20769	.24237	179.79	.00705
#2	.00464	.99674	3.0377	23.628	.01715	6.9927	.20842	.24127	178.82	.00693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **22.872**	**.00528**	F **250.13**	**.00161**	**.00072**	**3.1656**	**6.7744**	**.04970**	**.12303**	**.00428**
Stddev	.006	.00050	.46	.00104	.00131	.0026	.0056	.00022	.00028	.00052
%RSD	.02526	9.4503	.18344	64.260	181.33	.08286	.08286	.44674	.22923	12.172
#1	22.868	.00493	249.80	.00088	.00165	3.1638	6.7704	.04955	.12322	.00464
#2	22.876	.00563	250.45	.00235	-.00020	3.1675	6.7784	.04986	.12283	.00391
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10997**	**.00045**	**-.03952**	**.00601**	**.05121**	**.00365**
Stddev	.00027	.00099	.00887	.00058	.00033	.00191
%RSD	.24582	219.79	22.446	9.5982	.65346	52.184
#1	.10978	.00115	-.03325	.00642	.05145	.00230
#2	.11016	-.00025	-.04580	.00560	.05097	.00500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8158.1**	**101730.**	**9198.6**
Stddev	10.0	185.	24.4
%RSD	.12261	.18219	.26514
#1	8151.0	101860.	9181.4
#2	8165.2	101590.	9215.9

Sample Name: 280-48769-a-2-b@5 Acquired: 11/8/2013 4:38:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01653**	k **4.3496**	k **.00653**	k **.12410**	k **.04522**	k **.00027**	k **.01086**	**10.748**	k **.00238**	k **.00032**
Stddev	.00036	.0167	.00045	.00106	.00046	.00004	.00050	.006	.00003	.00004
%RSD	2.1702	.38303	6.8453	.85544	1.0125	15.666	4.5960	.05555	1.2323	13.840
#1	k .01679	k 4.3378	k .00685	k .12335	k .04554	k .00024	k .01122	10.744	k .00240	k .00035
#2	k .01628	k 4.3614	k .00622	k .12486	k .04489	k .00030	k .01051	10.752	k .00235	k .00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01984**	k **.02334**	**4.2405**	W **273.43**	k **.00115**	k **2.5773**	^ *****	kW **-.01159**	**369.78**	k **.01182**
Stddev	.00003	.00065	.0052	.01	.00049	.0021	-----	.00012	.02	.00014
%RSD	.13663	2.8050	.12297	.00189	43.017	.08197	-----	1.0379	.00613	1.2255
#1	k .01982	k .02381	4.2369	273.44	k .00150	k 2.5758	^ -----	k -.01168	369.79	k .01172
#2	k .01986	k .02288	4.2442	273.43	k .00080	k 2.5788	^ -----	k -.01151	369.76	k .01193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				100.00				5.0000		
Low Limit				-.50000				-.01000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.37914**	k **.08796**	kF **795.24**	k **.04218**	k **.22347**	**4.9144**	**10.517**	F **452.95**	**.06921**	kF **-.02289**
Stddev	.00002	.00049	.73	.00547	.00297	.0278	.060	1.49	.00011	.00075
%RSD	.00505	.55383	.09142	12.968	1.3269	.56633	.56633	.32800	.16204	3.2727
#1	k .37913	k .08762	k 794.72	k .03831	k .22137	4.8947	10.475	451.89	.06929	k -.02236
#2	k .37916	k .08831	k 795.75	k .04604	k .22557	4.9341	10.559	454.00	.06913	k -.02342
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit			200.00					20.000		50.000
Low Limit			-.20000					-.10000		-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.19815**	k **.33343**	kF **-3.4478**	kF **-.16002**	k **.19178**	k **.03311**
Stddev	.00140	.00466	.0052	.00098	.00097	.00101
%RSD	.70402	1.3982	.15013	.61445	.50797	3.0370
#1	k .19914	k .33672	k -3.4514	k -.15932	k .19110	k .03382
#2	k .19716	k .33013	k -3.4441	k -.16071	k .19247	k .03240
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000	50.000		
Low Limit			-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8047.5**	**95887.**	**8895.1**
Stddev	1.7	236.	17.4
%RSD	.02113	.24651	.19552
#1	8048.7	96054.	8882.8
#2	8046.3	95720.	8907.4

Sample Name: 280-48769-a-3-b Acquired: 11/8/2013 4:40:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01451**	**6.6435**	**.07641**	**1.9362**	**.78829**	**.00782**	W **.07557**	**136.94**	**.09322**	**.38963**
Stddev	.00009	.0222	.00127	.0001	.00015	.00010	.00027	.24	.00042	.00093
%RSD	.64139	.33348	1.6645	.00348	.01842	1.2149	.36002	.17615	.44863	.23743
#1	.01444	6.6591	.07551	1.9362	.78819	.00776	.07537	137.11	.09351	.38898
#2	.01457	6.6278	.07731	1.9361	.78840	.00789	.07576	136.77	.09292	.39029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5682**	**.98109**	**31.013**	**13.352**	**.12707**	**23.745**	**1.7099**	**.69283**	**260.44**	**7.2984**
Stddev	.0017	.00145	.064	.008	.00213	.168	.0001	.00171	.33	.0066
%RSD	.03605	.14753	.20715	.06259	1.6758	.70838	.00707	.24717	.12671	.08981
#1	4.5671	.98006	30.968	13.358	.12858	23.627	1.7098	.69404	260.21	7.2938
#2	4.5694	.98211	31.059	13.346	.12557	23.864	1.7100	.69162	260.68	7.3030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **417.77**	**.51476**	F **207.73**	**.45212**	**.09611**	**3.3377**	**7.1426**	**1.6054**	**.56910**	**.08703**
Stddev	.68	.00063	.15	.00346	.00036	.0035	.0074	.0108	.00034	.00085
%RSD	.16298	.12310	.07289	.76547	.37687	.10354	.10354	.67156	.05918	.97184
#1	417.29	.51521	207.84	.45457	.09636	3.3352	7.1374	1.6130	.56886	.08643
#2	418.25	.51431	207.62	.44967	.09585	3.3401	7.1478	1.5978	.56934	.08763
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53938**	**.07561**	**.07234**	**.07085**	**4.2007**	**.02127**
Stddev	.00030	.00024	.01854	.00017	.0219	.00349
%RSD	.05519	.31977	25.628	.24216	.52072	16.428
#1	.53917	.07578	.05923	.07073	4.1852	.01880
#2	.53959	.07544	.08545	.07097	4.2161	.02374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.0**	**100680.**	**9448.3**
Stddev	3.2	671.	5.9
%RSD	.03881	.66627	.06291
#1	8131.8	101160.	9452.5
#2	8136.2	100210.	9444.1

Sample Name: 280-48769-a-3-bSD@5 Acquired: 11/8/2013 4:43:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00273**	**1.4966**	**.01906**	**.43768**	**.16730**	**.00163**	**.01722**	**29.265**	**.01980**	**.08485**
Stddev	.00011	.0035	.00148	.00068	.00015	.00003	.00338	.012	.00002	.00052
%RSD	4.1484	.23634	7.7458	.15574	.09117	1.6009	19.616	.04257	.11903	.61856
#1	.00265	1.4991	.01802	.43720	.16719	.00161	.01484	29.256	.01978	.08448
#2	.00281	1.4941	.02011	.43816	.16741	.00165	.01961	29.274	.01981	.08523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98202**	**.20917**	**6.6510**	**2.8893**	**.03047**	**5.2661**	**.36044**	**.14761**	**56.083**	**1.5987**
Stddev	.00095	.00071	.0073	.0021	.00009	.0092	.00008	.00049	.183	.0009
%RSD	.09709	.33955	.10919	.07284	.28123	.17490	.02156	.33464	.32655	.05593
#1	.98134	.20867	6.6459	2.8908	.03041	5.2726	.36050	.14726	56.213	1.5980
#2	.98269	.20968	6.6562	2.8878	.03054	5.2595	.36039	.14796	55.954	1.5993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **114.30**	**.11485**	**44.871**	**.09843**	**.02353**	**.68518**	**1.4663**	**.40581**	**.12133**	**.02095**
Stddev	.23	.00026	.005	.00069	.00063	.00873	.0187	.07300	.00071	.00150
%RSD	.19686	.22973	.01202	.70591	2.6722	1.2738	1.2738	17.989	.58110	7.1660
#1	114.14	.11467	44.867	.09794	.02309	.69135	1.4795	.45743	.12083	.02201
#2	114.46	.11504	44.874	.09892	.02398	.67901	1.4531	.35419	.12183	.01989
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000									
Low Limit	-2.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11411**	**.01747**	**-.01211**	**.01459**	**.92170**	**.00454**
Stddev	.00032	.00031	.03048	.00014	.00498	.00124
%RSD	.28155	1.7776	251.62	.98684	.53990	27.388
#1	.11389	.01769	-.03366	.01449	.92522	.00542
#2	.11434	.01725	.00944	.01469	.91818	.00366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8492.3**	**105610.**	**9390.1**
Stddev	13.5	401.	43.0
%RSD	.15881	.37936	.45846
#1	8482.7	105330.	9359.7
#2	8501.8	105900.	9420.5

Sample Name: CCVH-2357613 Acquired: 11/8/2013 4:45:14 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00412**	**47.037**	k **-.00231**	k **.00854**	k **.00025**	k **-.00010**	kF **.85557**	k **-.02262**	k **-.00131**	k **.00063**	k **-.00092**
Stddev	.00102	.248	.00069	.00057	.00007	.00003	.00337	.00103	.00006	.00017	.00021
%RSD	24.841	.52654	29.911	6.7177	27.104	31.535	.39332	4.5566	4.6805	27.005	22.379
#1	k .00485	46.862	k -.00182	k .00895	k .00021	k -.00013	k .85319	k -.02189	k -.00136	k .00051	k -.00107
#2	k .00340	47.212	k -.00280	k .00814	k .00030	k -.00008	k .85795	k -.02334	k -.00127	k .00075	k -.00078
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01230**	F **42.656**	**.21847**	k **.00369**	k **-.28491**	k **.00321**	k **-.00145**	**244.27**	k **.00179**	k **.02727**	k **.00936**
Stddev	.00013	.049	.00535	.00186	.00352	.00004	.00017	.14	.00003	.00384	.00052
%RSD	1.0591	.11594	2.4503	50.570	1.2366	1.2802	12.044	.05710	1.4124	14.069	5.5038
#1	k .01239	42.621	.21468	k .00237	k -.28242	k .00324	k -.00157	244.17	k .00181	k .02998	k .00900
#2	k .01221	42.691	.22225	k .00500	k -.28740	k .00319	k -.00133	244.36	k .00177	k .02456	k .00973
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **5.1074**	k **.00519**	k **.00077**	k **-.00613**	k **-.01311**	k **.01434**	**.00047**	kW **5.2877**	k **.01463**	k **-.00296**	kW **11.037**
Stddev	.0176	.00063	.00140	.00260	.00557	.00167	.00004	.0065	.00014	.00008	.027
%RSD	.34419	12.089	183.05	42.455	42.455	11.662	8.2979	.12306	.98092	2.6381	.24638
#1	k 5.0950	k .00564	k -.00023	k -.00429	k -.00917	k .01552	.00050	k 5.2831	k .01473	k -.00302	k 11.018
#2	k 5.1198	k .00475	k .00176	k -.00796	k -.01705	k .01315	.00045	k 5.2923	k .01453	k -.00290	k 11.056
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00088**	k **.00315**	k **.20076**
Stddev	.00044	.00018	.00519
%RSD	49.254	5.7485	2.5829
#1	k .00119	k .00328	k .19709
#2	k .00058	k .00302	k .20443
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8254.8**	**102140.**	**9212.0**
Stddev	3.4	371.	65.6
%RSD	.04104	.36368	.71172
#1	8252.4	102410.	9258.4
#2	8257.2	101880.	9165.7

Sample Name: CCV-2357614 Acquired: 11/8/2013 4:47:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50446**	W **.55173**	**.95591**	**.49730**	**.54364**	**.48583**	**.00489**	**4.7878**	**.51539**	**.52500**	**.47625**	**.52700**
Stddev	.00058	.00201	.00850	.00087	.00059	.00060	.00187	.0022	.00126	.00181	.00060	.00131
%RSD	.11553	.36435	.88968	.17443	.10889	.12252	38.264	.04671	.24355	.34542	.12572	.24791
#1	.50405	.55315	.96193	.49791	.54322	.48541	.00356	4.7862	.51627	.52628	.47668	.52792
#2	.50487	.55031	.94990	.49668	.54406	.48625	.00621	4.7894	.51450	.52372	.47583	.52607
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3137**	**50.415**	**1.0176**	**18.836**	**.52802**	**.45612**	F **5.6125**	**.48946**	**.94366**	**1.0115**	**.16715**	**1.0768**
Stddev	.0036	.023	.0020	.086	.00487	.00230	.0067	.00155	.00814	.0020	.00256	.0021
%RSD	.15661	.04497	.19842	.45646	.92223	.50527	.11950	.31656	.86239	.19708	1.5338	.19724
#1	2.3162	50.431	1.0162	18.776	.52457	.45775	5.6172	.49055	.94942	1.0129	.16896	1.0783
#2	2.3111	50.399	1.0190	18.897	.53146	.45449	5.6078	.48836	.93791	1.0101	.16534	1.0753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96633**	**4.5042**	**9.6391**	**.93498**	**.52151**	**.00379**	**.53867**	**1.0719**	**-.03232**	**.49749**	**.46476**	**.50800**
Stddev	.00709	.0141	.0302	.00535	.00075	.00108	.00033	.0029	.01886	.00070	.00134	.00197
%RSD	.73378	.31287	.31287	.57265	.14370	28.631	.06112	.26790	58.358	.13975	.28732	.38691
#1	.97135	4.5142	9.6604	.93876	.52098	.00455	.53843	1.0739	-.04566	.49798	.46381	.50939
#2	.96132	4.4943	9.6178	.93119	.52204	.00302	.53890	1.0699	-.01899	.49700	.46570	.50661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8423.5**	**105030.**	**9332.2**
Stddev	10.7	532.	61.2
%RSD	.12663	.50627	.65543
#1	8431.0	105410.	9289.0
#2	8415.9	104650.	9375.5

Sample Name: CCB Acquired: 11/8/2013 4:49:44 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00111**	**.00136**	**.00306**	**.00028**	**.00008**	**.00238**	**-.00393**	**-.00016**	**-.00014**	**.00011**
Stddev	.00025	.00017	.00058	.00039	.00026	.00001	.00190	.00076	.00001	.00001	.00005
%RSD	61.496	15.195	42.601	12.793	93.607	7.9367	79.904	19.258	5.1103	4.2341	45.986
#1	.00023	.00123	.00095	.00334	.00046	.00009	.00104	-.00339	-.00015	-.00014	.00007
#2	.00057	.00099	.00177	.00278	.00009	.00008	.00373	-.00446	-.00016	-.00013	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00231**	**-.00123**	**.18726**	**.00183**	**.00463**	F **.00157**	**.00049**	F **.23663**	**.00002**	**.00720**	**.00074**
Stddev	.00066	.00062	.06730	.00002	.00034	.00002	.00038	.00453	.00015	.00078	.00081
%RSD	28.667	50.402	35.941	1.0009	7.4410	1.2716	77.839	1.9137	711.30	10.849	108.38
#1	-.00184	-.00167	.23485	.00181	.00488	.00156	.00022	.23343	-.00008	.00664	.00131
#2	-.00278	-.00079	.13967	.00184	.00439	.00159	.00075	.23983	.00013	.00775	.00017
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136					.00050		.18320			
Low Limit	-.00136					-.00050		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13630**	W **.00535**	**.00227**	**-.00966**	**-.02068**	W **.00844**	**.00017**	**.00500**	**.00044**	**-.00052**	**-.01286**
Stddev	.00069	.00055	.00021	.00535	.01145	.00138	.00001	.00273	.00035	.00074	.03981
%RSD	.50354	10.230	9.0759	55.382	55.382	16.331	7.7385	54.693	79.184	143.36	309.57
#1	.13678	.00574	.00212	-.00588	-.01258	.00941	.00018	.00693	.00068	-.00104	-.04101
#2	.13581	.00496	.00241	-.01345	-.02878	.00746	.00016	.00306	.00019	.00001	.01529
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314				.00583					
Low Limit		-.00314				-.00583					

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00002**	**.00391**	**.00236**
Stddev	.00001	.00029	.00046
%RSD	34.340	7.3370	19.441
#1	-.00002	.00411	.00268
#2	-.00001	.00370	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8374.9**	**106720.**	**9231.6**
Stddev	17.8	259.	74.5
%RSD	.21232	.24257	.80753
#1	8362.3	106540.	9178.9
#2	8387.4	106900.	9284.3

Sample Name: CCVL2363703 Acquired: 11/8/2013 4:52:02 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01042**	**.11423**	**.01505**	**.09851**	**.01136**	**.00097**	**.11005**	**.19201**	**.00520**	**.01100**	**.00981**	**.01442**	**.09194**
Stddev	.00016	.00051	.00144	.00012	.00007	.00001	.00163	.00148	.00006	.00020	.00007	.00014	.00049
%RSD	1.5291	.44467	9.5413	.12002	.61991	.91387	1.4834	.77283	1.1023	1.8153	.68443	.96810	.53631
#1	.01031	.11387	.01607	.09843	.01141	.00098	.11120	.19306	.00516	.01086	.00976	.01452	.09160
#2	.01054	.11459	.01403	.09859	.01131	.00097	.10889	.19096	.00525	.01114	.00986	.01432	.09229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1598**	**.01286**	**.19785**	**.01164**	**.01814**	F **1.3014**	**.04078**	**2.7010**	**.00971**	**.10328**	F **.01343**	**.01543**	**.42701**
Stddev	.0019	.00152	.00377	.00001	.00017	.0144	.00014	.0114	.00076	.00079	.00153	.00213	.00450
%RSD	.05983	11.795	1.9055	.05147	.94739	1.1043	.33493	.42364	7.8566	.76133	11.404	13.777	1.0534
#1	3.1585	.01179	.19519	.01163	.01802	1.2912	.04088	2.6929	.00917	.10272	.01235	.01693	.43019
#2	3.1612	.01394	.20052	.01164	.01827	1.3115	.04069	2.7091	.01025	.10383	.01452	.01393	.42383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value						1.0000					.01000		
Range						30.000%					30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91380**	**.10021**	**.01065**	F **.02016**	**.01059**	**.01748**	**.04305**	**.00990**	**.02168**	**.01687**
Stddev	.00963	.00017	.00010	.00037	.00007	.00077	.00393	.00033	.00067	.00054
%RSD	1.0534	.17060	.92725	1.8136	.69185	4.4026	9.1238	3.3371	3.0968	3.1938
#1	.92061	.10009	.01072	.02041	.01054	.01694	.04027	.01014	.02216	.01649
#2	.90700	.10034	.01058	.01990	.01064	.01802	.04583	.00967	.02121	.01725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01500						
Range				30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8545.0**	**108480.**	**9321.3**
Stddev	4.9	542.	1.3
%RSD	.05676	.49944	.01406
#1	8548.4	108860.	9320.3
#2	8541.5	108090.	9322.2

Sample Name: 280-48769-a-4-b@5 Acquired: 11/8/2013 4:54:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00217**	**19.413**	**.01297**	**1.0982**	**.37077**	**.00080**	**-.00455**	**406.81**	**.00503**	**.01069**
Stddev	.00006	.065	.00183	.0016	.00095	.00005	.00064	1.88	.00011	.00040
%RSD	2.9697	.33471	14.142	.14703	.25529	6.5189	13.980	.46233	2.1505	3.7349
#1	.00222	19.367	.01167	1.0993	.37144	.00083	-.00500	405.48	.00496	.01097
#2	.00213	19.459	.01426	1.0970	.37010	.00076	-.00410	408.14	.00511	.01041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81081**	**.10770**	**37.684**	**12.107**	**.12922**	**212.32**	**1.1458**	**.00849**	**192.67**	**.07262**
Stddev	.00020	.00051	.051	.013	.00217	.24	.0015	.00012	.43	.00035
%RSD	.02496	.47707	.13537	.10907	1.6805	.11427	.12719	1.4383	.22476	.48091
#1	.81067	.10734	37.648	12.098	.12768	212.15	1.1447	.00840	192.37	.07286
#2	.81096	.10807	37.720	12.116	.13075	212.49	1.1468	.00858	192.98	.07237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5199**	**.60717**	**113.89**	**.00139**	**.00143**	**14.338**	**30.682**	**.03389**	**2.5494**	**.01626**
Stddev	.0011	.00043	.14	.00121	.00407	.109	.234	.00061	.0029	.00099
%RSD	.07395	.07118	.11973	86.556	284.12	.76302	.76302	1.7888	.11374	6.1201
#1	1.5207	.60748	113.79	.00054	-.00145	14.415	30.848	.03432	2.5515	.01555
#2	1.5191	.60687	113.98	.00225	.00432	14.260	30.517	.03346	2.5474	.01696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26875**	**-.00019**	W **-.05581**	**.02588**	W **19.808**	**.01306**
Stddev	.00223	.00029	.01817	.00009	.019	.00131
%RSD	.83113	152.48	32.551	.35092	.09752	10.067
#1	.26717	-.00040	-.04297	.02595	19.822	.01399
#2	.27033	.00002	-.06866	.02582	19.794	.01213
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			45.000		10.000	
Low Limit			-.05000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8799.8**	**109060.**	**10501.**
Stddev	1.0	105.	7.
%RSD	.01173	.09618	.07049
#1	8800.6	108980.	10495.
#2	8799.1	109130.	10506.

Sample Name: 280-48769-a-5-b@5 Acquired: 11/8/2013 4:56:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**5.6633**	**.11014**	**.41937**	**.11314**	**.00018**	F **.10671**	**64.556**	**.08256**	**.00499**
Stddev	.00009	.0178	.00167	.00086	.00045	.00000	.00225	.027	.00013	.00008
%RSD	2.5701	.31360	1.5128	.20541	.39724	.73405	2.1127	.04141	.15581	1.6517
#1	.00347	5.6759	.11131	.41998	.11282	.00018	.10512	64.575	.08265	.00505
#2	.00335	5.6508	.10896	.41876	.11345	.00018	.10830	64.537	.08247	.00493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32739**	**1.5615**	**47.865**	**21.875**	**.10685**	**32.605**	**.60688**	**.05913**	W **651.01**	**.04128**
Stddev	.00027	.0007	.033	.003	.00032	.126	.00146	.00024	.74	.00034
%RSD	.08347	.04198	.06841	.01224	.29692	.38574	.24127	.40946	.11381	.82888
#1	.32758	1.5610	47.842	21.873	.10707	32.516	.60585	.05896	650.48	.04104
#2	.32720	1.5620	47.888	21.877	.10663	32.694	.60792	.05931	651.53	.04152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.5732**	**.07902**	**120.59**	**.00521**	**.00490**	**10.980**	**23.496**	**.06466**	**.95202**	**.01554**
Stddev	.0036	.00137	.14	.00066	.00056	.027	.059	.00044	.00246	.00010
%RSD	.05464	1.7383	.11327	12.710	11.435	.24915	.24915	.67705	.25847	.63090
#1	6.5758	.07805	120.68	.00568	.00530	10.999	23.538	.06497	.95028	.01547
#2	6.5707	.07999	120.49	.00474	.00451	10.960	23.455	.06435	.95376	.01561
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09776**	**-.00168**	W **-.06750**	**.03544**	**2.3156**	**.00786**
Stddev	.00014	.00164	.04614	.00024	.0155	.00015
%RSD	.14017	97.476	68.347	.69075	.66723	1.8792
#1	.09766	-.00284	-.03488	.03527	2.3046	.00775
#2	.09785	-.00052	-.10013	.03562	2.3265	.00796
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7956.8**	**97494.**	**9219.9**
Stddev	19.4	519.	38.2
%RSD	.24355	.53268	.41467
#1	7943.1	97861.	9192.9
#2	7970.5	97126.	9246.9

Sample Name: 280-48769-a-6-b@5 Acquired: 11/8/2013 4:59:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**1.3119**	**.00547**	**.75808**	**.09525**	**-.00002**	**.00282**	**50.233**	**.00253**	**.00288**
Stddev	.00015	.0019	.00113	.00012	.00084	.00008	.00030	.303	.00006	.00022
%RSD	18.053	.14122	20.610	.01587	.88689	550.76	10.768	.60411	2.2383	7.7358
#1	.00091	1.3106	.00468	.75816	.09465	.00004	.00261	50.018	.00257	.00304
#2	.00070	1.3132	.00627	.75799	.09584	-.00008	.00303	50.447	.00249	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10187**	**.52001**	**13.119**	**38.098**	**.22367**	**40.390**	**.51968**	**.02906**	W **908.82**	**.02945**
Stddev	.00042	.00176	.027	.339	.00521	.174	.00128	.00042	3.21	.00003
%RSD	.40953	.33764	.20347	.88886	2.3293	.42977	.24702	1.4393	.35304	.09167
#1	.10216	.51877	13.100	37.859	.21999	40.268	.51877	.02935	906.55	.02947
#2	.10157	.52125	13.138	38.338	.22736	40.513	.52059	.02876	911.09	.02943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43883**	**.01837**	F **304.47**	**.00661**	**.00460**	**3.0467**	**6.5199**	**.05332**	**.89338**	**.00558**
Stddev	.01763	.00154	.33	.00072	.00253	.0510	.1091	.01462	.00269	.00037
%RSD	4.0181	8.3942	.10965	10.836	54.931	1.6738	1.6738	27.417	.30063	6.5734
#1	.45130	.01728	304.24	.00610	.00281	3.0106	6.4428	.06366	.89148	.00532
#2	.42636	.01946	304.71	.00712	.00639	3.0828	6.5971	.04298	.89528	.00584
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01771**	**.00091**	**-.04960**	**.00507**	**.72526**	**.00150**
Stddev	.00020	.00081	.04478	.00016	.00141	.00025
%RSD	1.1145	89.162	90.285	3.2245	.19387	16.639
#1	.01757	.00148	-.01794	.00496	.72427	.00132
#2	.01785	.00034	-.08127	.00519	.72626	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7674.3**	**93114.**	**8874.0**
Stddev	.1	764.	138.6
%RSD	.00091	.82098	1.5623
#1	7674.3	93655.	8972.1
#2	7674.2	92574.	8776.0

Sample Name: 280-48769-a-7-b@5 Acquired: 11/8/2013 5:01:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**1.5066**	**.00390**	**.37814**	**.51587**	**.00004**	**.00140**	**49.040**	**.00482**	**.00292**
Stddev	.00026	.0010	.00093	.00124	.00099	.00001	.00132	.183	.00020	.00016
%RSD	52.704	.06509	23.753	.32849	.19261	35.960	93.920	.37234	4.2277	5.5939
#1	.00067	1.5060	.00324	.37726	.51516	.00005	.00047	48.911	.00496	.00280
#2	.00031	1.5073	.00455	.37902	.51657	.00003	.00233	49.169	.00468	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06119**	**.18455**	**7.3278**	**19.373**	**.24119**	**29.692**	**.28777**	**.00951**	W **593.52**	**.04382**
Stddev	.00004	.00053	.0321	.009	.00012	.110	.00054	.00018	.30	.00036
%RSD	.06809	.28497	.43755	.04545	.05055	.37209	.18734	1.8720	.05038	.82118
#1	.06116	.18418	7.3052	19.367	.24127	29.770	.28815	.00939	593.31	.04407
#2	.06122	.18492	7.3505	19.379	.24110	29.614	.28738	.00964	593.73	.04356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44545**	**.02806**	**116.48**	**.00433**	**-.00035**	**4.1731**	**8.9305**	**.01938**	**1.1065**	**.00668**
Stddev	.00000	.00146	.05	.00176	.00178	.0027	.0057	.00130	.0019	.00278
%RSD	.00017	5.2048	.04694	40.574	507.62	.06416	.06416	6.7302	.17276	41.596
#1	.44545	.02703	116.52	.00558	.00091	4.1712	8.9265	.02031	1.1052	.00865
#2	.44545	.02909	116.44	.00309	-.00161	4.1750	8.9346	.01846	1.1079	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03553**	**.00003**	W **-.08569**	**.00439**	**.49505**	**.00431**
Stddev	.00052	.00009	.03176	.00030	.00204	.00169
%RSD	1.4733	259.08	37.070	6.8868	.41146	39.250
#1	.03516	.00010	-.10815	.00418	.49649	.00550
#2	.03590	-.00003	-.06323	.00460	.49361	.00311
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7711.2**	**94151.**	**8832.0**
Stddev	9.3	47.	35.7
%RSD	.12033	.05016	.40468
#1	7717.8	94118.	8806.7
#2	7704.7	94184.	8857.3

Sample Name: 280-48769-a-8-b Acquired: 11/8/2013 5:03:39 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00196**	k **7.2278**	k **.02513**	**4.4099**	**.31440**	k **.00053**	k **.01001**	**320.82**	k **.00923**	k **.02968**
Stddev	.00061	.0338	.00023	.0137	.00136	.00000	.00133	3.70	.00009	.00009
%RSD	31.169	.46793	.90418	.31039	.43262	.75056	13.306	1.1526	.98660	.31993
#1	k .00239	k 7.2039	k .02529	4.4002	.31344	k .00053	k .00907	318.21	k .00929	k .02975
#2	k .00153	k 7.2518	k .02497	4.4196	.31537	k .00054	k .01095	323.44	k .00917	k .02962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.40087**	**2.9514**	k **43.631**	W **124.52**	k **1.5908**	k **214.03**	k **1.5360**	k **.07298**	W **4367.4**	k **.08573**
Stddev	.00044	.0031	.308	.83	.0037	1.95	.0007	.00030	14.2	.00024
%RSD	.11011	.10361	.70620	.66508	.23317	.91055	.04674	.41408	.32448	.28257
#1	k .40118	2.9536	k 43.413	123.93	k 1.5882	k 212.65	k 1.5355	k .07319	4357.3	k .08590
#2	k .40055	2.9493	k 43.849	125.10	k 1.5934	k 215.40	k 1.5365	k .07277	4377.4	k .08556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.81410**	k **.06487**	kF **1156.0**	k **.01201**	k **.00727**	k **13.628**	k **29.163**	k **.09242**	W **7.3645**	k **.05146**
Stddev	.00371	.00034	2.3	.00136	.00081	.081	.174	.00123	.0322	.00137
%RSD	.45534	.52900	.19992	11.335	11.164	.59708	.59708	1.3272	.43672	2.6645
#1	k .81672	k .06463	k 1154.3	k .01297	k .00669	k 13.570	k 29.040	k .09329	7.3418	k .05243
#2	k .81148	k .06512	k 1157.6	k .01105	k .00784	k 13.685	k 29.286	k .09155	7.3873	k .05049
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.08741**	k **-.00146**	k **.15819**	k **.10422**	k **2.2889**	k **.01133**
Stddev	.00074	.00060	.03186	.00015	.0021	.00098
%RSD	.85131	41.353	20.142	.14200	.09258	8.6109
#1	k .08688	k -.00189	k .18071	k .10411	k 2.2904	k .01064
#2	k .08793	k -.00103	k .13566	k .10432	k 2.2874	k .01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6904.4**	**83463.**	**8687.0**
Stddev	40.7	124.	4.5
%RSD	.58946	.14910	.05135
#1	6875.6	83375.	8690.2
#2	6933.2	83551.	8683.9

Sample Name: 280-48769-a-9-b Acquired: 11/8/2013 5:07:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**25.782**	**.08703**	**3.9728**	**.71783**	**.00170**	**-.00027**	**273.32**	**.01213**	**.02796**
Stddev	.00039	.038	.00059	.0045	.00152	.00006	.00200	.20	.00026	.00010
%RSD	5.1935	.14699	.67571	.11225	.21214	3.2504	752.13	.07311	2.1173	.37209
#1	.00786	25.809	.08745	3.9696	.71890	.00166	-.00168	273.18	.01231	.02789
#2	.00730	25.755	.08662	3.9759	.71675	.00174	.00115	273.46	.01195	.02804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49376**	**2.0778**	**77.829**	**98.297**	**1.1746**	**142.41**	**5.7123**	**.19631**	W **2205.5**	**.14649**
Stddev	.00075	.0074	.044	.109	.0052	.03	.0233	.00041	3.5	.00053
%RSD	.15169	.35678	.05686	.11086	.44654	.02392	.40736	.20991	.15809	.36430
#1	.49323	2.0726	77.860	98.374	1.1783	142.43	5.7287	.19602	2207.9	.14687
#2	.49428	2.0830	77.798	98.220	1.1709	142.38	5.6958	.19660	2203.0	.14611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.1519**	**.14729**	F **1148.4**	**.01053**	**.02171**	**41.378**	**88.548**	F **44.326**	W **5.1207**	**.03219**
Stddev	.0089	.00078	.1	.00253	.00065	.203	.435	.073	.0641	.00037
%RSD	.10853	.52901	.01229	23.978	2.9733	.49077	.49077	.16409	1.2525	1.1371
#1	8.1456	.14784	1148.5	.01232	.02126	41.521	88.856	44.274	5.1661	.03245
#2	8.1581	.14674	1148.3	.00874	.02217	41.234	88.241	44.377	5.0754	.03193
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass
High Limit	2.0000		200.00					20.000	5.0000	
Low Limit	-1.0000		-.20000					-.10000	-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75538**	**-.00346**	W **-.09598**	**.06757**	**2.5945**	**.02707**
Stddev	.00334	.00154	.02842	.00012	.0096	.00110
%RSD	.44159	44.547	29.606	.17328	.37161	4.0585
#1	.75302	-.00237	-.11608	.06749	2.5877	.02785
#2	.75773	-.00455	-.07589	.06766	2.6014	.02629
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7256.3**	**88497.**	**8936.6**
Stddev	1.9	255.	26.0
%RSD	.02598	.28796	.29095
#1	7255.0	88677.	8918.2
#2	7257.7	88317.	8955.0

Sample Name: 280-48769-a-10-b@5 Acquired: 11/8/2013 5:10:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00897**	**5.7302**	**.01214**	**.43868**	**.34115**	**.00024**	**.02251**	**38.540**	**.00544**	**.00785**
Stddev	.00005	.0034	.00195	.00185	.00081	.00001	.00100	.023	.00001	.00040
%RSD	.54233	.06028	16.076	.42103	.23694	3.7660	4.4620	.05911	.24086	5.1182
#1	.00894	5.7327	.01352	.43999	.34058	.00024	.02180	38.523	.00543	.00814
#2	.00901	5.7278	.01076	.43738	.34172	.00025	.02322	38.556	.00545	.00757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04930**	**1.1495**	**12.339**	**13.815**	**.05074**	**13.356**	**.40746**	**.01963**	**198.75**	**.04126**
Stddev	.00008	.0031	.001	.021	.00484	.021	.00061	.00025	.23	.00003
%RSD	.16972	.27272	.01187	.15261	9.5406	.15881	.14980	1.2721	.11793	.08038
#1	.04936	1.1473	12.340	13.800	.04732	13.341	.40789	.01946	198.58	.04129
#2	.04924	1.1517	12.338	13.830	.05417	13.371	.40703	.01981	198.91	.04124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0320**	**.04567**	**126.97**	**.00505**	**.00854**	**7.3099**	**15.643**	**.04124**	**.46287**	**.00705**
Stddev	.0080	.00105	.06	.00124	.00034	.0035	.007	.00031	.00031	.00236
%RSD	.19741	2.3082	.05092	24.636	3.9522	.04781	.04781	.74833	.06609	33.537
#1	4.0376	.04641	126.92	.00417	.00878	7.3124	15.649	.04102	.46265	.00872
#2	4.0263	.04492	127.01	.00593	.00830	7.3075	15.638	.04146	.46309	.00538
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06754**	**-.00021**	**-.00982**	**.02349**	**.90862**	**.00776**
Stddev	.00154	.00022	.02434	.00054	.00059	.00017
%RSD	2.2867	103.42	247.83	2.3031	.06468	2.1451
#1	.06644	-.00006	-.02704	.02310	.90821	.00788
#2	.06863	-.00037	.00739	.02387	.90904	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.2**	**101410.**	**9264.7**
Stddev	16.0	84.	87.2
%RSD	.19645	.08239	.94161
#1	8151.9	101350.	9203.0
#2	8174.5	101470.	9326.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 5:12:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00470**	**47.234**	k **-.00355**	k **.01324**	k **.00056**	k **-.00004**	kF **.85771**	k **-.01387**	k **-.00146**	k **.00089**	k **-.00094**
Stddev	.00086	.336	.00209	.00015	.00001	.00001	.00374	.00138	.00005	.00006	.00013
%RSD	18.211	.71114	58.953	1.1597	1.1665	22.268	.43596	9.9247	3.2023	7.1618	14.115
#1	k .00531	46.997	k -.00207	k .01335	k .00056	k -.00003	k .85507	k -.01484	k -.00149	k .00094	k -.00103
#2	k .00410	47.472	k -.00503	k .01313	k .00055	k -.00004	k .86036	k -.01290	k -.00143	k .00085	k -.00085
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01318**	F **42.513**	**.29391**	k **.00357**	k **-.27427**	k **-.00084**	k **-.00153**	**246.28**	k **.00186**	k **.00544**	k **.00947**
Stddev	.00035	.399	.01367	.00125	.00590	.00013	.00034	2.22	.00055	.00065	.00081
%RSD	2.6661	.93935	4.6505	35.156	2.1501	15.516	22.024	.90059	29.844	11.949	8.5682
#1	k .01343	42.230	.28424	k .00268	k -.27010	k -.00075	k -.00177	244.71	k .00146	k .00498	k .00889
#2	k .01293	42.795	.30357	k .00445	k -.27844	k -.00094	k -.00129	247.85	k .00225	k .00590	k .01004
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **5.2783**	k **.00168**	k **.00048**	k **.00119**	k **.00255**	k **.00499**	**.00072**	kW **5.2599**	k **.01479**	k **-.00126**	kW **10.991**
Stddev	.0002	.00121	.00138	.00196	.00420	.00038	.00005	.0099	.00002	.00068	.012
%RSD	.00313	71.692	289.36	164.81	164.81	7.7069	7.4002	.18739	.12722	53.666	.10522
#1	k 5.2785	k .00083	k .00145	k .00258	k .00552	k .00472	.00068	k 5.2529	k .01478	k -.00174	k 10.999
#2	k 5.2782	k .00254	k -.00050	k -.00020	k -.00042	k .00526	.00076	k 5.2669	k .01480	k -.00078	k 10.983
Check ?	Chk Warn	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value	5.0000							5.0000			10.000
Range	5.0000%							5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00081**	k **.00246**	k **.20071**
Stddev	.00063	.00031	.00187
%RSD	77.929	12.720	.93233
#1	k .00126	k .00269	k .19938
#2	k .00037	k .00224	k .20203
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8135.2**	**100920.**	**9005.9**
Stddev	14.0	367.	4.1
%RSD	.17175	.36340	.04530
#1	8145.1	100660.	9008.8
#2	8125.4	101180.	9003.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 5:15:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50024**	**.54756**	**.94384**	**.49563**	**.53568**	**.47499**	**.00067**	**4.7264**	**.50970**	**.51801**	**.46979**	**.52193**	**2.2761**
Stddev	.00301	.00116	.00437	.00049	.00035	.00056	.00049	.0026	.00089	.00019	.00035	.00084	.0001
%RSD	.60105	.21223	.46340	.09799	.06455	.11891	72.736	.05565	.17404	.03587	.07350	.16050	.00597
#1	.49812	.54838	.94074	.49597	.53592	.47460	.00102	4.7283	.51033	.51815	.47003	.52134	2.2762
#2	.50237	.54674	.94693	.49529	.53543	.47539	.00033	4.7246	.50908	.51788	.46954	.52252	2.2760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.814**	**1.0033**	**18.617**	**.51639**	**.45027**	F **6.0585**	**.48256**	**.91205**	**1.0037**	**.24099**	**1.0616**	**.96189**	F **4.4497**
Stddev	.095	.0069	.064	.00096	.00122	.0324	.00085	.00886	.0036	.02471	.0016	.00548	.0130
%RSD	.19051	.69236	.34494	.18662	.27190	.53479	.17549	.97102	.35815	10.254	.15116	.56976	.29268
#1	49.881	1.0082	18.571	.51571	.44940	6.0356	.48316	.90579	1.0011	.25847	1.0605	.95802	4.4405
#2	49.747	.99841	18.662	.51707	.45113	6.0814	.48197	.91831	1.0062	.22352	1.0627	.96577	4.4589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value						5.0000							5.0000
Range						10.490%							-10.490%

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.5224**	**.91291**	**.51422**	**.00160**	**.53086**	**1.0623**	**-.03327**	**.49154**	**.45837**	**.49728**
Stddev	.0279	.00001	.00097	.00020	.00089	.0041	.03365	.00076	.00088	.00099
%RSD	.29268	.00162	.18844	12.604	.16820	.38971	101.14	.15513	.19215	.19943
#1	9.5027	.91292	.51491	.00146	.53023	1.0594	-.05706	.49100	.45774	.49658
#2	9.5421	.91290	.51354	.00175	.53150	1.0652	-.00948	.49207	.45899	.49799
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	10.700									
Range	-10.490%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8372.7**	**104400.**	**9224.7**
Stddev	2.3	272.	83.3
%RSD	.02747	.26037	.90267
#1	8374.3	104600.	9165.8
#2	8371.0	104210.	9283.6

Sample Name: CCB Acquired: 11/8/2013 5:17:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00327**	**.00089**	F **.00743**	**.00026**	**.00001**	**.00226**	**.00313**	**-.00010**	**.00000**	**.00008**
Stddev	.00019	.00001	.00163	.00013	.00024	.00002	.00094	.00356	.00001	.0001	.00005
%RSD	138.55	.16130	184.15	1.7422	93.064	366.60	41.580	113.48	6.0414	2059.1	61.471
#1	.00028	.00328	-.00027	.00734	.00009	.00002	.00293	.00565	-.00011	-.00004	.00004
#2	.00000	.00327	.00204	.00752	.00044	-.00001	.00160	.00062	-.00010	.00004	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00210**	**.00188**	**.17543**	W **.00288**	**.00540**	**.00020**	**.00036**	F **.58034**	**.00021**	**.00188**	**-.00028**
Stddev	.00023	.00289	.05351	.00072	.00107	.00005	.00010	.02569	.00039	.00016	.00062
%RSD	10.802	153.64	30.502	24.919	19.806	26.530	28.655	4.4262	186.48	8.6550	221.57
#1	-.00226	.00393	.13760	.00237	.00615	.00024	.00043	.59850	.00049	.00177	-.00072
#2	-.00194	-.00016	.21327	.00339	.00464	.00016	.00029	.56218	-.00007	.00200	.00016
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261				.18320			
Low Limit	-.00136			-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19210**	W **.00548**	**-.00058**	**-.01342**	**-.02873**	**.00303**	**.00028**	**.00550**	**-.00003**	**-.00113**	**-.04863**
Stddev	.00296	.00189	.00173	.02760	.05905	.00028	.00006	.00077	.00041	.00111	.00293
%RSD	1.5427	34.441	298.83	205.56	205.56	9.3193	20.328	14.022	1648.2	98.481	6.0310
#1	.19419	.00682	.00065	-.03294	-.07049	.00323	.00024	.00495	.00027	-.00192	-.04655
#2	.19000	.00415	-.00181	.00609	.01303	.00283	.00032	.00604	-.00032	-.00034	-.05070
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00004**	**.00444**	**.00233**
Stddev	.00012	.00031	.00010
%RSD	296.11	6.9860	4.1126
#1	.00004	.00422	.00240
#2	-.00013	.00466	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8148.0**	**104960.**	**8930.6**
Stddev	5.1	682.	40.3
%RSD	.06316	.64959	.45132
#1	8144.3	105440.	8902.1
#2	8151.6	104470.	8959.1

Sample Name: CCVL2363703 Acquired: 11/8/2013 5:19:44 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**.11504**	**.01380**	**.09901**	**.01122**	**.00091**	**.10937**	**.19806**	**.00503**	**.01094**	**.00984**	**.01406**	**.09675**
Stddev	.00002	.00064	.00033	.00038	.00025	.00003	.00137	.00883	.00022	.00002	.00004	.00002	.00215
%RSD	.16111	.55336	2.4052	.37891	2.1966	3.2179	1.2506	4.4559	4.4112	.15197	.44534	.11998	2.2253
#1	.01082	.11459	.01356	.09874	.01139	.00089	.10841	.19182	.00488	.01093	.00987	.01407	.09523
#2	.01084	.11549	.01403	.09927	.01104	.00093	.11034	.20431	.00519	.01095	.00981	.01405	.09827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2516**	**.01097**	**.20572**	**.01083**	**.01799**	F **1.6412**	**.04055**	**2.6636**	**.01037**	**.13197**	**.01290**	**.01385**	**.41961**
Stddev	.0032	.00124	.00155	.00014	.00014	.0630	.00019	.0028	.00012	.00634	.00034	.00245	.01095
%RSD	.09726	11.340	.75135	1.2692	.76340	3.8390	.46483	.10662	1.1418	4.8056	2.6415	17.701	2.6092
#1	3.2538	.01184	.20462	.01093	.01809	1.5967	.04069	2.6616	.01029	.13645	.01314	.01212	.41187
#2	3.2494	.01009	.20681	.01074	.01789	1.6858	.04042	2.6656	.01045	.12748	.01266	.01558	.42735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89797**	**.09620**	**.01065**	F **.02121**	**.01033**	**.01574**	**.04710**	**.00953**	**.02248**	**.01472**
Stddev	.02343	.00049	.00005	.00024	.00013	.00035	.03945	.00021	.00005	.00107
%RSD	2.6092	.51379	.49111	1.1463	1.2500	2.2050	83.763	2.2373	.20321	7.2656
#1	.88140	.09585	.01061	.02138	.01024	.01598	.01920	.00968	.02245	.01396
#2	.91454	.09655	.01069	.02104	.01042	.01549	.07499	.00938	.02251	.01548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01500						
Range				30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8309.0**	**104620.**	**8813.2**
Stddev	18.6	16.	99.4
%RSD	.22328	.01500	1.1276
#1	8322.1	104640.	8883.5
#2	8295.8	104610.	8742.9

Sample Name: 280-48769-a-1-b Acquired: 11/8/2013 5:22:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01651**	**9.1442**	**.01175**	**.80203**	**.16584**	**.00056**	**-.00044**	**43.995**	W **2.7862**	**.00679**
Stddev	.00097	.0036	.00067	.00242	.00019	.00009	.00455	.008	.0027	.00008
%RSD	5.8480	.03912	5.6983	.30192	.11534	16.567	1039.3	.01918	.09750	1.1410
#1	.01583	9.1467	.01128	.80374	.16598	.00063	.00278	43.989	2.7843	.00684
#2	.01719	9.1417	.01223	.80032	.16571	.00050	-.00366	44.001	2.7881	.00673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02188**	**4.8021**	**14.640**	W **118.95**	**.06322**	**33.755**	**1.0150**	**1.1693**	W **880.54**	**.03311**
Stddev	.00023	.0142	.011	.41	.00050	.003	.0028	.0007	.44	.00057
%RSD	1.0629	.29532	.07478	.34322	.79238	.00895	.27514	.05726	.04976	1.7132
#1	.02204	4.7921	14.633	118.67	.06358	33.757	1.0130	1.1697	880.23	.03351
#2	.02171	4.8121	14.648	119.24	.06287	33.752	1.0170	1.1688	880.85	.03271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **108.62**	**.01817**	F **1116.7**	**.00548**	**.00541**	**15.565**	**33.309**	**.22650**	**.59954**	**.00858**
Stddev	.03	.00060	.5	.00025	.00183	.024	.052	.00244	.00037	.00245
%RSD	.02816	3.3035	.04510	4.6462	33.917	.15712	.15712	1.0764	.06100	28.606
#1	108.60	.01775	1117.0	.00566	.00671	15.548	33.272	.22822	.59980	.00684
#2	108.64	.01860	1116.3	.00530	.00411	15.582	33.346	.22477	.59928	.01031
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53270**	**-.00138**	W **-.09058**	**.02927**	**.22690**	**.01012**
Stddev	.00174	.00073	.03635	.00082	.00057	.00025
%RSD	.32720	52.767	40.129	2.7985	.25144	2.5057
#1	.53147	-.00189	-.06488	.02985	.22649	.01030
#2	.53393	-.00086	-.11628	.02869	.22730	.00994
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7619.7**	**92762.**	**8772.1**
Stddev	6.4	17.	10.1
%RSD	.08371	.01782	.11498
#1	7615.2	92774.	8779.3
#2	7624.2	92750.	8765.0

Sample Name: 280-48769-a-2-b Acquired: 11/8/2013 5:24:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.07898**	k **19.980**	k **.03043**	k **.52460**	k **.21357**	k **.00126**	kW **.05485**	**50.680**	k **.01189**	k **.00126**
Stddev	.00055	.019	.00058	.00219	.00129	.00008	.00162	.141	.00027	.00026
%RSD	.69075	.09339	1.9202	.41816	.60436	6.2499	2.9464	.27898	2.2382	20.388
#1	k .07936	k 19.967	k .03084	k .52616	k .21448	k .00120	k .05599	50.780	k .01170	k .00144
#2	k .07859	k 19.993	k .03002	k .52305	k .21265	k .00131	k .05370	50.580	k .01208	k .00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.08669**	k **.11613**	**19.961**	F **1285.3**	k **.01482**	k **11.298**	^ *****	kF **-.05015**	W **1829.8**	k **.04966**
Stddev	.00017	.00030	.021	31.5	.00627	.067	-----	.00008	6.9	.00051
%RSD	.19563	.26085	.10321	2.4538	42.304	.59382	-----	.16843	.37531	1.0347
#1	k .08657	k .11635	19.975	1263.0	k .01039	k 11.345	^ -----	k -.05021	1834.7	k .05002
#2	k .08681	k .11592	19.946	1307.6	k .01925	k 11.250	^ -----	k -.05009	1824.9	k .04929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass
High Limit				500.00				20.000	500.00	
Low Limit				-2.0000				-.02000	11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **1.7541**	k **.36555**	kF **2495.5**	k **.39600**	k **.94905**	k **23.618**	k **50.542**	F **864.22**	**.33559**	kF **-.11634**
Stddev	.0014	.00037	7.9	.00167	.00071	.044	.093	4.73	.00109	.00097
%RSD	.07718	.10053	.31815	.42087	.07482	.18448	.18448	.54749	.32411	.82983
#1	k 1.7551	k .36529	k 2501.1	k .39718	k .94955	k 23.587	k 50.477	860.87	.33636	k -.11565
#2	k 1.7532	k .36581	k 2489.9	k .39482	k .94855	k 23.649	k 50.608	867.56	.33483	k -.11702
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit			200.00					20.000		50.000
Low Limit			-.20000					-.10000		-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.90332**	k **1.3919**	kF **-15.312**	^ *****	k **.78451**	k **.15483**
Stddev	.00135	.0040	.027	-----	.00224	.00141
%RSD	.14918	.28959	.17602	-----	.28527	.91256
#1	k .90237	k 1.3948	k -15.293	^ -----	k .78609	k .15583
#2	k .90427	k 1.3891	k -15.331	^ -----	k .78293	k .15383
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7609.2**	**85705.**	**8412.2**
Stddev	13.1	652.	38.0
%RSD	.17202	.76110	.45132
#1	7599.9	85243.	8385.4
#2	7618.4	86166.	8439.0

Sample Name: 280-48769-a-4-b Acquired: 11/8/2013 5:28:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00681**	**65.251**	**.04124**	**3.4258**	**1.2394**	**.00266**	**-.01374**	F **1203.9**	**.01550**	**.03396**
Stddev	.00005	.213	.00295	.0000	.0002	.00004	.00017	1.8	.00012	.00032
%RSD	.73048	.32681	7.1635	.00033	.01593	1.6700	1.2544	.14775	.78881	.95051
#1	.00677	65.100	.04333	3.4258	1.2392	.00263	-.01362	1202.6	.01542	.03373
#2	.00684	65.401	.03915	3.4258	1.2395	.00270	-.01386	1205.1	.01559	.03419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6041**	**.35957**	**115.12**	**45.408**	**.45826**	W **655.76**	**3.7376**	**.02753**	W **658.41**	**.22471**
Stddev	.0005	.00091	.07	.049	.00253	.69	.0287	.00003	.19	.00024
%RSD	.01810	.25201	.05985	.10733	.55201	.10594	.76853	.09614	.02838	.10461
#1	2.6038	.35893	115.07	45.374	.45647	655.27	3.7173	.02751	658.28	.22454
#2	2.6044	.36021	115.17	45.443	.46005	656.25	3.7579	.02755	658.55	.22488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.1136**	**1.8370**	F **366.50**	**.01700**	**.00745**	**49.759**	**106.48**	**.23135**	W **8.3664**	**.04637**
Stddev	.0118	.0024	.11	.00165	.00099	.455	.97	.07433	.0335	.00237
%RSD	.23031	.12814	.02993	9.7005	13.275	.91385	.91385	32.129	.39987	5.1055
#1	5.1052	1.8387	366.42	.01816	.00815	50.080	107.17	.17879	8.3901	.04804
#2	5.1219	1.8353	366.58	.01583	.00675	49.437	105.80	.28391	8.3428	.04470
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88582**	**-.00144**	F **-.15373**	**.08349**	F **54.283**	**.03665**
Stddev	.00160	.00091	.00276	.00032	.056	.00009
%RSD	.18071	63.188	1.7969	.37812	.10342	.25500
#1	.88695	-.00208	-.15569	.08372	54.323	.03659
#2	.88468	-.00080	-.15178	.08327	54.243	.03672
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			50.000		50.000	
Low Limit			-.10000		-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**11000.**	**135850.**	**13927.**
Stddev	40.	110.	6.
%RSD	.36313	.08096	.04431
#1	11028.	135930.	13931.
#2	10972.	135780.	13922.

Sample Name: 280-48769-a-5-b Acquired: 11/8/2013 5:32:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01458**	**25.865**	**.52922**	**1.8887**	**.52263**	**.00119**	F **.50625**	**287.11**	**.40573**	**.02411**
Stddev	.00013	.478	.00837	.0038	.00992	.00004	.00772	6.58	.00087	.00000
%RSD	.91295	1.8486	1.5813	.20228	1.8986	3.4540	1.5254	2.2903	.21483	.00327
#1	.01448	25.527	.53514	1.8914	.51561	.00122	.51171	282.46	.40635	.02411
#2	.01467	26.203	.52330	1.8860	.52964	.00116	.50079	291.76	.40511	.02411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5105**	**7.5357**	**215.97**	W **108.35**	**.50500**	**153.69**	**2.8687**	**.27619**	W **3108.8**	**.18633**
Stddev	.0002	.0471	3.38	2.44	.00882	.65	.0211	.00026	59.3	.00014
%RSD	.01249	.62560	1.5667	2.2530	1.7455	.42312	.73613	.09585	1.9063	.07363
#1	1.5106	7.5023	213.57	106.63	.49877	154.15	2.8537	.27600	3066.9	.18624
#2	1.5103	7.5690	218.36	110.08	.51124	153.23	2.8836	.27638	3150.7	.18643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **31.681**	**.34979**	F **572.22**	**.00936**	**.02109**	W **50.826**	**108.77**	**.33739**	**4.4279**	**.05968**
Stddev	.061	.00042	1.40	.00223	.00293	.973	2.08	.00650	.0840	.00447
%RSD	.19359	.11897	.24515	23.778	13.909	1.9152	1.9152	1.9268	1.8977	7.4902
#1	31.724	.34950	573.21	.01093	.01901	50.138	107.29	.34199	4.3685	.06284
#2	31.637	.35009	571.22	.00779	.02316	51.514	110.24	.33280	4.4874	.05652
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45118**	**-.00545**	W **-.05914**	**.16766**	W **10.649**	**.02728**
Stddev	.00321	.00065	.02912	.00031	.058	.00157
%RSD	.71222	11.844	49.232	.18386	.54909	5.7724
#1	.44891	-.00500	-.07973	.16744	10.608	.02839
#2	.45345	-.00591	-.03855	.16787	10.691	.02617
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			45.000		10.000	
Low Limit			-.05000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7109.6**	**86083.**	**8796.3**
Stddev	12.1	419.	108.7
%RSD	.17006	.48631	1.2357
#1	7118.1	86379.	8873.1
#2	7101.0	85787.	8719.4

Sample Name: 280-48769-a-6-b Acquired: 11/8/2013 5:36:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00511**	**6.3120**	**.02206**	**3.4631**	**.46004**	**.00041**	**-.00712**	**234.90**	**.01212**	**.01372**
Stddev	.00018	.0139	.00026	.0002	.00320	.00004	.00164	.25	.00001	.00007
%RSD	3.4313	.21997	1.1588	.00451	.69468	11.028	23.056	.10494	.11227	.54153
#1	.00524	6.3022	.02224	3.4632	.45778	.00038	-.00828	234.72	.01211	.01367
#2	.00499	6.3218	.02188	3.4630	.46230	.00044	-.00596	235.07	.01213	.01377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47147**	**2.5285**	**60.030**	W **193.98**	**1.1136**	**190.97**	**2.4833**	**.13547**	W **4507.9**	**.13250**
Stddev	.00001	.0097	.025	1.73	.0082	1.96	.0018	.00074	18.6	.00002
%RSD	.00305	.38362	.04197	.89374	.73873	1.0245	.07106	.54722	.41184	.01542
#1	.47146	2.5353	60.012	192.75	1.1077	189.59	2.4821	.13495	4494.8	.13249
#2	.47148	2.5216	60.048	195.20	1.1194	192.35	2.4846	.13600	4521.1	.13252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9748**	**.08085**	F **1365.0**	**.01431**	**.01075**	**14.496**	**31.020**	**.13142**	**4.3525**	**.01906**
Stddev	.0079	.00105	.9	.00097	.00167	.047	.101	.00257	.0196	.00217
%RSD	.39868	1.3012	.06432	6.7767	15.500	.32487	.32487	1.9549	.45084	11.406
#1	1.9693	.08011	1365.6	.01362	.00957	14.462	30.949	.13324	4.3386	.02060
#2	1.9804	.08160	1364.4	.01499	.01193	14.529	31.092	.12961	4.3664	.01752
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07779**	**-.00300**	W **-.07218**	**.02619**	**3.3367**	**.00709**
Stddev	.00049	.00217	.03233	.00018	.0080	.00025
%RSD	.62580	72.356	44.788	.70422	.23835	3.4960
#1	.07813	-.00147	-.04932	.02606	3.3311	.00726
#2	.07744	-.00454	-.09504	.02632	3.3423	.00691
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6894.4**	**83110.**	**8519.3**
Stddev	1.5	248.	36.9
%RSD	.02157	.29891	.43284
#1	6893.3	83286.	8545.4
#2	6895.4	82934.	8493.3

Sample Name: 280-48769-a-7-b Acquired: 11/8/2013 5:39:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**7.0876**	**.01463**	**1.7315**	**2.4969**	**.00026**	**-.00735**	**225.34**	**.02481**	**.01395**
Stddev	.00009	.0189	.00038	.0013	.0055	.00002	.00064	.18	.00000	.00011
%RSD	3.6272	.26717	2.6040	.07363	.22052	8.9790	8.7063	.08132	.00203	.78605
#1	.00232	7.1010	.01436	1.7324	2.5008	.00028	-.00780	225.47	.02481	.01402
#2	.00244	7.0743	.01490	1.7306	2.4930	.00025	-.00690	225.21	.02481	.01387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28572**	**.89160**	**34.397**	**98.965**	**1.1881**	**141.94**	**1.3776**	**.04673**	W **2927.7**	**.19934**
Stddev	.00046	.00564	.124	.206	.0044	.19	.0060	.00024	3.7	.00006
%RSD	.16068	.63272	.36148	.20861	.37146	.13288	.43726	.52297	.12486	.03100
#1	.28540	.88761	34.485	98.819	1.1850	142.08	1.3733	.04655	2930.3	.19939
#2	.28605	.89559	34.309	99.111	1.1912	141.81	1.3819	.04690	2925.2	.19930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2065**	**.12367**	F **564.77**	**.00685**	**.00681**	**20.198**	**43.223**	**.14766**	W **5.3054**	**.00990**
Stddev	.0114	.00018	.35	.00155	.00268	.010	.022	.10882	.0585	.00082
%RSD	.51546	.14416	.06269	22.597	39.266	.05060	.05060	73.691	1.1033	8.2362
#1	2.1984	.12354	565.02	.00794	.00871	20.205	43.238	.07072	5.3468	.00932
#2	2.2145	.12379	564.52	.00576	.00492	20.190	43.207	.22461	5.2640	.01047
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16990**	**.00045**	**-.02390**	**.02190**	**2.3023**	**.01916**
Stddev	.00094	.00041	.00713	.00001	.0086	.00313
%RSD	.55446	90.435	29.816	.03191	.37486	16.344
#1	.17057	.00016	-.01886	.02189	2.2962	.02138
#2	.16924	.00074	-.02894	.02190	2.3084	.01695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7145.1**	**85716.**	**8651.6**
Stddev	2.1	133.	71.7
%RSD	.02909	.15556	.82885
#1	7146.6	85810.	8600.9
#2	7143.7	85622.	8702.3

Sample Name: 280-48769-a-10-b Acquired: 11/8/2013 5:43:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04744**	**27.387**	**.05782**	**1.9730**	**1.6744**	**.00104**	F **.11101**	**186.04**	**.02708**	**.03732**
Stddev	.00001	.036	.00207	.0002	.0016	.00001	.00134	.07	.00008	.00014
%RSD	.01737	.13093	3.5765	.00978	.09613	.77634	1.2109	.03821	.31339	.37753
#1	.04743	27.362	.05929	1.9731	1.6755	.00105	.11006	185.99	.02714	.03742
#2	.04744	27.413	.05636	1.9728	1.6733	.00103	.11196	186.09	.02702	.03722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23850**	**5.5983**	**58.484**	**69.551**	**.23772**	**64.522**	**1.9826**	**.09659**	W **985.00**	**.19419**
Stddev	.00033	.0064	.240	.080	.00420	.032	.0039	.00020	.57	.00009
%RSD	.13994	.11409	.40965	.11537	1.7680	.04894	.19770	.20702	.05830	.04641
#1	.23826	5.6028	58.654	69.494	.23475	64.544	1.9854	.09645	984.59	.19413
#2	.23874	5.5938	58.315	69.607	.24070	64.500	1.9799	.09673	985.41	.19425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.822**	**.20986**	F **606.77**	**.00998**	**.04906**	**36.162**	**77.386**	**.17566**	**2.2792**	**.01757**
Stddev	.008	.00040	.42	.00138	.00287	.028	.059	.00273	.0009	.00137
%RSD	.03891	.18911	.06856	13.829	5.8551	.07610	.07610	1.5534	.03752	7.8100
#1	19.817	.20958	607.06	.01095	.05109	36.142	77.344	.17759	2.2798	.01854
#2	19.828	.21014	606.47	.00900	.04703	36.181	77.427	.17373	2.2785	.01660
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32922**	**.00053**	**.10935**	**.11222**	**4.3668**	**.03611**
Stddev	.00028	.00096	.02505	.00054	.0015	.00139
%RSD	.08537	181.96	22.904	.48434	.03473	3.8545
#1	.32902	.00121	.09164	.11184	4.3657	.03512
#2	.32942	-.00015	.12706	.11261	4.3678	.03709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7703.1**	**94048.**	**9024.2**
Stddev	17.2	13.	35.4
%RSD	.22361	.01410	.39191
#1	7690.9	94038.	8999.2
#2	7715.3	94057.	9049.2

Sample Name: CCVH-2357613 Acquired: 11/8/2013 5:45:59 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00511**	**46.604**	k **-.00011**	k **.01451**	k **.00063**	k **-.00005**	kF **.85573**	k **.01187**	k **-.00134**	k **.00084**	k **-.00089**
Stddev	.00052	.123	.00315	.00051	.00043	.00003	.00595	.00003	.00002	.00006	.00006
%RSD	10.236	.26308	2839.9	3.5198	68.264	58.130	.69549	.24814	1.3178	7.3444	6.6129
#1	k .00548	46.518	k -.00234	k .01487	k .00093	k -.00008	k .85152	k .01189	k -.00133	k .00089	k -.00085
#2	k .00474	46.691	k .00212	k .01415	k .00033	k -.00003	k .85994	k .01184	k -.00135	k .00080	k -.00094
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01336**	F **42.882**	**.72852**	k **.00321**	k **-.26532**	k **.00574**	k **-.00147**	**247.07**	k **.00182**	k **.01282**	k **.00919**
Stddev	.00039	.251	.02912	.00029	.00152	.00153	.00006	.09	.00024	.00217	.00002
%RSD	2.9121	.58634	3.9970	8.9822	.57156	26.607	4.2168	.03673	13.405	16.942	.25156
#1	k .01309	42.705	.70793	k .00341	k -.26639	k .00466	k -.00151	247.01	k .00165	k .01436	k .00921
#2	k .01364	43.060	.74910	k .00301	k -.26425	k .00682	k -.00142	247.14	k .00200	k .01129	k .00918
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **5.3508**	k **.00306**	k **-.00334**	k **.03542**	k **.07580**	k **.02601**	**.00092**	kW **5.2734**	k **.01435**	k **-.00224**	kW **10.911**
Stddev	.0425	.00059	.00240	.00149	.00320	.00127	.00007	.0039	.00018	.00055	.030
%RSD	.79467	19.276	71.811	4.2169	4.2169	4.8791	7.6687	.07466	1.2371	24.596	.27829
#1	k 5.3207	k .00347	k -.00503	k .03436	k .07354	k .02691	.00087	k 5.2706	k .01448	k -.00185	k 10.932
#2	k 5.3808	k .00264	k -.00164	k .03647	k .07806	k .02511	.00097	k 5.2762	k .01422	k -.00263	k 10.889
Check ?	Chk Warn	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value	5.0000							5.0000			10.000
Range	5.0000%							5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00122**	k **.00408**	k **.20298**
Stddev	.00042	.00053	.00322
%RSD	34.579	12.896	1.5863
#1	k .00152	k .00370	k .20071
#2	k .00092	k .00445	k .20526
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8131.6**	**100530.**	**8960.9**
Stddev	10.5	563.	59.0
%RSD	.12922	.56027	.65835
#1	8124.1	100140.	8919.2
#2	8139.0	100930.	9002.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 5:48:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50075**	F **.55537**	**.95170**	**.49919**	**.53654**	**.47410**	**.00406**	**4.7385**	**.51193**	**.52147**	**.47320**	**.52223**
Stddev	.00061	.00099	.01108	.00180	.00027	.00028	.00053	.0151	.00333	.00384	.00389	.00018
%RSD	.12222	.17905	1.1643	.36025	.05021	.05878	12.978	.31812	.64957	.73720	.82253	.03529
#1	.50118	.55467	.94386	.49792	.53673	.47430	.00444	4.7492	.50958	.51875	.47044	.52236
#2	.50032	.55607	.95954	.50047	.53635	.47391	.00369	4.7279	.51428	.52419	.47595	.52210
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2779**	**50.266**	**1.0047**	**18.704**	**.52098**	**.45294**	F **6.4148**	**.48653**	**.91990**	**1.0066**	**.30599**	**1.0690**
Stddev	.0049	.112	.0034	.007	.00093	.00378	.0280	.00411	.00378	.0071	.01400	.0045
%RSD	.21463	.22188	.34259	.04008	.17830	.83524	.43707	.84541	.41111	.70913	4.5743	.41908
#1	2.2814	50.345	1.0071	18.699	.52033	.45026	6.4346	.48362	.91723	1.0016	.31588	1.0659
#2	2.2745	50.187	1.0023	18.709	.52164	.45561	6.3950	.48944	.92257	1.0117	.29609	1.0722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96715**	W **4.4829**	W **9.5935**	**.92710**	**.51453**	**.00447**	**.53239**	**1.0596**	**-.03523**	**.49261**	**.46255**	**.50031**
Stddev	.00735	.0145	.0311	.00658	.00060	.00232	.00058	.0073	.03171	.00050	.00089	.00117
%RSD	.76019	.32437	.32437	.70969	.11747	51.932	.10853	.69313	90.005	.10071	.19176	.23309
#1	.96195	4.4727	9.5715	.92245	.51496	.00283	.53198	1.0544	-.01281	.49296	.46318	.50113
#2	.97235	4.4932	9.6155	.93175	.51410	.00611	.53280	1.0648	-.05766	.49226	.46192	.49949
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000	10.700									
Range		-10.000%	-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8288.3**	**103600.**	**9046.8**
Stddev	59.5	19.	16.8
%RSD	.71740	.01858	.18601
#1	8330.3	103610.	9058.7
#2	8246.2	103580.	9034.9

Sample Name: CCB Acquired: 11/8/2013 5:50:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00361**	**.00146**	F **.00750**	**.00039**	**.00018**	**.00274**	**.00400**	**.00004**	**.00036**	**.00018**
Stddev	.00010	.00085	.00293	.00042	.00006	.00000	.00243	.00374	.00003	.00018	.00009
%RSD	14.670	23.656	200.56	5.5800	16.678	.08182	88.615	93.499	86.504	49.301	48.520
#1	.00075	.00422	-.00061	.00780	.00043	.00018	.00446	.00664	.00001	.00048	.00025
#2	.00061	.00301	.00353	.00721	.00034	.00018	.00102	.00135	.00006	.00023	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00178**	**.00388**	F **.41112**	W **.00268**	**.00881**	F **.00117**	**.00019**	F **.84561**	**.00039**	**.00189**	**.00062**
Stddev	.00081	.00280	.03528	.00115	.00004	.00010	.00037	.00697	.00001	.00019	.00064
%RSD	45.840	72.060	8.5812	42.889	.49059	8.5380	194.14	.82457	2.7281	9.9097	102.54
#1	-.00120	.00586	.43607	.00349	.00884	.00124	-.00007	.84068	.00040	.00175	.00108
#2	-.00235	.00190	.38617	.00187	.00878	.00110	.00045	.85054	.00038	.00202	.00017
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136		.25000	.00261		.00050		.18320			
Low Limit	-.00136		-.25000	-.00261		-.00050		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.24561**	W **.00391**	**-.00021**	**-.00843**	**-.01805**	F **.01392**	W **.00033**	**.00527**	**-.00015**	**-.00099**	**-.03548**
Stddev	.00835	.00121	.00089	.00767	.01642	.00037	.00008	.00008	.00026	.00000	.00538
%RSD	3.4009	30.847	431.17	91.002	91.002	2.6749	25.035	1.5734	176.57	.11268	15.157
#1	.25151	.00306	-.00083	-.00301	-.00643	.01418	.00027	.00521	.00004	-.00099	-.03168
#2	.23970	.00476	.00042	-.01386	-.02966	.01365	.00039	.00533	-.00033	-.00099	-.03928
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.20000	.00314				.01166	.00030				
Low Limit	-.20000	-.00314				-.01166	-.00030				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00024**	**.00429**	**.00159**
Stddev	.00016	.00019	.00034
%RSD	66.418	4.3931	21.546
#1	-.00013	.00442	.00184
#2	-.00035	.00416	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8219.9**	**103190.**	**8772.3**
Stddev	4.8	2.	5.3
%RSD	.05811	.00211	.06096
#1	8216.5	103190.	8776.1
#2	8223.3	103190.	8768.5

Sample Name: CCVL2363703 Acquired: 11/8/2013 5:52:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01073**	**.11771**	**.01621**	**.10070**	**.01119**	**.00096**	**.10831**	**.19293**	**.00529**	**.01114**	**.00997**	**.01423**	**.09177**
Stddev	.00047	.00190	.00099	.00076	.00009	.00006	.00120	.00246	.00003	.00001	.00004	.00010	.00023
%RSD	4.3695	1.6179	6.0984	.75318	.77044	6.2639	1.1124	1.2747	.54819	.07798	.44975	.72850	.25118
#1	.01107	.11637	.01551	.10124	.01125	.00092	.10746	.19119	.00527	.01113	.01000	.01415	.09193
#2	.01040	.11906	.01691	.10016	.01113	.00100	.10917	.19467	.00531	.01115	.00994	.01430	.09161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4160**	**.01275**	**.20224**	**.01104**	**.01827**	F **1.7939**	**.04046**	**2.6829**	**.01087**	**.17040**	**.01220**	**.01436**	**.43232**
Stddev	.0382	.00070	.00204	.00002	.00018	.0073	.00003	.0050	.00024	.00339	.00157	.00070	.00900
%RSD	1.1185	5.4584	1.0066	.19098	.95898	.40563	.06444	.18551	2.2159	1.9867	12.905	4.9034	2.0809
#1	3.3890	.01325	.20368	.01103	.01815	1.7991	.04044	2.6864	.01070	.16801	.01109	.01386	.43868
#2	3.4430	.01226	.20080	.01106	.01839	1.7888	.04048	2.6794	.01104	.17280	.01331	.01486	.42596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92517**	**.10418**	**.01071**	F **.02013**	**.01068**	**.01676**	**.04754**	**.01022**	**.02318**	**.01698**
Stddev	.01925	.00054	.00001	.00022	.00004	.00133	.02744	.00013	.00010	.00194
%RSD	2.0809	.51533	.07445	1.0928	.40059	7.9330	57.719	1.2956	.42244	11.393
#1	.93878	.10456	.01072	.01998	.01065	.01770	.06694	.01013	.02311	.01835
#2	.91156	.10380	.01071	.02029	.01071	.01582	.02813	.01031	.02325	.01562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01500						
Range				30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8336.4**	**105230.**	**8851.9**
Stddev	17.4	473.	48.8
%RSD	.20909	.44919	.55100
#1	8324.1	105570.	8886.3
#2	8348.7	104900.	8817.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 8:01:03 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00464**	**46.617**	k **.00092**	k **.00474**	k **.00027**	k **-.00004**	kF **.86442**	k **-.03046**	k **-.00149**	k **.00065**	k **-.00086**
Stddev	.00046	.196	.00121	.00105	.00027	.00003	.00298	.00233	.00015	.00000	.00009
%RSD	9.9900	.41974	131.65	22.252	101.67	72.101	.34467	7.6425	9.8610	.53371	10.053
#1	k .00496	46.479	k .00006	k .00548	k .00046	k -.00006	k .86232	k -.03211	k -.00138	k .00065	k -.00092
#2	k .00431	46.755	k .00177	k .00399	k .00007	k -.00002	k .86653	k -.02882	k -.00159	k .00066	k -.00080
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01464**	F **43.638**	**.02665**	k **.00365**	k **-.29244**	k **-.00128**	k **-.00163**	**248.92**	k **.00155**	k **.00322**	k **.00913**
Stddev	.00064	.019	.01140	.00120	.00271	.00003	.00005	1.45	.00026	.00175	.00094
%RSD	4.3956	.04458	42.759	32.920	.92642	2.4163	2.9241	.58251	17.025	54.175	10.289
#1	k .01510	43.652	.01859	k .00450	k -.29435	k -.00130	k -.00160	247.90	k .00136	k .00199	k .00847
#2	k .01419	43.624	.03471	k .00280	k -.29052	k -.00126	k -.00166	249.95	k .00173	k .00446	k .00980
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.8951**	k **.00238**	k **-.00278**	k **-.01047**	k **-.02241**	k **.00328**	**.00026**	kW **5.2918**	k **.01335**	k **-.00181**	kW **10.780**
Stddev	.0113	.00059	.00060	.01609	.03442	.00006	.00014	.0111	.00035	.00041	.011
%RSD	.23024	24.647	21.586	153.64	153.64	1.7538	52.048	.20918	2.6003	22.731	.09991
#1	k 4.8872	k .00197	k -.00235	k .00090	k .00194	k .00332	.00036	k 5.2840	k .01311	k -.00210	k 10.788
#2	k 4.9031	k .00280	k -.00320	k -.02184	k -.04675	k .00324	.00017	k 5.2997	k .01360	k -.00152	k 10.772
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00130**	k **.00150**	k **.20650**
Stddev	.00042	.00025	.00057
%RSD	32.127	16.769	.27384
#1	k .00160	k .00168	k .20690
#2	k .00101	k .00132	k .20610
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7951.8**	**98645.**	**8610.5**
Stddev	27.0	70.	44.6
%RSD	.33979	.07053	.51822
#1	7970.9	98694.	8642.1
#2	7932.7	98596.	8579.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 8:03:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50532**	**.54160**	**.95342**	**.49317**	**.53070**	**.46998**	**.00004**	**4.7255**	**.50840**	**.51528**	**.47891**	**.51558**	**2.3217**
Stddev	.00067	.00298	.00535	.00020	.00134	.00138	.00082	.0253	.00002	.00060	.00083	.00028	.0097
%RSD	.13292	.54930	.56099	.04014	.25164	.29285	2004.6	.53446	.00465	.11711	.17329	.05502	.41627
#1	.50580	.53950	.94964	.49303	.52975	.46901	.00062	4.7076	.50841	.51486	.47950	.51578	2.3148
#2	.50485	.54370	.95720	.49331	.53164	.47096	-.00054	4.7433	.50838	.51571	.47833	.51538	2.3285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.200**	**1.0183**	**19.193**	**.51522**	**.45990**	**5.3859**	**.48972**	**.92906**	**1.0103**	**.03461**	**1.0448**	**.96599**	**4.5198**
Stddev	.011	.0026	.057	.00138	.00077	.0116	.00094	.00596	.0008	.00230	.0045	.00034	.0330
%RSD	.02156	.25844	.29562	.26823	.16820	.21500	.19237	.64183	.08144	6.6336	.42916	.03524	.72966
#1	50.208	1.0201	19.233	.51619	.46044	5.3941	.49039	.93327	1.0108	.03299	1.0480	.96575	4.4964
#2	50.192	1.0164	19.152	.51424	.45935	5.3777	.48906	.92484	1.0097	.03624	1.0416	.96623	4.5431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6723**	**.93301**	**.51157**	**.00184**	**.52178**	**1.0609**	**-.01459**	**.49036**	**.47130**	**.49490**
Stddev	.0706	.00407	.00098	.00183	.00099	.0005	.00265	.00105	.00340	.00552
%RSD	.72966	.43579	.19079	99.171	.18971	.04729	18.162	.21469	.72044	1.1164
#1	9.6224	.93588	.51088	.00314	.52248	1.0613	-.01647	.49111	.47370	.49100
#2	9.7222	.93013	.51226	.00055	.52108	1.0606	-.01272	.48962	.46890	.49881
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8131.0**	**101980.**	**8699.4**
Stddev	13.9	192.	26.3
%RSD	.17071	.18861	.30232
#1	8140.8	101840.	8680.8
#2	8121.2	102110.	8718.0

Sample Name: CCB Acquired: 11/8/2013 8:05:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00223**	**.00224**	**.00107**	W **.00074**	**.00018**	**.00142**	**-.00509**	**-.00003**	**.00032**	**.00000**	**-.00119**
Stddev	.00008	.00041	.00074	.00001	.00022	.00009	.00022	.00379	.00011	.00008	.0001	.00062
%RSD	177.93	18.575	32.936	.58617	29.284	47.172	15.383	74.547	347.97	24.055	1705.5	52.555
#1	-.00010	.00252	.00276	.00106	.00059	.00024	.00127	-.00241	.00005	.00026	-.00005	-.00163
#2	.00001	.00193	.00172	.00107	.00090	.00012	.00158	-.00777	-.00011	.00037	.00004	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058							
Low Limit					-.00058							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**.11606**	**.00225**	**.00420**	**.00015**	**.00024**	F **.19743**	**.00023**	**.00056**	**-.00069**	**.03358**	W **.00537**
Stddev	.00007	.01242	.00248	.00181	.00001	.00020	.00749	.00001	.00003	.00084	.00082	.00072
%RSD	5.1959	10.702	109.81	43.143	4.3971	83.638	3.7928	3.9309	6.2030	121.21	2.4381	13.391
#1	.00140	.10728	.00050	.00548	.00015	.00010	.19213	.00024	.00058	-.00010	.03300	.00486
#2	.00130	.12485	.00401	.00292	.00014	.00039	.20272	.00022	.00053	-.00129	.03416	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00325**	**-.01141**	**-.02441**	**.00265**	**.00026**	**.00461**	**-.00025**	**-.00015**	**-.04955**	**-.00017**	**.00274**	**.00066**
Stddev	.00156	.01034	.02212	.00070	.00016	.00046	.00003	.00064	.03967	.00029	.00012	.00134
%RSD	47.991	90.643	90.643	26.307	59.006	9.9412	13.576	421.55	80.065	168.23	4.4563	204.59
#1	.00436	-.01872	-.04005	.00315	.00037	.00428	-.00023	.00030	-.02150	.00003	.00283	-.00029
#2	.00215	-.00410	-.00876	.00216	.00015	.00493	-.00027	-.00061	-.07760	-.00038	.00266	.00161
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8168.9**	**102700.**	**8592.7**
Stddev	95.8	13.	36.3
%RSD	1.1726	.01273	.42292
#1	8101.2	102710.	8567.0
#2	8236.7	102690.	8618.4

Sample Name: CCVL-2363703 Acquired: 11/8/2013 8:07:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01077**	**.11314**	**.01424**	**.09576**	**.01100**	**.00094**	**.11105**	**.18761**	**.00505**	**.01092**	**.00991**	**.01443**	**.09378**
Stddev	.00089	.00049	.00073	.00005	.00033	.00005	.00190	.00098	.00026	.00007	.00021	.00055	.00162
%RSD	8.2515	.43668	5.0967	.04844	2.9820	4.9323	1.7133	.52423	5.2461	.65629	2.1208	3.7808	1.7227
#1	.01140	.11279	.01475	.09579	.01123	.00091	.11239	.18830	.00486	.01087	.00976	.01481	.09263
#2	.01014	.11349	.01372	.09572	.01076	.00097	.10970	.18691	.00524	.01097	.01006	.01404	.09492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1429**	F **.01454**	**.20049**	**.01064**	**.01840**	**1.2115**	**.04071**	**2.7173**	**.00989**	**.03096**	**.01243**	**.01570**	**.44385**
Stddev	.0424	.00011	.00022	.00005	.00023	.0329	.00048	.0041	.00014	.00003	.00027	.00177	.00090
%RSD	1.3481	.74586	.10853	.43269	1.2544	2.7160	1.1813	.15043	1.3696	.09076	2.1639	11.287	.20178
#1	3.1130	.01461	.20033	.01061	.01857	1.2348	.04037	2.7144	.00998	.03094	.01224	.01445	.44448
#2	3.1729	.01446	.20064	.01068	.01824	1.1883	.04105	2.7202	.00979	.03098	.01262	.01695	.44322
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94984**	**.09774**	**.01046**	F **.01978**	**.01037**	**.01639**	**.04777**	**.00942**	**.02125**	**.01534**
Stddev	.00192	.00022	.00010	.00171	.00032	.00165	.01089	.00009	.00039	.00123
%RSD	.20178	.22819	.91021	8.6486	3.0476	10.063	22.804	.97404	1.8378	8.0206
#1	.95120	.09789	.01039	.02099	.01059	.01522	.04006	.00949	.02153	.01621
#2	.94849	.09758	.01053	.01857	.01015	.01756	.05547	.00936	.02097	.01447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01500						
Range				30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8300.8**	**105760.**	**8872.3**
Stddev	2.0	147.	41.2
%RSD	.02380	.13900	.46405
#1	8299.4	105860.	8843.1
#2	8302.2	105650.	8901.4

Sample Name: 280-48607-f-10-a@10 Acquired: 11/8/2013 8:10:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.36871**	**.00105**	**.16573**	**.00815**	**-.00005**	**.00142**	**6.8249**	**-.00018**	**.00012**
Stddev	.00037	.00060	.00113	.00040	.00002	.00004	.00034	.0004	.00006	.00018
%RSD	65.308	.16253	107.65	.23928	.24755	64.806	23.843	.00601	32.610	155.64
#1	-.00083	.36829	.00185	.16545	.00813	-.00008	.00118	6.8246	-.00022	-.00001
#2	-.00030	.36913	.00025	.16601	.00816	-.00003	.00166	6.8252	-.00014	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00030**	**.20818**	**.17275**	**.02166**	**1.6649**	**.00705**	**.00018**	**120.50**	**.00058**
Stddev	.00000	.00021	.00086	.01007	.00135	.0024	.00007	.00006	.17	.00021
%RSD	.43084	69.001	.41387	5.8304	6.2304	.14113	.95519	35.298	.14504	36.605
#1	.00034	-.00016	.20757	.17987	.02261	1.6632	.00700	.00022	120.38	.00073
#2	.00034	-.00045	.20879	.16562	.02071	1.6665	.00710	.00013	120.62	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00885**	**.00043**	**50.386**	**.00391**	**.01027**	**1.2701**	**2.7180**	**.00391**	**.25145**	**.00389**
Stddev	.00111	.00001	.061	.00082	.00086	.0004	.0010	.00081	.00023	.00037
%RSD	12.576	2.4881	.12049	20.880	8.3681	.03507	.03507	20.613	.08978	9.4043
#1	.00963	.00044	50.428	.00449	.00967	1.2704	2.7186	.00448	.25129	.00415
#2	.00806	.00042	50.343	.00333	.01088	1.2698	2.7173	.00334	.25161	.00363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00329**	**.00014**	W **-.05373**	**.00094**	**.00599**	**-.00088**
Stddev	.00014	.00135	.04607	.00020	.00045	.00109
%RSD	4.3752	964.47	85.740	21.202	7.5624	122.83
#1	.00339	.00109	-.08630	.00108	.00631	-.00165
#2	.00319	-.00081	-.02115	.00080	.00567	-.00012
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8064.0**	**101050.**	**8795.4**
Stddev	7.8	8.	3.7
%RSD	.09691	.00743	.04165
#1	8069.5	101050.	8798.0
#2	8058.5	101040.	8792.8

Sample Name: 48607-f-10-aPDS@10 Acquired: 11/8/2013 8:12:34 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04995**	**1.3580**	**.19149**	**.25571**	**.11258**	**.04609**	**-.00153**	**24.979**	**.05024**	**.04987**
Stddev	.00006	.0031	.00342	.00138	.00039	.00002	.00037	.038	.00015	.00005
%RSD	.12627	.22583	1.7872	.53833	.35040	.04629	23.978	.15153	.28991	.09784
#1	.04991	1.3558	.18907	.25474	.11230	.04611	-.00179	24.952	.05014	.04983
#2	.04999	1.3602	.19391	.25669	.11286	.04608	-.00127	25.006	.05034	.04990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04664**	**.05051**	**1.1003**	**20.052**	**.12081**	**19.930**	**.05755**	**.04517**	**136.99**	**.04733**
Stddev	.00015	.00027	.0055	.081	.00081	.059	.00017	.00002	.46	.00060
%RSD	.32761	.54002	.49708	.40582	.66810	.29601	.29281	.04117	.33237	1.2757
#1	.04653	.05032	1.0964	19.995	.12138	19.972	.05743	.04515	136.67	.04691
#2	.04675	.05070	1.1041	20.110	.12024	19.888	.05767	.04518	137.31	.04776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8890**	**.09562**	**49.225**	**.10723**	**.19841**	**5.6776**	**12.150**	**.09532**	**.29653**	**.20786**
Stddev	.0040	.00085	.072	.00146	.00468	.0432	.092	.00065	.00125	.00233
%RSD	.21368	.88932	.14542	1.3627	2.3588	.76081	.76081	.68480	.42040	1.1223
#1	1.8861	.09502	49.174	.10827	.20172	5.6470	12.085	.09485	.29565	.20951
#2	1.8918	.09622	49.275	.10620	.19510	5.7081	12.215	.09578	.29741	.20621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05578**	**.19577**	**.50480**	**.04941**	**.19178**	**.04982**
Stddev	.00026	.00003	.01622	.00027	.00113	.00149
%RSD	.45741	.01349	3.2136	.54758	.58669	2.9856
#1	.05560	.19575	.49333	.04960	.19099	.04877
#2	.05596	.19579	.51628	.04922	.19258	.05087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7982.4**	**99288.**	**8706.4**
Stddev	9.9	237.	8.2
%RSD	.12408	.23903	.09418
#1	7975.4	99456.	8712.2
#2	7989.4	99120.	8700.6

Sample Name: 48607-f-10-aSD@50 Acquired: 11/8/2013 8:14:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198889 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.08541**	**.00126**	**.03417**	**.00230**	**-.00015**	**.00167**	**1.3925**	**-.00020**	**-.00008**
Stddev	.00027	.00041	.00068	.00006	.00009	.00003	.00150	.0008	.00011	.00012
%RSD	46.386	.48550	54.208	.18122	4.0944	17.195	90.277	.05971	54.756	150.50
#1	-.00039	.08512	.00174	.03421	.00223	-.00013	.00273	1.3919	-.00012	.00001
#2	-.00078	.08570	.00077	.03412	.00237	-.00017	.00060	1.3931	-.00027	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00118**	**.05453**	**.14689**	**.00574**	**.34826**	**.00159**	**.00010**	**25.007**	**.00070**
Stddev	.00001	.00003	.00053	.03422	.00111	.00242	.00001	.00001	.039	.00040
%RSD	16.155	2.6243	.97705	23.298	19.283	.69565	.37710	6.2355	.15690	57.673
#1	.00007	-.00120	.05415	.17109	.00496	.34655	.00160	.00011	25.034	.00099
#2	.00009	-.00116	.05491	.12269	.00652	.34998	.00159	.00010	24.979	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00096**	**10.040**	**.00210**	**.00296**	**.26073**	**.55796**	**.00454**	**.05134**	**.00554**
Stddev	.00055	.00035	.010	.00154	.00383	.00234	.00500	.00060	.00032	.00081
%RSD	48.572	36.538	.10184	73.180	129.46	.89654	.89654	13.310	.61545	14.527
#1	.00074	.00071	10.033	.00319	.00567	.25908	.55442	.00497	.05111	.00611
#2	.00151	.00120	10.047	.00101	.00025	.26238	.56150	.00412	.05156	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00016**	**-.04780**	**.00026**	**.00492**	**.00186**
Stddev	.00020	.00025	.03877	.00061	.00023	.00169
%RSD	26.425	154.28	81.110	230.74	4.6660	90.819
#1	.00090	.00001	-.07521	.00069	.00509	.00306
#2	.00062	-.00034	-.02038	-.00017	.00476	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8167.0**	**102540.**	**8714.7**
Stddev	6.6	595.	54.0
%RSD	.08072	.57978	.61923
#1	8171.7	102960.	8676.5
#2	8162.3	102120.	8752.9

Sample Name: CCVH-2357613 Acquired: 11/8/2013 8:17:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00458**	**46.691**	k **-.00284**	k **.00477**	k **.00062**	k **-.00005**	kF **.85755**	k **-.02852**	k **-.00148**	k **.00095**	k **-.00094**
Stddev	.00006	.183	.00058	.00032	.00005	.00001	.00237	.00118	.00028	.00033	.00025
%RSD	1.3838	.39198	20.450	6.7826	7.7655	15.236	.27590	4.1299	18.858	34.216	26.472
#1	k .00462	46.562	k -.00325	k .00500	k .00058	k -.00005	k .85923	k -.02935	k -.00168	k .00072	k -.00112
#2	k .00453	46.821	k -.00243	k .00454	k .00065	k -.00006	k .85588	k -.02769	k -.00128	k .00118	k -.00077
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.490%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01389**	F **43.598**	**.06094**	k **.00121**	k **-.28856**	k **-.00136**	k **-.00152**	**248.03**	k **.00120**	k **.00158**	k **.00785**
Stddev	.00055	.167	.03996	.00259	.00518	.00003	.00018	.14	.00037	.00082	.00063
%RSD	3.9855	.38279	65.582	214.05	1.7944	2.4313	11.659	.05564	31.148	51.640	8.0001
#1	k .01429	43.480	.03268	k -.00062	k -.29223	k -.00133	k -.00139	247.93	k .00146	k .00216	k .00829
#2	k .01350	43.716	.08920	k .00305	k -.28490	k -.00138	k -.00164	248.13	k .00093	k .00100	k .00740
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.490%									

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **4.9217**	k **.00292**	k **.00108**	k **-.01028**	k **-.02200**	k **.00266**	**.00045**	kW **5.3037**	k **.01332**	k **-.00212**	kW **10.850**
Stddev	.0103	.00366	.00108	.00399	.00854	.00049	.00013	.0096	.00005	.00048	.081
%RSD	.20831	125.19	99.982	38.837	38.837	18.337	29.646	.18176	.39916	22.542	.74546
#1	k 4.9289	k .00034	k .00032	k -.00746	k -.01596	k .00301	.00035	k 5.2969	k .01329	k -.00245	k 10.907
#2	k 4.9144	k .00551	k .00185	k -.01310	k -.02804	k .00232	.00054	k 5.3105	k .01336	k -.00178	k 10.793
Check ?	Chk Pass	None	None	None	None	None	None	Chk Warn	None	None	Chk Warn
Value								5.0000			10.000
Range								5.0000%			5.0000%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00115**	k **.00147**	k **.20271**
Stddev	.00014	.00014	.00260
%RSD	12.409	9.4631	1.2809
#1	k .00105	k .00157	k .20454
#2	k .00125	k .00137	k .20087
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7956.9**	**98671.**	**8624.9**
Stddev	5.7	194.	77.8
%RSD	.07213	.19659	.90157
#1	7960.9	98534.	8679.9
#2	7952.8	98809.	8569.9

Sample Name: CCV-2357614 Acquired: 11/8/2013 8:19:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50543**	**.54774**	**.95928**	**.49537**	**.53713**	**.47506**	**.00290**	**4.7781**	**.51130**	**.51789**	**.47986**	**.51618**	**2.3064**
Stddev	.00047	.00043	.00039	.00234	.00100	.00083	.00202	.0047	.00096	.00088	.00034	.00032	.0000
%RSD	.09303	.07935	.04092	.47251	.18642	.17489	69.689	.09814	.18824	.16958	.07171	.06263	.00083
#1	.50576	.54743	.95900	.49372	.53784	.47565	.00147	4.7814	.51062	.51726	.47962	.51640	2.3064
#2	.50509	.54805	.95955	.49703	.53642	.47447	.00433	4.7748	.51198	.51851	.48011	.51595	2.3065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.821**	**1.0229**	**19.268**	**.51976**	**.45971**	**5.4887**	**.49136**	**.93018**	**1.0150**	**.03387**	**1.0534**	**.97182**	**4.5211**
Stddev	.173	.0018	.004	.00054	.00236	.0169	.00046	.00173	.0048	.00073	.0060	.00573	.0142
%RSD	.33945	.17298	.02234	.10390	.51431	.30781	.09421	.18567	.47616	2.1475	.57194	.59003	.31378
#1	50.943	1.0241	19.265	.51938	.45804	5.5006	.49104	.92896	1.0116	.03439	1.0492	.96777	4.5311
#2	50.699	1.0216	19.271	.52014	.46138	5.4767	.49169	.93140	1.0184	.03336	1.0577	.97588	4.5110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6751**	**.93424**	**.51661**	**.00335**	**.52827**	**1.0648**	**-.04332**	**.49491**	**.47652**	**.49541**
Stddev	.0304	.00417	.00134	.00099	.00091	.0047	.04881	.00065	.00131	.00425
%RSD	.31378	.44667	.25981	29.499	.17135	.44509	112.67	.13071	.27431	.85797
#1	9.6965	.93129	.51756	.00265	.52763	1.0614	-.00881	.49445	.47744	.49240
#2	9.6536	.93719	.51566	.00405	.52891	1.0681	-.07784	.49537	.47559	.49841
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8025.9**	**100510.**	**8492.3**
Stddev	5.9	368.	18.6
%RSD	.07315	.36575	.21902
#1	8021.8	100770.	8505.5
#2	8030.1	100250.	8479.2

Sample Name: CCB Acquired: 11/8/2013 8:21:43 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00410**	**.00219**	**.00150**	**.00029**	**.00008**	**.00203**	**-.00322**	**-.00004**	**.00011**	**.00018**
Stddev	.00008	.00240	.00042	.00026	.00003	.00002	.00229	.00003	.00021	.00023	.00002
%RSD	33.586	58.587	19.335	17.226	9.1497	26.201	112.48	.84190	604.54	216.94	8.8141
#1	-.00028	.00580	.00249	.00168	.00027	.00010	.00042	-.00320	.00012	.00027	.00019
#2	-.00017	.00240	.00189	.00131	.00031	.00007	.00365	-.00324	-.00019	-.00006	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00189**	**.00160**	**.13312**	**.00092**	**.00751**	**.00009**	**.00009**	F **.21847**	**.00010**	**.00048**	**.00057**
Stddev	.00023	.00021	.03002	.00245	.00120	.00009	.00020	.01846	.00027	.00107	.00078
%RSD	12.257	13.012	22.550	267.67	15.926	105.64	213.00	8.4484	265.44	219.90	135.03
#1	-.00173	.00175	.11190	-.00082	.00836	.00016	-.00005	.23152	-.00009	.00124	.00112
#2	-.00205	.00146	.15435	.00265	.00667	.00002	.00023	.20542	.00029	-.00027	.00003
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03761**	W **.00546**	**.00108**	**-.01097**	**-.02347**	**.00249**	**.00009**	**.00624**	**.00000**	**.00031**	**-.04010**
Stddev	.00040	.00024	.00035	.00349	.00747	.00008	.00011	.00134	.0001	.00122	.00338
%RSD	1.0676	4.3799	32.714	31.830	31.830	3.3680	129.56	21.419	1878.4	388.47	8.4353
#1	.03732	.00563	.00083	-.00850	-.01819	.00255	.00017	.00718	-.00006	-.00055	-.04249
#2	.03789	.00529	.00133	-.01344	-.02876	.00243	.00001	.00529	.00005	.00118	-.03771
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00012**	**.00275**	**-.00040**
Stddev	.00005	.00024	.00314
%RSD	41.343	8.8754	782.91
#1	-.00008	.00257	.00182
#2	-.00015	.00292	-.00262
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8011.7**	**101740.**	**8413.1**
Stddev	11.6	287.	12.0
%RSD	.14480	.28256	.14274
#1	8019.9	101950.	8421.6
#2	8003.5	101540.	8404.6

Sample Name: CCVL-2363703 Acquired: 11/8/2013 8:24:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01008**	**.11603**	**.01524**	**.09653**	**.01128**	**.00093**	**.10948**	**.19449**	**.00516**	**.01087**	**.00990**	**.01481**	**.09391**
Stddev	.00027	.00176	.00077	.00092	.00008	.00008	.00166	.00129	.00011	.00013	.00019	.00025	.00113
%RSD	2.7172	1.5180	5.0798	.95490	.67265	8.2092	1.5152	.66542	2.0749	1.2358	1.9624	1.6788	1.2055
#1	.00989	.11728	.01469	.09719	.01133	.00098	.10830	.19357	.00524	.01096	.01004	.01463	.09311
#2	.01028	.11479	.01578	.09588	.01123	.00087	.11065	.19540	.00508	.01077	.00977	.01498	.09471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1829**	**.01155**	**.20439**	**.01066**	**.01798**	**1.2480**	**.04099**	**2.7054**	**.00970**	**.03197**	**.01275**	**.01364**	**.42943**
Stddev	.0221	.00058	.00090	.00010	.00023	.0240	.00036	.0052	.00028	.00440	.00094	.00146	.00333
%RSD	.69272	5.0292	.44257	.93490	1.2818	1.9266	.88139	.19077	2.9253	13.752	7.3965	10.702	.77449
#1	3.1985	.01196	.20375	.01059	.01815	1.2310	.04074	2.7017	.00990	.03508	.01341	.01467	.42708
#2	3.1673	.01114	.20503	.01073	.01782	1.2650	.04125	2.7090	.00950	.02886	.01208	.01261	.43179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91899**	**.09880**	**.01060**	F **.02058**	**.01042**	**.01634**	F **.02101**	**.01025**	**.02194**	**.01422**
Stddev	.00712	.00012	.00000	.00158	.00038	.00019	.03789	.00031	.00007	.00200
%RSD	.77449	.11804	.01576	7.6917	3.6214	1.1818	180.39	2.9793	.31094	14.094
#1	.91396	.09872	.01060	.01946	.01015	.01648	.04780	.01004	.02199	.01280
#2	.92402	.09888	.01060	.02169	.01069	.01621	-.00579	.01047	.02189	.01563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01500			.06000			
Range				30.000%			-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8106.9**	**103220.**	**8528.7**
Stddev	15.7	311.	34.8
%RSD	.19339	.30105	.40774
#1	8118.0	103000.	8504.2
#2	8095.8	103440.	8553.3

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ICP Data Review Checklist

TALS BATCH NUMBER: 140704- 140716, 140718		Earliest due date: 11/14/13
Run Date: 11/7/13	Analyst: JKH	Instrument: 35
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL ((CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/8/13

Comments:

2nd Level Reviewer: [signature] Date: 11/15/13

Comments:

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ICP Data Review Checklist

TALS BATCH NUMBER: 200251 - 200255, 200257, 200259		Earliest due date: 11/11/13
Run Date: 11/8/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/11/13

Comments: _____

2nd Level Reviewer: [signature] Date: 11/11/13

Comments: _____

Sample Name: ICIS Acquired: 11/8/2013 14:25:12 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00183**	**.00031**	**-.01477**	**-.00011**	**.00036**	**.00831**	**-.00123**	**-.00100**	**.00513**	**-.00036**	**-.00012**	**-.00031**	**.00299**
Stddev	.00001	.00003	.00064	.00006	.00003	.00191	.00023	.00017	.00021	.00004	.00003	.00016	.00018
%RSD	.59759	11.262	4.3637	50.686	7.1211	23.019	18.542	16.967	4.0600	11.848	28.445	49.908	6.0803
#1	-.00184	.00033	-.01432	-.00015	.00035	.00966	-.00139	-.00088	.00528	-.00039	-.00009	-.00020	.00312
#2	-.00182	.00028	-.01523	-.00007	.00038	.00696	-.00106	-.00112	.00499	-.00033	-.00014	-.00042	.00286

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00021**	**-.00105**	**.00037**	**-.00935**	**-.00001**	**.00002**	**.00006**	**.00757**	**-.00980**	**-.00052**	**-.00010**	**.00005**	**-.00048**
Stddev	.00004	.00050	.00020	.00005	.00004	.00006	.00003	.00046	.00113	.00004	.00002	.00008	.00005
%RSD	20.123	47.726	54.412	.55731	426.82	367.43	44.722	6.1237	11.573	7.1498	18.162	168.67	11.356
#1	.00018	-.00140	.00051	-.00939	-.00004	-.00003	.00008	.00790	-.01060	-.00050	-.00011	.00011	-.00044
#2	.00024	-.00069	.00023	-.00931	.00002	.00006	.00004	.00724	-.00900	-.00055	-.00009	-.00001	-.00051

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00051**	**.00011**	**.00025**	**.00025**	**.00015**	**-.00235**	**-.00060**	**-.00038**	**-.00029**	**-.00048**	**.00040**	**.00000**	**-.00276**
Stddev	.00003	.00006	.00022	.00022	.00001	.00001	.00005	.00004	.00014	.00006	.00001	.00000	.00006
%RSD	5.6758	56.199	87.309	87.309	5.5870	.25868	8.0884	10.061	49.532	12.321	1.5165	5071.8	2.2601
#1	.00049	.00015	.00010	.00010	.00016	-.00236	-.00057	-.00036	-.00039	-.00044	.00041	.00000	-.00272
#2	.00053	.00007	.00041	.00041	.00015	-.00235	-.00063	-.00041	-.00019	-.00053	.00040	.00000	-.00280

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8009.9**	**101350.**	**8336.8**
Stddev	11.5	331.	2.5
%RSD	.14335	.32622	.03047
#1	8018.0	101590.	8338.6
#2	8001.8	101120.	8335.0

Sample Name: ICAL1 Acquired: 11/8/2013 14:27:32 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18410**	**.23977**	**.08524**	**.24345**	**4.3582**	**6.3991**	**1.9035**	**1.3732**	**.83655**	**.85539**	**.28831**	**.62658**	**4.0272**	**1.5786**
Stddev	.00117	.00015	.00008	.00051	.0078	.0125	.0010	.0009	.00066	.00042	.00076	.00105	.0024	.0013
%RSD	.63802	.06340	.09454	.21015	.17846	.19557	.05383	.06390	.07949	.04922	.26319	.16711	.05925	.08253
#1	.18327	.23988	.08519	.24309	4.3527	6.4080	1.9042	1.3726	.83608	.85510	.28777	.62584	4.0255	1.5795
#2	.18493	.23966	.08530	.24381	4.3637	6.3903	1.9028	1.3738	.83702	.85569	.28885	.62732	4.0289	1.5777

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.83581**	**1.1577**	**.41516**	**1.3342**	**.60597**	**.09802**	**.45124**	**.16477**	**.08476**	**.30095**	**.30095**	**.20210**	**8.3537**	**.27893**
Stddev	.00355	.0062	.00058	.0034	.00014	.00037	.00045	.00004	.00019	.00082	.00082	.00011	.0135	.00162
%RSD	.42523	.53919	.13886	.25163	.02246	.38221	.10006	.02187	.23000	.27321	.27321	.05532	.16140	.58008
#1	.83329	1.1533	.41475	1.3319	.60588	.09776	.45092	.16475	.08463	.30154	.30154	.20218	8.3442	.27779
#2	.83832	1.1621	.41557	1.3366	.60607	.09829	.45156	.16480	.08490	.30037	.30037	.20202	8.3633	.28008

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17326**	**.18759**	**.02590**	**.31010**
Stddev	.00039	.00120	.00018	.00054
%RSD	.22429	.63977	.69885	.17393
#1	.17299	.18674	.02578	.30972
#2	.17353	.18844	.02603	.31048

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7941.8**	**99601.**	**8328.0**
Stddev	25.0	23.	3.6
%RSD	.31505	.02359	.04284
#1	7959.5	99584.	8325.5
#2	7924.1	99617.	8330.5

Sample Name: ICAL2 Acquired: 11/8/2013 14:29:42 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.4687**	**.16256**	**.55650**	**2.3934**	**.28432**	**.44386**	**.09065**
Stddev	.0049	.00041	.00022	.0021	.00071	.00205	.00019
%RSD	.14203	.25210	.03889	.08960	.24853	.46245	.20962
#1	3.4652	.16227	.55635	2.3949	.28382	.44240	.09051
#2	3.4722	.16285	.55666	2.3918	.28482	.44531	.09078

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7656.2**	**95105.**	**8349.3**
Stddev	.4	635.	47.5
%RSD	.00527	.66813	.56852
#1	7656.5	95554.	8382.8
#2	7655.9	94655.	8315.7

Sample Name: S1-2357605 Acquired: 11/8/2013 14:36:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99160**	**1.0080**	**1.9751**	**.99108**	**1.0021**	**1.0029**	**.00312**	**10.028**	**.99201**	**.99302**	**.98840**	**.99660**	**4.9477**
Stddev	.00131	.0027	.0014	.00365	.0007	.0013	.00082	.004	.00124	.00275	.00015	.00123	.0071
%RSD	.13194	.26455	.07358	.36807	.07347	.13189	26.429	.03674	.12535	.27740	.01512	.12347	.14437
#1	.99068	1.0061	1.9740	.98850	1.0026	1.0019	.00253	10.026	.99113	.99108	.98851	.99573	4.9427
#2	.99253	1.0099	1.9761	.99366	1.0016	1.0038	.00370	10.031	.99289	.99497	.98830	.99747	4.9528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.32**	**1.9922**	**39.847**	**.99965**	**.98746**	**10.155**	**10.420**	**.99155**	**1.9660**	**1.9884**	**-.00218**	**1.9877**	**1.9711**
Stddev	.23	.0070	.077	.00074	.00118	.007	.078	.00013	.0007	.0069	.00069	.0106	.0035
%RSD	.22520	.34949	.19206	.07428	.11964	.07076	.74553	.01286	.03430	.34884	31.690	.53274	.17589
#1	100.16	1.9971	39.901	.99912	.98662	10.150	10.475	.99164	1.9655	1.9835	-.00169	1.9802	1.9687
#2	100.48	1.9873	39.793	1.0002	.98829	10.161	10.365	.99146	1.9665	1.9933	-.00267	1.9951	1.9736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8920**	**21.169**	**1.9701**	**1.0008**	**-.00665**	**1.0045**	**1.9835**	**-.01760**	**.99855**	**1.0045**	**.99775**
Stddev	.0156	.033	.0011	.0011	.00248	.0004	.0032	.03378	.00285	.0042	.00191
%RSD	.15718	.15718	.05431	.10990	37.256	.04387	.16059	191.93	.28512	.41895	.19125
#1	9.8810	21.145	1.9694	1.0016	-.00840	1.0042	1.9813	.00629	1.0006	1.0074	.99640
#2	9.9030	21.192	1.9709	1.0001	-.00489	1.0048	1.9858	-.04149	.99654	1.0015	.99910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7964.5**	**98595.**	**8388.2**
Stddev	4.9	99.	68.5
%RSD	.06211	.10005	.81720
#1	7961.0	98526.	8436.7
#2	7968.0	98665.	8339.7

Sample Name: S2-2357612 Acquired: 11/8/2013 14:40:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00724	99.542	.00444	.00960	.00072	.00024	1.9396	.02048	-.00007	-.00118	-.00013	.01457	98.271
Stddev	.00010	.269	.00198	.00032	.00038	.00005	.0018	.00405	.00003	.00003	.00007	.00022	.101
%RSD	1.3968	.27070	44.612	3.2934	52.692	22.544	.09071	19.768	40.553	2.7537	50.764	1.5227	.10282
#1	.00717	99.352	.00304	.00982	.00098	.00028	1.9408	.01762	-.00005	-.00120	-.00018	.01442	98.343
#2	.00731	99.733	.00583	.00938	.00045	.00020	1.9383	.02335	-.00009	-.00115	-.00008	.01473	98.200
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11433	.00230	.17195	.00113	-.00040	498.42	.00002	.00202	.00309	9.8811	.00550	.00311	.05261
Stddev	.00468	.00093	.00149	.00003	.00002	1.94	.00019	.00001	.00001	.0108	.00165	.00164	.01525
%RSD	4.0922	40.295	.86691	2.9017	5.9763	.38898	1185.1	.60634	.24557	.10932	30.059	52.634	28.991
#1	.11764	.00165	.17090	.00110	-.00038	497.05	.00015	.00203	.00310	9.8887	.00433	.00427	.06339
#2	.11103	.00296	.17301	.00115	-.00041	499.79	-.00012	.00201	.00309	9.8735	.00667	.00195	.04182
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11258	.00164	.00093	9.8813	-.01105	.00246	19.993	.00176	.00077	.02058
Stddev	.03264	.00175	.00006	.0588	.00051	.00007	.055	.00019	.00046	.00107
%RSD	28.991	106.47	6.9817	.59515	4.6023	2.9767	.27480	10.605	59.669	5.1900
#1	.13566	.00288	.00088	9.8397	-.01069	.00241	19.954	.00189	.00110	.01982
#2	.08950	.00041	.00098	9.9229	-.01140	.00251	20.032	.00163	.00045	.02133
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7714.0	94899.	8409.3
Stddev	29.8	316.	30.8
%RSD	.38601	.33303	.36645
#1	7735.0	95123.	8431.1
#2	7692.9	94676.	8387.6

Sample Name: ICVH-2348911 Acquired: 11/8/2013 14:44:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**40.940**	**.00090**	**.00101**	**.00260**	**.00013**	W **.53327**	**.00876**	**-.00013**	**.00044**	**-.00023**	**.00431**
Stddev	.00034	.108	.00177	.00022	.00006	.00013	.00109	.00308	.00011	.00017	.00022	.00035
%RSD	20.531	.26350	195.37	22.146	2.3294	99.420	.20460	35.206	83.694	38.764	94.149	8.1776
#1	.00189	41.016	.00215	.00117	.00264	.00022	.53404	.01094	-.00005	.00057	-.00038	.00406
#2	.00141	40.864	-.00035	.00085	.00255	.00004	.53250	.00658	-.00021	.00032	-.00008	.00455
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.043**	**-.01861**	**-.00109**	**.04561**	**.00022**	**-.00034**	**42.049**	**.00105**	**.00059**	**.00086**	**3.9100**	**.00168**
Stddev	.299	.00007	.00037	.00027	.00006	.00015	.269	.00020	.00060	.00114	.0099	.00124
%RSD	.36947	.38924	33.745	.58884	28.526	45.790	.63867	19.261	101.05	133.11	.25378	73.827
#1	81.254	-.01856	-.00135	.04542	.00026	-.00045	42.239	.00119	.00101	.00166	3.9170	.00256
#2	80.831	-.01866	-.00083	.04580	.00017	-.00023	41.859	.00090	.00017	.00005	3.9030	.00081
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.00034**	**.00072**	**.00056**	**.00012**	**2.9964**	**-.00339**	**.00083**	**5.2629**	**.00013**	**.00246**	**.00910**
Stddev	.00092	.01923	.04116	.00025	.00007	.0054	.00031	.00034	.0022	.00006	.00034	.00252
%RSD	66.235	5677.5	5677.5	44.693	54.413	.18121	9.0109	41.186	.04239	48.583	13.917	27.642
#1	-.00205	-.01326	-.02838	.00038	.00007	2.9925	-.00317	.00107	5.2645	.00008	.00222	.01088
#2	-.00074	.01394	.02983	.00074	.00017	3.0002	-.00360	.00059	5.2613	.00017	.00270	.00732
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.2**	**100800.**	**8557.3**
Stddev	18.1	341.	27.3
%RSD	.22336	.33860	.31881
#1	8104.3	100560.	8538.0
#2	8130.0	101040.	8576.6

Sample Name: X Acquired: 11/8/2013 14:47:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25145**	W **.27070**	**.24824**	**.25115**	**.25073**	**.24345**	**.00505**	**2.0185**	**.25236**	**.25295**	**.25210**	**.25359**
Stddev	.00174	.00128	.00072	.00024	.00111	.00015	.00001	.0053	.00175	.00047	.00013	.00028
%RSD	.69315	.47363	.29154	.09613	.44356	.05990	.22032	.26117	.69310	.18723	.05062	.11041
#1	.25268	.27161	.24773	.25132	.24995	.24334	.00505	2.0148	.25360	.25261	.25201	.25379
#2	.25022	.26980	.24875	.25097	.25152	.24355	.00504	2.0222	.25113	.25328	.25219	.25339
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.36407**	**20.118**	**.25066**	**9.9985**	**.25258**	**.24923**	F **2.3822**	**.25420**	**1.9353**	**.25541**	**.00501**	**.24870**
Stddev	.14302	.044	.00246	.0329	.00018	.00008	.4603	.00038	.0010	.00093	.00156	.00299
%RSD	39.284	.21668	.98196	.32867	.07072	.03095	19.322	.15098	.04919	.36277	31.022	1.2030
#1	.46521	20.087	.24892	10.022	.25245	.24917	2.7076	.25447	1.9360	.25475	.00391	.25081
#2	.26294	20.149	.25240	9.9752	.25271	.24928	2.0567	.25393	1.9347	.25606	.00611	.24658
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.25000						2.0000					
Range	10.490%						10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49350**	**2.0014**	**4.2830**	**.50643**	**.24920**	**.00019**	**.24930**	**.52200**	**.00701**	**.24816**	**.25180**	**.24710**
Stddev	.00044	.0160	.0343	.00150	.00061	.00014	.00043	.00051	.00491	.00020	.00213	.00249
%RSD	.09013	.80117	.80117	.29559	.24304	73.449	.17182	.09809	70.109	.08141	.84512	1.0093
#1	.49381	1.9901	4.2588	.50748	.24877	.00029	.24900	.52236	.00353	.24802	.25331	.24534
#2	.49318	2.0128	4.3073	.50537	.24962	.00009	.24960	.52164	.01048	.24830	.25030	.24887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8065.3**	**101550.**	**8413.5**
Stddev	.1	141.	25.8
%RSD	.00163	.13845	.30660
#1	8065.2	101650.	8431.7
#2	8065.4	101450.	8395.2

Sample Name: ICV-2364198 Acquired: 11/8/2013 14:57:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25059**	W **.26894**	**.24780**	**.25207**	**.25284**	**.24470**	**.00239**	**2.0560**	**.25323**	**.25262**	**.25359**	**.25340**
Stddev	.00038	.00012	.00162	.00022	.00016	.00030	.00256	.0158	.00013	.00018	.00041	.00026
%RSD	.15074	.04411	.65263	.08611	.06255	.12209	107.33	.76596	.05076	.07222	.16112	.10392
#1	.25032	.26903	.24894	.25191	.25273	.24491	.00420	2.0672	.25332	.25275	.25387	.25321
#2	.25086	.26886	.24665	.25222	.25296	.24449	.00058	2.0449	.25314	.25250	.25330	.25358
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25746**	**20.306**	**.25482**	**9.9922**	**.25245**	**.24940**	**2.0293**	**.25605**	**1.9392**	**.25725**	**.00752**	**.25461**
Stddev	.00085	.008	.00258	.0076	.00045	.00002	.0173	.00013	.0006	.00046	.00244	.00006
%RSD	.33173	.04044	1.0131	.07581	.17661	.00733	.85071	.05054	.03165	.17953	32.452	.02491
#1	.25686	20.312	.25299	9.9869	.25214	.24941	2.0171	.25614	1.9388	.25757	.00579	.25466
#2	.25807	20.300	.25664	9.9976	.25277	.24939	2.0415	.25596	1.9397	.25692	.00924	.25457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49496**	**2.0055**	**4.2917**	**.50753**	**.25095**	**-.00114**	**.24873**	**.52291**	**-.01789**	**.24830**	**.25400**	**.24719**
Stddev	.00040	.0132	.0282	.00049	.00023	.00037	.00126	.00132	.00479	.00011	.00309	.00139
%RSD	.08139	.65592	.65592	.09750	.09160	32.255	.50463	.25175	26.791	.04238	1.2149	.56372
#1	.49468	1.9962	4.2718	.50718	.25112	-.00140	.24784	.52198	-.01450	.24822	.25618	.24818
#2	.49525	2.0148	4.3116	.50788	.25079	-.00088	.24961	.52384	-.02128	.24837	.25182	.24621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8072.0**	**102610.**	**8501.8**
Stddev	6.9	139.	3.2
%RSD	.08596	.13542	.03790
#1	8067.1	102710.	8499.5
#2	8076.9	102510.	8504.0

Sample Name: ICV-2364198 Acquired: 11/8/2013 14:59:35 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25236**	W **.26916**	**.25152**	**.25234**	**.25205**	**.24308**	**.00177**	**2.0340**	**.25318**	**.25475**	**.25395**	**.25521**
Stddev	.00095	.00048	.00006	.00111	.00118	.00012	.00079	.0068	.00040	.00067	.00033	.00021
%RSD	.37508	.17674	.02471	.44048	.46783	.05112	44.420	.33426	.15723	.26294	.12891	.08103
#1	.25303	.26950	.25147	.25312	.25288	.24299	.00232	2.0292	.25346	.25522	.25418	.25507
#2	.25169	.26883	.25156	.25155	.25121	.24316	.00121	2.0388	.25290	.25428	.25372	.25536
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25509**	**20.143**	**.25311**	**10.074**	**.25431**	**.24990**	**2.0282**	**.25615**	**1.9418**	**.25712**	**.00435**	**.25730**
Stddev	.00009	.040	.00042	.015	.00017	.00082	.0002	.00106	.0053	.00108	.00173	.00124
%RSD	.03496	.19752	.16493	.14463	.06765	.32694	.01169	.41451	.27027	.41859	39.759	.48294
#1	.25516	20.171	.25281	10.084	.25419	.25048	2.0284	.25690	1.9455	.25789	.00557	.25642
#2	.25503	20.115	.25340	10.063	.25443	.24933	2.0280	.25540	1.9380	.25636	.00313	.25818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49736**	**1.9826**	**4.2428**	**.50976**	**.24996**	**-.00108**	**.25048**	**.52722**	**-.00702**	**.24881**	**.25639**	**.24545**
Stddev	.00057	.0235	.0502	.00135	.00057	.00195	.00039	.00022	.04013	.00031	.00057	.00198
%RSD	.11452	1.1837	1.1837	.26526	.22949	181.28	.15699	.04263	571.31	.12547	.22151	.80768
#1	.49776	1.9660	4.2073	.51071	.25037	.00030	.25020	.52738	-.03540	.24859	.25679	.24404
#2	.49696	1.9992	4.2783	.50880	.24956	-.00246	.25076	.52706	.02135	.24903	.25599	.24685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.6**	**101490.**	**8556.2**
Stddev	17.3	430.	22.5
%RSD	.21326	.42344	.26241
#1	8079.4	101190.	8540.3
#2	8103.8	101800.	8572.1

Sample Name: ICVL2367586 Acquired: 11/8/2013 15:16:08 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.11287**	**.01385**	**.09710**	**.00990**	**.00111**	**.12464**	**.21333**	**.00567**	**.01060**	**.01076**	**.01562**	**.10599**
Stddev	.00030	.00856	.00038	.00059	.00030	.00005	.00443	.00024	.00015	.00054	.00019	.00018	.00278
%RSD	3.1012	7.5838	2.7483	.60934	3.0421	4.7742	3.5506	.11197	2.5719	5.0932	1.7769	1.1260	2.6209
#1	.00996	.10682	.01358	.09668	.01011	.00115	.12776	.21350	.00557	.01022	.01062	.01574	.10403
#2	.00953	.11893	.01412	.09752	.00969	.00107	.12151	.21316	.00578	.01098	.01089	.01549	.10796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0862**	**.01157**	**.20933**	**.01035**	**.02019**	**1.0389**	**.04223**	**2.8594**	**.01143**	**.00467**	**.01124**	**.01486**	**.49863**
Stddev	.0227	.00063	.00119	.00005	.00006	.0093	.00025	.0008	.00055	.00211	.00001	.00203	.02044
%RSD	.73410	5.4053	.56626	.44515	.27902	.89094	.58416	.02866	4.8067	45.275	.09753	13.665	4.0986
#1	3.0701	.01112	.21017	.01032	.02015	1.0323	.04206	2.8588	.01104	.00317	.01125	.01342	.48417
#2	3.1022	.01201	.20849	.01039	.02023	1.0454	.04241	2.8600	.01182	.00617	.01123	.01630	.51308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0671**	**.10346**	**.01035**	**.01516**	**.01010**	**.01712**	F **.08832**	**.00928**	**.02442**	**.01566**
Stddev	.0437	.00050	.00021	.00124	.00047	.00150	.01400	.00037	.00055	.00185
%RSD	4.0986	.48751	2.0261	8.1663	4.6335	8.7486	15.847	3.9722	2.2560	11.833
#1	1.0361	.10310	.01020	.01603	.00976	.01818	.07842	.00954	.02481	.01697
#2	1.0980	.10381	.01050	.01428	.01043	.01606	.09822	.00902	.02403	.01435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.6**	**104590.**	**8530.9**
Stddev	54.9	174.	10.1
%RSD	.67510	.16626	.11830
#1	8175.4	104710.	8538.1
#2	8097.7	104470.	8523.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 15:19:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**50.178**	**.00118**	**.00479**	**.00033**	**.00015**	**.98012**	**.00053**	**-.00008**	**-.00086**	**-.00007**	**.00664**	**49.704**
Stddev	.00018	.251	.00226	.00030	.00006	.00004	.00344	.00065	.00016	.00014	.00008	.00024	.153
%RSD	7.3196	.50109	191.96	6.3496	19.394	25.317	.35090	122.69	200.48	16.613	120.69	3.6045	.30850
#1	.00252	50.000	.00278	.00501	.00038	.00012	.98256	.00007	.00003	-.00096	-.00001	.00647	49.596
#2	.00227	50.356	-.00042	.00458	.00028	.00017	.97769	.00099	-.00020	-.00076	-.00013	.00681	49.813
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05847**	**.00085**	**.08056**	**.00035**	**-.00038**	**250.52**	**.00024**	**.00169**	**.00169**	**4.8821**	**.00264**	**.00022**	**.02042**
Stddev	.02145	.00205	.00457	.00004	.00007	1.03	.00018	.00043	.00021	.0037	.00032	.00049	.00442
%RSD	36.693	241.91	5.6674	12.845	18.798	.40942	77.238	25.401	12.667	.07656	12.211	222.58	21.625
#1	.07363	-.00060	.08379	.00032	-.00033	249.79	.00011	.00200	.00185	4.8795	.00241	.00057	.02354
#2	.04330	.00230	.07733	.00038	-.00043	251.24	.00037	.00139	.00154	4.8848	.00287	-.00013	.01730
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04370**	**-.00038**	**.00040**	**4.8493**	**-.00552**	**.00177**	**10.104**	**.00047**	**.00187**	**.01613**
Stddev	.00945	.00010	.00004	.0094	.00029	.00040	.015	.00038	.00026	.00170
%RSD	21.625	27.602	9.4507	.19384	5.2364	22.720	.14803	79.730	13.834	10.565
#1	.05038	-.00045	.00042	4.8559	-.00572	.00205	10.115	.00021	.00168	.01493
#2	.03702	-.00030	.00037	4.8426	-.00531	.00148	10.093	.00074	.00205	.01734
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7824.5**	**97427.**	**8340.8**
Stddev	3.6	22.	69.0
%RSD	.04616	.02257	.82686
#1	7822.0	97442.	8389.6
#2	7827.1	97411.	8292.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 15:21:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49144**	**.51808**	**.96376**	**.48596**	**.49743**	**.49164**	**-.00052**	**4.9583**	**.48983**	**.49968**	**.49263**	**.50083**	**2.4698**
Stddev	.00159	.00088	.00892	.00010	.00303	.00338	.00327	.0358	.00008	.00121	.00127	.00239	.0236
%RSD	.32425	.17044	.92594	.02005	.60982	.68790	632.04	.72193	.01708	.24242	.25768	.47761	.95630
#1	.49031	.51870	.95745	.48589	.49957	.49403	.00179	4.9836	.48989	.49882	.49353	.49914	2.4865
#2	.49256	.51745	.97007	.48603	.49528	.48925	-.00283	4.9330	.48977	.50053	.49173	.50252	2.4531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.358**	**.99506**	**19.561**	**.49931**	**.49153**	**5.1763**	**.49750**	**.95427**	**1.0004**	**.00252**	**.99337**	**.95209**	**4.8742**
Stddev	.225	.00623	.032	.00031	.00106	.0508	.00085	.00137	.0046	.00017	.00226	.00299	.0472
%RSD	.45633	.62567	.16596	.06253	.21585	.98222	.16993	.14373	.46096	6.5998	.22797	.31378	.96862
#1	49.517	.99946	19.538	.49909	.49228	5.2122	.49690	.95524	.99712	.00241	.99177	.94997	4.9076
#2	49.198	.99066	19.584	.49953	.49078	5.1403	.49810	.95330	1.0036	.00264	.99497	.95420	4.8408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.431**	**.97976**	**.49545**	**-.00260**	**.50056**	**1.0116**	**.00086**	**.49687**	**.49374**	**.49369**
Stddev	.101	.00302	.00390	.00101	.00019	.0025	.02167	.00012	.00102	.00283
%RSD	.96862	.30786	.78665	38.672	.03724	.24990	2516.4	.02486	.20644	.57318
#1	10.502	.97763	.49821	-.00189	.50069	1.0098	.01619	.49679	.49302	.49169
#2	10.359	.98189	.49269	-.00331	.50043	1.0133	-.01446	.49696	.49447	.49569
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.1**	**100440.**	**8410.0**
Stddev	12.7	229.	79.5
%RSD	.15874	.22789	.94538
#1	8010.1	100600.	8353.7
#2	8028.1	100280.	8466.2

Sample Name: ICB Acquired: 11/8/2013 15:24:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00617**	**.00286**	**.00158**	**.00007**	**.00033**	**.00145**	**.00243**	**.00031**	**-.00005**	**.00025**	**-.00067**
Stddev	.00002	.00361	.00099	.00035	.00025	.00007	.00088	.00043	.00002	.00011	.00007	.00003
%RSD	5.3352	58.526	34.477	22.279	338.56	22.448	60.698	17.781	6.7319	247.48	26.993	4.9775
#1	.00046	.00872	.00216	.00183	.00025	.00039	.00207	.00273	.00030	.00003	.00030	-.00069
#2	.00043	.00361	.00356	.00133	-.00010	.00028	.00082	.00212	.00033	-.00013	.00020	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00541**	**.03997**	**.00119**	**.00541**	**.00009**	**.00050**	**.02496**	**-.00003**	**-.00065**	**.00243**	**.00585**	W **.00427**
Stddev	.00164	.05913	.00065	.00110	.00003	.00017	.00110	.00024	.00170	.00016	.00370	.00048
%RSD	30.263	147.93	54.618	20.269	37.786	34.641	4.4049	905.14	261.46	6.4512	63.312	11.220
#1	.00426	.08178	.00165	.00464	.00011	.00063	.02574	-.00020	.00055	.00254	.00323	.00393
#2	.00657	-.00184	.00073	.00619	.00007	.00038	.02418	.00014	-.00186	.00232	.00847	.00461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.02023**	**.04328**	**.00063**	**.00024**	**.00041**	**.00009**	**.00086**	**-.00421**	**.00027**	**.00433**	**.00053**
Stddev	.00087	.01316	.02817	.00118	.00007	.00092	.00039	.00096	.00838	.00007	.00018	.00250
%RSD	36.853	65.081	65.081	187.93	28.217	226.84	421.51	111.34	198.87	25.689	4.0451	472.69
#1	.00175	.02953	.06320	-.00021	.00019	-.00025	-.00018	.00018	.00171	.00022	.00445	.00230
#2	.00298	.01092	.02336	.00146	.00028	.00106	.00037	.00154	-.01014	.00032	.00420	-.00124
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.8**	**101640.**	**8399.9**
Stddev	27.7	271.	3.8
%RSD	.34561	.26710	.04546
#1	8039.4	101450.	8397.2
#2	8000.2	101830.	8402.6

Sample Name: CRI-2367585 Acquired: 11/8/2013 15:26:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00919**	**.10560**	**.01031**	**.09256**	W **.00744**	**.00110**	**.12039**	**.20493**	**.00482**	**.00491**	**.01012**	**.00942**
Stddev	.00024	.00098	.00051	.00117	.00024	.00004	.00121	.00042	.00008	.00004	.00005	.00017
%RSD	2.5661	.92834	4.9917	1.2631	3.2155	3.3629	1.0089	.20672	1.6944	.74419	.45810	1.8461
#1	.00902	.10630	.01068	.09339	.00727	.00108	.12125	.20463	.00476	.00488	.01015	.00929
#2	.00935	.10491	.00995	.09174	.00761	.00113	.11953	.20523	.00488	.00493	.01009	.00954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.00500							
Range					20.490%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.03736**	**1.0099**	**.00924**	**.19630**	**.00314**	**.00985**	**.99854**	**.01018**	**.90551**	**.00343**	**.10338**	**.01007**
Stddev	.00057	.0164	.00042	.00306	.00002	.00009	.00854	.00027	.00204	.00032	.00130	.00051
%RSD	1.5286	1.6216	4.5991	1.5606	.68358	.87224	.85561	2.6858	.22515	9.3701	1.2621	5.0757
#1	.03696	.99835	.00954	.19847	.00316	.00979	.99249	.01037	.90695	.00321	.10430	.00971
#2	.03777	1.0215	.00894	.19414	.00313	.00991	1.0046	.00998	.90407	.00366	.10245	.01043
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.03000											
Range	20.490%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01164**	**.49434**	**1.0579**	**.01906**	**.00502**	F **.00431**	**.00982**	**.01126**	**.04850**	**.00946**	W **.01374**	**.01043**
Stddev	.00133	.01714	.0367	.00053	.00006	.00048	.00002	.00217	.02167	.00035	.00080	.00132
%RSD	11.387	3.4672	3.4672	2.7929	1.1381	11.126	.17062	19.255	44.679	3.6898	5.8224	12.654
#1	.01258	.50646	1.0838	.01868	.00498	.00465	.00981	.01279	.03318	.00971	.01431	.01136
#2	.01071	.48222	1.0320	.01944	.00506	.00397	.00983	.00973	.06382	.00922	.01318	.00950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value						.01000					.01000	
Range						-50.000%					20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8098.1**	**102870.**	**8439.0**
Stddev	9.4	73.	38.4
%RSD	.11608	.07125	.45487
#1	8091.4	102920.	8466.1
#2	8104.7	102820.	8411.9

Sample Name: CRI-2368617 Acquired: 11/8/2013 15:48:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00014**	**.00255**	**.00005**	**.01003**	**.00002**	**.00166**	**.00841**	**.00006**	**.00004**
Stddev	.00005	.00007	.00053	.00028	.00006	.00008	.00088	.00188	.00004	.00016
%RSD	8.4313	49.203	20.668	584.04	.63027	451.45	52.661	22.353	74.718	426.18
#1	-.00054	.00019	.00218	-.00015	.01007	-.00004	.00104	.00708	.00003	.00015
#2	-.00060	.00009	.00292	.00025	.00998	.00008	.00228	.00974	.00009	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00010**	**.05190**	**.01798**	**-.00043**	**.00030**	**.00006**	**.00027**	**-.03445**	**.00025**
Stddev	.00016	.00073	.00271	.04859	.00058	.00000	.00004	.00010	.00319	.00024
%RSD	340.21	760.98	5.2216	270.30	135.79	.89877	60.126	36.048	9.2556	94.948
#1	.00016	-.00042	.05381	-.01638	-.00084	.00030	.00009	.00034	-.03670	.00008
#2	-.00007	.00061	.04998	.05233	-.00002	.00030	.00003	.00020	-.03219	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.00004**	**-.00030**	**-.00010**	**.00050**	**.00399**	**.00855**	**.00015**	**.00005**	**.00044**
Stddev	.00205	.00063	.00212	.00218	.00417	.01243	.02660	.00049	.00006	.00138
%RSD	140.95	1452.5	712.53	2134.6	829.08	311.27	311.27	336.60	118.11	317.00
#1	-.00291	-.00040	.00120	-.00165	-.00245	-.00480	-.01026	.00049	.00001	.00141
#2	.00000	.00049	-.00179	.00144	.00345	.01278	.02736	-.00020	.00010	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00117**	**.01231**	**-.00043**	**.02293**	**.00166**
Stddev	.00028	.00114	.04728	.00035	.00001	.00223
%RSD	198.58	97.432	384.20	81.602	.04221	134.15
#1	.00034	.00198	-.02112	-.00068	.02292	.00324
#2	-.00006	.00036	.04573	-.00018	.02293	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8068.9**	**102140.**	**8396.5**
Stddev	.5	599.	116.8
%RSD	.00621	.58669	1.3908
#1	8068.6	102560.	8313.9
#2	8069.3	101710.	8479.0

Sample Name: ICSA-2295334 Acquired: 11/8/2013 15:58:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	R **521.51**	**-.00173**	**-.00206**	**.00024**	**.00007**	W **-.03610**	**460.08**	**.00044**	**-.00074**	**.00069**
Stddev	.00020	.36	.00037	.00071	.00021	.00007	.00063	.42	.00008	.00004	.00012
%RSD	15.871	.06827	21.413	34.362	86.906	99.031	1.7329	.09237	17.181	5.7866	16.886
#1	-.00138	521.25	-.00146	-.00156	.00038	.00002	-.03655	460.38	.00049	-.00071	.00077
#2	-.00110	521.76	-.00199	-.00257	.00009	.00011	-.03566	459.78	.00038	-.00077	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.01200				
Low Limit							-.01200				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**195.20**	**-.03450**	W **.01074**	**501.65**	W **.00056**	**-.00016**	**.11675**	**-.00036**	**-.00599**	**.00138**
Stddev	.00025	.49	.00023	.00232	1.43	.00012	.00013	.01805	.00029	.00032	.00200
%RSD	11.196	.25000	.66783	21.644	.28475	20.719	83.816	15.464	81.934	5.3261	144.93
#1	.00209	195.54	-.03434	.01238	502.66	.00048	-.00025	.10398	-.00056	-.00621	-.00003
#2	.00245	194.85	-.03466	.00909	500.64	.00064	-.00006	.12952	-.00015	-.00576	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06203**	**.00065**	**-.00020**	**.00230**	**.00493**	**.00121**	W **.01525**	W **.00850**	**-.00056**	**-.00199**	**-.00174**
Stddev	.00128	.00063	.00566	.01605	.03435	.00050	.00012	.00181	.00002	.00074	.01517
%RSD	2.0638	97.319	2760.5	696.47	696.47	41.158	.77583	21.300	2.9159	37.357	874.15
#1	-.06294	.00020	.00379	-.00905	-.01936	.00086	.01533	.00722	-.00057	-.00252	.00899
#2	-.06113	.00109	-.00420	.01366	.02922	.00157	.01517	.00978	-.00055	-.00147	-.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050	.00800			
Low Limit							-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **.00269**	**-.00332**	**-.00237**
Stddev	.00062	.00000	.00295
%RSD	22.923	.10794	124.82
#1	.00225	-.00332	-.00028
#2	.00312	-.00331	-.00446
Check ?	Chk Warn	Chk Pass	Chk Pass
High Limit	.00222		
Low Limit	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7271.9**	**87427.**	**8213.8**
Stddev	13.6	21.	65.4
%RSD	.18740	.02438	.79592
#1	7281.6	87442.	8260.1
#2	7262.3	87412.	8167.6

Sample Name: ICSAB-2363707 Acquired: 11/8/2013 16:01:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0802**	R **514.67**	**1.9667**	**1.8070**	**.50002**	**.48213**	**1.0229**	**465.83**	**.99019**	**.46053**	**.48163**	**.53698**	**192.55**
Stddev	.0030	1.49	.0010	.0054	.00254	.00193	.0000	2.14	.00188	.00058	.00066	.00117	.04
%RSD	.27803	.28910	.05143	.30029	.50769	.40105	.00184	.46025	.19019	.12647	.13767	.21801	.01881
#1	1.0781	515.72	1.9674	1.8032	.50181	.48349	1.0229	464.32	.98886	.46095	.48116	.53616	192.53
#2	1.0823	513.61	1.9660	1.8108	.49822	.48076	1.0229	467.35	.99152	.46012	.48210	.53781	192.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.462**	**1.0506**	**489.90**	**.50345**	**.95311**	**53.124**	**.91105**	**1.8798**	**.90074**	**.93885**	**.97260**	**4.6488**	**9.7690**
Stddev	.028	.0014	5.54	.00337	.00123	.010	.00167	.0050	.00253	.00103	.00287	.0125	.0551
%RSD	.05350	.12982	1.1318	.66981	.12909	.01880	.18358	.26861	.28132	.10975	.29534	.26871	.56396
#1	52.481	1.0516	485.98	.50107	.95224	53.131	.90986	1.8763	.89895	.93813	.97057	4.6400	9.8079
#2	52.442	1.0496	493.82	.50584	.95398	53.117	.91223	1.8834	.90253	.93958	.97463	4.6577	9.7300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.906**	**8.9041**	**1.0048**	**2.0638**	**.99921**	**8.2278**	**-.01592**	**.51011**	**.97541**	**.98348**
Stddev	.118	.0187	.0044	.0170	.00770	.0039	.02986	.00536	.00482	.00214
%RSD	.56396	.21017	.44058	.82381	.77059	.04690	187.56	1.0512	.49401	.21755
#1	20.989	8.8909	1.0079	2.0518	.99377	8.2250	-.03703	.50632	.97200	.98500
#2	20.822	8.9174	1.0017	2.0758	1.0047	8.2305	.00519	.51390	.97881	.98197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7405.8**	**88701.**	**8421.8**
Stddev	.9	640.	48.8
%RSD	.01232	.72139	.57918
#1	7405.2	89153.	8456.3
#2	7406.5	88248.	8387.3

Sample Name: LRA-2305343 Acquired: 11/8/2013 16:04:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2730**	**.05594**	**9.8133**	**9.2764**	**12.307**	**-.00399**	**-.08822**	**.08275**	**2.0279**	**5.0042**	**10.131**	**10.502**	R **522.02**
Stddev	.0124	.00987	.0354	.0296	.069	.00009	.00534	.00353	.0064	.0108	.031	.061	.13
%RSD	.97037	17.650	.36037	.31889	.56388	2.2006	6.0484	4.2642	.31469	.21585	.30885	.57889	.02439
#1	1.2817	.04896	9.8383	9.2974	12.258	-.00405	-.09199	.08524	2.0324	5.0118	10.153	10.545	521.93
#2	1.2643	.06292	9.7883	9.2555	12.356	-.00392	-.08445	.08025	2.0234	4.9966	10.109	10.459	522.11
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.19764**	**-.00148**	**.04502**	**10.028**	**4.9865**	**-.03621**	**10.127**	**.01189**	**10.176**	**-.07639**	**-.10836**	**4.8075**	**48.738**
Stddev	.01999	.00099	.00679	.051	.0116	.01821	.021	.00057	.028	.00340	.00347	.0075	.246
%RSD	10.113	66.702	15.075	.50832	.23222	50.282	.21069	4.7932	.27425	4.4450	3.2042	.15643	.50568
#1	-.18351	-.00078	.04982	10.064	4.9946	-.02334	10.142	.01149	10.196	-.07398	-.10590	4.8022	48.564
#2	-.21177	-.00218	.04022	9.9918	4.9783	-.04909	10.111	.01229	10.156	-.07879	-.11081	4.8128	48.912
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**104.30**	**.01240**	**10.135**	**.01301**	**10.074**	**4.9196**	**.02557**	**10.127**	**9.7627**	**-.00287**
Stddev	.53	.00015	.063	.00061	.026	.0169	.01518	.020	.0384	.00065
%RSD	.50568	1.2200	.62146	4.7174	.26036	.34442	59.368	.19628	.39298	22.623
#1	103.93	.01251	10.180	.01344	10.092	4.9315	.01483	10.141	9.7899	-.00333
#2	104.67	.01229	10.090	.01257	10.055	4.9076	.03630	10.112	9.7356	-.00241
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7962.6**	**100570.**	**8544.8**
Stddev	12.5	323.	47.5
%RSD	.15702	.32096	.55532
#1	7971.4	100340.	8578.4
#2	7953.8	100800.	8511.3

Sample Name: Na 5000 Acquired: 11/8/2013 16:07:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.02750**	**.00356**	**.01432**	**.00360**	**.00014**	**.00316**	**.10414**	**.00031**	**-.00016**
Stddev	.00018	.00462	.00115	.00144	.00238	.00006	.00705	.02863	.00024	.00013
%RSD	11.403	16.794	32.421	10.076	66.127	45.588	222.82	27.492	78.071	84.150
#1	-.00174	.03077	.00274	.01534	.00529	.00018	-.00182	.12438	.00049	-.00006
#2	-.00148	.02424	.00437	.01330	.00192	.00009	.00814	.08389	.00014	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00257**	**.15531**	**1.8231**	**.00618**	**.05350**	**.00183**	**.00147**	RW **5224.7**	**.00106**
Stddev	.00023	.00021	.07624	1.0312	.00223	.00449	.00003	.00015	10.9	.00007
%RSD	27.132	8.0811	49.092	56.566	36.135	8.3898	1.6383	9.8930	.20775	6.1515
#1	.00100	.00243	.20922	1.0939	.00776	.05667	.00185	.00137	5217.0	.00102
#2	.00068	.00272	.10140	2.5523	.00460	.05032	.00181	.00157	5232.4	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**.00182**	**.03156**	**-.00094**	**.00208**	**.05219**	**.11169**	**.00108**	**.00276**	**-.00133**
Stddev	.00310	.00033	.00577	.00165	.00028	.00132	.00282	.00058	.00137	.00017
%RSD	42.736	18.276	18.270	174.86	13.452	2.5282	2.5282	54.180	49.559	12.751
#1	.00944	.00158	.02748	-.00211	.00228	.05126	.10969	.00149	.00373	-.00121
#2	.00506	.00205	.03564	.00022	.00188	.05312	.11369	.00066	.00180	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**-.00009**	**-.03000**	**.00185**	**.00860**	**-.00060**
Stddev	.00029	.00112	.01074	.00025	.00001	.00032
%RSD	14.652	1205.1	35.804	13.765	.13408	53.290
#1	.00219	-.00088	-.02241	.00203	.00861	-.00038
#2	.00178	.00070	-.03760	.00167	.00859	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6714.1**	**78969.**	**8015.8**
Stddev	40.9	194.	6.4
%RSD	.60870	.24620	.07957
#1	6685.2	79107.	8011.3
#2	6743.0	78832.	8020.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 16:11:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**50.563**	**.00340**	**.01189**	**.00019**	**.00008**	**.98709**	**.01004**	**.00007**	**-.00054**	**.00020**	**.00793**	**50.223**
Stddev	.00032	.025	.00262	.00108	.00025	.00004	.00299	.00311	.00012	.00019	.00001	.00064	.170
%RSD	11.145	.05006	77.209	9.0502	132.96	44.438	.30243	31.002	175.34	35.423	6.3055	8.1280	.33894
#1	.00263	50.581	.00154	.01265	.00001	.00010	.98921	.01224	-.00002	-.00068	.00021	.00747	50.344
#2	.00308	50.545	.00525	.01113	.00037	.00005	.98498	.00784	.00015	-.00041	.00019	.00838	50.103
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14702**	**.00360**	**.08523**	**.00054**	**.00000**	**253.31**	**.00011**	**.00198**	**.00099**	**4.9195**	**-.00107**	**-.00010**	**.01882**
Stddev	.02141	.00014	.00211	.00007	.0001	1.14	.00012	.00183	.00063	.0089	.00218	.00153	.01616
%RSD	14.563	3.8982	2.4734	12.728	2412.1	.45012	104.49	92.740	63.600	.18008	203.37	1478.6	85.886
#1	.16216	.00370	.08672	.00049	-.00007	252.50	.00020	.00327	.00144	4.9258	.00047	.00098	.03025
#2	.13188	.00350	.08374	.00059	.00006	254.12	.00003	.00068	.00055	4.9132	-.00262	-.00118	.00739
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04027**	**.00059**	**.00050**	**4.8289**	**-.00470**	**.00110**	**10.111**	**.00064**	**.00210**	**.01993**
Stddev	.03459	.00008	.00001	.0266	.00015	.00026	.051	.00041	.00002	.00231
%RSD	85.886	14.023	1.0835	.54976	3.1549	23.200	.50355	63.749	1.1134	11.566
#1	.06473	.00053	.00050	4.8477	-.00460	.00128	10.147	.00035	.00211	.01830
#2	.01581	.00065	.00050	4.8101	-.00481	.00092	10.075	.00093	.00208	.02156
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8034.4**	**100880.**	**8625.0**
Stddev	33.8	774.	14.0
%RSD	.42130	.76777	.16228
#1	8010.4	100330.	8634.9
#2	8058.3	101420.	8615.1

Sample Name: X Acquired: 11/8/2013 16:13:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48846**	**.52335**	**.97565**	**.49481**	**.49791**	**.49360**	**.00012**	**4.9757**	**.49220**	**.50258**	**.49696**	**.49852**	**2.4589**
Stddev	.00146	.00021	.00911	.00147	.00104	.00163	.00211	.0188	.00114	.00099	.00081	.00272	.0143
%RSD	.29791	.03917	.93354	.29617	.20922	.33071	1730.2	.37821	.23191	.19784	.16367	.54463	.57980
#1	.48743	.52321	.98209	.49378	.49718	.49244	-.00137	4.9624	.49139	.50188	.49639	.49660	2.4488
#2	.48949	.52350	.96921	.49585	.49865	.49475	.00162	4.9890	.49300	.50328	.49754	.50044	2.4690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.539**	**.98744**	**19.448**	**.49720**	**.50009**	F **5.6755**	**.50339**	**.96626**	**1.0056**	**-.00154**	**.99839**	**.96379**	**4.8567**
Stddev	.240	.00430	.030	.00049	.00182	.0498	.00234	.00395	.0063	.00016	.00038	.00164	.0284
%RSD	.48476	.43517	.15532	.09847	.36365	.87657	.46542	.40833	.63076	10.400	.03782	.16989	.58517
#1	49.369	.98440	19.427	.49685	.49880	5.7106	.50173	.96347	1.0011	-.00142	.99812	.96263	4.8366
#2	49.708	.99048	19.470	.49754	.50137	5.6403	.50505	.96905	1.0101	-.00165	.99866	.96495	4.8768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.393**	**.99024**	**.49603**	**-.00341**	**.49875**	**1.0104**	**.02218**	**.49806**	**.48840**	**.49523**
Stddev	.061	.00340	.00153	.00067	.00026	.0084	.01502	.00227	.00047	.00182
%RSD	.58517	.34319	.30906	19.534	.05222	.82838	67.712	.45649	.09628	.36781
#1	10.350	.98784	.49494	-.00388	.49856	1.0045	.03280	.49646	.48807	.49394
#2	10.436	.99265	.49711	-.00294	.49893	1.0164	.01156	.49967	.48873	.49652
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8144.8**	**102480.**	**8666.2**
Stddev	61.6	245.	28.0
%RSD	.75664	.23901	.32361
#1	8188.4	102300.	8686.0
#2	8101.3	102650.	8646.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:23:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50459**	**.51362**	**1.0066**	**.51221**	**.50484**	**.50335**	**-.00030**	**5.0816**	**.50888**	**.51165**	**.50781**	**.51150**	**2.4917**
Stddev	.00067	.00089	.0039	.00225	.00032	.00112	.00057	.0081	.00204	.00137	.00106	.00139	.0060
%RSD	.13216	.17279	.39071	.43884	.06262	.22269	191.83	.15869	.40090	.26789	.20788	.27176	.24267
#1	.50506	.51299	1.0038	.51062	.50462	.50414	-.00070	5.0873	.50744	.51068	.50707	.51249	2.4960
#2	.50412	.51425	1.0093	.51380	.50507	.50255	.00011	5.0759	.51033	.51262	.50856	.51052	2.4875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.620**	**1.0016**	**19.950**	**.50449**	**.50626**	**5.1922**	**.51399**	**1.0067**	**1.0318**	**-.00319**	**1.0417**	**1.0100**	**4.9653**
Stddev	.082	.0001	.030	.00116	.00194	.0077	.00222	.0059	.0046	.00114	.0086	.0060	.0017
%RSD	.16117	.01051	.15015	.22953	.38379	.14801	.43278	.59036	.44949	35.710	.82198	.59189	.03503
#1	50.678	1.0015	19.971	.50530	.50489	5.1976	.51242	1.0025	1.0285	-.00399	1.0357	1.0058	4.9641
#2	50.562	1.0017	19.929	.50367	.50763	5.1867	.51557	1.0109	1.0351	-.00238	1.0478	1.0142	4.9666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.626**	**1.0176**	**.50435**	**-.00523**	**.50403**	**1.0393**	**-.00563**	**.50615**	**.50091**	**.50128**
Stddev	.004	.0056	.00060	.00090	.00015	.0038	.01415	.00163	.00111	.00090
%RSD	.03503	.55050	.11974	17.271	.03051	.36233	251.10	.32159	.22242	.17953
#1	10.623	1.0137	.50477	-.00459	.50392	1.0366	-.01564	.50500	.50012	.50192
#2	10.628	1.0216	.50392	-.00586	.50414	1.0419	.00437	.50730	.50170	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8128.1**	**103200.**	**8568.4**
Stddev	2.2	234.	148.0
%RSD	.02705	.22705	1.7274
#1	8126.5	103040.	8463.7
#2	8129.7	103370.	8673.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:28:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50357**	**.51429**	**1.0062**	**.51272**	**.50649**	**.50414**	**.00138**	**5.0873**	**.50896**	**.51163**	**.50961**	**.51125**	**2.4877**
Stddev	.00003	.00087	.0022	.00112	.00166	.00345	.00409	.0265	.00058	.00029	.00013	.00091	.0202
%RSD	.00502	.16863	.21368	.21940	.32679	.68430	296.39	.52098	.11307	.05723	.02470	.17784	.81123
#1	.50355	.51367	1.0047	.51193	.50766	.50658	-.00151	5.1060	.50856	.51143	.50970	.51061	2.5019
#2	.50358	.51490	1.0077	.51352	.50532	.50170	.00427	5.0685	.50937	.51184	.50953	.51189	2.4734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.662**	**1.0070**	**20.003**	**.50376**	**.50921**	**5.1786**	**.51694**	**1.0080**	**1.0356**	**-.00586**	**1.0440**	**1.0119**	**4.9762**
Stddev	.340	.0038	.028	.00021	.00125	.0195	.00089	.0070	.0023	.00249	.0048	.0011	.0516
%RSD	.67158	.37983	.14239	.04079	.24499	.37719	.17130	.69385	.21804	42.483	.46290	.11048	1.0371
#1	50.903	1.0097	19.983	.50361	.50833	5.1924	.51631	1.0031	1.0340	-.00410	1.0405	1.0111	5.0127
#2	50.422	1.0043	20.023	.50390	.51010	5.1648	.51757	1.0130	1.0372	-.00762	1.0474	1.0127	4.9397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.649**	**1.0228**	**.50557**	**-.00597**	**.50285**	**1.0432**	**.02251**	**.50682**	**.50249**	**.50183**
Stddev	.110	.0018	.00312	.00195	.00012	.0012	.03773	.00021	.00154	.00139
%RSD	1.0371	.17903	.61762	32.706	.02446	.11829	167.58	.04098	.30608	.27706
#1	10.727	1.0215	.50777	-.00459	.50276	1.0424	-.00416	.50667	.50140	.50281
#2	10.571	1.0241	.50336	-.00736	.50294	1.0441	.04919	.50697	.50357	.50084
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8108.5**	**102590.**	**8622.8**
Stddev	12.2	132.	56.4
%RSD	.15088	.12833	.65458
#1	8117.2	102490.	8582.9
#2	8099.9	102680.	8662.7

Sample Name: CCB Acquired: 11/8/2013 16:35:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00045**	**.00117**	W **.00444**	**-.00016**	**.00023**	**-.00144**	**.00271**	**.00017**	**.00011**	**.00019**	**-.00001**
Stddev	.00021	.00022	.00128	.00017	.00025	.00014	.00381	.00560	.00014	.00019	.00024	.00012
%RSD	1295.2	48.310	109.27	3.9317	160.71	62.105	264.89	206.62	81.994	184.81	126.00	2001.4
#1	-.00013	.00029	.00027	.00456	.00002	.00013	-.00413	.00666	.00027	-.00003	.00002	.00008
#2	.00016	.00060	.00207	.00431	-.00033	.00034	.00126	-.00125	.00007	.00024	.00036	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.05851**	**.00205**	**.00428**	**.00005**	**.00031**	**.02833**	**-.00003**	**.00049**	**.00145**	**.00020**	**.00033**
Stddev	.00058	.03421	.00205	.00145	.00002	.00018	.00952	.00010	.00057	.00026	.00044	.00074
%RSD	144.57	58.464	99.797	33.885	44.620	59.057	33.595	332.08	117.46	18.021	222.44	225.15
#1	.00081	.08270	.00350	.00325	.00007	.00018	.03507	-.00010	.00008	.00126	.00051	-.00020
#2	-.00001	.03432	.00060	.00531	.00004	.00043	.02160	.00004	.00089	.00163	-.00011	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**.01346**	**.02880**	**.00026**	**.00010**	**.00135**	**.00026**	**-.00016**	**-.01911**	**-.00028**	**.00318**	**.00111**
Stddev	.00084	.00317	.00679	.00034	.00002	.00323	.00005	.00174	.01233	.00053	.00054	.00039
%RSD	53.097	23.571	23.571	130.50	15.436	238.38	20.815	1074.0	64.513	188.45	16.945	35.220
#1	-.00218	.01121	.02400	.00002	.00011	-.00093	.00022	-.00140	-.01039	.00009	.00357	.00084
#2	-.00099	.01570	.03360	.00051	.00009	.00364	.00030	.00107	-.02783	-.00065	.00280	.00139
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8103.3**	**103800.**	**8538.1**
Stddev	4.5	620.	1.8
%RSD	.05566	.59686	.02050
#1	8100.1	103360.	8539.4
#2	8106.5	104240.	8536.9

Sample Name: CCVL2367586 Acquired: 11/8/2013 16:38:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10798**	**.01636**	**.10017**	**.01006**	**.00113**	**.12240**	**.21239**	**.00545**	**.01064**	**.01073**	**.01584**	**.10334**	**3.0862**
Stddev	.00091	.00116	.00066	.00004	.00015	.00008	.00004	.00222	.00029	.00050	.00031	.00069	.00065	.0356
%RSD	9.0520	1.0746	4.0344	.03837	1.4678	6.8594	.03471	1.0444	5.3150	4.6683	2.8494	4.3367	.62971	1.1541
#1	.00939	.10716	.01683	.10015	.01017	.00108	.12243	.21082	.00525	.01029	.01051	.01633	.10288	3.0610
#2	.01068	.10880	.01589	.10020	.00996	.00119	.12237	.21395	.00566	.01099	.01094	.01536	.10380	3.1113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01161**	**.20800**	**.01043**	**.02075**	**1.0747**	**.04228**	**2.8873**	**.00985**	**.00220**	**.01166**	**.01612**	**.51522**	**1.1026**	**.10448**
Stddev	.00313	.00462	.00004	.00016	.0195	.00021	.0106	.00168	.00042	.00018	.00063	.00408	.0087	.00035
%RSD	26.971	2.2217	.38232	.79275	1.8185	.50794	.36743	17.012	19.049	1.5525	3.8960	.79264	.79264	.33816
#1	.01383	.20473	.01040	.02064	1.0609	.04212	2.8798	.00866	.00190	.01153	.01568	.51811	1.1088	.10423
#2	.00940	.21127	.01046	.02087	1.0886	.04243	2.8948	.01103	.00249	.01178	.01656	.51233	1.0964	.10473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.01527**	**.01010**	**.01682**	**.06118**	**.01015**	**.02480**	**.01553**
Stddev	.00014	.00127	.00050	.00030	.02514	.00001	.00017	.00111
%RSD	1.3177	8.3030	4.9253	1.8092	41.086	.11005	.67929	7.1535
#1	.01026	.01617	.00975	.01703	.07896	.01014	.02492	.01474
#2	.01046	.01437	.01045	.01660	.04341	.01015	.02468	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8222.8**	**105430.**	**8715.4**
Stddev	25.6	32.	46.3
%RSD	.31178	.03001	.53137
#1	8240.9	105450.	8682.7
#2	8204.7	105400.	8748.2

Sample Name: 48670-10 Acquired: 11/8/2013 16:40:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.01554**	**-.00124**	**.00546**	**.00207**	**.00013**	**.00506**	**.52197**	**.00005**	**.00017**
Stddev	.00051	.00014	.00065	.00029	.00021	.00009	.00022	.00559	.00008	.00007
%RSD	91.836	.87345	52.419	5.3617	10.134	70.444	4.3404	1.0715	174.32	39.212
#1	-.00020	.01563	-.00078	.00567	.00192	.00007	.00491	.51801	-.00001	.00022
#2	-.00092	.01544	-.00170	.00526	.00222	.00019	.00522	.52592	.00010	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00781**	**.00424**	**.06421**	**.00105**	**.30492**	**.00148**	**.00025**	**2.2757**	**.00258**
Stddev	.00006	.00006	.00057	.00288	.00135	.00559	.00002	.00037	.0002	.00018
%RSD	15.720	.80236	13.447	4.4892	128.58	1.8338	1.2853	146.57	.00929	7.1601
#1	.00035	.00777	.00465	.06217	.00201	.30887	.00147	-.00001	2.2758	.00245
#2	.00044	.00786	.00384	.06624	.00010	.30096	.00149	.00051	2.2755	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03257**	**.00064**	**1.6797**	**-.00285**	**.00040**	**.03954**	**.08462**	**-.00021**	**.01028**	**-.00004**
Stddev	.00068	.00005	.0077	.00094	.00010	.00845	.01807	.00012	.00015	.00030
%RSD	2.0851	7.1801	.46139	32.802	26.507	21.356	21.356	59.584	1.4991	760.25
#1	.03305	.00061	1.6742	-.00219	.00047	.04552	.09740	-.00012	.01017	-.00025
#2	.03209	.00067	1.6852	-.00351	.00032	.03357	.07184	-.00029	.01039	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00205**	**.00391**	**-.00036**	**.00466**	**-.00059**
Stddev	.00032	.00063	.01544	.00003	.00023	.00061
%RSD	146.70	30.739	394.70	8.1479	5.0136	103.31
#1	.00044	.00250	.01483	-.00038	.00449	-.00103
#2	-.00001	.00161	-.00701	-.00034	.00482	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8439.1**	**108280.**	**8786.5**
Stddev	2.5	490.	7.1
%RSD	.02952	.45280	.08046
#1	8437.3	108630.	8791.5
#2	8440.9	107940.	8781.5

Sample Name: 48776-6 Acquired: 11/8/2013 16:42:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00239**	**-.00104**	**.11280**	**-.00009**	**.00015**	**.00560**	**.00570**	**.00007**	**.00022**
Stddev	.00010	.00029	.00298	.00011	.00012	.00001	.00180	.00168	.00009	.00019
%RSD	715.93	12.007	286.89	.09841	132.22	8.3636	32.044	29.405	119.47	83.631
#1	-.00009	.00259	.00107	.11273	-.00001	.00014	.00433	.00689	.00001	.00035
#2	.00006	.00218	-.00314	.11288	-.00018	.00016	.00687	.00452	.00013	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00024**	**.00129**	**.06785**	**.00001**	**.00139**	**.00009**	**.00006**	**6.3326**	**.00067**
Stddev	.00002	.00020	.00035	.01713	.00011	.00161	.00009	.00002	.0234	.00030
%RSD	7.1978	84.216	27.121	25.253	1894.8	115.90	104.07	34.850	.37032	45.096
#1	.00022	.00039	.00153	.05573	.00008	.00025	.00015	.00008	6.3492	.00089
#2	.00025	.00010	.00104	.07997	-.00007	.00252	.00002	.00005	6.3160	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00055**	**.01238**	**-.00073**	**.00109**	**5.0632**	**10.835**	**-.00125**	**.00013**	**-.00158**
Stddev	.00070	.00048	.00224	.00099	.00057	.0178	.038	.00045	.00005	.00175
%RSD	553.79	87.609	18.095	134.99	52.522	.35228	.35228	35.797	40.614	110.64
#1	-.00037	-.00089	.01079	-.00143	.00068	5.0758	10.862	-.00093	.00017	-.00282
#2	.00062	-.00021	.01396	-.00003	.00149	5.0506	10.808	-.00156	.00010	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00145**	**.02677**	**-.00048**	**.00111**	**.00031**
Stddev	.00017	.00083	.05529	.00033	.00004	.00050
%RSD	73.051	57.290	206.53	68.687	3.2277	160.38
#1	.00011	.00203	.06586	-.00025	.00113	-.00004
#2	.00035	.00086	-.01232	-.00072	.00108	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.1**	**106090.**	**8815.0**
Stddev	8.8	606.	68.4
%RSD	.10460	.57086	.77614
#1	8379.9	106520.	8863.4
#2	8392.3	105660.	8766.6

Sample Name: mb 280-198991/1-a Acquired: 11/8/2013 16:45:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00432**	**.00218**	**.00361**	**.00012**	**.00008**	**-.00029**	**.00702**	**.00015**	**-.00006**
Stddev	.00036	.00014	.00116	.00048	.00024	.00001	.00046	.00129	.00003	.00021
%RSD	43.307	3.3162	52.881	13.286	203.63	17.187	161.65	18.404	23.366	368.81
#1	-.00108	.00422	.00300	.00395	-.00005	.00007	-.00062	.00611	.00012	.00009
#2	-.00057	.00442	.00137	.00327	.00028	.00009	.00004	.00793	.00017	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00010**	**.01138**	**.01340**	**.00069**	**.00138**	**.00010**	**.00004**	**.03837**	**.00040**
Stddev	.00008	.00016	.00208	.02735	.00120	.00316	.00006	.00005	.02812	.00024
%RSD	30.651	156.57	18.253	204.19	174.55	228.37	60.541	138.98	73.285	59.372
#1	.00021	-.00022	.00991	-.00595	.00153	.00362	.00006	.00000	.01849	.00023
#2	.00033	.00001	.01285	.03274	-.00016	-.00085	.00015	.00008	.05825	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**.00015**	**.01129**	**.00357**	**.00195**	**.01639**	**.03506**	**.00024**	**.00001**	**-.00127**
Stddev	.00032	.00090	.00243	.00011	.00063	.00269	.00576	.00001	.00005	.00124
%RSD	6.2681	585.70	21.511	2.9667	32.017	16.422	16.422	5.0511	386.30	97.876
#1	.00526	-.00048	.01300	.00349	.00151	.01829	.03914	.00023	.00004	-.00039
#2	.00481	.00079	.00957	.00364	.00240	.01448	.03099	.00025	-.00002	-.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00027**	W **.05192**	**-.00046**	**.00293**	**.00072**
Stddev	.00002	.00068	.00038	.00077	.00009	.00037
%RSD	4.3773	249.85	.72645	165.72	2.9769	51.045
#1	.00036	.00021	.05166	.00008	.00287	.00046
#2	.00034	-.00075	.05219	-.00101	.00299	.00098
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8042.8**	**103670.**	**8489.5**
Stddev	9.8	174.	19.2
%RSD	.12168	.16830	.22582
#1	8035.9	103800.	8476.0
#2	8049.8	103550.	8503.1

Sample Name: lcs 280-198991/2-a Acquired: 11/8/2013 16:47:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04968	1.9767	1.0161	1.0013	2.0844	.05123	2.3130	50.804	.10587	.50698
Stddev	.00040	.0025	.0025	.0010	.0109	.00011	.0023	.251	.00006	.00001
%RSD	.80932	.12821	.24765	.10530	.52089	.21579	.09937	.49498	.05519	.00196
#1	.04996	1.9749	1.0179	1.0006	2.0767	.05115	2.3146	50.626	.10582	.50697
#2	.04940	1.9785	1.0143	1.0021	2.0921	.05131	2.3114	50.982	.10591	.50698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20815	.26348	1.0107	52.058	1.0310	50.405	.51128	1.0309	54.188	.50806
Stddev	.00033	.00104	.0116	.303	.0039	.050	.00050	.0007	.216	.00006
%RSD	.15862	.39448	1.1463	.58204	.38044	.09997	.09825	.06671	.39941	.01153
#1	.20838	.26274	1.0025	51.843	1.0282	50.370	.51093	1.0314	54.035	.50810
#2	.20791	.26421	1.0189	52.272	1.0338	50.441	.51164	1.0304	54.341	.50802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.199	.50317	-.00896	.50764	2.0053	10.147	21.714	2.0328	1.0374	1.0463
Stddev	.006	.00062	.00161	.00134	.0094	.085	.182	.0053	.0073	.0031
%RSD	.05876	.12387	17.991	.26345	.46724	.83882	.83882	.25956	.70858	.29490
#1	10.204	.50273	-.01010	.50669	1.9986	10.087	21.585	2.0291	1.0322	1.0485
#2	10.195	.50361	-.00782	.50858	2.0119	10.207	21.843	2.0365	1.0426	1.0442
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0341	2.0121	2.2200	.52438	.50255	.51647
Stddev	.0036	.0059	.0107	.00148	.00076	.00455
%RSD	.34950	.29536	.48224	.28158	.15194	.88052
#1	1.0316	2.0079	2.2124	.52333	.50201	.51326
#2	1.0367	2.0164	2.2276	.52542	.50309	.51969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7873.5	99555.	8626.7
Stddev	6.1	477.	20.6
%RSD	.07746	.47897	.23899
#1	7877.8	99892.	8612.1
#2	7869.2	99218.	8641.3

Sample Name: 280-48662-e-1-a Acquired: 11/8/2013 16:49:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01988**	**-.00019**	**.00427**	**.00019**	**.00012**	**-.00037**	**.05344**	**.00023**	**-.00006**
Stddev	.00019	.00025	.00056	.00017	.00030	.00005	.00087	.00101	.00005	.00005
%RSD	81.577	1.2763	298.03	3.9290	162.44	44.658	237.20	1.8861	19.242	89.355
#1	-.00037	.01970	.00021	.00439	.00040	.00016	.00025	.05273	.00027	-.00002
#2	-.00010	.02006	-.00058	.00415	-.00003	.00008	-.00098	.05416	.00020	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00005**	**.01379**	**.04598**	**.00064**	**.00848**	**.00068**	**.00084**	**.05628**	**.00029**
Stddev	.00006	.00019	.00154	.03256	.00035	.00049	.00000	.00016	.01405	.00017
%RSD	53.425	406.67	11.137	70.805	54.731	5.7365	.46775	19.541	24.963	58.030
#1	.00007	.00009	.01488	.06900	.00088	.00813	.00067	.00096	.06622	.00017
#2	.00015	-.00018	.01271	.02296	.00039	.00882	.00068	.00072	.04635	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**-.00005**	**.00764**	**-.00018**	**.00263**	**.04864**	**.10409**	**.00031**	**.00043**	**.00007**
Stddev	.00083	.00029	.00291	.00139	.00220	.01020	.02182	.00003	.00011	.00156
%RSD	62.418	638.88	38.019	778.81	83.649	20.968	20.968	10.261	25.734	2077.3
#1	.00192	-.00025	.00970	.00081	.00418	.04143	.08865	.00029	.00035	-.00103
#2	.00074	.00016	.00559	-.00116	.00107	.05585	.11952	.00033	.00050	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00065**	**.02945**	**.00018**	**.00364**	**.00146**
Stddev	.00011	.00030	.02633	.00008	.00004	.00170
%RSD	25.543	46.343	89.394	47.161	1.1369	116.14
#1	.00051	.00044	.04807	.00023	.00367	.00026
#2	.00036	.00087	.01083	.00012	.00361	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8201.2**	**106220.**	**8719.0**
Stddev	2.8	651.	70.9
%RSD	.03421	.61292	.81340
#1	8199.2	105760.	8668.8
#2	8203.2	106680.	8769.1

Sample Name: 280-48651-b-6-c Acquired: 11/8/2013 16:52:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**7.1018**	**.00192**	**.03023**	**.14381**	**.00065**	**-.00103**	**39.510**	**.00778**	**.01289**
Stddev	.00059	.0178	.00221	.00010	.00125	.00004	.00001	.004	.00015	.00000
%RSD	93.949	.25002	115.20	.34262	.86878	6.4008	.86697	.01139	1.9448	.03171
#1	-.00021	7.0892	.00036	.03016	.14293	.00062	-.00104	39.507	.00767	.01289
#2	-.00105	7.1143	.00349	.03031	.14470	.00068	-.00103	39.513	.00788	.01288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00591**	**.03796**	**3.5843**	**5.4056**	**.03692**	**6.0388**	**.35827**	**.00087**	**5.1818**	**.03670**
Stddev	.00015	.00067	.0200	.0566	.00411	.0276	.00106	.00003	.0110	.00005
%RSD	2.5131	1.7665	.55786	1.0461	11.119	.45713	.29689	3.3297	.21205	.14416
#1	.00581	.03843	3.5702	5.4455	.03983	6.0583	.35902	.00089	5.1896	.03666
#2	.00602	.03749	3.5984	5.3656	.03402	6.0192	.35752	.00085	5.1741	.03674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5913**	**.01783**	**52.636**	**-.00076**	**.00313**	**8.9800**	**19.217**	**.00093**	**.15404**	**.00086**
Stddev	.0040	.00004	.166	.00187	.00052	.0230	.049	.00018	.00040	.00057
%RSD	.25456	.25151	.31480	247.19	16.588	.25628	.25628	19.330	.25887	66.576
#1	1.5942	.01786	52.753	.00056	.00276	8.9637	19.182	.00080	.15376	.00045
#2	1.5884	.01780	52.519	-.00207	.00349	8.9963	19.252	.00105	.15432	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08143**	**.00070**	**-.01307**	**.01020**	**4.8757**	**.00263**
Stddev	.00077	.00046	.00451	.00042	.0417	.00074
%RSD	.94022	65.433	34.526	4.1151	.85434	28.221
#1	.08197	.00102	-.01627	.01050	4.9052	.00316
#2	.08088	.00038	-.00988	.00990	4.8463	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8175.1**	**103310.**	**8636.3**
Stddev	18.4	550.	45.6
%RSD	.22497	.53284	.52851
#1	8188.1	102920.	8604.0
#2	8162.1	103700.	8668.6

Sample Name: 280-48651-b-7-c Acquired: 11/8/2013 16:54:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00494**	**.00124**	**.00257**	**.00033**	**.00006**	**.00023**	**.02735**	**.00013**	**.00010**
Stddev	.00015	.00023	.00103	.00032	.00032	.00001	.00084	.00215	.00020	.00011
%RSD	58.832	4.6370	83.297	12.291	97.014	21.153	358.97	7.8712	150.89	109.28
#1	-.00015	.00478	.00197	.00280	.00056	.00007	-.00036	.02887	-.00001	.00018
#2	-.00035	.00510	.00051	.00235	.00010	.00005	.00083	.02583	.00028	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00001**	**.00606**	**.02706**	**-.00140**	**.00518**	**.00020**	**.00011**	**.01715**	**.00035**
Stddev	.00015	.00000	.00316	.03049	.00016	.00066	.00000	.00028	.00103	.00006
%RSD	76.513	13.445	52.121	112.69	11.635	12.648	2.4521	259.42	5.9825	17.572
#1	.00009	-.00001	.00382	.00550	-.00128	.00564	.00020	-.00009	.01787	.00040
#2	.00030	-.00001	.00829	.04862	-.00151	.00472	.00020	.00031	.01642	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00036**	**.01561**	**-.00033**	**.00147**	**.02580**	**.05520**	**-.00006**	**.00010**	**.00073**
Stddev	.00099	.00032	.00076	.00104	.00400	.00214	.00458	.00053	.00010	.00085
%RSD	112.51	89.521	4.8456	319.62	272.05	8.3022	8.3022	838.50	104.90	116.31
#1	.00158	.00059	.01614	-.00106	-.00136	.02428	.05196	.00031	.00017	.00134
#2	.00018	.00013	.01507	.00041	.00430	.02731	.05844	-.00044	.00003	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00001**	**.05010**	**-.00032**	**.00417**	**-.00003**
Stddev	.00040	.00060	.02958	.00006	.00004	.00092
%RSD	340.54	8182.3	59.051	19.625	1.0478	2661.5
#1	.00040	-.00042	.02918	-.00027	.00421	-.00068
#2	-.00016	.00043	.07101	-.00036	.00414	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8208.1**	**105220.**	**8491.4**
Stddev	17.2	292.	4.9
%RSD	.20995	.27762	.05723
#1	8220.3	105430.	8488.0
#2	8195.9	105020.	8494.9

Sample Name: CCVH-2357613 Acquired: 11/8/2013 16:56:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**50.053**	**.00240**	**.00594**	**.00050**	**.00015**	**.98828**	**.01412**	**-.00015**	**-.00067**	**-.00009**	**.00693**	**49.081**
Stddev	.00001	.128	.00124	.00051	.00016	.00008	.00167	.00673	.00018	.00005	.00020	.00014	.059
%RSD	.40005	.25651	51.560	8.5966	32.261	52.129	.16870	47.688	122.11	7.5953	208.09	1.9483	.11968
#1	.00295	49.962	.00153	.00630	.00061	.00009	.98710	.01888	-.00002	-.00070	-.00023	.00702	49.123
#2	.00297	50.144	.00328	.00558	.00039	.00020	.98946	.00936	-.00028	-.00063	.00004	.00683	49.040
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02849**	**.00192**	**.07639**	**.00034**	**-.00002**	**250.39**	**.00014**	**.00102**	**.00127**	**4.9306**	**.00196**	**-.00449**	**.02498**
Stddev	.04209	.00046	.00677	.00010	.00033	.23	.00006	.00014	.00117	.0078	.00065	.00072	.00595
%RSD	147.73	23.901	8.8669	29.672	2126.7	.08999	45.706	13.558	92.793	.15878	33.157	16.024	23.813
#1	-.05825	.00225	.08118	.00041	-.00025	250.55	.00009	.00093	.00210	4.9251	.00150	-.00500	.02919
#2	.00127	.00160	.07160	.00027	.00022	250.23	.00018	.00112	.00044	4.9362	.00242	-.00398	.02078
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05346**	**-.00032**	**.00046**	**4.8374**	**-.00554**	**.00083**	**10.103**	**.00065**	**.00194**	**.01736**
Stddev	.01273	.00022	.00015	.0331	.00003	.00212	.115	.00016	.00007	.00486
%RSD	23.813	67.978	31.982	.68493	.56580	256.80	1.1390	24.753	3.6161	27.991
#1	.06246	-.00047	.00056	4.8608	-.00556	-.00067	10.184	.00076	.00199	.01392
#2	.04446	-.00017	.00035	4.8140	-.00552	.00233	10.021	.00053	.00189	.02079
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7876.9**	**97538.**	**8376.5**
Stddev	6.7	162.	27.5
%RSD	.08559	.16637	.32847
#1	7881.7	97423.	8395.9
#2	7872.2	97653.	8357.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:58:59 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49458**	**.51953**	**.98315**	**.49723**	**.50284**	**.49801**	**-.00003**	**5.0215**	**.49864**	**.50519**	**.49944**	**.50346**	**2.4524**
Stddev	.00075	.00458	.00087	.00234	.00087	.00150	.00215	.0085	.00103	.00030	.00020	.00211	.0000
%RSD	.15130	.88143	.08873	.47020	.17317	.30182	7775.9	.17013	.20646	.05841	.04093	.41906	.00169
#1	.49405	.52277	.98253	.49557	.50346	.49907	-.00154	5.0275	.49791	.50498	.49959	.50197	2.4525
#2	.49511	.51629	.98377	.49888	.50223	.49695	.00149	5.0154	.49936	.50540	.49930	.50495	2.4524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.435**	**.99716**	**19.673**	**.49921**	**.50165**	**5.1930**	**.50548**	**.98307**	**1.0202**	**.00083**	**1.0031**	**.97968**	**4.9077**
Stddev	.015	.00431	.062	.00158	.00047	.0002	.00066	.00024	.0015	.00450	.0028	.00081	.0049
%RSD	.02993	.43241	.31376	.31656	.09367	.00444	.13133	.02461	.14337	545.18	.28055	.08255	.10020
#1	50.445	1.0002	19.630	.49809	.50131	5.1931	.50501	.98324	1.0212	.00401	1.0051	.98025	4.9042
#2	50.424	.99411	19.717	.50033	.50198	5.1928	.50595	.98290	1.0192	-.00236	1.0012	.97910	4.9112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.502**	**1.0021**	**.50017**	**-.00429**	**.49991**	**1.0259**	**.01869**	**.50054**	**.49775**	**.49696**
Stddev	.011	.0029	.00049	.00074	.00166	.0010	.03262	.00189	.00272	.00084
%RSD	.10020	.29359	.09772	17.330	.33237	.09894	174.53	.37810	.54724	.16925
#1	10.495	1.0041	.50052	-.00377	.49874	1.0266	.04176	.49921	.49583	.49636
#2	10.510	.99999	.49983	-.00482	.50109	1.0252	-.00438	.50188	.49968	.49755
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.9**	**101440.**	**8472.7**
Stddev	6.1	670.	63.4
%RSD	.07578	.66075	.74875
#1	8068.2	101910.	8427.8
#2	8059.6	100960.	8517.6

Sample Name: CCB Acquired: 11/8/2013 17:01:07 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00272**	**-.00020**	**.00295**	**.00028**	**.00018**	**-.00039**	**.00366**	**.00015**	**-.00002**	**.00005**	**.00000**	**.00550**
Stddev	.00055	.00029	.00066	.00001	.00004	.00001	.00111	.00330	.00006	.00018	.00002	.00041	.00078
%RSD	254.49	10.600	322.25	.19790	12.707	7.6343	282.21	90.196	38.608	985.43	36.286	30084.	14.139
#1	.00017	.00292	-.00067	.00294	.00026	.00017	.00039	.00133	.00011	-.00015	.00003	.00029	.00495
#2	-.00061	.00251	.00026	.00295	.00031	.00019	-.00118	.00600	.00019	.00011	.00006	-.00029	.00605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03747**	**.00124**	**.00313**	**.00001**	**.00042**	**.04195**	**-.00001**	**-.00016**	**.00038**	**.00215**	F **.00818**	**.00142**	**.00243**
Stddev	.02683	.00044	.00016	.00007	.00019	.00865	.00033	.00194	.00042	.00008	.00037	.00028	.01486
%RSD	71.598	35.840	5.1074	827.72	44.257	20.615	2565.3	1185.2	112.21	3.8903	4.4618	19.504	611.10
#1	.05644	.00156	.00325	-.00004	.00029	.04806	-.00025	.00121	.00067	.00209	.00844	.00161	.01294
#2	.01850	.00093	.00302	.00006	.00056	.03583	.00022	-.00153	.00008	.00221	.00793	.00122	-.00807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.00012**	**.00005**	**.00032**	**.00041**	**.00010**	**.00219**	**.00019**	**.00362**	**.00050**
Stddev	.03180	.00009	.00002	.00109	.00002	.00025	.00605	.00062	.00002	.00090
%RSD	611.10	77.910	32.316	344.68	3.9858	259.52	275.65	320.30	.55005	181.19
#1	.02769	.00018	.00007	-.00045	.00040	.00027	.00647	.00063	.00361	-.00014
#2	-.01728	.00005	.00004	.00109	.00042	-.00008	-.00208	-.00025	.00364	.00113
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8010.7**	**102390.**	**8314.0**
Stddev	30.2	467.	15.9
%RSD	.37648	.45562	.19150
#1	7989.4	102720.	8325.2
#2	8032.1	102060.	8302.7

Sample Name: CCVL-2367586 Acquired: 11/8/2013 17:03:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00971**	**.10908**	**.01824**	**.09815**	**.01014**	**.00113**	**.12118**	**.21047**	**.00532**	**.01056**	**.01066**	**.01554**	**.10457**
Stddev	.00026	.00049	.00063	.00022	.00004	.00009	.00071	.00419	.00020	.00003	.00011	.00003	.00099
%RSD	2.7002	.45181	3.4466	.22853	.41885	7.6068	.58498	1.9924	3.6923	.32509	.98924	.17764	.95004
#1	.00953	.10943	.01869	.09799	.01011	.00107	.12168	.20751	.00546	.01058	.01059	.01553	.10527
#2	.00990	.10873	.01780	.09831	.01017	.00119	.12068	.21344	.00518	.01053	.01074	.01556	.10387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0738**	**.00839**	**.20841**	**.01040**	**.02004**	**1.0821**	**.04214**	**2.8621**	**.00991**	**.00483**	**.01201**	**.01668**	**.48903**
Stddev	.1045	.00019	.00069	.00016	.00032	.0119	.00030	.0053	.00149	.00023	.00103	.00027	.00251
%RSD	3.4008	2.2404	.32972	1.5033	1.5797	1.0960	.72351	.18606	15.053	4.8200	8.5677	1.6151	.51291
#1	3.1477	.00852	.20890	.01029	.01981	1.0905	.04193	2.8583	.01097	.00499	.01128	.01688	.48725
#2	2.9999	.00825	.20793	.01051	.02026	1.0737	.04236	2.8659	.00886	.00466	.01273	.01649	.49080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0465**	**.10274**	**.01029**	**.01362**	**.01032**	**.01626**	F **.08033**	**.01010**	F **.02628**	**.01739**
Stddev	.0054	.00095	.00002	.00011	.00050	.00218	.00527	.00033	.00011	.00006
%RSD	.51291	.92543	.20629	.81108	4.8879	13.437	6.5635	3.3115	.43735	.36840
#1	1.0427	.10206	.01028	.01370	.00996	.01471	.08406	.01034	.02620	.01735
#2	1.0503	.10341	.01031	.01355	.01068	.01780	.07661	.00987	.02636	.01744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.4**	**103580.**	**8454.6**
Stddev	1.1	50.	1.8
%RSD	.01375	.04805	.02071
#1	8140.2	103620.	8455.8
#2	8138.6	103550.	8453.4

Sample Name: 280-48662-e-4-a Acquired: 11/8/2013 17:05:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.02057**	**.00170**	**.50693**	**.01240**	**.00010**	**.00007**	**77.354**	**.00040**	**-.00047**
Stddev	.00028	.00008	.00227	.00094	.00021	.00005	.00277	.278	.00012	.00010
%RSD	407.75	.40950	133.49	.18506	1.6625	47.553	3813.9	.35923	29.737	21.038
#1	-.00026	.02051	.00331	.50760	.01225	.00013	.00203	77.157	.00049	-.00054
#2	.00013	.02063	.00010	.50627	.01255	.00007	-.00188	77.550	.00032	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00186**	**.01494**	**1.1826**	**.10555**	**15.703**	**.00603**	**.00520**	W **536.79**	**.00026**
Stddev	.00032	.00081	.00117	.0308	.00221	.077	.00007	.00022	2.43	.00034
%RSD	55.818	43.460	7.8422	2.6039	2.0929	.49185	1.1530	4.3133	.45219	128.71
#1	.00080	.00244	.01576	1.1608	.10711	15.649	.00598	.00504	535.08	.00050
#2	.00035	.00129	.01411	1.2044	.10399	15.758	.00608	.00536	538.51	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04072**	**.00012**	F **253.87**	**.00120**	**.01012**	**3.7027**	**7.9237**	**-.00026**	**4.7193**	**-.00159**
Stddev	.00046	.00186	.09	.00209	.00088	.0123	.0264	.00107	.0007	.00215
%RSD	1.1328	1553.4	.03381	175.15	8.7408	.33311	.33311	406.19	.01488	135.35
#1	.04105	-.00120	253.93	-.00029	.00949	3.7114	7.9424	-.00102	4.7188	-.00007
#2	.04039	.00144	253.81	.00268	.01075	3.6939	7.9050	.00049	4.7198	-.00310
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00042**	**.03216**	**.00720**	**.01611**	**.00194**
Stddev	.00010	.00043	.01407	.00049	.00060	.00099
%RSD	31.390	102.84	43.746	6.7492	3.7102	50.827
#1	.00025	.00072	.02221	.00685	.01653	.00124
#2	.00040	.00011	.04211	.00754	.01569	.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7484.0**	**92879.**	**8436.2**
Stddev	12.2	788.	102.0
%RSD	.16340	.84856	1.2093
#1	7492.7	93436.	8508.4
#2	7475.4	92322.	8364.1

Sample Name: 280-48662-e-4-aSD@5 Acquired: 11/8/2013 17:08:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.01270**	**.00442**	**.10498**	**.00255**	**.00009**	**-.00157**	**15.544**	**.00015**	**-.00013**
Stddev	.00015	.00035	.00152	.00087	.00010	.00002	.00389	.037	.00002	.00012
%RSD	435.26	2.7359	34.380	.82927	4.0782	26.334	247.97	.23877	15.805	96.580
#1	.00007	.01295	.00334	.10560	.00262	.00007	.00118	15.518	.00016	-.00004
#2	-.00014	.01245	.00549	.10437	.00247	.00011	-.00432	15.570	.00013	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00019**	**.02087**	**.33058**	**.02051**	**3.1914**	**.00140**	**.00127**	**107.49**	**.00025**
Stddev	.00001	.00005	.00159	.01912	.00020	.0102	.00001	.00028	.08	.00071
%RSD	8.0023	24.014	7.6134	5.7833	.96095	.31902	.98390	21.817	.07417	283.03
#1	.00017	.00022	.02199	.34409	.02065	3.1842	.00139	.00147	107.55	.00076
#2	.00019	.00016	.01975	.31706	.02037	3.1986	.00141	.00108	107.44	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00870**	**.00077**	**49.466**	**.00046**	**.00329**	**.74096**	**1.5857**	**.00153**	**.94658**	**-.00042**
Stddev	.00147	.00006	.072	.00156	.00561	.01503	.0322	.00006	.00187	.00141
%RSD	16.854	7.7063	.14629	338.15	170.41	2.0279	2.0279	3.7529	.19707	335.69
#1	.00766	.00081	49.517	-.00064	-.00068	.73034	1.5629	.00149	.94526	-.00142
#2	.00974	.00073	49.414	.00156	.00726	.75159	1.6084	.00157	.94790	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00160**	**.00019**	**.00155**	**.00939**	**-.00251**
Stddev	.00015	.00025	.01006	.00053	.00055	.00138
%RSD	63.790	15.864	5192.1	34.131	5.8509	55.004
#1	.00013	.00142	.00731	.00118	.00978	-.00154
#2	.00034	.00178	-.00692	.00193	.00900	-.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7781.2**	**97554.**	**8192.7**
Stddev	21.9	369.	50.8
%RSD	.28124	.37789	.62061
#1	7796.7	97815.	8228.7
#2	7765.7	97294.	8156.8

Sample Name: 280-48662-e-4-b ms Acquired: 11/8/2013 17:10:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05038**	**1.9446**	**1.0322**	**1.4629**	**2.0941**	**.05132**	F **2.2218**	**128.15**	**.10528**	**.49961**
Stddev	.00043	.0024	.0024	.0055	.0088	.00017	.0054	.45	.00023	.00063
%RSD	.84468	.12063	.23566	.37724	.42036	.33675	.24391	.34787	.21869	.12649
#1	.05008	1.9463	1.0339	1.4590	2.0878	.05119	2.2180	127.83	.10512	.50006
#2	.05068	1.9429	1.0304	1.4668	2.1003	.05144	2.2256	128.46	.10544	.49917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20358**	**.25873**	**1.0356**	**55.371**	**1.1447**	**64.899**	**.51566**	**1.0312**	W **592.15**	**.49962**
Stddev	.00009	.00029	.0062	.121	.0029	.015	.00104	.0005	3.16	.00130
%RSD	.04568	.11109	.59689	.21938	.25147	.02242	.20220	.05225	.53280	.25940
#1	.20365	.25852	1.0313	55.285	1.1427	64.888	.51493	1.0308	589.92	.49870
#2	.20351	.25893	1.0400	55.456	1.1468	64.909	.51640	1.0316	594.38	.50053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.600**	**.48032**	F **253.24**	**.49707**	**2.0026**	**14.073**	**30.117**	**1.9755**	W **5.7787**	**1.0434**
Stddev	.028	.00129	.32	.00223	.0079	.075	.160	.0056	.0109	.0064
%RSD	.26476	.26946	.12729	.44908	.39538	.53245	.53245	.28143	.18850	.61122
#1	10.580	.47941	253.01	.49549	1.9970	14.020	30.003	1.9715	5.7864	1.0389
#2	10.620	.48124	253.47	.49865	2.0082	14.126	30.230	1.9794	5.7710	1.0479
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0445**	**1.8087**	**2.2213**	**.53824**	**.53107**	**.52195**
Stddev	.0012	.0060	.0430	.00145	.00185	.00691
%RSD	.11261	.33195	1.9382	.26968	.34917	1.3233
#1	1.0436	1.8044	2.2518	.53721	.52976	.51706
#2	1.0453	1.8129	2.1909	.53926	.53238	.52683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7349.6**	**90924.**	**8091.2**
Stddev	20.3	206.	21.9
%RSD	.27581	.22687	.27049
#1	7335.2	91070.	8106.7
#2	7363.9	90778.	8075.7

Sample Name: 280-48662-e-4-c msd Acquired: 11/8/2013 17:12:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04905**	**1.9238**	**1.0247**	**1.4601**	**2.0588**	**.05050**	F **2.1952**	**127.13**	**.10449**	**.49446**
Stddev	.00002	.0008	.0060	.0003	.0000	.00033	.0051	.33	.00030	.00032
%RSD	.03506	.04035	.58819	.01999	.00155	.66020	.23107	.26082	.28989	.06510
#1	.04907	1.9233	1.0205	1.4599	2.0588	.05027	2.1988	126.90	.10428	.49469
#2	.04904	1.9244	1.0290	1.4603	2.0588	.05074	2.1917	127.37	.10470	.49424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20168**	**.25727**	**1.0016**	**54.691**	**1.1288**	**64.666**	**.51063**	**1.0256**	W **590.84**	**.49444**
Stddev	.00017	.00157	.0034	.206	.0008	.228	.00127	.0011	.20	.00025
%RSD	.08671	.61028	.33500	.37750	.07433	.35243	.24965	.10679	.03395	.04998
#1	.20180	.25838	.99918	54.545	1.1293	64.828	.51154	1.0263	590.98	.49461
#2	.20156	.25616	1.0039	54.837	1.1282	64.505	.50973	1.0248	590.70	.49426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.505**	**.47568**	F **254.05**	**.49671**	**1.9866**	**13.905**	**29.757**	**1.9691**	W **5.8068**	**1.0372**
Stddev	.006	.00021	.36	.00057	.0032	.174	.372	.0002	.0588	.0077
%RSD	.05704	.04437	.14118	.11431	.16313	1.2498	1.2498	.00881	1.0127	.73807
#1	10.509	.47583	254.31	.49711	1.9889	13.782	29.494	1.9693	5.7652	1.0426
#2	10.501	.47553	253.80	.49631	1.9843	14.028	30.020	1.9690	5.8484	1.0318
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0397**	**1.7948**	**2.1807**	**.53429**	**.52570**	**.51520**
Stddev	.0013	.0042	.0546	.00149	.00044	.00169
%RSD	.12112	.23502	2.5022	.27929	.08352	.32897
#1	1.0406	1.7978	2.2192	.53535	.52539	.51400
#2	1.0388	1.7918	2.1421	.53324	.52601	.51640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7323.5**	**90589.**	**8076.9**
Stddev	20.6	575.	42.3
%RSD	.28071	.63444	.52324
#1	7338.0	90182.	8047.0
#2	7309.0	90995.	8106.8

Sample Name: 280-48662-e-4-aPDS Acquired: 11/8/2013 17:15:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05087**	**.98909**	**.20636**	**.59298**	**.11425**	**.05085**	**-.00482**	**96.050**	**.05123**	**.04963**
Stddev	.00051	.00079	.00400	.00173	.00002	.00045	.00164	.144	.00013	.00044
%RSD	1.0069	.07962	1.9368	.29191	.01399	.89035	34.048	.14955	.24616	.88169
#1	.05051	.98853	.20919	.59176	.11426	.05053	-.00366	95.949	.05132	.04932
#2	.05124	.98965	.20354	.59421	.11424	.05117	-.00599	96.152	.05114	.04994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05079**	**.05340**	**.99963**	**22.798**	**.20427**	**34.890**	**.05697**	**.05709**	W **547.59**	**.05011**
Stddev	.00029	.00053	.00047	.081	.00152	.006	.00003	.00063	1.39	.00018
%RSD	.56114	1.0002	.04661	.35310	.74640	.01680	.04785	1.0951	.25442	.36637
#1	.05059	.05378	.99996	22.741	.20319	34.886	.05695	.05665	546.61	.04998
#2	.05100	.05303	.99930	22.855	.20534	34.894	.05699	.05754	548.58	.05024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1707**	**.09518**	F **247.69**	**.10022**	**.20452**	**8.7565**	**18.739**	**.09802**	**4.7065**	**.20835**
Stddev	.0030	.00047	.09	.00336	.00326	.0337	.072	.00038	.0067	.00093
%RSD	.13728	.49401	.03472	3.3549	1.5939	.38528	.38528	.39016	.14198	.44752
#1	2.1686	.09552	247.63	.09785	.20222	8.7327	18.688	.09775	4.7017	.20901
#2	2.1729	.09485	247.75	.10260	.20683	8.7804	18.790	.09830	4.7112	.20769
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05253**	**.18239**	**.56258**	**.06074**	**.22644**	**.05001**
Stddev	.00010	.00085	.02276	.00018	.00060	.00184
%RSD	.19016	.46706	4.0455	.29244	.26382	3.6845
#1	.05246	.18178	.57868	.06086	.22602	.04870
#2	.05261	.18299	.54649	.06061	.22687	.05131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7446.6**	**91013.**	**8094.6**
Stddev	2.3	173.	56.0
%RSD	.03055	.18993	.69194
#1	7448.2	91135.	8055.0
#2	7444.9	90890.	8134.2

Sample Name: 280-48662-e-4-a@5 Acquired: 11/8/2013 17:17:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.01683**	**.00204**	**.10776**	**.00333**	**.00005**	**.00156**	**15.711**	**.00004**	**-.00002**
Stddev	.00016	.00020	.00281	.00095	.00033	.00003	.00315	.135	.00008	.00026
%RSD	42.430	1.2020	137.48	.88566	9.8675	49.956	202.09	.86121	200.93	1077.8
#1	-.00026	.01668	.00402	.10844	.00356	.00004	-.00067	15.806	.00010	-.00021
#2	-.00048	.01697	.00006	.10709	.00309	.00007	.00379	15.615	-.00002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00072**	**.02287**	**.46658**	**.02138**	**3.2496**	**.00145**	**.00112**	**108.71**	**.00021**
Stddev	.00002	.00017	.00446	.03722	.00131	.0111	.00001	.00024	.37	.00022
%RSD	6.7182	23.306	19.488	7.9764	6.1182	.34182	.62911	21.247	.34315	104.43
#1	.00025	.00060	.01972	.49290	.02231	3.2575	.00145	.00095	108.98	.00036
#2	.00027	.00084	.02602	.44027	.02046	3.2418	.00144	.00128	108.45	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00777**	**.00006**	**49.830**	**-.00098**	**-.00187**	**.74908**	**1.6030**	**.00177**	**.95445**	**-.00013**
Stddev	.00152	.00058	.021	.00015	.00049	.01152	.0247	.00032	.00644	.00015
%RSD	19.562	995.81	.04156	15.211	26.187	1.5384	1.5384	18.296	.67516	113.58
#1	.00670	-.00035	49.816	-.00108	-.00152	.75723	1.6205	.00154	.95900	-.00024
#2	.00885	.00047	49.845	-.00087	-.00222	.74093	1.5856	.00200	.94989	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00098**	**-.00026**	**.00118**	**.00869**	**.00062**
Stddev	.00041	.00094	.02766	.00006	.00031	.00047
%RSD	277.30	95.204	10575.	5.3350	3.5684	75.316
#1	.00044	.00032	-.01982	.00114	.00891	.00029
#2	-.00014	.00165	.01929	.00123	.00847	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7741.5**	**96830.**	**8119.5**
Stddev	7.0	117.	57.5
%RSD	.09015	.12058	.70869
#1	7746.4	96747.	8078.8
#2	7736.5	96912.	8160.2

Sample Name: 48662-e-4-aSD@25 Acquired: 11/8/2013 17:19:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01997**	**.00106**	**.02440**	**.00089**	**.00011**	**.00144**	**3.1743**	**.00014**	**.00012**
Stddev	.00013	.00024	.00076	.00091	.00056	.00003	.00041	.0133	.00012	.00006
%RSD	33.397	1.2220	71.359	3.7145	62.976	27.408	28.124	.41790	86.601	51.289
#1	-.00030	.02014	.00053	.02504	.00049	.00013	.00173	3.1649	.00022	.00008
#2	-.00048	.01980	.00160	.02376	.00128	.00009	.00115	3.1836	.00005	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00009**	**.02350**	**.19767**	**.00295**	**.66375**	**.00047**	**.00045**	**22.049**	**.00014**
Stddev	.00012	.00004	.00084	.03231	.00097	.00104	.00004	.00009	.011	.00017
%RSD	47.439	44.203	3.5701	16.344	32.849	.15695	8.2804	20.373	.05083	124.93
#1	.00016	.00012	.02410	.17483	.00226	.66301	.00049	.00051	22.057	.00026
#2	.00033	.00006	.02291	.22051	.00363	.66448	.00044	.00038	22.041	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00107**	**9.7699**	**.00001**	**.00401**	**.14893**	**.31871**	**.00270**	**.18992**	**-.00038**
Stddev	.00033	.00074	.1072	.00168	.00007	.00009	.00018	.00002	.00020	.00100
%RSD	21.482	69.812	1.0977	12710.	1.7818	.05768	.05768	.66133	.10496	266.45
#1	.00129	.00159	9.8458	-.00117	.00406	.14887	.31858	.00269	.18978	-.00108
#2	.00175	.00054	9.6941	.00120	.00396	.14899	.31884	.00272	.19007	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00030**	**-.00820**	**.00011**	**.01343**	**-.00015**
Stddev	.00005	.00011	.05450	.00020	.00033	.00255
%RSD	26.098	36.522	664.36	189.75	2.4478	1661.7
#1	-.00023	.00022	.03033	-.00004	.01366	-.00196
#2	-.00016	.00038	-.04674	.00025	.01320	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7871.0**	**99418.**	**8136.7**
Stddev	8.5	266.	31.7
%RSD	.10771	.26785	.38992
#1	7865.0	99230.	8114.3
#2	7877.0	99606.	8159.1

Sample Name: 48662-e-4-b ms@5 Acquired: 11/8/2013 17:22:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.43621**	**.20039**	**.30118**	**.41412**	**.01029**	F **.45410**	**25.634**	**.02099**	**.10254**
Stddev	.00031	.00061	.00219	.00006	.00128	.00021	.00130	.176	.00016	.00028
%RSD	3.2401	.14034	1.0904	.02049	.30932	2.0733	.28556	.68772	.74538	.27005
#1	.00983	.43577	.20194	.30123	.41321	.01014	.45501	25.510	.02088	.10274
#2	.00939	.43664	.19885	.30114	.41502	.01044	.45318	25.759	.02110	.10235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04104**	**.05202**	**.22710**	**10.830**	**.22420**	**13.067**	**.10362**	**.20722**	**117.47**	**.10214**
Stddev	.00009	.00012	.00084	.143	.00268	.002	.00006	.00090	.61	.00079
%RSD	.22866	.22120	.37135	1.3202	1.1953	.01425	.05514	.43612	.51530	.77248
#1	.04111	.05194	.22650	10.729	.22231	13.068	.10366	.20786	117.04	.10270
#2	.04098	.05210	.22770	10.931	.22610	13.065	.10358	.20658	117.89	.10159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0660**	**.10077**	**49.173**	**.10117**	**.39192**	**2.7446**	**5.8735**	**.40587**	**1.1490**	**.20641**
Stddev	.0098	.00136	.046	.00068	.00124	.0160	.0342	.00297	.0050	.00235
%RSD	.47310	1.3477	.09423	.66945	.31633	.58267	.58267	.73138	.43622	1.1362
#1	2.0729	.10173	49.140	.10069	.39280	2.7333	5.8493	.40797	1.1455	.20806
#2	2.0591	.09981	49.206	.10165	.39104	2.7559	5.8977	.40377	1.1526	.20475
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20652**	**.39409**	**.42176**	**.10656**	**.11253**	**.10196**
Stddev	.00077	.00078	.00096	.00044	.00023	.00254
%RSD	.37505	.19691	.22734	.41325	.20139	2.4889
#1	.20597	.39463	.42244	.10625	.11269	.10017
#2	.20707	.39354	.42109	.10687	.11237	.10375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.6**	**96047.**	**8047.7**
Stddev	4.1	223.	16.6
%RSD	.05285	.23216	.20655
#1	7727.7	95889.	8059.4
#2	7733.5	96204.	8035.9

Sample Name: 48662-e-4-c msd@5 Acquired: 11/8/2013 17:24:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00895**	**.44291**	**.19655**	**.30282**	**.41025**	**.01028**	F **.45114**	**25.563**	**.02094**	**.10214**
Stddev	.00012	.00081	.00392	.00009	.00205	.00003	.00409	.087	.00010	.00018
%RSD	1.3246	.18220	1.9947	.02946	.50044	.29301	.90697	.34201	.45744	.17733
#1	.00886	.44348	.19378	.30289	.41170	.01030	.44824	25.625	.02087	.10227
#2	.00903	.44234	.19932	.30276	.40880	.01026	.45403	25.502	.02101	.10201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04086**	**.05255**	**.22352**	**10.585**	**.22463**	**13.009**	**.10374**	**.20654**	**117.82**	**.10155**
Stddev	.00015	.00011	.00231	.023	.00104	.021	.00038	.00040	.11	.00006
%RSD	.35947	.21516	1.0356	.22079	.46393	.16200	.36955	.19158	.09006	.05963
#1	.04076	.05263	.22516	10.602	.22536	12.994	.10347	.20682	117.74	.10159
#2	.04096	.05247	.22189	10.569	.22389	13.024	.10401	.20626	117.89	.10150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0592**	**.09949**	**49.526**	**.09780**	**.39032**	**2.7561**	**5.8982**	**.40463**	**1.1508**	**.20572**
Stddev	.0031	.00022	.009	.00028	.00236	.0120	.0258	.00012	.0039	.00011
%RSD	.15167	.22062	.01804	.29086	.60549	.43697	.43697	.02928	.33821	.05260
#1	2.0570	.09965	49.520	.09801	.38865	2.7476	5.8799	.40472	1.1535	.20565
#2	2.0614	.09934	49.532	.09760	.39199	2.7647	5.9164	.40455	1.1480	.20580
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20801**	**.39277**	**.46274**	**.10713**	**.11253**	**.10263**
Stddev	.00031	.00156	.00689	.00049	.00043	.00346
%RSD	.14769	.39605	1.4895	.45324	.38201	3.3688
#1	.20779	.39387	.46761	.10679	.11284	.10508
#2	.20822	.39167	.45786	.10747	.11223	.10019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7725.4**	**95534.**	**8125.0**
Stddev	4.8	376.	25.8
%RSD	.06272	.39332	.31706
#1	7728.9	95799.	8143.3
#2	7722.0	95268.	8106.8

Sample Name: 48662-e-4-aPDS@5 Acquired: 11/8/2013 17:26:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04941	1.0283	.20179	.20156	.10583	.05052	.00047	35.473	.05137	.05087
Stddev	.00097	.0009	.00092	.00097	.00038	.00012	.00081	.127	.00049	.00067
%RSD	1.9636	.08537	.45560	.48319	.35463	.24306	173.42	.35735	.96006	1.3262
#1	.05010	1.0289	.20114	.20225	.10609	.05061	.00104	35.563	.05172	.05135
#2	.04872	1.0276	.20244	.20087	.10556	.05043	-.00011	35.384	.05102	.05040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05138	.05183	1.1841	21.104	.12210	22.809	.05376	.05239	126.68	.05088
Stddev	.00038	.00019	.0136	.099	.00136	.104	.00025	.00060	.97	.00062
%RSD	.74896	.37131	1.1444	.46959	1.1132	.45553	.46922	1.1508	.76897	1.2144
#1	.05165	.05170	1.1745	21.174	.12114	22.882	.05394	.05282	127.37	.05131
#2	.05111	.05197	1.1937	21.033	.12306	22.735	.05358	.05197	125.99	.05044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0797	.10023	48.844	.10270	.19371	5.7079	12.215	.10420	.98166	.20696
Stddev	.0104	.00060	.039	.00222	.00348	.0553	.118	.00093	.00482	.00088
%RSD	.49886	.59441	.08020	2.1650	1.7958	.96831	.96831	.88903	.49121	.42316
#1	2.0871	.10065	48.872	.10113	.19617	5.6688	12.131	.10485	.98507	.20634
#2	2.0724	.09981	48.817	.10428	.19125	5.7469	12.298	.10354	.97825	.20758
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05403	.19791	.49233	.05410	.22257	.05251
Stddev	.00252	.00000	.02698	.00040	.00108	.00229
%RSD	4.6725	.00065	5.4808	.74049	.48641	4.3644
#1	.05582	.19791	.51141	.05438	.22334	.05089
#2	.05225	.19791	.47325	.05381	.22181	.05413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7636.1	95115.	8035.5
Stddev	14.5	630.	85.1
%RSD	.18962	.66245	1.0595
#1	7625.9	94670.	7975.3
#2	7646.3	95561.	8095.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 17:28:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**51.232**	**.00257**	**.00719**	**.00016**	**.00008**	**.98967**	**.01352**	**-.00007**	**-.00074**	**-.00012**	**.00693**	**49.502**
Stddev	.00005	.240	.00020	.00027	.00019	.00010	.00341	.00392	.00005	.00012	.00013	.00107	.009
%RSD	1.5512	.46812	7.8674	3.7394	118.24	125.83	.34460	28.979	63.944	16.429	109.74	15.367	.01859
#1	.00316	51.062	.00243	.00700	.00030	.00001	.98726	.01629	-.00010	-.00083	-.00021	.00618	49.495
#2	.00310	51.401	.00272	.00738	.00003	.00015	.99208	.01075	-.00004	-.00065	-.00003	.00768	49.508
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16140**	**-.00036**	**.08288**	**.00022**	**-.00039**	**255.17**	**-.00006**	**.00163**	**.00120**	**4.9860**	**.00392**	**.00170**	**.03588**
Stddev	.00315	.00322	.00153	.00008	.00001	.18	.00000	.00064	.00001	.0003	.00324	.00534	.00888
%RSD	1.9497	894.34	1.8438	37.498	1.3481	.07064	.98365	39.067	1.2322	.00537	82.598	313.21	24.758
#1	.15917	.00192	.08180	.00016	-.00038	255.05	-.00006	.00118	.00121	4.9861	.00163	.00548	.02960
#2	.16362	-.00264	.08396	.00028	-.00039	255.30	-.00006	.00209	.00119	4.9858	.00621	-.00207	.04217
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07679**	**-.00041**	**.00071**	**4.8180**	**-.00535**	**.00197**	**10.126**	**.00054**	**.00162**	**.01588**
Stddev	.01901	.00005	.00009	.0379	.00010	.00067	.019	.00015	.00048	.00086
%RSD	24.758	12.244	12.759	.78654	1.9068	33.844	.18681	28.349	29.385	5.4199
#1	.06335	-.00044	.00078	4.7912	-.00542	.00244	10.112	.00043	.00195	.01648
#2	.09023	-.00037	.00065	4.8448	-.00528	.00150	10.139	.00064	.00128	.01527
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7634.3**	**95674.**	**7925.3**
Stddev	4.7	322.	6.2
%RSD	.06197	.33628	.07783
#1	7637.6	95902.	7920.9
#2	7631.0	95447.	7929.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 17:31:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49556**	**.52116**	**.99074**	**.50133**	**.50784**	**.50337**	**.00061**	**5.0875**	**.50133**	**.50882**	**.50102**	**.50534**	**2.4894**
Stddev	.00129	.00154	.00323	.00081	.00037	.00057	.00172	.0046	.00032	.00118	.00017	.00206	.0053
%RSD	.26082	.29581	.32594	.16095	.07367	.11406	283.71	.09095	.06382	.23188	.03456	.40673	.21137
#1	.49464	.52225	.99302	.50190	.50811	.50378	.00183	5.0908	.50111	.50965	.50090	.50389	2.4856
#2	.49647	.52007	.98846	.50076	.50758	.50296	-.00061	5.0843	.50156	.50799	.50115	.50680	2.4931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.150**	**1.0089**	**19.786**	**.50319**	**.50328**	**5.4860**	**.50817**	**.98833**	**1.0288**	**.02086**	**1.0079**	**.98500**	**5.0603**
Stddev	.089	.0077	.023	.00001	.00233	.0032	.00025	.00408	.0060	.00097	.0027	.00026	.0089
%RSD	.17413	.76334	.11391	.00255	.46391	.05819	.04841	.41253	.57855	4.6671	.26899	.02599	.17632
#1	51.087	1.0143	19.770	.50318	.50493	5.4882	.50834	.99121	1.0330	.02017	1.0098	.98518	5.0666
#2	51.213	1.0034	19.802	.50320	.50163	5.4837	.50800	.98544	1.0246	.02155	1.0060	.98481	5.0539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.829**	**1.0041**	**.50493**	**-.00272**	**.50423**	**1.0325**	**-.04775**	**.50558**	**.50470**	**.50917**
Stddev	.019	.0080	.00021	.00010	.00110	.0053	.02179	.00102	.00228	.00225
%RSD	.17632	.79469	.04251	3.8127	.21823	.51572	45.624	.20134	.45115	.44204
#1	10.842	1.0098	.50508	-.00265	.50345	1.0362	-.03235	.50486	.50309	.50758
#2	10.815	.99847	.50478	-.00279	.50501	1.0287	-.06316	.50630	.50631	.51076
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7863.1**	**98705.**	**8064.1**
Stddev	14.9	500.	37.1
%RSD	.18893	.50672	.45998
#1	7852.6	99059.	8090.3
#2	7873.6	98352.	8037.9

Sample Name: CCB Acquired: 11/8/2013 17:33:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00424**	**.00204**	**.00272**	**.00017**	**.00017**	**.00076**	**.00366**	**.00022**	**-.00012**	**.00014**	**-.00028**
Stddev	.00011	.00192	.00127	.00018	.00011	.00000	.00070	.00024	.00004	.00004	.00015	.00021
%RSD	20.033	45.409	62.132	6.7772	68.258	2.3424	92.524	6.6854	19.711	31.603	110.65	74.248
#1	-.00046	.00560	.00294	.00259	.00009	.00017	.00125	.00349	.00019	-.00015	.00025	-.00013
#2	-.00062	.00288	.00114	.00285	.00025	.00016	.00026	.00383	.00025	-.00010	.00003	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00688**	**.10921**	**.00078**	**.00406**	**.00005**	**.00050**	W **.14024**	**-.00030**	**.00108**	**.00055**	**.02273**	F **.00814**
Stddev	.00001	.02192	.00050	.00017	.00015	.00017	.00837	.00014	.00070	.00012	.00002	.00102
%RSD	.10967	20.073	64.023	4.1079	316.10	34.719	5.9694	46.632	64.453	21.360	.09944	12.518
#1	.00687	.09371	.00043	.00418	-.00006	.00038	.14616	-.00040	.00158	.00047	.02274	.00742
#2	.00688	.12471	.00113	.00394	.00015	.00062	.13432	-.00020	.00059	.00063	.02271	.00886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**.00331**	**.00708**	**.00032**	**.00005**	**.00121**	**.00012**	**.00021**	**-.02946**	**.00003**	**.00354**	**.00111**
Stddev	.00049	.00261	.00559	.00019	.00014	.00078	.00012	.00061	.02319	.00044	.00019	.00005
%RSD	13.810	78.937	78.937	59.406	273.15	64.748	102.72	291.86	78.709	1267.0	5.5021	4.3050
#1	.00317	.00516	.01104	.00018	-.00005	.00176	.00020	.00064	-.01306	-.00028	.00368	.00108
#2	.00385	.00146	.00313	.00045	.00015	.00065	.00003	-.00022	-.04586	.00035	.00340	.00115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7807.2**	**99173.**	**7987.5**
Stddev	9.4	160.	39.1
%RSD	.12019	.16156	.48894
#1	7813.8	99059.	7959.9
#2	7800.6	99286.	8015.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 17:35:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.11020**	**.01569**	**.09892**	**.01085**	**.00114**	**.12090**	**.21523**	**.00531**	**.01042**	**.01049**	**.01557**	**.10452**	**3.1165**
Stddev	.00038	.00023	.00196	.00017	.00046	.00001	.00211	.00506	.00017	.00007	.00011	.00019	.00308	.0726
%RSD	3.9560	.21218	12.475	.17444	4.2323	.56598	1.7483	2.3527	3.2514	.65764	1.0124	1.1907	2.9490	2.3283
#1	.00989	.11037	.01431	.09880	.01117	.00113	.12239	.21881	.00543	.01037	.01057	.01544	.10670	3.0652
#2	.00936	.11004	.01707	.09904	.01052	.00114	.11940	.21165	.00519	.01047	.01042	.01570	.10235	3.1678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01135**	**.21181**	**.01060**	**.02034**	**1.1814**	**.04230**	**2.8779**	**.00921**	**.01282**	**.01174**	**.01312**	**.50116**	**1.0725**	**.10301**
Stddev	.00100	.00542	.00005	.00007	.0072	.00013	.0010	.00173	.00420	.00105	.00263	.00995	.0213	.00008
%RSD	8.7962	2.5585	.51848	.33210	.61103	.30461	.03405	18.805	32.762	8.9449	20.066	1.9847	1.9847	.08240
#1	.01205	.20798	.01064	.02039	1.1865	.04239	2.8786	.00799	.01579	.01248	.01498	.49412	1.0574	.10295
#2	.01064	.21564	.01056	.02029	1.1763	.04221	2.8772	.01044	.00985	.01099	.01126	.50819	1.0875	.10307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**.01498**	**.01027**	**.01615**	**.07516**	**.01012**	**.02495**	**.01856**
Stddev	.00009	.00037	.00008	.00085	.01899	.00022	.00009	.00080
%RSD	.84870	2.4434	.76874	5.2346	25.265	2.2205	.34434	4.3358
#1	.01035	.01473	.01032	.01675	.06173	.00996	.02489	.01913
#2	.01047	.01524	.01021	.01556	.08858	.01028	.02501	.01799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7914.6**	**100330.**	**8026.0**
Stddev	6.6	238.	81.6
%RSD	.08321	.23692	1.0168
#1	7910.0	100160.	8083.7
#2	7919.3	100490.	7968.2

Sample Name: 280-48662-e-5-a Acquired: 11/8/2013 17:37:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.02977**	**.00008**	**.51239**	**.01257**	**.00011**	**-.00205**	**77.796**	**.00040**	**-.00042**
Stddev	.00018	.00052	.00055	.00203	.00019	.00011	.00174	.141	.00001	.00014
%RSD	16.393	1.7318	680.01	.39643	1.5473	100.24	84.925	.18067	3.1140	33.888
#1	-.00120	.03013	-.00031	.51383	.01243	.00003	-.00082	77.696	.00041	-.00032
#2	-.00095	.02940	.00047	.51095	.01271	.00019	-.00329	77.895	.00039	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00216**	**.01919**	**1.2529**	**.10644**	**15.804**	**.00646**	**.00560**	W **541.41**	**.00027**
Stddev	.00016	.00001	.00127	.0002	.00352	.037	.00005	.00023	1.23	.00014
%RSD	25.672	.28325	6.6127	.01281	3.3077	.23331	.74350	4.0871	.22800	51.221
#1	.00052	.00216	.02008	1.2530	.10395	15.830	.00650	.00544	540.53	.00017
#2	.00074	.00216	.01829	1.2528	.10893	15.777	.00643	.00577	542.28	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04128**	**-.00060**	F **254.44**	**.00045**	**.00860**	**3.7289**	**7.9799**	**-.00040**	**4.7647**	**-.00133**
Stddev	.00007	.00083	.49	.00031	.00089	.0391	.0836	.00034	.0005	.00020
%RSD	.17343	137.30	.19302	69.828	10.360	1.0472	1.0472	85.759	.01074	14.731
#1	.04133	-.00002	254.79	.00023	.00797	3.7013	7.9208	-.00016	4.7644	-.00147
#2	.04123	-.00119	254.10	.00067	.00922	3.7565	8.0390	-.00064	4.7651	-.00119
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00097**	**.04011**	**.00726**	**.01578**	**.00193**
Stddev	.00023	.00028	.00632	.00001	.00011	.00102
%RSD	152.86	28.653	15.764	.14494	.71194	53.132
#1	.00031	.00077	.04459	.00725	.01570	.00265
#2	-.00001	.00116	.03564	.00726	.01586	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7401.7**	**91089.**	**8060.6**
Stddev	21.7	444.	16.4
%RSD	.29296	.48758	.20304
#1	7386.4	91403.	8072.2
#2	7417.1	90775.	8049.0

Sample Name: 280-48662-e-6-a Acquired: 11/8/2013 17:40:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.25101**	**.00076**	**1.3727**	**.01135**	**.00005**	**.00022**	**5.7628**	**.00014**	**-.00024**
Stddev	.00025	.00056	.00213	.0105	.00014	.00004	.00097	.0129	.00017	.00009
%RSD	65.840	.22198	281.98	.76633	1.2273	79.655	441.35	.22432	125.28	39.373
#1	-.00020	.25141	.00227	1.3801	.01125	.00002	.00091	5.7537	.00002	-.00031
#2	-.00056	.25062	-.00075	1.3652	.01145	.00008	-.00047	5.7720	.00026	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00211**	**.12616**	**.93422**	**.28865**	**.66968**	**.01446**	**.02211**	W **549.56**	**.00255**
Stddev	.00015	.00053	.00038	.08331	.00283	.00482	.00001	.00020	2.98	.00039
%RSD	18.030	25.090	.30356	8.9179	.98097	.71999	.09186	.89685	.54310	15.406
#1	.00072	.00248	.12589	.87531	.28664	.67309	.01445	.02225	547.45	.00283
#2	.00093	.00173	.12643	.99313	.29065	.66627	.01447	.02197	551.67	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01470**	**.00055**	F **205.75**	**.00033**	**-.00047**	**4.2339**	**9.0605**	**.00025**	**1.1050**	**-.00278**
Stddev	.00043	.00040	.06	.00058	.00032	.0292	.0625	.00038	.0050	.00175
%RSD	2.9107	73.013	.02972	174.85	68.317	.68991	.68991	154.05	.45626	62.900
#1	.01500	.00027	205.71	-.00008	-.00024	4.2132	9.0163	.00051	1.1014	-.00154
#2	.01439	.00084	205.79	.00074	-.00070	4.2545	9.1047	-.00002	1.1085	-.00401
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00559**	**.00082**	**.01959**	**.00500**	**.03358**	**.00056**
Stddev	.00031	.00070	.00548	.00072	.00019	.00023
%RSD	5.6123	85.875	27.999	14.395	.57816	41.264
#1	.00581	.00032	.02346	.00449	.03344	.00073
#2	.00536	.00131	.01571	.00551	.03371	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7489.6**	**92030.**	**8088.1**
Stddev	32.9	330.	.6
%RSD	.43931	.35833	.00704
#1	7466.3	91797.	8087.7
#2	7512.8	92263.	8088.5

Sample Name: 280-48662-e-7-a Acquired: 11/8/2013 17:42:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01622**	**.00075**	**1.6206**	**.02171**	**.00006**	**-.00048**	**10.277**	**.00027**	**-.00024**
Stddev	.00024	.00111	.00197	.0012	.00017	.00000	.00045	.016	.00025	.00005
%RSD	18.080	6.8736	264.55	.07338	.79465	6.6357	93.680	.15664	94.034	19.701
#1	-.00153	.01543	.00214	1.6198	.02183	.00006	-.00016	10.265	.00044	-.00020
#2	-.00118	.01700	-.00065	1.6214	.02158	.00006	-.00079	10.288	.00009	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00130**	**.10248**	**1.3416**	**.37428**	**1.3508**	**.08951**	**.01535**	W **715.24**	**-.00020**
Stddev	.00007	.00002	.00003	.0215	.00485	.0079	.00005	.00007	2.22	.00025
%RSD	14.845	1.7862	.03335	1.5998	1.2968	.58390	.05997	.43008	.31022	122.75
#1	.00040	.00132	.10251	1.3264	.37771	1.3564	.08948	.01540	713.67	-.00037
#2	.00049	.00129	.10246	1.3567	.37085	1.3452	.08955	.01530	716.81	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14190**	**.00037**	F **308.66**	**-.00048**	**-.00082**	**4.7354**	**10.134**	**-.00100**	**1.2410**	**-.00194**
Stddev	.00222	.00059	.38	.00058	.00139	.0054	.012	.00042	.0025	.00033
%RSD	1.5637	158.71	.12334	120.49	169.56	.11430	.11430	42.101	.20020	17.228
#1	.14347	.00079	308.93	-.00007	.00016	4.7316	10.126	-.00070	1.2393	-.00170
#2	.14033	-.00005	308.39	-.00090	-.00180	4.7392	10.142	-.00130	1.2428	-.00217
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00033**	**.04507**	**.00047**	**.00464**	**-.00025**
Stddev	.00032	.00075	.00220	.00034	.00044	.00229
%RSD	163.11	227.10	4.8854	73.839	9.4001	928.18
#1	-.00042	.00086	.04351	.00022	.00495	.00137
#2	.00003	-.00020	.04662	.00071	.00433	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7378.1**	**91065.**	**8040.7**
Stddev	7.6	53.	72.6
%RSD	.10233	.05869	.90292
#1	7383.4	91027.	8092.0
#2	7372.7	91102.	7989.4

Sample Name: 280-48662-e-8-a Acquired: 11/8/2013 17:45:11 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.36953**	**-.00192**	**1.7688**	**.01534**	**.00011**	**-.00259**	**6.3244**	**.00016**	**-.00040**
Stddev	.00020	.00121	.00020	.0004	.00002	.00004	.00284	.0133	.00001	.00053
%RSD	19.401	.32800	10.591	.01974	.12535	40.138	109.59	.20965	6.4186	130.18
#1	-.00115	.36868	-.00177	1.7686	.01533	.00014	-.00460	6.3338	.00016	-.00078
#2	-.00087	.37039	-.00206	1.7691	.01535	.00008	-.00058	6.3150	.00017	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00257**	**.16725**	**4.1908**	**.33265**	**.88392**	**.00612**	**.02561**	W **677.13**	**.00060**
Stddev	.00012	.00008	.00198	.0295	.00032	.00186	.00009	.00014	1.33	.00015
%RSD	11.557	3.1398	1.1818	.70307	.09549	.21008	1.4813	.56202	.19614	24.374
#1	.00116	.00251	.16865	4.1699	.33242	.88524	.00606	.02571	678.07	.00049
#2	.00099	.00262	.16586	4.2116	.33287	.88261	.00618	.02551	676.19	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02015**	**.00027**	F **328.84**	**.00141**	**.00109**	**17.102**	**36.599**	**.00147**	**2.2554**	**-.00121**
Stddev	.00062	.00112	.34	.00004	.00221	.018	.038	.00116	.0086	.00120
%RSD	3.0757	411.30	.10377	2.9529	202.32	.10255	.10255	79.298	.38053	99.668
#1	.02058	.00107	328.60	.00144	-.00047	17.115	36.626	.00064	2.2615	-.00206
#2	.01971	-.00052	329.08	.00138	.00266	17.090	36.573	.00229	2.2493	-.00036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00713**	**.00112**	**-.00388**	**.01492**	**.00672**	**.00101**
Stddev	.00029	.00068	.05140	.00029	.00015	.00026
%RSD	4.0359	60.847	1323.8	1.9140	2.2935	26.081
#1	.00733	.00160	.03246	.01512	.00682	.00120
#2	.00693	.00064	-.04023	.01472	.00661	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7448.4**	**91370.**	**8056.7**
Stddev	7.9	432.	7.4
%RSD	.10640	.47295	.09152
#1	7454.0	91064.	8061.9
#2	7442.8	91675.	8051.5

Sample Name: 280-48662-e-9-a Acquired: 11/8/2013 17:47:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.78360**	**.00094**	**1.6788**	**.00938**	**.00014**	**-.00066**	**10.175**	**.00010**	**-.00027**
Stddev	.00028	.00150	.00002	.0010	.00060	.00005	.00024	.020	.00022	.00008
%RSD	482.47	.19126	2.4656	.06153	6.3676	35.610	37.048	.20039	224.81	28.234
#1	-.00026	.78466	.00092	1.6781	.00895	.00010	-.00049	10.160	-.00006	-.00021
#2	.00014	.78254	.00095	1.6795	.00980	.00017	-.00083	10.189	.00025	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00182**	**.41627**	**1.5427**	**.38113**	**1.1972**	**.03735**	**.01826**	W **712.22**	**.00115**
Stddev	.00005	.00078	.00761	.0604	.00270	.0041	.00006	.00004	1.53	.00013
%RSD	5.7062	42.726	1.8274	3.9117	.70955	.34313	.15464	.22852	.21443	11.010
#1	.00083	.00127	.41089	1.5854	.37922	1.1943	.03739	.01823	711.14	.00106
#2	.00077	.00236	.42165	1.5000	.38304	1.2001	.03731	.01829	713.30	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01655**	**.00077**	F **304.49**	**.00004**	**.00191**	**5.4393**	**11.640**	**-.00038**	**3.7716**	**-.00049**
Stddev	.00055	.00033	.24	.00201	.00240	.0253	.054	.00006	.0120	.00055
%RSD	3.3284	43.157	.07958	5383.6	125.51	.46413	.46413	16.426	.31751	113.05
#1	.01616	.00053	304.32	.00146	.00021	5.4215	11.602	-.00043	3.7631	-.00088
#2	.01694	.00100	304.66	-.00138	.00360	5.4572	11.678	-.00034	3.7800	-.00010
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00642**	**-.00008**	**.02815**	**.00421**	**.00699**	**.00153**
Stddev	.00019	.00103	.00247	.00060	.00037	.00153
%RSD	3.0099	1333.4	8.7766	14.122	5.2349	99.798
#1	.00629	.00065	.02989	.00463	.00673	.00045
#2	.00656	-.00081	.02640	.00379	.00725	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7447.5**	**91458.**	**8038.0**
Stddev	3.8	405.	9.8
%RSD	.05142	.44336	.12204
#1	7444.8	91171.	8031.1
#2	7450.2	91745.	8045.0

Sample Name: 280-48662-e-11-a Acquired: 11/8/2013 17:50:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**1.5671**	**.00047**	**1.3641**	**.03034**	**.00015**	**.00043**	**4.3617**	**.00015**	**.00028**
Stddev	.00050	.0043	.00134	.0010	.00023	.00003	.00458	.0014	.00030	.00007
%RSD	85.148	.27494	286.76	.07578	.74315	22.788	1067.6	.03147	195.62	26.045
#1	.00094	1.5641	.00141	1.3634	.03050	.00017	.00367	4.3607	-.00006	.00033
#2	.00023	1.5702	-.00048	1.3648	.03018	.00012	-.00281	4.3627	.00037	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.00732**	**.70098**	**1.3786**	**.24885**	**.82833**	**.01874**	**.01054**	**459.55**	**.00524**
Stddev	.00006	.00010	.00427	.0888	.00063	.00066	.00009	.00000	1.98	.00032
%RSD	2.2592	1.3825	.60977	6.4399	.25269	.07942	.47862	.00160	.42989	6.1059
#1	.00272	.00725	.70400	1.3158	.24840	.82880	.01867	.01054	460.95	.00502
#2	.00281	.00739	.69796	1.4413	.24929	.82787	.01880	.01054	458.15	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02722**	**.00046**	**116.53**	**-.00028**	**.00243**	**6.8598**	**14.680**	**-.00020**	**1.6434**	**-.00010**
Stddev	.00037	.00027	.48	.00321	.00065	.0540	.116	.00024	.0026	.00112
%RSD	1.3455	58.733	.41545	1153.2	26.713	.78718	.78718	118.55	.15817	1169.0
#1	.02696	.00065	116.19	.00199	.00289	6.8216	14.598	-.00037	1.6452	.00070
#2	.02748	.00027	116.87	-.00255	.00197	6.8980	14.762	-.00003	1.6415	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02163**	**.00012**	**.04749**	**.00962**	**.01733**	**.00206**
Stddev	.00050	.00039	.02819	.00044	.00007	.00120
%RSD	2.3006	337.54	59.360	4.5977	.39148	58.025
#1	.02128	.00040	.02756	.00931	.01737	.00122
#2	.02198	-.00016	.06743	.00993	.01728	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7589.0**	**93207.**	**8101.4**
Stddev	9.9	528.	12.1
%RSD	.13041	.56698	.14995
#1	7596.0	92833.	8110.0
#2	7582.0	93581.	8092.8

Sample Name: 280-48662-e-12-a Acquired: 11/8/2013 17:52:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**146.57**	**.03677**	**1.0871**	**3.5496**	**.01080**	**-.04106**	**348.98**	**.00183**	**.06503**
Stddev	.00012	.12	.00093	.0025	.0047	.00009	.00130	4.52	.00012	.00062
%RSD	6.2652	.08286	2.5156	.23142	.13264	.81504	3.1584	1.2942	6.7608	.95554
#1	-.00176	146.65	.03743	1.0889	3.5463	.01086	-.04197	352.17	.00174	.06547
#2	-.00192	146.48	.03612	1.0853	3.5529	.01074	-.04014	345.78	.00192	.06459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11363**	**.09154**	**110.05**	**20.158**	**.24002**	**56.102**	**4.9049**	**.00586**	W **569.52**	**.15525**
Stddev	.00036	.00015	1.11	.079	.00148	.310	.0394	.00019	.78	.00083
%RSD	.32085	.16650	1.0110	.39070	.61776	.55237	.80415	3.1943	.13652	.53500
#1	.11389	.09165	109.27	20.103	.24107	55.883	4.8770	.00599	568.97	.15583
#2	.11337	.09144	110.84	20.214	.23897	56.321	4.9328	.00573	570.07	.15466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3897**	**.09176**	**135.98**	**-.00171**	**.01872**	W **84.367**	**180.55**	**.00721**	**2.6856**	**.07614**
Stddev	.0243	.00116	.08	.00079	.00013	.251	.54	.00000	.0032	.00016
%RSD	.55428	1.2661	.05807	45.900	.69407	.29776	.29776	.00085	.12025	.21600
#1	4.4069	.09258	135.92	-.00116	.01863	84.545	180.93	.00721	2.6833	.07626
#2	4.3725	.09094	136.03	-.00227	.01881	84.190	180.17	.00721	2.6879	.07602
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26292**	**-.00137**	F **-.20717**	**.19845**	**.38216**	**.01172**
Stddev	.00029	.00107	.00604	.00067	.00064	.00000
%RSD	.10887	78.542	2.9138	.33876	.16779	.04037
#1	.26272	-.00213	-.20290	.19797	.38171	.01172
#2	.26313	-.00061	-.21144	.19892	.38262	.01171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8289.1**	**100580.**	**9155.0**
Stddev	10.4	715.	1.4
%RSD	.12511	.71126	.01560
#1	8281.8	101080.	9156.0
#2	8296.5	100070.	9153.9

Sample Name: 280-48769-a-2-b@10 Acquired: 11/8/2013 17:54:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00803**	**1.9300**	k **.00646**	**.07108**	k **.02059**	k **.00020**	k **.00167**	**5.6526**	k **.00150**	k **.00000**
Stddev	.00016	.0140	.00030	.00063	.00003	.00007	.00130	.0159	.00010	.0001
%RSD	1.9906	.72759	4.6303	.88105	.15314	35.865	77.463	.28095	6.5474	7275.7
#1	k .00814	1.9200	k .00667	.07153	k .02061	k .00015	k .00259	5.6638	k .00143	k -.00004
#2	k .00792	1.9399	k .00625	.07064	k .02057	k .00025	k .00076	5.6413	k .00157	k .00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01046**	k **.01172**	**2.2985**	W **135.13**	k **.00049**	k **1.3569**	^ *****	k **-.00667**	**188.36**	k **.00626**
Stddev	.00011	.00011	.0058	.56	.00191	.0129	-----	.00025	.18	.00003
%RSD	1.0950	.90508	.25378	.41367	393.39	.94745	-----	3.6821	.09294	.55096
#1	k .01038	k .01179	2.2944	135.52	k .00184	k 1.3660	^ -----	k -.00650	188.48	k .00629
#2	k .01054	k .01164	2.3026	134.73	k -.00087	k 1.3478	^ -----	k -.00685	188.23	k .00624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.19439**	k **.04542**	kF **407.90**	k **.00390**	k **.11018**	**2.6139**	**5.5938**	F **299.38**	**.03382**	kW **-.01503**
Stddev	.00150	.00167	.32	.00133	.00680	.0050	.0107	.57	.00001	.00143
%RSD	.77361	3.6837	.07854	34.085	6.1714	.19072	.19072	.19043	.03727	9.5144
#1	k .19545	k .04660	k 408.13	k .00484	k .11498	2.6174	5.6013	298.98	.03383	k -.01402
#2	k .19332	k .04424	k 407.68	k .00296	k .10537	2.6104	5.5862	299.79	.03382	k -.01604
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn
High Limit			200.00					20.000		45.000
Low Limit			-.20000					-.10000		-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.08512**	k **.15553**	kF **-1.4978**	kF **-.05802**	k **.09761**	k **.01673**
Stddev	.00074	.00022	.0636	.00094	.00147	.00070
%RSD	.86754	.13935	4.2494	1.6117	1.5101	4.2034
#1	k .08564	k .15538	k -1.5428	k -.05868	k .09865	k .01624
#2	k .08460	k .15568	k -1.4528	k -.05735	k .09657	k .01723
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000	50.000		
Low Limit			-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7716.2**	**94689.**	**8156.7**
Stddev	19.6	700.	74.7
%RSD	.25419	.73944	.91638
#1	7730.0	94194.	8103.8
#2	7702.3	95184.	8209.5

Sample Name: 280-48769-a-2-b@20 Acquired: 11/8/2013 17:57:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01818**	**.00218**	**.00596**	**.00060**	**.00007**	**.00090**	**.05969**	**.00021**	**-.00009**
Stddev	.00049	.00053	.00065	.00029	.00029	.00002	.00274	.00010	.00004	.00025
%RSD	300.16	2.9227	29.761	4.9114	48.220	31.637	305.02	.16863	16.939	269.68
#1	.00018	.01855	.00264	.00575	.00040	.00005	-.00104	.05977	.00018	-.00027
#2	-.00051	.01780	.00172	.00617	.00080	.00008	.00284	.05962	.00023	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00000**	**.02855**	**.19298**	**-.00140**	**.00522**	**.01496**	**.00006**	**.43650**	**.00007**
Stddev	.00003	.0003	.00074	.02037	.00050	.00174	.00056	.00001	.00402	.00019
%RSD	17.253	9267.8	2.6069	10.555	35.643	33.270	3.7223	17.116	.92000	265.67
#1	.00013	-.00020	.02803	.20738	-.00105	.00645	.01536	.00007	.43934	-.00006
#2	.00017	.00019	.02908	.17858	-.00175	.00399	.01457	.00005	.43366	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00198**	**.14788**	**.00019**	**-.00214**	**.03593**	**.07690**	**.07879**	**.00027**	**.00115**
Stddev	.00183	.00099	.00895	.00037	.00018	.01481	.03170	.00004	.00009	.00389
%RSD	455.16	49.816	6.0521	188.27	8.5043	41.218	41.218	.05278	31.560	338.77
#1	-.00089	.00128	.15421	-.00006	-.00201	.02546	.05448	.07876	.00033	.00390
#2	.00169	.00268	.14156	.00045	-.00227	.04641	.09931	.07881	.00021	-.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00007**	**.02224**	**-.00051**	**.00851**	**.00021**
Stddev	.00012	.00042	.03707	.00022	.00073	.00004
%RSD	450.60	594.32	166.70	43.055	8.5365	16.863
#1	-.00006	.00037	-.00397	-.00036	.00903	.00019
#2	.00011	-.00023	.04845	-.00067	.00800	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7882.2**	**100900.**	**8059.1**
Stddev	.4	19.	36.8
%RSD	.00521	.01871	.45646
#1	7882.4	100880.	8085.1
#2	7881.9	100910.	8033.1

Sample Name: 280-48769-a-2-b@50 Acquired: 11/8/2013 17:59:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.44006**	**.00180**	**.01717**	**.00458**	**.00017**	**-.00127**	**1.1450**	**.00024**	**-.00022**
Stddev	.00027	.00013	.00340	.00002	.00022	.00005	.00519	.0101	.00010	.00012
%RSD	307.22	.02952	189.21	.09414	4.7811	29.691	407.83	.87785	40.636	55.947
#1	-.00010	.44015	.00420	.01718	.00474	.00013	-.00494	1.1521	.00017	-.00013
#2	.00028	.43997	-.00061	.01716	.00443	.00020	.00240	1.1379	.00031	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**.00194**	**.48917**	**26.874**	**-.00135**	**.31772**	F **28.678**	**-.00116**	**37.976**	**.00116**
Stddev	.00013	.00015	.00853	.101	.00128	.00670	.424	.00006	.392	.00003
%RSD	5.8454	7.6181	1.7432	.37497	94.939	2.1103	1.4797	5.1390	1.0331	2.9930
#1	.00219	.00204	.49520	26.945	-.00044	.32246	28.978	-.00111	38.254	.00113
#2	.00238	.00184	.48314	26.802	-.00226	.31298	28.378	-.00120	37.699	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03801**	**.00968**	**82.803**	**-.00251**	**.00520**	**.51224**	**1.0962**	F **71.325**	**.00664**	**.00457**
Stddev	.00344	.00036	.171	.00193	.00263	.00561	.0120	.031	.00011	.00054
%RSD	9.0624	3.7474	.20684	76.823	50.633	1.0949	1.0949	.04384	1.6230	11.811
#1	.04044	.00994	82.682	-.00387	.00334	.50827	1.0877	71.303	.00672	.00496
#2	.03557	.00942	82.924	-.00115	.00706	.51620	1.1047	71.347	.00657	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								20.000		
Low Limit								-.10000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01643**	**-.00247**	F **-.32384**	**.00253**	**.02578**	**.00179**
Stddev	.00010	.00058	.03858	.00034	.00043	.00138
%RSD	.61040	23.490	11.914	13.562	1.6503	76.969
#1	.01650	-.00288	-.35113	.00229	.02608	.00082
#2	.01636	-.00206	-.29656	.00277	.02548	.00277
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7950.1**	**100160.**	**8155.1**
Stddev	3.2	164.	189.4
%RSD	.04066	.16394	2.3225
#1	7947.8	100040.	8021.2
#2	7952.4	100270.	8289.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:01:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00368**	**50.712**	**.00434**	**.00796**	**.00015**	**.00009**	**.99408**	**.00997**	**.00008**	**-.00065**	**-.00021**	**.00729**	**49.430**
Stddev	.00069	.100	.00197	.00027	.00021	.00000	.00222	.00120	.00025	.00047	.00011	.00052	.520
%RSD	18.808	.19626	45.494	3.4227	144.15	4.1615	.22339	12.051	326.25	71.540	49.994	7.1602	1.0525
#1	.00417	50.782	.00294	.00777	.00000	.00008	.99565	.01082	-.00010	-.00098	-.00029	.00692	49.798
#2	.00319	50.641	.00573	.00816	.00030	.00009	.99251	.00912	.00025	-.00032	-.00014	.00766	49.062
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14602**	**.00162**	**.07961**	**.00719**	**-.00063**	**254.77**	**-.00002**	**.00062**	**.00164**	**5.0313**	**.00141**	**-.00124**	**.03702**
Stddev	.02772	.00363	.00340	.00066	.00010	.71	.00020	.00086	.00033	.0034	.00020	.00166	.02359
%RSD	18.984	224.10	4.2707	9.1870	15.972	.27908	951.78	138.45	19.920	.06690	14.428	133.76	63.716
#1	.16562	-.00095	.07720	.00765	-.00056	255.28	.00012	.00001	.00187	5.0337	.00155	-.00241	.02034
#2	.12642	.00419	.08201	.00672	-.00070	254.27	-.00016	.00123	.00141	5.0289	.00127	-.00007	.05370
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07922**	**.03728**	**.00039**	**4.8556**	**-.00525**	**-.00008**	**10.209**	**.00052**	**.00207**	**.01530**
Stddev	.05047	.00121	.00002	.0106	.00019	.00058	.010	.00048	.00021	.00124
%RSD	63.716	3.2398	5.3239	.21820	3.5664	747.28	.09628	92.990	10.251	8.1040
#1	.04353	.03813	.00037	4.8631	-.00538	-.00049	10.216	.00085	.00222	.01618
#2	.11491	.03643	.00040	4.8481	-.00511	.00033	10.202	.00018	.00192	.01442
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7768.5**	**96704.**	**8183.9**
Stddev	36.8	153.	23.7
%RSD	.47331	.15831	.28960
#1	7742.5	96812.	8200.7
#2	7794.5	96595.	8167.1

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:04:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49665**	**.52009**	**.99599**	**.50726**	**.50477**	**.50119**	**.00339**	**5.0542**	**.50361**	**.50874**	**.50206**	**.50666**
Stddev	.00139	.00199	.00014	.00205	.00127	.00054	.00194	.0070	.00073	.00018	.00008	.00020
%RSD	.27992	.38237	.01455	.40479	.25247	.10781	57.219	.13864	.14527	.03463	.01590	.03963
#1	.49763	.52150	.99609	.50872	.50387	.50081	.00202	5.0493	.50309	.50862	.50200	.50680
#2	.49566	.51869	.99589	.50581	.50567	.50157	.00476	5.0592	.50412	.50887	.50212	.50652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4690**	**50.893**	**1.0020**	**19.793**	**.50465**	**.50568**	W **5.5012**	**.50996**	**.99618**	**1.0306**	**.06117**	**1.0192**
Stddev	.0024	.065	.0005	.017	.00189	.00128	.0037	.00380	.00265	.0014	.01001	.0052
%RSD	.09709	.12828	.05227	.08440	.37505	.25224	.06675	.74566	.26563	.13634	16.366	.50981
#1	2.4673	50.847	1.0016	19.805	.50599	.50659	5.4986	.51265	.99805	1.0296	.06825	1.0156
#2	2.4707	50.939	1.0023	19.781	.50331	.50478	5.5038	.50727	.99431	1.0316	.05409	1.0229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99983**	**5.0207**	**10.744**	**1.0216**	**.50161**	**-.00254**	**.50465**	**1.0360**	**.02054**	**.50674**	**.50295**	**.50379**
Stddev	.00000	.0053	.011	.0013	.00087	.00222	.00097	.0013	.00319	.00113	.00028	.00085
%RSD	.00010	.10557	.10557	.12587	.17305	87.383	.19216	.12685	15.527	.22358	.05496	.16893
#1	.99982	5.0244	10.752	1.0225	.50100	-.00411	.50533	1.0351	.02279	.50754	.50315	.50440
#2	.99983	5.0169	10.736	1.0207	.50223	-.00097	.50396	1.0370	.01828	.50593	.50276	.50319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8021.2**	**101210.**	**8338.3**
Stddev	35.6	299.	20.6
%RSD	.44430	.29561	.24754
#1	7996.0	101000.	8352.9
#2	8046.4	101430.	8323.7

Sample Name: CCB Acquired: 11/8/2013 18:06:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00571**	**.00251**	**.00400**	**.00021**	**.00016**	**-.00014**	**.00475**	**.00027**	**.00010**	**.00011**	**-.00047**
Stddev	.00046	.00416	.00183	.00033	.00019	.00003	.00100	.00050	.00008	.00003	.00007	.00002
%RSD	2950.1	72.897	72.742	8.3238	91.933	16.192	704.47	10.473	30.390	31.583	65.634	4.3845
#1	-.00031	.00277	.00122	.00424	.00035	.00014	.00056	.00440	.00021	.00008	.00006	-.00048
#2	.00034	.00865	.00380	.00377	.00007	.00017	-.00085	.00510	.00033	.00012	.00015	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00833**	**.11578**	W **.00310**	**.00276**	F **.00143**	**.00063**	F **.24719**	**-.00008**	**.00017**	**.00033**	**.05914**	F **.00792**
Stddev	.00066	.03548	.00216	.00073	.00003	.00015	.01511	.00015	.00131	.00018	.00777	.00069
%RSD	7.9496	30.649	69.760	26.546	1.8044	24.427	6.1135	186.52	786.50	53.844	13.138	8.7182
#1	.00880	.09069	.00157	.00224	.00141	.00074	.25787	.00003	.00110	.00020	.05365	.00743
#2	.00786	.14087	.00462	.00327	.00145	.00052	.23650	-.00019	-.00076	.00045	.06464	.00840
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261		.00050		.18320					.00628
Low Limit			-.00261		-.00050		-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00096**	**.00204**	F **.01944**	**.00008**	**.00211**	**.00025**	**.00062**	**-.00284**	**-.00053**	**.00353**	**.00098**
Stddev	.00074	.00776	.01661	.00550	.00000	.00019	.00028	.00012	.02296	.00014	.00075	.00228
%RSD	29.142	812.83	812.83	28.307	4.2845	9.1484	113.01	19.419	808.45	26.066	21.268	232.18
#1	.00306	-.00453	-.00970	.01555	.00008	.00225	.00044	.00071	.01340	-.00062	.00300	.00260
#2	.00201	.00644	.01379	.02333	.00009	.00197	.00005	.00054	-.01908	-.00043	.00406	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01166								
Low Limit				-.01166								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7930.1**	**100790.**	**8184.5**
Stddev	41.6	77.	35.2
%RSD	.52516	.07630	.43023
#1	7959.6	100840.	8209.4
#2	7900.7	100730.	8159.6

Sample Name: CCVL-2367586 Acquired: 11/8/2013 18:08:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.11063**	**.01425**	**.09991**	**.01026**	**.00114**	**.12258**	**.21756**	**.00529**	**.01066**	**.01037**	**.01591**	**.10487**
Stddev	.00068	.00040	.00192	.00015	.00016	.00002	.00009	.00142	.00003	.00006	.00013	.00000	.00047
%RSD	6.6707	.36422	13.500	.14683	1.5336	1.6660	.07131	.65283	.61700	.59174	1.2353	.01241	.45271
#1	.01067	.11035	.01562	.09981	.01015	.00113	.12264	.21656	.00532	.01061	.01046	.01591	.10521
#2	.00971	.11092	.01289	.10001	.01037	.00115	.12252	.21857	.00527	.01070	.01028	.01591	.10454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1785**	**.00885**	**.21106**	**.01142**	**.02007**	**1.2598**	**.04256**	**2.8793**	**.01032**	**.03891**	**.01208**	**.01380**	**.51139**
Stddev	.0067	.00292	.00171	.00009	.00020	.0017	.00043	.0033	.00018	.00195	.00032	.00275	.01763
%RSD	.21233	32.970	.80791	.79195	1.0125	.13718	1.0166	.11562	1.7642	5.0011	2.6687	19.940	3.4471
#1	3.1737	.00679	.20986	.01136	.01993	1.2610	.04287	2.8769	.01019	.04028	.01185	.01185	.49892
#2	3.1833	.01092	.21227	.01149	.02021	1.2585	.04225	2.8816	.01045	.03753	.01231	.01574	.52385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0944**	**.11591**	**.01044**	**.01593**	**.01003**	**.01659**	F **.08023**	**.01005**	**.02497**	**.01693**
Stddev	.0377	.00087	.00008	.00079	.00031	.00076	.02817	.00048	.00018	.00092
%RSD	3.4471	.74783	.77277	4.9639	3.0516	4.5846	35.112	4.7875	.71545	5.4488
#1	1.0677	.11652	.01039	.01537	.01025	.01605	.06031	.01039	.02484	.01628
#2	1.1210	.11530	.01050	.01649	.00982	.01712	.10015	.00971	.02509	.01758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8054.7**	**102530.**	**8300.3**
Stddev	1.0	264.	1.7
%RSD	.01251	.25712	.02083
#1	8054.0	102720.	8301.5
#2	8055.5	102340.	8299.0

Sample Name: mb 280-199525/1-b Acquired: 11/8/2013 18:11:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00080	.00364	.00221	.00306	.00013	.00017	.00083	.00691	-.00003	-.00019
Stddev	.00005	.00017	.00094	.00001	.00009	.00009	.00027	.00329	.00002	.00005
%RSD	5.9305	4.7718	42.516	.27175	67.158	54.625	32.322	47.673	49.588	24.098
#1	-.00083	.00377	.00288	.00306	.00007	.00010	.00064	.00458	-.00002	-.00016
#2	-.00076	.00352	.00155	.00305	.00020	.00023	.00102	.00924	-.00004	-.00022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00002	.01490	.07159	-.00140	.00211	W .00107	.00041	W .19172	.00010
Stddev	.00010	.00020	.00046	.00484	.00256	.00209	.00001	.00008	.00546	.00009
%RSD	522.19	980.08	3.1174	6.7594	183.09	99.127	1.2417	18.298	2.8498	88.043
#1	-.00005	.00012	.01523	.06817	.00041	.00063	.00108	.00036	.19558	.00004
#2	.00009	-.00016	.01457	.07501	-.00321	.00359	.00107	.00047	.18785	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00019	F .03402	.00036	.00021	F .02418	.05175	W .00745	.00003	W .00178
Stddev	.00056	.00033	.00018	.00270	.00038	.01939	.04150	.00018	.00010	.00190
%RSD	257.49	173.75	.54238	740.61	178.90	80.191	80.191	2.3909	333.83	106.74
#1	.00061	.00042	.03389	-.00155	.00048	.01047	.02240	.00732	.00010	.00044
#2	-.00018	-.00004	.03415	.00228	-.00006	.03789	.08109	.00757	-.00004	.00312
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Warn	Chk Pass	Chk Warn
High Limit			.01000			.01000		.00305		.00000
Low Limit			-.01000			-.01000		-.05000		-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00025	-.00150	-.00087	W .00382	-.00019
Stddev	.00005	.00059	.01311	.00014	.00034	.00108
%RSD	73.366	239.03	874.21	16.380	8.9918	580.25
#1	.00010	-.00017	.00777	-.00077	.00358	.00058
#2	.00003	.00066	-.01077	-.00097	.00407	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8104.8	103760.	8425.7
Stddev	7.4	642.	8.2
%RSD	.09192	.61907	.09786
#1	8099.5	103300.	8419.8
#2	8110.1	104210.	8431.5

Sample Name: lcs 280-199525/2-b Acquired: 11/8/2013 18:13:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04872**	**1.9462**	**.99105**	**1.0022**	**2.0423**	**.05027**	**2.2695**	**49.747**	**.10378**	**.49462**
Stddev	.00029	.0026	.00109	.0004	.0019	.00011	.0007	.068	.00015	.00109
%RSD	.59594	.13548	.11023	.03887	.09074	.22808	.03263	.13646	.14281	.22003
#1	.04852	1.9480	.99182	1.0019	2.0410	.05019	2.2689	49.699	.10389	.49539
#2	.04893	1.9443	.99028	1.0024	2.0436	.05035	2.2700	49.795	.10368	.49385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20203**	**.25706**	**.97653**	**51.352**	**1.0104**	**49.157**	**.49881**	**1.0211**	**53.101**	**.49595**
Stddev	.00016	.00092	.00069	.030	.0055	.101	.00048	.0018	.184	.00066
%RSD	.07865	.35705	.07091	.05881	.53933	.20627	.09690	.17885	.34644	.13243
#1	.20192	.25770	.97604	51.373	1.0066	49.086	.49847	1.0198	52.971	.49548
#2	.20214	.25641	.97702	51.330	1.0143	49.229	.49915	1.0224	53.231	.49641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.023**	**.49129**	**.03009**	**.50309**	**1.9635**	**10.096**	**21.606**	**2.0074**	**1.0143**	**1.0122**
Stddev	.008	.00079	.00012	.00150	.0046	.000	.000	.0114	.0019	.0012
%RSD	.08072	.16059	.40773	.29752	.23360	.00058	.00058	.56886	.18611	.11422
#1	10.018	.49073	.03000	.50203	1.9602	10.096	21.606	1.9993	1.0130	1.0130
#2	10.029	.49184	.03018	.50415	1.9667	10.096	21.606	2.0155	1.0156	1.0114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0267**	**1.9589**	**2.1295**	**.51223**	**.49391**	**.51330**
Stddev	.0006	.0083	.0132	.00007	.00150	.00150
%RSD	.05700	.42109	.62130	.01304	.30455	.29234
#1	1.0263	1.9530	2.1389	.51218	.49285	.51224
#2	1.0271	1.9647	2.1202	.51227	.49497	.51436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7870.2**	**98888.**	**8443.1**
Stddev	18.6	279.	35.9
%RSD	.23584	.28198	.42512
#1	7857.1	99085.	8417.7
#2	7883.4	98690.	8468.5

Sample Name: 280-48811-b-1-b Acquired: 11/8/2013 18:15:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00424**	**.00105**	**.35569**	**.19121**	**.00014**	**.00045**	**89.661**	**.00025**	**-.00030**
Stddev	.00018	.00043	.00258	.00003	.00008	.00014	.00071	.174	.00003	.00041
%RSD	89.443	10.225	245.59	.00961	.04059	98.308	159.17	.19418	13.020	138.43
#1	-.00007	.00455	.00287	.35566	.19126	.00024	.00095	89.538	.00023	-.00059
#2	-.00032	.00393	-.00077	.35571	.19115	.00004	-.00006	89.784	.00028	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00329**	**.00995**	**5.3677**	**.01632**	**20.311**	**.03408**	**.00306**	**68.496**	**.00588**
Stddev	.00015	.00012	.00162	.0030	.00261	.004	.00001	.00000	.397	.00030
%RSD	82.381	3.6121	16.279	.05588	16.015	.02118	.02097	.08510	.57993	5.1432
#1	.00029	.00337	.00880	5.3656	.01447	20.314	.03408	.00306	68.215	.00567
#2	.00008	.00320	.01109	5.3699	.01817	20.308	.03407	.00306	68.777	.00609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.00054**	**28.570**	**.00050**	**.00225**	**7.2206**	**15.452**	**.00568**	**.89184**	**-.00065**
Stddev	.00112	.00044	.019	.00148	.00191	.0035	.008	.00068	.00046	.00090
%RSD	11.562	80.999	.06696	296.87	84.937	.04906	.04906	11.963	.05124	137.30
#1	.00893	.00085	28.556	-.00055	.00360	7.2181	15.447	.00616	.89216	-.00002
#2	.01052	.00023	28.583	.00155	.00090	7.2231	15.458	.00520	.89151	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00138**	**.00910**	**.00038**	**.02255**	**.00120**
Stddev	.00035	.00016	.01165	.00011	.00004	.00158
%RSD	181.89	11.771	127.96	27.345	.15729	131.33
#1	.00006	.00126	.00087	.00031	.02258	.00231
#2	-.00044	.00149	.01734	.00046	.02253	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7811.6**	**99004.**	**8381.1**
Stddev	9.9	539.	17.7
%RSD	.12610	.54438	.21075
#1	7804.6	98623.	8393.6
#2	7818.6	99385.	8368.6

Sample Name: 280-48811-b-1-bSD@5 Acquired: 11/8/2013 18:17:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.01496**	**.00205**	**.07678**	**.04047**	**.00007**	**-.00019**	**19.033**	**.00010**	**-.00010**
Stddev	.00008	.00028	.00056	.00072	.00092	.00002	.00187	.031	.00007	.00009
%RSD	52.267	1.8595	27.258	.93602	2.2829	23.610	1008.1	.16270	74.562	85.653
#1	-.00020	.01516	.00245	.07728	.03981	.00006	-.00151	19.011	.00005	-.00004
#2	-.00009	.01476	.00166	.07627	.04112	.00008	.00114	19.055	.00015	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00069**	**.01896**	**1.1618**	**.00364**	**4.3952**	**.00782**	**.00033**	**14.246**	**.00126**
Stddev	.00002	.00048	.00120	.0696	.00050	.0060	.00003	.00018	.266	.00019
%RSD	17.592	69.684	6.3384	5.9931	13.716	.13739	.37682	54.713	1.8642	15.263
#1	.00015	.00103	.01981	1.2110	.00329	4.3995	.00784	.00020	14.434	.00112
#2	.00012	.00035	.01811	1.1126	.00399	4.3910	.00780	.00046	14.058	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**.00085**	**5.9078**	**.00003**	**-.00024**	**1.5259**	**3.2653**	**.00710**	**.18912**	**-.00018**
Stddev	.00041	.00064	.0152	.00294	.00082	.0135	.0288	.00005	.00077	.00184
%RSD	22.406	75.432	.25709	8805.7	343.46	.88303	.88303	.73472	.40829	1029.0
#1	.00212	.00130	5.9186	.00211	.00034	1.5163	3.2449	.00706	.18858	.00112
#2	.00154	.00040	5.8971	-.00204	-.00082	1.5354	3.2857	.00713	.18967	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00019**	**.00861**	**-.00021**	**.01102**	**-.00066**
Stddev	.00010	.00061	.03780	.00002	.00013	.00025
%RSD	127.49	317.42	439.34	10.403	1.1855	37.594
#1	.00016	-.00062	-.01813	-.00023	.01093	-.00049
#2	.00001	.00024	.03534	-.00020	.01112	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8003.1**	**101660.**	**8390.8**
Stddev	29.9	82.	41.4
%RSD	.37345	.08088	.49332
#1	8024.2	101600.	8420.1
#2	7981.9	101720.	8361.6

Sample Name: 280-48811-b-1-c ms Acquired: 11/8/2013 18:20:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04777**	**1.8710**	**.98520**	**1.3200**	**2.1698**	**.04921**	F **2.1982**	**135.99**	**.10186**	**.47641**
Stddev	.00016	.0029	.00075	.0055	.0016	.00022	.0073	.07	.00054	.00035
%RSD	.34221	.15400	.07604	.41870	.07377	.44023	.33064	.05295	.52598	.07436
#1	.04788	1.8690	.98573	1.3239	2.1710	.04936	2.2033	135.94	.10224	.47616
#2	.04765	1.8730	.98467	1.3161	2.1687	.04906	2.1931	136.04	.10148	.47667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19645**	**.25236**	**.94832**	**55.664**	**1.0007**	**67.404**	**.51530**	**.99418**	**119.45**	**.48306**
Stddev	.00111	.00154	.00254	.055	.0015	.105	.00011	.00097	.09	.00074
%RSD	.56313	.60976	.26818	.09828	.15042	.15633	.02064	.09737	.07547	.15361
#1	.19724	.25345	.95012	55.626	1.0017	67.479	.51523	.99486	119.38	.48359
#2	.19567	.25127	.94652	55.703	.99959	67.330	.51538	.99349	119.51	.48254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9728**	**.47199**	**28.515**	**.48998**	**1.9207**	**17.040**	**36.466**	**1.9296**	**1.8673**	**.99196**
Stddev	.0270	.00238	.084	.00204	.0109	.134	.286	.0025	.0007	.00021
%RSD	.27051	.50334	.29518	.41699	.56763	.78499	.78499	.12993	.03722	.02080
#1	9.9919	.47367	28.574	.49143	1.9284	17.135	36.668	1.9314	1.8668	.99211
#2	9.9538	.47031	28.455	.48854	1.9130	16.945	36.263	1.9279	1.8678	.99182
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99919**	**1.8534**	**2.1038**	**.50381**	**.49638**	**.49749**
Stddev	.00253	.0087	.0731	.00112	.00110	.00387
%RSD	.25321	.46750	3.4746	.22197	.22161	.77828
#1	1.0010	1.8595	2.1555	.50301	.49715	.50023
#2	.99740	1.8472	2.0521	.50460	.49560	.49476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7664.1**	**96884.**	**8397.7**
Stddev	6.0	244.	11.4
%RSD	.07877	.25217	.13631
#1	7668.4	97056.	8405.8
#2	7659.9	96711.	8389.6

Sample Name: 280-48811-b-1-d msd Acquired: 11/8/2013 18:22:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04668	1.8708	.98039	1.3209	2.1749	.04900	F 2.1836	137.02	.10171	.47638
Stddev	.00026	.0063	.00029	.0031	.0003	.00017	.0027	.29	.00069	.00012
%RSD	.55914	.33594	.02956	.23173	.01520	.34754	.12186	.21331	.67431	.02464
#1	.04649	1.8663	.98059	1.3230	2.1747	.04912	2.1855	136.81	.10219	.47646
#2	.04686	1.8752	.98018	1.3187	2.1752	.04887	2.1818	137.22	.10122	.47629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19584	.25241	.95099	56.060	1.0043	67.753	.51522	.98972	120.38	.48291
Stddev	.00065	.00009	.00137	.037	.0010	.053	.00025	.00449	.21	.00250
%RSD	.33377	.03390	.14381	.06603	.10377	.07763	.04838	.45353	.17476	.51718
#1	.19630	.25235	.95196	56.033	1.0050	67.716	.51504	.99290	120.53	.48468
#2	.19538	.25247	.95003	56.086	1.0035	67.790	.51539	.98655	120.23	.48114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.9438	.47270	28.713	.48680	1.9210	17.114	36.623	1.9192	1.8801	.98992
Stddev	.0374	.00196	.001	.00222	.0066	.023	.049	.0024	.0014	.00072
%RSD	.37576	.41553	.00449	.45666	.34438	.13468	.13468	.12532	.07428	.07243
#1	9.9702	.47409	28.712	.48837	1.9256	17.097	36.588	1.9209	1.8791	.99042
#2	9.9174	.47131	28.714	.48522	1.9163	17.130	36.658	1.9175	1.8811	.98941
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99946	1.8451	2.0856	.50386	.49719	.50009
Stddev	.00128	.0011	.0449	.00070	.00260	.00335
%RSD	.12770	.05872	2.1541	.13870	.52221	.66888
#1	1.0004	1.8444	2.1173	.50436	.49903	.49773
#2	.99856	1.8459	2.0538	.50337	.49536	.50246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7651.8	95865.	8283.6
Stddev	23.6	162.	47.6
%RSD	.30857	.16917	.57509
#1	7635.1	95979.	8249.9
#2	7668.5	95750.	8317.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:24:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**50.892**	**.00381**	**.01006**	**.00038**	**.00012**	**.99611**	**.02348**	**.00002**	**-.00057**	**-.00021**	**.00716**	**49.168**
Stddev	.00017	.300	.00045	.00064	.00046	.00005	.00697	.00038	.00003	.00007	.00003	.00004	.031
%RSD	7.6300	.58999	11.781	6.3129	120.75	46.759	.69934	1.6119	122.14	11.534	12.763	.59659	.06291
#1	.00241	51.104	.00349	.01051	.00071	.00008	1.0010	.02321	.00004	-.00052	-.00019	.00719	49.189
#2	.00216	50.679	.00412	.00961	.00006	.00016	.99119	.02374	.00000	-.00062	-.00023	.00713	49.146
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15228**	**.00097**	**.09184**	**.00052**	**.00033**	**254.66**	**.00041**	**.00412**	**.00169**	**4.9748**	**.00186**	**.00093**	**.03004**
Stddev	.06144	.00459	.00067	.00008	.00001	1.21	.00016	.00133	.00004	.0106	.00149	.00176	.00222
%RSD	40.343	472.69	.73236	16.202	3.3015	.47644	38.731	32.257	2.2706	.21384	80.140	189.97	7.3967
#1	.19572	-.00227	.09231	.00058	.00032	255.52	.00030	.00506	.00166	4.9823	.00081	.00217	.03161
#2	.10884	.00422	.09136	.00046	.00034	253.80	.00053	.00318	.00172	4.9673	.00291	-.00032	.02847
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06429**	**.00443**	**.00064**	**4.8698**	**-.00499**	**.00381**	**10.175**	**.00068**	**.00202**	**.01647**
Stddev	.00476	.00069	.00013	.0119	.00021	.00070	.036	.00030	.00000	.00190
%RSD	7.3967	15.563	20.844	.24404	4.1414	18.474	.35174	43.689	.20172	11.523
#1	.06765	.00492	.00054	4.8782	-.00485	.00430	10.201	.00088	.00203	.01782
#2	.06092	.00394	.00073	4.8614	-.00514	.00331	10.150	.00047	.00202	.01513
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7779.6**	**96413.**	**8233.5**
Stddev	14.8	91.	13.4
%RSD	.18968	.09395	.16305
#1	7769.2	96349.	8224.0
#2	7790.1	96477.	8243.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:26:39 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49382**	**.51750**	**.99640**	**.50638**	**.50420**	**.50069**	**.00098**	**5.0758**	**.50364**	**.50760**	**.50232**	**.50704**	**2.4461**
Stddev	.00237	.00071	.00337	.00038	.00102	.00092	.00183	.0211	.00022	.00035	.00022	.00050	.0008
%RSD	.48007	.13728	.33792	.07435	.20224	.18314	187.74	.41590	.04423	.06821	.04339	.09927	.03329
#1	.49550	.51800	.99402	.50611	.50492	.50134	-.00032	5.0907	.50348	.50784	.50217	.50739	2.4467
#2	.49215	.51700	.99878	.50665	.50347	.50004	.00227	5.0609	.50380	.50735	.50248	.50668	2.4455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.930**	**1.0061**	**19.729**	**.50170**	**.50302**	**5.3828**	**.50816**	**.99093**	**1.0244**	**.01497**	**1.0131**	**.99183**	**4.9868**
Stddev	.073	.0010	.073	.00004	.00018	.0225	.00026	.00222	.0003	.00079	.0004	.00944	.0345
%RSD	.14346	.09988	.37142	.00805	.03499	.41866	.05172	.22449	.02972	5.2834	.04307	.95213	.69085
#1	50.982	1.0068	19.781	.50167	.50314	5.3988	.50798	.99250	1.0246	.01553	1.0128	.98515	5.0111
#2	50.879	1.0053	19.677	.50173	.50289	5.3669	.50835	.98936	1.0242	.01441	1.0134	.99850	4.9624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.672**	**1.0070**	**.50145**	**-.00156**	**.50506**	**1.0320**	**-.02938**	**.50606**	**.50362**	**.49957**
Stddev	.074	.0037	.00130	.00298	.00012	.0014	.01015	.00043	.00025	.00043
%RSD	.69085	.36736	.26010	190.74	.02464	.13429	34.543	.08476	.04888	.08700
#1	10.724	1.0043	.50237	-.00367	.50515	1.0310	-.02220	.50575	.50379	.49988
#2	10.620	1.0096	.50053	.00054	.50497	1.0330	-.03655	.50636	.50344	.49926
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8018.7**	**101150.**	**8374.0**
Stddev	1.0	200.	18.2
%RSD	.01194	.19737	.21699
#1	8018.0	101010.	8386.9
#2	8019.4	101290.	8361.2

Sample Name: CCB Acquired: 11/8/2013 18:28:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00300**	**.00293**	**.00407**	**.00045**	**.00021**	**.00076**	**.01095**	**.00011**	**.00013**	**.00009**	**-.00037**
Stddev	.00067	.00105	.00187	.00018	.00018	.00016	.00019	.00198	.00013	.00014	.00001	.00002
%RSD	581.97	35.065	63.765	4.4577	39.839	74.255	25.498	18.112	111.35	104.30	6.5443	4.3553
#1	.00036	.00374	.00161	.00420	.00058	.00010	.00063	.01235	.00002	.00003	.00009	-.00038
#2	-.00059	.00225	.00425	.00394	.00033	.00032	.00090	.00955	.00021	.00023	.00008	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**.07115**	**-.00101**	**.00687**	**.00003**	**.00033**	W **.12520**	**-.00033**	**.00062**	**.00086**	**.01399**	W **.00569**
Stddev	.00041	.02535	.00096	.00081	.00004	.00026	.00940	.00019	.00041	.00194	.00035	.00189
%RSD	6.1329	35.632	94.518	11.727	108.42	78.684	7.5087	57.274	66.436	225.56	2.5352	33.226
#1	.00642	.08908	-.00034	.00630	.00001	.00051	.11855	-.00019	.00091	.00223	.01424	.00435
#2	.00700	.05322	-.00169	.00744	.00006	.00015	.13185	-.00046	.00033	-.00051	.01374	.00702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.01383**	**.02959**	**.00414**	**.00024**	**-.00010**	**.00010**	**.00118**	**-.01303**	**-.00027**	**.00389**	**.00024**
Stddev	.00234	.00001	.00003	.00008	.00008	.00036	.00003	.00044	.02085	.00058	.00054	.00220
%RSD	217.56	.08748	.08748	1.8712	32.197	362.10	25.465	37.078	160.00	214.65	13.831	905.45
#1	-.00058	.01382	.02957	.00419	.00029	-.00035	.00012	.00149	-.02778	.00014	.00427	.00180
#2	.00273	.01383	.02960	.00408	.00018	.00015	.00008	.00087	.00171	-.00068	.00351	-.00132
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.7**	**101550.**	**8163.3**
Stddev	16.4	387.	53.3
%RSD	.20652	.38103	.65280
#1	7920.1	101280.	8201.0
#2	7943.3	101820.	8125.6

Sample Name: CCVL2367586 Acquired: 11/8/2013 18:31:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.11630**	**.01447**	**.10067**	**.01032**	**.00106**	**.12364**	**.21256**	**.00540**	**.01080**	**.01065**	**.01587**	**.10180**
Stddev	.00058	.00901	.00133	.00015	.00020	.00006	.00132	.00274	.00001	.00036	.00005	.00016	.00310
%RSD	5.8489	7.7496	9.1630	.14521	1.9838	5.5608	1.0667	1.2911	.27524	3.3373	.44609	.99083	3.0471
#1	.00946	.10993	.01353	.10057	.01018	.00102	.12457	.21062	.00541	.01055	.01062	.01598	.09961
#2	.01027	.12267	.01540	.10078	.01047	.00110	.12270	.21450	.00538	.01106	.01069	.01576	.10400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1542**	**.00927**	**.21099**	**.01049**	**.02070**	**1.1787**	**.04214**	**2.8875**	**.01075**	**.01788**	**.01249**	**.01758**	**.50848**
Stddev	.0142	.00064	.00305	.00005	.00050	.0139	.00002	.0239	.00066	.00844	.00303	.00208	.01283
%RSD	.45129	6.8550	1.4447	.47884	2.4066	1.1781	.05488	.82790	6.1757	47.204	24.251	11.802	2.5232
#1	3.1441	.00972	.20883	.01053	.02035	1.1689	.04216	2.9045	.01122	.01191	.01464	.01905	.49941
#2	3.1642	.00882	.21314	.01046	.02105	1.1885	.04213	2.8706	.01028	.02385	.01035	.01612	.51756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0882**	**.10650**	**.01029**	**.01599**	**.00992**	**.01783**	F **.08668**	**.00998**	**.02543**	**.01528**
Stddev	.0275	.00013	.00010	.00182	.00040	.00021	.03510	.00062	.00063	.00138
%RSD	2.5232	.12670	.97998	11.355	4.0036	1.1918	40.492	6.2576	2.4749	9.0071
#1	1.0687	.10641	.01022	.01727	.00964	.01798	.06186	.01042	.02588	.01625
#2	1.1076	.10660	.01037	.01470	.01020	.01768	.11150	.00954	.02499	.01431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8047.6**	**102860.**	**8370.0**
Stddev	17.8	265.	23.4
%RSD	.22106	.25743	.27974
#1	8035.0	103050.	8386.6
#2	8060.2	102670.	8353.5

Sample Name: 280-48776-d-6-b Acquired: 11/8/2013 18:33:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00394**	**.00000**	**.10635**	**.00021**	**.00002**	**-.00157**	**.02147**	**.00018**	**-.00009**
Stddev	.00060	.00002	.0014	.00085	.00028	.00002	.00063	.00041	.00000	.00002
%RSD	897.68	.46710	593170.	.79974	134.16	75.897	40.246	1.9049	1.4177	21.803
#1	-.00036	.00393	.00096	.10696	.00041	.00001	-.00112	.02175	.00018	-.00008
#2	.00049	.00395	-.00096	.10575	.00001	.00004	-.00201	.02118	.00018	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00044**	**.00799**	**.11572**	**-.00141**	**.00276**	**.00028**	**.00015**	**6.4726**	**-.00004**
Stddev	.00002	.00005	.00082	.01696	.00237	.00286	.00000	.00006	.0213	.00007
%RSD	6.8273	11.578	10.309	14.657	167.83	103.88	.64894	37.284	.32891	168.65
#1	.00035	.00048	.00740	.10373	.00026	.00073	.00028	.00019	6.4877	.00001
#2	.00032	.00040	.00857	.12772	-.00308	.00478	.00028	.00011	6.4576	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00077**	**.03304**	**.00027**	**.00043**	**5.0448**	**10.796**	**.00231**	**.00022**	**-.00091**
Stddev	.00108	.00072	.00284	.00032	.00005	.0101	.022	.00028	.00005	.00279
%RSD	67.439	94.042	8.6027	118.40	11.130	.19922	.19922	12.199	25.116	305.58
#1	.00237	.00026	.03103	.00049	.00047	5.0519	10.811	.00251	.00025	.00106
#2	.00084	.00128	.03505	.00004	.00040	5.0377	10.781	.00211	.00018	-.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00040**	**.03344**	**-.00041**	**.00403**	**.00037**
Stddev	.00010	.00033	.00391	.00017	.00003	.00157
%RSD	137.67	80.972	11.704	40.474	.64293	420.82
#1	.00000	.00063	.03621	-.00030	.00401	.00148
#2	-.00015	.00017	.03067	-.00053	.00405	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8191.5**	**104320.**	**8414.6**
Stddev	16.5	693.	37.1
%RSD	.20107	.66428	.44125
#1	8179.9	103830.	8388.3
#2	8203.2	104810.	8440.8

Sample Name: 280-48776-d-1-b Acquired: 11/8/2013 18:35:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00390**	**-.00095**	**.01638**	**.92627**	**.00006**	**-.00145**	**51.282**	**.00048**	**-.00025**
Stddev	.00027	.00008	.00080	.00040	.00429	.00009	.00001	.079	.00013	.00007
%RSD	35.316	2.1180	84.415	2.4555	.46359	155.09	.67091	.15362	28.076	27.427
#1	-.00057	.00396	-.00038	.01666	.92931	-.00001	-.00146	51.338	.00038	-.00029
#2	-.00095	.00384	-.00152	.01609	.92324	.00012	-.00144	51.226	.00057	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00121**	**.03846**	**2.8672**	**.01126**	**9.4838**	**.11912**	**.00103**	**24.417**	**-.00038**
Stddev	.00004	.00001	.00030	.0149	.00087	.0435	.00043	.00019	.178	.00043
%RSD	17.591	.86509	.79049	.51778	7.7435	.45918	.36259	18.359	.72979	113.10
#1	.00021	.00121	.03867	2.8567	.01187	9.5146	.11943	.00089	24.291	-.00008
#2	.00027	.00122	.03824	2.8777	.01064	9.4530	.11881	.00116	24.543	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00589**	**-.00016**	**4.1959**	**.00066**	**.00318**	**5.9924**	**12.824**	**.00145**	**1.7157**	**.00023**
Stddev	.00063	.00177	.0055	.00141	.00047	.0306	.065	.00007	.0039	.00080
%RSD	10.678	1079.1	.13054	213.05	14.828	.50994	.50994	5.0982	.22722	349.06
#1	.00545	-.00141	4.1998	.00165	.00352	5.9708	12.778	.00140	1.7184	-.00034
#2	.00634	.00109	4.1921	-.00033	.00285	6.0141	12.870	.00150	1.7129	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00016**	**-.00278**	**-.00024**	**.00450**	**-.00099**
Stddev	.00009	.00072	.00139	.00047	.00047	.00083
%RSD	28.612	450.87	49.964	190.72	10.432	83.414
#1	.00024	.00067	-.00376	.00009	.00483	-.00158
#2	.00036	-.00035	-.00180	-.00057	.00417	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7978.0**	**101120.**	**8440.4**
Stddev	1.0	83.	38.3
%RSD	.01218	.08160	.45370
#1	7978.7	101060.	8413.3
#2	7977.3	101180.	8467.4

Sample Name: 280-48776-d-2-b Acquired: 11/8/2013 18:38:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00285**	**.00302**	**.03435**	**.08139**	**.00013**	**-.00224**	**131.86**	**.00063**	**-.00041**
Stddev	.00039	.00011	.00104	.00012	.00013	.00003	.00116	.03	.00003	.00009
%RSD	833.28	3.6915	34.565	.36046	.15599	24.198	51.827	.01907	5.5325	23.370
#1	.00023	.00292	.00376	.03444	.08130	.00015	-.00142	131.84	.00065	-.00034
#2	-.00033	.00277	.00228	.03426	.08148	.00011	-.00306	131.88	.00060	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00148**	**.00705**	**3.1653**	**.02461**	**47.761**	**.00791**	**.00064**	**181.29**	**.00034**
Stddev	.00003	.00028	.00125	.0403	.00124	.034	.00003	.00031	.56	.00016
%RSD	1.5800	19.167	17.729	1.2745	5.0428	.07047	.34588	48.851	.31020	46.083
#1	.00166	.00128	.00617	3.1367	.02548	47.737	.00793	.00086	180.89	.00045
#2	.00162	.00168	.00793	3.1938	.02373	47.785	.00789	.00042	181.68	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01990**	**-.00037**	**114.81**	**.00017**	**.00268**	**6.7793**	**14.508**	**.00146**	**2.0806**	**-.00086**
Stddev	.00207	.00019	.24	.00090	.00058	.0551	.118	.00048	.0014	.00125
%RSD	10.390	51.605	.20708	519.93	21.539	.81288	.81288	32.944	.06874	144.24
#1	.01844	-.00024	114.97	-.00046	.00309	6.7403	14.424	.00112	2.0816	.00002
#2	.02136	-.00051	114.64	.00081	.00227	6.8182	14.591	.00180	2.0796	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00092**	**.01307**	**.00035**	**.00785**	**.00241**
Stddev	.00001	.00049	.02073	.00012	.00003	.00086
%RSD	3.6404	53.886	158.67	35.244	.41313	35.682
#1	.00018	.00126	.02773	.00043	.00788	.00302
#2	.00019	.00057	-.00159	.00026	.00783	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7644.7**	**96381.**	**8332.3**
Stddev	22.4	246.	51.0
%RSD	.29294	.25495	.61243
#1	7628.9	96555.	8368.4
#2	7660.5	96207.	8296.2

Sample Name: 280-48776-d-3-b Acquired: 11/8/2013 18:40:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.01578**	**-.00070**	**.03371**	**.08176**	**.00014**	**-.00497**	**133.45**	**.00080**	**-.00035**
Stddev	.00008	.00027	.00007	.00009	.00029	.00003	.00246	.08	.00016	.00009
%RSD	10.517	1.7188	9.2505	.26988	.35220	22.572	49.551	.05809	19.556	25.005
#1	-.00081	.01597	-.00075	.03378	.08196	.00016	-.00671	133.50	.00091	-.00029
#2	-.00070	.01559	-.00066	.03365	.08155	.00011	-.00323	133.39	.00069	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00126**	**.01931**	**3.0476**	**.02594**	**47.813**	**.01173**	**.00076**	**183.66**	**.00038**
Stddev	.00002	.00001	.00149	.0140	.00323	.119	.00007	.00008	.10	.00018
%RSD	1.3011	1.0141	7.7161	.45766	12.461	.24799	.57674	10.381	.05404	46.661
#1	.00162	.00127	.01826	3.0377	.02366	47.729	.01168	.00070	183.73	.00051
#2	.00159	.00125	.02037	3.0575	.02823	47.897	.01178	.00082	183.59	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01870**	**.00007**	**115.68**	**-.00446**	**.00249**	**6.8681**	**14.698**	**.00019**	**2.1076**	**-.00090**
Stddev	.00059	.00137	.10	.00460	.00168	.0337	.072	.00014	.0036	.00156
%RSD	3.1759	1982.6	.08575	103.02	67.414	.49055	.49055	71.304	.16991	173.50
#1	.01912	-.00090	115.75	-.00121	.00130	6.8919	14.749	.00009	2.1102	-.00201
#2	.01828	.00104	115.61	-.00771	.00367	6.8443	14.647	.00028	2.1051	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00070**	**-.02971**	**.00074**	**.00681**	**.00052**
Stddev	.00017	.00079	.04208	.00012	.00036	.00062
%RSD	44.207	113.14	141.65	16.697	5.2902	119.89
#1	.00027	.00126	.00005	.00065	.00656	.00096
#2	.00051	.00014	-.05946	.00083	.00706	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7637.7**	**96603.**	**8296.3**
Stddev	1.9	337.	55.4
%RSD	.02457	.34850	.66727
#1	7636.3	96365.	8335.5
#2	7639.0	96841.	8257.2

Sample Name: 280-48776-d-4-b Acquired: 11/8/2013 18:42:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00290**	**.00049**	**.01777**	**.10352**	**.00006**	**-.00220**	**58.448**	**.00055**	**-.00011**
Stddev	.00005	.00003	.00171	.00026	.00001	.00004	.00056	.050	.00010	.00000
%RSD	10.996	.96111	347.77	1.4562	.00661	59.662	25.668	.08609	18.644	3.8571
#1	-.00052	.00292	.00170	.01795	.10352	.00004	-.00259	58.412	.00048	-.00011
#2	-.00045	.00288	-.00072	.01758	.10353	.00009	-.00180	58.483	.00063	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**.00097**	**.01341**	**1.7100**	**.00931**	**13.169**	**.00367**	**.00082**	**28.912**	**.00016**
Stddev	.00015	.00021	.00206	.0875	.00114	.012	.00003	.00022	.202	.00026
%RSD	4.0576	22.170	15.390	5.1189	12.203	.09440	.83653	27.382	.69861	160.34
#1	.00352	.00112	.01486	1.6481	.00851	13.178	.00369	.00098	28.769	-.00002
#2	.00373	.00082	.01195	1.7719	.01012	13.160	.00365	.00066	29.055	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**.00087**	**21.698**	**.00072**	**.00125**	**6.3619**	**13.615**	**.00126**	**.78804**	**-.00204**
Stddev	.00062	.00047	.025	.00076	.00043	.0211	.045	.00043	.00037	.00026
%RSD	10.433	53.418	.11461	104.71	34.216	.33202	.33202	33.954	.04738	12.823
#1	.00640	.00120	21.716	.00019	.00095	6.3470	13.583	.00156	.78777	-.00185
#2	.00552	.00054	21.681	.00126	.00155	6.3769	13.646	.00096	.78830	-.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00011**	**.00150**	**-.00018**	**.00548**	**.00069**
Stddev	.00026	.00011	.01411	.00088	.00016	.00121
%RSD	1552.3	102.21	938.38	492.64	2.9708	174.59
#1	.00017	-.00018	-.00847	-.00080	.00560	-.00016
#2	-.00020	-.00003	.01148	.00044	.00537	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7893.4**	**100980.**	**8381.8**
Stddev	5.0	121.	100.1
%RSD	.06341	.11983	1.1948
#1	7896.9	100890.	8311.0
#2	7889.8	101060.	8452.6

Sample Name: 280-48776-d-5-b Acquired: 11/8/2013 18:45:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.01692**	**-.00134**	**.01957**	**.13027**	**.00004**	**-.00004**	**52.901**	**.00027**	**-.00039**
Stddev	.00004	.00025	.00254	.00072	.00055	.00007	.00259	.132	.00021	.00031
%RSD	14.152	1.4719	189.80	3.6785	.42374	176.64	6441.7	.24912	77.139	78.332
#1	-.00024	.01710	.00046	.01906	.13066	-.00001	-.00187	52.994	.00041	-.00018
#2	-.00030	.01674	-.00314	.02008	.12988	.00009	.00179	52.808	.00012	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00079**	**.01788**	**1.6725**	**.00917**	**12.072**	**.00248**	**.00083**	**46.943**	**-.00005**
Stddev	.00012	.00040	.00237	.0207	.00015	.002	.00000	.00001	.544	.00030
%RSD	65.455	50.409	13.250	1.2364	1.6345	.01756	.11426	1.7460	1.1581	567.97
#1	.00028	.00107	.01956	1.6871	.00906	12.071	.00248	.00082	47.327	.00016
#2	.00010	.00051	.01621	1.6579	.00928	12.074	.00248	.00084	46.558	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00647**	**.00097**	**29.131**	**-.00281**	**.00145**	**6.0603**	**12.969**	**.00050**	**.55438**	**-.00044**
Stddev	.00011	.00065	.078	.00032	.00068	.0454	.097	.00006	.00077	.00002
%RSD	1.6864	67.766	.26777	11.462	46.669	.74850	.74850	11.924	.13939	4.4413
#1	.00639	.00050	29.186	-.00258	.00193	6.0923	13.038	.00046	.55493	-.00045
#2	.00655	.00143	29.076	-.00304	.00097	6.0282	12.900	.00055	.55383	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00079**	**-.01137**	**-.00019**	**.00428**	**.00193**
Stddev	.00012	.00091	.01750	.00015	.00034	.00122
%RSD	23.374	115.09	153.94	75.983	7.9997	63.476
#1	.00043	.00015	-.02374	-.00009	.00404	.00106
#2	.00060	.00144	.00101	-.00030	.00452	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7915.3**	**100320.**	**8488.8**
Stddev	10.7	168.	25.0
%RSD	.13534	.16786	.29396
#1	7907.7	100440.	8506.4
#2	7922.8	100200.	8471.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:47:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**50.937**	**.00184**	**.00631**	**.00031**	**.00008**	**1.0044**	**.01963**	**.00008**	**-.00098**	**-.00005**	**.00714**	**48.797**
Stddev	.00101	.026	.00084	.00059	.00045	.00011	.0020	.00521	.00006	.00010	.00002	.00022	.036
%RSD	28.942	.05010	45.609	9.3416	143.67	128.86	.19751	26.554	70.623	10.332	37.317	3.1165	.07459
#1	.00421	50.919	.00125	.00589	.00063	.00016	1.0030	.01594	.00012	-.00091	-.00004	.00698	48.823
#2	.00278	50.955	.00243	.00672	.00000	.00001	1.0058	.02332	.00004	-.00105	-.00006	.00730	48.772
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10681**	**.00099**	**.08657**	**.00026**	**-.00040**	**255.60**	**.00001**	**.00220**	**.00123**	**5.0171**	**.00118**	**-.00110**	**.03070**
Stddev	.02565	.00139	.00093	.00001	.00028	.38	.00033	.00050	.00046	.0009	.00079	.00054	.02896
%RSD	24.019	141.22	1.0695	5.6239	69.147	.14843	3800.1	22.830	37.037	.01838	67.013	49.676	94.307
#1	.08867	.00000	.08592	.00027	-.00021	255.33	-.00023	.00255	.00091	5.0165	.00174	-.00071	.05118
#2	.12495	.00197	.08723	.00025	-.00060	255.86	.00024	.00184	.00155	5.0178	.00062	-.00148	.01023
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06571**	**.00148**	**.00055**	**4.8682**	**-.00493**	**.00163**	**10.255**	**.00018**	**.00134**	**.01508**
Stddev	.06197	.00024	.00014	.0006	.00035	.00087	.062	.00060	.00002	.00033
%RSD	94.307	16.128	25.042	.01277	7.0036	53.361	.60109	340.24	1.7150	2.2100
#1	.10952	.00131	.00045	4.8677	-.00518	.00225	10.211	-.00025	.00135	.01484
#2	.02189	.00165	.00065	4.8686	-.00469	.00102	10.299	.00060	.00132	.01531
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7778.8**	**97081.**	**8278.0**
Stddev	15.2	140.	50.7
%RSD	.19522	.14457	.61201
#1	7789.5	97180.	8242.2
#2	7768.0	96982.	8313.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:49:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50073**	**.52175**	**1.0042**	**.51083**	**.50722**	**.50401**	**.00183**	**5.0876**	**.50734**	**.51074**	**.50687**	**.51202**	**2.4604**
Stddev	.00216	.00299	.0074	.00310	.00001	.00045	.00162	.0004	.00026	.00117	.00073	.00004	.0150
%RSD	.43223	.57392	.73727	.60642	.00104	.08935	88.265	.00734	.05188	.22937	.14449	.00743	.61103
#1	.50226	.52386	.99899	.50864	.50722	.50432	.00069	5.0879	.50753	.51156	.50739	.51205	2.4498
#2	.49920	.51963	1.0095	.51302	.50723	.50369	.00298	5.0874	.50716	.50991	.50635	.51199	2.4710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.428**	**1.0125**	**19.912**	**.50476**	**.51320**	**5.3960**	**.51774**	**1.0068**	**1.0424**	**.01842**	**1.0267**	**1.0059**	**4.9965**
Stddev	.193	.0022	.070	.00088	.00084	.0186	.00041	.0024	.0010	.00539	.0028	.0006	.0509
%RSD	.37522	.22046	.34902	.17425	.16459	.34482	.07900	.23415	.09454	29.279	.27124	.06065	1.0179
#1	51.564	1.0110	19.961	.50539	.51260	5.4092	.51803	1.0052	1.0431	.02224	1.0248	1.0063	4.9605
#2	51.292	1.0141	19.863	.50414	.51380	5.3829	.51746	1.0085	1.0417	.01461	1.0287	1.0054	5.0325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.693**	**1.0233**	**.50550**	**-.00438**	**.50799**	**1.0426**	**.04056**	**.51072**	**.50710**	**.50478**
Stddev	.109	.0007	.00089	.00074	.00030	.0012	.05067	.00020	.00002	.00318
%RSD	1.0179	.06503	.17656	16.899	.05930	.11523	124.93	.03996	.00428	.63074
#1	10.616	1.0238	.50487	-.00385	.50821	1.0418	.00473	.51087	.50711	.50253
#2	10.769	1.0229	.50613	-.00490	.50778	1.0435	.07639	.51058	.50708	.50703
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.4**	**101400.**	**8291.2**
Stddev	28.2	161.	6.6
%RSD	.35108	.15917	.08013
#1	7999.4	101290.	8286.5
#2	8039.3	101520.	8295.9

Sample Name: CCB Acquired: 11/8/2013 18:51:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00288**	W **.00442**	**.00224**	**.00014**	**.00018**	**.00246**	**.00023**	**.00031**	**-.00003**	**.00013**	**.00023**
Stddev	.00055	.00037	.00045	.00006	.00011	.00005	.00015	.00065	.00029	.00006	.00000	.00002
%RSD	146.21	12.831	10.174	2.5293	77.298	25.251	6.2158	281.45	93.159	231.49	1.0050	7.8946
#1	-.00076	.00314	.00411	.00228	.00021	.00015	.00235	-.00023	.00052	-.00007	.00013	.00021
#2	.00001	.00262	.00474	.00220	.00006	.00021	.00256	.00069	.00011	.00002	.00013	.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441									
Low Limit			-.00441									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**.11754**	**.00240**	**.00306**	**.00005**	**.00039**	W **.10625**	**-.00021**	**-.00090**	**.00070**	**.01605**	F **.00878**
Stddev	.00024	.00235	.00228	.00064	.00004	.00015	.01743	.00018	.00028	.00062	.00119	.00067
%RSD	8.2025	1.9958	95.179	20.885	76.442	38.223	16.406	84.965	31.437	88.928	7.4172	7.6134
#1	.00315	.11588	.00078	.00261	.00008	.00028	.09392	-.00034	-.00070	.00026	.01689	.00830
#2	.00280	.11920	.00401	.00352	.00002	.00049	.11857	-.00008	-.00110	.00114	.01521	.00925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00368**	**.00787**	**.00144**	**.00005**	**.00183**	**.00012**	**.00014**	**.02262**	**-.00017**	**.00370**	**.00009**
Stddev	.00353	.01760	.03767	.00031	.00001	.00032	.00000	.00004	.01651	.00016	.00020	.00192
%RSD	282.46	478.78	478.78	21.905	29.427	17.694	.23498	27.413	72.996	92.885	5.4737	2248.0
#1	.00374	-.00877	-.01877	.00166	.00004	.00206	.00012	.00011	.03429	-.00006	.00356	.00144
#2	-.00125	.01612	.03451	.00121	.00006	.00160	.00012	.00017	.01094	-.00028	.00385	-.00127
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8015.1**	**102720.**	**8349.8**
Stddev	2.5	339.	14.2
%RSD	.03141	.33044	.16950
#1	8013.3	102960.	8359.8
#2	8016.9	102480.	8339.8

Sample Name: CCVL2367586 Acquired: 11/8/2013 18:54:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.11042**	**.01382**	**.09863**	**.01047**	**.00121**	**.12301**	**.21672**	**.00538**	**.01066**	**.01049**	**.01646**	**.10281**	**3.1777**
Stddev	.00000	.00024	.00261	.00021	.00011	.00001	.00632	.00217	.00007	.00009	.00008	.00025	.00120	.0704
%RSD	.01762	.21467	18.858	.21643	1.0775	.50546	5.1378	1.0021	1.3336	.84801	.76065	1.5425	1.1719	2.2146
#1	.01031	.11059	.01197	.09848	.01039	.00122	.12748	.21825	.00543	.01072	.01054	.01628	.10196	3.2274
#2	.01031	.11026	.01566	.09878	.01055	.00121	.11854	.21518	.00533	.01060	.01043	.01664	.10366	3.1279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01200**	**.21049**	**.01053**	**.02044**	**1.1665**	**.04253**	**2.8900**	**.01071**	**.01266**	**.00960**	**.01348**	**.50279**	**1.0760**	**.10340**
Stddev	.00008	.00222	.00021	.00013	.0059	.00004	.0098	.00033	.00317	.00342	.00178	.00660	.0141	.00069
%RSD	.62905	1.0548	1.9711	.64657	.50866	.08467	.33854	3.0998	25.063	35.569	13.195	1.3118	1.3118	.66458
#1	.01206	.20892	.01038	.02053	1.1707	.04255	2.8969	.01048	.01491	.01202	.01222	.50745	1.0859	.10389
#2	.01195	.21206	.01067	.02034	1.1623	.04250	2.8831	.01095	.01042	.00719	.01474	.49813	1.0660	.10292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.01713**	**.01020**	**.01732**	**.06421**	**.01023**	**.02497**	**.01502**
Stddev	.00005	.00170	.00015	.00075	.01844	.00006	.00016	.00102
%RSD	.49028	9.9156	1.4695	4.3322	28.716	.56447	.63285	6.8202
#1	.01057	.01592	.01030	.01679	.07725	.01019	.02508	.01429
#2	.01049	.01833	.01009	.01785	.05117	.01027	.02486	.01574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8112.6**	**103970.**	**8369.4**
Stddev	3.6	300.	36.9
%RSD	.04412	.28879	.44036
#1	8115.2	104180.	8343.4
#2	8110.1	103760.	8395.5

Sample Name: mb 280-199652/1-a Acquired: 11/8/2013 18:56:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00328**	**-.00019**	**.00121**	**-.00011**	**.00010**	**-.00108**	**.00572**	**.00011**	**-.00021**
Stddev	.00031	.00008	.00058	.00001	.00025	.00005	.00133	.00019	.00003	.00017
%RSD	91.311	2.3081	298.92	.74670	227.82	46.872	123.01	3.3999	27.840	84.905
#1	-.00012	.00333	-.00060	.00122	-.00029	.00013	-.00014	.00558	.00013	-.00008
#2	-.00055	.00323	.00021	.00121	.00007	.00006	-.00202	.00586	.00008	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00033**	**.00778**	**.02082**	**-.00085**	**.00123**	**.00005**	**.00011**	**.06350**	**-.00007**
Stddev	.00010	.00004	.00013	.01340	.00003	.00203	.00005	.00016	.01630	.00019
%RSD	35.490	12.332	1.6525	64.359	3.2528	164.84	103.84	139.34	25.672	285.50
#1	.00021	.00030	.00787	.03029	-.00087	-.00020	.00001	.00022	.05197	-.00020
#2	.00035	.00036	.00769	.01134	-.00083	.00267	.00008	.00000	.07503	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00094**	**.01192**	**-.00090**	**-.00030**	**-.00042**	**-.00090**	**.00086**	**.00002**	**.00061**
Stddev	.00127	.00045	.00022	.00101	.00520	.01726	.03694	.00009	.00006	.00093
%RSD	119.19	48.413	1.8814	111.26	1724.3	4125.3	4125.3	10.256	229.88	152.31
#1	.00017	.00126	.01177	-.00162	-.00398	.01179	.02523	.00079	.00006	.00126
#2	.00197	.00062	.01208	-.00019	.00338	-.01263	-.02702	.00092	-.00002	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00042**	**.00101**	**.00021**	**.00308**	**.00140**
Stddev	.00022	.00017	.01621	.00019	.00002	.00201
%RSD	121.32	39.540	1604.3	91.072	.66608	143.38
#1	.00003	.00030	-.01045	.00008	.00309	.00283
#2	.00034	.00054	.01247	.00035	.00306	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.4**	**103910.**	**8454.0**
Stddev	17.4	247.	207.3
%RSD	.21482	.23754	2.4522
#1	8078.1	103740.	8600.6
#2	8102.7	104080.	8307.4

Sample Name: lcs 280-199652/2-a Acquired: 11/8/2013 18:58:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04952**	**1.9675**	**1.0045**	**.99727**	**2.0636**	**.05087**	**2.2774**	**50.193**	**.10496**	**.49988**
Stddev	.00021	.0030	.0017	.00162	.0029	.00008	.0010	.096	.00042	.00046
%RSD	.42296	.15339	.16654	.16221	.14159	.15584	.04259	.19079	.40030	.09155
#1	.04937	1.9696	1.0034	.99612	2.0615	.05081	2.2780	50.261	.10526	.49955
#2	.04967	1.9653	1.0057	.99841	2.0657	.05092	2.2767	50.125	.10467	.50020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20366**	**.26040**	**.98665**	**52.168**	**1.0209**	**49.729**	**.50451**	**1.0145**	**54.026**	**.49901**
Stddev	.00014	.00060	.00300	.033	.0017	.020	.00109	.0000	.508	.00015
%RSD	.06747	.22871	.30359	.06323	.17038	.04049	.21554	.00061	.93977	.02954
#1	.20375	.26082	.98877	52.145	1.0196	49.743	.50528	1.0145	54.385	.49890
#2	.20356	.25997	.98453	52.191	1.0221	49.715	.50374	1.0145	53.667	.49911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.090**	**.49762**	**.00325**	**.50313**	**1.9798**	**10.175**	**21.774**	**1.9910**	**1.0235**	**1.0258**
Stddev	.028	.00215	.00103	.00034	.0089	.053	.114	.0118	.0011	.0003
%RSD	.27254	.43295	31.720	.06776	.45094	.52317	.52317	.59437	.10551	.02548
#1	10.070	.49915	.00397	.50289	1.9861	10.213	21.855	1.9994	1.0227	1.0259
#2	10.109	.49610	.00252	.50337	1.9735	10.137	21.694	1.9827	1.0242	1.0256
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0263**	**1.9764**	**2.1698**	**.51896**	**.50040**	**.51723**
Stddev	.0025	.0140	.0035	.00070	.00009	.00229
%RSD	.24010	.71010	.15926	.13443	.01745	.44369
#1	1.0281	1.9864	2.1722	.51847	.50034	.51886
#2	1.0246	1.9665	2.1673	.51945	.50046	.51561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7751.6**	**97503.**	**8209.2**
Stddev	12.2	294.	47.7
%RSD	.15738	.30130	.58084
#1	7743.0	97710.	8175.5
#2	7760.2	97295.	8243.0

Sample Name: 280-48829-a-1-a Acquired: 11/8/2013 19:01:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00796**	**.97268**	**.00485**	**.05830**	**.20692**	**.00014**	**-.00372**	**75.810**	**.00050**	**.00085**
Stddev	.00071	.00058	.00047	.00066	.00047	.00006	.00105	.018	.00012	.00020
%RSD	8.9013	.05930	9.6857	1.1328	.22654	38.614	28.294	.02357	24.039	23.123
#1	.00846	.97308	.00452	.05877	.20725	.00011	-.00446	75.822	.00059	.00071
#2	.00746	.97227	.00518	.05783	.20658	.00018	-.00297	75.797	.00042	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00758**	**1.2556**	**20.546**	**.01046**	**19.288**	**.27470**	**.00258**	**23.614**	**.01239**
Stddev	.00015	.00026	.0003	.083	.00046	.067	.00092	.00050	.274	.00011
%RSD	10.598	3.4641	.02649	.40417	4.3882	.34568	.33480	19.526	1.1596	.89777
#1	.00151	.00740	1.2553	20.605	.01079	19.241	.27405	.00294	23.808	.01247
#2	.00130	.00777	1.2558	20.488	.01014	19.335	.27535	.00223	23.420	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1936**	**.00169**	**16.961**	**.00027**	**.00857**	**8.8977**	**19.041**	**.00095**	**.34848**	**.00004**
Stddev	.0110	.00122	.039	.00368	.00111	.0169	.036	.00096	.00047	.00099
%RSD	.92437	72.217	.23045	1352.7	12.949	.18953	.18953	100.34	.13520	2281.4
#1	1.2014	.00083	16.989	-.00233	.00778	8.9096	19.067	.00028	.34882	.00074
#2	1.1858	.00255	16.934	.00287	.00935	8.8857	19.015	.00163	.34815	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02151**	**.00036**	**-.00702**	**.00548**	**.02381**	**.00274**
Stddev	.00102	.00131	.01823	.00008	.00020	.00051
%RSD	4.7260	365.85	259.46	1.3743	.82317	18.423
#1	.02223	-.00057	-.01991	.00542	.02367	.00239
#2	.02079	.00129	.00586	.00553	.02395	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7898.2**	**99498.**	**8269.3**
Stddev	11.8	63.	41.4
%RSD	.14969	.06357	.50082
#1	7906.5	99542.	8240.0
#2	7889.8	99453.	8298.6

Sample Name: 280-48829-a-1-aSD@5 Acquired: 11/8/2013 19:03:19 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.23199**	**.00161**	**.01388**	**.04432**	**.00010**	**-.00173**	**16.144**	**.00030**	**.00028**
Stddev	.00035	.00066	.00178	.00056	.00004	.00005	.00033	.062	.00001	.00021
%RSD	40.113	.28458	110.55	4.0564	.09402	45.819	19.143	.38270	3.9481	75.088
#1	.00113	.23152	.00288	.01428	.04435	.00007	-.00196	16.100	.00030	.00013
#2	.00063	.23246	.00035	.01348	.04429	.00013	-.00149	16.188	.00029	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00150**	**.28798**	**4.3319**	**.00248**	**4.1582**	**.05947**	**.00066**	**4.9543**	**.00276**
Stddev	.00001	.00031	.00006	.0920	.00008	.0093	.00002	.00021	.0040	.00021
%RSD	2.9721	20.656	.01991	2.1236	3.1179	.22346	.04034	31.681	.08068	7.4962
#1	.00046	.00172	.28802	4.2668	.00242	4.1517	.05945	.00081	4.9515	.00291
#2	.00048	.00128	.28794	4.3969	.00253	4.1648	.05949	.00051	4.9571	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24724**	**.00039**	**3.5151**	**.00126**	**.00149**	**1.8831**	**4.0298**	**.00287**	**.07450**	**.00215**
Stddev	.00139	.00008	.0019	.00154	.00252	.0127	.0272	.00053	.00056	.00032
%RSD	.56133	20.562	.05511	122.37	168.87	.67425	.67425	18.390	.74751	14.812
#1	.24822	.00045	3.5165	.00235	.00327	1.8741	4.0106	.00325	.07411	.00193
#2	.24625	.00033	3.5137	.00017	-.00029	1.8921	4.0490	.00250	.07489	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.00071**	**-.01488**	**.00080**	**.01112**	**.00173**
Stddev	.00047	.00068	.04345	.00060	.00029	.00033
%RSD	9.5077	94.794	291.89	75.215	2.5887	19.278
#1	.00458	.00119	.01584	.00037	.01132	.00196
#2	.00524	.00024	-.04560	.00122	.01092	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.3**	**101070.**	**8166.8**
Stddev	12.2	81.	36.3
%RSD	.15393	.08008	.44497
#1	7943.9	101120.	8192.5
#2	7926.7	101010.	8141.1

Sample Name: 280-48829-a-1-b ms Acquired: 11/8/2013 19:05:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05015**	**4.0680**	**1.0229**	**1.0725**	**2.3149**	**.05220**	F **2.2921**	**128.09**	**.10650**	**.50389**
Stddev	.00099	.0028	.0016	.0030	.0024	.00007	.0065	.30	.00008	.00025
%RSD	1.9665	.06854	.15271	.27735	.10326	.13107	.28552	.23353	.07266	.05038
#1	.04946	4.0700	1.0240	1.0704	2.3165	.05225	2.2875	128.31	.10655	.50371
#2	.05085	4.0661	1.0218	1.0746	2.3132	.05216	2.2968	127.88	.10644	.50407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20750**	**.27044**	**2.4636**	**74.703**	**1.0549**	**70.090**	**.79160**	**1.0379**	**78.399**	**.50449**
Stddev	.00011	.00037	.0120	.155	.0003	.034	.00143	.0034	.087	.00045
%RSD	.05350	.13714	.48692	.20694	.03269	.04870	.18114	.32240	.11103	.09003
#1	.20758	.27070	2.4721	74.812	1.0547	70.066	.79059	1.0356	78.337	.50417
#2	.20742	.27018	2.4551	74.593	1.0551	70.114	.79262	1.0403	78.461	.50481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.625**	**.49761**	**17.507**	**.50999**	**2.0081**	**20.998**	**44.935**	W **2.0061**	**1.3988**	**1.0369**
Stddev	.017	.00008	.027	.00284	.0069	.058	.124	.0035	.0023	.0021
%RSD	.14936	.01540	.15686	.55604	.34548	.27491	.27491	.17304	.16737	.20436
#1	11.612	.49756	17.488	.50798	2.0130	21.038	45.022	2.0037	1.4005	1.0354
#2	11.637	.49767	17.527	.51199	2.0032	20.957	44.848	2.0086	1.3972	1.0384
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0820**	**1.9423**	**2.2178**	**.53823**	**.52610**	**.52958**
Stddev	.0011	.0032	.0123	.00076	.00241	.00002
%RSD	.10530	.16516	.55339	.14126	.45833	.00387
#1	1.0812	1.9446	2.2092	.53770	.52440	.52960
#2	1.0828	1.9401	2.2265	.53877	.52781	.52957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7674.5**	**95638.**	**8096.3**
Stddev	24.2	440.	50.1
%RSD	.31537	.45954	.61940
#1	7691.6	95949.	8060.9
#2	7657.3	95327.	8131.8

Sample Name: 280-48829-a-1-c msd Acquired: 11/8/2013 19:07:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04995**	**4.0675**	**1.0076**	**1.0519**	**2.2562**	**.05091**	F **2.2564**	**123.82**	**.10439**	**.49315**
Stddev	.00017	.0376	.0006	.0006	.0024	.00015	.0026	.11	.00027	.00070
%RSD	.33343	.92520	.05908	.05526	.10543	.29587	.11469	.08624	.25601	.14105
#1	.05007	4.0941	1.0080	1.0524	2.2579	.05102	2.2582	123.89	.10458	.49364
#2	.04983	4.0409	1.0071	1.0515	2.2545	.05080	2.2546	123.74	.10420	.49265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20382**	**.26407**	**2.4620**	**72.597**	**1.0305**	**68.261**	**.76872**	**1.0154**	**76.392**	**.49511**
Stddev	.00000	.00123	.0062	.080	.0039	.208	.00216	.0020	.110	.00140
%RSD	.00017	.46457	.25084	.11066	.37372	.30492	.28152	.19377	.14377	.28310
#1	.20382	.26494	2.4664	72.654	1.0332	68.408	.77025	1.0168	76.469	.49610
#2	.20382	.26320	2.4576	72.541	1.0277	68.113	.76719	1.0141	76.314	.49412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.364**	**.48775**	**16.826**	**.49719**	**1.9678**	**20.514**	**43.900**	**1.9663**	**1.3607**	**1.0124**
Stddev	.021	.00009	.013	.00218	.0005	.019	.041	.0031	.0014	.0025
%RSD	.18446	.01786	.07662	.43913	.02669	.09256	.09256	.15502	.10413	.24306
#1	11.350	.48781	16.835	.49873	1.9674	20.527	43.928	1.9641	1.3617	1.0141
#2	11.379	.48769	16.816	.49564	1.9681	20.500	43.871	1.9684	1.3597	1.0107
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0528**	**1.9109**	**2.1807**	**.52467**	**.51191**	**.51342**
Stddev	.0009	.0035	.0069	.00196	.00129	.00240
%RSD	.08377	.18225	.31500	.37383	.25209	.46745
#1	1.0521	1.9133	2.1759	.52328	.51283	.51512
#2	1.0534	1.9084	2.1856	.52605	.51100	.51173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7667.5**	**96315.**	**8141.2**
Stddev	12.4	490.	33.6
%RSD	.16230	.50850	.41275
#1	7658.7	95969.	8117.4
#2	7676.3	96661.	8164.9

Sample Name: 280-48829-a-2-a Acquired: 11/8/2013 19:09:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**10.938**	**.00760**	**.03187**	**.16468**	**.00048**	**-.00809**	**63.476**	**.00075**	**.00378**
Stddev	.00084	.020	.00070	.00095	.00029	.00007	.00407	.173	.00003	.00012
%RSD	272.91	.18424	9.1513	2.9909	.17787	14.766	50.321	.27296	3.5892	3.2729
#1	-.00090	10.924	.00711	.03254	.16489	.00053	-.00521	63.598	.00073	.00370
#2	.00029	10.952	.00810	.03120	.16447	.00043	-.01097	63.353	.00077	.00387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01166**	**.01459**	**10.190**	**11.597**	**.01268**	**14.866**	**1.0455**	**.00681**	**9.5105**	**.01295**
Stddev	.00019	.00009	.042	.036	.00013	.081	.0014	.00004	.0164	.00001
%RSD	1.6020	.62044	.40947	.31241	1.0356	.54270	.13856	.52327	.17242	.09130
#1	.01179	.01452	10.220	11.571	.01277	14.923	1.0465	.00679	9.5221	.01296
#2	.01152	.01465	10.161	11.622	.01259	14.809	1.0445	.00684	9.4989	.01294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75496**	**.00843**	**18.734**	**-.00128**	**.00147**	**27.030**	**57.843**	**.00150**	**.24176**	**.00481**
Stddev	.00057	.00053	.020	.00048	.00291	.080	.170	.00045	.00026	.00152
%RSD	.07612	6.2828	.10643	37.456	197.50	.29438	.29438	30.042	.10565	31.506
#1	.75537	.00881	18.720	-.00094	-.00058	27.086	57.964	.00119	.24194	.00589
#2	.75455	.00806	18.748	-.00162	.00353	26.973	57.723	.00182	.24158	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16686**	**.00045**	**-.04534**	**.02512**	**.06500**	**.00627**
Stddev	.00021	.00068	.00113	.00025	.00050	.00150
%RSD	.12728	150.77	2.4874	.99256	.76236	24.004
#1	.16671	-.00003	-.04455	.02494	.06535	.00520
#2	.16701	.00094	-.04614	.02529	.06465	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.3**	**100000.**	**8324.3**
Stddev	9.5	286.	93.5
%RSD	.11856	.28640	1.1229
#1	8012.6	99800.	8258.2
#2	8026.0	100210.	8390.4

Sample Name: 280-48829-a-3-a Acquired: 11/8/2013 19:12:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**25.508**	**.01140**	**.03873**	**.31599**	**.00117**	**-.01240**	**34.671**	**.00117**	**.01036**
Stddev	.00012	.059	.00171	.00017	.00052	.00002	.00282	.004	.00006	.00002
%RSD	13.261	.23124	15.001	.43961	.16358	2.0797	22.731	.01092	5.1186	.14768
#1	-.00085	25.549	.01019	.03861	.31563	.00115	-.01040	34.674	.00113	.01037
#2	-.00102	25.466	.01261	.03885	.31636	.00119	-.01439	34.669	.00122	.01035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02676**	**.03043**	**25.049**	**19.200**	**.02333**	**12.925**	**.48730**	**.01076**	**2.4648**	**.03100**
Stddev	.00002	.00005	.055	.030	.00233	.001	.00104	.00028	.0068	.00014
%RSD	.08515	.15950	.21784	.15687	9.9923	.00852	.21423	2.6268	.27526	.44526
#1	.02675	.03047	25.010	19.179	.02168	12.925	.48656	.01096	2.4600	.03110
#2	.02678	.03040	25.087	19.221	.02497	12.926	.48804	.01056	2.4696	.03090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0022**	**.01591**	**10.146**	**-.00277**	**.00292**	W **53.922**	**115.39**	**.00178**	**.13896**	**.01047**
Stddev	.0036	.00050	.024	.00309	.00064	.059	.13	.00104	.00006	.00085
%RSD	.17738	3.1354	.23357	111.52	21.889	.10895	.10895	58.710	.04542	8.0786
#1	1.9997	.01556	10.162	-.00059	.00247	53.964	115.48	.00251	.13891	.01107
#2	2.0047	.01627	10.129	-.00496	.00337	53.881	115.30	.00104	.13900	.00987
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37362**	**.00029**	W **-.05817**	**.05832**	**.11856**	**.01453**
Stddev	.00003	.00251	.00829	.00003	.00088	.00037
%RSD	.00812	872.86	14.251	.04330	.74529	2.5521
#1	.37364	.00207	-.06403	.05831	.11794	.01479
#2	.37360	-.00149	-.05230	.05834	.11919	.01427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8070.4**	**100410.**	**8342.0**
Stddev	37.0	70.	29.7
%RSD	.45807	.06999	.35585
#1	8096.6	100360.	8363.0
#2	8044.3	100460.	8321.0

Sample Name: CCVH-2357613 Acquired: 11/8/2013 19:14:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**51.324**	**.00343**	**.00633**	**.00047**	**.00009**	**.99674**	**.01624**	**-.00013**	**-.00074**	**-.00009**	**.00690**	**48.782**
Stddev	.00056	.042	.00035	.00017	.00007	.00010	.00407	.00217	.00021	.00016	.00014	.00035	.144
%RSD	21.657	.08201	10.205	2.6335	15.639	104.87	.40811	13.375	158.18	21.870	155.84	5.0437	.29540
#1	.00300	51.294	.00318	.00644	.00052	.00002	.99962	.01471	-.00028	-.00063	.00001	.00666	48.884
#2	.00220	51.354	.00367	.00621	.00042	.00016	.99386	.01778	.00002	-.00086	-.00019	.00715	48.680
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09398**	**.00109**	**.08526**	**.00046**	**-.00036**	**256.87**	**-.00021**	**.00211**	**.00223**	**4.9661**	**.00130**	**.00170**	**.04170**
Stddev	.02834	.00107	.00452	.00003	.00046	.34	.00019	.00120	.00029	.0019	.00068	.00170	.00130
%RSD	30.153	98.209	5.2963	5.9079	127.02	.13358	92.175	57.024	12.890	.03861	52.093	99.644	3.1133
#1	.11401	.00184	.08207	.00044	-.00069	256.63	-.00035	.00296	.00243	4.9675	.00178	.00290	.04078
#2	.07394	.00033	.08845	.00048	-.00004	257.11	-.00007	.00126	.00203	4.9648	.00082	.00050	.04262
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08924**	**.00033**	**.00037**	**4.8714**	**-.00494**	**.00217**	**10.292**	**.00068**	**.00218**	**.01402**
Stddev	.00278	.00030	.00010	.0121	.00041	.00152	.030	.00016	.00020	.00058
%RSD	3.1133	89.962	26.192	.24892	8.3111	69.975	.29407	24.042	9.2913	4.1526
#1	.08728	.00054	.00030	4.8800	-.00523	.00110	10.271	.00080	.00233	.01361
#2	.09121	.00012	.00044	4.8628	-.00465	.00325	10.313	.00057	.00204	.01444
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7679.0**	**95182.**	**8032.2**
Stddev	6.9	12.	36.9
%RSD	.08931	.01227	.45994
#1	7683.8	95174.	8006.1
#2	7674.1	95190.	8058.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 19:16:44 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49950**	**.52497**	**.99515**	**.50530**	**.51023**	**.50551**	**.00445**	**5.1040**	**.50682**	**.51128**	**.50365**	**.51137**	**2.4527**
Stddev	.00039	.00163	.00031	.00062	.00081	.00002	.00175	.0218	.00016	.00021	.00012	.00039	.0009
%RSD	.07733	.31008	.03098	.12184	.15911	.00494	39.370	.42706	.03115	.04163	.02400	.07685	.03643
#1	.49978	.52612	.99493	.50573	.50966	.50552	.00568	5.1194	.50671	.51143	.50374	.51165	2.4534
#2	.49923	.52382	.99537	.50486	.51080	.50549	.00321	5.0886	.50693	.51113	.50357	.51109	2.4521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.735**	**1.0164**	**19.937**	**.50737**	**.50739**	**5.3799**	**.51208**	**.99240**	**1.0361**	**.00403**	**1.0179**	**.99077**	**5.0041**
Stddev	.060	.0006	.028	.00009	.00313	.0081	.00397	.00526	.0059	.00149	.0085	.00498	.0022
%RSD	.11520	.06294	.14160	.01793	.61666	.15137	.77535	.53033	.57357	36.905	.83453	.50302	.04460
#1	51.777	1.0169	19.956	.50730	.50960	5.3856	.51489	.99613	1.0403	.00508	1.0239	.99430	5.0025
#2	51.693	1.0160	19.917	.50743	.50517	5.3741	.50927	.98868	1.0319	.00298	1.0119	.98725	5.0057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.709**	**1.0079**	**.50698**	**-.00363**	**.51113**	**1.0365**	**.03000**	**.51061**	**.50903**	**.50719**
Stddev	.005	.0060	.00028	.00094	.00012	.0057	.00483	.00243	.00163	.00078
%RSD	.04460	.59124	.05498	25.972	.02388	.54876	16.099	.47553	.32008	.15358
#1	10.705	1.0121	.50679	-.00296	.51105	1.0405	.03341	.50889	.50788	.50664
#2	10.712	1.0037	.50718	-.00429	.51122	1.0324	.02658	.51232	.51019	.50774
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7979.6**	**99803.**	**8121.1**
Stddev	8.6	11.	4.7
%RSD	.10778	.01094	.05840
#1	7985.7	99811.	8117.7
#2	7973.5	99795.	8124.4

Sample Name: CCB Acquired: 11/8/2013 19:18:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00351**	**.00166**	**.00228**	**.00002**	**.00012**	**-.00022**	**.00236**	**.00022**	**-.00003**	**.00010**	**-.00005**
Stddev	.00014	.00019	.00068	.00023	.00021	.00002	.00337	.00185	.00001	.00001	.00005	.00030
%RSD	36.488	5.3730	40.681	10.233	1095.1	14.825	1532.1	78.590	6.3423	32.902	52.294	567.69
#1	-.00048	.00338	.00214	.00212	.00017	.00010	.00216	.00367	.00023	-.00002	.00006	.00016
#2	-.00028	.00364	.00118	.00245	-.00013	.00013	-.00260	.00105	.00021	-.00004	.00013	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00728**	**.11050**	**.00087**	**.00533**	**.00004**	**.00058**	**.08448**	**.00004**	**.00022**	**.00137**	**.01089**	F **.00964**
Stddev	.00030	.01368	.00205	.00013	.00010	.00010	.01036	.00015	.00090	.00008	.00474	.00061
%RSD	4.1411	12.380	236.25	2.5144	246.16	16.517	12.257	354.25	412.56	5.5463	43.498	6.3593
#1	.00707	.12017	-.00058	.00542	.00011	.00065	.07716	-.00006	-.00042	.00131	.01424	.00921
#2	.00749	.10082	.00231	.00523	-.00003	.00051	.09181	.00015	.00086	.00142	.00754	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.01596**	**.03415**	**.00102**	**.00010**	**.00122**	**.00017**	**.00026**	**-.02874**	**-.00006**	**.00367**	**-.00002**
Stddev	.00321	.00885	.01894	.00026	.00001	.00103	.00045	.00007	.01932	.00001	.00007	.00200
%RSD	51.082	55.462	55.462	25.086	7.9311	84.927	260.80	25.171	67.228	9.3368	1.9238	10913.
#1	.00856	.00970	.02076	.00120	.00010	.00195	-.00015	.00022	-.04240	-.00007	.00362	.00140
#2	.00402	.02222	.04755	.00084	.00009	.00049	.00049	.00031	-.01508	-.00006	.00372	-.00143
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7915.0**	**100380.**	**8043.8**
Stddev	4.5	26.	25.3
%RSD	.05741	.02605	.31497
#1	7918.2	100360.	8061.7
#2	7911.8	100400.	8025.9

Sample Name: CCVL2367586 Acquired: 11/8/2013 19:21:08 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00987**	**.11192**	**.01705**	**.09972**	**.01058**	**.00114**	**.12231**	**.22095**	**.00548**	**.01076**	**.01068**	**.01594**	**.10797**	**3.1063**
Stddev	.00015	.00009	.00076	.00050	.00003	.00004	.00136	.00082	.00003	.00026	.00017	.00004	.00151	.0283
%RSD	1.5003	.07865	4.4724	.50194	.27089	3.4377	1.1086	.36999	.46832	2.3766	1.5576	.25883	1.3986	.91001
#1	.00998	.11186	.01759	.09936	.01056	.00116	.12135	.22037	.00547	.01094	.01080	.01591	.10904	3.1263
#2	.00977	.11198	.01651	.10007	.01060	.00111	.12327	.22153	.00550	.01058	.01056	.01597	.10691	3.0864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00847**	**.21159**	**.01055**	**.02056**	**1.1677**	**.04266**	**2.9076**	**.01095**	**.00577**	**.01038**	**.01687**	**.50065**	**1.0714**	**.10553**
Stddev	.00119	.00093	.00004	.00007	.0045	.00018	.0028	.00003	.00174	.00008	.00116	.01146	.0245	.00071
%RSD	14.086	.43959	.37551	.34131	.38136	.41225	.09624	.25442	30.062	.81165	6.8667	2.2884	2.2884	.67316
#1	.00763	.21225	.01052	.02061	1.1708	.04253	2.9056	.01097	.00700	.01032	.01769	.49255	1.0540	.10603
#2	.00932	.21093	.01058	.02051	1.1645	.04278	2.9096	.01093	.00455	.01043	.01605	.50875	1.0887	.10502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.01519**	**.01052**	**.01628**	**.06434**	**.01033**	**.02570**	**.01402**
Stddev	.00002	.00108	.00016	.00014	.04959	.00036	.00031	.00230
%RSD	.17655	7.0993	1.5464	.86617	77.072	3.4909	1.1986	16.443
#1	.01053	.01443	.01041	.01638	.09941	.01058	.02548	.01239
#2	.01055	.01595	.01064	.01618	.02928	.01007	.02592	.01565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8088.9**	**102580.**	**8266.6**
Stddev	20.6	56.	34.5
%RSD	.25444	.05476	.41769
#1	8074.4	102540.	8291.0
#2	8103.5	102620.	8242.1

Sample Name: 280-48832-a-2-a Acquired: 11/8/2013 19:23:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00294**	**-.00060**	**.00230**	**.00040**	**.00024**	**.00276**	**.04950**	**.00015**	**-.00028**
Stddev	.00022	.00021	.00253	.00029	.00019	.00007	.00063	.00235	.00011	.00005
%RSD	49.890	7.1745	417.42	12.411	45.938	30.837	22.732	4.7391	69.170	17.406
#1	-.00028	.00309	-.00239	.00250	.00053	.00029	.00231	.04784	.00008	-.00032
#2	-.00059	.00279	.00118	.00210	.00027	.00019	.00320	.05116	.00023	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00029**	**.01434**	**.06266**	**.00189**	**.00743**	**.00028**	**-.00007**	**.16783**	**-.00002**
Stddev	.00008	.00015	.00159	.01720	.00047	.01092	.00019	.00006	.00845	.00001
%RSD	42.928	52.206	11.120	27.451	24.959	147.05	66.683	77.907	5.0351	63.487
#1	.00025	-.00040	.01321	.05050	.00156	.01515	.00041	-.00003	.16186	-.00003
#2	.00014	-.00018	.01547	.07482	.00223	-.00030	.00015	-.00011	.17381	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00053**	**.00792**	**-.00022**	**.00299**	**.02622**	**.05612**	**.00104**	**.00034**	**.00065**
Stddev	.00001	.00012	.00183	.00118	.00162	.00693	.01484	.00029	.00002	.00069
%RSD	.67907	22.652	23.082	546.68	54.192	26.438	26.438	27.583	5.1877	105.85
#1	.00142	.00061	.00663	-.00105	.00413	.03113	.06661	.00084	.00033	.00016
#2	.00144	.00044	.00921	.00062	.00184	.02132	.04563	.00124	.00036	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00024**	**.01800**	**-.00077**	**.00376**	**.00055**
Stddev	.00035	.00001	.00232	.00023	.00035	.00155
%RSD	142.21	4.3178	12.882	30.430	9.2667	283.03
#1	.00050	-.00023	.01636	-.00060	.00401	-.00055
#2	.00000	-.00024	.01964	-.00094	.00352	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8138.9**	**104870.**	**8419.1**
Stddev	.5	622.	40.6
%RSD	.00637	.59342	.48177
#1	8139.3	105310.	8390.5
#2	8138.5	104430.	8447.8

Sample Name: 280-48832-a-1-a Acquired: 11/8/2013 19:25:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.02297**	**.00403**	**3.2374**	**.08055**	**.00012**	**-.00078**	**170.66**	**.00041**	**.00033**
Stddev	.00029	.00072	.00277	.0030	.00014	.00013	.00251	.10	.00012	.00010
%RSD	105.09	3.1531	68.656	.09157	.17449	111.30	323.56	.06102	29.907	31.378
#1	-.00007	.02246	.00599	3.2353	.08045	.00021	.00100	170.74	.00050	.00041
#2	-.00048	.02348	.00208	3.2395	.08065	.00002	-.00255	170.59	.00033	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00168**	**5.0052**	**36.970**	**.00305**	**22.984**	**.82166**	**.00188**	**140.60**	**.00106**
Stddev	.00005	.00027	.0072	.003	.00098	.019	.00046	.00009	.42	.00010
%RSD	2.9338	16.005	.14458	.00699	32.221	.08439	.05609	4.6513	.29785	9.6109
#1	.00164	.00149	5.0103	36.971	.00374	22.998	.82199	.00194	140.31	.00113
#2	.00157	.00187	5.0001	36.968	.00235	22.970	.82134	.00182	140.90	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13403**	**.00129**	**46.976**	**.00124**	**.00178**	**2.0930**	**4.4790**	**.00018**	**.88906**	**-.00149**
Stddev	.00495	.00024	.013	.00226	.00464	.0058	.0124	.00014	.00024	.00033
%RSD	3.6927	18.776	.02726	182.22	259.97	.27604	.27604	78.077	.02728	22.381
#1	.13053	.00111	46.985	-.00036	-.00150	2.0971	4.4877	.00008	.88889	-.00173
#2	.13753	.00146	46.967	.00283	.00506	2.0889	4.4702	.00028	.88923	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**-.00002**	**-.00607**	**.00112**	**.00431**	**.00231**
Stddev	.00012	.00029	.01465	.00045	.00017	.00109
%RSD	30.902	1186.7	241.14	40.390	4.0146	47.216
#1	-.00029	.00018	.00428	.00080	.00418	.00308
#2	-.00046	-.00023	-.01643	.00144	.00443	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7814.7**	**98623.**	**8505.3**
Stddev	2.7	82.	29.0
%RSD	.03471	.08320	.34073
#1	7816.6	98681.	8484.9
#2	7812.8	98565.	8525.8

Sample Name: 280-48832-a-3-a Acquired: 11/8/2013 19:28:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.72469**	**-.00015**	**.02530**	**.02394**	**.00016**	**-.00242**	**.70193**	**.00009**	**-.00008**
Stddev	.00013	.00257	.00032	.00073	.00017	.00007	.00214	.00114	.00004	.00019
%RSD	68.354	.35505	212.62	2.8880	.70785	42.069	88.443	.16238	40.384	255.39
#1	-.00029	.72287	.00008	.02581	.02382	.00011	-.00393	.70274	.00011	-.00021
#2	-.00010	.72650	-.00038	.02478	.02406	.00021	-.00091	.70112	.00006	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00085**	**.35729**	**.76356**	**.00004**	**.99035**	**.01110**	**.00010**	**5.6277**	**.00044**
Stddev	.00005	.00037	.00310	.04411	.00099	.00225	.00018	.00003	.0113	.00022
%RSD	4.2436	43.185	.86804	5.7771	2602.0	.22703	1.6012	29.208	.20026	51.329
#1	.00110	.00059	.35510	.79475	-.00066	.99194	.01122	.00008	5.6197	.00060
#2	.00104	.00111	.35949	.73236	.00074	.98876	.01097	.00012	5.6356	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01389**	**.00104**	**.64266**	**.00000**	**.00083**	**3.3572**	**7.1844**	**.00159**	**.00865**	**.00016**
Stddev	.00061	.00066	.00458	.00196	.00078	.0149	.0319	.00086	.00011	.00164
%RSD	4.4184	63.415	.71243	43035.	93.514	.44436	.44436	53.860	1.2146	1009.2
#1	.01346	.00057	.63942	.00139	.00138	3.3678	7.2070	.00099	.00858	.00132
#2	.01432	.00150	.64590	-.00138	.00028	3.3467	7.1619	.00220	.00873	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.00082**	**.00003**	**.00069**	**.00515**	**.00082**
Stddev	.00037	.00119	.02934	.00021	.00031	.00265
%RSD	3.6013	145.92	112030.	30.153	6.1068	321.80
#1	.01054	.00166	-.02072	.00083	.00537	-.00105
#2	.01001	-.00003	.02077	.00054	.00493	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8142.0**	**103860.**	**8398.5**
Stddev	6.2	95.	1.9
%RSD	.07634	.09112	.02210
#1	8137.6	103800.	8399.8
#2	8146.4	103930.	8397.2

Sample Name: 280-48832-a-4-a Acquired: 11/8/2013 19:30:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.02443**	**.00302**	**.01588**	**.01153**	**.00007**	**.00025**	**.35952**	**.00011**	**-.00007**
Stddev	.00005	.00000	.00008	.00025	.00044	.00001	.00085	.00160	.00009	.00008
%RSD	20.693	.01638	2.6540	1.5453	3.7852	10.267	340.08	.44414	84.804	103.42
#1	-.00029	.02443	.00307	.01571	.01184	.00008	-.00035	.35839	.00004	-.00013
#2	-.00022	.02443	.00296	.01606	.01122	.00007	.00085	.36065	.00017	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00001**	**.01118**	**.37006**	**-.00097**	**.48238**	**.00266**	**.00009**	**1.2557**	**.00037**
Stddev	.00008	.00029	.00350	.01362	.00022	.00244	.00007	.00027	.0281	.00028
%RSD	65.186	4610.7	31.282	3.6793	22.618	.50647	2.5736	305.53	2.2369	75.930
#1	.00007	.00021	.01366	.37969	-.00081	.48411	.00261	.00028	1.2756	.00017
#2	.00019	-.00020	.00871	.36044	-.00112	.48066	.00271	-.00010	1.2358	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00103**	**.47770**	**.00053**	**.00041**	**2.1971**	**4.7018**	**.00017**	**.00417**	**.00148**
Stddev	.00167	.00057	.00654	.00073	.00156	.0256	.0549	.00007	.00008	.00032
%RSD	116.42	55.088	1.3698	138.92	383.07	1.1676	1.1676	43.417	1.8703	21.675
#1	.00261	.00143	.47307	.00001	.00151	2.1790	4.6630	.00011	.00412	.00126
#2	.00025	.00063	.48233	.00105	-.00070	2.2152	4.7406	.00022	.00423	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00009**	**.02287**	**.00005**	**.00406**	**.00169**
Stddev	.00026	.00069	.05596	.00075	.00007	.00071
%RSD	43.052	777.96	244.65	1513.6	1.7375	41.916
#1	.00042	-.00040	.06244	.00058	.00401	.00219
#2	.00080	.00058	-.01670	-.00048	.00410	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8097.4**	**103420.**	**8422.8**
Stddev	6.3	425.	93.7
%RSD	.07822	.41070	1.1120
#1	8092.9	103720.	8356.6
#2	8101.8	103120.	8489.1

Sample Name: 280-48832-a-5-a Acquired: 11/8/2013 19:32:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.41632**	**.00265**	**.45563**	**.02291**	**.00009**	**-.00199**	**44.701**	**.00000**	**-.00006**
Stddev	.00072	.00032	.00091	.00174	.00045	.00004	.00108	.022	.00001	.00025
%RSD	211.00	.07724	34.297	.38083	1.9668	44.528	54.425	.05012	217.14	410.88
#1	.00017	.41655	.00201	.45440	.02259	.00006	-.00123	44.717	.00001	.00012
#2	-.00085	.41609	.00329	.45686	.02322	.00011	-.00276	44.685	.00000	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00085**	**.04733**	**1.7204**	**.00115**	**4.0222**	**.13207**	**.00031**	**8.1032**	**.00046**
Stddev	.00002	.00056	.00115	.0092	.00334	.0023	.00008	.00019	.0146	.00042
%RSD	3.5328	66.011	2.4245	.53449	291.73	.05768	.05708	63.325	.18066	91.629
#1	.00057	.00045	.04814	1.7139	-.00122	4.0206	.13213	.00017	8.0928	.00016
#2	.00060	.00124	.04652	1.7269	.00351	4.0239	.13202	.00044	8.1135	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00999**	**.00062**	**22.046**	**.00030**	**-.00106**	**1.1696**	**2.5030**	**.00011**	**.15060**	**.00101**
Stddev	.00018	.00073	.042	.00028	.00158	.0183	.0391	.00007	.00019	.00090
%RSD	1.7761	118.01	.18844	93.151	149.48	1.5620	1.5620	66.707	.12581	89.270
#1	.01012	.00113	22.075	.00050	-.00217	1.1825	2.5306	.00006	.15074	.00165
#2	.00986	.00010	22.017	.00010	.00006	1.1567	2.4753	.00016	.15047	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00531**	**-.00027**	**-.03503**	**-.00013**	**.00338**	**.00091**
Stddev	.00011	.00103	.01812	.00020	.00037	.00040
%RSD	2.0106	382.02	51.730	153.83	10.843	43.332
#1	.00524	.00046	-.04784	.00001	.00364	.00119
#2	.00539	-.00099	-.02221	-.00027	.00313	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7870.8**	**100510.**	**8191.4**
Stddev	15.3	21.	34.3
%RSD	.19473	.02084	.41897
#1	7881.6	100530.	8167.1
#2	7860.0	100500.	8215.7

Sample Name: 280-48832-a-6-a Acquired: 11/8/2013 19:35:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.73033**	**.00519**	**8.7948**	**.05396**	**.00010**	**-.00112**	**128.55**	**.00073**	**.00145**
Stddev	.00022	.00112	.00286	.0041	.00047	.00011	.00203	.04	.00022	.00023
%RSD	39.288	.15268	55.164	.04711	.87956	114.84	180.89	.03375	30.659	15.574
#1	-.00041	.73112	.00317	8.7978	.05362	.00002	-.00256	128.52	.00057	.00161
#2	-.00073	.72955	.00722	8.7919	.05429	.00018	.00031	128.58	.00089	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00285**	**5.7580**	**63.743**	**.00409**	**35.518**	**1.1136**	**.00556**	**181.64**	**.00349**
Stddev	.00010	.00006	.0055	.146	.00138	.014	.0003	.00047	.21	.00017
%RSD	25.762	2.1339	.09465	.22894	33.631	.03971	.02519	8.5300	.11763	4.9444
#1	.00032	.00289	5.7541	63.639	.00312	35.508	1.1134	.00523	181.80	.00337
#2	.00046	.00281	5.7619	63.846	.00506	35.528	1.1138	.00590	181.49	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12025**	**.00204**	**102.18**	**.00033**	**-.00318**	**.88247**	**1.8885**	**.00024**	**.67736**	**-.00053**
Stddev	.00272	.00069	.07	.00044	.00166	.00545	.0117	.00100	.00158	.00334
%RSD	2.2589	33.589	.07281	133.22	52.100	.61804	.61804	421.95	.23306	630.38
#1	.11833	.00253	102.13	.00002	-.00201	.87862	1.8802	.00094	.67624	.00183
#2	.12217	.00156	102.24	.00064	-.00435	.88633	1.8967	-.00047	.67848	-.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00160**	**-.00473**	**.00205**	**.00407**	**.00187**
Stddev	.00018	.00069	.02315	.00022	.00027	.00023
%RSD	192.83	43.192	489.25	10.650	6.7361	12.326
#1	-.00022	.00111	-.02110	.00189	.00388	.00203
#2	.00003	.00209	.01164	.00220	.00426	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7834.4**	**98343.**	**8472.3**
Stddev	.1	25.	24.5
%RSD	.00158	.02569	.28860
#1	7834.5	98325.	8489.6
#2	7834.3	98360.	8455.0

Sample Name: 280-48832-a-7-a Acquired: 11/8/2013 19:37:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.36845**	**.00950**	**6.3881**	**.34183**	**.00013**	**-.00653**	**229.41**	**.00051**	**.00036**
Stddev	.00045	.00112	.00558	.0046	.00142	.00005	.00142	2.61	.00007	.00006
%RSD	108.23	.30312	58.713	.07244	.41588	40.041	21.696	1.1393	12.874	17.036
#1	-.00010	.36924	.00556	6.3848	.34083	.00009	-.00753	227.56	.00047	.00040
#2	-.00073	.36766	.01345	6.3913	.34284	.00017	-.00553	231.26	.00056	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00578**	**.00157**	**27.099**	**79.609**	**.00680**	**61.989**	**1.2990**	**.00212**	**230.48**	**.00176**
Stddev	.00012	.00011	.060	.118	.00028	.055	.0012	.00006	.34	.00014
%RSD	2.1559	7.1484	.22062	.14809	4.1041	.08797	.09212	3.0638	.14966	8.0250
#1	.00587	.00149	27.056	79.525	.00699	61.951	1.2999	.00207	230.72	.00166
#2	.00569	.00165	27.141	79.692	.00660	62.028	1.2982	.00216	230.24	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23681**	**.00021**	**29.655**	**-.00147**	**.00155**	**2.7355**	**5.8541**	**.00048**	**1.7410**	**.00006**
Stddev	.00237	.00130	.048	.00137	.00340	.0226	.0483	.00029	.0063	.00192
%RSD	1.0008	617.43	.16023	92.695	218.57	.82476	.82476	60.766	.36251	3001.9
#1	.23514	-.00071	29.622	-.00051	.00396	2.7196	5.8199	.00028	1.7365	.00142
#2	.23849	.00113	29.689	-.00244	-.00085	2.7515	5.8882	.00069	1.7454	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.00091**	**.00155**	**.00285**	**.00387**	**.00369**
Stddev	.00004	.00030	.02058	.00018	.00034	.00179
%RSD	1.1028	32.686	1324.8	6.1783	8.7030	48.527
#1	.00363	.00112	-.01300	.00273	.00411	.00242
#2	.00357	.00070	.01610	.00297	.00363	.00495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7561.3**	**94447.**	**8266.2**
Stddev	12.4	231.	88.7
%RSD	.16390	.24490	1.0724
#1	7570.0	94611.	8203.5
#2	7552.5	94284.	8328.9

Sample Name: CCVH-2357613 Acquired: 11/8/2013 19:39:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**51.266**	**.00364**	**.02711**	**.00004**	**.00011**	**.98834**	**.03910**	**.00007**	**-.00070**	**-.00036**	**.00666**	**48.572**
Stddev	.00020	.045	.00212	.00218	.00023	.00014	.00207	.00332	.00015	.00022	.00023	.00036	.337
%RSD	6.1194	.08752	58.186	8.0538	599.78	125.18	.20943	8.5036	219.48	31.699	64.147	5.3414	.69448
#1	.00338	51.297	.00513	.02865	.00020	.00001	.98980	.04145	.00018	-.00055	-.00052	.00641	48.810
#2	.00310	51.234	.00214	.02556	-.00012	.00021	.98688	.03675	-.00004	-.00086	-.00020	.00691	48.333
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26506**	**.00021**	**.08672**	**.00049**	**-.00027**	**256.49**	**.00035**	**.00959**	**-.00008**	**4.9516**	**.00205**	**-.00103**	**.03819**
Stddev	.00466	.00000	.00267	.00001	.00021	.22	.00023	.00218	.00064	.0327	.00247	.00068	.02066
%RSD	1.7586	1.2385	3.0733	1.8412	78.530	.08696	65.649	22.721	820.25	.66090	120.15	65.288	54.096
#1	.26177	.00021	.08483	.00049	-.00042	256.65	.00019	.01114	.00037	4.9747	.00380	-.00151	.05279
#2	.26836	.00020	.08860	.00048	-.00012	256.33	.00052	.00805	-.00053	4.9284	.00031	-.00056	.02358
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08172**	**.00028**	**.00064**	**4.8733**	**-.00464**	**.00141**	**10.283**	**.00130**	**.00169**	**.01213**
Stddev	.04421	.00029	.00005	.0051	.00000	.00153	.037	.00021	.00020	.00021
%RSD	54.096	104.66	7.5062	.10375	.01609	107.95	.35573	16.229	11.969	1.7502
#1	.11297	.00007	.00060	4.8769	-.00464	.00249	10.257	.00115	.00154	.01228
#2	.05046	.00048	.00067	4.8697	-.00463	.00033	10.309	.00145	.00183	.01198
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7669.4**	**94727.**	**8037.9**
Stddev	5.5	185.	3.5
%RSD	.07205	.19546	.04357
#1	7665.5	94596.	8040.4
#2	7673.3	94858.	8035.5

Sample Name: CCV-2357614 Acquired: 11/8/2013 19:41:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49818**	**.52111**	**.98668**	**.51190**	**.50852**	**.50250**	**.00193**	**5.0599**	**.50276**	**.50792**	**.49709**	**.51191**	**2.4171**
Stddev	.00003	.00599	.00416	.00382	.00117	.00159	.00050	.0220	.00252	.00256	.00322	.00004	.0117
%RSD	.00672	1.1489	.42153	.74664	.23001	.31632	25.913	.43538	.50035	.50348	.64861	.00775	.48472
#1	.49816	.51688	.98374	.50920	.50769	.50362	.00157	5.0755	.50098	.50611	.49481	.51188	2.4254
#2	.49821	.52535	.98962	.51461	.50934	.50137	.00228	5.0443	.50454	.50972	.49937	.51194	2.4088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.356**	**1.0128**	**19.720**	**.50445**	**.49765**	**5.4155**	**.50478**	**.98716**	**1.0212**	**.00938**	**1.0212**	**.99090**	**4.9521**
Stddev	.097	.0019	.017	.00050	.00266	.0374	.00230	.00573	.0049	.00042	.0099	.00679	.0110
%RSD	.18892	.18798	.08510	.09895	.53445	.68983	.45547	.57996	.47549	4.4602	.96570	.68491	.22275
#1	51.425	1.0114	19.709	.50410	.49577	5.4419	.50316	.98311	1.0177	.00908	1.0142	.98610	4.9443
#2	51.287	1.0141	19.732	.50480	.49953	5.3891	.50641	.99121	1.0246	.00967	1.0282	.99570	4.9599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.598**	**.99853**	**.50429**	**-.00312**	**.51082**	**1.0381**	**.01543**	**.50755**	**.49931**	**.50564**
Stddev	.024	.00933	.00033	.00067	.00052	.0053	.00445	.00227	.00066	.00196
%RSD	.22275	.93410	.06544	21.447	.10161	.50996	28.835	.44671	.13195	.38744
#1	10.581	.99194	.50452	-.00265	.51119	1.0344	.01858	.50915	.49977	.50702
#2	10.614	1.0051	.50406	-.00360	.51045	1.0419	.01229	.50595	.49884	.50425
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8092.9**	**101180.**	**8211.2**
Stddev	38.7	306.	135.6
%RSD	.47803	.30229	1.6516
#1	8120.2	100960.	8115.4
#2	8065.5	101400.	8307.1

Sample Name: CCB Acquired: 11/8/2013 19:44:03 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00257**	**.00206**	F **.01011**	**.00035**	**.00019**	**.00185**	**.00820**	**.00018**	**-.00025**	**.00015**	**-.00018**
Stddev	.00045	.00069	.00012	.00014	.00026	.00015	.00267	.00405	.00030	.00000	.00014	.00023
%RSD	197.62	26.752	6.0100	1.3830	75.029	79.050	143.87	49.351	168.07	.58185	95.086	122.50
#1	-.00055	.00305	.00215	.01021	.00016	.00030	.00374	.00534	.00039	-.00025	.00024	-.00002
#2	.00009	.00208	.00197	.01001	.00053	.00009	-.00003	.01106	-.00003	-.00024	.00005	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00632**	**.10542**	**.00036**	**.00395**	**.00016**	**.00044**	W **.10910**	**-.00020**	**.00284**	**.00056**	**.00583**	F **.00803**
Stddev	.00393	.02733	.00086	.00028	.00004	.00044	.02512	.00004	.00129	.00025	.00241	.00114
%RSD	62.141	25.928	240.32	7.0318	22.428	98.383	23.021	20.673	45.395	44.076	41.356	14.177
#1	.00354	.12475	-.00025	.00376	.00013	.00014	.09134	-.00017	.00376	.00073	.00754	.00723
#2	.00909	.08609	.00096	.00415	.00018	.00075	.12687	-.00023	.00193	.00038	.00413	.00884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00617**	**.01320**	**.00007**	**.00022**	**.00142**	**.00026**	**.00088**	**-.00701**	**-.00025**	**.00300**	**-.00124**
Stddev	.00110	.00194	.00415	.00014	.00009	.00013	.00011	.00095	.03581	.00030	.00003	.00032
%RSD	215.41	31.420	31.420	205.49	40.995	9.0390	42.566	108.87	510.79	120.07	.90085	25.476
#1	.00129	.00754	.01613	.00017	.00016	.00133	.00034	.00020	.01831	-.00004	.00298	-.00147
#2	-.00027	.00480	.01026	-.00003	.00029	.00151	.00018	.00155	-.03234	-.00045	.00302	-.00102
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8057.8**	**101890.**	**8221.5**
Stddev	13.5	54.	2.2
%RSD	.16734	.05271	.02685
#1	8048.2	101930.	8219.9
#2	8067.3	101850.	8223.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 19:46:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.10897**	**.01239**	**.10478**	**.01017**	**.00109**	**.12237**	**.21116**	**.00533**	**.01049**	**.01038**	**.01524**	**.10270**	**3.1418**
Stddev	.00013	.00043	.00178	.00023	.00005	.00004	.00294	.00152	.00016	.00014	.00002	.00034	.00034	.0008
%RSD	1.2461	.39835	14.392	.22203	.50016	4.0928	2.4029	.72156	2.9632	1.3597	.18729	2.2415	.32870	.02568
#1	.01040	.10928	.01365	.10495	.01021	.00113	.12445	.21224	.00522	.01059	.01039	.01548	.10246	3.1423
#2	.01022	.10866	.01113	.10462	.01014	.00106	.12029	.21008	.00544	.01039	.01037	.01500	.10294	3.1412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00863**	**.20521**	**.01044**	**.01995**	**1.1407**	**.04219**	**2.8614**	**.01030**	**.00712**	**.01183**	**.01693**	**.49412**	**1.0574**	**.10227**
Stddev	.00055	.00390	.00002	.00037	.0169	.00033	.0024	.00204	.00181	.00015	.00029	.00602	.0129	.00085
%RSD	6.3915	1.9016	.16003	1.8535	1.4834	.77844	.08288	19.784	25.369	1.2900	1.7151	1.2187	1.2187	.82642
#1	.00824	.20245	.01042	.02021	1.1288	.04196	2.8597	.00886	.00840	.01194	.01673	.49837	1.0665	.10167
#2	.00902	.20797	.01045	.01969	1.1527	.04242	2.8631	.01174	.00585	.01173	.01714	.48986	1.0483	.10286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.01412**	**.01026**	**.01739**	**.05371**	**.00982**	**.02369**	**.01582**
Stddev	.00006	.00131	.00027	.00070	.05400	.00031	.00028	.00320
%RSD	.58623	9.3101	2.6510	4.0383	100.53	3.1797	1.1722	20.255
#1	.01026	.01319	.01007	.01789	.01553	.00960	.02388	.01355
#2	.01018	.01505	.01045	.01689	.09190	.01004	.02349	.01809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**102710.**	**8251.1**
Stddev	19.1	622.	48.7
%RSD	.23681	.60545	.59035
#1	8084.7	103150.	8285.6
#2	8057.7	102270.	8216.7

Sample Name: mb 280-199600/1-a Acquired: 11/8/2013 19:48:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00839**	**.00156**	**.01452**	**.00039**	**.00012**	**-.00091**	**.04102**	**.00019**	**-.00010**
Stddev	.00003	.00025	.00159	.00082	.00013	.00005	.00071	.00161	.00017	.00014
%RSD	11.908	2.9453	102.02	5.6610	32.640	44.315	78.705	3.9183	89.537	148.30
#1	-.00026	.00821	.00268	.01510	.00048	.00008	-.00141	.03989	.00031	.00000
#2	-.00031	.00856	.00043	.01394	.00030	.00015	-.00040	.04216	.00007	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00014**	**.01301**	**.10880**	**-.00055**	**.00701**	**.00026**	**.00023**	**.11442**	**.00015**
Stddev	.00006	.00013	.00051	.05368	.00111	.00265	.00002	.00004	.00296	.00034
%RSD	16.298	97.107	3.9041	49.336	202.81	37.808	8.6714	15.505	2.5890	234.52
#1	.00031	.00023	.01337	.14676	-.00133	.00889	.00028	.00025	.11652	.00039
#2	.00039	.00004	.01265	.07085	.00024	.00514	.00025	.00020	.11233	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.00015**	**.01397**	**.00062**	**-.00017**	**.04660**	**.09972**	**.00338**	**.00013**	**.00114**
Stddev	.00074	.00022	.00143	.00090	.00069	.00587	.01256	.00006	.00008	.00001
%RSD	24.092	148.87	10.216	146.44	418.55	12.596	12.596	1.8486	59.261	.45747
#1	.00254	-.00001	.01498	-.00002	.00033	.05075	.10860	.00342	.00018	.00114
#2	.00359	.00030	.01296	.00125	-.00066	.04245	.09084	.00334	.00008	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00075**	**-.04016**	**-.00038**	**.00453**	**.00084**
Stddev	.00025	.00114	.01077	.00038	.00012	.00144
%RSD	64.763	150.78	26.822	100.80	2.5576	172.60
#1	.00057	-.00156	-.04778	-.00011	.00461	-.00018
#2	.00021	.00005	-.03254	-.00065	.00445	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8165.4**	**104290.**	**8473.7**
Stddev	1.3	220.	86.8
%RSD	.01634	.21082	1.0246
#1	8164.5	104450.	8412.4
#2	8166.3	104130.	8535.1

Sample Name: lcs 280-199600/2-a Acquired: 11/8/2013 19:50:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04564**	**1.9590**	**.95154**	F **1.1336**	**1.9879**	**.04860**	**2.1788**	**48.035**	**.10054**	**.48212**
Stddev	.00017	.0024	.00158	.0002	.0022	.00021	.0033	.053	.00025	.00003
%RSD	.38062	.12521	.16631	.01467	.11124	.43213	.15289	.11074	.24791	.00577
#1	.04552	1.9572	.95266	1.1337	1.9894	.04845	2.1811	48.072	.10037	.48214
#2	.04576	1.9607	.95042	1.1335	1.9863	.04875	2.1764	47.997	.10072	.48210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19478**	**.25118**	**.95072**	**50.105**	**.98346**	**46.983**	**.48306**	**.97479**	**52.004**	**.47937**
Stddev	.00042	.00000	.00602	.064	.00348	.080	.00099	.00379	.615	.00067
%RSD	.21390	.00065	.63279	.12693	.35346	.16925	.20391	.38898	1.1819	.13911
#1	.19507	.25118	.94646	50.060	.98592	46.927	.48237	.97747	51.569	.47985
#2	.19448	.25118	.95497	50.150	.98100	47.039	.48376	.97211	52.439	.47890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6284**	**.47875**	**.01027**	**.48437**	**1.8804**	**1.6986**	**3.6349**	**1.9235**	**.98321**	**.97680**
Stddev	.0137	.00065	.00068	.00166	.0021	.0032	.0069	.0036	.00050	.00339
%RSD	.14188	.13616	6.6267	.34212	.11322	.19057	.19057	.18860	.05113	.34754
#1	9.6381	.47829	.00979	.48554	1.8789	1.7008	3.6398	1.9209	.98356	.97440
#2	9.6188	.47921	.01075	.48319	1.8819	1.6963	3.6300	1.9260	.98285	.97920
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99722**	**1.9103**	**2.0927**	**.49593**	**.47551**	**.50074**
Stddev	.00053	.0021	.0029	.00178	.00193	.00415
%RSD	.05298	.11202	.14073	.35925	.40487	.82844
#1	.99685	1.9088	2.0906	.49467	.47414	.49780
#2	.99759	1.9118	2.0948	.49719	.47687	.50367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7773.1**	**97973.**	**8258.5**
Stddev	8.9	115.	37.0
%RSD	.11464	.11742	.44845
#1	7779.4	97892.	8284.7
#2	7766.8	98054.	8232.3

Sample Name: 280-48651-a-1-a Acquired: 11/8/2013 19:53:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**67.359**	**.00245**	**.02304**	**.17134**	**.00211**	**-.01446**	**4.7360**	**.00207**	**.02499**
Stddev	.00022	.177	.00131	.00031	.00075	.00016	.00306	.0059	.00004	.00027
%RSD	46.946	.26272	53.501	1.3309	.44057	7.7232	21.134	.12473	2.0112	1.0724
#1	-.00061	67.234	.00338	.02325	.17187	.00200	-.01230	4.7402	.00210	.02480
#2	-.00031	67.484	.00152	.02282	.17080	.00223	-.01662	4.7318	.00204	.02518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06130**	**.04483**	**70.229**	**7.5516**	**.12533**	**20.052**	**.57288**	**.00116**	**.24534**	**.08238**
Stddev	.00053	.00011	.146	.0149	.00034	.010	.00047	.00004	.01619	.00090
%RSD	.86560	.23584	.20735	.19728	.27170	.04766	.08228	3.5521	6.5992	1.0977
#1	.06092	.04476	70.126	7.5621	.12509	20.046	.57255	.00119	.25679	.08174
#2	.06167	.04491	70.332	7.5410	.12558	20.059	.57322	.00113	.23390	.08302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0630**	**.05702**	**.72944**	**.00249**	**.00258**	**2.9604**	**6.3353**	**.00570**	**.02286**	**.01625**
Stddev	.0205	.00142	.00441	.00044	.00189	.0310	.0664	.00003	.00018	.00103
%RSD	.99316	2.4978	.60479	17.681	73.365	1.0481	1.0481	.49366	.78117	6.3246
#1	2.0485	.05601	.72632	.00217	.00392	2.9385	6.2883	.00572	.02274	.01553
#2	2.0774	.05803	.73256	.00280	.00124	2.9823	6.3822	.00568	.02299	.01698
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31144**	**-.00020**	**-.04908**	**.07976**	**.92646**	**.00997**
Stddev	.00120	.00014	.03115	.00082	.00323	.00044
%RSD	.38449	65.938	63.464	1.0325	.34878	4.4503
#1	.31060	-.00011	-.02705	.07918	.92875	.00966
#2	.31229	-.00030	-.07110	.08034	.92418	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.7**	**102920.**	**8716.2**
Stddev	25.0	61.	17.9
%RSD	.29858	.05915	.20530
#1	8348.0	102960.	8703.5
#2	8383.3	102880.	8728.8

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/8/2013 19:55:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**14.004**	**.00172**	**.00952**	**.03558**	**.00049**	**-.00176**	**1.0054**	**.00075**	**.00514**
Stddev	.00019	.011	.00100	.00004	.00024	.00007	.00038	.0016	.00003	.00006
%RSD	89.900	.07805	57.824	.42798	.68803	14.249	21.413	.15487	3.8238	1.2011
#1	-.00034	13.996	.00242	.00949	.03541	.00054	-.00149	1.0043	.00077	.00518
#2	-.00008	14.012	.00102	.00955	.03575	.00044	-.00203	1.0065	.00073	.00509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01264**	**.00918**	**13.624**	**1.5508**	**.02777**	**4.0948**	**.11732**	**.00042**	**.07376**	**.01708**
Stddev	.00008	.00001	.009	.0042	.00011	.0226	.00017	.00016	.01352	.00003
%RSD	.60552	.11173	.06917	.27166	.39001	.55213	.14276	38.433	18.329	.18792
#1	.01258	.00919	13.617	1.5538	.02769	4.1107	.11720	.00054	.06420	.01710
#2	.01269	.00918	13.630	1.5479	.02785	4.0788	.11744	.00031	.08332	.01706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42283**	**.01294**	**.15422**	**.00055**	**.00157**	**.66516**	**1.4234**	**.00365**	**.00482**	**.00282**
Stddev	.00119	.00035	.00293	.00313	.00408	.00158	.0034	.00110	.00014	.00032
%RSD	.28255	2.7046	1.8978	570.11	259.67	.23798	.23798	30.186	3.0074	11.470
#1	.42199	.01270	.15215	-.00167	.00445	.66628	1.4258	.00287	.00472	.00259
#2	.42368	.01319	.15629	.00277	-.00131	.66404	1.4210	.00443	.00492	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06442**	**-.00032**	**-.01920**	**.01622**	**.19419**	**.00288**
Stddev	.00444	.00084	.02719	.00045	.00232	.00099
%RSD	6.8885	259.74	141.62	2.8041	1.1959	34.246
#1	.06128	.00027	.00003	.01590	.19583	.00218
#2	.06756	-.00092	-.03842	.01654	.19255	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8198.9**	**101970.**	**8376.3**
Stddev	23.8	79.	16.4
%RSD	.29023	.07734	.19568
#1	8215.8	102020.	8364.7
#2	8182.1	101910.	8387.9

Sample Name: 280-48651-a-1-b ms Acquired: 11/8/2013 19:57:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04590**	**112.22**	**.92208**	**.93737**	**2.1946**	**.04964**	F **2.0778**	**51.156**	**.09891**	**.48645**
Stddev	.00060	.16	.00100	.00116	.0019	.00005	.0040	.041	.00007	.00084
%RSD	1.2987	.14450	.10828	.12322	.08551	.10784	.19079	.07986	.06590	.17295
#1	.04632	112.34	.92279	.93655	2.1933	.04961	2.0806	51.185	.09896	.48705
#2	.04548	112.11	.92138	.93818	2.1960	.04968	2.0750	51.127	.09887	.48586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28127**	**.29530**	**78.663**	**69.085**	**1.1030**	**70.828**	**1.0676**	**.91252**	**50.870**	**.54273**
Stddev	.00069	.00090	.077	.118	.0026	.126	.0015	.00044	.024	.00076
%RSD	.24408	.30389	.09804	.17010	.23253	.17814	.14304	.04841	.04799	.13939
#1	.28079	.29594	78.608	69.168	1.1012	70.917	1.0687	.91221	50.852	.54219
#2	.28176	.29467	78.717	69.002	1.1048	70.739	1.0665	.91284	50.887	.54326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.081**	**.49740**	**.88250**	**.27111**	**1.7918**	**7.3074**	**15.638**	**1.7542**	**.99333**	**.91709**
Stddev	.014	.00024	.00224	.00171	.0045	.1665	.356	.0039	.00098	.00395
%RSD	.12681	.04906	.25434	.63160	.24951	2.2781	2.2781	.22160	.09874	.43099
#1	11.071	.49757	.88408	.26990	1.7886	7.4252	15.890	1.7514	.99264	.91989
#2	11.091	.49723	.88091	.27232	1.7949	7.1897	15.386	1.7569	.99403	.91430
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4872**	**1.7811**	**1.9931**	**.64365**	**1.3459**	**.40903**
Stddev	.0036	.0038	.0064	.00073	.0038	.00211
%RSD	.24412	.21265	.32263	.11275	.27962	.51486
#1	1.4847	1.7784	1.9886	.64416	1.3486	.41051
#2	1.4898	1.7837	1.9977	.64314	1.3433	.40754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8097.1**	**99053.**	**8552.0**
Stddev	8.7	270.	50.4
%RSD	.10703	.27247	.58905
#1	8103.2	98862.	8516.4
#2	8091.0	99243.	8587.6

Sample Name: 280-48651-a-1-c msd Acquired: 11/8/2013 19:59:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04507**	**101.38**	**.91013**	**.93450**	**2.1561**	**.04910**	F **2.0551**	**50.409**	**.09789**	**.47922**
Stddev	.00029	.28	.00070	.00139	.0007	.00005	.0026	.031	.00028	.00009
%RSD	.64033	.27290	.07745	.14869	.03178	.09529	.12540	.06052	.29099	.01954
#1	.04527	101.18	.91063	.93548	2.1557	.04914	2.0569	50.387	.09809	.47929
#2	.04486	101.57	.90963	.93352	2.1566	.04907	2.0533	50.431	.09769	.47916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27030**	**.28486**	**66.213**	**66.874**	**1.0913**	**67.544**	**.99184**	**.91299**	**50.028**	**.52590**
Stddev	.00005	.00119	.042	.303	.0022	.126	.00118	.00248	.130	.00086
%RSD	.01953	.41610	.06310	.45367	.19925	.18631	.11913	.27214	.26052	.16416
#1	.27033	.28402	66.242	66.659	1.0928	67.455	.99101	.91475	49.936	.52529
#2	.27026	.28569	66.183	67.088	1.0898	67.633	.99268	.91123	50.120	.52651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.694**	**.47820**	**.80950**	**.27481**	**1.7785**	**6.8725**	**14.707**	**1.7467**	**.98362**	**.91032**
Stddev	.001	.00087	.00081	.00171	.0007	.0596	.128	.0020	.00102	.00158
%RSD	.01232	.18194	.10036	.62149	.03707	.86739	.86739	.11208	.10332	.17393
#1	10.693	.47759	.81008	.27360	1.7780	6.9146	14.797	1.7453	.98290	.91144
#2	10.695	.47882	.80893	.27602	1.7789	6.8303	14.617	1.7481	.98434	.90920
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4773**	**1.7681**	**1.9227**	**.62017**	**1.1961**	**.42193**
Stddev	.0178	.0013	.0281	.00053	.0004	.00247
%RSD	1.2028	.07493	1.4614	.08562	.03091	.58610
#1	1.4898	1.7672	1.9028	.61980	1.1958	.42019
#2	1.4647	1.7691	1.9426	.62055	1.1964	.42368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8161.2**	**99685.**	**8553.3**
Stddev	8.2	198.	46.8
%RSD	.10061	.19870	.54676
#1	8167.0	99825.	8586.4
#2	8155.4	99545.	8520.2

Sample Name: 280-48651-a-1-aPDS Acquired: 11/8/2013 20:01:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04801**	**67.430**	**.18995**	**.11121**	**.26571**	**.04935**	**-.01524**	**23.695**	**.05033**	**.07230**
Stddev	.00045	.432	.00194	.00074	.00172	.00031	.00317	.167	.00004	.00010
%RSD	.93411	.64120	1.0221	.66106	.64823	.61826	20.824	.70465	.08419	.13726
#1	.04833	67.124	.18858	.11173	.26449	.04914	-.01749	23.577	.05030	.07223
#2	.04770	67.735	.19132	.11069	.26693	.04957	-.01300	23.813	.05036	.07237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10791**	**.09417**	**69.323**	**27.113**	**.21692**	**38.314**	**.60727**	**.04680**	**20.599**	**.12791**
Stddev	.00021	.00030	.465	.152	.00044	.095	.00059	.00012	.265	.00082
%RSD	.19555	.32341	.67101	.55929	.20317	.24882	.09744	.26435	1.2876	.63991
#1	.10806	.09395	68.994	27.005	.21661	38.246	.60685	.04671	20.412	.12849
#2	.10776	.09438	69.652	27.220	.21723	38.381	.60768	.04688	20.787	.12733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9190**	**.15083**	**.72909**	**.09496**	**.18172**	**7.6834**	**16.442**	**.09601**	**.07143**	**.21251**
Stddev	.0076	.00120	.00359	.00254	.00710	.0767	.164	.00057	.00050	.00125
%RSD	.19493	.79683	.49295	2.6752	3.9070	.99784	.99784	.59306	.69839	.58624
#1	3.9136	.14998	.73164	.09676	.18674	7.6292	16.326	.09642	.07108	.21339
#2	3.9245	.15168	.72655	.09317	.17670	7.7376	16.558	.09561	.07179	.21163
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37119**	**.18796**	**.47116**	**.12832**	**1.0974**	**.05619**
Stddev	.01494	.00199	.01012	.00074	.0003	.00179
%RSD	4.0252	1.0577	2.1480	.57459	.02644	3.1897
#1	.38176	.18936	.47832	.12884	1.0972	.05492
#2	.36063	.18655	.46401	.12780	1.0976	.05746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.6**	**101630.**	**8650.5**
Stddev	4.7	151.	65.7
%RSD	.05682	.14897	.75939
#1	8253.3	101730.	8697.0
#2	8259.9	101520.	8604.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:03:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**51.080**	**.00366**	**.00908**	**.00049**	**.00012**	**1.0001**	**.01334**	**-.00001**	**-.00091**	**-.00008**	**.00699**	**49.433**
Stddev	.00044	.063	.00061	.00029	.00050	.00005	.0066	.00360	.00013	.00019	.00005	.00037	.040
%RSD	13.780	.12417	16.559	3.2210	102.68	38.672	.65973	26.980	1404.9	20.251	68.265	5.2740	.08157
#1	.00290	51.036	.00409	.00887	.00013	.00016	1.0047	.01079	.00008	-.00105	-.00012	.00725	49.404
#2	.00353	51.125	.00324	.00929	.00085	.00009	.99538	.01588	-.00010	-.00078	-.00004	.00673	49.461
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11944**	**-.00018**	**.09411**	**.00042**	**-.00033**	**256.20**	**-.00005**	**.00284**	**.00150**	**4.9958**	**.00344**	**.00184**	**.02622**
Stddev	.00086	.00052	.00174	.00014	.00023	.17	.00009	.00228	.00055	.0134	.00317	.00304	.01639
%RSD	.72362	290.33	1.8537	31.901	69.118	.06517	184.47	80.002	36.355	.26874	92.044	165.35	62.513
#1	.11883	-.00055	.09535	.00052	-.00017	256.08	-.00011	.00445	.00189	4.9863	.00120	.00399	.03781
#2	.12005	.00019	.09288	.00033	-.00049	256.32	.00002	.00124	.00112	5.0053	.00568	-.00031	.01463
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05612**	**.00090**	**.00056**	**4.8785**	**-.00456**	**.00180**	**10.284**	**.00020**	**.00197**	**.01540**
Stddev	.03508	.00046	.00014	.0001	.00009	.00095	.026	.00053	.00031	.00201
%RSD	62.513	51.375	24.312	.00146	2.0798	52.790	.25450	260.05	15.838	13.026
#1	.08092	.00058	.00046	4.8786	-.00463	.00113	10.302	.00058	.00219	.01681
#2	.03131	.00123	.00065	4.8785	-.00450	.00247	10.265	-.00017	.00175	.01398
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7801.9**	**96477.**	**8099.7**
Stddev	16.1	29.	.5
%RSD	.20695	.02997	.00662
#1	7813.3	96457.	8100.1
#2	7790.5	96498.	8099.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:06:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49811**	**.52901**	**.98804**	**.50349**	**.50925**	**.50170**	**.00167**	**5.0484**	**.50280**	**.50955**	**.49877**	**.51283**	**2.4490**
Stddev	.00116	.00217	.00010	.00106	.00161	.00211	.00118	.0055	.00072	.00068	.00080	.00227	.0351
%RSD	.23385	.40975	.01058	.21104	.31681	.42040	70.850	.10913	.14409	.13280	.16030	.44288	1.4347
#1	.49894	.53054	.98811	.50424	.50811	.50021	.00250	5.0445	.50331	.51002	.49933	.51443	2.4241
#2	.49729	.52748	.98796	.50274	.51040	.50320	.00083	5.0523	.50229	.50907	.49820	.51122	2.4738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.414**	**1.0154**	**19.818**	**.50671**	**.50110**	**5.3341**	**.50640**	**.98854**	**1.0310**	**.00004**	**1.0207**	**.99173**	**5.0159**
Stddev	.067	.0041	.020	.00008	.00564	.0033	.00042	.00301	.0093	.00157	.0024	.00443	.0070
%RSD	.13003	.40033	.09887	.01481	1.1258	.06120	.08234	.30459	.89940	4051.2	.23456	.44636	.13965
#1	51.367	1.0126	19.804	.50676	.50508	5.3318	.50670	.99067	1.0375	.00115	1.0224	.99486	5.0109
#2	51.461	1.0183	19.831	.50666	.49711	5.3364	.50611	.98641	1.0244	-.00107	1.0190	.98860	5.0208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.734**	**1.0028**	**.50477**	**-.00209**	**.51267**	**1.0372**	**.02215**	**.50960**	**.50516**	**.51051**
Stddev	.015	.0053	.00086	.00204	.00068	.0035	.03200	.00058	.00089	.00007
%RSD	.13965	.52812	.17095	97.713	.13289	.33686	144.47	.11417	.17699	.01401
#1	10.723	1.0065	.50416	-.00353	.51315	1.0397	.04478	.51001	.50453	.51046
#2	10.745	.99901	.50538	-.00064	.51218	1.0347	-.00048	.50919	.50580	.51056
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.4**	**99880.**	**8188.0**
Stddev	6.4	203.	56.9
%RSD	.08114	.20321	.69519
#1	7930.9	100020.	8228.2
#2	7940.0	99737.	8147.7

Sample Name: CCB Acquired: 11/8/2013 20:08:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.01085**	**.00034**	**.00391**	**.00014**	**.00019**	**.00222**	**.00122**	**.00030**	**-.00007**	**.00016**	**-.00022**	**.01023**
Stddev	.00049	.00071	.00088	.00041	.00012	.00005	.00219	.00020	.00001	.00003	.00004	.00051	.00145
%RSD	358.24	6.4957	257.15	10.404	85.938	23.802	98.651	16.385	4.1100	45.976	23.821	229.10	14.146
#1	.00021	.01135	.00096	.00362	.00005	.00022	.00377	.00136	.00029	-.00009	.00013	.00014	.01126
#2	-.00048	.01036	-.00028	.00419	.00022	.00016	.00067	.00108	.00031	-.00005	.00019	-.00058	.00921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08907**	**.00023**	**.00369**	**.00002**	**.00070**	**.04326**	**-.00010**	**.00084**	**.00172**	**.00469**	F **.00737**	**.00333**	**.03110**
Stddev	.04083	.00086	.00061	.00000	.00002	.00458	.00004	.00166	.00010	.00385	.00003	.00130	.00662
%RSD	45.846	371.32	16.553	14.625	3.0694	10.586	38.591	197.24	5.8946	82.059	.45826	39.089	21.274
#1	.11794	.00084	.00326	.00003	.00071	.04002	-.00012	.00202	.00165	.00740	.00740	.00426	.02642
#2	.06020	-.00038	.00413	.00002	.00068	.04650	-.00007	-.00033	.00179	.00197	.00735	.00241	.03577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06654**	**.00012**	**.00017**	**.00076**	**-.00007**	**.00138**	**-.00704**	**-.00026**	**.00303**	**.00038**
Stddev	.01416	.00108	.00008	.00035	.00020	.00111	.00900	.00030	.00026	.00052
%RSD	21.274	890.25	45.770	45.913	297.16	80.495	127.84	113.17	8.6794	134.91
#1	.05653	-.00064	.00011	.00051	.00007	.00217	-.01340	-.00047	.00322	.00002
#2	.07655	.00088	.00022	.00101	-.00020	.00060	-.00068	-.00005	.00284	.00075
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7953.3**	**100540.**	**7951.8**
Stddev	28.0	407.	13.1
%RSD	.35178	.40509	.16412
#1	7973.0	100260.	7961.0
#2	7933.5	100830.	7942.5

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:10:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00973**	**.11532**	**.01375**	**.10126**	**.01106**	**.00118**	**.12524**	**.22061**	**.00535**	**.01085**	**.01058**	**.01588**	**.11756**
Stddev	.00015	.00070	.00422	.00018	.00020	.00006	.00131	.00094	.00018	.00007	.00009	.00019	.00884
%RSD	1.5240	.60503	30.668	.17848	1.8329	5.4801	1.0431	.42489	3.3247	.60090	.86470	1.2120	7.5220
#1	.00984	.11581	.01077	.10139	.01091	.00113	.12432	.22127	.00547	.01090	.01052	.01575	.12381
#2	.00963	.11483	.01673	.10114	.01120	.00122	.12617	.21995	.00522	.01081	.01065	.01602	.11131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2704**	**.00980**	**.21140**	**.01059**	**.02036**	**1.1469**	**.04241**	**2.8883**	**.01066**	**.00628**	**.01096**	**.01513**	**.51894**
Stddev	.0230	.00254	.00198	.00007	.00000	.0017	.00041	.0007	.00067	.00033	.00035	.00013	.00827
%RSD	.70425	25.938	.93866	.65724	.01000	.14603	.97800	.02411	6.2963	5.1904	3.2143	.88588	1.5936
#1	3.2542	.00800	.21280	.01054	.02036	1.1481	.04271	2.8878	.01114	.00605	.01071	.01522	.52479
#2	3.2867	.01159	.21000	.01064	.02036	1.1458	.04212	2.8888	.01019	.00651	.01121	.01503	.51309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1105**	**.10425**	**.01067**	**.01574**	**.01049**	**.01675**	F **.08880**	**.00993**	**.02572**	**.01484**
Stddev	.0177	.00025	.00006	.00023	.00014	.00076	.01833	.00081	.00017	.00040
%RSD	1.5936	.23595	.55604	1.4375	1.3787	4.5226	20.647	8.1977	.66656	2.7134
#1	1.1230	.10443	.01071	.01590	.01039	.01729	.07583	.00935	.02584	.01455
#2	1.0980	.10408	.01063	.01558	.01059	.01622	.10176	.01050	.02560	.01512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7937.6**	**99882.**	**8010.3**
Stddev	9.7	104.	8.4
%RSD	.12269	.10415	.10438
#1	7930.7	99956.	8016.2
#2	7944.5	99808.	8004.4

Sample Name: 280-48651-a-2-a Acquired: 11/8/2013 20:12:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**72.295**	**.01020**	**.01996**	**.14782**	**.00249**	**-.01343**	**4.5069**	**.00074**	**.02801**
Stddev	.00040	.171	.00075	.00008	.00050	.00010	.00125	.0377	.00018	.00023
%RSD	46.912	.23602	7.3294	.39404	.33721	4.0264	9.2987	.83645	24.268	.81639
#1	-.00115	72.174	.01073	.01991	.14747	.00242	-.01431	4.5335	.00061	.02817
#2	-.00058	72.416	.00967	.02002	.14817	.00256	-.01254	4.4802	.00087	.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06585**	**.04865**	**81.811**	**7.7115**	**.12981**	**22.403**	**.61207**	**.00097**	**.32612**	**.09309**
Stddev	.00004	.00003	.054	.0534	.00102	.041	.00026	.00012	.01137	.00018
%RSD	.06072	.06663	.06627	.69199	.78314	.18187	.04245	12.369	3.4862	.19644
#1	.06588	.04867	81.849	7.7493	.13053	22.432	.61188	.00105	.33416	.09296
#2	.06583	.04862	81.772	7.6738	.12909	22.375	.61225	.00088	.31808	.09322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5171**	**.02454**	**1.0042**	**.00124**	**.00215**	**2.8735**	**6.1493**	**.00535**	**.01899**	**.02033**
Stddev	.0024	.00082	.0041	.00049	.00097	.0053	.0113	.00017	.00004	.00108
%RSD	.09339	3.3553	.41019	39.049	44.865	.18408	.18408	3.0910	.19262	5.3074
#1	2.5155	.02512	1.0012	.00090	.00147	2.8697	6.1413	.00523	.01901	.02109
#2	2.5188	.02396	1.0071	.00159	.00284	2.8772	6.1573	.00546	.01896	.01957
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41690**	**-.00016**	W **-.06724**	**.09746**	**.29627**	**.01423**
Stddev	.00586	.00053	.02844	.00002	.00032	.00201
%RSD	1.4051	334.57	42.295	.02192	.10834	14.107
#1	.41276	.00022	-.08734	.09744	.29604	.01281
#2	.42104	-.00053	-.04713	.09747	.29650	.01565
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8270.4**	**101340.**	**8509.6**
Stddev	12.6	174.	34.5
%RSD	.15249	.17172	.40522
#1	8279.3	101460.	8534.0
#2	8261.5	101210.	8485.2

Sample Name: 280-48651-a-3-a Acquired: 11/8/2013 20:15:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**47.075**	**.00712**	**.01553**	**.09196**	**.00170**	**-.01032**	**2.5566**	**.00099**	**.01622**
Stddev	.00052	.036	.00306	.00001	.00014	.00003	.00252	.0015	.00012	.00002
%RSD	47.765	.07751	42.923	.03505	.15010	1.6143	24.401	.05944	11.688	.10766
#1	-.00146	47.101	.00496	.01552	.09205	.00168	-.01210	2.5576	.00091	.01621
#2	-.00072	47.049	.00928	.01553	.09186	.00172	-.00854	2.5555	.00107	.01623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04289**	**.03605**	**50.947**	**5.9678**	**.07760**	**13.424**	**.36854**	**.00051**	**.17164**	**.05455**
Stddev	.00011	.00023	.130	.0301	.00125	.062	.00034	.00007	.00603	.00015
%RSD	.24846	.63857	.25440	.50478	1.6137	.46120	.09208	13.579	3.5145	.27086
#1	.04297	.03621	51.039	5.9891	.07671	13.381	.36830	.00056	.17590	.05466
#2	.04282	.03589	50.856	5.9465	.07848	13.468	.36878	.00046	.16737	.05445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9214**	**.02195**	**.58894**	**.00201**	**.00089**	**2.7600**	**5.9064**	**.00466**	**.01265**	**.01224**
Stddev	.0038	.00154	.00100	.00137	.00400	.0401	.0858	.00072	.00000	.00067
%RSD	.19833	7.0042	.16955	68.346	449.48	1.4525	1.4525	15.346	.02411	5.4344
#1	1.9241	.02303	.58823	.00297	-.00194	2.7316	5.8457	.00517	.01265	.01177
#2	1.9187	.02086	.58964	.00104	.00372	2.7883	5.9670	.00416	.01265	.01271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29438**	**-.00041**	**-.04364**	**.05891**	**.24656**	**.00791**
Stddev	.00229	.00098	.01486	.00019	.00123	.00077
%RSD	.77850	235.99	34.054	.31402	.49745	9.7966
#1	.29276	-.00111	-.03314	.05878	.24569	.00736
#2	.29600	.00028	-.05415	.05905	.24743	.00846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8239.9**	**101690.**	**8419.1**
Stddev	22.7	353.	14.4
%RSD	.27524	.34701	.17161
#1	8223.8	101940.	8429.3
#2	8255.9	101440.	8408.9

Sample Name: 280-48651-a-4-a Acquired: 11/8/2013 20:17:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**50.681**	**.00591**	**.01571**	**.12352**	**.00172**	**-.01181**	**3.8898**	**.00164**	**.01702**
Stddev	.00003	.074	.00388	.00018	.00059	.00008	.00134	.0002	.00027	.00027
%RSD	2.5866	.14533	65.685	1.1373	.47873	4.7423	11.350	.00559	16.665	1.6123
#1	-.00117	50.733	.00866	.01584	.12310	.00166	-.01086	3.8899	.00184	.01721
#2	-.00112	50.629	.00317	.01559	.12394	.00178	-.01276	3.8896	.00145	.01683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04172**	**.02245**	**49.249**	**5.5693**	**.09042**	**13.508**	**.37036**	**.00052**	**.20156**	**.05305**
Stddev	.00012	.00081	.093	.0542	.00279	.053	.00042	.00003	.00145	.00046
%RSD	.27894	3.6212	.18893	.97397	3.0814	.39415	.11434	5.5787	.71881	.87465
#1	.04180	.02188	49.183	5.6076	.08845	13.546	.37066	.00054	.20054	.05338
#2	.04164	.02303	49.315	5.5309	.09239	13.471	.37006	.00050	.20259	.05272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9254**	**.03209**	**.70711**	**.00090**	**-.00079**	**3.2780**	**7.0148**	**.00502**	**.01787**	**.01228**
Stddev	.0038	.00065	.00006	.00158	.00078	.0239	.0511	.00006	.00007	.00011
%RSD	.13091	2.0152	.00802	175.56	99.318	.72878	.72878	1.2846	.38151	.90683
#1	2.9281	.03255	.70715	-.00022	-.00023	3.2611	6.9787	.00497	.01792	.01236
#2	2.9227	.03164	.70707	.00201	-.00134	3.2949	7.0510	.00506	.01782	.01220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36446**	**.00030**	W **-.06912**	**.05734**	**.28952**	**.00747**
Stddev	.00031	.00025	.00158	.00056	.00043	.00008
%RSD	.08610	83.569	2.2812	.97285	.14951	1.0685
#1	.36468	.00012	-.07024	.05773	.28921	.00753
#2	.36423	.00048	-.06801	.05695	.28983	.00742
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8244.5**	**101560.**	**8398.7**
Stddev	2.5	3.	34.3
%RSD	.03076	.00314	.40846
#1	8242.7	101560.	8374.5
#2	8246.3	101560.	8423.0

Sample Name: 280-48651-a-5-a Acquired: 11/8/2013 20:19:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**49.187**	**.01237**	**.01900**	**.17412**	**.00172**	**-.01373**	**14.680**	**.00379**	**.01869**
Stddev	.00045	.184	.00102	.00039	.00021	.00002	.00064	.015	.00016	.00023
%RSD	85.372	.37395	8.2205	2.0711	.11918	.94024	4.6515	.09924	4.2024	1.2332
#1	-.00085	49.057	.01165	.01872	.17426	.00173	-.01418	14.690	.00367	.01853
#2	-.00021	49.317	.01309	.01928	.17397	.00171	-.01328	14.670	.00390	.01885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**.12115**	**72.710**	**6.4870**	**.07778**	**14.297**	**.53675**	**.00146**	**.26479**	**.06586**
Stddev	.00021	.00079	.026	.0156	.00048	.045	.00093	.00006	.01319	.00011
%RSD	.42079	.65572	.03600	.24030	.61432	.31753	.17373	4.1377	4.9824	.17274
#1	.05020	.12059	72.691	6.4980	.07812	14.265	.53609	.00142	.27412	.06578
#2	.04990	.12171	72.729	6.4759	.07745	14.329	.53741	.00150	.25546	.06594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.5139**	**.22341**	**1.6304**	**.00113**	**.00064**	**3.4546**	**7.3928**	**.08124**	**.08407**	**.01400**
Stddev	.0091	.00009	.0044	.00274	.00069	.0036	.0077	.00019	.00014	.00055
%RSD	.16555	.04233	.27113	241.78	109.07	.10441	.10441	.23365	.16363	3.8993
#1	5.5203	.22348	1.6273	.00307	.00015	3.4571	7.3982	.08137	.08397	.01439
#2	5.5074	.22335	1.6335	-.00080	.00112	3.4520	7.3873	.08110	.08417	.01361
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54081**	**-.00095**	W **-.06293**	**.07923**	**1.0688**	**.00967**
Stddev	.01495	.00021	.04413	.00032	.0045	.00349
%RSD	2.7636	21.805	70.121	.40621	.42254	36.067
#1	.55138	-.00110	-.09413	.07901	1.0656	.00720
#2	.53025	-.00080	-.03173	.07946	1.0720	.01214
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8283.4**	**101990.**	**8425.1**
Stddev	9.7	282.	7.3
%RSD	.11677	.27619	.08617
#1	8276.6	102190.	8430.3
#2	8290.3	101790.	8420.0

Sample Name: 280-48486-a-1-e Acquired: 11/8/2013 20:21:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**48.235**	**.03567**	**.02123**	**.21721**	**.00232**	**-.01963**	**108.75**	**.00102**	**.03630**
Stddev	.00054	.138	.00046	.00028	.00041	.00006	.00170	.34	.00007	.00022
%RSD	57.602	.28616	1.2775	1.3402	.18691	2.7348	8.6408	.30902	6.4561	.60444
#1	-.00131	48.138	.03599	.02143	.21692	.00237	-.01843	108.51	.00097	.03646
#2	-.00055	48.333	.03534	.02103	.21749	.00228	-.02083	108.99	.00107	.03615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05342**	**.12348**	**101.26**	**6.9856**	**.08683**	**29.334**	**3.8483**	**.00200**	**.32404**	**.07716**
Stddev	.00005	.00029	.60	.0353	.00295	.079	.0308	.00048	.00219	.00017
%RSD	.09851	.23464	.58817	.50495	3.3921	.27036	.79976	24.006	.67465	.22498
#1	.05346	.12328	101.68	6.9607	.08475	29.390	3.8700	.00166	.32558	.07704
#2	.05338	.12369	100.84	7.0106	.08891	29.278	3.8265	.00233	.32249	.07728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.0921**	**.04676**	**.74270**	**-.00049**	**-.00098**	**2.8471**	**6.0929**	**.00318**	**.16958**	**.02477**
Stddev	.0013	.00091	.00236	.00326	.00023	.0367	.0786	.00040	.00065	.00488
%RSD	.04265	1.9421	.31811	668.93	23.088	1.2896	1.2896	12.595	.38188	19.701
#1	3.0931	.04740	.74437	.00182	-.00114	2.8212	6.0373	.00290	.16913	.02132
#2	3.0912	.04612	.74103	-.00280	-.00082	2.8731	6.1484	.00346	.17004	.02822
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21276**	**-.00056**	F **-.12096**	**.08649**	**.26554**	**.01766**
Stddev	.00065	.00066	.01333	.00023	.00013	.00120
%RSD	.30667	117.64	11.023	.27112	.05001	6.7692
#1	.21230	-.00009	-.11153	.08665	.26544	.01851
#2	.21323	-.00102	-.13038	.08632	.26563	.01682
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8302.0**	**101880.**	**8557.2**
Stddev	23.6	715.	54.2
%RSD	.28386	.70213	.63357
#1	8318.7	101380.	8595.5
#2	8285.4	102390.	8518.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:24:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**51.505**	**.00082**	**.00703**	**.00036**	**.00009**	**.99739**	**.01690**	**.00013**	**-.00074**	**-.00008**	**.00701**	**49.207**
Stddev	.00015	.228	.00044	.00045	.00034	.00001	.00144	.00303	.00003	.00013	.00021	.00025	.429
%RSD	6.6112	.44217	53.072	6.4282	92.786	14.110	.14389	17.939	26.059	17.011	258.45	3.5986	.87219
#1	.00209	51.344	.00051	.00671	.00060	.00008	.99637	.01905	.00010	-.00065	-.00023	.00683	48.903
#2	.00230	51.666	.00113	.00735	.00012	.00010	.99840	.01476	.00015	-.00083	.00007	.00718	49.510
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05075**	**-.00135**	**.08777**	**.00067**	**-.00016**	**257.72**	**.00012**	**.00276**	**.00277**	**4.9724**	**.00118**	**.00269**	**.03022**
Stddev	.05731	.00072	.00413	.00011	.00019	.08	.00028	.00074	.00006	.0095	.00051	.00034	.02801
%RSD	112.92	53.313	4.7085	17.015	118.27	.03071	238.17	26.808	2.2068	.19145	43.170	12.467	92.691
#1	.01023	-.00186	.09069	.00075	-.00029	257.77	.00032	.00328	.00281	4.9657	.00153	.00246	.05003
#2	.09128	-.00084	.08485	.00059	-.00003	257.66	-.00008	.00224	.00273	4.9791	.00082	.00293	.01041
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06467**	**.00055**	**.00031**	**4.8948**	**-.00477**	**.00193**	**10.278**	**.00049**	**.00206**	**.01176**
Stddev	.05995	.00004	.00005	.0038	.00093	.00006	.027	.00040	.00053	.00010
%RSD	92.691	6.5215	14.784	.07686	19.414	3.3082	.26211	81.675	25.551	.87349
#1	.10706	.00053	.00034	4.8975	-.00542	.00189	10.297	.00021	.00243	.01169
#2	.02229	.00058	.00028	4.8922	-.00411	.00198	10.259	.00077	.00168	.01184
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7693.6**	**94895.**	**7861.9**
Stddev	7.5	455.	14.6
%RSD	.09809	.47943	.18587
#1	7688.3	94573.	7851.6
#2	7698.9	95216.	7872.2

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:26:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49484**	**.53285**	**.98817**	**.50037**	**.50886**	**.50026**	**.00272**	**5.0579**	**.50237**	**.50851**	**.49837**	**.50721**	**2.4365**
Stddev	.00046	.00806	.00007	.00029	.00097	.00027	.00125	.0057	.00070	.00022	.00007	.00027	.0066
%RSD	.09221	1.5120	.00722	.05823	.19094	.05368	45.922	.11258	.13906	.04407	.01448	.05356	.26979
#1	.49451	.53855	.98823	.50017	.50817	.50045	.00184	5.0620	.50287	.50835	.49832	.50701	2.4319
#2	.49516	.52715	.98812	.50058	.50955	.50007	.00360	5.0539	.50188	.50866	.49842	.50740	2.4412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.440**	**1.0083**	**19.770**	**.50479**	**.49842**	**5.3097**	**.50515**	**.98201**	**1.0268**	**-.00074**	**1.0132**	**.98776**	**4.9812**
Stddev	.009	.0070	.029	.00033	.00098	.0233	.00123	.00157	.0012	.00438	.0048	.00151	.0025
%RSD	.01833	.69779	.14637	.06492	.19690	.43789	.24410	.15954	.11689	593.20	.47409	.15285	.05035
#1	51.446	1.0033	19.790	.50456	.49773	5.3261	.50603	.98312	1.0259	.00236	1.0166	.98670	4.9794
#2	51.433	1.0133	19.750	.50503	.49911	5.2932	.50428	.98090	1.0276	-.00383	1.0098	.98883	4.9829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.660**	**1.0015**	**.50358**	**-.00211**	**.50809**	**1.0359**	**-.01802**	**.50676**	**.50245**	**.50555**
Stddev	.005	.0056	.00060	.00229	.00057	.0034	.02562	.00058	.00057	.00244
%RSD	.05035	.56346	.11839	108.30	.11149	.33318	142.17	.11452	.11396	.48283
#1	10.656	1.0055	.50316	-.00373	.50769	1.0383	.00010	.50717	.50285	.50382
#2	10.663	.99748	.50400	-.00049	.50849	1.0334	-.03614	.50635	.50205	.50727
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.4**	**99672.**	**8105.3**
Stddev	39.5	228.	10.0
%RSD	.49665	.22920	.12396
#1	7976.3	99510.	8112.4
#2	7920.5	99833.	8098.2

Sample Name: CCB Acquired: 11/8/2013 20:28:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	F **.07065**	**.00016**	**.00279**	**.00018**	**.00012**	**.00028**	**-.00045**	**.00030**	**.00007**	**.00036**	**-.00007**
Stddev	.00040	.09399	.00386	.00060	.00016	.00006	.00200	.00070	.00029	.00012	.00008	.00056
%RSD	52.537	133.04	2426.9	21.520	87.276	52.100	718.28	157.64	97.230	165.27	22.088	756.60
#1	-.00105	.00419	-.00257	.00321	.00030	.00016	-.00114	.00005	.00009	-.00001	.00030	.00032
#2	-.00048	.13710	.00289	.00236	.00007	.00007	.00169	-.00095	.00050	.00016	.00042	-.00047
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.03100										
Low Limit		-.03100										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.06672**	**.00048**	**.00261**	**.00016**	**.00066**	**.02311**	**.00012**	**.00505**	**.00129**	**.00492**	F **.00762**
Stddev	.00226	.00850	.00050	.00237	.00009	.00052	.00957	.00052	.00688	.00060	.00023	.00255
%RSD	24.958	12.748	103.95	90.768	57.625	79.200	41.436	438.18	136.17	46.667	4.7520	33.514
#1	.00747	.07273	.00084	.00093	.00010	.00029	.01634	-.00025	.00019	.00171	.00476	.00581
#2	.01067	.06070	.00013	.00428	.00023	.00103	.02988	.00049	.00991	.00086	.00509	.00942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.01371**	**.02935**	**-.00006**	**.00008**	**.00098**	**.00005**	**.00052**	**.02036**	**-.00017**	**.00279**	**-.00106**
Stddev	.00005	.00150	.00321	.00083	.00010	.00154	.00017	.00113	.02085	.00046	.00036	.00015
%RSD	.78931	10.944	10.944	1387.7	127.52	156.50	349.52	216.19	102.44	276.62	12.739	14.503
#1	.00625	.01478	.03162	-.00064	.00014	-.00010	.00017	-.00028	.03510	-.00049	.00304	-.00095
#2	.00632	.01265	.02708	.00053	.00001	.00207	-.00007	.00132	.00561	.00016	.00254	-.00117
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.3**	**100780.**	**7980.4**
Stddev	10.3	67.	9.6
%RSD	.12954	.06663	.11982
#1	7966.0	100830.	7973.7
#2	7980.6	100730.	7987.2

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:30:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**.11760**	**.01720**	**.09666**	**.01058**	**.00111**	**.11783**	**.21152**	**.00515**	**.01025**	**.01048**	**.01539**	**.10937**
Stddev	.00003	.00869	.00007	.00025	.00013	.00012	.00018	.00136	.00009	.00045	.00010	.00019	.00424
%RSD	.26898	7.3924	.40222	.25856	1.2312	10.357	.15378	.64489	1.6698	4.4183	.95047	1.2053	3.8784
#1	.00936	.12375	.01715	.09648	.01067	.00103	.11796	.21055	.00521	.01057	.01055	.01526	.10637
#2	.00932	.11145	.01725	.09684	.01049	.00120	.11770	.21248	.00509	.00993	.01041	.01552	.11237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1500**	**.00858**	**.20904**	**.01042**	**.02029**	**1.0915**	**.04170**	**2.8418**	**.01115**	**.00268**	F **.01424**	**.01645**	**.48011**
Stddev	.0471	.00124	.00311	.00005	.00009	.0136	.00019	.0258	.00036	.00036	.00011	.00214	.01546
%RSD	1.4942	14.394	1.4896	.51107	.44756	1.2478	.45248	.90770	3.2569	13.358	.73878	13.007	3.2211
#1	3.1833	.00946	.20684	.01038	.02023	1.0819	.04183	2.8600	.01141	.00293	.01432	.01797	.46918
#2	3.1167	.00771	.21125	.01045	.02035	1.1011	.04157	2.8236	.01090	.00243	.01417	.01494	.49105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0274**	**.10373**	**.01028**	**.01607**	**.00995**	**.01575**	**.05047**	**.01015**	**.02446**	**.01547**
Stddev	.0331	.00202	.00000	.00005	.00005	.00045	.03619	.00039	.00011	.00102
%RSD	3.2211	1.9454	.04328	.32461	.46538	2.8625	71.721	3.8508	.46685	6.6219
#1	1.0040	.10516	.01028	.01610	.00998	.01607	.07606	.01043	.02454	.01474
#2	1.0508	.10230	.01029	.01603	.00992	.01543	.02487	.00988	.02438	.01619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.8**	**101000.**	**7991.0**
Stddev	5.0	298.	9.4
%RSD	.06310	.29528	.11724
#1	7918.3	100790.	7984.3
#2	7925.4	101210.	7997.6

Sample Name: mb 280-199584/1-a Acquired: 11/8/2013 20:33:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00846**	**-.00160**	**.00382**	**.00024**	**.00005**	**-.00111**	**.05044**	**.00030**	**.00013**
Stddev	.00009	.00044	.00099	.00023	.00009	.00007	.00379	.00163	.00018	.00004
%RSD	26.119	5.1961	61.653	5.9462	39.206	125.61	342.17	3.2368	59.756	32.831
#1	-.00039	.00815	-.00090	.00398	.00017	.00010	-.00379	.04929	.00043	.00016
#2	-.00027	.00877	-.00230	.00366	.00030	.00001	.00157	.05160	.00017	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00019**	**.01637**	**.01334**	**.00048**	**.00800**	**.00029**	**.00001**	F **1.0988**	**-.00007**
Stddev	.00001	.00025	.00089	.01236	.00097	.00021	.00001	.00030	.0019	.00011
%RSD	4.9313	128.62	5.4215	92.667	202.19	2.6092	4.6298	1990.4	.16855	159.33
#1	.00021	.00002	.01574	.00460	.00117	.00815	.00030	-.00020	1.1001	.00001
#2	.00022	.00037	.01700	.02208	-.00021	.00785	.00028	.00023	1.0975	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00157**	F **.44465**	**.00054**	**-.00076**	**.04664**	**.09982**	**.00068**	**.00244**	**.00175**
Stddev	.00162	.00064	.00026	.00155	.00301	.00579	.01240	.00062	.00002	.00105
%RSD	112.36	40.621	.05933	285.49	397.06	12.418	12.418	90.464	.83051	60.191
#1	.00030	.00202	.44483	-.00055	.00137	.04255	.09105	.00025	.00243	.00249
#2	.00259	.00112	.44446	.00163	-.00289	.05074	.10858	.00112	.00246	.00100
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00059**	**-.02562**	**.00020**	**.00391**	**-.00147**
Stddev	.00057	.00060	.02701	.00013	.00000	.00094
%RSD	76.067	102.96	105.43	62.748	.10231	64.342
#1	.00035	-.00101	-.04472	.00011	.00392	-.00080
#2	.00116	-.00016	-.00652	.00030	.00391	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7972.4**	**101710.**	**7918.4**
Stddev	8.7	30.	1.6
%RSD	.10910	.02925	.02042
#1	7978.6	101740.	7919.6
#2	7966.3	101690.	7917.3

Sample Name: lcs 280-199584/2-a Acquired: 11/8/2013 20:35:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04766**	**1.9657**	**.98180**	**.98144**	**2.0292**	**.04961**	**2.2164**	**49.178**	**.10261**	**.49441**
Stddev	.00046	.0041	.00296	.00053	.0185	.00045	.0032	.449	.00013	.00001
%RSD	.95595	.21013	.30157	.05437	.90914	.90422	.14509	.91225	.12376	.00202
#1	.04798	1.9628	.97971	.98106	2.0161	.04929	2.2141	48.860	.10270	.49441
#2	.04734	1.9686	.98390	.98182	2.0422	.04992	2.2186	49.495	.10252	.49440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20041**	**.25588**	**.97044**	**51.341**	**1.0062**	**49.181**	**.50089**	**1.0123**	**52.844**	**.49336**
Stddev	.00009	.00043	.00817	.446	.0105	.057	.00014	.0003	.144	.00068
%RSD	.04597	.16717	.84154	.86965	1.0417	.11607	.02743	.02694	.27311	.13879
#1	.20048	.25618	.96466	51.025	.99876	49.221	.50099	1.0121	52.742	.49287
#2	.20035	.25558	.97621	51.656	1.0136	49.140	.50079	1.0125	52.946	.49384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8682**	**.49334**	**-.00614**	**.50366**	**1.9357**	**10.020**	**21.444**	**1.9992**	**1.0038**	**1.0160**
Stddev	.0033	.00024	.00582	.00095	.0004	.151	.323	.0013	.0084	.0031
%RSD	.03318	.04896	94.860	.18804	.02230	1.5056	1.5056	.06357	.83914	.30521
#1	9.8705	.49317	-.00202	.50433	1.9360	9.9137	21.215	1.9983	.99781	1.0138
#2	9.8659	.49352	-.01025	.50299	1.9354	10.127	21.672	2.0001	1.0097	1.0182
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**1.9576**	**2.1725**	**.51441**	**.49642**	**.51331**
Stddev	.0005	.0008	.0073	.00087	.00075	.01124
%RSD	.05171	.04265	.33605	.16982	.15182	2.1888
#1	1.0323	1.9582	2.1777	.51380	.49588	.50537
#2	1.0330	1.9570	2.1674	.51503	.49695	.52126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7686.0**	**95966.**	**8036.8**
Stddev	21.9	505.	49.7
%RSD	.28462	.52584	.61861
#1	7701.4	96323.	8072.0
#2	7670.5	95609.	8001.7

Sample Name: 280-48773-c-1-e Acquired: 11/8/2013 20:37:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**1.7403**	**.00100**	**1.1197**	**.04165**	**.00012**	**-.00072**	**19.267**	**.00030**	**.00014**
Stddev	.00012	.0059	.00247	.0032	.00003	.00006	.00203	.007	.00031	.00009
%RSD	35.631	.33842	246.68	.28809	.07269	54.453	280.71	.03810	101.49	62.507
#1	-.00043	1.7361	-.00074	1.1220	.04163	.00007	-.00215	19.272	.00052	.00008
#2	-.00026	1.7444	.00274	1.1175	.04167	.00016	.00071	19.262	.00009	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.00495**	**.83761**	**.98492**	**.03592**	**7.3006**	**.12466**	**.02906**	W **893.91**	**.00247**
Stddev	.00007	.00026	.00487	.11662	.00076	.0121	.00002	.00027	.51	.00013
%RSD	4.6003	5.3494	.58093	11.840	2.1199	.16551	.01896	.92240	.05745	5.3897
#1	.00152	.00476	.84105	.90246	.03646	7.2921	.12464	.02887	894.27	.00257
#2	.00142	.00514	.83417	1.0674	.03538	7.3092	.12468	.02925	893.55	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09005**	**.00051**	F **232.07**	**.00063**	**-.00144**	**8.0362**	**17.197**	**.00005**	**.59728**	**-.00065**
Stddev	.00173	.00050	.03	.00111	.00188	.0386	.083	.00069	.00024	.00167
%RSD	1.9202	97.423	.01207	175.25	130.95	.48020	.48020	1317.1	.04044	258.67
#1	.08883	.00016	232.05	-.00015	-.00011	8.0089	17.139	.00054	.59711	.00054
#2	.09128	.00087	232.09	.00141	-.00277	8.0635	17.256	-.00044	.59745	-.00183
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04623**	**-.00008**	**-.01335**	**.00634**	**.00789**	**.00237**
Stddev	.00120	.00027	.00259	.00028	.00029	.00199
%RSD	2.6032	344.49	19.380	4.3436	3.7206	83.961
#1	.04708	.00011	-.01518	.00614	.00810	.00377
#2	.04538	-.00027	-.01152	.00653	.00768	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7392.5**	**89703.**	**7881.5**
Stddev	10.4	202.	38.1
%RSD	.14042	.22554	.48300
#1	7399.8	89846.	7908.4
#2	7385.1	89560.	7854.6

Sample Name: 280-48773-c-1-eSD@5 Acquired: 11/8/2013 20:39:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.38748**	**.00127**	**.23311**	**.00862**	**.00014**	**.00187**	**3.8658**	**.00006**	**-.00024**
Stddev	.00018	.00094	.00050	.00030	.00045	.00004	.00086	.0048	.00003	.00020
%RSD	44.170	.24369	39.451	.12843	5.1958	31.227	46.115	.12477	59.845	84.665
#1	-.00029	.38815	.00163	.23332	.00894	.00011	.00248	3.8692	.00003	-.00010
#2	-.00055	.38681	.00092	.23290	.00831	.00017	.00126	3.8624	.00008	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00166**	**.18888**	**.33285**	**.00774**	**1.4945**	**.02493**	**.00597**	**176.44**	**.00059**
Stddev	.00026	.00016	.00792	.04890	.00067	.0098	.00005	.00025	1.31	.00012
%RSD	51.119	9.5474	4.1933	14.692	8.6222	.65425	.21216	4.2504	.74264	20.349
#1	.00033	.00178	.18328	.29827	.00821	1.4876	.02489	.00579	177.36	.00068
#2	.00070	.00155	.19448	.36743	.00727	1.5014	.02496	.00615	175.51	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01733**	**.00209**	**45.059**	**.00078**	**.00089**	**1.5802**	**3.3816**	**.00209**	**.11816**	**-.00083**
Stddev	.00126	.00082	.020	.00144	.00219	.0163	.0350	.00011	.00166	.00215
%RSD	7.2904	39.521	.04531	185.72	247.21	1.0341	1.0341	5.2544	1.4033	258.29
#1	.01823	.00267	45.074	-.00024	.00244	1.5686	3.3569	.00201	.11933	.00069
#2	.01644	.00150	45.045	.00180	-.00066	1.5917	3.4063	.00217	.11699	-.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00980**	**.00184**	**.01771**	**.00138**	**.00740**	**.00111**
Stddev	.00047	.00059	.01193	.00094	.00005	.00000
%RSD	4.7509	31.905	67.403	67.918	.63398	.40744
#1	.00947	.00225	.00927	.00072	.00743	.00111
#2	.01013	.00142	.02614	.00205	.00736	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7728.0**	**95981.**	**8077.7**
Stddev	12.8	129.	80.7
%RSD	.16595	.13430	.99965
#1	7737.1	95890.	8020.6
#2	7718.9	96072.	8134.8

Sample Name: 280-48773-c-1-f ms Acquired: 11/8/2013 20:42:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**4.6645**	**1.0057**	**2.0205**	**2.0867**	**.05017**	F **2.1394**	**68.337**	**.10366**	**.48791**
Stddev	.00068	.0147	.0076	.0022	.0029	.00004	.0002	.068	.00009	.00081
%RSD	1.4075	.31460	.75981	.10642	.13964	.08407	.00837	.10000	.09105	.16523
#1	.04897	4.6541	1.0003	2.0190	2.0846	.05020	2.1395	68.288	.10359	.48848
#2	.04800	4.6749	1.0111	2.0220	2.0887	.05014	2.1393	68.385	.10373	.48734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19741**	**.25916**	**1.8989**	**55.622**	**1.0567**	**55.237**	**.62511**	**1.0258**	W **933.59**	**.48869**
Stddev	.00010	.00134	.0025	.203	.0019	.071	.00039	.0001	.89	.00016
%RSD	.05089	.51554	.13264	.36578	.17606	.12809	.06230	.00777	.09525	.03240
#1	.19748	.26010	1.8971	55.478	1.0554	55.287	.62484	1.0258	932.96	.48880
#2	.19734	.25821	1.9007	55.766	1.0580	55.187	.62539	1.0259	934.22	.48858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.377**	**.46714**	F **228.65**	**.49176**	**1.9438**	**19.132**	**40.943**	**1.9279**	**1.6027**	**1.0263**
Stddev	.025	.00271	.07	.00383	.0037	.062	.132	.0020	.0035	.0027
%RSD	.23904	.58037	.03017	.77865	.19133	.32353	.32353	.10540	.21596	.26076
#1	10.360	.46906	228.60	.48905	1.9465	19.088	40.849	1.9265	1.6003	1.0244
#2	10.395	.46522	228.70	.49447	1.9412	19.176	41.036	1.9294	1.6052	1.0282
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1027**	**1.7374**	**2.1052**	**.52807**	**.51928**	**.52375**
Stddev	.0004	.0022	.0741	.00105	.00066	.00078
%RSD	.03957	.12353	3.5176	.19925	.12748	.14904
#1	1.1024	1.7390	2.1576	.52882	.51881	.52431
#2	1.1030	1.7359	2.0529	.52733	.51975	.52320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7360.3**	**90125.**	**7990.6**
Stddev	12.6	58.	12.1
%RSD	.17145	.06466	.15110
#1	7351.3	90084.	7999.1
#2	7369.2	90166.	7982.1

Sample Name: 280-48773-c-1-g msd Acquired: 11/8/2013 20:44:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04991**	**4.7085**	**1.0261**	**2.0534**	**2.1216**	**.05113**	F **2.1708**	**69.574**	**.10534**	**.49507**
Stddev	.00038	.0283	.0077	.0083	.0004	.00024	.0058	.053	.00002	.00092
%RSD	.76114	.60006	.75293	.40614	.01864	.46997	.26547	.07665	.02327	.18554
#1	.05018	4.7285	1.0207	2.0475	2.1213	.05130	2.1667	69.536	.10532	.49442
#2	.04964	4.6885	1.0316	2.0593	2.1218	.05096	2.1749	69.612	.10536	.49572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20060**	**.26315**	**1.9505**	**56.882**	**1.0713**	**55.877**	**.63358**	**1.0400**	W **950.16**	**.49560**
Stddev	.00020	.00034	.0008	.227	.0035	.090	.00051	.0025	.17	.00030
%RSD	.09833	.12986	.04060	.39877	.32422	.16039	.08123	.23875	.01790	.05999
#1	.20074	.26291	1.9499	56.722	1.0689	55.940	.63322	1.0383	950.28	.49581
#2	.20046	.26339	1.9510	57.043	1.0738	55.814	.63395	1.0418	950.04	.49539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.530**	**.47691**	F **231.96**	**.50193**	**1.9771**	**19.523**	**41.780**	**1.9616**	**1.6308**	**1.0422**
Stddev	.016	.00238	.25	.00041	.0045	.015	.033	.0020	.0011	.0005
%RSD	.15429	.49949	.10690	.08106	.22532	.07837	.07837	.10425	.06838	.04511
#1	10.519	.47522	231.78	.50165	1.9739	19.512	41.757	1.9601	1.6300	1.0426
#2	10.542	.47859	232.13	.50222	1.9802	19.534	41.803	1.9630	1.6316	1.0419
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1265**	**1.7609**	**2.1820**	**.53503**	**.52564**	**.53255**
Stddev	.0016	.0043	.0414	.00047	.00133	.00291
%RSD	.14542	.24334	1.8961	.08865	.25300	.54622
#1	1.1277	1.7579	2.1527	.53536	.52470	.53460
#2	1.1254	1.7640	2.2112	.53469	.52658	.53049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7344.0**	**90232.**	**7919.1**
Stddev	24.4	51.	9.8
%RSD	.33166	.05662	.12369
#1	7361.3	90196.	7926.0
#2	7326.8	90268.	7912.2

Sample Name: 280-48773-c-1-ePDS Acquired: 11/8/2013 20:46:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05006**	W **3.0659**	**.20292**	**1.1923**	**.13954**	**.04903**	**-.00040**	**37.987**	**.05075**	**.04882**
Stddev	.00006	.0486	.00159	.0013	.00038	.00018	.00127	.302	.00011	.00008
%RSD	.11294	1.5856	.78199	.10647	.27258	.37230	316.08	.79385	.21766	.16997
#1	.05010	3.1003	.20404	1.1914	.13981	.04916	-.00130	38.201	.05067	.04888
#2	.05002	3.0315	.20180	1.1932	.13927	.04890	.00050	37.774	.05082	.04876
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05027**	**.05565**	**1.7609**	**23.093**	**.13181**	**25.727**	**.17091**	**.07860**	W **886.44**	**.05077**
Stddev	.00010	.00063	.0174	.234	.00028	.007	.00011	.00007	6.78	.00008
%RSD	.19837	1.1262	.98755	1.0127	.21009	.02612	.06267	.08917	.76491	.15376
#1	.05020	.05520	1.7732	23.259	.13201	25.731	.17098	.07865	891.24	.05072
#2	.05034	.05609	1.7486	22.928	.13162	25.722	.17083	.07855	881.65	.05083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1537**	**.09467**	F **226.66**	**.10068**	**.19555**	**12.941**	**27.694**	**.09904**	**.62788**	**.20175**
Stddev	.0054	.00238	.28	.00058	.00436	.155	.333	.00005	.00399	.00232
%RSD	.25227	2.5092	.12450	.57138	2.2294	1.2006	1.2006	.04908	.63586	1.1489
#1	2.1498	.09635	226.46	.10027	.19247	13.051	27.929	.09907	.63071	.20339
#2	2.1575	.09299	226.86	.10109	.19864	12.831	27.459	.09900	.62506	.20011
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10189**	**.17584**	**.49812**	**.05804**	**.22041**	**.05469**
Stddev	.00446	.00031	.00769	.00065	.00038	.00189
%RSD	4.3763	.17867	1.5431	1.1259	.17328	3.4488
#1	.09874	.17562	.50356	.05758	.22014	.05335
#2	.10504	.17606	.49269	.05850	.22068	.05602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7389.3**	**90834.**	**8030.3**
Stddev	16.9	192.	40.1
%RSD	.22832	.21168	.49972
#1	7401.2	90970.	8001.9
#2	7377.3	90698.	8058.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:48:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**51.726**	**.00225**	**.01102**	**.00061**	**.00000**	**1.0081**	**.01933**	**.00013**	**-.00065**	**.00018**	**.00761**	**49.863**
Stddev	.00060	.039	.00131	.00088	.00023	.0000	.0039	.00059	.00019	.00001	.00006	.00022	.300
%RSD	19.554	.07482	58.213	7.9952	37.954	838.26	.38404	3.0376	144.99	1.4847	30.339	2.9230	.60125
#1	.00348	51.698	.00318	.01165	.00044	.00002	1.0109	.01975	.00026	-.00065	.00014	.00746	49.651
#2	.00264	51.753	.00132	.01040	.00077	-.00003	1.0054	.01892	.00000	-.00064	.00022	.00777	50.075
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39737**	**.00074**	**.08945**	**.00045**	**-.00001**	**260.13**	**-.00004**	**.00247**	**.00214**	**5.1037**	**-.00012**	**-.00243**	**.02747**
Stddev	.04985	.00003	.00218	.00004	.00010	.09	.00044	.00022	.00133	.0204	.00225	.00299	.00785
%RSD	12.546	3.5372	2.4326	9.0564	1540.3	.03610	1056.9	8.9895	62.220	.39991	1882.8	123.26	28.590
#1	.43262	.00076	.08791	.00042	.00006	260.07	.00027	.00262	.00308	5.1181	-.00171	-.00031	.02191
#2	.36212	.00072	.09099	.00048	-.00008	260.20	-.00036	.00231	.00120	5.0892	.00147	-.00455	.03302
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05878**	**.00003**	**.00060**	**4.9152**	**-.00469**	**.00089**	**10.313**	**.00042**	**.00222**	**.01634**
Stddev	.01681	.00009	.00005	.0039	.00007	.00085	.006	.00091	.00007	.00039
%RSD	28.590	376.07	7.9089	.07993	1.4974	95.300	.05473	215.92	2.9990	2.3923
#1	.04690	.00009	.00057	4.9180	-.00464	.00029	10.317	.00106	.00217	.01606
#2	.07066	-.00004	.00063	4.9124	-.00474	.00149	10.309	-.00022	.00227	.01661
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7729.9**	**95132.**	**7944.4**
Stddev	14.3	209.	65.7
%RSD	.18558	.21997	.82694
#1	7719.8	94984.	7990.9
#2	7740.1	95280.	7898.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:51:16 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49873**	**.52278**	**.99519**	**.50688**	**.50755**	**.50104**	**.00158**	**5.0509**	**.50502**	**.50897**	**.50049**	**.51217**	**2.4468**
Stddev	.00025	.00060	.00193	.00003	.00252	.00238	.00257	.0274	.00043	.00067	.00007	.00016	.0028
%RSD	.05083	.11473	.19359	.00683	.49626	.47590	162.12	.54209	.08494	.13198	.01455	.03062	.11382
#1	.49855	.52320	.99383	.50685	.50577	.49935	-.00023	5.0315	.50472	.50945	.50054	.51228	2.4448
#2	.49891	.52236	.99655	.50690	.50933	.50273	.00340	5.0702	.50532	.50850	.50044	.51206	2.4488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.484**	**1.0099**	**19.868**	**.50529**	**.50139**	F **5.7057**	**.50686**	**.98886**	**1.0315**	**.04239**	**1.0210**	**.99597**	**5.0137**
Stddev	.317	.0051	.007	.00044	.00110	.0249	.00103	.00050	.0011	.00274	.0048	.00527	.0031
%RSD	.61605	.50079	.03402	.08783	.22037	.43718	.20356	.05026	.10705	6.4721	.47013	.52869	.06225
#1	51.259	1.0063	19.863	.50498	.50217	5.6881	.50613	.98851	1.0307	.04433	1.0243	.99970	5.0115
#2	51.708	1.0135	19.873	.50561	.50061	5.7234	.50759	.98921	1.0323	.04045	1.0176	.99225	5.0159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.729**	**1.0072**	**.50358**	**-.00202**	**.50940**	**1.0355**	**.00572**	**.50842**	**.50497**	**.51059**
Stddev	.007	.0053	.00113	.00021	.00055	.0043	.01199	.00077	.00077	.00324
%RSD	.06225	.52916	.22465	10.465	.10854	.41426	209.52	.15103	.15154	.63520
#1	10.725	1.0110	.50278	-.00217	.50901	1.0385	.01420	.50896	.50551	.50830
#2	10.734	1.0034	.50438	-.00187	.50979	1.0324	-.00276	.50788	.50443	.51288
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7990.2**	**100250.**	**8199.8**
Stddev	5.3	72.	37.4
%RSD	.06587	.07150	.45620
#1	7986.5	100300.	8226.2
#2	7994.0	100200.	8173.3

Sample Name: CCB Acquired: 11/8/2013 20:53:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00228**	**.00059**	W **.00477**	**.00007**	**.00025**	**.00478**	**.00229**	**.00010**	**-.00007**	**.00013**	**.00029**
Stddev	.00011	.00032	.00207	.00029	.00041	.00001	.00089	.00353	.00002	.00005	.00009	.00038
%RSD	53.527	14.110	353.77	6.1567	563.62	5.1081	18.670	154.04	19.391	65.808	71.980	132.56
#1	.00030	.00251	-.00088	.00498	.00036	.00024	.00541	.00479	.00012	-.00004	.00020	.00056
#2	.00013	.00206	.00205	.00457	-.00022	.00026	.00415	-.00020	.00009	-.00010	.00006	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00724**	**.15007**	**-.00125**	**.01060**	**.00016**	**.00027**	F **.33518**	**-.00001**	**.00044**	**.00022**	**.02518**	F **.00716**
Stddev	.00299	.00650	.00245	.00453	.00012	.00016	.05195	.00014	.00192	.00108	.00360	.00273
%RSD	41.351	4.3313	195.92	42.698	74.255	58.090	15.498	1063.6	439.38	494.61	14.307	38.068
#1	.00936	.15467	-.00299	.01380	.00024	.00016	.37191	.00008	.00180	-.00054	.02773	.00524
#2	.00512	.14547	.00048	.00740	.00007	.00039	.29845	-.00011	-.00092	.00098	.02264	.00909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**.01594**	**.03412**	**.00019**	**.00024**	**-.00018**	**.00044**	**.00130**	**-.01167**	**.00046**	**.00329**	**.00154**
Stddev	.00199	.00072	.00153	.00020	.00002	.00117	.00019	.00093	.00816	.00002	.00036	.00155
%RSD	86.999	4.4940	4.4940	105.95	6.9127	633.31	43.080	71.717	69.910	4.8239	10.874	100.26
#1	.00088	.01645	.03520	.00033	.00023	.00064	.00058	.00064	-.00590	.00048	.00355	.00045
#2	.00370	.01544	.03303	.00005	.00025	-.00101	.00031	.00196	-.01745	.00045	.00304	.00264
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8008.8**	**100950.**	**8039.9**
Stddev	33.0	476.	25.0
%RSD	.41161	.47146	.31118
#1	8032.1	100610.	8057.6
#2	7985.5	101280.	8022.3

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:55:40 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.11075**	**.01384**	**.10129**	**.01043**	**.00112**	**.12077**	**.20691**	**.00529**	**.01063**	**.01045**	**.01569**	**.10313**
Stddev	.00059	.00129	.00040	.00084	.00005	.00005	.00060	.00022	.00002	.00021	.00009	.00011	.00189
%RSD	6.0102	1.1609	2.9008	.82746	.45278	4.2418	.49367	.10442	.36461	1.9494	.85429	.72637	1.8307
#1	.01032	.10984	.01412	.10188	.01040	.00115	.12035	.20676	.00530	.01049	.01051	.01561	.10446
#2	.00948	.11166	.01355	.10069	.01046	.00108	.12119	.20707	.00528	.01078	.01039	.01577	.10179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2038**	**.00918**	**.21268**	**.01052**	**.02068**	**1.2961**	**.04262**	**2.8831**	**.01100**	**.02281**	F **.01345**	**.01864**	**.49201**
Stddev	.0084	.00240	.00234	.00006	.00012	.0008	.00048	.0015	.00006	.00123	.00113	.00005	.00213
%RSD	.26344	26.116	1.1019	.55647	.59953	.05791	1.1341	.05212	.50856	5.3859	8.4351	.27345	.43367
#1	3.1978	.01088	.21433	.01057	.02077	1.2967	.04228	2.8820	.01096	.02368	.01425	.01861	.49352
#2	3.2098	.00749	.21102	.01048	.02059	1.2956	.04296	2.8841	.01104	.02194	.01264	.01868	.49050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0529**	**.10331**	**.01032**	**.01687**	**.01015**	**.01736**	**.04461**	**.00986**	**.02528**	**.01474**
Stddev	.0046	.00036	.00017	.00013	.00016	.00009	.05427	.00025	.00011	.00224
%RSD	.43367	.34977	1.6203	.75304	1.6199	.53114	121.65	2.5525	.43870	15.193
#1	1.0561	.10306	.01044	.01678	.01004	.01743	.00624	.00968	.02536	.01633
#2	1.0497	.10357	.01020	.01696	.01027	.01730	.08299	.01004	.02520	.01316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.0**	**101490.**	**8080.1**
Stddev	14.5	166.	49.7
%RSD	.18043	.16319	.61548
#1	8023.3	101610.	8045.0
#2	8002.8	101370.	8115.3

Sample Name: 280-48773-c-4-c Acquired: 11/8/2013 20:57:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.03410**	**.00019**	**1.0635**	**.01556**	**.00018**	**-.00254**	**54.523**	**.00040**	**.00058**
Stddev	.00101	.00039	.00148	.0018	.00023	.00003	.00279	.139	.00029	.00006
%RSD	86.655	1.1387	796.36	.16637	1.4622	17.262	109.87	.25499	72.357	9.8931
#1	-.00045	.03383	-.00086	1.0622	.01572	.00020	-.00451	54.424	.00060	.00062
#2	-.00187	.03438	.00123	1.0647	.01540	.00016	-.00057	54.621	.00019	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00232**	**.14763**	**.76202**	**.03989**	**11.025**	**.93654**	**.00586**	W **947.04**	**.00153**
Stddev	.00015	.00006	.00173	.15173	.00094	.037	.00160	.00004	.12	.00007
%RSD	67.244	2.8020	1.1713	19.912	2.3619	.33562	.17079	.66005	.01233	4.5913
#1	.00012	.00236	.14885	.65473	.03923	11.051	.93767	.00588	946.96	.00158
#2	.00033	.00227	.14640	.86931	.04056	10.999	.93541	.00583	947.13	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01888**	**.00133**	F **321.61**	**.00203**	**.00059**	**4.7263**	**10.114**	**-.00026**	**1.3435**	**-.00066**
Stddev	.00104	.00037	.21	.00200	.00210	.0087	.019	.00035	.0005	.00074
%RSD	5.5223	27.494	.06647	98.845	356.30	.18449	.18449	138.00	.03951	112.16
#1	.01962	.00107	321.76	.00061	.00208	4.7201	10.101	-.00001	1.3431	-.00119
#2	.01814	.00159	321.46	.00344	-.00090	4.7325	10.128	-.00051	1.3439	-.00014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00012**	**.04146**	**.00442**	**.01271**	**.00005**
Stddev	.00038	.00037	.01454	.00030	.00002	.00286
%RSD	35.560	296.63	35.069	6.8454	.12473	5415.5
#1	.00133	-.00038	.03118	.00464	.01270	.00207
#2	.00080	.00014	.05174	.00421	.01272	-.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7312.6**	**88954.**	**7976.2**
Stddev	15.7	603.	.3
%RSD	.21405	.67840	.00325
#1	7323.7	88527.	7976.4
#2	7301.5	89380.	7976.0

Sample Name: 280-48773-c-5-c Acquired: 11/8/2013 21:00:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.00450**	**.00084**	**1.6629**	**.01324**	**.00006**	**-.00050**	**88.233**	**.00064**	**-.00030**
Stddev	.00069	.00018	.00187	.0045	.00023	.00003	.00194	.103	.00009	.00021
%RSD	69.649	4.0608	224.22	.27060	1.7206	57.226	385.10	.11707	13.931	71.533
#1	-.00149	.00437	-.00049	1.6597	.01340	.00008	-.00187	88.160	.00070	-.00015
#2	-.00051	.00463	.00216	1.6660	.01308	.00003	.00087	88.306	.00058	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00275**	**.00615**	**1.9246**	**.09786**	**16.157**	**.16236**	**.00706**	W **1307.4**	**.00034**
Stddev	.00018	.00019	.00291	.1457	.00061	.023	.00035	.00012	.8	.00019
%RSD	31.192	7.0126	47.271	7.5700	.61864	.14521	.21710	1.6587	.06428	54.545
#1	.00069	.00262	.00409	1.8216	.09743	16.140	.16211	.00698	1308.0	.00047
#2	.00044	.00289	.00821	2.0276	.09829	16.174	.16261	.00715	1306.8	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03381**	**-.00039**	F **485.54**	**-.00058**	**.03723**	**6.1586**	**13.179**	**-.00137**	**2.4402**	**-.00482**
Stddev	.00124	.00004	.53	.00119	.00691	.0278	.059	.00025	.0039	.00205
%RSD	3.6758	9.2524	.10843	206.30	18.547	.45128	.45128	18.197	.15869	42.588
#1	.03469	-.00042	485.17	-.00142	.04212	6.1782	13.221	-.00155	2.4429	-.00337
#2	.03293	-.00037	485.91	.00027	.03235	6.1389	13.137	-.00120	2.4374	-.00627
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00024**	**.10298**	**.00240**	**.00415**	**.00102**
Stddev	.00027	.00032	.04302	.00041	.00009	.00082
%RSD	635.60	136.08	41.772	17.227	2.1158	79.532
#1	-.00024	-.00001	.07256	.00269	.00409	.00045
#2	.00015	-.00046	.13339	.00211	.00421	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7193.1**	**87591.**	**7910.7**
Stddev	5.0	314.	8.0
%RSD	.06976	.35902	.10166
#1	7189.5	87813.	7905.0
#2	7196.6	87368.	7916.4

Sample Name: 280-48773-c-6-c Acquired: 11/8/2013 21:03:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.00715**	**.00133**	**1.7421**	**.00730**	**.00010**	**.00026**	**29.044**	**.00008**	**-.00057**
Stddev	.00017	.00017	.00204	.0005	.00021	.00007	.00323	.033	.00017	.00009
%RSD	23.414	2.3242	152.78	.02927	2.8436	72.643	1259.3	.11280	204.98	16.115
#1	-.00062	.00704	-.00011	1.7425	.00745	.00005	-.00202	29.020	.00021	-.00063
#2	-.00086	.00727	.00278	1.7418	.00715	.00015	.00254	29.067	-.00004	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.00194**	**.03343**	**1.7127**	**.28880**	**5.0972**	**.00028**	**.00863**	W **921.88**	**-.00025**
Stddev	.00000	.00015	.00219	.0041	.00135	.0153	.00002	.00000	1.66	.00003
%RSD	.08087	7.5745	6.5638	.23688	.46612	.29974	6.6771	.05161	.17998	13.700
#1	.00185	.00204	.03188	1.7098	.28785	5.0863	.00029	.00863	920.71	-.00022
#2	.00185	.00183	.03498	1.7156	.28976	5.1080	.00027	.00863	923.05	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**-.00002**	F **396.32**	**.00061**	**.08632**	**3.9283**	**8.4066**	**-.00017**	**2.0680**	**-.00193**
Stddev	.00204	.00103	.75	.00029	.00185	.0238	.0509	.00044	.0031	.00123
%RSD	12.008	4312.7	.18906	48.170	2.1430	.60553	.60553	254.95	.15104	63.489
#1	.01553	-.00075	396.85	.00081	.08762	3.9115	8.3706	.00014	2.0658	-.00280
#2	.01841	.00070	395.79	.00040	.08501	3.9451	8.4425	-.00049	2.0702	-.00107
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00083**	**.06346**	**.01631**	**.00830**	**.00171**
Stddev	.00005	.00080	.01032	.00059	.00026	.00134
%RSD	148.17	96.658	16.264	3.6122	3.1378	78.467
#1	-.00007	.00026	.05616	.01590	.00849	.00266
#2	.00000	.00140	.07076	.01673	.00812	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7449.0**	**91500.**	**8165.3**
Stddev	29.8	490.	.2
%RSD	.40004	.53557	.00280
#1	7427.9	91846.	8165.2
#2	7470.0	91153.	8165.5

Sample Name: 280-48773-c-7-c Acquired: 11/8/2013 21:05:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.00658**	**.00239**	**1.3849**	**.00824**	**.00010**	**-.00018**	**21.305**	**.00007**	**-.00055**
Stddev	.00028	.00007	.00272	.0072	.00027	.00003	.00112	.023	.00010	.00009
%RSD	38.839	1.0518	113.48	.52017	3.3027	31.185	627.73	.10863	143.18	16.964
#1	-.00052	.00653	.00047	1.3798	.00843	.00013	-.00097	21.289	.00000	-.00049
#2	-.00091	.00663	.00431	1.3900	.00805	.00008	.00061	21.322	.00014	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00137**	**.00704**	**2.5650**	**.45607**	**2.4759**	**.00023**	**.00157**	W **1053.9**	**-.00031**
Stddev	.00015	.00024	.00077	.0411	.00379	.0001	.00003	.00010	1.2	.00016
%RSD	17.023	17.547	10.946	1.6033	.83098	.00429	13.275	6.3634	.11458	50.861
#1	.00079	.00120	.00649	2.5359	.45339	2.4760	.00026	.00165	1053.0	-.00042
#2	.00101	.00153	.00758	2.5941	.45875	2.4759	.00021	.00150	1054.7	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01121**	**-.00030**	F **370.74**	**-.00026**	**.07358**	**4.3389**	**9.2851**	**-.00067**	**1.6576**	**-.00318**
Stddev	.00000	.00083	.24	.00180	.00074	.0465	.0995	.00004	.0034	.00152
%RSD	.00291	280.64	.06519	702.15	1.0078	1.0712	1.0712	5.6035	.20610	47.702
#1	.01121	-.00088	370.91	.00101	.07306	4.3060	9.2148	-.00064	1.6552	-.00211
#2	.01121	.00029	370.57	-.00153	.07411	4.3717	9.3555	-.00069	1.6600	-.00425
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00221**	**.04509**	**.04479**	**.00460**	**.00285**
Stddev	.00008	.00049	.04894	.00035	.00039	.00506
%RSD	74.619	22.128	108.55	.77436	8.4281	177.70
#1	-.00005	.00186	.01048	.04455	.00433	-.00073
#2	-.00016	.00255	.07969	.04504	.00487	.00642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7392.7**	**90659.**	**8105.1**
Stddev	1.0	184.	31.9
%RSD	.01308	.20267	.39388
#1	7393.4	90789.	8127.7
#2	7392.1	90529.	8082.5

Sample Name: 280-48773-c-8-e Acquired: 11/8/2013 21:08:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.02858**	**.00013**	**1.3249**	**.01359**	**.00011**	**-.00148**	**50.626**	**.00046**	**-.00038**
Stddev	.00029	.00022	.00075	.0018	.00030	.00002	.00189	.001	.00016	.00028
%RSD	8139.9	.77488	567.71	.13566	2.1746	16.010	127.43	.00255	35.351	74.238
#1	.00021	.02874	.00066	1.3237	.01379	.00012	-.00015	50.625	.00058	-.00018
#2	-.00020	.02842	-.00040	1.3262	.01338	.00009	-.00282	50.627	.00035	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00196**	**.04855**	**1.5811**	**.16393**	**10.827**	**.00622**	**.00175**	W **1023.6**	**.00005**
Stddev	.00000	.00040	.00010	.0387	.00022	.068	.00003	.00010	1.5	.00023
%RSD	1.1436	20.459	.21257	2.4477	.13293	.62387	.44834	5.4976	.14185	421.70
#1	.00021	.00168	.04848	1.5538	.16377	10.875	.00620	.00168	1022.6	-.00011
#2	.00021	.00224	.04862	1.6085	.16408	10.779	.00623	.00181	1024.7	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04645**	**.00097**	F **356.05**	**.00063**	**.06392**	**4.5748**	**9.7901**	**-.00070**	**1.8079**	**-.00136**
Stddev	.00076	.00036	.57	.00184	.00043	.0436	.0934	.00052	.0021	.00180
%RSD	1.6360	36.643	.16125	292.40	.67170	.95378	.95378	73.545	.11530	132.27
#1	.04699	.00122	355.64	-.00067	.06423	4.6056	9.8561	-.00034	1.8064	-.00264
#2	.04591	.00072	356.45	.00193	.06362	4.5439	9.7240	-.00106	1.8094	-.00009
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00062**	**.01728**	**.00227**	**.01597**	**.00133**
Stddev	.00012	.00005	.00549	.00024	.00012	.00005
%RSD	37.669	8.2993	31.796	10.651	.73978	4.0979
#1	.00041	.00066	.01339	.00244	.01605	.00129
#2	.00024	.00059	.02116	.00210	.01589	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7471.7**	**92011.**	**8280.0**
Stddev	.2	660.	28.6
%RSD	.00223	.71680	.34499
#1	7471.6	91545.	8300.2
#2	7471.8	92478.	8259.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:11:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**50.867**	**.00556**	**.01059**	**.00021**	**.00008**	**1.0038**	**.01003**	**.00014**	**-.00087**	**-.00003**	**.00728**	**49.167**
Stddev	.00041	.032	.00365	.00072	.00035	.00003	.0071	.00354	.00008	.00009	.00015	.00023	.304
%RSD	10.899	.06257	65.660	6.8229	170.84	38.010	.70704	35.292	52.930	10.696	466.18	3.1431	.61779
#1	.00346	50.889	.00298	.01110	.00045	.00010	1.0088	.01253	.00009	-.00094	.00007	.00712	48.952
#2	.00404	50.844	.00814	.01008	-.00004	.00006	.99881	.00753	.00020	-.00081	-.00014	.00744	49.382
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27869**	**-.00100**	**.08672**	**.00037**	**-.00049**	**257.83**	**-.00016**	**.00088**	**.00234**	**5.1359**	**.00017**	**-.00002**	**.02264**
Stddev	.01622	.00099	.00310	.00006	.00030	1.27	.00006	.00038	.00083	.0500	.00194	.00414	.01359
%RSD	5.8195	99.101	3.5718	17.013	60.843	.49264	35.944	43.485	35.367	.97359	1171.9	19150.	60.043
#1	.26722	-.00030	.08891	.00032	-.00070	258.73	-.00012	.00115	.00292	5.1713	-.00120	.00291	.01303
#2	.29016	-.00171	.08453	.00041	-.00028	256.94	-.00020	.00061	.00175	5.1006	.00153	-.00295	.03225
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04844**	**-.00003**	**.00065**	**4.8721**	**-.00483**	**.00096**	**10.261**	**.00052**	**.00178**	**.01795**
Stddev	.02909	.00036	.00007	.0131	.00001	.00032	.028	.00000	.00046	.00080
%RSD	60.043	1149.7	10.312	.26813	.24944	33.137	.27612	.95011	26.023	4.4374
#1	.02787	.00022	.00070	4.8813	-.00482	.00073	10.241	.00052	.00146	.01852
#2	.06901	-.00029	.00060	4.8629	-.00484	.00118	10.281	.00052	.00211	.01739
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.6**	**98115.**	**8329.9**
Stddev	14.0	445.	32.5
%RSD	.17796	.45315	.39046
#1	7868.7	97801.	8352.9
#2	7888.5	98430.	8306.9

Sample Name: CCV-2357614 Acquired: 11/8/2013 21:14:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50048**	**.52189**	**1.0023**	**.50979**	**.51136**	**.50360**	**.00380**	**5.0777**	**.50835**	**.51071**	**.50332**	**.51386**	**2.4556**
Stddev	.00126	.00088	.0006	.00048	.00001	.00044	.00264	.0034	.00045	.00042	.00024	.00013	.0165
%RSD	.25097	.16835	.06049	.09347	.00120	.08657	69.539	.06598	.08880	.08153	.04673	.02434	.67081
#1	.49959	.52126	1.0019	.50945	.51137	.50391	.00193	5.0800	.50803	.51041	.50315	.51377	2.4672
#2	.50137	.52251	1.0028	.51012	.51136	.50329	.00567	5.0753	.50867	.51100	.50348	.51394	2.4439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.698**	**1.0178**	**19.828**	**.50759**	**.50516**	F **5.8742**	**.50962**	**.99740**	**1.0311**	**.07762**	**1.0237**	**.99920**	**5.0032**
Stddev	.009	.0020	.014	.00169	.00146	.0139	.00099	.00460	.0066	.00362	.0022	.00081	.0204
%RSD	.01830	.19505	.06951	.33333	.28967	.23711	.19451	.46116	.64448	4.6628	.21588	.08096	.40855
#1	51.692	1.0192	19.818	.50639	.50413	5.8841	.50892	.99415	1.0264	.08018	1.0221	.99977	5.0177
#2	51.705	1.0164	19.838	.50878	.50619	5.8644	.51032	1.0007	1.0358	.07506	1.0252	.99863	4.9888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.707**	**1.0053**	**.50740**	**-.00224**	**.51159**	**1.0328**	**.03051**	**.51009**	**.50532**	**.51159**
Stddev	.044	.0033	.00030	.00106	.00026	.0079	.02013	.00158	.00078	.00236
%RSD	.40855	.32693	.06003	47.606	.05063	.76159	65.979	.31066	.15421	.46096
#1	10.738	1.0030	.50761	-.00299	.51141	1.0272	.01628	.50897	.50477	.51326
#2	10.676	1.0076	.50718	-.00148	.51178	1.0383	.04475	.51121	.50587	.50993
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.8**	**101320.**	**8310.7**
Stddev	26.7	621.	60.1
%RSD	.33044	.61335	.72286
#1	8109.7	101760.	8353.1
#2	8071.9	100880.	8268.2

Sample Name: CCB Acquired: 11/8/2013 21:16:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00318**	**.00012**	W **.00492**	**.00014**	**.00018**	**.00071**	**.00369**	**.00019**	**-.00030**	**.00010**	**.00021**
Stddev	.00008	.00050	.00139	.00025	.00001	.00008	.00088	.00336	.00002	.00036	.00023	.00030
%RSD	23.602	15.562	1146.9	5.0876	6.3111	46.287	124.69	91.003	12.072	118.28	238.96	140.74
#1	-.00029	.00353	-.00086	.00510	.00013	.00024	.00008	.00132	.00021	-.00005	-.00007	.00042
#2	-.00041	.00283	.00110	.00475	.00014	.00012	.00133	.00606	.00017	-.00055	.00026	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.15799**	**-.00068**	**.00422**	**.00002**	**.00065**	F **.41243**	**.00020**	**.00046**	**.00137**	**.05940**	F **.00777**
Stddev	.00110	.03066	.00154	.00007	.00003	.00007	.00189	.00030	.00089	.00041	.00439	.00015
%RSD	31.680	19.408	225.76	1.6618	158.25	10.154	.45853	154.76	194.32	30.139	7.3959	1.9949
#1	.00269	.13631	.00041	.00417	.00003	.00061	.41377	-.00002	-.00017	.00108	.06251	.00766
#2	.00424	.17968	-.00177	.00427	.00000	.00070	.41110	.00041	.00109	.00166	.05629	.00788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.00420**	**.00898**	**.00020**	**.00014**	**.00187**	**.00017**	**.00020**	**-.03390**	**-.00019**	**.00304**	**.00156**
Stddev	.00024	.01827	.03909	.00011	.00010	.00006	.00038	.00067	.00641	.00039	.00004	.00102
%RSD	8.3504	435.11	435.11	58.311	71.540	3.0862	228.32	332.75	18.899	201.31	1.4626	65.441
#1	.00301	-.00872	-.01866	.00011	.00007	.00191	.00044	-.00027	-.02937	.00008	.00301	.00084
#2	.00268	.01712	.03663	.00028	.00022	.00182	-.00010	.00067	-.03843	-.00047	.00307	.00228
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8088.6**	**103210.**	**8188.2**
Stddev	.9	478.	23.9
%RSD	.01113	.46267	.29208
#1	8089.3	103550.	8171.2
#2	8088.0	102870.	8205.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 21:18:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**.11090**	**.01766**	**.10010**	**.01005**	**.00101**	**.12111**	**.20837**	**.00519**	**.01059**	**.01055**	**.01574**	**.10342**
Stddev	.00019	.00255	.00218	.00061	.00011	.00005	.00178	.00085	.00006	.00006	.00003	.00028	.00100
%RSD	1.9765	2.3014	12.325	.60524	1.1388	5.3516	1.4660	.40894	1.1943	.55819	.31571	1.7812	.96938
#1	.00971	.10909	.01920	.10053	.01013	.00105	.12237	.20777	.00524	.01055	.01058	.01594	.10413
#2	.00999	.11270	.01612	.09967	.00997	.00097	.11986	.20897	.00515	.01063	.01053	.01554	.10271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2106**	**.01025**	**.20915**	**.01037**	**.02005**	F **1.3957**	**.04224**	**2.8773**	**.00989**	**.05937**	**.01087**	**.01563**	**.49495**
Stddev	.0108	.00058	.00262	.00001	.00008	.0168	.00027	.0031	.00006	.00913	.00154	.00195	.00283
%RSD	.33557	5.6591	1.2515	.13480	.41133	1.2008	.63952	.10794	.63462	15.372	14.130	12.488	.57087
#1	3.2030	.01066	.20730	.01036	.02011	1.3839	.04204	2.8751	.00994	.05292	.00979	.01425	.49295
#2	3.2182	.00984	.21100	.01038	.02000	1.4076	.04243	2.8794	.00985	.06582	.01196	.01701	.49694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0592**	**.10295**	**.01042**	**.01499**	**.01016**	**.01734**	**.05212**	**.00968**	**.02478**	**.01722**
Stddev	.0060	.00037	.00006	.00022	.00050	.00189	.01427	.00037	.00022	.00096
%RSD	.57087	.36118	.58383	1.4578	4.9234	10.901	27.381	3.7858	.89361	5.5966
#1	1.0549	.10269	.01038	.01484	.00981	.01867	.04203	.00942	.02493	.01790
#2	1.0635	.10321	.01046	.01514	.01052	.01600	.06221	.00994	.02462	.01654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8102.8**	**102560.**	**8272.2**
Stddev	22.0	379.	16.8
%RSD	.27102	.36917	.20336
#1	8087.3	102290.	8260.3
#2	8118.4	102830.	8284.1

Sample Name: mb 280-199576/1-a Acquired: 11/8/2013 21:20:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00392**	**.00146**	**.00376**	**.00036**	**.00020**	**.00263**	**.00940**	**.00034**	**-.00018**
Stddev	.00008	.00014	.00028	.00023	.00004	.00006	.00080	.00249	.00007	.00018
%RSD	28.206	3.5441	19.411	6.0897	10.081	29.104	30.303	26.505	21.802	103.32
#1	-.00033	.00382	.00126	.00360	.00039	.00024	.00320	.00764	.00040	-.00030
#2	-.00022	.00402	.00167	.00392	.00033	.00016	.00207	.01116	.00029	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00000**	**.01653**	**.07902**	**.00012**	**.00031**	**.00042**	**-.00005**	**.28665**	**.00024**
Stddev	.00018	.00090	.00064	.00951	.00038	.00126	.00003	.00006	.00939	.00026
%RSD	109.17	57236.	3.8593	12.033	309.92	406.23	7.0470	120.44	3.2760	107.88
#1	.00004	.00064	.01698	.07229	.00039	.00120	.00040	-.00009	.29329	.00006
#2	.00030	-.00064	.01608	.08574	-.00015	-.00058	.00044	-.00001	.28001	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00075**	**.04256**	**.00056**	**.00496**	**.00719**	**.01539**	**-.00021**	**.00008**	**.00078**
Stddev	.00039	.00057	.00263	.00147	.00491	.00592	.01267	.00079	.00000	.00069
%RSD	289.06	75.071	6.1770	260.35	99.012	82.351	82.351	368.10	2.1056	87.850
#1	-.00014	.00115	.04070	.00160	.00842	.00300	.00643	-.00077	.00008	.00030
#2	.00041	.00035	.04442	-.00047	.00149	.01138	.02435	.00034	.00008	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00070**	**.00774**	**-.00065**	**.00755**	**.00079**
Stddev	.00044	.00103	.02010	.00012	.00005	.00022
%RSD	120.52	148.28	259.61	18.872	.70563	27.765
#1	.00068	-.00143	.02196	-.00074	.00751	.00063
#2	.00005	.00003	-.00647	-.00057	.00759	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.1**	**104830.**	**8363.6**
Stddev	4.1	697.	17.6
%RSD	.04946	.66536	.20995
#1	8222.2	104340.	8376.0
#2	8228.0	105320.	8351.1

Sample Name: lcs 280-199576/2-a Acquired: 11/8/2013 21:23:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04950**	**1.9675**	**1.0064**	**1.0074**	**2.0754**	**.05066**	**2.2813**	**50.065**	**.10516**	**.50070**
Stddev	.00095	.0033	.0060	.0033	.0095	.00000	.0039	.207	.00011	.00174
%RSD	1.9137	.16797	.59158	.32463	.45875	.00296	.17013	.41281	.10879	.34828
#1	.05017	1.9651	1.0022	1.0051	2.0686	.05066	2.2786	49.919	.10524	.49947
#2	.04883	1.9698	1.0106	1.0097	2.0821	.05066	2.2840	50.212	.10508	.50193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20312**	**.26095**	**1.0635**	**52.586**	**1.0256**	**49.653**	**.50344**	**1.0207**	**53.999**	**.50030**
Stddev	.00085	.00045	.0067	.178	.0054	.052	.00023	.0029	.229	.00199
%RSD	.41909	.17376	.62679	.33818	.52650	.10424	.04615	.28626	.42334	.39714
#1	.20252	.26063	1.0588	52.460	1.0218	49.690	.50360	1.0187	53.837	.49890
#2	.20372	.26127	1.0682	52.711	1.0294	49.617	.50327	1.0228	54.160	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.155**	**.50062**	**.02565**	**.51006**	**1.9907**	**10.056**	**21.519**	**2.0080**	**1.0267**	**1.0226**
Stddev	.027	.00168	.00027	.00060	.0019	.004	.009	.0041	.0031	.0039
%RSD	.27000	.33507	1.0569	.11750	.09612	.04114	.04114	.20214	.29989	.38320
#1	10.135	.49943	.02546	.50963	1.9894	10.053	21.513	2.0109	1.0245	1.0199
#2	10.174	.50180	.02584	.51048	1.9921	10.058	21.525	2.0051	1.0289	1.0254
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0312**	**1.9841**	**2.1700**	**.51752**	**.50314**	**.51641**
Stddev	.0014	.0054	.0030	.00015	.00129	.00491
%RSD	.13173	.27025	.13818	.02926	.25668	.95073
#1	1.0302	1.9879	2.1678	.51741	.50405	.51988
#2	1.0321	1.9803	2.1721	.51763	.50223	.51294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7888.1**	**98843.**	**8316.3**
Stddev	7.2	77.	46.1
%RSD	.09118	.07758	.55491
#1	7883.1	98789.	8348.9
#2	7893.2	98897.	8283.6

Sample Name: 280-48773-c-1-a Acquired: 11/8/2013 21:25:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00475**	**.00099**	**1.1743**	**.01859**	**.00012**	**.00005**	**18.818**	**.00047**	**-.00006**
Stddev	.00033	.00006	.00010	.0059	.00028	.00006	.00121	.038	.00010	.00001
%RSD	58.808	1.3606	9.9083	.49974	1.5020	52.572	2226.0	.20249	20.915	13.602
#1	-.00079	.00480	.00092	1.1701	.01839	.00007	-.00080	18.845	.00040	-.00006
#2	-.00033	.00471	.00106	1.1784	.01879	.00016	.00091	18.791	.00054	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00418**	**.00473**	**.85818**	**.03200**	**7.0276**	**.11402**	**.02998**	W **914.23**	**.00443**
Stddev	.00021	.00036	.00064	.07531	.00305	.0675	.00092	.00060	1.50	.00006
%RSD	312.42	8.6115	13.487	8.7753	9.5177	.96105	.80558	2.0163	.16442	1.4600
#1	-.00008	.00444	.00518	.80493	.02984	7.0754	.11467	.02955	915.30	.00439
#2	.00021	.00393	.00428	.91143	.03415	6.9799	.11337	.03041	913.17	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09523**	**.00053**	F **242.52**	**.00056**	**.00089**	**4.0359**	**8.6369**	**-.00066**	**.59853**	**-.00152**
Stddev	.00048	.00074	.42	.00121	.00098	.0199	.0426	.00014	.00057	.00283
%RSD	.50309	137.97	.17320	217.41	110.81	.49271	.49271	21.184	.09473	185.64
#1	.09489	.00001	242.23	.00142	.00158	4.0219	8.6068	-.00076	.59894	.00048
#2	.09557	.00106	242.82	-.00030	.00019	4.0500	8.6670	-.00056	.59813	-.00352
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00199**	**-.00327**	**.00424**	**.00551**	**-.00106**
Stddev	.00014	.00069	.06067	.00030	.00040	.00139
%RSD	39.318	34.611	1854.3	7.1627	7.2575	130.95
#1	.00026	.00151	-.04617	.00402	.00523	-.00205
#2	.00046	.00248	.03963	.00445	.00579	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7432.7**	**91914.**	**8114.9**
Stddev	5.0	421.	23.3
%RSD	.06663	.45781	.28710
#1	7436.2	91616.	8098.4
#2	7429.2	92211.	8131.4

Sample Name: 280-48773-c-1-aSD@5 Acquired: 11/8/2013 21:27:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.01010**	**.00123**	**.24446**	**.00407**	**.00008**	**.00150**	**3.8484**	**.00033**	**-.00026**
Stddev	.00030	.00029	.00084	.00014	.00009	.00002	.00290	.0169	.00007	.00009
%RSD	49.290	2.8616	68.496	.05686	2.1793	21.231	193.51	.43854	19.963	35.950
#1	-.00040	.01030	.00183	.24456	.00414	.00009	.00354	3.8365	.00028	-.00019
#2	-.00082	.00989	.00064	.24436	.00401	.00006	-.00055	3.8604	.00037	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00170**	**.01906**	**.28576**	**.00514**	**1.4306**	**.02277**	**.00599**	**182.02**	**.00065**
Stddev	.00002	.00053	.00079	.10031	.00248	.0027	.00003	.00021	.18	.00041
%RSD	11.310	30.942	4.1692	35.103	48.250	.18800	.11718	3.4836	.09985	62.126
#1	.00017	.00207	.01850	.35669	.00689	1.4325	.02275	.00584	182.15	.00094
#2	.00014	.00133	.01962	.21483	.00339	1.4287	.02279	.00614	181.89	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01956**	**.00042**	**46.798**	**.00132**	**.00038**	**.79631**	**1.7041**	**.00299**	**.11963**	**-.00035**
Stddev	.00195	.00017	.100	.00050	.00082	.00358	.0077	.00020	.00008	.00091
%RSD	9.9711	39.576	.21402	37.808	214.49	.44925	.44925	6.5378	.06641	261.25
#1	.02093	.00030	46.869	.00167	-.00020	.79378	1.6987	.00312	.11957	.00029
#2	.01818	.00054	46.727	.00097	.00096	.79884	1.7095	.00285	.11969	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00060**	**-.00036**	**.00065**	**.00758**	**.00235**
Stddev	.00000	.00017	.01246	.00006	.00032	.00134
%RSD	1.5160	28.003	3442.5	8.4892	4.2260	56.831
#1	.00015	.00048	.00845	.00069	.00781	.00330
#2	.00015	.00072	-.00917	.00061	.00735	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.2**	**97821.**	**8074.7**
Stddev	6.9	27.	43.4
%RSD	.08868	.02811	.53763
#1	7735.0	97801.	8044.1
#2	7725.3	97840.	8105.4

Sample Name: 280-48773-c-1-b ms Acquired: 11/8/2013 21:30:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04928	1.8939	1.0379	2.0689	2.0778	.05041	F 2.2025	67.626	.10581	.49266
Stddev	.00030	.0031	.0009	.0002	.0007	.00002	.0128	.059	.00043	.00039
%RSD	.60273	.16570	.08998	.00973	.03255	.04108	.58297	.08719	.40544	.07923
#1	.04907	1.8961	1.0372	2.0688	2.0773	.05043	2.1934	67.667	.10550	.49293
#2	.04949	1.8917	1.0385	2.0691	2.0783	.05040	2.2116	67.584	.10611	.49238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19967	.26195	.97344	55.633	1.0626	55.145	.61535	1.0417	W 935.86	.49812
Stddev	.00102	.00023	.00172	.142	.0002	.016	.00064	.0002	.75	.00208
%RSD	.50984	.08904	.17635	.25579	.02058	.02821	.10376	.02032	.07990	.41678
#1	.19895	.26212	.97465	55.532	1.0628	55.134	.61490	1.0418	935.33	.49666
#2	.20039	.26179	.97223	55.734	1.0624	55.156	.61581	1.0415	936.39	.49959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.669	.47521	F 233.21	.50594	2.0162	13.830	29.596	1.9611	1.6015	1.0349
Stddev	.021	.00243	.04	.00106	.0046	.078	.167	.0074	.0013	.0016
%RSD	.19657	.51048	.01929	.21023	.22694	.56486	.56486	.37641	.08327	.15293
#1	10.684	.47350	233.24	.50519	2.0129	13.775	29.478	1.9559	1.6005	1.0360
#2	10.654	.47693	233.18	.50669	2.0194	13.885	29.714	1.9663	1.6024	1.0337
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0476	1.7649	2.1336	.53097	.52115	.51504
Stddev	.0021	.0059	.0478	.00086	.00052	.00283
%RSD	.20339	.33216	2.2422	.16282	.09981	.55034
#1	1.0461	1.7608	2.1674	.53036	.52079	.51705
#2	1.0491	1.7691	2.0997	.53158	.52152	.51304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7431.7	91443.	8188.4
Stddev	15.0	554.	45.3
%RSD	.20123	.60563	.55316
#1	7421.1	91834.	8156.3
#2	7442.2	91051.	8220.4

Sample Name: 280-48773-c-1-c msd Acquired: 11/8/2013 21:32:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04959**	**1.8707**	**1.0356**	**2.0876**	**2.0712**	**.05019**	F **2.1954**	**67.888**	**.10523**	**.48994**
Stddev	.00015	.0034	.0020	.0057	.0070	.00014	.0003	.253	.00007	.00105
%RSD	.30201	.18049	.19437	.27357	.33745	.27006	.01340	.37339	.06612	.21397
#1	.04969	1.8684	1.0342	2.0836	2.0762	.05028	2.1952	68.067	.10518	.48920
#2	.04948	1.8731	1.0370	2.0917	2.0663	.05009	2.1956	67.709	.10527	.49068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19862**	**.26091**	**.96924**	**55.689**	**1.0619**	**54.957**	**.61340**	**1.0375**	W **952.85**	**.49464**
Stddev	.00037	.00066	.00031	.073	.0034	.106	.00096	.0002	2.24	.00015
%RSD	.18380	.25433	.03206	.13029	.31549	.19228	.15694	.02196	.23527	.02960
#1	.19837	.26045	.96902	55.741	1.0643	54.882	.61272	1.0374	954.44	.49454
#2	.19888	.26138	.96946	55.638	1.0595	55.031	.61408	1.0377	951.27	.49475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.693**	**.47055**	F **236.88**	**.50321**	**2.0105**	**14.019**	**30.001**	**1.9460**	**1.6099**	**1.0331**
Stddev	.003	.00215	.54	.00163	.0000	.114	.245	.0054	.0044	.0013
%RSD	.03132	.45620	.22839	.32440	.00146	.81631	.81631	.27825	.27560	.12202
#1	10.690	.46904	236.50	.50205	2.0105	13.938	29.828	1.9422	1.6130	1.0322
#2	10.695	.47207	237.26	.50436	2.0105	14.100	30.174	1.9498	1.6068	1.0340
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0371**	**1.7497**	**2.1128**	**.52646**	**.51551**	**.51675**
Stddev	.0003	.0030	.0462	.00036	.00203	.00593
%RSD	.03043	.17260	2.1883	.06872	.39466	1.1467
#1	1.0369	1.7475	2.1455	.52620	.51407	.51256
#2	1.0373	1.7518	2.0801	.52671	.51695	.52094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7496.4**	**92279.**	**8248.9**
Stddev	3.4	271.	29.5
%RSD	.04480	.29362	.35743
#1	7494.1	92471.	8228.0
#2	7498.8	92087.	8269.7

Sample Name: 280-48773-c-1-aPDS Acquired: 11/8/2013 21:34:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05262**	**.97596**	**.21229**	**1.2476**	**.12127**	**.05082**	**-.00066**	**38.324**	**.05294**	**.05046**
Stddev	.00080	.00134	.00080	.0030	.00006	.00004	.00465	.054	.00012	.00030
%RSD	1.5133	.13722	.37664	.24036	.04550	.07088	706.78	.14013	.23318	.59770
#1	.05205	.97501	.21172	1.2455	.12123	.05080	-.00395	38.286	.05285	.05067
#2	.05318	.97691	.21285	1.2497	.12131	.05085	.00263	38.362	.05303	.05025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05096**	**.05692**	**.97717**	**23.387**	**.13507**	**25.997**	**.16180**	**.08104**	W **915.24**	**.05473**
Stddev	.00023	.00119	.00878	.056	.00371	.035	.00007	.00028	.20	.00029
%RSD	.45570	2.0851	.89802	.24024	2.7441	.13497	.04199	.34077	.02204	.53307
#1	.05112	.05776	.97097	23.348	.13245	25.972	.16175	.08084	915.38	.05494
#2	.05079	.05608	.98338	23.427	.13769	26.022	.16184	.08123	915.10	.05453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2735**	**.09741**	F **236.35**	**.10450**	**.20664**	**8.9633**	**19.181**	**.10147**	**.63534**	**.20596**
Stddev	.0063	.00055	.21	.00189	.00009	.0506	.108	.00033	.00081	.00115
%RSD	.27873	.56345	.08725	1.8101	.04206	.56459	.56459	.32446	.12758	.56029
#1	2.2691	.09702	236.20	.10316	.20671	8.9991	19.258	.10170	.63591	.20678
#2	2.2780	.09780	236.49	.10584	.20658	8.9275	19.105	.10123	.63476	.20515
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05331**	**.17991**	**.49735**	**.05663**	**.21806**	**.05661**
Stddev	.00019	.00244	.00487	.00031	.00011	.00072
%RSD	.35949	1.3581	.97990	.54000	.04908	1.2806
#1	.05344	.17818	.50080	.05641	.21799	.05712
#2	.05317	.18164	.49391	.05684	.21814	.05610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7539.7**	**93160.**	**8364.7**
Stddev	15.0	390.	36.3
%RSD	.19908	.41830	.43359
#1	7550.3	93435.	8339.0
#2	7529.1	92884.	8390.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:36:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**51.342**	**.00166**	**.01153**	**.00058**	**.00004**	**1.0355**	**.01960**	**-.00002**	**-.00070**	**-.00017**	**.00817**	**49.644**
Stddev	.00042	.129	.00012	.00070	.00001	.00004	.0010	.00180	.00013	.00037	.00004	.00037	.273
%RSD	11.933	.25215	7.3009	6.0447	1.2758	105.12	.09476	9.1924	574.49	52.865	23.320	4.5796	.55058
#1	.00382	51.433	.00175	.01202	.00057	.00007	1.0362	.02087	-.00011	-.00096	-.00020	.00844	49.451
#2	.00323	51.250	.00157	.01103	.00058	.00001	1.0348	.01832	.00007	-.00044	-.00014	.00791	49.837
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34386**	**.00291**	**.08918**	**.00038**	**-.00006**	**261.27**	**-.00015**	**.00431**	**.00115**	**5.2234**	**.00021**	**-.00172**	**.03660**
Stddev	.06811	.00106	.00379	.00004	.00009	1.28	.00002	.00065	.00105	.0202	.00007	.00081	.00007
%RSD	19.809	36.389	4.2495	10.697	141.90	.48990	13.534	15.033	91.731	.38572	33.301	47.171	.20220
#1	.39202	.00366	.08650	.00041	.00000	262.18	-.00016	.00477	.00189	5.2092	.00026	-.00229	.03655
#2	.29570	.00216	.09186	.00035	-.00012	260.37	-.00013	.00385	.00040	5.2377	.00016	-.00114	.03666
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07833**	**-.00035**	**.00073**	**4.9193**	**-.00531**	**.00071**	**10.402**	**.00031**	**.00223**	**.02008**
Stddev	.00016	.00019	.00007	.0022	.00065	.00040	.027	.00061	.00055	.00318
%RSD	.20220	55.090	9.5795	.04513	12.208	56.513	.25991	196.31	24.580	15.819
#1	.07822	-.00021	.00078	4.9177	-.00576	.00043	10.383	.00074	.00261	.02233
#2	.07844	-.00048	.00068	4.9208	-.00485	.00099	10.421	-.00012	.00184	.01784
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7963.6**	**99017.**	**8440.5**
Stddev	2.8	164.	59.2
%RSD	.03483	.16578	.70130
#1	7965.6	99133.	8398.6
#2	7961.6	98901.	8482.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 21:39:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50338**	**.52260**	**1.0162**	**.51573**	**.51230**	**.50424**	**.00056**	**5.0764**	**.51257**	**.51311**	**.50576**	**.51806**	**2.4428**
Stddev	.00020	.00044	.0025	.00061	.00078	.00293	.00092	.0081	.00045	.00010	.00025	.00078	.0207
%RSD	.03904	.08495	.24633	.11836	.15150	.58041	164.63	.16007	.08825	.01968	.04889	.14987	.84767
#1	.50352	.52229	1.0144	.51530	.51175	.50217	-.00009	5.0706	.51225	.51303	.50593	.51751	2.4282
#2	.50324	.52292	1.0179	.51616	.51285	.50631	.00120	5.0821	.51289	.51318	.50558	.51861	2.4574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.783**	**1.0187**	**19.855**	**.50700**	**.51241**	F **5.8733**	**.51529**	**1.0139**	**1.0425**	**.05912**	**1.0463**	**1.0206**	**4.9864**
Stddev	.187	.0000	.060	.00054	.00384	.0007	.00525	.0058	.0066	.00231	.0011	.0015	.0425
%RSD	.36049	.00136	.30330	.10640	.74922	.01260	1.0191	.57614	.63764	3.9149	.10576	.15215	.85219
#1	51.651	1.0187	19.898	.50738	.50969	5.8728	.51158	1.0098	1.0378	.05748	1.0471	1.0195	4.9564
#2	51.915	1.0187	19.812	.50661	.51512	5.8738	.51900	1.0180	1.0472	.06076	1.0456	1.0217	5.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0208**	**.50804**	**-.00313**	**.51231**	**1.0491**	**.01816**	**.51286**	**.50389**	**.50798**
Stddev	.091	.0003	.00117	.00036	.00104	.0017	.02503	.00031	.00051	.00343
%RSD	.85219	.02995	.23104	11.593	.20240	.16066	137.83	.06005	.10204	.67454
#1	10.607	1.0206	.50721	-.00288	.51157	1.0502	.00046	.51308	.50425	.50556
#2	10.735	1.0210	.50887	-.00339	.51304	1.0479	.03587	.51264	.50353	.51041
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8165.7**	**103500.**	**8501.6**
Stddev	2.2	107.	69.7
%RSD	.02681	.10315	.81949
#1	8164.1	103420.	8550.9
#2	8167.2	103570.	8452.4

Sample Name: CCB Acquired: 11/8/2013 21:41:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00268**	**-.00078**	W **.00532**	**-.00005**	**.00017**	**.00194**	**.00487**	**.00020**	**-.00009**	**.00000**	**-.00019**
Stddev	.00019	.00027	.00270	.00017	.00029	.00000	.00023	.00443	.00004	.00001	.00001	.00004
%RSD	128.64	9.9198	347.07	3.1723	564.27	2.6980	11.672	90.997	17.618	14.913	307.99	21.267
#1	.00001	.00287	-.00269	.00520	.00015	.00016	.00178	.00174	.00018	-.00010	.00001	-.00016
#2	.00028	.00249	.00113	.00544	-.00026	.00017	.00210	.00801	.00023	-.00008	-.00001	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00587**	**.15807**	**.00084**	**.00456**	**.00001**	**.00063**	F **.41317**	**-.00030**	**-.00071**	**.00193**	**.04774**	F **.00801**
Stddev	.00123	.03217	.00067	.00034	.00000	.00008	.02794	.00013	.00049	.00010	.00254	.00506
%RSD	20.942	20.349	80.144	7.4782	51.687	12.698	6.7616	42.958	69.601	5.4243	5.3117	63.100
#1	.00674	.18081	.00036	.00480	.00000	.00058	.43293	-.00039	-.00106	.00186	.04954	.00444
#2	.00500	.13532	.00131	.00432	.00001	.00069	.39342	-.00021	-.00036	.00201	.04595	.01159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.01210**	**.02588**	**.00026**	**.00018**	**-.00059**	**.00036**	**.00009**	**.01248**	**-.00051**	**.00345**	**.00012**
Stddev	.00498	.00363	.00776	.00055	.00009	.00002	.00027	.00206	.00740	.00004	.00053	.00039
%RSD	478.76	29.996	29.996	215.01	51.298	2.6519	75.998	2276.5	59.332	7.5217	15.452	319.05
#1	-.00248	.00953	.02039	-.00013	.00012	-.00058	.00055	.00155	.01772	-.00048	.00308	-.00015
#2	.00456	.01466	.03137	.00065	.00025	-.00060	.00017	-.00137	.00724	-.00054	.00383	.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.0**	**105170.**	**8398.8**
Stddev	7.6	415.	25.8
%RSD	.09307	.39440	.30680
#1	8198.6	105470.	8417.0
#2	8209.4	104880.	8380.6

Sample Name: CCVL-2367586 Acquired: 11/8/2013 21:43:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01020**	**.11092**	**.01591**	**.10412**	**.01078**	**.00118**	**.12838**	**.21744**	**.00555**	**.01114**	**.01079**	**.01603**	**.10348**
Stddev	.00024	.00009	.00278	.00052	.00001	.00006	.00074	.00080	.00001	.00006	.00028	.00034	.00237
%RSD	2.3408	.07690	17.445	.50197	.12647	5.0952	.57500	.36988	.24354	.55438	2.5773	2.1043	2.2858
#1	.01003	.11098	.01395	.10449	.01077	.00123	.12890	.21687	.00556	.01119	.01059	.01579	.10181
#2	.01037	.11086	.01787	.10375	.01079	.00114	.12786	.21801	.00554	.01110	.01098	.01627	.10515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2948**	**.01102**	**.21367**	**.01056**	**.02098**	F **1.3884**	**.04345**	**2.9739**	**.01115**	**.04234**	**.01171**	**.01784**	**.51881**
Stddev	.0334	.00190	.00431	.00000	.00039	.0047	.00013	.0017	.00005	.00076	.00107	.00124	.00529
%RSD	1.0127	17.237	2.0167	.02287	1.8388	.34178	.29355	.05586	.45631	1.7924	9.1043	6.9265	1.0201
#1	3.2712	.01237	.21063	.01056	.02070	1.3850	.04335	2.9751	.01119	.04287	.01096	.01697	.51507
#2	3.3184	.00968	.21672	.01055	.02125	1.3917	.04354	2.9727	.01111	.04180	.01247	.01871	.52255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1103**	**.10524**	**.01056**	**.01502**	**.00989**	**.01621**	**.07347**	**.01002**	**.02565**	**.01624**
Stddev	.0113	.00012	.00005	.00042	.00030	.00154	.03296	.00030	.00058	.00003
%RSD	1.0201	.11870	.45364	2.8205	3.0650	9.4765	44.859	3.0139	2.2477	.17166
#1	1.1022	.10532	.01053	.01472	.01011	.01730	.09678	.00981	.02525	.01626
#2	1.1183	.10515	.01059	.01532	.00968	.01512	.05017	.01023	.02606	.01622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.9**	**104580.**	**8516.2**
Stddev	11.4	1231.	7.9
%RSD	.14026	1.1767	.09330
#1	8126.0	105450.	8510.6
#2	8109.9	103710.	8521.8

Sample Name: 280-48773-c-4-a Acquired: 11/8/2013 21:45:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00598**	**-.00041**	**1.0848**	**.01177**	**.00019**	**.00333**	**54.432**	**.00045**	**-.00040**
Stddev	.00021	.00362	.00038	.0014	.00034	.00001	.00338	.066	.00001	.00013
%RSD	45.692	60.513	93.175	.12703	2.8592	5.0747	101.47	.12067	2.8324	31.986
#1	-.00060	.00342	-.00068	1.0839	.01153	.00020	.00573	54.385	.00046	-.00049
#2	-.00031	.00854	-.00014	1.0858	.01201	.00018	.00094	54.478	.00044	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00404**	**.02893**	**.77809**	**.04052**	**11.026**	**.13658**	**.00628**	W **953.18**	**.00073**
Stddev	.00018	.00030	.00222	.11542	.00092	.016	.00016	.00014	3.09	.00019
%RSD	46.550	7.4577	7.6583	14.834	2.2607	.14386	.11501	2.2452	.32387	26.169
#1	.00026	.00382	.02737	.69647	.03987	11.037	.13669	.00638	951.00	.00087
#2	.00051	.00425	.03050	.85970	.04117	11.014	.13647	.00618	955.37	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01964**	**-.00023**	F **327.36**	**.00124**	**.00320**	**4.6806**	**10.016**	**-.00019**	**1.3435**	**-.00344**
Stddev	.00096	.00062	.96	.00028	.00285	.0671	.144	.00056	.0010	.00000
%RSD	4.8733	263.09	.29348	22.389	88.999	1.4336	1.4336	300.33	.07261	.01300
#1	.02032	.00020	328.04	.00143	.00119	4.6331	9.9149	-.00058	1.3428	-.00344
#2	.01897	-.00067	326.68	.00104	.00522	4.7280	10.118	.00021	1.3442	-.00344
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00084**	**.09046**	**.00442**	**.01095**	**.00139**
Stddev	.00012	.00002	.00491	.00091	.00037	.00014
%RSD	326.13	2.9183	5.4247	20.694	3.4205	9.7314
#1	-.00005	.00086	.08699	.00506	.01069	.00149
#2	.00012	.00082	.09393	.00377	.01122	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7457.0**	**91746.**	**8299.8**
Stddev	3.0	279.	92.0
%RSD	.04056	.30444	1.1089
#1	7454.8	91549.	8364.9
#2	7459.1	91944.	8234.8

Sample Name: 280-48773-c-5-a Acquired: 11/8/2013 21:48:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.00276**	**.00167**	**1.6599**	**.01299**	**.00008**	**-.00198**	**85.081**	**.00062**	**-.00047**
Stddev	.00041	.00019	.00278	.0014	.00018	.00005	.00233	.528	.00003	.00006
%RSD	48.503	6.7026	166.41	.08661	1.3769	64.294	117.59	.62117	5.1245	13.570
#1	-.00055	.00263	-.00030	1.6589	.01286	.00011	-.00363	85.454	.00060	-.00042
#2	-.00112	.00289	.00364	1.6609	.01312	.00004	-.00033	84.707	.00064	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00284**	**.00610**	**1.7313**	**.09766**	**15.712**	**.15588**	**.00705**	W **1280.2**	**.00095**
Stddev	.00003	.00005	.00029	.1209	.00150	.006	.00020	.00006	8.7	.00032
%RSD	10.748	1.9259	4.8250	6.9811	1.5345	.04064	.12802	.88220	.68037	33.634
#1	.00022	.00280	.00589	1.6458	.09660	15.717	.15574	.00701	1286.4	.00117
#2	.00025	.00288	.00631	1.8167	.09872	15.708	.15602	.00710	1274.0	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03850**	**.00033**	F **481.06**	**-.00064**	**.03424**	**5.9591**	**12.752**	**-.00144**	**2.3673**	**-.00423**
Stddev	.00348	.00044	.19	.00073	.00135	.0079	.017	.00028	.0176	.00091
%RSD	9.0479	133.14	.03958	113.97	3.9468	.13195	.13195	19.543	.74167	21.589
#1	.03603	.00002	481.20	-.00115	.03328	5.9646	12.764	-.00124	2.3798	-.00488
#2	.04096	.00064	480.93	-.00012	.03519	5.9535	12.741	-.00164	2.3549	-.00359
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00069**	**.10322**	**.00222**	**.00484**	**.00144**
Stddev	.00049	.00122	.02558	.00011	.00063	.00035
%RSD	1097.0	176.67	24.782	5.0007	12.977	24.550
#1	-.00039	-.00017	.12131	.00214	.00528	.00119
#2	.00030	.00155	.08513	.00230	.00439	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7373.9**	**89816.**	**8201.2**
Stddev	.8	59.	5.1
%RSD	.01097	.06557	.06279
#1	7373.3	89858.	8197.6
#2	7374.4	89774.	8204.8

Sample Name: 280-48773-c-6-a Acquired: 11/8/2013 21:51:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00338**	**.00181**	**1.8263**	**.00754**	**.00016**	**.00162**	**29.434**	**.00033**	**-.00042**
Stddev	.00034	.00036	.00129	.0044	.00001	.00006	.00097	.167	.00024	.00011
%RSD	40.477	10.575	71.190	.24317	.18390	36.044	59.634	.56577	74.472	26.613
#1	-.00107	.00312	.00090	1.8232	.00753	.00020	.00094	29.316	.00050	-.00034
#2	-.00059	.00363	.00273	1.8294	.00755	.00012	.00231	29.551	.00015	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.00253**	**.00260**	**1.5634**	**.29730**	**5.2358**	**.00040**	**.00836**	W **944.08**	**.00060**
Stddev	.00006	.00032	.00031	.1372	.00017	.0186	.00002	.00019	4.87	.00025
%RSD	3.2600	12.664	11.801	8.7755	.05716	.35544	4.8759	2.2840	.51635	41.375
#1	.00182	.00231	.00282	1.4664	.29742	5.2226	.00039	.00850	940.63	.00042
#2	.00174	.00276	.00239	1.6604	.29718	5.2490	.00041	.00823	947.53	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02296**	**.00047**	F **412.31**	**.00067**	**.08845**	**3.9753**	**8.5072**	**.00355**	**2.1090**	**-.00046**
Stddev	.00008	.00001	.10	.00111	.00353	.0130	.0279	.00001	.0118	.00041
%RSD	.35968	1.9429	.02427	166.37	3.9861	.32788	.32788	.17614	.55966	88.548
#1	.02302	.00048	412.24	.00145	.09095	3.9845	8.5269	.00356	2.1006	-.00075
#2	.02290	.00046	412.38	-.00012	.08596	3.9661	8.4875	.00355	2.1173	-.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00051**	**.07386**	**.01597**	**.00782**	**.00120**
Stddev	.00021	.00132	.01331	.00048	.00084	.00174
%RSD	58.811	259.51	18.016	2.9962	10.773	144.54
#1	-.00021	.00145	.06445	.01630	.00722	.00243
#2	-.00050	-.00043	.08327	.01563	.00842	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7562.2**	**93524.**	**8354.9**
Stddev	24.9	865.	2.9
%RSD	.32941	.92488	.03505
#1	7579.8	94136.	8352.8
#2	7544.6	92912.	8357.0

Sample Name: 280-48773-c-7-a Acquired: 11/8/2013 21:53:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00574**	**.00121**	**1.4349**	**.00860**	**.00003**	**.00030**	**21.785**	**.00005**	**-.00056**
Stddev	.00017	.00016	.00347	.0024	.00010	.00000	.00202	.049	.00009	.00000
%RSD	356.75	2.8444	287.86	.16391	1.1469	7.8634	671.49	.22702	178.57	.07157
#1	.00007	.00585	.00366	1.4366	.00853	.00003	.00173	21.750	-.00001	-.00056
#2	-.00017	.00562	-.00125	1.4333	.00867	.00003	-.00113	21.820	.00012	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00246**	**.01301**	**2.4669**	**.46584**	**2.5113**	**.00024**	**.00152**	W **1085.4**	**.00013**
Stddev	.00016	.00022	.00079	.0089	.00253	.0140	.00000	.00006	2.3	.00032
%RSD	21.549	8.9065	6.0419	.36251	.54288	.55845	1.3295	3.7908	.20996	249.73
#1	.00088	.00261	.01246	2.4732	.46763	2.5212	.00024	.00148	1083.7	-.00010
#2	.00065	.00230	.01357	2.4606	.46405	2.5014	.00024	.00156	1087.0	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01480**	**.00061**	F **385.45**	**-.00048**	**.07752**	**4.3947**	**9.4047**	**-.00101**	**1.7019**	**-.00352**
Stddev	.00020	.00051	.15	.00123	.00047	.0535	.1144	.00130	.0030	.00012
%RSD	1.3393	83.602	.03772	258.89	.61070	1.2165	1.2165	128.59	.17770	3.3922
#1	.01466	.00025	385.35	-.00135	.07785	4.4325	9.4856	-.00009	1.6997	-.00344
#2	.01494	.00098	385.55	.00040	.07718	4.3569	9.3238	-.00193	1.7040	-.00361
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00073**	**.05814**	**.04553**	**.00443**	**.00171**
Stddev	.00017	.00267	.03100	.00014	.00052	.00292
%RSD	35.780	364.42	53.323	.30452	11.844	170.68
#1	.00036	-.00262	.08007	.04563	.00480	-.00035
#2	.00060	.00116	.03622	.04544	.00406	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7557.3**	**92691.**	**8281.5**
Stddev	12.4	449.	7.4
%RSD	.16451	.48463	.08959
#1	7548.5	92373.	8286.7
#2	7566.1	93009.	8276.2

Sample Name: 280-48773-c-8-a Acquired: 11/8/2013 21:56:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.01099**	**.00168**	**1.3132**	**.01313**	**.00008**	**-.00027**	**48.973**	**.00047**	**-.00044**
Stddev	.00025	.00036	.00194	.0010	.00041	.00003	.00176	.226	.00003	.00003
%RSD	52.180	3.2839	115.61	.07570	3.0925	41.538	661.82	.46237	6.0004	8.0197
#1	-.00065	.01124	.00031	1.3139	.01342	.00006	.00098	48.813	.00049	-.00046
#2	-.00030	.01073	.00305	1.3125	.01284	.00010	-.00151	49.133	.00045	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00247**	**.01065**	**1.4019**	**.16140**	**10.647**	**.00575**	**.00147**	W **997.19**	**.00015**
Stddev	.00013	.00105	.00111	.0987	.00183	.002	.00001	.00001	4.05	.00002
%RSD	44.077	42.586	10.418	7.0411	1.1336	.02097	.12334	.45630	.40586	15.317
#1	.00020	.00173	.01143	1.3321	.16011	10.648	.00575	.00147	994.32	.00017
#2	.00037	.00321	.00986	1.4717	.16270	10.645	.00576	.00148	1000.0	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04607**	**.00081**	F **352.66**	**-.00368**	**.06464**	**4.3708**	**9.3536**	**-.00075**	**1.7524**	**-.00275**
Stddev	.00285	.00059	.05	.00072	.00326	.0023	.0049	.00004	.0037	.00077
%RSD	6.1954	72.739	.01471	19.685	5.0472	.05195	.05195	4.7318	.21019	27.900
#1	.04809	.00123	352.70	-.00317	.06695	4.3724	9.3570	-.00078	1.7498	-.00329
#2	.04405	.00040	352.63	-.00419	.06234	4.3692	9.3502	-.00073	1.7550	-.00221
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00039**	**.03792**	**.00203**	**.01532**	**-.00036**
Stddev	.00014	.00006	.00816	.00015	.00004	.00192
%RSD	63.141	14.064	21.530	7.5551	.25593	537.26
#1	.00012	.00043	.03215	.00214	.01529	-.00172
#2	.00032	.00035	.04370	.00192	.01535	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7581.6**	**93437.**	**8522.0**
Stddev	12.8	894.	6.4
%RSD	.16918	.95649	.07474
#1	7590.7	92805.	8526.5
#2	7572.5	94069.	8517.5

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:59:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00340**	**50.673**	**.00362**	**.01195**	**.00024**	**.00006**	**1.0140**	**.02354**	**.00005**	**-.00060**	**-.00021**	**.00777**
Stddev	.00023	.185	.00274	.00085	.00030	.00003	.0008	.00419	.00035	.00001	.00023	.00036
%RSD	6.6909	.36582	75.683	7.1440	121.83	55.668	.07756	17.821	659.42	1.5181	108.03	4.6315
#1	.00356	50.542	.00556	.01256	.00003	.00004	1.0146	.02650	.00030	-.00060	-.00005	.00802
#2	.00324	50.804	.00168	.01135	.00045	.00008	1.0135	.02057	-.00019	-.00061	-.00038	.00751
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.292**	**.31674**	**.00155**	**.08046**	**.00031**	**-.00025**	**257.73**	**-.00019**	**.00004**	**.00235**	W **5.2592**	**.00128**
Stddev	.302	.02472	.00272	.00298	.00004	.00004	.27	.00004	.00000	.00058	.0881	.00020
%RSD	.61180	7.8058	174.74	3.7006	12.395	16.510	.10305	20.688	10.983	24.918	1.6741	15.590
#1	49.079	.33422	.00348	.07835	.00028	-.00028	257.54	-.00016	.00004	.00276	5.3215	.00142
#2	49.505	.29926	-.00037	.08257	.00034	-.00022	257.92	-.00022	.00004	.00193	5.1970	.00114
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00304**	**.02119**	**.04534**	**-.00012**	**.00102**	**4.8672**	**-.00531**	**.00062**	**10.133**	**.00035**	**.00273**	**.02082**
Stddev	.00307	.01794	.03838	.00190	.00014	.0385	.00032	.00148	.080	.00072	.00038	.00173
%RSD	101.00	84.660	84.660	1583.0	14.119	.79122	5.9622	240.25	.78697	209.43	13.861	8.2881
#1	-.00087	.03387	.07248	.00123	.00112	4.8400	-.00554	-.00043	10.077	.00086	.00246	.02204
#2	-.00520	.00850	.01820	-.00147	.00092	4.8944	-.00509	.00166	10.189	-.00017	.00300	.01960
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7971.3**	**98736.**	**8279.6**
Stddev	6.3	743.	59.4
%RSD	.07882	.75230	.71734
#1	7966.9	99261.	8321.6
#2	7975.8	98211.	8237.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:01:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49796**	**.52736**	**.99683**	**.50989**	**.50490**	**.49703**	**.00232**	**5.0137**	**.50472**	**.50481**	**.49925**	**.50925**	**2.4359**
Stddev	.00004	.01716	.00040	.00153	.00308	.00056	.00074	.0020	.00129	.00112	.00008	.00007	.0319
%RSD	.00724	3.2543	.03983	.29976	.60987	.11330	31.769	.03926	.25475	.22201	.01620	.01461	1.3113
#1	.49793	.53950	.99655	.51097	.50273	.49663	.00284	5.0123	.50381	.50402	.49931	.50920	2.4134
#2	.49799	.51523	.99711	.50881	.50708	.49743	.00180	5.0151	.50563	.50561	.49919	.50930	2.4585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.483**	**1.0106**	**19.728**	**.50017**	**.50707**	F **6.0631**	**.50559**	**1.0018**	**1.0316**	**.34779**	**1.0202**	**1.0057**	**4.9205**
Stddev	.054	.0039	.004	.00037	.00052	.0526	.00008	.0025	.0018	.30409	.0020	.0006	.0483
%RSD	.10509	.38799	.02212	.07332	.10163	.86743	.01566	.24519	.17410	87.437	.19986	.05934	.98054
#1	51.445	1.0078	19.725	.50043	.50744	6.1003	.50554	1.0035	1.0329	.56281	1.0216	1.0053	4.8864
#2	51.521	1.0134	19.731	.49991	.50671	6.0259	.50565	1.0000	1.0303	.13276	1.0187	1.0062	4.9546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.530**	**1.0072**	**.50162**	**-.00232**	**.50344**	**1.0288**	**.01037**	**.50485**	**.50163**	**.50214**
Stddev	.103	.0008	.00212	.00006	.00080	.0007	.02941	.00109	.00043	.00558
%RSD	.98054	.08179	.42312	2.6057	.15980	.06986	283.66	.21571	.08576	1.1113
#1	10.457	1.0078	.50012	-.00236	.50400	1.0283	-.01043	.50408	.50194	.49819
#2	10.603	1.0066	.50312	-.00228	.50287	1.0293	.03116	.50562	.50133	.50608
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.8**	**103640.**	**8397.6**
Stddev	2.1	655.	85.1
%RSD	.02520	.63230	1.0129
#1	8165.2	104100.	8457.7
#2	8162.3	103170.	8337.4

Sample Name: CCB Acquired: 11/8/2013 22:03:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00356**	**.00411**	W **.00559**	**.00031**	**.00027**	**.00193**	**.00527**	**.00019**	**-.00008**	**.00009**	**.00028**
Stddev	.00034	.00005	.00181	.00012	.00012	.00010	.00270	.00043	.00012	.00031	.00005	.00019
%RSD	185.92	1.3297	43.923	2.1486	38.189	38.198	140.14	8.1811	64.658	379.21	51.968	65.695
#1	.00006	.00352	.00284	.00568	.00040	.00034	.00384	.00557	.00028	-.00030	.00006	.00015
#2	-.00043	.00359	.00539	.00551	.00023	.00019	.00002	.00496	.00010	.00014	.00012	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**.15488**	**.00028**	**.00278**	**.00006**	**.00054**	F **.54769**	**-.00029**	**.00228**	**.00091**	**.08677**	F **.00786**
Stddev	.00169	.01571	.00159	.00114	.00004	.00008	.01868	.00015	.00001	.00050	.00361	.00121
%RSD	38.793	10.141	566.31	41.010	70.172	14.665	3.4108	53.945	.25753	54.384	4.1613	15.364
#1	.00555	.14378	.00140	.00359	.00003	.00049	.56090	-.00039	.00228	.00126	.08932	.00871
#2	.00316	.16599	-.00084	.00197	.00009	.00060	.53449	-.00018	.00228	.00056	.08421	.00700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**.01049**	**.02244**	**-.00054**	W **.00035**	**.00194**	**.00006**	**.00061**	**-.01097**	**-.00068**	**.00336**	**-.00115**
Stddev	.00118	.00385	.00823	.00041	.00010	.00168	.00025	.00128	.00713	.00003	.00009	.00106
%RSD	69.763	36.672	36.672	75.401	28.501	86.689	395.35	209.59	65.002	4.8843	2.5533	91.901
#1	-.00086	.00777	.01662	-.00083	.00042	.00075	-.00011	.00152	-.00593	-.00070	.00342	-.00191
#2	-.00253	.01321	.02826	-.00025	.00028	.00312	.00024	-.00030	-.01601	-.00066	.00330	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8184.7**	**104420.**	**8253.6**
Stddev	23.5	439.	124.6
%RSD	.28661	.42038	1.5100
#1	8201.3	104730.	8341.7
#2	8168.1	104110.	8165.5

Sample Name: CCVL-2367586 Acquired: 11/8/2013 22:05:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.10878**	**.01735**	**.10249**	**.01013**	**.00114**	**.12672**	**.21287**	**.00539**	**.01070**	**.01068**	**.01564**	**.10166**
Stddev	.00057	.00029	.00118	.00094	.00016	.00001	.00248	.00284	.00012	.00017	.00012	.00023	.00229
%RSD	5.6464	.26452	6.8207	.91747	1.5745	.86918	1.9544	1.3346	2.2416	1.5880	1.1159	1.4575	2.2572
#1	.00973	.10899	.01651	.10315	.01001	.00115	.12847	.21086	.00548	.01082	.01077	.01548	.10003
#2	.01054	.10858	.01818	.10182	.01024	.00113	.12497	.21487	.00531	.01058	.01060	.01580	.10328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2123**	**.01021**	**.20944**	**.01036**	**.02059**	F **1.4806**	**.04207**	**2.9100**	**.01132**	**.07120**	**.01183**	**.01701**	**.50389**
Stddev	.0385	.00137	.00217	.00006	.00028	.0056	.00024	.0019	.00230	.00040	.00022	.00141	.01520
%RSD	1.1980	13.412	1.0370	.58359	1.3685	.38057	.57992	.06472	20.334	.55639	1.8269	8.3171	3.0174
#1	3.1851	.01118	.21097	.01040	.02079	1.4846	.04189	2.9113	.00969	.07148	.01198	.01801	.49314
#2	3.2395	.00924	.20790	.01032	.02039	1.4766	.04224	2.9086	.01295	.07092	.01168	.01601	.51464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0783**	**.10354**	**.01037**	**.01492**	**.01005**	**.01574**	**.07461**	**.00994**	**.02497**	**.01619**
Stddev	.0325	.00099	.00000	.00097	.00014	.00074	.00940	.00017	.00018	.00182
%RSD	3.0174	.95947	.04780	6.5206	1.3447	4.7104	12.599	1.6759	.72790	11.224
#1	1.0553	.10283	.01037	.01561	.00996	.01522	.06797	.00982	.02484	.01748
#2	1.1013	.10424	.01037	.01424	.01015	.01626	.08126	.01006	.02510	.01491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.2**	**104560.**	**8310.7**
Stddev	7.1	477.	10.1
%RSD	.08671	.45589	.12178
#1	8194.2	104220.	8303.5
#2	8204.2	104900.	8317.9

Sample Name: mb 280-199735/1-a Acquired: 11/8/2013 22:08:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00035**	**.00496**	**.00076**	W **.00488**	**-.00006**	**.00018**	**.00141**	**.01225**	**.00037**	**-.00015**
Stddev	.00047	.00006	.00240	.00054	.00025	.00004	.00045	.00013	.00002	.00016
%RSD	136.82	1.1182	315.59	11.051	392.12	24.550	32.081	1.0648	5.9719	105.95
#1	-.00001	.00499	.00246	.00450	.00011	.00021	.00109	.01234	.00035	-.00004
#2	-.00068	.00492	-.00094	.00526	-.00024	.00015	.00172	.01216	.00039	-.00027
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00033**	**.01202**	**.09319**	**-.00009**	**.00018**	**.00019**	**-.00003**	W **.36507**	**-.00028**
Stddev	.00003	.00022	.00101	.03086	.00323	.00028	.00004	.00004	.01348	.00016
%RSD	9.8194	66.122	8.3930	33.119	3686.7	152.19	18.660	143.80	3.6932	54.724
#1	.00029	.00048	.01130	.11501	-.00237	-.00001	.00022	.00000	.35553	-.00017
#2	.00025	.00018	.01273	.07136	.00219	.00038	.00017	-.00006	.37460	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00112**	F **.05975**	**-.00012**	**.00459**	F **.02095**	**.04484**	**.00016**	**.00016**	**-.00003**
Stddev	.00175	.00047	.00392	.00197	.00109	.00320	.00685	.00038	.00006	.00021
%RSD	116.81	41.806	6.5549	1607.5	23.798	15.275	15.275	238.97	34.318	618.25
#1	.00274	.00145	.05698	-.00151	.00382	.02322	.04968	.00043	.00012	.00011
#2	.00026	.00079	.06252	.00127	.00536	.01869	.04000	-.00011	.00020	-.00018
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00018**	**-.00439**	**-.00019**	W **.00372**	**.00247**
Stddev	.00053	.00020	.00694	.00021	.00016	.00019
%RSD	176.47	109.55	158.18	109.79	4.2382	7.6446
#1	.00067	.00032	.00052	-.00004	.00383	.00260
#2	-.00007	.00004	-.00929	-.00033	.00361	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8305.1**	**106090.**	**8439.2**
Stddev	38.2	392.	53.8
%RSD	.46019	.36992	.63739
#1	8278.1	105810.	8401.2
#2	8332.1	106370.	8477.3

Sample Name: lcs 280-199735/2-a Acquired: 11/8/2013 22:10:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04761**	**1.9413**	**.99760**	**1.0016**	**2.0490**	**.05012**	**2.2736**	**49.631**	**.10418**	**.49645**
Stddev	.00017	.0042	.00116	.0027	.0094	.00036	.0038	.348	.00034	.00175
%RSD	.36570	.21548	.11626	.27305	.45892	.71003	.16706	.70055	.33064	.35280
#1	.04749	1.9443	.99842	1.0035	2.0424	.04986	2.2763	49.385	.10442	.49769
#2	.04774	1.9384	.99678	.99968	2.0557	.05037	2.2709	49.877	.10394	.49521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20319**	**.25914**	**.98398**	**52.324**	**1.0172**	**49.404**	**.50098**	**1.0274**	**54.215**	**.49744**
Stddev	.00042	.00034	.00068	.380	.0082	.096	.00118	.0024	.674	.00127
%RSD	.20765	.13313	.06882	.72647	.80758	.19474	.23551	.23774	1.2425	.25527
#1	.20349	.25889	.98446	52.055	1.0114	49.472	.50181	1.0291	53.739	.49834
#2	.20289	.25938	.98350	52.593	1.0230	49.336	.50014	1.0256	54.692	.49654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.077**	**.49583**	**.03908**	**.50306**	**1.9714**	**10.081**	**21.574**	**2.0257**	**1.0153**	**1.0204**
Stddev	.024	.00117	.00180	.00074	.0039	.118	.253	.0002	.0046	.0068
%RSD	.24231	.23600	4.6022	.14643	.19776	1.1743	1.1743	.01123	.44894	.66925
#1	10.094	.49666	.04035	.50254	1.9742	9.9975	21.395	2.0258	1.0121	1.0252
#2	10.060	.49500	.03781	.50358	1.9687	10.165	21.753	2.0255	1.0185	1.0156
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**1.9697**	**2.1813**	**.51554**	**.49798**	**.51851**
Stddev	.0002	.0066	.0326	.00172	.00038	.00578
%RSD	.02073	.33627	1.4936	.33358	.07730	1.1157
#1	1.0309	1.9744	2.2043	.51676	.49771	.51442
#2	1.0306	1.9650	2.1582	.51432	.49825	.52260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7914.3**	**99457.**	**8322.5**
Stddev	6.3	371.	100.2
%RSD	.07986	.37280	1.2039
#1	7909.8	99195.	8393.4
#2	7918.7	99719.	8251.7

Sample Name: 280-48896-a-1-a Acquired: 11/8/2013 22:12:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.05495**	**-.00109**	**.03585**	**.23107**	**.00012**	**.00032**	**24.686**	**.00047**	**.00087**
Stddev	.00026	.00008	.00216	.00003	.00037	.00001	.00305	.086	.00013	.00007
%RSD	453.68	.14349	197.84	.08458	.16117	5.4401	965.70	.34739	27.413	7.7048
#1	-.00025	.05500	.00043	.03583	.23133	.00012	-.00184	24.747	.00038	.00092
#2	.00013	.05489	-.00261	.03587	.23080	.00013	.00248	24.626	.00056	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.90466**	**.43959**	**15.030**	**.00745**	**5.5010**	**.17315**	**.00129**	**126.02**	**.04556**
Stddev	.00011	.00548	.00148	.005	.00197	.0252	.00128	.00047	.23	.00017
%RSD	7.2326	.60605	.33691	.03560	26.501	.45768	.73779	36.141	.18588	.37941
#1	.00147	.90078	.43854	15.026	.00606	5.4832	.17225	.00096	126.19	.04544
#2	.00163	.90854	.44064	15.034	.00885	5.5188	.17405	.00162	125.86	.04568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58266**	**.00883**	**80.585**	**.03348**	**.00259**	**.31411**	**.67220**	**.11655**	**.20397**	**-.00087**
Stddev	.00465	.00072	.085	.00059	.00020	.00885	.01894	.00014	.00052	.00210
%RSD	.79723	8.1667	.10522	1.7638	7.8082	2.8171	2.8171	.11772	.25425	240.88
#1	.57938	.00934	80.525	.03306	.00244	.30786	.65881	.11645	.20434	.00061
#2	.58595	.00832	80.645	.03389	.00273	.32037	.68559	.11665	.20361	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.00018**	**.01624**	**-.00041**	**.11189**	**.00082**
Stddev	.00002	.00164	.00167	.00012	.00054	.00120
%RSD	1.5781	907.79	10.257	30.153	.48691	145.46
#1	.00113	-.00134	.01506	-.00032	.11151	.00167
#2	.00110	.00098	.01741	-.00050	.11228	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7995.2**	**101450.**	**8484.7**
Stddev	6.9	371.	86.3
%RSD	.08574	.36584	1.0168
#1	7990.3	101710.	8423.7
#2	8000.0	101190.	8545.7

Sample Name: 280-48896-a-1-aSD@5 Acquired: 11/8/2013 22:14:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.02788**	**-.00136**	**.01023**	**.04671**	**.00004**	**.00105**	**4.9618**	**.00035**	**.00012**
Stddev	.00019	.00011	.00213	.00030	.00054	.00003	.00092	.0072	.00010	.00018
%RSD	151.04	.38229	157.18	2.8906	1.1457	61.135	88.203	.14568	29.456	152.60
#1	.00001	.02796	-.00286	.01044	.04633	.00006	.00039	4.9567	.00028	.00024
#2	-.00026	.02781	.00015	.01002	.04709	.00002	.00170	4.9669	.00042	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.18117**	**.10637**	**3.0084**	**.00419**	**1.1326**	**.03516**	**.00025**	**25.255**	**.00901**
Stddev	.00021	.00104	.00095	.0094	.00044	.0003	.00004	.00011	.130	.00011
%RSD	43.678	.57153	.89349	.31355	10.591	.02484	.12343	43.618	.51542	1.2713
#1	.00064	.18043	.10704	3.0017	.00450	1.1328	.03513	.00017	25.347	.00909
#2	.00034	.18190	.10570	3.0151	.00388	1.1324	.03519	.00033	25.163	.00893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11324**	**.00276**	**15.692**	**.00641**	**.00124**	**.05992**	**.12823**	**.02570**	**.04124**	**-.00040**
Stddev	.00041	.00053	.016	.00158	.00530	.00226	.00483	.00013	.00017	.00031
%RSD	.36484	19.324	.10205	24.688	428.78	3.7681	3.7681	.52043	.42184	78.492
#1	.11353	.00239	15.681	.00529	-.00251	.05832	.12481	.02580	.04136	-.00018
#2	.11295	.00314	15.703	.00753	.00498	.06152	.13165	.02561	.04112	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00023**	**-.02792**	**-.00046**	**.02930**	**.00048**
Stddev	.00034	.00012	.01503	.00036	.00007	.00020
%RSD	77.063	54.001	53.847	79.708	.23745	40.620
#1	.00020	-.00032	-.03855	-.00020	.02925	.00062
#2	.00069	-.00014	-.01729	-.00071	.02935	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8203.8**	**103800.**	**8466.9**
Stddev	.2	596.	131.9
%RSD	.00184	.57391	1.5577
#1	8203.9	103380.	8373.7
#2	8203.7	104220.	8560.2

Sample Name: 280-48896-a-1-b ms Acquired: 11/8/2013 22:17:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04897**	**1.9549**	**1.0234**	**1.0288**	**2.2804**	**.05006**	F **2.2885**	**73.990**	**.10562**	**.49944**
Stddev	.00004	.0127	.0074	.0084	.0097	.00044	.0089	.355	.00056	.00155
%RSD	.08725	.64924	.72560	.81454	.42478	.86941	.38812	.47982	.53259	.31027
#1	.04894	1.9459	1.0182	1.0228	2.2873	.05037	2.2822	74.241	.10522	.49834
#2	.04900	1.9639	1.0287	1.0347	2.2736	.04976	2.2947	73.739	.10601	.50053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20485**	**1.1639**	**1.3837**	**67.292**	**1.0263**	**54.285**	**.67361**	**1.0323**	**179.08**	**.54136**
Stddev	.00085	.0080	.0067	.501	.0084	.217	.00398	.0047	.33	.00252
%RSD	.41440	.68679	.48741	.74390	.81653	.39882	.59153	.45824	.18472	.46596
#1	.20425	1.1582	1.3885	67.646	1.0322	54.132	.67079	1.0290	179.31	.53958
#2	.20545	1.1695	1.3790	66.939	1.0204	54.438	.67643	1.0357	178.84	.54314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.974**	**.49953**	**82.385**	**.53917**	**2.0073**	**10.350**	**22.150**	W **2.1192**	**1.2184**	**1.0160**
Stddev	.068	.00353	.347	.00210	.0058	.025	.054	.0140	.0047	.0100
%RSD	.61825	.70674	.42100	.38991	.28974	.24519	.24519	.66181	.38527	.98749
#1	10.926	.49703	82.140	.54065	2.0032	10.332	22.111	2.1093	1.2217	1.0090
#2	11.022	.50203	82.630	.53768	2.0114	10.368	22.188	2.1291	1.2151	1.0231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0255**	**1.8953**	**2.1566**	**.51875**	**.60258**	**.51570**
Stddev	.0050	.0037	.0061	.00077	.00117	.00172
%RSD	.48537	.19630	.28259	.14839	.19463	.33289
#1	1.0220	1.8926	2.1609	.51821	.60175	.51448
#2	1.0290	1.8979	2.1523	.51930	.60341	.51691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7832.1**	**99180.**	**8507.7**
Stddev	59.9	170.	131.9
%RSD	.76444	.17179	1.5501
#1	7874.4	99301.	8414.4
#2	7789.7	99060.	8600.9

Sample Name: 280-48896-a-1-c msd Acquired: 11/8/2013 22:19:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04915**	**1.9553**	**1.0301**	**1.0320**	**2.3094**	**.05086**	F **2.2925**	**74.913**	**.10577**	**.49925**
Stddev	.00063	.0006	.0019	.0010	.0118	.00017	.0073	.313	.00014	.00103
%RSD	1.2726	.02885	.18597	.09275	.51295	.32563	.31950	.41848	.13209	.20573
#1	.04959	1.9557	1.0315	1.0327	2.3177	.05097	2.2977	75.135	.10587	.49853
#2	.04870	1.9549	1.0288	1.0314	2.3010	.05074	2.2873	74.691	.10568	.49998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20565**	**1.1668**	**1.4070**	**68.120**	**1.0380**	**54.559**	**.67440**	**1.0371**	**180.17**	**.54262**
Stddev	.00008	.0065	.0003	.250	.0063	.520	.00390	.0007	.37	.00094
%RSD	.04050	.55975	.02244	.36730	.60232	.95356	.57791	.06831	.20627	.17326
#1	.20570	1.1622	1.4068	68.297	1.0424	54.191	.67164	1.0376	180.43	.54328
#2	.20559	1.1714	1.4072	67.944	1.0335	54.927	.67715	1.0366	179.90	.54195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.970**	**.49938**	**81.921**	**.54287**	**2.0077**	**10.484**	**22.435**	W **2.1206**	**1.2352**	**1.0214**
Stddev	.003	.00275	.005	.00071	.0027	.005	.011	.0006	.0055	.0076
%RSD	.03134	.55124	.00620	.13136	.13544	.04701	.04701	.03001	.44871	.74825
#1	10.972	.50133	81.917	.54236	2.0058	10.487	22.443	2.1211	1.2391	1.0160
#2	10.967	.49743	81.924	.54337	2.0096	10.480	22.428	2.1202	1.2313	1.0268
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0296**	**1.8949**	**2.1587**	**.51921**	**.60354**	**.51928**
Stddev	.0058	.0008	.0026	.00132	.00274	.00019
%RSD	.56246	.04109	.12167	.25362	.45456	.03668
#1	1.0255	1.8943	2.1569	.51828	.60160	.51915
#2	1.0337	1.8954	2.1606	.52014	.60548	.51942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7869.1**	**99396.**	**8452.4**
Stddev	5.1	1122.	24.1
%RSD	.06487	1.1286	.28521
#1	7865.5	100190.	8435.3
#2	7872.7	98602.	8469.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 22:21:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**50.630**	**.00346**	**.00967**	**.00085**	**.00009**	**1.0222**	**.03397**	**-.00005**	**-.00069**	**.00019**	**.00829**	**49.436**
Stddev	.00023	.197	.00210	.00072	.00048	.00001	.0087	.00463	.00015	.00022	.00012	.00017	.290
%RSD	6.0444	.38983	60.717	7.4034	56.074	7.9826	.85253	13.635	308.77	31.584	61.700	2.0807	.58722
#1	.00405	50.769	.00198	.01018	.00119	.00009	1.0284	.03724	.00006	-.00053	.00027	.00817	49.231
#2	.00372	50.490	.00495	.00916	.00051	.00010	1.0160	.03069	-.00016	-.00084	.00011	.00841	49.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22736**	**.00261**	**.08795**	**.00055**	**.00015**	**258.79**	**-.00028**	**.00276**	**.00202**	**5.0731**	**.00136**	**-.00081**	**.01166**
Stddev	.02808	.00050	.00082	.00007	.00003	.45	.00028	.00320	.00008	.0118	.00203	.00108	.00164
%RSD	12.350	19.016	.93157	12.110	20.139	.17221	97.863	116.01	3.9607	.23247	149.37	132.05	14.025
#1	.24722	.00226	.08737	.00060	.00017	259.11	-.00009	.00503	.00208	5.0815	.00279	-.00005	.01282
#2	.20751	.00296	.08853	.00050	.00012	258.48	-.00048	.00050	.00197	5.0648	-.00008	-.00158	.01050
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02495**	**-.00030**	**.00086**	**4.8261**	**-.00542**	**.00203**	**10.071**	**.00058**	**.00206**	**.02071**
Stddev	.00350	.00054	.00009	.0039	.00006	.00139	.013	.00003	.00063	.00047
%RSD	14.025	176.87	10.565	.08100	1.1950	68.323	.12882	4.4332	30.605	2.2698
#1	.02743	.00008	.00093	4.8234	-.00537	.00301	10.062	.00057	.00250	.02104
#2	.02248	-.00069	.00080	4.8289	-.00546	.00105	10.080	.00060	.00161	.02038
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.4**	**100890.**	**8390.1**
Stddev	7.3	327.	12.3
%RSD	.09040	.32437	.14606
#1	8072.3	100660.	8381.4
#2	8082.6	101120.	8398.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:23:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49477**	**.51408**	**1.0009**	**.50838**	**.50384**	**.49747**	**.00236**	**5.0124**	**.50492**	**.50691**	**.50275**	**.50750**	**2.4165**
Stddev	.00122	.00036	.0072	.00215	.00126	.00111	.00087	.0150	.00103	.00094	.00052	.00159	.0053
%RSD	.24606	.07065	.72036	.42333	.25077	.22287	36.927	.29941	.20387	.18627	.10273	.31268	.21949
#1	.49390	.51433	.99584	.50686	.50294	.49668	.00175	5.0018	.50419	.50625	.50239	.50638	2.4128
#2	.49563	.51382	1.0060	.50991	.50473	.49825	.00298	5.0230	.50565	.50758	.50312	.50862	2.4203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.476**	**1.0099**	**19.678**	**.49821**	**.51163**	F **5.5666**	**.50733**	**1.0094**	**1.0385**	**.03389**	**1.0227**	**1.0044**	**4.8962**
Stddev	.143	.0007	.012	.00003	.00192	.0196	.00151	.0012	.0006	.00082	.0055	.0105	.0739
%RSD	.27837	.07004	.06203	.00660	.37606	.35247	.29798	.11992	.05917	2.4261	.53797	1.0498	1.5095
#1	51.375	1.0094	19.669	.49818	.51027	5.5805	.50626	1.0085	1.0380	.03447	1.0189	.99699	4.8440
#2	51.577	1.0104	19.687	.49823	.51299	5.5528	.50840	1.0102	1.0389	.03331	1.0266	1.0119	4.9485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.478**	**1.0171**	**.50063**	**-.00075**	**.50226**	**1.0325**	**-.01809**	**.50502**	**.50159**	**.49760**
Stddev	.158	.0049	.00132	.00004	.00055	.0007	.01478	.00039	.00143	.00536
%RSD	1.5095	.48104	.26376	4.8653	.10942	.07069	81.686	.07649	.28486	1.0772
#1	10.366	1.0137	.49970	-.00073	.50187	1.0320	-.02854	.50529	.50260	.49381
#2	10.590	1.0206	.50156	-.00078	.50265	1.0331	-.00764	.50474	.50058	.50139
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8205.4**	**104190.**	**8432.4**
Stddev	15.1	86.	6.2
%RSD	.18353	.08265	.07363
#1	8216.1	104260.	8428.0
#2	8194.8	104130.	8436.7

Sample Name: CCB Acquired: 11/8/2013 22:25:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00458**	**.00102**	**.00409**	**.00013**	**.00033**	**.00155**	**.00595**	**.00040**	**-.00018**	**.00006**	**.00002**
Stddev	.00005	.00043	.00097	.00039	.00060	.00005	.00176	.00333	.00010	.00042	.00015	.00012
%RSD	11.642	9.3128	95.248	9.5530	469.38	15.730	114.09	56.009	25.614	230.67	247.14	512.59
#1	-.00047	.00488	.00170	.00381	.00055	.00037	.00030	.00359	.00047	.00012	-.00005	-.00006
#2	-.00040	.00428	.00033	.00437	-.00029	.00029	.00279	.00830	.00033	-.00048	.00017	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.11728**	**-.00010**	**.00611**	**.00008**	**.00057**	F **.19582**	**.00018**	**.00122**	**.00084**	**.03892**	F **.00828**
Stddev	.00336	.01925	.00052	.00140	.00005	.00028	.00005	.00041	.00050	.00024	.00167	.00013
%RSD	107.47	16.410	527.28	22.926	57.449	48.596	.02611	223.71	40.775	28.935	4.2865	1.5116
#1	.00551	.10367	.00027	.00710	.00011	.00077	.19578	.00048	.00087	.00101	.04010	.00819
#2	.00075	.13089	-.00046	.00512	.00005	.00038	.19585	-.00011	.00157	.00067	.03774	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00507**	**.02124**	**.04545**	**-.00009**	**.00028**	**.00060**	**.00036**	**.00026**	**.04234**	**-.00009**	**.00340**	**.00127**
Stddev	.00124	.00237	.00506	.00010	.00006	.00091	.00019	.00083	.03211	.00014	.00031	.00163
%RSD	24.526	11.137	11.137	114.41	22.907	151.22	53.074	317.12	75.838	145.69	9.2588	127.78
#1	.00419	.01957	.04187	-.00015	.00032	.00124	.00049	.00085	.06504	.00000	.00362	.00242
#2	.00595	.02291	.04903	-.00002	.00023	-.00004	.00022	-.00033	.01963	-.00019	.00318	.00012
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8209.9**	**105530.**	**8334.3**
Stddev	43.8	178.	6.9
%RSD	.53380	.16869	.08273
#1	8240.9	105400.	8339.2
#2	8178.9	105650.	8329.5

Sample Name: CCVL2367586 Acquired: 11/8/2013 22:28:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.10878**	**.01679**	**.10166**	**.01046**	**.00116**	**.12394**	**.21283**	**.00574**	**.01072**	**.01074**	**.01573**	**.10286**
Stddev	.00014	.00017	.00043	.00013	.00005	.00000	.00088	.00041	.00004	.00007	.00025	.00099	.00202
%RSD	1.3574	.15906	2.5832	.13144	.51608	.05198	.71134	.19275	.77872	.69221	2.2866	6.2980	1.9629
#1	.01000	.10865	.01649	.10156	.01049	.00116	.12331	.21312	.00577	.01078	.01057	.01503	.10429
#2	.01019	.10890	.01710	.10175	.01042	.00116	.12456	.21254	.00571	.01067	.01091	.01643	.10143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1498**	**.01216**	**.21011**	**.01042**	**.02068**	**1.2475**	**.04260**	**2.9400**	**.01103**	**.02959**	F **.01320**	**.01723**	**.52570**
Stddev	.0228	.00184	.00084	.00006	.00021	.0157	.00007	.0044	.00006	.00231	.00050	.00054	.00710
%RSD	.72377	15.151	.39753	.57250	1.0144	1.2570	.17369	.14914	.58127	7.8111	3.8060	3.1584	1.3514
#1	3.1659	.01347	.21070	.01046	.02053	1.2364	.04255	2.9431	.01098	.02796	.01285	.01685	.52068
#2	3.1337	.01086	.20952	.01037	.02083	1.2586	.04265	2.9369	.01107	.03123	.01356	.01762	.53072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1250**	**.10504**	**.01043**	**.01432**	**.00973**	**.01581**	**.06225**	**.00971**	**.02569**	**.01725**
Stddev	.0152	.00009	.00014	.00036	.00039	.00088	.05180	.00008	.00020	.00240
%RSD	1.3514	.08808	1.3348	2.5045	4.0444	5.5428	83.220	.84048	.77679	13.900
#1	1.1142	.10498	.01053	.01457	.00945	.01519	.02562	.00977	.02583	.01556
#2	1.1357	.10511	.01033	.01406	.01001	.01643	.09887	.00966	.02555	.01895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.0**	**105470.**	**8343.1**
Stddev	6.7	767.	40.9
%RSD	.08161	.72751	.48980
#1	8204.7	104930.	8314.3
#2	8195.3	106010.	8372.0

Sample Name: 280-48877-a-1-a Acquired: 11/8/2013 22:30:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.38626**	**.00084**	**.04571**	**.02515**	**.00006**	**-.00049**	**26.090**	**.00070**	**.00135**
Stddev	.00090	.00048	.00179	.00026	.00037	.00003	.00288	.025	.00016	.00007
%RSD	191.74	.12403	212.75	.57675	1.4837	53.629	589.29	.09670	23.427	4.9141
#1	-.00111	.38592	.00210	.04553	.02541	.00004	-.00252	26.108	.00081	.00140
#2	.00017	.38660	-.00042	.04590	.02489	.00009	.00155	26.072	.00058	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00935**	**.11892**	**.84427**	**12.914**	**.01464**	**2.5797**	**.02401**	**.00390**	**25.749**	**.00508**
Stddev	.00018	.00042	.00726	.031	.00177	.0033	.00005	.00009	.152	.00050
%RSD	1.8902	.35184	.85971	.24044	12.059	.12773	.21159	2.3893	.58862	9.8191
#1	.00948	.11862	.83914	12.936	.01589	2.5820	.02405	.00397	25.856	.00543
#2	.00923	.11921	.84941	12.892	.01339	2.5773	.02398	.00383	25.642	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8106**	**.00623**	**9.1177**	**.00150**	**.00582**	**3.9689**	**8.4934**	**.01258**	**.07737**	**-.00074**
Stddev	.0084	.00065	.0192	.00114	.00032	.0053	.0114	.00093	.00024	.00035
%RSD	.22174	10.379	.21030	75.656	5.4428	.13471	.13471	7.4083	.30418	47.459
#1	3.8165	.00578	9.1041	.00070	.00604	3.9651	8.4853	.01192	.07720	-.00049
#2	3.8046	.00669	9.1312	.00230	.00559	3.9727	8.5015	.01324	.07754	-.00099
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03169**	**-.00019**	**.02766**	**.00077**	**.11283**	**.00192**
Stddev	.00139	.00044	.02081	.00007	.00009	.00275
%RSD	4.3907	235.02	75.242	9.1287	.07943	143.29
#1	.03267	.00012	.04238	.00072	.11290	.00387
#2	.03070	-.00050	.01294	.00082	.11277	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.0**	**105170.**	**8610.1**
Stddev	19.0	714.	28.8
%RSD	.23237	.67909	.33412
#1	8175.5	105680.	8589.7
#2	8202.4	104670.	8630.4

Sample Name: 280-48877-a-2-a Acquired: 11/8/2013 22:32:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.15491**	**-.00030**	**.04373**	**.02373**	**.00005**	**.00077**	**31.353**	**.00047**	**.00115**
Stddev	.00026	.00036	.00226	.00049	.00018	.00000	.00228	.049	.00041	.00000
%RSD	46.021	.22977	745.58	1.1197	.73835	3.4767	295.91	.15781	86.214	.42704
#1	-.00076	.15466	.00130	.04407	.02385	.00005	.00239	31.318	.00018	.00115
#2	-.00039	.15516	-.00190	.04338	.02361	.00005	-.00084	31.388	.00076	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.16357**	**.36783**	**11.787**	**.00686**	**3.0130**	**.01676**	**.00203**	**109.84**	**.00254**
Stddev	.00010	.00045	.00374	.032	.00128	.0125	.00001	.00021	.16	.00001
%RSD	4.6627	.27228	1.0161	.27353	18.692	.41441	.04256	10.323	.14811	.39737
#1	.00230	.16325	.36519	11.764	.00595	3.0219	.01676	.00217	109.73	.00253
#2	.00216	.16388	.37047	11.809	.00776	3.0042	.01675	.00188	109.96	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2934**	**.00210**	**12.003**	**.00057**	**.00106**	**4.2246**	**9.0407**	**.00428**	**.09125**	**-.00066**
Stddev	.0088	.00013	.057	.00126	.00069	.0211	.0452	.00087	.00025	.00088
%RSD	.20558	5.9727	.47766	219.56	65.492	.50012	.50012	20.208	.27385	132.84
#1	4.2872	.00219	11.963	.00146	.00057	4.2097	9.0087	.00367	.09143	-.00129
#2	4.2997	.00201	12.044	-.00032	.00155	4.2396	9.0727	.00489	.09108	-.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00848**	**.00096**	**-.00766**	**.00047**	**.38138**	**.00130**
Stddev	.00027	.00047	.03073	.00062	.00259	.00155
%RSD	3.1666	49.097	401.35	132.60	.67794	119.26
#1	.00867	.00129	.01407	.00003	.37955	.00240
#2	.00829	.00062	-.02938	.00091	.38321	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8064.0**	**101960.**	**8511.0**
Stddev	30.3	37.	53.2
%RSD	.37521	.03606	.62476
#1	8042.6	101940.	8548.6
#2	8085.4	101990.	8473.4

Sample Name: 280-48881-a-1-a Acquired: 11/8/2013 22:34:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.20943**	**.00068**	**.10933**	**.01514**	**.00011**	**.00128**	**21.045**	**.00031**	**-.00018**
Stddev	.00060	.00032	.00184	.00102	.00026	.00006	.00043	.005	.00008	.00012
%RSD	79.548	.15307	272.70	.92922	1.6984	57.250	33.501	.02399	24.679	67.780
#1	.00118	.20920	-.00063	.11005	.01496	.00016	.00159	21.048	.00037	-.00027
#2	.00033	.20965	.00198	.10861	.01533	.00007	.00098	21.041	.00026	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02162**	**.06470**	**.17863**	**.79973**	**.00231**	**1.3769**	**.00239**	**.00058**	**5.6853**	**.00296**
Stddev	.00014	.00020	.00294	.02196	.00080	.0010	.00002	.00018	.0006	.00025
%RSD	.63958	.31462	1.6469	2.7463	34.473	.07610	.68846	30.347	.00968	8.4270
#1	.02152	.06484	.17655	.78420	.00288	1.3776	.00237	.00045	5.6850	.00278
#2	.02172	.06455	.18071	.81526	.00175	1.3761	.00240	.00070	5.6857	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03859**	**.00171**	**4.6285**	**-.00045**	**.00232**	**2.7928**	**5.9765**	**.00404**	**.05612**	**.00095**
Stddev	.00040	.00008	.0051	.00076	.00177	.0101	.0216	.00004	.00018	.00191
%RSD	1.0383	4.9242	.11078	167.69	76.411	.36086	.36086	.99346	.32635	200.20
#1	.03830	.00165	4.6249	.00008	.00107	2.7856	5.9613	.00407	.05599	-.00040
#2	.03887	.00177	4.6321	-.00099	.00357	2.7999	5.9918	.00401	.05625	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00015**	**.02126**	**.00023**	**.01188**	**.00213**
Stddev	.00033	.00060	.01217	.00024	.00016	.00250
%RSD	13.525	391.85	57.258	101.21	1.3783	117.09
#1	.00223	.00058	.02987	.00040	.01177	.00037
#2	.00270	-.00027	.01265	.00007	.01200	.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.6**	**106280.**	**8510.6**
Stddev	14.5	513.	9.3
%RSD	.17500	.48285	.10945
#1	8280.3	105920.	8504.0
#2	8300.8	106650.	8517.2

Sample Name: 280-48881-a-2-a Acquired: 11/8/2013 22:37:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.18681**	**.00260**	**.07011**	**.01450**	**.00009**	**-.00064**	**20.332**	**.00010**	**-.00010**
Stddev	.00064	.00065	.00136	.00046	.00006	.00000	.00243	.054	.00007	.00008
%RSD	125.40	.34742	52.401	.65311	.42367	1.7317	381.59	.26695	71.721	82.091
#1	.00096	.18635	.00356	.06978	.01454	.00009	.00108	20.293	.00015	-.00016
#2	.00006	.18727	.00163	.07043	.01446	.00009	-.00236	20.370	.00005	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01209**	**.05113**	**.17871**	**.78703**	**.00272**	**1.3647**	**.00241**	**.00075**	**5.1294**	**.01230**
Stddev	.00008	.00044	.00155	.01267	.00073	.0032	.00003	.00023	.0189	.00000
%RSD	.67066	.86146	.86781	1.6104	26.861	.23432	1.0491	30.932	.36879	.02486
#1	.01203	.05145	.17762	.77807	.00323	1.3670	.00239	.00058	5.1160	.01230
#2	.01215	.05082	.17981	.79599	.00220	1.3625	.00243	.00091	5.1427	.01230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02797**	**.00064**	**4.8361**	**-.00037**	**.00333**	**2.7105**	**5.8004**	**.00278**	**.05413**	**.00050**
Stddev	.00212	.00089	.0158	.00011	.00026	.0190	.0406	.00055	.00048	.00295
%RSD	7.5718	138.88	.32674	30.823	7.8327	.69929	.69929	19.805	.89338	587.18
#1	.02647	.00001	4.8249	-.00045	.00315	2.6971	5.7717	.00239	.05378	.00259
#2	.02947	.00127	4.8473	-.00029	.00352	2.7239	5.8291	.00317	.05447	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00038**	**-.01235**	**.00041**	**.01067**	**.00082**
Stddev	.00016	.00070	.04621	.00046	.00047	.00247
%RSD	9.1246	182.91	374.18	111.04	4.3736	301.13
#1	.00184	.00088	-.04502	.00009	.01034	.00257
#2	.00161	-.00011	.02032	.00074	.01100	-.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8297.0**	**106270.**	**8587.2**
Stddev	3.3	579.	72.2
%RSD	.03989	.54467	.84083
#1	8294.7	106680.	8638.2
#2	8299.4	105860.	8536.1

Sample Name: 280-48898-a-1-a Acquired: 11/8/2013 22:39:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.08412**	**.00404**	**2.1694**	**.03194**	**.00011**	F **.20421**	**59.547**	**-.00011**	**.00362**
Stddev	.00025	.00025	.00165	.0025	.00010	.00006	.00184	.143	.00003	.00016
%RSD	32.651	.29228	40.771	.11515	.30393	53.407	.90067	.23935	25.440	4.4899
#1	-.00096	.08395	.00521	2.1711	.03187	.00007	.20291	59.446	-.00013	.00351
#2	-.00060	.08430	.00288	2.1676	.03201	.00015	.20551	59.647	-.00009	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32984**	**.13923**	**74.320**	F **701.82**	**.01079**	**4.7548**	**.34844**	**.01407**	W **1201.2**	**.14134**
Stddev	.00110	.00073	.447	.53	.00090	.0022	.00006	.00003	2.5	.00112
%RSD	.33488	.52215	.60171	.07538	8.3781	.04521	.01773	.21332	.21025	.79198
#1	.33062	.13872	74.004	701.44	.01015	4.7563	.34840	.01409	1199.4	.14213
#2	.32906	.13974	74.636	702.19	.01143	4.7533	.34848	.01405	1203.0	.14054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.009**	**.00285**	W **182.89**	**.00502**	**.00134**	**5.5473**	**11.871**	W **18.007**	**.17872**	**-.00035**
Stddev	.009	.00132	.02	.00085	.00644	.1849	.396	.015	.00072	.00221
%RSD	.07690	46.321	.01113	16.866	480.42	3.3335	3.3335	.08252	.40050	638.14
#1	12.015	.00191	182.88	.00562	.00589	5.4165	11.591	17.997	.17822	.00122
#2	12.002	.00378	182.91	.00442	-.00321	5.6781	12.151	18.018	.17923	-.00191
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02254**	**-.00172**	**-.00760**	**.00261**	**.15923**	**.00067**
Stddev	.00006	.00114	.02268	.00084	.00018	.00256
%RSD	.27166	66.074	298.31	32.401	.11405	380.45
#1	.02250	-.00092	-.02364	.00320	.15911	.00248
#2	.02258	-.00252	.00844	.00201	.15936	-.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7428.4**	**90984.**	**8328.6**
Stddev	9.8	313.	23.4
%RSD	.13243	.34352	.28127
#1	7421.5	90763.	8345.2
#2	7435.4	91205.	8312.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 22:42:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**51.640**	**.00359**	**.00999**	**.00001**	**.00007**	**1.0403**	**.00911**	**.00005**	**-.00070**	**-.00004**	**.00893**	**50.333**
Stddev	.00011	.124	.00094	.00072	.00032	.00009	.0045	.00151	.00004	.00015	.00001	.00077	.723
%RSD	2.6700	.23983	26.313	7.2223	3269.2	141.50	.43148	16.622	89.203	21.778	31.896	8.6081	1.4360
#1	.00409	51.728	.00292	.01050	-.00022	.00000	1.0435	.00804	.00007	-.00080	-.00003	.00948	50.844
#2	.00394	51.552	.00426	.00948	.00024	.00013	1.0372	.01018	.00002	-.00059	-.00005	.00839	49.822
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77651**	**.00399**	**.07891**	**.00037**	**-.00040**	**264.70**	**-.00021**	**.00570**	**.00122**	**5.1894**	**.00216**	**.00077**	**.02726**
Stddev	.05313	.00004	.00152	.00009	.00038	.16	.00011	.00037	.00072	.0014	.00049	.00039	.00068
%RSD	6.8421	.98329	1.9259	22.995	95.481	.06151	51.061	6.5409	59.448	.02648	22.638	50.938	2.4878
#1	.81408	.00402	.07998	.00043	-.00013	264.58	-.00028	.00596	.00173	5.1885	.00181	.00049	.02774
#2	.73895	.00396	.07783	.00031	-.00067	264.81	-.00013	.00544	.00071	5.1904	.00251	.00104	.02678
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05834**	**.00434**	**.00035**	**4.9167**	**-.00592**	**.00136**	**10.342**	**.00071**	**.00232**	**.02230**
Stddev	.00145	.00069	.00013	.0104	.00022	.00049	.023	.00062	.00040	.00556
%RSD	2.4878	15.846	37.412	.21187	3.6658	36.228	.22223	87.162	17.165	24.926
#1	.05937	.00385	.00026	4.9093	-.00577	.00101	10.326	.00027	.00260	.02623
#2	.05732	.00483	.00044	4.9240	-.00608	.00170	10.359	.00115	.00204	.01837
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.0**	**100030.**	**8281.0**
Stddev	48.6	72.	79.5
%RSD	.61337	.07207	.96038
#1	7955.3	100080.	8224.8
#2	7886.6	99977.	8337.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:44:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49974**	**.51287**	**1.0089**	**.51155**	**.50630**	**.50145**	**-.00005**	**5.0623**	**.50644**	**.50681**	**.50487**	**.50951**	**2.4617**
Stddev	.00176	.00023	.0013	.00176	.00167	.00223	.00237	.0119	.00059	.00057	.00025	.00217	.0096
%RSD	.35165	.04492	.13028	.34431	.32938	.44404	4568.1	.23466	.11554	.11178	.04926	.42585	.39058
#1	.50098	.51271	1.0099	.51030	.50512	.49988	.00163	5.0539	.50602	.50641	.50505	.51105	2.4549
#2	.49850	.51304	1.0080	.51279	.50748	.50302	-.00173	5.0707	.50685	.50721	.50469	.50798	2.4685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.274**	**1.0181**	**19.983**	**.50379**	**.51100**	F **5.7242**	**.51005**	**1.0077**	**1.0314**	**.03087**	**1.0161**	**1.0046**	**5.0101**
Stddev	.330	.0050	.025	.00008	.00220	.0245	.00019	.0016	.0024	.00027	.0098	.0156	.0838
%RSD	.63070	.49556	.12730	.01498	.43064	.42872	.03652	.15626	.23779	.88614	.96252	1.5539	1.6734
#1	52.041	1.0146	19.965	.50384	.51255	5.7416	.51019	1.0088	1.0296	.03067	1.0230	1.0156	4.9508
#2	52.508	1.0217	20.001	.50373	.50944	5.7069	.50992	1.0066	1.0331	.03106	1.0092	.99353	5.0694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0211**	**.50410**	**-.00291**	**.50517**	**1.0288**	**-.01102**	**.50877**	**.50986**	**.50811**
Stddev	.179	.0092	.00165	.00279	.00002	.0090	.02647	.00152	.00240	.00458
%RSD	1.6734	.90442	.32829	95.703	.00339	.87708	240.31	.29970	.47080	.90087
#1	10.595	1.0276	.50293	-.00488	.50518	1.0352	.00770	.50985	.50816	.50487
#2	10.848	1.0146	.50527	-.00094	.50516	1.0225	-.02973	.50770	.51155	.51135
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8143.8**	**102930.**	**8319.2**
Stddev	8.0	531.	70.1
%RSD	.09865	.51615	.84227
#1	8149.5	103310.	8368.8
#2	8138.2	102560.	8269.7

Sample Name: CCB Acquired: 11/8/2013 22:46:58 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00381**	**.00035**	**.00370**	**.00018**	**.00027**	**.00187**	**.00260**	**.00036**	**.00002**	**.00026**	**.00064**	**.01024**
Stddev	.00010	.00038	.00015	.00011	.00025	.00008	.00006	.00171	.00002	.00003	.00005	.00006	.00194
%RSD	96.576	10.035	41.678	2.9075	136.02	29.751	3.1189	66.046	6.4450	199.16	21.186	8.8712	18.911
#1	-.00003	.00354	.00025	.00378	.00036	.00033	.00191	.00138	.00034	.00004	.00022	.00060	.00887
#2	-.00017	.00408	.00046	.00362	.00001	.00022	.00182	.00381	.00037	-.00001	.00030	.00068	.01161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.27822**	**-.00073**	**.00521**	**.00008**	**.00076**	F **.33540**	**-.00012**	**.00132**	**.00100**	**.02538**	F **.00855**	**.00021**	**.01959**
Stddev	.02149	.00301	.00131	.00003	.00000	.02744	.00019	.00148	.00137	.00166	.00236	.00354	.00846
%RSD	7.7226	413.96	25.173	36.798	.39066	8.1804	163.80	112.74	137.72	6.5464	27.541	1713.3	43.176
#1	.29341	-.00285	.00614	.00010	.00077	.31600	.00002	.00027	.00197	.02421	.00689	-.00230	.02558
#2	.26303	.00140	.00429	.00006	.00076	.35480	-.00025	.00236	.00003	.02656	.01022	.00271	.01361
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.25000					.18320					.00628		
Low Limit	-.25000					-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04193**	**.00092**	**.00018**	**.00058**	**.00019**	**.00088**	**-.00241**	**.00006**	**.00400**	**.00118**
Stddev	.01810	.00011	.00005	.00094	.00006	.00080	.00003	.00004	.00056	.00044
%RSD	43.176	12.057	25.156	161.49	33.074	90.856	1.1711	59.008	14.082	37.820
#1	.05473	.00084	.00021	-.00008	.00015	.00032	-.00243	.00004	.00440	.00149
#2	.02913	.00100	.00015	.00124	.00024	.00145	-.00239	.00009	.00360	.00086
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8166.7**	**104760.**	**8192.8**
Stddev	21.8	561.	26.6
%RSD	.26681	.53524	.32454
#1	8182.1	105150.	8174.0
#2	8151.2	104360.	8211.6

Sample Name: CCVL2367586 Acquired: 11/8/2013 22:49:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01057**	**.10908**	**.01446**	**.10144**	**.01061**	**.00110**	**.12820**	**.21329**	**.00560**	**.01043**	**.01066**	**.01600**	**.10513**
Stddev	.00039	.00084	.00277	.00003	.00005	.00019	.00211	.00003	.00005	.00006	.00003	.00006	.00036
%RSD	3.7028	.77324	19.151	.03392	.45825	17.214	1.6478	.01564	.88032	.53436	.26848	.38001	.34462
#1	.01029	.10967	.01250	.10146	.01058	.00097	.12671	.21327	.00557	.01047	.01068	.01596	.10487
#2	.01085	.10848	.01641	.10141	.01065	.00123	.12969	.21332	.00564	.01039	.01064	.01605	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2737**	**.01006**	**.21238**	**.01045**	**.02053**	F **1.3291**	**.04229**	**2.9306**	**.01039**	**.02249**	**.01267**	**.01492**	**.50741**
Stddev	.0143	.00086	.00075	.00005	.00018	.0274	.00009	.0026	.00013	.00029	.00104	.00142	.01163
%RSD	.43520	8.5842	.35087	.48308	.87822	2.0654	.22050	.08867	1.2404	1.2797	8.2173	9.4888	2.2925
#1	3.2838	.00945	.21186	.01048	.02040	1.3097	.04223	2.9288	.01030	.02229	.01341	.01592	.49919
#2	3.2637	.01067	.21291	.01041	.02065	1.3485	.04236	2.9324	.01048	.02269	.01193	.01392	.51564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0859**	**.10452**	**.01040**	**.01482**	**.01000**	**.01653**	F **.07953**	**.00975**	**.02498**	**.01719**
Stddev	.0249	.00141	.00007	.00044	.00019	.00018	.06345	.00015	.00052	.00214
%RSD	2.2925	1.3538	.72037	2.9675	1.8501	1.0693	79.789	1.5151	2.0830	12.427
#1	1.0683	.10352	.01045	.01513	.00987	.01666	.03466	.00985	.02462	.01870
#2	1.1035	.10552	.01035	.01451	.01013	.01641	.12440	.00964	.02535	.01568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8219.8**	**104540.**	**8278.7**
Stddev	18.8	530.	88.0
%RSD	.22823	.50701	1.0629
#1	8206.5	104160.	8340.9
#2	8233.0	104910.	8216.4

Sample Name: mb 280-199649/1-a Acquired: 11/8/2013 22:51:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00042**	**.00247**	**-.00076**	**.00320**	**-.00017**	**.00010**	**-.00018**	**.01251**	**.00027**	**-.00017**
Stddev	.00022	.00007	.00127	.00019	.00008	.00000	.00047	.00496	.00002	.00001
%RSD	51.205	2.7936	167.27	5.9692	46.430	.31666	261.40	39.619	7.1676	6.3989
#1	-.00057	.00242	.00014	.00307	-.00011	.00010	-.00051	.01601	.00029	-.00018
#2	-.00027	.00252	-.00166	.00334	-.00022	.00010	.00015	.00900	.00026	-.00017
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00017**	**.00262**	**.06141**	**.00002**	**.00317**	**.00006**	**.00014**	W **.21678**	**.00010**
Stddev	.00006	.00034	.00280	.00032	.00025	.00013	.00000	.00019	.00090	.00001
%RSD	56.591	200.71	106.90	.52396	1384.7	4.2416	6.8744	136.56	.41644	15.214
#1	.00014	-.00041	.00459	.06164	-.00016	.00327	.00006	.00000	.21615	.00009
#2	.00006	.00007	.00064	.06119	.00019	.00308	.00007	.00027	.21742	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00106**	F **.01858**	**.00174**	**.00187**	**-.00005**	**-.00010**	**.00019**	**.00006**	**-.00073**
Stddev	.00113	.00068	.00117	.00198	.00201	.00808	.01730	.00012	.00016	.00230
%RSD	237.75	64.001	6.2921	113.89	107.51	17537.	17537.	59.678	250.56	316.37
#1	-.00032	.00154	.01941	.00313	.00329	-.00576	-.01233	.00028	.00018	-.00235
#2	.00127	.00058	.01775	.00034	.00045	.00567	.01213	.00011	-.00005	.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00038**	**.01330**	**-.00045**	**.00332**	**.00198**
Stddev	.0001	.00042	.03925	.00013	.00005	.00096
%RSD	7478.1	110.40	295.11	28.116	1.5708	48.611
#1	.00009	.00068	.04105	-.00036	.00336	.00266
#2	-.00009	.00008	-.01445	-.00054	.00328	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8307.2**	**106580.**	**8479.0**
Stddev	12.1	628.	25.5
%RSD	.14560	.58950	.30057
#1	8298.7	106140.	8497.0
#2	8315.8	107020.	8460.9

Sample Name: lcs 280-199649/2-a Acquired: 11/8/2013 22:53:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04804**	**1.9344**	**1.0041**	**1.0132**	**2.0412**	**.05011**	**2.2897**	**49.651**	**.10430**	**.49469**
Stddev	.00016	.0014	.0003	.0001	.0069	.00016	.0025	.160	.00008	.00018
%RSD	.33943	.07061	.02638	.00683	.33538	.32580	.11003	.32249	.07279	.03648
#1	.04816	1.9334	1.0043	1.0132	2.0363	.05000	2.2880	49.537	.10424	.49481
#2	.04793	1.9354	1.0040	1.0133	2.0460	.05023	2.2915	49.764	.10435	.49456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20261**	**.25861**	**.96808**	**52.254**	**1.0183**	**49.483**	**.49609**	**1.0311**	**54.168**	**.49693**
Stddev	.00022	.00011	.00246	.123	.0039	.152	.00097	.0006	.071	.00013
%RSD	.10911	.04197	.25430	.23447	.38404	.30659	.19521	.06079	.13192	.02534
#1	.20277	.25854	.96982	52.168	1.0155	49.376	.49540	1.0307	54.118	.49684
#2	.20246	.25869	.96634	52.341	1.0211	49.591	.49677	1.0316	54.219	.49702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.153**	**.49681**	**.01098**	**.50518**	**1.9903**	**10.119**	**21.654**	**2.0308**	**1.0137**	**1.0088**
Stddev	.008	.00059	.00289	.00272	.0011	.024	.052	.0001	.0032	.0014
%RSD	.08117	.11865	26.347	.53865	.05466	.24154	.24154	.00704	.32106	.14291
#1	10.159	.49723	.01302	.50710	1.9911	10.136	21.691	2.0309	1.0114	1.0078
#2	10.147	.49639	.00893	.50325	1.9896	10.101	21.617	2.0307	1.0160	1.0098
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0230**	**1.9612**	**2.1537**	**.51341**	**.49684**	**.51789**
Stddev	.0005	.0008	.0083	.00041	.00011	.00256
%RSD	.04534	.04040	.38569	.08050	.02197	.49527
#1	1.0233	1.9617	2.1478	.51370	.49691	.51970
#2	1.0227	1.9606	2.1595	.51311	.49676	.51608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7963.5**	**100450.**	**8420.4**
Stddev	1.7	475.	79.7
%RSD	.02090	.47279	.94659
#1	7962.3	100110.	8476.7
#2	7964.7	100780.	8364.0

Sample Name: 280-48852-b-1-d Acquired: 11/8/2013 22:55:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.08195**	**-.00051**	**.23482**	**.07729**	**.00008**	**.00090**	**91.071**	**.00061**	**.00012**
Stddev	.00027	.00019	.00287	.00056	.00042	.00003	.00067	.079	.00009	.00009
%RSD	119.95	.23639	560.42	.23796	.53841	38.662	74.053	.08720	14.766	74.048
#1	-.00003	.08181	.00152	.23443	.07758	.00011	.00138	91.127	.00055	.00006
#2	-.00042	.08209	-.00254	.23522	.07699	.00006	.00043	91.015	.00068	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00493**	**.19242**	**8.7127**	**.02921**	**18.499**	**.08784**	**.00667**	**107.43**	**.00176**
Stddev	.00028	.00036	.00036	.0254	.00354	.012	.00009	.00009	.57	.00015
%RSD	55.746	7.3383	.18806	.29099	12.102	.06317	.10517	1.3802	.52715	8.3566
#1	.00030	.00467	.19268	8.6948	.02671	18.491	.08777	.00673	107.03	.00166
#2	.00069	.00518	.19217	8.7306	.03171	18.507	.08790	.00660	107.83	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91367**	**.00130**	**58.182**	**.00051**	**.00261**	**6.2186**	**13.308**	**.00072**	**.71117**	**.00066**
Stddev	.00192	.00038	.003	.00026	.00026	.0362	.078	.00001	.00017	.00119
%RSD	.20982	29.486	.00600	50.878	9.8153	.58272	.58272	1.8004	.02404	181.40
#1	.91231	.00103	58.180	.00033	.00279	6.2442	13.363	.00073	.71129	.00150
#2	.91502	.00157	58.185	.00070	.00243	6.1930	13.253	.00071	.71104	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.00119**	**-.00608**	**.00137**	**.02514**	**.00131**
Stddev	.00011	.00042	.02734	.00055	.00015	.00234
%RSD	3.6704	35.586	449.58	40.418	.60175	179.44
#1	.00299	.00148	-.02541	.00098	.02524	-.00035
#2	.00284	.00089	.01325	.00176	.02503	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7860.4**	**99642.**	**8356.5**
Stddev	2.5	319.	12.6
%RSD	.03192	.31996	.15036
#1	7862.2	99867.	8365.4
#2	7858.7	99416.	8347.6

Sample Name: 280-48852-b-1-dSD@5 Acquired: 11/8/2013 22:58:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.02825**	**-.00041**	**.04816**	**.01555**	**.00007**	**.00032**	**18.094**	**.00029**	**.00000**
Stddev	.00020	.00025	.00194	.00057	.00008	.00004	.00074	.096	.00020	.00007
%RSD	511.68	.87109	469.54	1.1827	.48533	60.405	228.81	.52858	70.426	1815.4
#1	-.00018	.02807	-.00178	.04856	.01560	.00009	.00084	18.026	.00015	.00005
#2	.00010	.02842	.00096	.04776	.01549	.00004	-.00020	18.161	.00043	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00129**	**.05498**	**1.8025**	**.00541**	**3.7129**	**.01764**	**.00146**	**21.605**	**.00028**
Stddev	.00004	.00085	.00037	.0160	.00214	.0021	.00005	.00001	.220	.00002
%RSD	33.127	65.626	.67881	.88820	39.433	.05767	.29422	.64149	1.0168	5.5855
#1	.00016	.00069	.05524	1.8139	.00390	3.7144	.01768	.00145	21.450	.00027
#2	.00010	.00189	.05472	1.7912	.00692	3.7113	.01760	.00146	21.760	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17254**	**.00108**	**11.217**	**.00177**	**-.00097**	**1.2333**	**2.6393**	**.00221**	**.14087**	**-.00070**
Stddev	.00103	.00007	.007	.00237	.00026	.0205	.0439	.00059	.00106	.00146
%RSD	.59985	6.1011	.06306	133.66	26.985	1.6635	1.6635	26.746	.75036	207.89
#1	.17327	.00104	11.212	.00345	-.00116	1.2188	2.6083	.00263	.14012	.00033
#2	.17181	.00113	11.222	.00010	-.00079	1.2478	2.6704	.00180	.14162	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00110**	**.00036**	**-.00014**	**.01185**	**-.00065**
Stddev	.00015	.00021	.03904	.00069	.00038	.00263
%RSD	27.531	19.349	10721.	500.37	3.2375	406.28
#1	.00043	.00095	-.02724	.00035	.01212	.00121
#2	.00064	.00125	.02797	-.00062	.01158	-.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8135.5**	**103420.**	**8369.6**
Stddev	18.3	369.	22.4
%RSD	.22547	.35678	.26796
#1	8122.6	103680.	8385.5
#2	8148.5	103160.	8353.7

Sample Name: 280-48852-b-1-e ms Acquired: 11/8/2013 23:00:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**2.0587**	W **2.4705**	**1.0712**	**1.2911**	**2.2063**	**.05220**	F **2.3598**	**144.13**	**.10933**
Stddev	.00086	.0029	.0040	.0001	.0016	.0008	.00004	.0001	.14	.00032
%RSD	1.7227	.13914	.16021	.01377	.12467	.03625	.08573	.00540	.09760	.29187
#1	.04944	2.0607	2.4677	1.0713	1.2922	2.2057	.05223	2.3598	144.23	.10956
#2	.05066	2.0567	2.4733	1.0711	1.2899	2.2069	.05217	2.3599	144.03	.10911
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50888**	**.21041**	**.27155**	**1.1956**	**64.006**	**1.0880**	**69.014**	**.60017**	**1.0888**	**166.90**
Stddev	.00094	.00011	.00117	.0027	.229	.0008	.051	.00103	.0009	.01
%RSD	.18400	.05232	.42926	.22447	.35731	.06979	.07457	.17171	.08061	.00722
#1	.50954	.21048	.27237	1.1937	63.844	1.0886	69.051	.60090	1.0882	166.91
#2	.50822	.21033	.27073	1.1975	64.168	1.0875	68.978	.59944	1.0894	166.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51170**	W **11.685**	**.50503**	**59.989**	**.53116**	**2.0717**	**17.118**	**36.632**	W **2.0862**	**1.7899**
Stddev	.00036	.002	.00109	.103	.00353	.0015	.018	.038	.0006	.0005
%RSD	.07069	.01835	.21648	.17096	.66494	.07265	.10278	.10278	.02807	.02743
#1	.51195	11.684	.50426	60.062	.52867	2.0727	17.105	36.606	2.0858	1.7902
#2	.51144	11.687	.50580	59.917	.53366	2.0706	17.130	36.659	2.0866	1.7895
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0451**	**1.0736**	**1.9377**	**2.1983**	**.53649**	**.53128**	**.54119**
Stddev	.0008	.0001	.0006	.0063	.00025	.00215	.00089
%RSD	.07829	.00865	.03221	.28849	.04607	.40413	.16486
#1	1.0457	1.0737	1.9381	2.1939	.53631	.53279	.54183
#2	1.0445	1.0736	1.9372	2.2028	.53666	.52976	.54056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7787.9**	**98220.**	**8351.0**
Stddev	5.3	293.	39.8
%RSD	.06765	.29864	.47636
#1	7791.6	98427.	8379.1
#2	7784.2	98012.	8322.8

Sample Name: 280-48852-b-1-f msd Acquired: 11/8/2013 23:02:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05118**	**2.0575**	W **2.4105**	**1.0642**	**1.2850**	**2.1957**	**.05190**	F **2.3617**	**142.58**	**.10937**
Stddev	.00067	.0011	.0097	.0015	.0043	.0016	.00012	.0078	.06	.00034
%RSD	1.3088	.05537	.40085	.14521	.33705	.07371	.23777	.32865	.04309	.31387
#1	.05165	2.0583	2.4173	1.0632	1.2820	2.1968	.05199	2.3562	142.63	.10913
#2	.05071	2.0567	2.4036	1.0653	1.2881	2.1945	.05181	2.3672	142.54	.10961
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50812**	**.21046**	**.27193**	**1.1939**	**63.558**	**1.0904**	**69.042**	**.60000**	**1.0831**	**166.15**
Stddev	.00131	.00046	.00003	.0022	.039	.0006	.112	.00083	.0030	.13
%RSD	.25731	.21738	.01055	.18586	.06134	.05691	.16288	.13782	.28058	.07747
#1	.50720	.21014	.27191	1.1955	63.585	1.0909	68.962	.59941	1.0809	166.24
#2	.50905	.21079	.27195	1.1924	63.530	1.0900	69.121	.60058	1.0852	166.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51142**	W **11.687**	**.50456**	**59.718**	**.52696**	**2.0692**	**16.946**	**36.264**	W **2.0793**	**1.7769**
Stddev	.00258	.057	.00080	.238	.00474	.0106	.160	.343	.0068	.0021
%RSD	.50456	.48801	.15801	.39924	.89906	.51407	.94467	.94467	.32738	.11867
#1	.50960	11.647	.50399	59.549	.52361	2.0616	16.833	36.022	2.0745	1.7784
#2	.51325	11.727	.50512	59.886	.53031	2.0767	17.059	36.506	2.0841	1.7754
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0494**	**1.0664**	**1.9357**	**2.1948**	**.53392**	**.53098**	**.53363**
Stddev	.0029	.0007	.0052	.0297	.00006	.00199	.00211
%RSD	.27528	.06362	.26632	1.3533	.01079	.37449	.39523
#1	1.0474	1.0659	1.9320	2.1738	.53396	.52957	.53214
#2	1.0515	1.0669	1.9393	2.2158	.53388	.53239	.53513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7783.6**	**98438.**	**8388.2**
Stddev	17.3	98.	36.4
%RSD	.22167	.09987	.43390
#1	7771.4	98369.	8413.9
#2	7795.8	98508.	8362.4

Sample Name: 280-48852-b-2-b Acquired: 11/8/2013 23:04:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.09725**	**.00239**	**.25869**	**.08203**	**.00007**	**-.00145**	**93.936**	**.00069**	**.00016**
Stddev	.00018	.00052	.00337	.00058	.00018	.00001	.00024	.360	.00015	.00024
%RSD	113.72	.53392	141.42	.22538	.21777	13.625	16.497	.38377	21.291	154.36
#1	-.00029	.09762	.00477	.25827	.08190	.00007	-.00128	93.682	.00079	-.00001
#2	-.00003	.09688	.00000	.25910	.08215	.00006	-.00162	94.191	.00058	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00609**	**.78465**	**9.1013**	**.03323**	**18.810**	**.10323**	**.00643**	**109.85**	**.00188**
Stddev	.00009	.00017	.00138	.0215	.00072	.014	.00007	.00010	.75	.00022
%RSD	12.426	2.8506	.17583	.23606	2.1654	.07347	.06674	1.5196	.68316	11.556
#1	.00067	.00621	.78367	9.0861	.03374	18.800	.10328	.00650	109.32	.00203
#2	.00080	.00597	.78562	9.1164	.03272	18.819	.10318	.00636	110.38	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93784**	**.00140**	**59.079**	**-.00196**	**.00146**	**6.4572**	**13.818**	**-.00012**	**.73699**	**-.00040**
Stddev	.00086	.00090	.115	.00069	.00472	.0061	.013	.00031	.00560	.00219
%RSD	.09215	63.832	.19432	35.302	322.34	.09451	.09451	263.46	.75949	552.08
#1	.93846	.00077	59.160	-.00147	.00480	6.4615	13.828	-.00034	.73303	-.00195
#2	.93723	.00204	58.998	-.00244	-.00187	6.4529	13.809	.00010	.74094	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00052**	**.00426**	**.00138**	**.02838**	**.00099**
Stddev	.00018	.00229	.02007	.00022	.00029	.00177
%RSD	4.6718	439.97	470.85	15.880	1.0100	179.60
#1	.00396	-.00110	.01846	.00123	.02859	.00224
#2	.00371	.00214	-.00993	.00154	.02818	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7896.4**	**100080.**	**8333.0**
Stddev	5.9	460.	2.4
%RSD	.07509	.45951	.02938
#1	7900.6	99756.	8334.7
#2	7892.2	100410.	8331.3

Sample Name: 280-48852-b-3-b Acquired: 11/8/2013 23:07:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.08764**	**-.00035**	**.22060**	**.06096**	**.00014**	**-.00030**	**81.446**	**.00075**	**.00008**
Stddev	.00045	.00020	.00279	.00053	.00026	.00011	.00094	.192	.00005	.00017
%RSD	4113.0	.23105	798.17	.24070	.43412	80.925	307.91	.23579	6.0310	207.36
#1	.00031	.08778	.00162	.22022	.06114	.00006	-.00097	81.310	.00072	-.00004
#2	-.00033	.08750	-.00232	.22097	.06077	.00021	.00036	81.582	.00079	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00539**	**.23542**	**9.4997**	**.02661**	**17.511**	**.10860**	**.00842**	**101.09**	**.00156**
Stddev	.00016	.00002	.00279	.1034	.00022	.076	.00044	.00016	.31	.00025
%RSD	38.749	.28869	1.1846	1.0884	.82860	.43594	.40149	1.8820	.30425	15.899
#1	.00030	.00538	.23739	9.4266	.02677	17.565	.10891	.00853	101.30	.00139
#2	.00052	.00540	.23344	9.5728	.02646	17.457	.10829	.00831	100.87	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2112**	**.00150**	**53.672**	**-.00023**	**.00336**	**5.4161**	**11.591**	**.00009**	**.63018**	**-.00109**
Stddev	.0013	.00065	.001	.00282	.00245	.0020	.004	.00025	.00040	.00095
%RSD	.10980	43.425	.00200	1225.0	73.020	.03723	.03723	267.21	.06379	87.079
#1	1.2121	.00196	53.673	.00176	.00162	5.4147	11.587	-.00008	.62990	-.00176
#2	1.2102	.00104	53.671	-.00222	.00509	5.4176	11.594	.00027	.63047	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**.00053**	**.02188**	**.00085**	**.03600**	**.00058**
Stddev	.00031	.00045	.02409	.00031	.00048	.00044
%RSD	11.647	84.437	110.12	36.483	1.3244	76.135
#1	.00247	.00021	.03892	.00108	.03634	.00027
#2	.00291	.00084	.00484	.00063	.03566	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7991.6**	**100780.**	**8382.2**
Stddev	11.2	406.	76.1
%RSD	.14005	.40252	.90735
#1	7983.7	100490.	8435.9
#2	7999.5	101070.	8328.4

Sample Name: 280-48852-b-4-b Acquired: 11/8/2013 23:09:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.12690**	**.00014**	**.20552**	**.06475**	**.00016**	**.00085**	**86.294**	**.00060**	**.00008**
Stddev	.00022	.00055	.00316	.00000	.00021	.00000	.00067	.227	.00005	.00031
%RSD	138.33	.43593	2224.3	.00123	.32547	.05571	78.420	.26288	7.7401	385.84
#1	.00000	.12729	-.00209	.20552	.06490	.00016	.00038	86.454	.00057	.00030
#2	.00032	.12651	.00238	.20553	.06460	.00016	.00132	86.133	.00063	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00690**	**.34022**	**10.117**	**.02691**	**18.943**	**.16456**	**.00384**	**102.00**	**.00196**
Stddev	.00004	.00024	.00328	.010	.00164	.012	.00042	.00012	.30	.00032
%RSD	5.9802	3.4925	.96276	.09527	6.0919	.06531	.25403	3.2159	.29621	16.340
#1	.00064	.00707	.33790	10.111	.02807	18.952	.16427	.00376	102.22	.00173
#2	.00059	.00673	.34253	10.124	.02576	18.935	.16486	.00393	101.79	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2173**	**.00245**	**55.677**	**-.00200**	**.00353**	**5.7196**	**12.240**	**-.00095**	**.69507**	**-.00078**
Stddev	.0019	.00017	.032	.00077	.00336	.0332	.071	.00091	.00296	.00149
%RSD	.15784	6.8523	.05765	38.365	95.333	.58032	.58032	96.185	.42515	190.45
#1	1.2160	.00257	55.699	-.00145	.00115	5.7431	12.290	-.00030	.69716	-.00183
#2	1.2187	.00233	55.654	-.00254	.00591	5.6961	12.190	-.00160	.69298	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**.00070**	**-.00464**	**.00098**	**.02365**	**.00220**
Stddev	.00017	.00019	.01517	.00004	.00008	.00022
%RSD	4.1525	27.034	327.13	3.9826	.33701	9.9248
#1	.00401	.00057	.00609	.00095	.02371	.00236
#2	.00425	.00084	-.01537	.00101	.02359	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7982.1**	**101040.**	**8518.0**
Stddev	14.1	292.	63.6
%RSD	.17644	.28892	.74609
#1	7972.1	101250.	8473.1
#2	7992.0	100840.	8563.0

Sample Name: 280-48852-b-5-b Acquired: 11/8/2013 23:11:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.11226**	**-.00042**	**.16071**	**.08828**	**.00012**	**-.00034**	**99.675**	**.00055**	**.00010**
Stddev	.00007	.00048	.00141	.00074	.00020	.00002	.00044	.325	.00005	.00004
%RSD	36.214	.42806	338.23	.45961	.22668	14.415	127.09	.32564	9.5021	41.064
#1	.00024	.11260	-.00141	.16019	.08814	.00013	-.00065	99.445	.00059	.00012
#2	.00014	.11192	.00058	.16123	.08842	.00011	-.00003	99.904	.00052	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00280**	**.36150**	**6.1422**	**.02939**	**20.786**	**.26418**	**.00372**	**96.493**	**.00128**
Stddev	.00003	.00045	.00628	.0322	.00109	.070	.00067	.00008	.339	.00010
%RSD	5.9505	15.976	1.7377	.52467	3.7250	.33804	.25187	2.0292	.35135	7.6600
#1	.00056	.00249	.35705	6.1194	.03017	20.836	.26465	.00367	96.254	.00121
#2	.00051	.00312	.36594	6.1650	.02862	20.736	.26371	.00378	96.733	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05479**	**-.00013**	**54.930**	**.00024**	**.00249**	**5.3246**	**11.395**	**-.00026**	**.81854**	**-.00153**
Stddev	.00059	.00021	.100	.00267	.00051	.0024	.005	.00060	.00342	.00061
%RSD	1.0687	159.73	.18228	1102.7	20.457	.04532	.04532	234.75	.41725	40.136
#1	.05520	-.00028	54.860	.00213	.00213	5.3229	11.391	-.00068	.81612	-.00110
#2	.05438	.00002	55.001	-.00164	.00284	5.3263	11.398	.00017	.82095	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**.00051**	**.00405**	**.00067**	**.01025**	**.00167**
Stddev	.00089	.00036	.03224	.00017	.00004	.00000
%RSD	22.291	71.066	796.65	24.475	.40329	.18364
#1	.00464	.00025	-.01875	.00079	.01022	.00168
#2	.00337	.00077	.02685	.00056	.01028	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7994.1**	**101790.**	**8553.6**
Stddev	2.2	764.	39.9
%RSD	.02804	.75041	.46658
#1	7992.5	101250.	8581.8
#2	7995.7	102330.	8525.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 23:14:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**50.892**	**.00112**	**.00717**	**-.00002**	**.00002**	**1.0361**	**.08049**	**-.00006**	**-.00081**	**-.00007**	**.00859**	**49.775**
Stddev	.00017	.015	.00039	.00019	.00019	.00011	.0002	.05874	.00008	.00017	.00013	.00024	.004
%RSD	5.1502	.02982	34.957	2.7026	958.78	446.03	.01599	72.979	131.26	21.062	192.34	2.8063	.00878
#1	.00352	50.881	.00084	.00731	.00011	-.00005	1.0360	.12203	.00000	-.00093	-.00016	.00842	49.771
#2	.00327	50.903	.00140	.00703	-.00015	.00010	1.0363	.03895	-.00012	-.00069	.00002	.00876	49.778
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21727**	**-.00230**	**.08495**	**.00039**	**-.00015**	**261.99**	**.00011**	**.00160**	**.00235**	**5.1294**	**.00015**	**-.00145**	**.02712**
Stddev	.03776	.00255	.00195	.00006	.00008	.40	.00013	.00085	.00009	.0119	.00118	.00186	.01130
%RSD	17.381	110.78	2.2946	15.711	51.339	.15189	126.40	53.534	3.9592	.23115	768.62	128.86	41.645
#1	.19056	-.00411	.08632	.00035	-.00020	261.71	.00020	.00099	.00228	5.1210	.00099	-.00276	.03511
#2	.24397	-.00050	.08357	.00043	-.00010	262.27	.00001	.00220	.00241	5.1377	-.00068	-.00013	.01914
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05804**	**-.00050**	**.00099**	**4.8521**	**-.00566**	**.00194**	**10.217**	**.00088**	**.00163**	**.02272**
Stddev	.02417	.00041	.00043	.0157	.00004	.00038	.018	.00023	.00035	.00235
%RSD	41.645	82.636	42.995	.32254	.62697	19.721	.17131	26.460	21.687	10.335
#1	.07514	-.00080	.00129	4.8410	-.00568	.00167	10.205	.00104	.00188	.02106
#2	.04095	-.00021	.00069	4.8632	-.00563	.00222	10.229	.00071	.00138	.02438
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8082.4**	**102220.**	**8539.0**
Stddev	.9	452.	60.2
%RSD	.01139	.44241	.70542
#1	8081.8	102540.	8581.6
#2	8083.1	101900.	8496.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 23:16:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50410**	**.51846**	**1.0175**	**.51634**	**.50736**	**.49989**	**.00118**	**5.0302**	**.51152**	**.50875**	**.50538**	**.51377**
Stddev	.00063	.00145	.0028	.00393	.00356	.00430	.00116	.0138	.00023	.00098	.00026	.00136
%RSD	.12585	.27998	.27901	.76129	.70087	.86025	97.846	.27395	.04402	.19270	.05138	.26409
#1	.50455	.51743	1.0155	.51356	.50987	.50293	.00200	5.0399	.51136	.50806	.50520	.51281
#2	.50365	.51948	1.0195	.51912	.50485	.49685	.00036	5.0204	.51168	.50945	.50556	.51473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4502**	**51.856**	**1.0159**	**19.834**	**.50191**	**.51422**	W **5.5179**	**.51365**	**1.0162**	**1.0421**	**.02211**	**1.0371**
Stddev	.0204	.152	.0075	.012	.00076	.00151	.0935	.00453	.0057	.0022	.00304	.0058
%RSD	.83170	.29331	.73823	.05962	.15071	.29343	1.6944	.88156	.55964	.21051	13.745	.55977
#1	2.4646	51.963	1.0212	19.843	.50245	.51316	5.5840	.51045	1.0122	1.0405	.02426	1.0330
#2	2.4358	51.748	1.0106	19.826	.50138	.51529	5.4518	.51685	1.0202	1.0436	.01997	1.0412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0127**	**5.0149**	**10.732**	**1.0222**	**.50441**	**-.00176**	**.50477**	**1.0373**	**.02609**	**.50730**	**.50372**	**.50728**
Stddev	.0014	.0295	.063	.0020	.00317	.00123	.00029	.0014	.01991	.00033	.00125	.00282
%RSD	.13422	.58903	.58903	.19603	.62791	69.710	.05699	.13379	76.335	.06428	.24724	.55609
#1	1.0118	5.0358	10.777	1.0207	.50665	-.00089	.50457	1.0363	.01201	.50753	.50284	.50927
#2	1.0137	4.9940	10.687	1.0236	.50217	-.00262	.50498	1.0383	.04017	.50707	.50460	.50528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8212.8**	**104520.**	**8580.6**
Stddev	30.2	98.	73.8
%RSD	.36733	.09349	.86058
#1	8234.1	104450.	8632.8
#2	8191.4	104590.	8528.4

Sample Name: CCB Acquired: 11/8/2013 23:18:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00243**	**.00168**	**.00301**	**.00012**	**.00027**	**.00087**	**.00777**	**.00025**	**-.00001**	**.00013**	**.00085**
Stddev	.00063	.00022	.00033	.00044	.00025	.00007	.00183	.00109	.00022	.00004	.00004	.00023
%RSD	119.03	8.8944	19.888	14.474	204.68	24.834	208.88	14.036	88.926	449.62	32.763	27.061
#1	.00008	.00258	.00191	.00270	-.00005	.00032	.00216	.00854	.00040	.00002	.00010	.00102
#2	.00098	.00228	.00144	.00332	.00030	.00023	-.00042	.00700	.00009	-.00003	.00017	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00540**	**.10657**	**.00078**	**-.00014**	**.00010**	**.00051**	W **.15213**	**.00020**	**-.00039**	**.00099**	**.01681**	F **.00659**
Stddev	.00317	.02436	.00133	.00048	.00005	.00004	.00373	.00005	.00021	.00047	.00067	.00087
%RSD	58.680	22.861	171.68	342.34	45.928	6.9775	2.4530	26.977	53.697	47.308	3.9649	13.237
#1	.00765	.12379	-.00017	-.00048	.00007	.00054	.15477	.00023	-.00024	.00132	.01728	.00721
#2	.00316	.08934	.00172	.00020	.00013	.00049	.14949	.00016	-.00054	.00066	.01633	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**.00889**	**.01903**	**.00031**	**.00024**	**.00005**	**.00045**	**.00054**	**-.00009**	**-.00018**	**.00354**	**-.00087**
Stddev	.00277	.00006	.00012	.00001	.00013	.00001	.00031	.00084	.02820	.00054	.00056	.00086
%RSD	94.721	.62993	.62993	4.2051	55.350	20.425	69.871	155.88	30001.	293.68	15.853	98.450
#1	.00097	.00893	.01911	.00032	.00034	.00006	.00023	-.00006	.01984	.00020	.00394	-.00026
#2	.00489	.00885	.01894	.00030	.00015	.00004	.00067	.00113	-.02003	-.00056	.00314	-.00147
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8198.5**	**105200.**	**8336.2**
Stddev	26.7	349.	23.3
%RSD	.32518	.33171	.28001
#1	8217.4	104950.	8319.7
#2	8179.7	105450.	8352.7

Sample Name: CCVL2367586 Acquired: 11/8/2013 23:20:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.10790**	**.01587**	**.10037**	**.01026**	**.00108**	**.12483**	**.21241**	**.00526**	**.01046**	**.01046**	**.01606**	**.10718**
Stddev	.00080	.00003	.00283	.00022	.00041	.00003	.00092	.00123	.00012	.00017	.00001	.00003	.00228
%RSD	8.5649	.03163	17.847	.21780	4.0181	2.6653	.73418	.57874	2.3381	1.6054	.11355	.19361	2.1230
#1	.00986	.10792	.01387	.10053	.00997	.00110	.12419	.21328	.00535	.01058	.01047	.01608	.10557
#2	.00873	.10787	.01787	.10022	.01056	.00106	.12548	.21154	.00517	.01034	.01045	.01604	.10878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2241**	**.00846**	**.20834**	**.01036**	**.02039**	**1.2094**	**.04205**	**2.9268**	**.01098**	**.01500**	**.00899**	**.01723**	**.50728**
Stddev	.0293	.00153	.00230	.00000	.00015	.0346	.00044	.0036	.00091	.00135	.00364	.00235	.00210
%RSD	.90717	18.096	1.1055	.02697	.73901	2.8642	1.0523	.12423	8.3011	9.0100	40.477	13.617	.41473
#1	3.2448	.00954	.20997	.01036	.02049	1.2339	.04236	2.9243	.01033	.01596	.00642	.01557	.50579
#2	3.2034	.00738	.20671	.01036	.02028	1.1850	.04174	2.9294	.01162	.01404	.01156	.01889	.50877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0856**	**.10470**	**.01025**	**.01614**	**.00975**	**.01595**	F **.03883**	**.00990**	**.02518**	**.01602**
Stddev	.0045	.00047	.00013	.00026	.00036	.00026	.02999	.00052	.00017	.00002
%RSD	.41473	.44783	1.2747	1.6070	3.6866	1.6565	77.222	5.2667	.69265	.12175
#1	1.0824	.10503	.01016	.01632	.00950	.01576	.06003	.00953	.02530	.01603
#2	1.0888	.10436	.01034	.01595	.01001	.01614	.01763	.01026	.02506	.01600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8245.5**	**105690.**	**8442.4**
Stddev	23.4	488.	9.0
%RSD	.28437	.46134	.10627
#1	8228.9	106030.	8436.1
#2	8262.0	105340.	8448.7

Sample Name: 280-48880-d-1-b Acquired: 11/8/2013 23:23:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.25817**	**.00158**	**.03107**	**.06004**	**.00016**	**-.00190**	**38.935**	**.00031**	**-.00017**
Stddev	.00082	.00093	.00557	.00028	.00052	.00001	.00129	.010	.00006	.00018
%RSD	224.09	.36048	352.16	.91134	.86674	6.5424	67.671	.02640	19.858	106.07
#1	-.00095	.25751	-.00236	.03087	.06041	.00015	-.00281	38.928	.00035	-.00030
#2	.00021	.25882	.00553	.03127	.05968	.00016	-.00099	38.943	.00027	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**.00178**	**.26437**	**3.0218**	**.01420**	**8.8783**	**.11222**	**.00889**	**25.233**	**.00167**
Stddev	.00011	.00028	.00539	.0137	.00018	.0231	.00002	.00037	.695	.00025
%RSD	5.1908	15.938	2.0381	.45204	1.2754	.26050	.01872	4.2151	2.7559	14.904
#1	.00222	.00158	.26818	3.0315	.01408	8.8620	.11220	.00862	24.742	.00149
#2	.00206	.00198	.26056	3.0122	.01433	8.8947	.11223	.00915	25.725	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02403**	**.00155**	**18.318**	**.00264**	**-.00146**	**3.4138**	**7.3054**	**-.00025**	**.32346**	**-.00039**
Stddev	.00208	.00072	.059	.00220	.00075	.0173	.0369	.00115	.00070	.00125
%RSD	8.6366	46.751	.32462	83.410	51.543	.50565	.50565	464.97	.21561	316.50
#1	.02550	.00104	18.276	.00419	-.00199	3.4260	7.3316	.00057	.32395	-.00128
#2	.02257	.00206	18.360	.00108	-.00093	3.4016	7.2793	-.00106	.32297	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.00073**	**.00119**	**.00045**	**.00592**	**.00068**
Stddev	.00019	.00090	.02750	.00050	.00027	.00079
%RSD	2.0836	122.90	2320.2	110.83	4.6149	116.54
#1	.00890	.00137	.02063	.00080	.00572	.00124
#2	.00916	.00010	-.01826	.00010	.00611	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8131.0**	**103410.**	**8507.8**
Stddev	5.9	38.	23.5
%RSD	.07239	.03705	.27621
#1	8126.9	103440.	8491.2
#2	8135.2	103390.	8524.4

Sample Name: 280-48880-d-2-b Acquired: 11/8/2013 23:25:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.02808**	**.00209**	**.21330**	**.04757**	**.00003**	**-.00003**	**83.482**	**.00070**	**-.00001**
Stddev	.00029	.00025	.00193	.00062	.00050	.00000	.00411	.404	.00009	.00008
%RSD	99.529	.90282	92.307	.28925	1.0451	13.905	12072.	.48414	12.847	1133.9
#1	-.00009	.02826	.00346	.21373	.04721	.00004	-.00294	83.768	.00076	-.00007
#2	-.00049	.02790	.00073	.21286	.04792	.00003	.00287	83.196	.00064	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.01574**	**.29841**	**17.252**	**.03519**	**18.378**	**.02745**	**.00589**	**140.24**	**.00174**
Stddev	.00005	.00081	.00242	.024	.00252	.080	.00014	.00007	.79	.00022
%RSD	11.270	5.1740	.81256	.13848	7.1545	.43429	.51782	1.2682	.56511	12.717
#1	.00046	.01517	.29670	17.269	.03341	18.322	.02735	.00594	140.80	.00190
#2	.00039	.01632	.30013	17.235	.03697	18.435	.02755	.00584	139.68	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35151**	**.00104**	**54.832**	**-.00172**	**.00358**	**2.2645**	**4.8461**	**.00030**	**.81832**	**-.00081**
Stddev	.00073	.00062	.116	.00018	.00106	.0139	.0298	.00064	.00420	.00101
%RSD	.20839	59.267	.21155	10.770	29.590	.61575	.61575	213.23	.51376	124.15
#1	.35099	.00148	54.750	-.00185	.00432	2.2547	4.8250	.00076	.82129	-.00152
#2	.35203	.00060	54.914	-.00159	.00283	2.2744	4.8672	-.00015	.81534	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**.00092**	**.04394**	**.00047**	**.04839**	**.00206**
Stddev	.00046	.00075	.00371	.00091	.00008	.00019
%RSD	27.385	81.968	8.4407	190.81	.15731	9.3671
#1	.00202	.00039	.04132	-.00017	.04845	.00219
#2	.00137	.00145	.04656	.00111	.04834	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7959.4**	**101130.**	**8540.4**
Stddev	1.1	227.	27.9
%RSD	.01356	.22469	.32725
#1	7958.6	101300.	8520.6
#2	7960.1	100970.	8560.1

Sample Name: 280-48880-d-3-b Acquired: 11/8/2013 23:27:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.21159**	**-.00089**	**.14455**	**.07228**	**.00007**	**.00127**	**73.134**	**.00049**	**.00038**
Stddev	.00054	.00050	.00149	.00031	.00009	.00005	.00111	.323	.00005	.00012
%RSD	238.67	.23477	167.72	.21666	.12098	65.596	86.811	.44176	10.077	31.848
#1	-.00016	.21194	-.00194	.14478	.07222	.00010	.00206	72.905	.00045	.00029
#2	.00061	.21124	.00016	.14433	.07234	.00004	.00049	73.362	.00052	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00632**	**.34611**	**10.698**	**.02813**	**15.793**	**.16986**	**.00720**	**85.947**	**.00126**
Stddev	.00013	.00043	.00358	.039	.00008	.022	.00059	.00029	.580	.00004
%RSD	28.053	6.7647	1.0329	.36030	.27228	.14174	.34960	4.0210	.67431	2.9094
#1	.00057	.00663	.34359	10.671	.02819	15.808	.17028	.00741	85.537	.00129
#2	.00038	.00602	.34864	10.725	.02808	15.777	.16944	.00700	86.357	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21388**	**.00072**	**40.960**	**-.00089**	**.00082**	**3.8214**	**8.1779**	**-.00027**	**.69395**	**-.00155**
Stddev	.00095	.00050	.107	.00246	.00223	.0050	.0108	.00017	.00135	.00182
%RSD	.44550	69.277	.26106	276.24	270.34	.13179	.13179	62.539	.19414	117.63
#1	.21321	.00108	40.884	.00085	.00240	3.8179	8.1702	-.00039	.69300	-.00026
#2	.21455	.00037	41.035	-.00263	-.00075	3.8250	8.1855	-.00015	.69490	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00613**	**-.00069**	**-.00558**	**.00107**	**.02432**	**.00272**
Stddev	.00024	.00040	.00405	.00025	.00003	.00359
%RSD	3.9459	58.999	72.486	23.410	.13088	132.03
#1	.00630	-.00097	-.00844	.00125	.02434	.00525
#2	.00596	-.00040	-.00272	.00090	.02429	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8034.5**	**102540.**	**8620.2**
Stddev	9.9	283.	71.1
%RSD	.12322	.27634	.82535
#1	8027.5	102340.	8670.5
#2	8041.5	102740.	8569.9

Sample Name: 280-48837-b-2-a Acquired: 11/8/2013 23:30:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**24.396**	**.01187**	**.04759**	**.28847**	**.00113**	**-.01724**	**56.562**	**.00110**	**.00822**
Stddev	.00055	.057	.00227	.00002	.00051	.00003	.00078	.180	.00003	.00015
%RSD	522.53	.23462	19.117	.04792	.17586	2.9072	4.5291	.31763	2.4246	1.8312
#1	-.00028	24.437	.01347	.04757	.28883	.00115	-.01779	56.689	.00108	.00833
#2	.00050	24.356	.01026	.04760	.28811	.00110	-.01669	56.435	.00112	.00811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02592**	**.02776**	**20.798**	**7.8695**	**.02224**	**14.907**	**.44038**	**.01055**	**14.087**	**.03910**
Stddev	.00011	.00043	.125	.0972	.00083	.039	.00033	.00028	.248	.00011
%RSD	.42849	1.5534	.59972	1.2347	3.7204	.26356	.07534	2.6536	1.7594	.26877
#1	.02600	.02746	20.886	7.9382	.02282	14.935	.44062	.01075	13.912	.03917
#2	.02584	.02807	20.710	7.8008	.02165	14.880	.44015	.01035	14.262	.03903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68224**	**.01695**	**12.019**	**-.00128**	**.00265**	W **53.384**	**114.24**	**.00093**	**.22442**	**.00797**
Stddev	.00089	.00107	.008	.00237	.00133	.070	.15	.00075	.00038	.00247
%RSD	.13071	6.2983	.06467	185.84	50.106	.13149	.13149	79.845	.17148	31.033
#1	.68287	.01619	12.013	.00040	.00359	53.433	114.35	.00146	.22469	.00972
#2	.68161	.01770	12.024	-.00295	.00171	53.334	114.14	.00041	.22415	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34658**	**-.00034**	**-.03088**	**.05185**	**.08675**	**.01054**
Stddev	.00245	.00043	.00161	.00003	.00055	.00314
%RSD	.70694	124.13	5.2014	.05169	.63652	29.785
#1	.34485	-.00004	-.02974	.05183	.08636	.01276
#2	.34832	-.00064	-.03202	.05187	.08714	.00832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8441.1**	**105530.**	**8868.7**
Stddev	22.6	357.	55.0
%RSD	.26777	.33851	.62047
#1	8425.1	105270.	8829.8
#2	8457.0	105780.	8907.6

Sample Name: 280-48837-b-3-a Acquired: 11/8/2013 23:32:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**114.33**	**.05536**	**.13989**	**1.0782**	**.00595**	**-.04272**	**182.72**	**.00364**	**.04211**
Stddev	.00104	.05	.00250	.00055	.0038	.00002	.00042	1.29	.00013	.00000
%RSD	112.23	.04691	4.5186	.39428	.35027	.37597	.98796	.70801	3.4748	.00277
#1	-.00167	114.37	.05360	.14028	1.0809	.00597	-.04302	181.80	.00356	.04211
#2	-.00019	114.29	.05713	.13950	1.0756	.00593	-.04242	183.63	.00373	.04211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13276**	**.13916**	**114.73**	**29.494**	**.09613**	**43.718**	**1.9557**	**.04719**	**22.728**	**.16101**
Stddev	.00005	.00001	.65	.021	.00401	.043	.0022	.00003	.106	.00007
%RSD	.03464	.00684	.56989	.07193	4.1696	.09875	.11450	.05873	.46702	.04067
#1	.13279	.13916	115.19	29.509	.09896	43.749	1.9573	.04717	22.803	.16096
#2	.13273	.13917	114.27	29.479	.09329	43.688	1.9541	.04721	22.653	.16105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2353**	**.13696**	**22.261**	**-.00301**	**.01087**	W **107.44**	W **229.91**	**.00945**	**.57024**	**.03048**
Stddev	.0057	.00117	.017	.00194	.00040	.31	.66	.00018	.00218	.00066
%RSD	.13431	.85269	.07858	64.428	3.6370	.28896	.28896	1.9320	.38301	2.1740
#1	4.2394	.13778	22.249	-.00164	.01115	107.66	230.38	.00932	.57178	.03001
#2	4.2313	.13613	22.273	-.00438	.01059	107.22	229.44	.00958	.56869	.03095
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000	107.00			
Low Limit	-1.0000					-.10000	-.21400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0065**	**-.00233**	F **-.13774**	**.25605**	**1.1548**	**.02683**
Stddev	.0036	.00199	.06775	.00046	.0033	.00062
%RSD	.36081	85.145	49.186	.17803	.28824	2.3102
#1	1.0040	-.00093	-.08984	.25637	1.1571	.02727
#2	1.0091	-.00374	-.18565	.25573	1.1524	.02640
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8646.0**	**107050.**	**9508.8**
Stddev	6.8	789.	22.8
%RSD	.07827	.73684	.23995
#1	8650.8	106490.	9524.9
#2	8641.2	107610.	9492.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 23:34:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00365**	**50.591**	**.00235**	**.00585**	**.00049**	**.00001**	**1.0376**	**.05614**	**-.00012**	**-.00091**	**-.00012**	**.00893**	**49.231**
Stddev	.00053	.072	.00531	.00002	.00080	.00008	.0076	.00439	.00000	.00005	.00005	.00028	.460
%RSD	14.399	.14214	226.46	.30748	164.01	1048.9	.73675	7.8166	.57863	5.3990	39.348	3.1083	.93469
#1	.00328	50.642	-.00141	.00583	.00105	.00006	1.0322	.05925	-.00012	-.00094	-.00016	.00874	48.906
#2	.00402	50.540	.00610	.00586	-.00008	-.00005	1.0430	.05304	-.00012	-.00087	-.00009	.00913	49.557
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11365**	**.00160**	**.09118**	**.00077**	**-.00041**	**260.46**	**-.00017**	**.00300**	**.00171**	**5.1007**	**.00135**	**-.00142**	**.11166**
Stddev	.05057	.00026	.00153	.00002	.00012	1.54	.00024	.00066	.00042	.0169	.00252	.00179	.00479
%RSD	44.493	16.481	1.6777	2.5763	30.236	.58972	141.58	22.162	24.560	.33119	186.29	126.20	4.2871
#1	.14941	.00141	.09010	.00076	-.00050	261.55	-.00034	.00347	.00200	5.0887	-.00043	-.00269	.10828
#2	.07790	.00179	.09226	.00078	-.00032	259.38	.00000	.00253	.00141	5.1126	.00314	-.00015	.11505
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23896**	**-.00050**	**.00057**	**4.8662**	**-.00526**	**.00191**	**10.181**	**.00025**	**.00182**	**.01888**
Stddev	.01024	.00038	.00006	.0104	.00019	.00108	.025	.00059	.00025	.00605
%RSD	4.2871	75.210	11.068	.21272	3.6384	56.560	.24685	235.59	13.517	32.018
#1	.23172	-.00077	.00061	4.8735	-.00512	.00267	10.163	-.00017	.00199	.01461
#2	.24620	-.00023	.00052	4.8588	-.00539	.00115	10.199	.00067	.00164	.02316
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8122.9**	**101790.**	**8523.9**
Stddev	7.7	194.	41.6
%RSD	.09533	.19081	.48827
#1	8128.4	101650.	8494.5
#2	8117.5	101920.	8553.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 23:37:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51452**	**.53513**	**1.0374**	**.52542**	**.51688**	**.51109**	**.00167**	**5.1483**	**.52267**	**.52045**	**.51651**	**.52631**	**2.4821**
Stddev	.00021	.00093	.0006	.00175	.00132	.00014	.00106	.0042	.00041	.00085	.00046	.00071	.0080
%RSD	.04035	.17354	.06233	.33265	.25450	.02817	63.660	.08108	.07820	.16342	.08913	.13397	.32104
#1	.51467	.53579	1.0369	.52665	.51595	.51099	.00242	5.1512	.52296	.52105	.51684	.52681	2.4877
#2	.51438	.53448	1.0379	.52418	.51781	.51119	.00092	5.1453	.52238	.51985	.51619	.52581	2.4764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.939**	**1.0336**	**20.318**	**.51319**	**.52720**	F **5.5552**	**.52206**	**1.0426**	**1.0667**	**.01514**	**1.0586**	**1.0454**	**5.1360**
Stddev	.095	.0020	.067	.00147	.00101	.0077	.00016	.0063	.0006	.00138	.0040	.0033	.0360
%RSD	.17913	.19663	.33095	.28641	.19236	.13822	.03042	.60310	.05525	9.0923	.38119	.31446	.70119
#1	52.872	1.0321	20.365	.51423	.52792	5.5606	.52218	1.0470	1.0671	.01611	1.0558	1.0477	5.1105
#2	53.006	1.0350	20.270	.51215	.52648	5.5497	.52195	1.0382	1.0663	.01416	1.0615	1.0431	5.1614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.991**	**1.0466**	**.51494**	**-.00374**	**.51667**	**1.0607**	**-.03448**	**.51989**	**.51504**	**.51599**
Stddev	.077	.0018	.00062	.00228	.00121	.0007	.00675	.00037	.00022	.00045
%RSD	.70119	.17378	.12101	60.919	.23365	.06475	19.586	.07195	.04341	.08714
#1	10.936	1.0479	.51450	-.00534	.51752	1.0611	-.02971	.52016	.51520	.51567
#2	11.045	1.0453	.51538	-.00213	.51582	1.0602	-.03926	.51963	.51488	.51631
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8228.4**	**104330.**	**8525.2**
Stddev	4.0	34.	70.3
%RSD	.04892	.03225	.82495
#1	8231.2	104310.	8574.9
#2	8225.5	104360.	8475.5

Sample Name: CCB Acquired: 11/8/2013 23:39:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00587**	**.00178**	**.00226**	**.00018**	**.00024**	**.00354**	**.01702**	**.00024**	**.00005**	**.00017**	**.00024**
Stddev	.00063	.00138	.00007	.00021	.00001	.00015	.00009	.00485	.00004	.00007	.00024	.00007
%RSD	104.78	23.478	3.6627	9.1637	5.7212	64.801	2.5505	28.504	17.893	125.36	140.93	29.805
#1	.00016	.00685	.00182	.00240	.00017	.00035	.00347	.02045	.00027	.00001	.00000	.00019
#2	.00105	.00490	.00173	.00211	.00019	.00013	.00360	.01359	.00021	.00010	.00034	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01496**	**.04886**	**-.00112**	**.00763**	**.00024**	**.00060**	W **.10887**	**-.00003**	**-.00062**	**.00198**	**.01190**	F **.00756**
Stddev	.00310	.02870	.00169	.00106	.00002	.00013	.00562	.00033	.00010	.00074	.00340	.00027
%RSD	20.716	58.754	150.93	13.875	10.098	21.834	5.1593	1000.4	15.613	37.135	28.596	3.5752
#1	.01715	.02856	.00008	.00837	.00023	.00051	.11285	.00020	-.00055	.00250	.01431	.00775
#2	.01277	.06915	-.00231	.00688	.00026	.00070	.10490	-.00027	-.00069	.00146	.00949	.00737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.03233**	**.06918**	**.00063**	**.00028**	**.00168**	**.00005**	**-.00108**	**-.01233**	**-.00005**	**.00411**	**-.00107**
Stddev	.00398	.00235	.00503	.00021	.00001	.00017	.00021	.00094	.00024	.00012	.00013	.00217
%RSD	424.98	7.2771	7.2771	33.442	4.2147	10.192	382.82	87.408	1.9379	235.44	3.1993	202.80
#1	-.00188	.03066	.06562	.00078	.00027	.00156	.00020	-.00175	-.01216	-.00013	.00421	.00046
#2	.00375	.03399	.07274	.00048	.00029	.00180	-.00009	-.00041	-.01249	.00003	.00402	-.00260
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8300.2**	**106310.**	**8453.0**
Stddev	7.2	332.	33.8
%RSD	.08682	.31240	.39994
#1	8295.1	106070.	8476.9
#2	8305.3	106540.	8429.1

Sample Name: CCVL2367586 Acquired: 11/8/2013 23:41:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.11074**	**.01637**	**.10064**	**.01040**	**.00112**	**.12612**	**.21342**	**.00558**	**.01056**	**.01072**	**.01611**	**.10812**
Stddev	.00002	.00047	.00039	.00037	.00001	.00015	.00434	.00029	.00003	.00011	.00000	.00041	.00022
%RSD	.24689	.42294	2.4031	.37144	.11730	13.755	3.4392	.13576	.57631	1.0455	.04595	2.5533	.20305
#1	.00997	.11107	.01665	.10037	.01041	.00122	.12919	.21363	.00560	.01048	.01072	.01640	.10828
#2	.00993	.11041	.01610	.10090	.01039	.00101	.12306	.21322	.00556	.01064	.01072	.01582	.10796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2427**	**.01201**	**.21124**	**.01044**	**.02073**	**1.1785**	**.04245**	**2.9577**	**.01045**	**.01326**	**.01097**	**.01846**	**.52466**
Stddev	.0729	.00054	.00244	.00007	.00020	.0005	.00041	.0038	.00024	.00019	.00059	.00060	.00450
%RSD	2.2486	4.5265	1.1569	.69767	.97477	.04458	.96335	.12896	2.2799	1.3986	5.4205	3.2771	.85722
#1	3.2942	.01162	.21296	.01050	.02087	1.1789	.04274	2.9550	.01061	.01313	.01055	.01803	.52148
#2	3.1911	.01239	.20951	.01039	.02058	1.1781	.04216	2.9604	.01028	.01339	.01140	.01888	.52784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1228**	**.10446**	**.01053**	**.01542**	**.01044**	**.01592**	F **.08034**	**.00969**	**.02573**	**.01729**
Stddev	.0096	.00155	.00000	.00187	.00034	.00106	.01051	.00022	.00022	.00068
%RSD	.85722	1.4885	.00685	12.156	3.2440	6.6675	13.085	2.3064	.85941	3.9275
#1	1.1160	.10336	.01053	.01674	.01068	.01517	.08777	.00985	.02557	.01777
#2	1.1296	.10556	.01053	.01409	.01020	.01667	.07290	.00953	.02589	.01681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8353.4**	**106380.**	**8498.7**
Stddev	20.3	431.	94.0
%RSD	.24341	.40548	1.1059
#1	8339.0	106080.	8432.3
#2	8367.7	106690.	8565.2

Sample Name: mb 280-199620/1-b Acquired: 11/8/2013 23:43:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00014**	**.00819**	**.00123**	**.00192**	**.00028**	**.00015**	**.00151**	**.01136**	**.00015**	**-.00006**
Stddev	.00000	.00013	.00312	.00070	.00006	.00006	.00211	.00031	.00014	.00014
%RSD	1.9201	1.5437	254.79	36.272	20.399	39.673	139.07	2.7017	92.664	239.45
#1	-.00014	.00828	.00343	.00143	.00032	.00011	.00300	.01158	.00005	-.00015
#2	-.00014	.00810	-.00098	.00241	.00024	.00020	.00003	.01114	.00024	.00004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00017**	**.01068**	**.04711**	**.00040**	**.00280**	W **.00076**	**.00021**	W **.11502**	**-.00009**
Stddev	.00005	.00040	.00069	.02908	.00363	.00008	.00001	.00028	.00790	.00006
%RSD	28.393	237.54	6.4830	61.722	907.70	2.8463	1.9573	130.98	6.8655	74.886
#1	.00014	.00045	.01117	.06767	.00297	.00286	.00075	.00002	.12061	-.00013
#2	.00021	-.00011	.01019	.02655	-.00217	.00274	.00077	.00041	.10944	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00083**	F **.01871**	**.00184**	**.00211**	F **.01004**	**.02148**	**-.00022**	**.00004**	W **.00018**
Stddev	.00101	.00011	.00255	.00024	.00381	.00539	.01154	.00004	.00002	.00131
%RSD	99.162	13.485	13.615	12.878	180.75	53.700	53.700	16.393	51.382	721.93
#1	.00030	.00091	.01691	.00201	-.00059	.01385	.02964	-.00019	.00006	.00111
#2	.00173	.00075	.02051	.00168	.00480	.00623	.01332	-.00024	.00003	-.00075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00052**	**.00146**	**-.00037**	W **.00450**	**-.00059**
Stddev	.00023	.00076	.06830	.00033	.00058	.00180
%RSD	151.56	145.16	4670.4	90.353	12.844	303.51
#1	.00032	.00001	-.04683	-.00060	.00491	-.00187
#2	-.00001	-.00106	.04976	-.00013	.00409	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8313.7**	**106810.**	**8439.9**
Stddev	31.8	239.	14.7
%RSD	.38230	.22415	.17393
#1	8336.1	106640.	8429.5
#2	8291.2	106980.	8450.3

Sample Name: lcs 280-199620/2-b Acquired: 11/8/2013 23:46:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04979**	**1.9440**	**1.0105**	**1.0183**	**2.0620**	**.05028**	**2.3221**	**49.746**	**.10585**	**.49995**
Stddev	.00005	.0000	.0047	.0030	.0028	.00031	.0020	.086	.00035	.00021
%RSD	.10143	.00148	.46386	.29152	.13534	.61285	.08676	.17264	.33442	.04122
#1	.04976	1.9440	1.0138	1.0162	2.0600	.05007	2.3207	49.685	.10560	.49980
#2	.04983	1.9441	1.0072	1.0204	2.0639	.05050	2.3235	49.806	.10610	.50009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20452**	**.26339**	**.97368**	**52.564**	**1.0255**	**49.945**	**.50352**	**1.0332**	**54.277**	**.50152**
Stddev	.00051	.00009	.00556	.015	.0017	.013	.00042	.0032	.241	.00060
%RSD	.24916	.03380	.57055	.02827	.16173	.02624	.08275	.30818	.44421	.11919
#1	.20416	.26332	.96975	52.575	1.0243	49.954	.50381	1.0309	54.107	.50110
#2	.20488	.26345	.97761	52.554	1.0266	49.936	.50322	1.0354	54.448	.50194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.286**	**.50104**	**.00575**	**.51088**	**2.0205**	**10.095**	**21.602**	**2.0311**	**1.0223**	**1.0250**
Stddev	.021	.00269	.00010	.00237	.0062	.049	.104	.0071	.0012	.0024
%RSD	.20838	.53763	1.7944	.46369	.30706	.48335	.48335	.34940	.11628	.23785
#1	10.271	.49913	.00582	.51255	2.0249	10.060	21.529	2.0361	1.0215	1.0233
#2	10.301	.50294	.00567	.50920	2.0161	10.129	21.676	2.0261	1.0232	1.0268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0301**	**1.9790**	**2.1755**	**.52032**	**.50157**	**.51930**
Stddev	.0016	.0113	.0814	.00103	.00116	.00307
%RSD	.15438	.56896	3.7429	.19880	.23131	.59168
#1	1.0312	1.9870	2.1180	.51959	.50075	.51712
#2	1.0290	1.9710	2.2331	.52105	.50239	.52147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8017.1**	**101270.**	**8494.7**
Stddev	5.7	86.	18.8
%RSD	.07059	.08500	.22187
#1	8021.1	101210.	8481.4
#2	8013.1	101330.	8508.1

Sample Name: 280-48852-c-1-d Acquired: 11/8/2013 23:48:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.01372**	**.00145**	**.22841**	**.07473**	**.00000**	**-.00114**	**89.478**	**.00058**	**-.00001**
Stddev	.00018	.00025	.00025	.00033	.00081	.0001	.00225	.026	.00012	.00007
%RSD	32.075	1.8550	17.110	.14372	1.0899	2814.2	196.66	.02909	20.368	997.36
#1	-.00069	.01354	.00127	.22864	.07531	.00005	-.00273	89.459	.00066	.00004
#2	-.00044	.01390	.00162	.22817	.07416	-.00005	.00045	89.496	.00049	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00487**	**.08125**	**8.4916**	**.03350**	**18.016**	**.07938**	**.00628**	**106.97**	**.00167**
Stddev	.00011	.00014	.00158	.0724	.00278	.031	.00032	.00012	.89	.00007
%RSD	20.203	2.9646	1.9396	.85304	8.3008	.17054	.40080	1.9366	.82738	3.9121
#1	.00061	.00477	.08236	8.4404	.03547	17.994	.07916	.00619	107.59	.00162
#2	.00045	.00497	.08013	8.5428	.03154	18.038	.07961	.00636	106.34	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86011**	**.00230**	**56.973**	**.00027**	**.00357**	**5.9619**	**12.758**	**.00054**	**.70084**	**.00008**
Stddev	.00159	.00037	.083	.00178	.00039	.0194	.042	.00093	.00034	.00070
%RSD	.18463	16.269	.14548	651.90	11.024	.32590	.32590	174.27	.04891	877.96
#1	.85899	.00256	56.915	.00153	.00385	5.9481	12.729	-.00012	.70108	.00057
#2	.86123	.00204	57.032	-.00099	.00329	5.9756	12.788	.00119	.70060	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00144**	**.01747**	**.00108**	**.02365**	**-.00009**
Stddev	.00032	.00073	.05024	.00015	.00028	.00084
%RSD	35.444	50.511	287.60	13.734	1.1646	942.33
#1	.00067	.00092	-.01805	.00098	.02345	-.00068
#2	.00112	.00195	.05299	.00119	.02384	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.9**	**100590.**	**8413.5**
Stddev	4.1	457.	51.4
%RSD	.05134	.45478	.61079
#1	7919.0	100910.	8377.2
#2	7924.8	100270.	8449.8

Sample Name: 280-48852-c-1-dSD@5 Acquired: 11/8/2013 23:50:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.07691**	**.00085**	**.04648**	**.01452**	**.00002**	**.00151**	**17.696**	**.00033**	**-.00013**
Stddev	.00004	.00044	.00097	.00041	.00001	.00003	.00004	.048	.00001	.00002
%RSD	9.3694	.57072	114.10	.87921	.06226	210.36	2.7386	.27222	2.5974	13.362
#1	-.00042	.07722	.00154	.04619	.01453	.00004	.00148	17.731	.00034	-.00015
#2	-.00037	.07660	.00016	.04677	.01452	-.00001	.00154	17.662	.00033	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00159**	**.40680**	**1.7383**	**.00598**	**3.6440**	**.02014**	**.00131**	**21.311**	**.00034**
Stddev	.00011	.00023	.00037	.0367	.00216	.0130	.00012	.00009	.029	.00017
%RSD	26.951	14.200	.09049	2.1086	36.038	.35617	.57230	6.9650	.13771	50.508
#1	.00033	.00175	.40654	1.7642	.00751	3.6349	.02005	.00125	21.291	.00046
#2	.00049	.00143	.40706	1.7124	.00446	3.6532	.02022	.00138	21.332	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16562**	**.00068**	**11.062**	**-.00160**	**.00063**	**1.1604**	**2.4832**	**.00227**	**.13905**	**.00241**
Stddev	.00129	.00010	.032	.00013	.00079	.0112	.0239	.00049	.00031	.00008
%RSD	.77782	14.397	.29202	8.3415	125.49	.96456	.96456	21.427	.22447	3.4574
#1	.16471	.00075	11.085	-.00169	.00119	1.1683	2.5002	.00192	.13927	.00235
#2	.16653	.00061	11.040	-.00150	.00007	1.1525	2.4663	.00261	.13883	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00130**	**-.01525**	**-.00008**	**.02382**	**-.00226**
Stddev	.00011	.00028	.00629	.00000	.00000	.00056
%RSD	26.033	21.671	41.237	5.2021	.01243	24.844
#1	.00051	.00150	-.01081	-.00009	.02382	-.00265
#2	.00035	.00110	-.01970	-.00008	.02382	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8160.7**	**104040.**	**8421.0**
Stddev	22.5	217.	24.1
%RSD	.27594	.20816	.28565
#1	8144.7	104190.	8404.0
#2	8176.6	103890.	8438.0

Sample Name: 280-48852-c-1-e ms Acquired: 11/8/2013 23:52:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04969**	**1.9248**	**1.0369**	**1.2313**	**2.1544**	**.05106**	F **2.3146**	**136.97**	**.10681**	**.49690**
Stddev	.00010	.0038	.0021	.0005	.0018	.00027	.0117	.27	.00020	.00017
%RSD	.20991	.19636	.20184	.03966	.08344	.52580	.50449	.20059	.18628	.03362
#1	.04962	1.9275	1.0355	1.2309	2.1557	.05125	2.3228	137.16	.10695	.49702
#2	.04976	1.9221	1.0384	1.2316	2.1531	.05087	2.3063	136.78	.10667	.49679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20617**	**.26776**	**1.0522**	**62.276**	**1.0699**	**66.998**	**.58038**	**1.0498**	**159.26**	**.50079**
Stddev	.00008	.00088	.0024	.078	.0011	.005	.00061	.0006	.35	.00050
%RSD	.04078	.32801	.23100	.12586	.10528	.00793	.10596	.05254	.22075	.10030
#1	.20623	.26714	1.0539	62.331	1.0707	66.994	.57994	1.0495	159.01	.50044
#2	.20611	.26838	1.0504	62.221	1.0691	67.002	.58081	1.0502	159.51	.50115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.361**	**.49502**	**56.207**	**.51396**	**2.0282**	**16.042**	**34.330**	W **2.0165**	**1.7222**	**1.0277**
Stddev	.001	.00078	.036	.00044	.0035	.033	.071	.0015	.0037	.0035
%RSD	.01082	.15670	.06376	.08493	.17166	.20713	.20713	.07516	.21712	.34135
#1	11.362	.49447	56.232	.51427	2.0257	16.066	34.380	2.0176	1.7249	1.0252
#2	11.360	.49557	56.181	.51365	2.0307	16.019	34.280	2.0155	1.7196	1.0301
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0360**	**1.8951**	**2.1860**	**.52553**	**.51742**	**.52250**
Stddev	.0006	.0015	.0225	.00051	.00191	.00209
%RSD	.05966	.07841	1.0284	.09619	.36890	.39905
#1	1.0355	1.8962	2.1701	.52588	.51877	.52103
#2	1.0364	1.8941	2.2019	.52517	.51607	.52397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7805.9**	**98909.**	**8355.7**
Stddev	14.9	295.	5.9
%RSD	.19115	.29835	.07022
#1	7795.3	98700.	8351.6
#2	7816.4	99117.	8359.9

Sample Name: 280-48852-c-1-f msd Acquired: 11/8/2013 23:54:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05098**	**1.9567**	**1.0587**	**1.2533**	**2.1930**	**.05206**	F **2.3477**	**139.22**	**.10898**	**.50657**
Stddev	.00053	.0025	.0007	.0009	.0015	.00018	.0028	.22	.00007	.00107
%RSD	1.0451	.12771	.06979	.07199	.06852	.34396	.11798	.15582	.06281	.21220
#1	.05060	1.9549	1.0592	1.2527	2.1919	.05194	2.3458	139.37	.10903	.50581
#2	.05135	1.9584	1.0582	1.2540	2.1940	.05219	2.3497	139.06	.10893	.50733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20964**	**.27294**	**1.0728**	**63.145**	**1.0917**	**68.170**	**.59004**	**1.0684**	**162.01**	**.50963**
Stddev	.00053	.00115	.0050	.045	.0042	.030	.00102	.0000	.30	.00054
%RSD	.25357	.42007	.46796	.07121	.38506	.04339	.17263	.00116	.18393	.10680
#1	.21002	.27376	1.0692	63.177	1.0888	68.149	.58932	1.0684	161.80	.51001
#2	.20926	.27213	1.0763	63.114	1.0947	68.191	.59076	1.0684	162.22	.50924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.547**	**.50135**	**57.127**	**.51975**	**2.0511**	**16.298**	**34.878**	W **2.0468**	**1.7543**	**1.0470**
Stddev	.002	.00084	.097	.00200	.0077	.144	.309	.0002	.0001	.0062
%RSD	.01766	.16704	.16983	.38495	.37690	.88608	.88608	.00871	.00271	.59149
#1	11.545	.50195	57.058	.51834	2.0566	16.196	34.660	2.0469	1.7542	1.0426
#2	11.548	.50076	57.195	.52117	2.0456	16.400	35.097	2.0467	1.7543	1.0514
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0542**	**1.9301**	**2.2416**	**.53624**	**.52700**	**.52995**
Stddev	.0017	.0018	.0279	.00040	.00284	.00224
%RSD	.16321	.09088	1.2460	.07482	.53856	.42223
#1	1.0529	1.9289	2.2613	.53652	.52499	.52837
#2	1.0554	1.9314	2.2218	.53596	.52901	.53153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7782.1**	**99047.**	**8409.7**
Stddev	10.7	612.	3.3
%RSD	.13811	.61751	.03892
#1	7774.5	99480.	8407.4
#2	7789.7	98615.	8412.0

Sample Name: 280-48888-a-1-c Acquired: 11/8/2013 23:57:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.00302**	**.00256**	**.11077**	**.20433**	**.00012**	**-.00136**	**174.15**	**.00080**	**.00010**
Stddev	.00003	.00067	.00347	.00067	.00068	.00010	.00504	.10	.00005	.00009
%RSD	4.7848	22.240	135.86	.60528	.33272	87.471	369.23	.05559	6.6602	88.119
#1	-.00063	.00350	.00010	.11030	.20481	.00019	-.00493	174.08	.00076	.00016
#2	-.00067	.00255	.00501	.11125	.20385	.00005	.00220	174.22	.00084	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00434**	**.01691**	**5.7280**	**.05254**	**33.988**	**.01831**	**.00341**	**112.32**	**.00075**
Stddev	.00002	.00002	.00077	.0844	.00020	.094	.00006	.00019	.27	.00012
%RSD	5.6389	.49293	4.5495	1.4733	.37166	.27595	.34417	5.6261	.24339	15.949
#1	.00039	.00435	.01637	5.7877	.05241	33.922	.01835	.00327	112.13	.00067
#2	.00043	.00432	.01745	5.6683	.05268	34.055	.01826	.00354	112.52	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01558**	**.00081**	**74.673**	**.00065**	**.01132**	**9.5740**	**20.488**	**.00048**	**1.8577**	**-.00061**
Stddev	.00069	.00041	.011	.00264	.00427	.0428	.092	.00046	.0025	.00048
%RSD	4.3980	50.389	.01443	404.38	37.690	.44733	.44733	95.931	.13360	79.130
#1	.01509	.00110	74.681	.00252	.01434	9.5437	20.424	.00016	1.8594	-.00095
#2	.01606	.00052	74.666	-.00121	.00831	9.6043	20.553	.00081	1.8559	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00264**	**.03988**	**.00096**	**.00904**	**.00282**
Stddev	.00036	.00030	.02035	.00031	.00028	.00049
%RSD	52.549	11.291	51.016	32.279	3.0741	17.216
#1	.00044	.00243	.02550	.00074	.00885	.00248
#2	.00095	.00285	.05427	.00118	.00924	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7771.0**	**99438.**	**8447.1**
Stddev	17.0	375.	12.0
%RSD	.21874	.37729	.14183
#1	7783.0	99703.	8455.5
#2	7759.0	99173.	8438.6

Sample Name: 280-48888-a-1-d ms Acquired: 11/8/2013 23:59:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**1.8965**	**1.0441**	**1.1240**	**2.2805**	**.05058**	F **2.3144**	**218.68**	**.10754**	**.49348**
Stddev	.00003	.0022	.0008	.0016	.0020	.00021	.0031	.86	.00001	.00058
%RSD	.06099	.11874	.08105	.14595	.08840	.41100	.13266	.39193	.01066	.11845
#1	.05064	1.8981	1.0447	1.1228	2.2791	.05043	2.3166	219.29	.10754	.49389
#2	.05060	1.8950	1.0435	1.1252	2.2819	.05072	2.3122	218.08	.10755	.49307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20543**	**.26667**	**.97663**	**59.571**	**1.0950**	**82.625**	**.51525**	**1.0471**	**166.69**	**.49693**
Stddev	.00013	.00055	.00083	.087	.0018	.041	.00064	.0011	.34	.00078
%RSD	.06348	.20536	.08469	.14601	.15993	.04970	.12397	.10703	.20484	.15793
#1	.20552	.26628	.97605	59.509	1.0963	82.654	.51570	1.0463	166.45	.49749
#2	.20534	.26705	.97722	59.632	1.0938	82.596	.51480	1.0479	166.93	.49638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.581**	**.48914**	**74.412**	**.51258**	**2.0426**	**19.712**	**42.184**	W **2.0075**	**2.8716**	**1.0191**
Stddev	.005	.00138	.149	.00233	.0066	.067	.144	.0002	.0047	.0027
%RSD	.05175	.28182	.20029	.45396	.32107	.34064	.34064	.00811	.16287	.26567
#1	10.585	.48816	74.517	.51422	2.0472	19.665	42.083	2.0076	2.8683	1.0210
#2	10.577	.49011	74.306	.51093	2.0379	19.760	42.286	2.0074	2.8749	1.0171
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0266**	**1.8765**	**2.1891**	**.52304**	**.49765**	**.52026**
Stddev	.0005	.0019	.0094	.00162	.00024	.00182
%RSD	.04829	.10076	.43022	.30954	.04782	.34964
#1	1.0269	1.8778	2.1958	.52418	.49781	.51897
#2	1.0262	1.8751	2.1825	.52189	.49748	.52154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7697.8**	**98428.**	**8482.5**
Stddev	14.8	143.	88.1
%RSD	.19186	.14548	1.0384
#1	7708.2	98529.	8420.2
#2	7687.3	98326.	8544.7

Sample Name: 280-48888-a-1-e msd Acquired: 11/9/2013 0:01:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05021**	**1.8954**	**1.0458**	**1.1272**	**2.2888**	**.05114**	F **2.3197**	**223.37**	**.10789**	**.49521**
Stddev	.00026	.0043	.0051	.0009	.0024	.00000	.0050	.65	.00003	.00006
%RSD	.50904	.22581	.48604	.08150	.10263	.00186	.21562	.29115	.02975	.01238
#1	.05039	1.8923	1.0422	1.1266	2.2872	.05114	2.3162	223.83	.10787	.49517
#2	.05002	1.8984	1.0494	1.1279	2.2905	.05114	2.3232	222.91	.10791	.49526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20609**	**.26746**	**.98078**	**59.894**	**1.0973**	**83.431**	**.51981**	**1.0514**	**167.50**	**.49902**
Stddev	.00007	.00074	.00299	.048	.0014	.601	.00405	.0020	.06	.00046
%RSD	.03439	.27777	.30500	.07968	.12474	.72047	.78007	.19281	.03725	.09264
#1	.20604	.26799	.97866	59.928	1.0963	83.856	.52268	1.0500	167.55	.49935
#2	.20614	.26694	.98289	59.860	1.0983	83.006	.51694	1.0529	167.46	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.613**	**.49015**	**74.672**	**.51396**	**2.0418**	**19.855**	**42.490**	W **2.0128**	**2.8881**	**1.0262**
Stddev	.007	.00023	.021	.00568	.0086	.123	.262	.0029	.0030	.0109
%RSD	.06376	.04594	.02859	1.1042	.41966	.61705	.61705	.14578	.10514	1.0578
#1	10.608	.49030	74.656	.50995	2.0357	19.942	42.676	2.0107	2.8860	1.0338
#2	10.618	.48999	74.687	.51798	2.0479	19.769	42.305	2.0148	2.8903	1.0185
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0359**	**1.8789**	**2.1959**	**.52701**	**.50134**	**.52300**
Stddev	.0071	.0002	.0835	.00355	.00273	.00356
%RSD	.68928	.01128	3.8016	.67318	.54413	.68163
#1	1.0409	1.8791	2.1369	.52952	.50326	.52552
#2	1.0308	1.8788	2.2550	.52450	.49941	.52048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7711.4**	**97743.**	**8450.4**
Stddev	1.2	169.	26.9
%RSD	.01593	.17287	.31852
#1	7710.5	97623.	8469.5
#2	7712.3	97862.	8431.4

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:03:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**50.962**	**.00169**	**.00862**	**.00097**	**.00008**	**1.0335**	**.06590**	**-.00004**	**-.00074**	**-.00006**	**.00863**	**49.255**
Stddev	.00010	.082	.00388	.00044	.00010	.00006	.0047	.01119	.00012	.00027	.00005	.00072	.134
%RSD	2.8112	.16048	229.78	5.1172	10.416	75.822	.45287	16.979	298.76	36.872	79.604	8.2942	.27192
#1	.00336	51.020	-.00105	.00893	.00090	.00012	1.0302	.07382	-.00012	-.00055	-.00003	.00914	49.160
#2	.00349	50.904	.00443	.00831	.00105	.00004	1.0368	.05799	.00004	-.00093	-.00009	.00812	49.350
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18028**	**.00252**	**.09615**	**.00041**	**.00026**	**261.78**	**.00001**	**.00227**	**.00203**	**5.1042**	**.00024**	**.00372**	**.03461**
Stddev	.00375	.00055	.00420	.00001	.00015	.22	.00029	.00064	.00053	.0059	.00148	.00164	.01881
%RSD	2.0821	21.976	4.3655	1.9333	55.621	.08419	4333.2	28.193	25.941	.11531	616.09	44.178	54.335
#1	.18293	.00291	.09318	.00042	.00036	261.93	.00021	.00182	.00240	5.1083	.00128	.00488	.02132
#2	.17762	.00212	.09912	.00041	.00016	261.62	-.00020	.00272	.00166	5.1000	-.00080	.00256	.04791
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07408**	**-.00002**	**.00111**	**4.8615**	**-.00581**	**.00185**	**10.178**	**.00073**	**.00190**	**.01844**
Stddev	.04025	.00032	.00017	.0076	.00017	.00053	.032	.00009	.00084	.00245
%RSD	54.335	1876.4	14.894	.15599	2.9045	28.560	.31809	12.022	44.304	13.305
#1	.04561	.00021	.00123	4.8669	-.00593	.00223	10.155	.00080	.00131	.01670
#2	.10254	-.00024	.00099	4.8561	-.00569	.00148	10.201	.00067	.00250	.02017
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8040.1**	**100670.**	**8363.9**
Stddev	23.4	452.	63.2
%RSD	.29053	.44923	.75557
#1	8056.7	100350.	8319.2
#2	8023.6	100990.	8408.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 0:06:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50390**	**.51838**	**1.0095**	**.51413**	**.51036**	**.50232**	**.00253**	**5.0947**	**.51018**	**.51150**	**.50627**	**.51492**
Stddev	.00106	.00222	.0026	.00004	.00075	.00042	.00211	.0016	.00088	.00013	.00024	.00118
%RSD	.21020	.42747	.25692	.00800	.14598	.08377	83.349	.03132	.17234	.02519	.04783	.22890
#1	.50315	.51995	1.0077	.51410	.50983	.50202	.00402	5.0936	.50956	.51159	.50610	.51409
#2	.50465	.51681	1.0113	.51416	.51088	.50262	.00104	5.0958	.51080	.51141	.50644	.51575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4330**	**52.178**	**1.0184**	**19.947**	**.50608**	**.51347**	W **5.5028**	**.51244**	**1.0140**	**1.0410**	**.01806**	**1.0333**
Stddev	.0227	.037	.0045	.036	.00035	.00421	.0196	.00045	.0053	.0076	.00086	.0041
%RSD	.93237	.07029	.43977	.18052	.06954	.82000	.35595	.08785	.51884	.72733	4.7616	.39731
#1	2.4491	52.152	1.0152	19.972	.50633	.51049	5.5166	.51212	1.0103	1.0356	.01745	1.0304
#2	2.4170	52.204	1.0215	19.921	.50583	.51644	5.4889	.51276	1.0178	1.0463	.01867	1.0362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0171**	**4.9945**	**10.688**	**1.0256**	**.50700**	**-.00231**	**.50884**	**1.0420**	**-.02397**	**.51195**	**.50761**	**.50496**
Stddev	.0024	.0444	.095	.0025	.00045	.00232	.00082	.0022	.02733	.00125	.00031	.00117
%RSD	.23594	.88826	.88826	.24715	.08902	100.16	.16030	.20862	113.98	.24353	.06129	.23230
#1	1.0187	5.0259	10.755	1.0238	.50669	-.00395	.50941	1.0404	-.00465	.51284	.50783	.50579
#2	1.0154	4.9632	10.621	1.0274	.50732	-.00067	.50826	1.0435	-.04330	.51107	.50739	.50413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.2**	**103630.**	**8433.7**
Stddev	14.0	316.	29.3
%RSD	.17121	.30502	.34755
#1	8205.1	103410.	8413.0
#2	8185.3	103860.	8454.4

Sample Name: CCB Acquired: 11/9/2013 0:08:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00229**	**-.00033**	**.00316**	**-.00001**	**.00018**	**.00111**	**.00579**	**.00012**	**-.00020**	**.00009**	**.00021**
Stddev	.00026	.00033	.00089	.00044	.00012	.00003	.00233	.00219	.00005	.00009	.00005	.00001
%RSD	57.978	14.597	268.64	14.022	989.45	14.080	210.10	37.870	41.352	44.802	55.014	4.2873
#1	.00063	.00205	-.00096	.00347	.00007	.00020	.00275	.00424	.00016	-.00026	.00013	.00020
#2	.00026	.00252	.00030	.00284	-.00010	.00016	-.00054	.00734	.00009	-.00014	.00006	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00392**	**.10060**	**.00238**	**.00547**	**.00006**	**.00064**	W **.09771**	**-.00005**	**-.00064**	**.00037**	**.01083**	F **.00730**
Stddev	.00203	.03586	.00220	.00107	.00001	.00028	.01460	.00008	.00034	.00070	.00290	.00102
%RSD	51.850	35.649	92.710	19.632	10.177	44.481	14.947	150.72	53.347	192.09	26.789	13.979
#1	.00536	.07524	.00394	.00623	.00006	.00084	.10804	.00000	-.00088	-.00013	.01289	.00658
#2	.00248	.12596	.00082	.00471	.00006	.00044	.08738	-.00010	-.00040	.00086	.00878	.00802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.01011**	**.02165**	**.00027**	**.00017**	**-.00039**	**.00034**	**.00048**	**.00036**	**-.00053**	**.00397**	**-.00026**
Stddev	.00148	.00088	.00188	.00022	.00005	.00131	.00045	.00057	.01848	.00033	.00009	.00057
%RSD	90.130	8.6659	8.6659	81.839	27.238	335.74	135.17	120.35	5174.6	61.289	2.3938	214.43
#1	.00269	.01073	.02297	.00011	.00020	-.00131	.00066	.00088	-.01271	-.00077	.00403	.00014
#2	.00060	.00949	.02032	.00043	.00014	.00053	.00001	.00007	.01342	-.00030	.00390	-.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8344.7**	**107620.**	**8491.1**
Stddev	23.5	352.	18.7
%RSD	.28197	.32709	.22035
#1	8328.0	107860.	8477.9
#2	8361.3	107370.	8504.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 0:10:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00989**	**.10745**	**.01574**	**.10129**	**.01034**	**.00106**	**.12535**	**.21669**	**.00573**	**.01049**	**.01068**	**.01576**	**.10301**	**3.1993**
Stddev	.00038	.00093	.00161	.00014	.00015	.00000	.00096	.00045	.00008	.00002	.00003	.00000	.00182	.0361
%RSD	3.8088	.86358	10.228	.14118	1.4102	.03270	.76704	.20834	1.4764	.21436	.26197	.02022	1.7682	1.1286
#1	.00962	.10679	.01688	.10119	.01023	.00106	.12603	.21701	.00579	.01050	.01070	.01576	.10172	3.1738
#2	.01015	.10810	.01460	.10139	.01044	.00106	.12467	.21637	.00567	.01047	.01066	.01576	.10430	3.2248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01214**	**.21112**	**.01033**	**.02072**	**1.1549**	**.04251**	**2.9539**	**.01015**	**.01408**	**.01001**	**.01553**	**.49172**	**1.0523**	**.10390**
Stddev	.00203	.00221	.00003	.00044	.0086	.00031	.0066	.00110	.00081	.00218	.00020	.01944	.0416	.00083
%RSD	16.736	1.0485	.33792	2.1318	.74555	.71841	.22521	10.827	5.7488	21.827	1.2785	3.9542	3.9542	.80043
#1	.01071	.20955	.01031	.02041	1.1488	.04229	2.9492	.01093	.01351	.00847	.01539	.47797	1.0229	.10449
#2	.01358	.21269	.01036	.02103	1.1609	.04272	2.9586	.00937	.01466	.01156	.01567	.50547	1.0817	.10331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.01514**	**.01013**	**.01769**	**.05788**	**.00946**	**.02534**	**.01557**
Stddev	.00002	.00159	.00000	.00109	.01388	.00004	.00013	.00007
%RSD	.22344	10.484	.02737	6.1853	23.980	.46629	.52156	.42368
#1	.01045	.01626	.01014	.01692	.04806	.00949	.02544	.01562
#2	.01041	.01401	.01013	.01847	.06769	.00943	.02525	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8368.4**	**107460.**	**8565.7**
Stddev	16.1	125.	50.6
%RSD	.19191	.11637	.59114
#1	8357.1	107550.	8529.9
#2	8379.8	107370.	8601.5

Sample Name: 280-48852-c-2-b Acquired: 11/9/2013 0:12:52 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.01415**	**.00103**	**.24305**	**.07549**	**.00009**	**.00024**	**90.032**	**.00080**	**.00018**
Stddev	.00068	.00330	.00157	.00017	.00021	.00002	.00300	.149	.00010	.00018
%RSD	190.13	23.300	152.67	.07171	.27438	16.545	1237.2	.16535	11.898	103.53
#1	-.00084	.01648	.00213	.24293	.07534	.00010	-.00188	90.137	.00087	.00031
#2	.00012	.01182	-.00008	.24318	.07564	.00008	.00237	89.926	.00073	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00418**	**.07949**	**8.5641**	**.02635**	**17.921**	**.09041**	**.00567**	**106.42**	**.00138**
Stddev	.00031	.00028	.00087	.0103	.00399	.002	.00002	.00002	.19	.00050
%RSD	69.759	6.7089	1.0964	.12063	15.124	.01101	.02169	.29609	.17570	35.927
#1	.00067	.00398	.08011	8.5714	.02917	17.922	.09042	.00566	106.55	.00173
#2	.00023	.00437	.07888	8.5568	.02353	17.920	.09039	.00568	106.29	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85319**	**.00027**	**56.454**	**.00068**	**.00256**	**5.9931**	**12.825**	**-.00072**	**.70819**	**.00056**
Stddev	.00033	.00209	.104	.00134	.00143	.0749	.160	.00010	.00110	.00133
%RSD	.03899	766.61	.18389	198.15	55.967	1.2501	1.2501	14.294	.15505	236.27
#1	.85295	.00175	56.381	.00162	.00357	6.0461	12.939	-.00064	.70741	.00151
#2	.85342	-.00121	56.527	-.00027	.00155	5.9402	12.712	-.00079	.70896	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00042**	**.00147**	**.00111**	**.02447**	**.00223**
Stddev	.00042	.00176	.01339	.00019	.00028	.00074
%RSD	452.98	418.02	910.83	17.565	1.1434	32.921
#1	-.00039	.00166	.01094	.00125	.02467	.00275
#2	.00020	-.00082	-.00800	.00097	.02428	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8000.6**	**102280.**	**8566.7**
Stddev	17.1	36.	121.0
%RSD	.21370	.03515	1.4126
#1	7988.5	102310.	8481.2
#2	8012.7	102260.	8652.3

Sample Name: 280-48852-c-3-b Acquired: 11/9/2013 0:15:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01585**	**.00066**	**.21904**	**.05991**	**.00020**	**-.00155**	**81.912**	**.00070**	**.00000**
Stddev	.00011	.00022	.00075	.00004	.00022	.00002	.00160	.175	.00015	.00004
%RSD	67.088	1.3783	113.01	.01796	.36802	11.136	103.64	.21344	21.852	11856.
#1	-.00024	.01569	.00013	.21906	.05975	.00021	-.00268	81.788	.00059	.00003
#2	-.00009	.01600	.00119	.21901	.06006	.00018	-.00041	82.036	.00081	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00483**	**.09356**	**9.5115**	**.02862**	**17.420**	**.10022**	**.00841**	**102.57**	**.00193**
Stddev	.00021	.00022	.00082	.0042	.00004	.059	.00021	.00020	.03	.00021
%RSD	51.359	4.5495	.88084	.04428	.13177	.33595	.20633	2.4080	.03408	10.672
#1	.00026	.00498	.09297	9.5145	.02865	17.461	.10037	.00855	102.55	.00179
#2	.00056	.00467	.09414	9.5085	.02860	17.378	.10007	.00826	102.59	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1791**	**.00214**	**53.829**	**.00073**	**.00259**	**5.2096**	**11.148**	**-.00051**	**.63695**	**-.00007**
Stddev	.0047	.00005	.081	.00007	.00219	.0155	.033	.00068	.00239	.00110
%RSD	.40010	2.3569	.14990	9.0768	84.490	.29821	.29821	132.68	.37470	1674.4
#1	1.1824	.00211	53.772	.00068	.00104	5.2206	11.172	-.00003	.63526	-.00084
#2	1.1757	.00218	53.887	.00078	.00414	5.1986	11.125	-.00099	.63864	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00041**	**.02030**	**.00023**	**.03359**	**.00153**
Stddev	.00015	.00033	.06268	.00019	.00100	.00077
%RSD	96.802	79.053	308.72	83.628	2.9758	50.256
#1	.00005	.00018	.06462	.00037	.03430	.00208
#2	.00027	.00064	-.02402	.00010	.03288	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8031.2**	**102440.**	**8561.4**
Stddev	15.2	542.	23.2
%RSD	.18912	.52886	.27133
#1	8020.4	102050.	8577.9
#2	8041.9	102820.	8545.0

Sample Name: 280-48852-c-4-b Acquired: 11/9/2013 0:17:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00754**	**.00034**	**.19695**	**.06031**	**.00003**	**.00123**	**83.509**	**.00049**	**-.00006**
Stddev	.00026	.00001	.00121	.00088	.00019	.00004	.00278	.014	.00009	.00005
%RSD	455.55	.07212	361.01	.44894	.31742	125.89	226.12	.01627	17.523	83.286
#1	-.00013	.00753	.00119	.19633	.06044	.00000	.00319	83.499	.00055	-.00009
#2	.00024	.00754	-.00052	.19758	.06017	.00006	-.00074	83.519	.00043	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00560**	**.10671**	**9.7355**	**.02593**	**18.215**	**.14421**	**.00390**	**99.203**	**.00174**
Stddev	.00008	.00005	.00028	.0631	.00008	.001	.00009	.00005	.541	.00011
%RSD	27.467	.80757	.26059	.64845	.31861	.00334	.06312	1.2770	.54540	6.0863
#1	.00024	.00563	.10691	9.6909	.02587	18.215	.14427	.00394	98.820	.00181
#2	.00035	.00556	.10651	9.7802	.02599	18.214	.14415	.00387	99.585	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1379**	**.00118**	**54.041**	**-.00122**	**.00447**	**5.2290**	**11.190**	**-.00025**	**.67484**	**-.00042**
Stddev	.0115	.00100	.123	.00012	.00166	.0156	.033	.00064	.00096	.00037
%RSD	1.0125	84.766	.22688	9.6360	37.175	.29753	.29753	260.15	.14233	88.263
#1	1.1297	.00188	53.955	-.00130	.00330	5.2180	11.167	-.00070	.67416	-.00016
#2	1.1460	.00047	54.128	-.00113	.00565	5.2400	11.214	.00021	.67552	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00003**	**.04830**	**.00051**	**.02302**	**.00142**
Stddev	.00024	.00028	.01095	.00027	.00007	.00013
%RSD	106.09	1072.2	22.678	51.609	.31293	9.3764
#1	.00040	.00017	.05605	.00033	.02307	.00132
#2	.00006	-.00023	.04056	.00070	.02297	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8050.0**	**102500.**	**8666.9**
Stddev	6.0	23.	30.9
%RSD	.07502	.02254	.35707
#1	8045.7	102490.	8688.8
#2	8054.3	102520.	8645.0

Sample Name: 280-48852-c-5-b Acquired: 11/9/2013 0:19:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00808**	**-.00085**	**.16361**	**.08784**	**.00013**	**-.00054**	**102.21**	**.00039**	**.00006**
Stddev	.00042	.00038	.00064	.00025	.00150	.00001	.00124	.22	.00006	.00025
%RSD	77.242	4.7543	75.514	.15317	1.7023	5.0418	228.29	.21088	14.592	409.85
#1	-.00025	.00781	-.00040	.16343	.08890	.00013	.00033	102.36	.00043	.00024
#2	-.00084	.00835	-.00131	.16378	.08678	.00014	-.00142	102.05	.00035	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00272**	**.07254**	**6.2869**	**.03118**	**21.410**	**.26453**	**.00389**	**99.110**	**.00102**
Stddev	.00005	.00045	.00050	.0349	.00048	.009	.00008	.00007	.368	.00052
%RSD	11.999	16.429	.69598	.55562	1.5550	.04385	.02908	1.9240	.37107	50.803
#1	.00037	.00240	.07289	6.3116	.03084	21.417	.26459	.00394	99.370	.00065
#2	.00044	.00303	.07218	6.2622	.03152	21.404	.26448	.00383	98.850	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02740**	**.00044**	**56.465**	**-.00199**	**.00383**	**5.1785**	**11.082**	**-.00060**	**.84073**	**-.00090**
Stddev	.00052	.00070	.053	.00043	.00201	.0704	.151	.00113	.00231	.00023
%RSD	1.8803	161.11	.09425	21.580	52.500	1.3600	1.3600	187.92	.27516	26.049
#1	.02776	.00093	56.502	-.00230	.00525	5.2283	11.189	-.00140	.84237	-.00107
#2	.02703	-.00006	56.427	-.00169	.00241	5.1287	10.976	.00020	.83910	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00101**	**.00319**	**.00071**	**.01056**	**.00267**
Stddev	.00006	.00090	.00148	.00003	.00014	.00302
%RSD	34.662	89.139	46.413	4.0056	1.3713	113.17
#1	.00013	.00164	.00424	.00073	.01046	.00480
#2	.00022	.00037	.00214	.00069	.01066	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8000.3**	**102020.**	**8637.3**
Stddev	5.3	307.	39.6
%RSD	.06597	.30138	.45853
#1	7996.6	102240.	8609.3
#2	8004.0	101800.	8665.3

Sample Name: 280-48833-d-1-b Acquired: 11/9/2013 0:22:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**61.199**	**.01013**	**.00678**	**.01826**	**.01036**	**-.00953**	**347.79**	**.06455**	**.25158**
Stddev	.00072	.083	.00377	.00046	.00015	.00001	.00107	.64	.00019	.00020
%RSD	130.25	.13508	37.255	6.8199	.79760	.12189	11.245	.18289	.29036	.07986
#1	-.00004	61.141	.00746	.00711	.01816	.01037	-.00877	347.34	.06442	.25172
#2	-.00106	61.258	.01280	.00645	.01836	.01035	-.01029	348.24	.06468	.25144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00547**	W **13.131**	**83.093**	**4.3816**	**.03642**	**40.799**	W **14.916**	**-.00101**	**64.955**	**.27891**
Stddev	.00006	.019	.157	.0603	.00136	.198	.092	.00020	.503	.00008
%RSD	1.0737	.14632	.18930	1.3760	3.7427	.48622	.61473	19.922	.77464	.02912
#1	.00543	13.118	82.982	4.3390	.03546	40.659	14.981	-.00115	65.311	.27885
#2	.00552	13.145	83.204	4.4242	.03739	40.939	14.851	-.00087	64.599	.27896
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.01000					-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00684**	**.06198**	F **533.17**	**-.00171**	**.00217**	**15.589**	**33.360**	**.00013**	**1.1169**	**.00677**
Stddev	.00003	.00081	1.30	.00275	.00168	.077	.164	.00044	.0009	.00235
%RSD	.44623	1.3005	.24325	160.28	77.160	.49093	.49093	347.69	.08058	34.702
#1	.00686	.06255	532.25	-.00365	.00336	15.535	33.245	-.00018	1.1175	.00844
#2	.00682	.06141	534.08	.00023	.00099	15.643	33.476	.00044	1.1163	.00511
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00149**	F **-.21405**	**.00102**	**6.8921**	**.00076**
Stddev	.00016	.00142	.02367	.00036	.0186	.00059
%RSD	58.163	95.124	11.058	35.148	.26971	76.704
#1	-.00017	-.00250	-.23078	.00127	6.8789	.00118
#2	-.00040	-.00049	-.19731	.00076	6.9052	.00035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.2**	**105380.**	**9221.9**
Stddev	85.2	552.	72.4
%RSD	1.0055	.52367	.78552
#1	8414.9	105770.	9273.1
#2	8535.5	104990.	9170.7

Sample Name: 280-48833-d-2-b Acquired: 11/9/2013 0:24:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**1.5999**	**-.00427**	**.00871**	**.03376**	**.00004**	**.00149**	W **619.31**	**.00116**	**.00098**
Stddev	.00069	.0017	.00246	.00018	.00008	.00003	.00087	.47	.00012	.00014
%RSD	80.007	.10385	57.762	2.0963	.24863	74.835	58.473	.07665	10.303	14.055
#1	-.00135	1.5987	-.00252	.00884	.03370	.00002	.00087	619.65	.00108	.00089
#2	-.00037	1.6011	-.00601	.00858	.03382	.00006	.00210	618.97	.00125	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.01525**	**.01856**	**5.0597**	**.04136**	**20.000**	**1.2501**	**.00257**	**80.712**	**.00228**
Stddev	.00008	.00006	.00317	.0474	.00032	.026	.0011	.00006	.191	.00043
%RSD	47.029	.37566	17.076	.93617	.77866	.12921	.08780	2.3060	.23652	19.063
#1	.00023	.01521	.02080	5.0932	.04159	19.982	1.2509	.00261	80.847	.00258
#2	.00011	.01529	.01631	5.0262	.04114	20.019	1.2493	.00252	80.577	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**-.00097**	F **578.97**	**.00198**	**-.00196**	**.17339**	**.37105**	**-.00079**	**1.3336**	**.00018**
Stddev	.00130	.00003	.24	.00199	.00221	.00011	.00024	.00029	.0006	.00308
%RSD	82.002	2.7348	.04202	100.52	112.81	.06599	.06599	36.484	.04137	1699.8
#1	.00250	-.00095	578.80	.00057	-.00040	.17347	.37123	-.00099	1.3339	-.00200
#2	.00067	-.00099	579.15	.00338	-.00353	.17331	.37088	-.00058	1.3332	.00236
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00368**	**-.03987**	**.00019**	**.01637**	**.00221**
Stddev	.00017	.00080	.01045	.00042	.00075	.00212
%RSD	137.89	21.794	26.207	217.70	4.6109	95.709
#1	.00000	.00311	-.03248	-.00010	.01583	.00071
#2	.00024	.00425	-.04726	.00049	.01690	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7709.4**	**98286.**	**8578.9**
Stddev	9.4	442.	14.2
%RSD	.12149	.44933	.16604
#1	7702.8	98598.	8568.8
#2	7716.0	97973.	8589.0

Sample Name: 280-48833-d-3-b Acquired: 11/9/2013 0:27:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**2.3909**	W **2.7696**	**.00012**	**.00364**	**.02614**	**.00044**	**-.00093**	**74.992**	**.00329**
Stddev	.00045	.0075	.0035	.00024	.00007	.00022	.00002	.00217	.136	.00022
%RSD	3215.8	.31490	.12594	205.70	1.9110	.84746	4.6004	233.23	.18184	6.8351
#1	-.00034	2.3962	2.7721	.00029	.00359	.02599	.00043	.00060	75.088	.00313
#2	.00031	2.3856	2.7672	-.00005	.00369	.02630	.00045	-.00246	74.895	.00345
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01451**	**.00025**	**.36695**	**1.1041**	**1.7353**	**.00844**	**7.5624**	**1.3605**	**-.00006**	**8.4829**
Stddev	.00000	.00022	.00010	.0104	.0285	.00193	.0111	.0011	.00021	.0112
%RSD	.02919	87.489	.02608	.94583	1.6434	22.865	.14700	.08309	357.28	.13208
#1	.01451	.00010	.36688	1.1115	1.7554	.00707	7.5545	1.3597	.00009	8.4908
#2	.01451	.00041	.36702	1.0967	1.7151	.00980	7.5702	1.3613	-.00021	8.4750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02170**	**.00098**	**.00023**	**81.908**	**-.00052**	**.00084**	**8.1180**	**17.373**	**.00061**	**.30359**
Stddev	.00015	.00111	.00026	.058	.00078	.00172	.0951	.204	.00009	.00076
%RSD	.68349	113.19	112.31	.07131	148.31	203.23	1.1716	1.1716	14.330	.24940
#1	.02160	.00177	.00042	81.950	.00003	-.00037	8.1853	17.517	.00054	.30413
#2	.02181	.00020	.00005	81.867	-.00107	.00206	8.0508	17.229	.00067	.30306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00006**	**.00128**	**-.01616**	**-.00018**	**.53073**	**.00114**
Stddev	.00022	.00010	.00123	.00945	.00032	.00149	.00027
%RSD	21.145	183.99	96.471	58.484	174.76	.28132	23.233
#1	.00117	-.00013	.00215	-.02285	-.00041	.52968	.00096
#2	.00087	.00002	.00041	-.00948	.00004	.53179	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8548.4**	**109370.**	**9050.3**
Stddev	10.9	150.	16.9
%RSD	.12802	.13682	.18629
#1	8556.2	109470.	9062.2
#2	8540.7	109260.	9038.3

Sample Name: 280-48880-b-1-b Acquired: 11/9/2013 0:29:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.02374**	**.00075**	**.02992**	**.05765**	**.00005**	**-.00003**	**39.500**	**.00034**	**-.00018**
Stddev	.00011	.00089	.00145	.00067	.00061	.00006	.00562	.086	.00011	.00048
%RSD	45.093	3.7598	192.92	2.2270	1.0571	115.10	19752.	.21820	32.536	260.80
#1	.00016	.02437	-.00027	.02945	.05808	.00001	.00395	39.439	.00026	-.00052
#2	.00032	.02311	.00177	.03039	.05722	.00010	-.00400	39.561	.00042	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00148**	**.02453**	**2.9531**	**.01237**	**8.8555**	**.07629**	**.00851**	**25.575**	**.00095**
Stddev	.00001	.00015	.00158	.0634	.00027	.0227	.00028	.00002	.489	.00024
%RSD	1.9042	9.8152	6.4596	2.1478	2.1512	.25628	.36293	.21721	1.9124	24.817
#1	.00072	.00137	.02565	2.9082	.01218	8.8715	.07648	.00850	25.921	.00079
#2	.00074	.00158	.02341	2.9979	.01256	8.8394	.07609	.00852	25.229	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00830**	**.00026**	**18.857**	**-.00168**	**.00329**	**2.8879**	**6.1800**	**-.00045**	**.33003**	**-.00081**
Stddev	.00159	.00006	.001	.00092	.00199	.0199	.0425	.00081	.00096	.00121
%RSD	19.142	23.554	.00394	54.429	60.536	.68829	.68829	178.39	.28998	148.81
#1	.00718	.00022	18.857	-.00103	.00470	2.9019	6.2101	-.00103	.32935	-.00166
#2	.00942	.00031	18.858	-.00233	.00188	2.8738	6.1499	.00012	.33071	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00029**	**.01595**	**.00002**	**.00574**	**.00206**
Stddev	.00039	.00073	.02020	.00054	.00068	.00025
%RSD	58.262	249.38	126.67	2453.7	11.905	11.965
#1	.00039	-.00081	.03024	.00040	.00622	.00223
#2	.00093	.00022	.00166	-.00036	.00525	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8413.0**	**108650.**	**9062.9**
Stddev	5.4	675.	66.4
%RSD	.06435	.62167	.73274
#1	8416.8	108170.	9109.9
#2	8409.1	109120.	9016.0

Sample Name: 280-48880-b-2-b Acquired: 11/9/2013 0:31:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00625**	**.00065**	**.21241**	**.04513**	**.00008**	**-.00143**	**83.510**	**.00051**	**.00006**
Stddev	.00068	.00007	.00073	.00017	.00007	.00004	.00165	.006	.00005	.00025
%RSD	310.45	1.0633	112.40	.07967	.14782	49.077	115.12	.00742	9.1585	445.48
#1	-.00070	.00630	.00013	.21253	.04508	.00005	-.00027	83.515	.00047	-.00012
#2	.00026	.00620	.00116	.21229	.04518	.00010	-.00260	83.506	.00054	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.01042**	**.04156**	**17.270**	**.03336**	**18.330**	**.02324**	**.00610**	**141.67**	**.00164**
Stddev	.00019	.00001	.00016	.029	.00176	.051	.00015	.00003	.46	.00006
%RSD	48.701	.12806	.39214	.16893	5.2870	.27693	.65199	.46602	.32185	3.6235
#1	.00051	.01043	.04168	17.249	.03212	18.294	.02334	.00608	141.35	.00168
#2	.00025	.01041	.04145	17.290	.03461	18.366	.02313	.00612	141.99	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13174**	**.00026**	**55.181**	**.00062**	**.00350**	**2.1954**	**4.6981**	**.00049**	**.82203**	**.00013**
Stddev	.00263	.00033	.064	.00014	.00208	.0226	.0483	.00017	.00222	.00035
%RSD	1.9976	123.86	.11571	23.238	59.412	1.0286	1.0286	35.660	.27005	272.38
#1	.13360	.00003	55.136	.00072	.00203	2.2114	4.7323	.00036	.82046	.00038
#2	.12988	.00049	55.226	.00052	.00498	2.1794	4.6640	.00061	.82360	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00071**	**-.02901**	**.00014**	**.04595**	**.00098**
Stddev	.00005	.00028	.00874	.00006	.00029	.00140
%RSD	11.127	39.995	30.134	40.935	.63550	142.84
#1	.00043	-.00051	-.03520	.00018	.04575	.00197
#2	.00051	-.00091	-.02283	.00010	.04616	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8183.7**	**104610.**	**8996.4**
Stddev	29.5	361.	53.8
%RSD	.36055	.34557	.59785
#1	8162.9	104860.	8958.4
#2	8204.6	104350.	9034.4

Sample Name: 280-48880-b-3-b Acquired: 11/9/2013 0:34:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.01241**	**-.00252**	**.13886**	**.06489**	**.00017**	**.00138**	**70.400**	**.00069**	**.00026**
Stddev	.00028	.00026	.00082	.00010	.00095	.00001	.00204	.041	.00000	.00019
%RSD	175.16	2.1248	32.540	.07036	1.4586	8.4533	148.05	.05760	.02570	72.026
#1	.00036	.01222	-.00310	.13893	.06556	.00016	.00283	70.429	.00069	.00039
#2	-.00004	.01259	-.00194	.13879	.06422	.00018	-.00006	70.371	.00069	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00486**	**.03834**	**10.333**	**.02873**	**14.964**	**.10087**	**.00693**	**83.513**	**.00157**
Stddev	.00006	.00035	.00374	.006	.00064	.034	.00039	.00015	.369	.00012
%RSD	26.424	7.2114	9.7644	.05496	2.2419	.22524	.38704	2.1244	.44199	7.7471
#1	.00027	.00511	.04099	10.337	.02918	14.988	.10114	.00683	83.774	.00148
#2	.00018	.00461	.03569	10.329	.02827	14.940	.10059	.00704	83.252	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15682**	**.00125**	**39.578**	**-.00062**	**-.00033**	**3.2033**	**6.8551**	**-.00013**	**.67299**	**-.00225**
Stddev	.00205	.00063	.004	.00058	.00138	.0517	.1106	.00062	.00145	.00057
%RSD	1.3062	50.945	.01031	93.577	416.90	1.6129	1.6129	475.80	.21545	25.108
#1	.15827	.00169	39.575	-.00103	-.00131	3.2398	6.9332	.00031	.67402	-.00265
#2	.15537	.00080	39.581	-.00021	.00065	3.1668	6.7769	-.00057	.67197	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00038**	**.02572**	**.00061**	**.02224**	**.00205**
Stddev	.00006	.00046	.01778	.00067	.00012	.00127
%RSD	23.036	119.09	69.144	110.02	.55430	61.978
#1	.00031	.00006	.03829	.00108	.02215	.00115
#2	.00022	.00070	.01314	.00013	.02232	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8246.0**	**106350.**	**9024.5**
Stddev	3.3	176.	5.1
%RSD	.04040	.16522	.05705
#1	8243.7	106470.	9020.8
#2	8248.4	106220.	9028.1

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:36:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**50.904**	**.00231**	**.00579**	**-.00012**	**.00006**	**1.0487**	**.03942**	**.00005**	**-.00084**	**-.00012**	**.00861**	**49.408**
Stddev	.00036	.062	.00145	.00012	.00029	.00005	.0017	.00266	.00026	.00009	.00002	.00006	.181
%RSD	9.1145	.12154	62.995	2.0022	254.55	85.724	.16192	6.7361	553.93	11.320	17.717	.74125	.36734
#1	.00368	50.948	.00334	.00587	-.00032	.00002	1.0499	.04129	.00023	-.00090	-.00014	.00866	49.279
#2	.00419	50.861	.00128	.00571	.00009	.00009	1.0475	.03754	-.00014	-.00077	-.00011	.00857	49.536
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11133**	**.00061**	**.08496**	**.00060**	**-.00039**	**263.40**	**-.00011**	**.00086**	**.00147**	**5.1849**	**.00092**	**-.00196**	**.01652**
Stddev	.01861	.00160	.00317	.00006	.00026	.62	.00036	.00060	.00028	.0072	.00027	.00240	.00798
%RSD	16.720	260.52	3.7355	10.247	68.239	.23471	338.06	70.532	19.141	.13830	29.186	122.71	48.307
#1	.09817	.00174	.08721	.00064	-.00020	262.96	.00015	.00128	.00167	5.1798	.00073	-.00366	.01088
#2	.12449	-.00052	.08272	.00055	-.00057	263.83	-.00036	.00043	.00127	5.1900	.00111	-.00026	.02216
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03535**	**-.00046**	**.00054**	**4.8703**	**-.00591**	**.00157**	**10.207**	**.00076**	**.00198**	**.02329**
Stddev	.01708	.00111	.00001	.0147	.00003	.00017	.027	.00052	.00075	.00229
%RSD	48.307	238.25	1.5940	.30180	.47384	10.677	.26388	68.414	38.053	9.8423
#1	.02328	-.00125	.00053	4.8599	-.00589	.00169	10.226	.00039	.00251	.02167
#2	.04743	.00032	.00055	4.8806	-.00593	.00145	10.188	.00113	.00145	.02491
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8279.2**	**104850.**	**8845.2**
Stddev	5.7	680.	4.9
%RSD	.06894	.64847	.05556
#1	8275.2	105330.	8848.6
#2	8283.2	104370.	8841.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 0:38:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51227**	**.52291**	**1.0342**	**.52457**	**.51673**	**.51049**	**.00432**	**5.1472**	**.52000**	**.51875**	**.51456**	**.52580**	**2.4595**
Stddev	.00135	.00119	.0034	.00046	.00029	.00019	.00038	.0585	.00001	.00000	.00042	.00123	.0102
%RSD	.26286	.22712	.33258	.08807	.05709	.03761	8.8256	1.1367	.00180	.00011	.08117	.23360	.41511
#1	.51132	.52375	1.0318	.52490	.51653	.51063	.00459	5.1058	.52000	.51874	.51486	.52493	2.4523
#2	.51322	.52207	1.0367	.52425	.51694	.51036	.00405	5.1886	.51999	.51875	.51427	.52667	2.4668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.695**	**1.0314**	**20.048**	**.50952**	**.52335**	F **5.5773**	**.52069**	**1.0383**	**1.0560**	**.03712**	**1.0569**	**1.0393**	**4.9990**
Stddev	.059	.0025	.038	.00003	.00240	.0865	.00115	.0016	.0030	.00039	.0005	.0000	.0074
%RSD	.11118	.24226	.19023	.00537	.45905	1.5503	.22118	.15541	.28463	1.0417	.04632	.00343	.14769
#1	52.654	1.0296	20.075	.50950	.52166	5.5162	.52150	1.0372	1.0539	.03739	1.0572	1.0394	5.0042
#2	52.737	1.0332	20.021	.50954	.52505	5.6384	.51987	1.0395	1.0582	.03684	1.0565	1.0393	4.9938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.698**	**1.0394**	**.51402**	**-.00420**	**.51336**	**1.0585**	**.02178**	**.51738**	**.50831**	**.51501**
Stddev	.016	.0028	.00098	.00033	.00000	.0036	.02467	.00149	.00024	.00174
%RSD	.14769	.26641	.18989	7.8353	.00075	.33576	113.23	.28893	.04666	.33792
#1	10.709	1.0414	.51333	-.00397	.51336	1.0560	.03923	.51632	.50814	.51624
#2	10.687	1.0374	.51471	-.00444	.51337	1.0610	.00434	.51843	.50847	.51378
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8481.3**	**108310.**	**9021.0**
Stddev	22.6	273.	89.4
%RSD	.26616	.25174	.99133
#1	8465.4	108120.	9084.2
#2	8497.3	108500.	8957.7

Sample Name: CCB Acquired: 11/9/2013 0:40:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00235**	**-.00128**	**.00177**	**-.00009**	**.00009**	**.00391**	**.00892**	**.00021**	**-.00010**	**.00003**	**-.00004**	**.00530**
Stddev	.00031	.00011	.00292	.00053	.00014	.00001	.00077	.00151	.00018	.00006	.00002	.00043	.00190
%RSD	109.01	4.6118	227.77	30.139	156.30	10.749	19.834	16.896	83.575	58.709	58.512	1090.2	35.777
#1	-.00050	.00243	.00078	.00139	-.00019	.00010	.00445	.00785	.00009	-.00006	.00002	-.00035	.00664
#2	-.00006	.00227	-.00335	.00215	.00001	.00008	.00336	.00998	.00034	-.00015	.00004	.00027	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07797**	**.00192**	**.00300**	**.00010**	**.00038**	**.08175**	**.00012**	**-.00063**	**.00061**	**.03156**	F **.00741**	**.00293**	**.00400**
Stddev	.05192	.00084	.00040	.00001	.00009	.00043	.00004	.00033	.00144	.00426	.00249	.00051	.01144
%RSD	66.595	43.883	13.411	6.8576	24.103	.52179	37.148	52.053	234.77	13.488	33.663	17.545	286.35
#1	.11469	.00252	.00329	.00010	.00045	.08206	.00009	-.00040	.00163	.03457	.00565	.00329	-.00410
#2	.04125	.00133	.00272	.00009	.00032	.08145	.00015	-.00086	-.00040	.02855	.00918	.00257	.01209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00855**	**.00035**	**.00007**	**.00008**	**.00034**	**.00039**	**.01825**	**-.00011**	**.00430**	**.00001**
Stddev	.02449	.00029	.00002	.00196	.00003	.00073	.01193	.00035	.00028	.00067
%RSD	286.35	84.464	28.278	2457.9	8.2945	189.55	65.401	317.91	6.5905	4751.9
#1	-.00877	.00055	.00006	.00147	.00032	-.00013	.02669	.00014	.00410	.00049
#2	.02587	.00014	.00009	-.00131	.00036	.00091	.00981	-.00036	.00450	-.00046
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8560.4**	**110560.**	**8868.1**
Stddev	17.1	345.	13.2
%RSD	.19924	.31194	.14898
#1	8548.4	110310.	8858.8
#2	8572.5	110800.	8877.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 0:43:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01047**	**.10821**	**.01503**	**.10180**	**.01016**	**.00113**	**.12811**	**.21981**	**.00568**	**.01072**	**.01074**	**.01656**	**.10429**	**3.1561**
Stddev	.00022	.00034	.00219	.00052	.00021	.00004	.00069	.00166	.00001	.00009	.00009	.00050	.00112	.0099
%RSD	2.1061	.31413	14.538	.51556	2.0792	3.1115	.53782	.75363	.19638	.81571	.79539	3.0247	1.0715	.31438
#1	.01063	.10797	.01349	.10143	.01001	.00111	.12859	.22098	.00568	.01078	.01080	.01691	.10350	3.1491
#2	.01032	.10845	.01658	.10217	.01031	.00116	.12762	.21864	.00567	.01066	.01068	.01621	.10508	3.1631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**.20930**	**.01041**	**.02084**	**1.1379**	**.04250**	**2.9771**	**.01052**	**.02792**	**.01237**	**.01769**	**.50421**	**1.0790**	**.10463**
Stddev	.00295	.00320	.00005	.00000	.0277	.00015	.0016	.00022	.00282	.00001	.00151	.01858	.0398	.00002
%RSD	23.190	1.5309	.45997	.01575	2.4316	.35838	.05267	2.0488	10.088	.05795	8.5521	3.6849	3.6849	.01454
#1	.01063	.21157	.01045	.02084	1.1574	.04239	2.9782	.01068	.02991	.01237	.01876	.49107	1.0509	.10464
#2	.01480	.20704	.01038	.02084	1.1183	.04261	2.9760	.01037	.02593	.01236	.01662	.51735	1.1071	.10462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01051**	**.01539**	**.01014**	**.01586**	**.06264**	**.00969**	**.02482**	**.01769**
Stddev	.00002	.00203	.00001	.00047	.03853	.00025	.00019	.00021
%RSD	.22566	13.175	.12331	2.9742	61.513	2.5646	.78272	1.2013
#1	.01049	.01683	.01013	.01553	.03539	.00987	.02468	.01784
#2	.01053	.01396	.01015	.01620	.08988	.00952	.02496	.01754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8594.0**	**111080.**	**8984.1**
Stddev	27.4	315.	21.0
%RSD	.31918	.28318	.23386
#1	8574.6	110860.	8969.3
#2	8613.4	111310.	8999.0

Sample Name: mb 280-199566/1-a Acquired: 11/9/2013 0:45:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00355**	**.00263**	**.00157**	**-.00044**	**.00014**	**.00414**	**.01078**	**.00014**	**.00005**
Stddev	.00081	.00151	.00118	.00025	.00020	.00012	.00035	.00146	.00006	.00001
%RSD	4559.1	42.544	44.765	15.738	45.764	81.815	8.4381	13.575	42.375	27.428
#1	.00056	.00248	.00346	.00174	-.00059	.00022	.00389	.01182	.00010	.00006
#2	-.00059	.00462	.00180	.00140	-.00030	.00006	.00439	.00975	.00018	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00069**	**.00173**	**.02573**	**.00119**	**.00139**	**.00013**	**.00008**	**.05788**	**-.00004**
Stddev	.00004	.00015	.00037	.02133	.00072	.00003	.00003	.00013	.00927	.00031
%RSD	18.579	21.278	21.338	82.880	60.527	2.4546	24.698	153.65	16.023	680.39
#1	.00025	.00059	.00147	.04082	.00170	.00137	.00016	-.00001	.06444	-.00026
#2	.00019	.00080	.00200	.01065	.00068	.00142	.00011	.00018	.05132	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00037**	**.02872**	**.00027**	**.00041**	**.00423**	**.00905**	**-.00069**	**.00011**	**-.00060**
Stddev	.00146	.00134	.00054	.00146	.00062	.00386	.00827	.00054	.00003	.00063
%RSD	1150.6	366.88	1.8747	536.81	151.42	91.303	91.303	78.272	24.162	104.14
#1	.00116	-.00058	.02834	.00131	-.00003	.00696	.01490	-.00108	.00009	-.00105
#2	-.00090	.00132	.02910	-.00076	.00085	.00150	.00321	-.00031	.00013	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00035**	F **.08106**	**-.00031**	**.00311**	**.00197**
Stddev	.00001	.00044	.00378	.00052	.00001	.00165
%RSD	2.7821	127.49	4.6590	166.36	.16561	83.925
#1	.00022	.00066	.08373	.00005	.00311	.00313
#2	.00023	.00003	.07839	-.00067	.00311	.00080
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.06000			
Low Limit			-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8742.1**	**112890.**	**9165.9**
Stddev	10.7	374.	140.6
%RSD	.12223	.33088	1.5343
#1	8749.7	112630.	9265.3
#2	8734.6	113150.	9066.5

Sample Name: lcs 280-199566/2-a Acquired: 11/9/2013 0:47:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05009**	**1.9227**	**1.0298**	**1.0632**	**2.0453**	**.05018**	**2.3672**	**49.147**	**.10729**	**.49732**
Stddev	.00083	.0025	.0012	.0009	.0098	.00012	.0088	.119	.00024	.00001
%RSD	1.6490	.12958	.11938	.08484	.47730	.23598	.37012	.24233	.22106	.00259
#1	.05067	1.9209	1.0306	1.0626	2.0522	.05027	2.3734	49.232	.10745	.49733
#2	.04950	1.9244	1.0289	1.0638	2.0384	.05010	2.3610	49.063	.10712	.49731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20282**	**.26203**	**.95431**	**52.235**	**1.0153**	**49.401**	**.49673**	**1.0326**	**54.540**	**.50084**
Stddev	.00021	.00065	.00911	.215	.0068	.031	.00092	.0004	.040	.00082
%RSD	.10270	.24952	.95478	.41151	.66975	.06204	.18491	.03600	.07389	.16468
#1	.20297	.26157	.96075	52.387	1.0201	49.423	.49737	1.0329	54.568	.50142
#2	.20267	.26249	.94787	52.083	1.0105	49.380	.49608	1.0323	54.511	.50026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.494**	**.50014**	**.01299**	**.52468**	**2.1119**	**10.002**	**21.405**	**2.0437**	**1.0144**	**1.0112**
Stddev	.026	.00004	.00322	.00229	.0025	.047	.100	.0057	.0039	.0063
%RSD	.24418	.00798	24.810	.43599	.11856	.46905	.46905	.27849	.38393	.61825
#1	10.512	.50017	.01071	.52630	2.1137	9.9692	21.334	2.0396	1.0172	1.0156
#2	10.476	.50012	.01527	.52306	2.1102	10.036	21.476	2.0477	1.0117	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0219**	**1.9880**	**2.1508**	**.51280**	**.49260**	**.51764**
Stddev	.0012	.0012	.0112	.00063	.00084	.00272
%RSD	.11759	.05916	.52190	.12303	.17091	.52506
#1	1.0228	1.9872	2.1587	.51324	.49320	.51572
#2	1.0211	1.9888	2.1428	.51235	.49201	.51956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8420.6**	**107350.**	**9141.3**
Stddev	6.7	52.	22.9
%RSD	.08010	.04846	.24998
#1	8425.3	107320.	9125.1
#2	8415.8	107390.	9157.5

Sample Name: 280-48791-d-1-b Acquired: 11/9/2013 0:49:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.08589**	**.00137**	**1.4372**	**.04397**	**.00011**	**.00608**	**16.849**	**.00025**	**.00339**
Stddev	.00009	.00073	.00012	.0006	.00013	.00008	.00012	.012	.00002	.00018
%RSD	22.886	.85322	8.4774	.04462	.30443	70.959	1.9059	.07203	8.0017	5.2036
#1	-.00046	.08641	.00145	1.4367	.04407	.00005	.00616	16.857	.00024	.00327
#2	-.00033	.08538	.00129	1.4377	.04388	.00016	.00600	16.840	.00027	.00352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00327**	**.03830**	**5.2833**	**.05810**	**10.103**	**.68949**	**.00860**	W **758.20**	**.01191**
Stddev	.00001	.00007	.00020	.1449	.00268	.055	.00347	.00005	.32	.00014
%RSD	2.9235	2.2425	.53462	2.7425	4.6058	.54588	.50335	.61531	.04268	1.2115
#1	.00039	.00332	.03816	5.1809	.06000	10.064	.68704	.00856	758.43	.01181
#2	.00041	.00322	.03845	5.3858	.05621	10.142	.69194	.00864	757.97	.01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12284**	**.00084**	F **245.57**	**-.00126**	**-.00062**	**4.3702**	**9.3521**	**-.00050**	**1.2276**	**-.00289**
Stddev	.00227	.00141	.31	.00007	.00417	.0093	.0198	.00086	.0037	.00051
%RSD	1.8498	167.27	.12685	5.8379	674.74	.21192	.21192	171.47	.29825	17.683
#1	.12445	-.00015	245.35	-.00131	-.00356	4.3767	9.3661	-.00111	1.2250	-.00253
#2	.12124	.00184	245.79	-.00121	.00233	4.3636	9.3381	.00011	1.2302	-.00325
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00242**	**.02594**	**.00023**	**.00691**	**.00174**
Stddev	.00014	.00065	.01461	.00026	.00013	.00036
%RSD	19.978	26.972	56.310	112.45	1.8256	20.791
#1	.00082	.00288	.03627	.00041	.00700	.00200
#2	.00062	.00196	.01561	.00005	.00682	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7891.7**	**98072.**	**8761.3**
Stddev	6.3	655.	13.6
%RSD	.08019	.66745	.15472
#1	7896.1	98534.	8751.7
#2	7887.2	97609.	8770.9

Sample Name: 280-48791-d-1-bSD@5 Acquired: 11/9/2013 0:52:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.02885**	**.00002**	**.29181**	**.00861**	**.00013**	**.00189**	**3.3931**	**.00032**	**.00077**
Stddev	.00050	.00013	.00019	.00092	.00010	.00001	.00160	.0253	.00008	.00030
%RSD	655.61	.46324	851.22	.31682	1.1846	11.364	84.631	.74444	24.149	39.790
#1	.00027	.02895	-.00011	.29116	.00869	.00012	.00302	3.4110	.00026	.00098
#2	-.00043	.02876	.00016	.29247	.00854	.00014	.00076	3.3753	.00037	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00150**	**.02605**	**1.1178**	**.01404**	**2.0314**	**.13501**	**.00200**	**150.55**	**.00249**
Stddev	.00010	.00019	.00058	.0154	.00101	.0040	.00051	.00013	.35	.00021
%RSD	51.302	12.881	2.2158	1.3795	7.2068	.19629	.37994	6.4363	.23140	8.3424
#1	.00012	.00137	.02564	1.1288	.01476	2.0342	.13537	.00191	150.30	.00234
#2	.00026	.00164	.02646	1.1069	.01333	2.0286	.13465	.00209	150.79	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02297**	**.00086**	**46.530**	**-.00101**	**.00243**	**.83970**	**1.7970**	**.00227**	**.24337**	**-.00159**
Stddev	.00064	.00088	.095	.00014	.00056	.01828	.0391	.00105	.00063	.00059
%RSD	2.8038	102.54	.20449	13.866	22.869	2.1771	2.1771	46.253	.25723	36.989
#1	.02252	.00148	46.463	-.00111	.00282	.85263	1.8246	.00301	.24293	-.00117
#2	.02343	.00024	46.597	-.00091	.00203	.82678	1.7693	.00153	.24381	-.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00086**	**.01958**	**-.00003**	**.00841**	**.00143**
Stddev	.00067	.00036	.02133	.00040	.00005	.00030
%RSD	1025.5	41.619	108.94	1275.0	.64367	21.186
#1	-.00041	.00112	.03466	-.00031	.00845	.00121
#2	.00054	.00061	.00450	.00025	.00838	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8226.7**	**104620.**	**8884.5**
Stddev	1.9	38.	18.2
%RSD	.02351	.03626	.20439
#1	8225.3	104590.	8897.3
#2	8228.0	104650.	8871.6

Sample Name: 280-48791-d-1-c ms Acquired: 11/9/2013 0:54:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05050**	**1.9384**	**1.0556**	**2.4082**	**2.0928**	**.05013**	F **2.2523**	**66.171**	**.10624**	**.49471**
Stddev	.00028	.0000	.0003	.0023	.0024	.00026	.0065	.184	.00015	.00036
%RSD	.56412	.00170	.02357	.09580	.11363	.50998	.29046	.27801	.13707	.07210
#1	.05030	1.9384	1.0554	2.4099	2.0911	.04995	2.2569	66.041	.10634	.49446
#2	.05071	1.9384	1.0558	2.4066	2.0945	.05031	2.2477	66.301	.10614	.49496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19961**	**.25828**	**1.0101**	**60.009**	**1.0899**	**58.607**	**1.1826**	**1.0310**	W **814.40**	**.50569**
Stddev	.00036	.00082	.0053	.148	.0004	.183	.0008	.0031	1.28	.00097
%RSD	.18155	.31560	.52506	.24615	.03503	.31174	.07126	.29991	.15769	.19226
#1	.19986	.25886	1.0064	59.904	1.0901	58.737	1.1832	1.0332	813.49	.50501
#2	.19935	.25771	1.0139	60.113	1.0896	58.478	1.1820	1.0288	815.31	.50638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.987**	**.47642**	F **244.37**	**.51001**	**2.0796**	**14.494**	**31.017**	**1.9789**	**2.2562**	**1.0201**
Stddev	.020	.00038	.04	.00116	.0004	.011	.024	.0018	.0044	.0001
%RSD	.18203	.08047	.01443	.22723	.01674	.07598	.07598	.08896	.19665	.00613
#1	11.001	.47615	244.35	.51083	2.0798	14.486	31.001	1.9776	2.2531	1.0201
#2	10.973	.47669	244.40	.50919	2.0793	14.502	31.034	1.9801	2.2593	1.0202
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0288**	**1.7638**	**2.0730**	**.52394**	**.51828**	**.52467**
Stddev	.0011	.0039	.0162	.00065	.00143	.00171
%RSD	.10850	.22347	.78057	.12376	.27550	.32577
#1	1.0280	1.7666	2.0844	.52439	.51929	.52588
#2	1.0296	1.7610	2.0616	.52348	.51727	.52346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.0**	**98239.**	**8808.8**
Stddev	18.7	364.	45.0
%RSD	.23733	.37085	.51079
#1	7864.7	97981.	8840.6
#2	7891.2	98496.	8777.0

Sample Name: 280-48791-d-1-d msd Acquired: 11/9/2013 0:56:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04980**	**1.8952**	**1.0354**	**2.3629**	**2.0454**	**.04907**	F **2.2110**	**64.365**	**.10445**	**.48474**
Stddev	.00049	.0016	.0076	.0031	.0027	.00012	.0074	.008	.00030	.00051
%RSD	.97884	.08587	.73058	.13240	.13359	.23585	.33599	.01298	.28388	.10471
#1	.05015	1.8940	1.0407	2.3651	2.0434	.04899	2.2163	64.371	.10466	.48438
#2	.04946	1.8964	1.0300	2.3607	2.0473	.04916	2.2058	64.359	.10424	.48510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19618**	**.25474**	**.95788**	**58.743**	**1.0630**	**57.292**	**1.1573**	**1.0144**	W **792.02**	**.49510**
Stddev	.00032	.00122	.00141	.150	.0015	.257	.0047	.0015	.56	.00133
%RSD	.16363	.47903	.14765	.25512	.13961	.44929	.40824	.14739	.07108	.26791
#1	.19641	.25561	.95888	58.637	1.0619	57.474	1.1606	1.0134	791.62	.49604
#2	.19595	.25388	.95688	58.849	1.0640	57.110	1.1539	1.0155	792.42	.49416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.765**	**.46795**	F **238.56**	**.50052**	**2.0458**	**14.118**	**30.212**	**1.9509**	**2.1968**	**1.0012**
Stddev	.025	.00108	.62	.00241	.0004	.030	.064	.0010	.0013	.0049
%RSD	.23619	.23169	.26027	.48216	.02148	.21094	.21094	.04930	.06036	.48497
#1	10.782	.46719	239.00	.50222	2.0455	14.097	30.167	1.9502	2.1959	1.0047
#2	10.747	.46872	238.12	.49881	2.0461	14.139	30.257	1.9515	2.1977	.99781
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0144**	**1.7314**	**2.0231**	**.51356**	**.50609**	**.51296**
Stddev	.0042	.0010	.0101	.00176	.00247	.00379
%RSD	.41782	.05562	.49663	.34328	.48848	.73862
#1	1.0174	1.7321	2.0160	.51481	.50784	.51028
#2	1.0114	1.7308	2.0302	.51232	.50435	.51564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7889.0**	**99074.**	**8917.6**
Stddev	34.5	345.	10.1
%RSD	.43688	.34789	.11320
#1	7913.4	98831.	8924.7
#2	7864.6	99318.	8910.4

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:59:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**50.669**	**.00297**	**.01269**	**.00019**	**.00005**	**1.0474**	**.01571**	**.00007**	**-.00050**	**-.00005**	**.00913**
Stddev	.00041	.363	.00380	.00182	.00000	.00008	.0001	.00281	.00011	.00058	.00002	.00061
%RSD	9.9010	.71666	127.77	14.376	1.0251	157.91	.01364	17.893	160.28	114.65	30.728	6.6546
#1	.00383	50.413	.00566	.01398	.00019	.00011	1.0475	.01770	.00015	-.00009	-.00004	.00956
#2	.00440	50.926	.00029	.01140	.00019	-.00001	1.0473	.01372	-.00001	-.00091	-.00006	.00870
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.684**	**.33166**	**.00054**	**.08490**	**.00056**	**.00103**	**262.29**	**-.00025**	**.00717**	**.00169**	W **5.3371**	**.00143**
Stddev	.443	.06133	.00308	.00586	.00007	.00070	.99	.00005	.00739	.00016	.1692	.00197
%RSD	.89194	18.492	571.30	6.8976	13.051	68.168	.37669	21.811	102.94	9.4718	3.1706	137.60
#1	49.371	.37503	.00271	.08076	.00062	.00152	261.59	-.00021	.01240	.00158	5.4568	.00004
#2	49.998	.28829	-.00164	.08904	.00051	.00053	262.99	-.00028	.00195	.00181	5.2175	.00282
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**.02388**	**.05111**	**.00165**	**.00097**	**4.8398**	**-.00527**	**.00304**	**10.139**	**.00087**	**.00222**	**.02333**
Stddev	.00205	.00697	.01491	.00075	.00015	.0046	.00025	.00130	.006	.00036	.00010	.00154
%RSD	144.88	29.171	29.171	45.083	15.180	.09403	4.7828	42.747	.06018	41.462	4.5754	6.6100
#1	-.00286	.02881	.06165	.00218	.00107	4.8366	-.00510	.00395	10.143	.00061	.00229	.02224
#2	.00003	.01896	.04057	.00113	.00086	4.8431	-.00545	.00212	10.134	.00112	.00215	.02443
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8246.8**	**103950.**	**8825.4**
Stddev	19.0	15.	131.4
%RSD	.23039	.01489	1.4886
#1	8260.2	103940.	8918.3
#2	8233.4	103970.	8732.5

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:01:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50755**	**.51845**	**1.0343**	**.52795**	**.51515**	**.50839**	**.00365**	**5.1142**	**.51926**	**.51663**	**.51399**	**.51954**	**2.4470**
Stddev	.00458	.00019	.0046	.00117	.00116	.00271	.00067	.0276	.00127	.00061	.00015	.00461	.0021
%RSD	.90290	.03753	.44922	.22124	.22598	.53211	18.282	.53860	.24484	.11721	.02854	.88823	.08573
#1	.50431	.51859	1.0310	.52712	.51597	.51030	.00318	5.1337	.51837	.51620	.51409	.51628	2.4485
#2	.51079	.51831	1.0375	.52877	.51432	.50648	.00412	5.0947	.52016	.51706	.51388	.52280	2.4455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.707**	**1.0276**	**19.958**	**.50647**	**.52404**	F **5.6805**	**.51905**	**1.0388**	**1.0539**	**.05778**	**1.0598**	**1.0430**	**5.0395**
Stddev	.202	.0002	.237	.00447	.00273	.0275	.00017	.0089	.0091	.00046	.0013	.0015	.0059
%RSD	.38332	.02109	1.1850	.88177	.52040	.48481	.03346	.85619	.85965	.80079	.11965	.14133	.11796
#1	52.850	1.0275	19.791	.50331	.52212	5.7000	.51918	1.0325	1.0475	.05745	1.0607	1.0440	5.0353
#2	52.564	1.0278	20.126	.50963	.52597	5.6611	.51893	1.0451	1.0603	.05810	1.0589	1.0419	5.0437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.784**	**1.0423**	**.51241**	**-.00421**	**.50995**	**1.0555**	**.02198**	**.51378**	**.50618**	**.51206**
Stddev	.013	.0022	.00222	.00186	.00419	.0000	.02657	.00349	.00513	.00195
%RSD	.11796	.21503	.43404	44.095	.82180	.00163	120.90	.67973	1.0139	.38031
#1	10.776	1.0439	.51399	-.00552	.50698	1.0555	.04076	.51131	.50255	.51344
#2	10.793	1.0407	.51084	-.00290	.51291	1.0555	.00319	.51625	.50981	.51068
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8447.6**	**107330.**	**8907.7**
Stddev	39.6	198.	44.3
%RSD	.46864	.18456	.49757
#1	8419.7	107470.	8939.0
#2	8475.6	107190.	8876.3

Sample Name: CCB Acquired: 11/9/2013 1:03:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00173**	**.00184**	**.00399**	**.00007**	**.00029**	**.00212**	**.00136**	**.00003**	**-.00001**	**.00022**	**.00028**
Stddev	.00007	.00032	.00109	.00027	.00006	.00000	.00058	.00386	.00006	.00018	.00010	.00027
%RSD	13.063	18.293	58.980	6.6594	81.852	1.3219	27.154	283.29	225.46	1298.2	43.202	99.130
#1	.00048	.00196	.00261	.00380	.00011	.00029	.00253	.00410	.00007	.00012	.00029	.00008
#2	.00058	.00151	.00107	.00418	.00003	.00029	.00172	-.00137	-.00002	-.00014	.00015	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00501**	**.15762**	**.00233**	**.00321**	**.00008**	**.00057**	F **.21803**	**-.00035**	**.00051**	**.00135**	**.03895**	W **.00565**
Stddev	.00142	.01743	.00078	.00174	.00000	.00028	.02906	.00041	.00007	.00026	.00383	.00083
%RSD	28.267	11.056	33.626	54.249	.11906	49.925	13.327	116.93	14.282	19.170	9.8265	14.657
#1	.00602	.16994	.00288	.00444	.00008	.00077	.23858	-.00006	.00046	.00116	.04166	.00506
#2	.00401	.14529	.00178	.00198	.00008	.00037	.19749	-.00064	.00056	.00153	.03625	.00623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.01275**	**.02728**	**-.00054**	**.00011**	**-.00126**	**.00010**	**.00107**	**.02880**	**-.00045**	**.00400**	**.00104**
Stddev	.00123	.01347	.02883	.00054	.00008	.00016	.00001	.00075	.00464	.00010	.00038	.00011
%RSD	48.088	105.69	105.69	98.904	70.346	12.420	13.271	69.718	16.098	21.126	9.3793	10.432
#1	.00344	.00322	.00689	-.00092	.00017	-.00115	.00011	.00054	.03208	-.00052	.00373	.00111
#2	.00169	.02228	.04767	-.00016	.00006	-.00138	.00009	.00160	.02552	-.00038	.00426	.00096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8564.5**	**110730.**	**8895.2**
Stddev	5.5	102.	83.6
%RSD	.06373	.09170	.93999
#1	8560.7	110660.	8836.1
#2	8568.4	110800.	8954.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:05:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.11080**	**.01578**	**.10420**	**.01040**	**.00113**	F **.13064**	**.23074**	**.00565**	**.01081**	**.01076**	**.01615**	**.11339**
Stddev	.00019	.00032	.00089	.00006	.00020	.00006	.00074	.00012	.00008	.00018	.00007	.00018	.00122
%RSD	1.8629	.29011	5.6097	.05404	1.9266	5.1598	.56940	.05289	1.3800	1.6275	.64704	1.1111	1.0717
#1	.01017	.11058	.01516	.10424	.01026	.00109	.13117	.23083	.00571	.01069	.01071	.01628	.11253
#2	.01044	.11103	.01641	.10416	.01054	.00117	.13012	.23065	.00560	.01094	.01081	.01603	.11425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2814**	**.01236**	**.21010**	**.01056**	**.02082**	**1.2685**	**.04312**	**3.0127**	**.01036**	**.04220**	**.01036**	**.01790**	**.49909**
Stddev	.0171	.00021	.00184	.00009	.00013	.0030	.00058	.0029	.00057	.00010	.00046	.00030	.01848
%RSD	.52180	1.6744	.87811	.87258	.63587	.23907	1.3368	.09656	5.4522	.24489	4.3993	1.6540	3.7029
#1	3.2693	.01251	.20880	.01062	.02073	1.2663	.04271	3.0148	.01076	.04228	.01004	.01769	.48603
#2	3.2935	.01222	.21141	.01049	.02092	1.2706	.04352	3.0107	.00996	.04213	.01068	.01811	.51216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0681**	**.10636**	**.01059**	**.01620**	**.01049**	**.01620**	**.06535**	**.00960**	F **.02809**	**.01643**
Stddev	.0396	.00083	.00016	.00070	.00008	.00038	.02883	.00035	.00025	.00174
%RSD	3.7029	.77630	1.5032	4.3025	.76976	2.3717	44.119	3.6012	.89924	10.612
#1	1.0401	.10578	.01048	.01570	.01055	.01593	.08573	.00935	.02826	.01520
#2	1.0960	.10695	.01071	.01669	.01043	.01648	.04496	.00984	.02791	.01766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8599.8**	**111300.**	**9007.4**
Stddev	7.2	15.	9.9
%RSD	.08384	.01340	.10986
#1	8604.9	111310.	9014.4
#2	8594.7	111290.	9000.4

Sample Name: 280-48791-d-2-b Acquired: 11/9/2013 1:08:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00485**	**.00373**	**1.2295**	**.06939**	**.00011**	**.00055**	**139.07**	**.00110**	**.00862**
Stddev	.00004	.00020	.00281	.0032	.00063	.00007	.00231	.24	.00005	.00012
%RSD	27.450	4.0688	75.377	.25830	.90996	63.212	416.38	.17552	4.4832	1.3732
#1	-.00019	.00499	.00571	1.2272	.06983	.00016	-.00108	138.90	.00114	.00853
#2	-.00013	.00471	.00174	1.2317	.06894	.00006	.00219	139.24	.00107	.00870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00209**	**6.2863**	**8.0394**	**.03717**	**94.831**	**1.1036**	**.00262**	**250.16**	**.02088**
Stddev	.00009	.00002	.0267	.0104	.00194	.432	.0038	.00013	.38	.00020
%RSD	5.6351	1.0930	.42390	.12882	5.2198	.45587	.34146	5.0780	.15007	.94126
#1	.00147	.00208	6.2675	8.0320	.03580	94.525	1.1009	.00253	250.43	.02102
#2	.00160	.00211	6.3051	8.0467	.03855	95.136	1.1062	.00272	249.90	.02074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12064**	**.00008**	**92.419**	**.00061**	**.00023**	**10.214**	**21.857**	**-.00096**	W **5.7205**	**-.00142**
Stddev	.00234	.00045	.045	.00059	.00295	.019	.040	.00010	.0216	.00096
%RSD	1.9369	545.23	.04818	96.662	1301.7	.18259	.18259	10.610	.37781	67.901
#1	.11898	-.00023	92.451	.00103	-.00186	10.227	21.886	-.00089	5.7358	-.00074
#2	.12229	.00040	92.388	.00019	.00232	10.201	21.829	-.00104	5.7052	-.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00173**	**-.01129**	**.00038**	**.00447**	**.00378**
Stddev	.00013	.00082	.02115	.00105	.00016	.00002
%RSD	41.634	47.084	187.24	272.18	3.5710	.54676
#1	.00022	.00231	-.02625	.00112	.00436	.00379
#2	.00041	.00116	.00366	-.00036	.00458	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8014.3**	**102560.**	**9002.6**
Stddev	4.8	410.	16.0
%RSD	.05979	.40005	.17776
#1	8017.7	102850.	8991.3
#2	8010.9	102270.	9013.9

Sample Name: 280-48791-d-3-b Acquired: 11/9/2013 1:10:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00716**	**-.00229**	**.21033**	**.14162**	**.00010**	**.00393**	**150.64**	**.00091**	**-.00008**
Stddev	.00035	.00027	.00208	.00028	.00044	.00002	.00171	.25	.00005	.00001
%RSD	66.003	3.8394	90.766	.13182	.30888	20.420	43.517	.16442	5.5303	17.401
#1	-.00028	.00735	-.00082	.21052	.14193	.00011	.00272	150.82	.00095	-.00009
#2	-.00077	.00696	-.00376	.21013	.14131	.00009	.00513	150.47	.00087	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00175**	**.13096**	**4.4578**	**.04448**	**50.013**	**.00809**	**.00350**	**109.10**	**.00403**
Stddev	.00010	.00020	.00433	.0187	.00259	.031	.00005	.00004	.57	.00019
%RSD	27.235	11.261	3.3038	.42003	5.8229	.06162	.59361	1.2099	.52036	4.6794
#1	.00029	.00189	.12790	4.4710	.04631	50.035	.00812	.00347	109.51	.00416
#2	.00042	.00161	.13402	4.4446	.04265	49.991	.00805	.00353	108.70	.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01919**	**.00106**	**24.725**	**-.00107**	**.00038**	**10.711**	**22.921**	**-.00072**	**1.8403**	**-.00237**
Stddev	.00028	.00002	.056	.00107	.00576	.022	.047	.00005	.0076	.00088
%RSD	1.4356	1.7869	.22675	99.904	1523.0	.20461	.20461	7.1475	.41152	37.157
#1	.01939	.00107	24.685	-.00031	-.00369	10.695	22.888	-.00076	1.8457	-.00299
#2	.01900	.00105	24.764	-.00182	.00445	10.726	22.954	-.00069	1.8350	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00168**	**-.00575**	**-.00037**	**.00419**	**-.00009**
Stddev	.00041	.00160	.01886	.00011	.00054	.00212
%RSD	122.61	95.553	327.93	30.889	12.960	2475.5
#1	.00062	.00281	.00759	-.00029	.00381	.00141
#2	.00004	.00054	-.01909	-.00045	.00458	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8227.4**	**104880.**	**9127.2**
Stddev	13.5	62.	18.7
%RSD	.16378	.05898	.20504
#1	8237.0	104840.	9140.4
#2	8217.9	104920.	9114.0

Sample Name: 280-48791-d-4-b Acquired: 11/9/2013 1:13:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.30389**	**.00423**	**2.7636**	**.22649**	**.00011**	**-.00006**	**8.9809**	**.00025**	**.00380**
Stddev	.00020	.00191	.00041	.0072	.00104	.00006	.00144	.0283	.00018	.00015
%RSD	303.74	.62945	9.7597	.26133	.45827	55.368	2465.0	.31516	70.668	4.0476
#1	-.00021	.30524	.00453	2.7585	.22576	.00016	-.00108	8.9609	.00037	.00391
#2	.00008	.30254	.00394	2.7687	.22722	.00007	.00096	9.0009	.00012	.00369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00326**	**.55358**	**5.4785**	**.03491**	**3.7024**	**.12516**	**.02600**	W **911.97**	**.01670**
Stddev	.00002	.00016	.00660	.1240	.00068	.0112	.00024	.00007	5.13	.00003
%RSD	1.9578	4.9357	1.1925	2.2637	1.9586	.30185	.18897	.25373	.56253	.18703
#1	.00125	.00338	.54891	5.3908	.03443	3.6945	.12499	.02604	908.34	.01672
#2	.00129	.00315	.55824	5.5661	.03540	3.7103	.12532	.02595	915.59	.01668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51181**	**.00053**	**35.295**	**-.00126**	**.00243**	**7.7865**	**16.663**	**-.00080**	**.65321**	**-.00402**
Stddev	.00127	.00102	.017	.00185	.00440	.0621	.133	.00040	.00303	.00090
%RSD	.24883	193.62	.04709	147.10	181.12	.79731	.79731	49.959	.46379	22.299
#1	.51091	-.00019	35.283	-.00257	-.00068	7.7426	16.569	-.00052	.65107	-.00466
#2	.51271	.00124	35.307	.00005	.00554	7.8304	16.757	-.00108	.65535	-.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00693**	**.00172**	**.05057**	**.00114**	**.01024**	**.00323**
Stddev	.00016	.00023	.03100	.00050	.00008	.00290
%RSD	2.2905	13.334	61.296	43.942	.76611	89.757
#1	.00682	.00156	.07249	.00150	.01030	.00118
#2	.00704	.00189	.02865	.00079	.01019	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7912.6**	**98986.**	**9029.5**
Stddev	6.8	13.	36.0
%RSD	.08534	.01294	.39851
#1	7917.4	98977.	9004.0
#2	7907.8	98995.	9054.9

Sample Name: 280-48791-d-5-b Acquired: 11/9/2013 1:15:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.01429**	**.00172**	**1.4814**	**.16445**	**.00022**	**.00332**	**212.78**	**.00222**	**.00729**
Stddev	.00043	.00044	.00409	.0001	.00025	.00004	.00098	1.57	.00018	.00022
%RSD	87.617	3.0756	238.51	.00735	.15383	20.261	29.404	.73911	7.9715	3.0667
#1	-.00080	.01460	-.00118	1.4815	.16463	.00025	.00263	211.67	.00234	.00713
#2	-.00019	.01398	.00461	1.4813	.16428	.00019	.00401	213.89	.00209	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00532**	**.80011**	**9.6237**	**.02731**	**41.824**	**1.9332**	**.04516**	**71.407**	**.04904**
Stddev	.00021	.00030	.00540	.0114	.00041	.023	.0006	.00026	.054	.00028
%RSD	53.321	5.6847	.67525	.11865	1.4968	.05613	.03186	.57622	.07538	.56764
#1	.00025	.00511	.79629	9.6318	.02760	41.841	1.9336	.04498	71.445	.04884
#2	.00054	.00554	.80393	9.6156	.02702	41.808	1.9327	.04534	71.369	.04924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10162**	**.00228**	**90.968**	**-.00017**	**-.00159**	**7.7367**	**16.557**	**-.00012**	**1.7503**	**-.00095**
Stddev	.00002	.00162	.053	.00345	.00214	.0170	.036	.00068	.0012	.00100
%RSD	.01914	71.074	.05790	1999.0	134.32	.21979	.21979	592.62	.07080	104.84
#1	.10164	.00343	90.930	-.00261	-.00311	7.7247	16.531	.00037	1.7512	-.00025
#2	.10161	.00114	91.005	.00226	-.00008	7.7487	16.582	-.00060	1.7494	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00170**	**.00409**	**.00038**	**.02285**	**.00105**
Stddev	.00013	.00195	.02662	.00055	.00004	.00122
%RSD	40.004	114.91	650.74	146.30	.15975	115.89
#1	.00041	.00032	.02291	.00077	.02282	.00019
#2	.00023	.00308	-.01473	-.00001	.02287	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8062.4**	**103530.**	**9045.9**
Stddev	6.1	110.	1.8
%RSD	.07542	.10582	.01975
#1	8066.7	103450.	9047.1
#2	8058.1	103610.	9044.6

Sample Name: 280-48784-g-1-b Acquired: 11/9/2013 1:17:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.38877**	**.02233**	**4.9165**	**2.0709**	**.00006**	**-.00861**	**227.44**	**.00163**	**.00743**
Stddev	.00074	.00036	.00059	.0015	.0041	.00000	.00155	2.00	.00025	.00005
%RSD	171.91	.09205	2.6527	.02986	.19882	4.0733	17.936	.87733	15.632	.70803
#1	.00009	.38903	.02191	4.9176	2.0680	.00006	-.00971	226.02	.00145	.00747
#2	-.00096	.38852	.02275	4.9155	2.0738	.00007	-.00752	228.85	.00181	.00740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01307**	**.00925**	**20.287**	W **210.43**	**.13526**	**269.97**	**.47167**	**.00340**	W **964.25**	**.11223**
Stddev	.00009	.00038	.018	.61	.00141	.59	.00154	.00005	2.47	.00006
%RSD	.72119	4.1547	.08672	.28815	1.0391	.22028	.32639	1.4859	.25631	.05340
#1	.01314	.00952	20.300	210.01	.13427	270.39	.47059	.00344	962.50	.11218
#2	.01300	.00898	20.275	210.86	.13626	269.55	.47276	.00337	966.00	.11227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9425**	**.00141**	**13.674**	**.00397**	**.00127**	**11.782**	**25.213**	**.00259**	W **5.8788**	**-.00358**
Stddev	.0027	.00198	.151	.00131	.00310	.031	.066	.00086	.0064	.00010
%RSD	.09203	140.01	1.1019	33.006	244.24	.26068	.26068	33.365	.10950	2.8824
#1	2.9444	.00281	13.781	.00489	-.00092	11.760	25.166	.00320	5.8742	-.00351
#2	2.9406	.00001	13.568	.00304	.00346	11.803	25.259	.00198	5.8833	-.00365
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02219**	**.00149**	**.04130**	**.02534**	**.19426**	**.02910**
Stddev	.00009	.00019	.04174	.00048	.00214	.00020
%RSD	.38773	12.696	101.08	1.9041	1.0994	.68260
#1	.02225	.00162	.01178	.02500	.19577	.02924
#2	.02213	.00136	.07082	.02568	.19275	.02896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7494.0**	**94715.**	**8942.6**
Stddev	14.6	24.	3.5
%RSD	.19533	.02543	.03917
#1	7504.3	94698.	8945.1
#2	7483.6	94732.	8940.1

Sample Name: 280-48798-j-1-a Acquired: 11/9/2013 1:20:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.08254**	**.00211**	**2.2474**	**.03172**	**.00015**	F **.20885**	**58.519**	**-.00013**	**.00370**
Stddev	.00017	.00054	.00065	.0021	.00025	.00008	.00129	.142	.00005	.00015
%RSD	16.309	.65407	30.612	.09534	.80044	54.925	.61857	.24198	41.651	3.9840
#1	-.00092	.08292	.00165	2.2459	.03154	.00021	.20977	58.419	-.00017	.00380
#2	-.00115	.08216	.00256	2.2490	.03190	.00009	.20794	58.619	-.00009	.00359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32429**	**.13857**	**72.581**	F **694.04**	**.01214**	**4.7240**	**.34318**	**.01364**	W **1197.4**	**.13987**
Stddev	.00095	.00061	.908	.73	.00011	.0263	.00068	.00010	2.6	.00074
%RSD	.29422	.44206	1.2513	.10537	.93807	.55707	.19892	.71465	.21358	.52961
#1	.32497	.13813	71.939	693.53	.01222	4.7053	.34270	.01358	1195.6	.14040
#2	.32362	.13900	73.223	694.56	.01206	4.7426	.34366	.01371	1199.2	.13935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.282**	**.00370**	W **189.38**	**.00065**	**.00094**	**5.7205**	**12.242**	W **17.982**	**.17769**	**-.00024**
Stddev	.007	.00056	.12	.00068	.00200	.0156	.033	.008	.00028	.00063
%RSD	.05763	15.144	.06081	104.32	212.50	.27247	.27247	.04369	.15590	268.68
#1	12.277	.00409	189.47	.00017	-.00047	5.7095	12.218	17.977	.17750	-.00068
#2	12.287	.00330	189.30	.00113	.00235	5.7315	12.266	17.988	.17789	.00021
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02231**	**.00053**	**.00111**	**.00290**	**.15153**	**.00111**
Stddev	.00058	.00065	.03627	.00059	.00096	.00057
%RSD	2.6199	122.34	3264.1	20.223	.63280	50.957
#1	.02272	.00007	.02676	.00331	.15085	.00151
#2	.02190	.00099	-.02454	.00248	.15220	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7663.8**	**94653.**	**8733.1**
Stddev	11.8	178.	45.0
%RSD	.15349	.18792	.51571
#1	7655.5	94779.	8765.0
#2	7672.1	94527.	8701.3

Sample Name: CCVH-2357613 Acquired: 11/9/2013 1:23:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**50.083**	**.00352**	**.01504**	**.00010**	**.00008**	**1.0422**	**.02000**	**.00002**	**-.00065**	**-.00010**	**.00888**	**48.645**
Stddev	.00029	.049	.00215	.00039	.00026	.00011	.0014	.00203	.00014	.00001	.00005	.00057	.476
%RSD	7.7547	.09799	61.016	2.5967	266.95	138.13	.13773	10.160	911.21	1.2686	53.811	6.4039	.97907
#1	.00350	50.117	.00200	.01532	-.00009	.00000	1.0411	.02144	.00012	-.00065	-.00006	.00929	48.308
#2	.00391	50.048	.00505	.01476	.00028	.00016	1.0432	.01856	-.00008	-.00064	-.00013	.00848	48.982
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93836**	**.00237**	**.08449**	**.00046**	**-.00039**	**261.61**	**-.00001**	**.00495**	**.00135**	**5.1902**	**-.00181**	**-.00022**	**.01765**
Stddev	.10462	.00186	.00455	.00001	.00028	.30	.00025	.00006	.00001	.0019	.00255	.00162	.00832
%RSD	11.149	78.557	5.3832	2.4586	72.728	.11348	2232.6	1.2717	.84439	.03707	140.62	741.06	47.143
#1	1.0123	.00368	.08771	.00047	-.00059	261.82	.00016	.00499	.00135	5.1915	-.00001	-.00136	.01177
#2	.86438	.00105	.08128	.00046	-.00019	261.40	-.00019	.00490	.00136	5.1888	-.00361	.00093	.02354
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03778**	**.00158**	**.00057**	**4.8171**	**-.00573**	**.00087**	**10.064**	**.00017**	**.00253**	**.02454**
Stddev	.01781	.00019	.00002	.0006	.00044	.00111	.016	.00003	.00014	.00024
%RSD	47.143	11.984	3.5903	.01179	7.7298	128.68	.16214	17.707	5.5414	.99710
#1	.02518	.00171	.00055	4.8175	-.00604	.00165	10.075	.00019	.00263	.02471
#2	.05037	.00144	.00058	4.8167	-.00542	.00008	10.052	.00015	.00243	.02436
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8368.4**	**106350.**	**9024.5**
Stddev	8.6	218.	34.2
%RSD	.10290	.20495	.37876
#1	8374.5	106500.	9048.7
#2	8362.3	106200.	9000.3

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:25:43 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50335**	**.51124**	**1.0193**	**.52328**	**.51149**	**.50356**	**.00296**	**5.0498**	**.51346**	**.51025**	**.50666**	**.51596**	**2.4230**
Stddev	.00064	.00056	.0012	.00067	.00104	.00140	.00071	.0066	.00112	.00110	.00059	.00207	.0050
%RSD	.12787	.10876	.11629	.12831	.20358	.27891	24.131	.13102	.21743	.21651	.11578	.40039	.20725
#1	.50381	.51085	1.0201	.52281	.51075	.50455	.00346	5.0545	.51267	.50947	.50624	.51742	2.4194
#2	.50290	.51163	1.0184	.52376	.51222	.50257	.00245	5.0451	.51425	.51103	.50707	.51450	2.4265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.427**	**1.0197**	**19.660**	**.50063**	**.51827**	F **5.7461**	**.51222**	**1.0298**	**1.0441**	**.05164**	**1.0456**	**1.0277**	**4.9513**
Stddev	.152	.0010	.008	.00025	.00164	.0496	.00043	.0019	.0027	.00257	.0006	.0016	.0231
%RSD	.29039	.10112	.04246	.05079	.31601	.86340	.08482	.18478	.25347	4.9791	.05229	.15964	.46580
#1	52.535	1.0190	19.666	.50081	.51943	5.7812	.51191	1.0311	1.0460	.05345	1.0460	1.0289	4.9350
#2	52.320	1.0204	19.654	.50045	.51711	5.7110	.51253	1.0284	1.0422	.04982	1.0452	1.0266	4.9677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.596**	**1.0254**	**.50800**	**-.00338**	**.50583**	**1.0401**	**.03746**	**.51008**	**.49868**	**.51159**
Stddev	.049	.0022	.00016	.00049	.00124	.0004	.00028	.00001	.00205	.00091
%RSD	.46580	.21908	.03165	14.449	.24611	.03802	.74322	.00232	.41074	.17857
#1	10.561	1.0269	.50811	-.00303	.50671	1.0398	.03727	.51007	.49724	.51095
#2	10.631	1.0238	.50788	-.00372	.50495	1.0404	.03766	.51008	.50013	.51224
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8607.2**	**109680.**	**9088.6**
Stddev	31.8	365.	12.0
%RSD	.36949	.33255	.13214
#1	8629.7	109420.	9080.1
#2	8584.7	109940.	9097.1

Sample Name: CCB Acquired: 11/9/2013 1:27:52 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00429**	**.00111**	W **.00692**	**-.00017**	**.00023**	**.00332**	**.00856**	**.00026**	**-.00005**	**.00020**	**.00003**
Stddev	.00005	.00292	.00163	.00073	.00017	.00000	.00017	.00233	.00004	.00021	.00027	.00029
%RSD	10.786	68.014	147.47	10.563	96.969	1.1618	5.0639	27.222	14.357	429.18	135.38	856.44
#1	.00040	.00636	.00226	.00743	-.00029	.00023	.00344	.01021	.00029	-.00020	.00039	.00024
#2	.00046	.00223	-.00005	.00640	-.00005	.00023	.00320	.00691	.00023	.00010	.00001	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00754**	F **.31787**	**.00014**	**.00484**	**.00011**	**.00033**	F **.30603**	**-.00004**	**.00323**	**.00179**	**.05017**	W **.00622**
Stddev	.00016	.00950	.00109	.00053	.00001	.00002	.01519	.00031	.00193	.00074	.00951	.00180
%RSD	2.1433	2.9902	793.63	10.852	12.860	6.7130	4.9636	824.46	59.925	41.204	18.957	29.039
#1	.00743	.32459	.00090	.00447	.00012	.00034	.31678	.00018	.00459	.00127	.05690	.00494
#2	.00766	.31115	-.00063	.00522	.00010	.00031	.29529	-.00026	.00186	.00231	.04345	.00749
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		.25000					.18320					.00314
Low Limit		-.25000					-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**.01516**	**.03244**	**.00135**	**.00026**	**.00232**	**.00034**	**.00037**	**.00608**	**-.00066**	**.00383**	W **.00379**
Stddev	.00346	.01469	.03144	.00034	.00005	.00063	.00008	.00055	.00374	.00005	.00043	.00018
%RSD	147.07	96.927	96.927	25.281	19.188	27.142	22.005	149.13	61.519	8.2606	11.321	4.6533
#1	.00480	.02555	.05467	.00159	.00030	.00277	.00029	-.00002	.00344	-.00063	.00352	.00367
#2	-.00009	.00477	.01021	.00111	.00023	.00188	.00040	.00076	.00873	-.00070	.00413	.00392
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8640.1**	**112020.**	**9107.0**
Stddev	14.6	402.	72.9
%RSD	.16847	.35904	.80059
#1	8650.4	111730.	9158.6
#2	8629.8	112300.	9055.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:30:11 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10908**	**.01630**	**.10665**	**.01019**	**.00112**	**.12938**	**.22914**	**.00567**	**.01083**	**.01083**	**.01640**	**.10453**
Stddev	.00024	.00032	.00203	.00017	.00015	.00008	.00085	.00033	.00006	.00004	.00003	.00034	.00051
%RSD	2.2971	.29006	12.472	.15726	1.5069	7.0286	.65911	.14282	1.1294	.37171	.23130	2.0599	.48658
#1	.01017	.10886	.01774	.10653	.01008	.00107	.12877	.22891	.00562	.01080	.01081	.01616	.10489
#2	.01050	.10930	.01486	.10677	.01030	.00118	.12998	.22937	.00571	.01086	.01085	.01664	.10417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3924**	**.00951**	**.21131**	**.01056**	**.02101**	F **1.3257**	**.04321**	**3.0076**	**.01019**	**.03554**	**.01145**	**.01769**	**.50975**
Stddev	.0520	.00056	.00359	.00003	.00017	.0006	.00010	.0062	.00097	.00348	.00095	.00422	.00334
%RSD	1.5319	5.8821	1.6976	.32739	.82245	.04752	.23409	.20622	9.5466	9.7876	8.2943	23.829	.65454
#1	3.4292	.00990	.21385	.01053	.02113	1.3252	.04313	3.0120	.01088	.03308	.01078	.01471	.50739
#2	3.3557	.00911	.20877	.01058	.02089	1.3261	.04328	3.0032	.00950	.03800	.01212	.02067	.51211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0909**	**.10635**	**.01067**	**.01496**	**.01018**	**.01705**	F **.09502**	**.00971**	F **.02647**	**.01863**
Stddev	.0071	.00011	.00008	.00048	.00003	.00045	.00880	.00023	.00084	.00073
%RSD	.65454	.10267	.79532	3.1888	.30884	2.6458	9.2588	2.3655	3.1706	3.8944
#1	1.0858	.10642	.01061	.01462	.01020	.01673	.10125	.00987	.02706	.01914
#2	1.0959	.10627	.01073	.01530	.01015	.01737	.08880	.00955	.02587	.01812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8646.6**	**111750.**	**9084.6**
Stddev	1.5	362.	36.7
%RSD	.01711	.32433	.40405
#1	8647.7	111500.	9058.6
#2	8645.6	112010.	9110.5

Sample Name: mb 280-199987/1-a Acquired: 11/9/2013 1:32:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00468**	**.00106**	W **.00453**	**-.00014**	**.00010**	**.00234**	**.01195**	**.00038**	**-.00014**
Stddev	.00010	.00016	.00242	.00011	.00006	.00004	.00145	.00093	.00004	.00007
%RSD	109.05	3.4879	227.19	2.3807	40.225	34.755	61.788	7.7840	11.385	47.942
#1	-.00017	.00457	.00277	.00446	-.00018	.00013	.00336	.01261	.00035	-.00019
#2	-.00002	.00480	-.00064	.00461	-.00010	.00008	.00132	.01129	.00041	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00392						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00060**	W **.02758**	**.13611**	**.00101**	**.00440**	W **.00023**	**-.00010**	W **.20402**	**.00003**
Stddev	.00014	.00065	.00137	.03526	.00037	.00341	.00005	.00001	.00389	.00037
%RSD	72.601	108.76	4.9518	25.908	36.222	77.438	20.508	14.527	1.9089	1241.6
#1	.00029	.00014	.02855	.16105	.00127	.00681	.00027	-.00011	.20126	-.00023
#2	.00009	.00105	.02662	.11117	.00075	.00199	.00020	-.00009	.20677	.00029
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710				.00023		.05054	
Low Limit			-.05000				-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00119**	F **.04202**	**-.00101**	**.00077**	**.00809**	**.01731**	**-.00029**	**.00018**	W **.00049**
Stddev	.00223	.00009	.00075	.00093	.00261	.01122	.02401	.00036	.00000	.00029
%RSD	63.960	7.5624	1.7965	91.874	339.13	138.70	138.70	127.52	.93465	60.059
#1	.00191	.00112	.04255	-.00166	-.00108	.01602	.03429	-.00054	.00018	.00069
#2	.00507	.00125	.04149	-.00035	.00261	.00016	.00033	-.00003	.00018	.00028
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00094**	**-.00004**	**-.00064**	W **.00402**	**.00113**
Stddev	.00004	.00058	.01866	.00019	.00045	.00107
%RSD	25.434	62.337	48115.	30.128	11.229	94.473
#1	.00014	-.00052	.01316	-.00050	.00370	.00037
#2	.00020	-.00135	-.01324	-.00078	.00434	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.7**	**114010.**	**9156.8**
Stddev	9.3	338.	27.7
%RSD	.10650	.29604	.30224
#1	8775.3	113780.	9137.2
#2	8762.1	114250.	9176.4

Sample Name: lcs 280-199987/2-a Acquired: 11/9/2013 1:34:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04971	1.8989	1.0100	1.0237	2.0448	.04979	2.3398	49.061	.10542	.49307
Stddev	.00058	.0011	.0065	.0064	.0004	.00011	.0146	.053	.00042	.00044
%RSD	1.1747	.05641	.63926	.62473	.02145	.22610	.62355	.10903	.39371	.08965
#1	.04930	1.8996	1.0146	1.0282	2.0451	.04987	2.3501	49.098	.10571	.49339
#2	.05012	1.8981	1.0054	1.0192	2.0444	.04971	2.3295	49.023	.10512	.49276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20221	.25988	.96021	52.219	1.0128	48.595	.49323	1.0241	54.335	.49437
Stddev	.00147	.00036	.00198	.020	.0028	.009	.00062	.0003	.067	.00007
%RSD	.72879	.13904	.20575	.03867	.27744	.01776	.12483	.03209	.12251	.01457
#1	.20326	.25963	.95881	52.204	1.0148	48.589	.49279	1.0239	54.288	.49432
#2	.20117	.26014	.96161	52.233	1.0108	48.601	.49366	1.0243	54.382	.49442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.203	.49673	.02997	.51091	2.0153	9.9588	21.312	2.0146	1.0132	1.0078
Stddev	.027	.00557	.00013	.00372	.0024	.0377	.081	.0049	.0010	.0050
%RSD	.26615	1.1219	.44278	.72856	.11883	.37862	.37862	.24208	.10408	.49629
#1	10.184	.50067	.02987	.50827	2.0136	9.9321	21.255	2.0112	1.0140	1.0043
#2	10.223	.49279	.03006	.51354	2.0170	9.9854	21.369	2.0181	1.0125	1.0113
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0168	1.9551	2.1590	.50992	.48363	.51452
Stddev	.0012	.0033	.0262	.00324	.00098	.00133
%RSD	.11889	.16856	1.2119	.63544	.20283	.25921
#1	1.0159	1.9528	2.1775	.50763	.48432	.51546
#2	1.0176	1.9575	2.1405	.51221	.48293	.51357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8424.6	106870.	9055.2
Stddev	5.7	243.	40.2
%RSD	.06736	.22690	.44371
#1	8420.6	107050.	9026.8
#2	8428.6	106700.	9083.6

Sample Name: 280-48602-d-1-c Acquired: 11/9/2013 1:36:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.01098**	**.00011**	**.01650**	**.00816**	**.00014**	**-.00164**	**17.449**	**.00058**	**-.00029**
Stddev	.00007	.00022	.00010	.00066	.00006	.00009	.00005	.049	.00003	.00001
%RSD	17.864	1.9864	86.587	4.0225	.77111	62.712	2.8020	.27835	5.9391	2.3424
#1	-.00033	.01113	.00004	.01697	.00811	.00020	-.00167	17.414	.00055	-.00029
#2	-.00043	.01083	.00018	.01603	.00820	.00008	-.00161	17.483	.00060	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00047**	**.03935**	**1.8141**	**.00841**	**3.5462**	**.01285**	**.00114**	**8.8376**	**.00025**
Stddev	.00005	.00007	.00077	.0122	.00142	.0182	.00001	.00005	.0452	.00022
%RSD	11.655	15.424	1.9543	.67311	16.884	.51201	.09546	4.5443	.51169	88.315
#1	.00043	.00042	.03989	1.8227	.00741	3.5333	.01286	.00118	8.8056	.00009
#2	.00037	.00052	.03880	1.8055	.00942	3.5590	.01284	.00111	8.8695	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03838**	**.00062**	**2.2875**	**-.00224**	**.00408**	**13.815**	**29.564**	**.00074**	**.07951**	**.00088**
Stddev	.00071	.00085	.0012	.00210	.00081	.109	.234	.00093	.00025	.00239
%RSD	1.8513	137.11	.05182	94.018	19.746	.79227	.79227	126.89	.31509	270.68
#1	.03787	.00122	2.2866	-.00075	.00351	13.737	29.398	.00140	.07933	.00258
#2	.03888	.00002	2.2883	-.00372	.00465	13.892	29.729	.00008	.07968	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00214**	**.02478**	**.00103**	**.00575**	**.00142**
Stddev	.00016	.00018	.05039	.00001	.00003	.00085
%RSD	25.039	8.2998	203.37	.85946	.56204	59.831
#1	.00052	.00226	-.01086	.00103	.00577	.00082
#2	.00074	.00201	.06041	.00104	.00573	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8718.8**	**112250.**	**9207.7**
Stddev	8.6	435.	27.1
%RSD	.09908	.38769	.29439
#1	8712.7	112560.	9226.9
#2	8724.9	111950.	9188.5

Sample Name: 280-48602-d-1-cSD@5 Acquired: 11/9/2013 1:39:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01225**	**-.00037**	**.00692**	**.00349**	**.00038**	**-.00006**	**3.9905**	**.00034**	**-.00008**
Stddev	.00032	.00015	.00192	.00013	.00301	.00030	.00454	.2799	.00009	.00007
%RSD	106.75	1.2532	517.67	1.8309	86.252	79.004	7423.2	7.0150	24.935	82.359
#1	.00053	.01214	.00099	.00683	.00562	.00059	-.00327	4.1885	.00040	-.00013
#2	.00007	.01236	-.00173	.00701	.00136	.00017	.00315	3.7926	.00028	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00021**	**.06071**	**.64849**	**.00325**	**.77339**	**.00289**	**.00029**	**2.8108**	**.00005**
Stddev	.00009	.00024	.04911	.25859	.00096	.00126	.00002	.00012	1.1458	.00010
%RSD	36.956	110.63	80.896	39.877	29.385	.16267	.60966	42.676	40.764	191.82
#1	.00030	.00005	.09543	.83134	.00258	.77428	.00288	.00020	3.6210	.00013
#2	.00017	.00038	.02598	.46563	.00393	.77250	.00290	.00037	2.0006	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00945**	**.00032**	**.50311**	**-.00104**	**.00236**	**2.9280**	**6.2659**	**.00271**	**.02058**	**.00071**
Stddev	.00039	.00065	.00003	.00160	.00209	.0198	.0423	.00019	.00475	.00072
%RSD	4.0848	202.87	.00684	154.27	88.285	.67446	.67446	7.0458	23.083	102.51
#1	.00972	-.00014	.50313	-.00217	.00384	2.9419	6.2957	.00284	.02394	.00019
#2	.00918	.00078	.50309	.00009	.00089	2.9140	6.2360	.00257	.01722	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00002**	**-.01174**	**.00021**	**.00725**	**.00128**
Stddev	.00002	.00119	.01714	.00035	.00005	.00034
%RSD	6.4792	5059.4	145.95	166.73	.68359	26.740
#1	.00037	.00087	.00038	-.00004	.00722	.00104
#2	.00033	-.00082	-.02386	.00046	.00729	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8721.9**	**112750.**	**9181.8**
Stddev	11.2	185.	16.4
%RSD	.12811	.16386	.17899
#1	8714.0	112880.	9170.2
#2	8729.8	112620.	9193.4

Sample Name: 280-48602-d-1-d ms Acquired: 11/9/2013 1:41:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04847**	**1.8599**	**.99018**	**1.0126**	**2.0139**	**.04912**	F **2.2925**	**64.970**	**.10342**	**.48248**
Stddev	.00009	.0000	.00003	.0003	.0091	.00012	.0028	.027	.00015	.00021
%RSD	.18239	.00101	.00301	.02551	.45186	.24053	.12187	.04108	.14040	.04375
#1	.04840	1.8599	.99021	1.0125	2.0204	.04920	2.2905	64.989	.10353	.48263
#2	.04853	1.8599	.99016	1.0128	2.0075	.04903	2.2945	64.951	.10332	.48233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19837**	**.25507**	**.97499**	**52.937**	**1.0038**	**51.046**	**.49531**	**1.0111**	**62.035**	**.48608**
Stddev	.00025	.00102	.00321	.165	.0057	.104	.00041	.0003	.241	.00050
%RSD	.12574	.39943	.32877	.31231	.56458	.20348	.08185	.03369	.38831	.10284
#1	.19820	.25435	.97725	53.053	1.0078	51.119	.49560	1.0113	62.205	.48643
#2	.19855	.25579	.97272	52.820	.99976	50.972	.49503	1.0108	61.865	.48572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.042**	**.48259**	**2.2894**	**.49634**	**1.9561**	**23.514**	**50.319**	**1.9666**	**1.0721**	**.98641**
Stddev	.015	.00243	.0117	.00116	.0069	.046	.099	.0041	.0048	.00311
%RSD	.15054	.50363	.50948	.23417	.35167	.19601	.19601	.21012	.44710	.31501
#1	10.053	.48087	2.2976	.49552	1.9512	23.546	50.389	1.9637	1.0755	.98861
#2	10.031	.48430	2.2811	.49716	1.9610	23.481	50.250	1.9695	1.0687	.98422
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99716**	**1.8693**	**2.1558**	**.50351**	**.47510**	**.50670**
Stddev	.00184	.0010	.0280	.00031	.00040	.00251
%RSD	.18441	.05172	1.3003	.06193	.08452	.49524
#1	.99586	1.8700	2.1360	.50329	.47539	.50847
#2	.99846	1.8686	2.1756	.50373	.47482	.50492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.0**	**106580.**	**9146.7**
Stddev	13.2	84.	44.0
%RSD	.15813	.07899	.48155
#1	8360.4	106640.	9177.9
#2	8341.7	106520.	9115.6

Sample Name: 280-48602-d-1-e msd Acquired: 11/9/2013 1:43:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04959**	**1.8817**	**1.0020**	**1.0204**	**2.0424**	**.04974**	F **2.3036**	**65.751**	**.10419**	**.48741**
Stddev	.00027	.0028	.0041	.0008	.0060	.00002	.0033	.167	.00001	.00158
%RSD	.54324	.14662	.40507	.07714	.29254	.04227	.14345	.25343	.00570	.32452
#1	.04940	1.8836	1.0049	1.0210	2.0466	.04976	2.3059	65.869	.10419	.48853
#2	.04978	1.8797	.99918	1.0199	2.0382	.04973	2.3012	65.633	.10418	.48629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20051**	**.25807**	**.97091**	**53.887**	**1.0173**	**51.683**	**.50025**	**1.0196**	**63.109**	**.49075**
Stddev	.00011	.00074	.00025	.007	.0022	.115	.00048	.0016	.120	.00132
%RSD	.05566	.28654	.02538	.01287	.21726	.22271	.09548	.15798	.19079	.26913
#1	.20059	.25754	.97073	53.882	1.0157	51.764	.50059	1.0208	63.024	.49168
#2	.20043	.25859	.97108	53.892	1.0188	51.601	.49991	1.0185	63.194	.48981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.113**	**.48885**	**2.2708**	**.49899**	**1.9697**	**23.495**	**50.280**	**1.9847**	**1.0859**	**.99729**
Stddev	.003	.00082	.0026	.00271	.0014	.127	.272	.0007	.0019	.00269
%RSD	.03438	.16792	.11373	.54355	.06882	.54012	.54012	.03669	.17306	.27007
#1	10.115	.48943	2.2726	.49707	1.9706	23.405	50.088	1.9842	1.0872	.99538
#2	10.110	.48827	2.2690	.50091	1.9687	23.585	50.472	1.9852	1.0845	.99919
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0089**	**1.8845**	**2.1418**	**.50773**	**.48282**	**.50923**
Stddev	.0033	.0012	.0187	.00183	.00338	.00255
%RSD	.33128	.06353	.87263	.36037	.70013	.50150
#1	1.0112	1.8854	2.1550	.50903	.48521	.50742
#2	1.0065	1.8837	2.1286	.50644	.48043	.51103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8353.5**	**105980.**	**8993.8**
Stddev	16.1	1025.	29.5
%RSD	.19283	.96668	.32748
#1	8342.1	105250.	8973.0
#2	8364.9	106700.	9014.7

Sample Name: CCVH-2357613 Acquired: 11/9/2013 1:45:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**50.175**	**.00261**	**.00910**	**.00004**	**-.00004**	**1.0341**	**.01345**	**.00012**	**-.00077**	**-.00019**	**.00889**	**48.618**
Stddev	.00029	.080	.00006	.00035	.00006	.00014	.0045	.00466	.00007	.00008	.00010	.00003	.290
%RSD	6.7391	.15931	2.3306	3.8064	152.19	378.69	.43248	34.648	59.273	9.8595	53.338	.30750	.59712
#1	.00413	50.232	.00256	.00886	.00008	-.00013	1.0309	.01674	.00007	-.00082	-.00012	.00887	48.824
#2	.00455	50.119	.00265	.00935	.00000	.00006	1.0372	.01015	.00017	-.00072	-.00026	.00891	48.413
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20119**	**.00124**	**.08128**	**.00041**	**.00009**	**260.60**	**.00007**	**.00250**	**.00183**	**5.0865**	**.00114**	**.00017**	**.02583**
Stddev	.03151	.00098	.00617	.00008	.00005	.49	.00020	.00159	.00240	.0123	.00086	.00117	.01129
%RSD	15.662	78.720	7.5861	19.622	52.883	.18841	291.77	63.567	130.97	.24174	75.801	686.10	43.720
#1	.22347	.00194	.08564	.00046	.00006	260.95	-.00007	.00138	.00014	5.0778	.00175	.00100	.01784
#2	.17891	.00055	.07692	.00035	.00012	260.26	.00021	.00363	.00353	5.0952	.00053	-.00066	.03381
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05527**	**.00077**	**.00061**	**4.7707**	**-.00569**	**.00217**	**9.9996**	**-.00009**	**.00510**	**.02449**
Stddev	.02416	.00042	.00008	.0141	.00018	.00081	.0146	.00002	.00062	.00061
%RSD	43.720	54.700	12.337	.29454	3.2373	37.469	.14594	20.906	12.136	2.5055
#1	.03818	.00107	.00066	4.7807	-.00556	.00159	9.9892	-.00010	.00467	.02493
#2	.07236	.00047	.00056	4.7608	-.00582	.00274	10.010	-.00008	.00554	.02406
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8427.2**	**106280.**	**8855.0**
Stddev	7.3	14.	15.7
%RSD	.08711	.01276	.17728
#1	8432.4	106270.	8843.9
#2	8422.0	106290.	8866.1

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:48:12 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49660**	**.50305**	**1.0088**	**.51374**	**.50346**	**.49443**	**.00217**	**4.9585**	**.50702**	**.50302**	**.49934**	**.50900**	**2.3866**
Stddev	.00137	.00088	.0010	.00137	.00090	.00001	.00051	.0014	.00126	.00044	.00046	.00118	.0056
%RSD	.27586	.17502	.09492	.26754	.17778	.00169	23.668	.02909	.24829	.08686	.09229	.23209	.23313
#1	.49757	.50368	1.0095	.51471	.50409	.49443	.00254	4.9595	.50791	.50271	.49966	.50983	2.3906
#2	.49563	.50243	1.0081	.51277	.50282	.49444	.00181	4.9575	.50613	.50332	.49901	.50816	2.3827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.491**	**1.0030**	**19.394**	**.49187**	**.50883**	**5.3786**	**.50500**	**1.0095**	**1.0253**	**.01336**	**1.0289**	**1.0096**	**4.9247**
Stddev	.010	.0003	.008	.00123	.00208	.0195	.00127	.0035	.0038	.00207	.0072	.0017	.0178
%RSD	.01983	.02729	.04240	.25090	.40932	.36321	.25186	.34973	.36881	15.505	.69826	.16394	.36194
#1	51.498	1.0028	19.400	.49274	.50735	5.3924	.50590	1.0070	1.0226	.01482	1.0340	1.0108	4.9121
#2	51.484	1.0032	19.389	.49100	.51030	5.3648	.50410	1.0120	1.0280	.01189	1.0238	1.0085	4.9373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.539**	**1.0113**	**.49995**	**-.00278**	**.49660**	**1.0234**	**.03815**	**.50126**	**.49095**	**.50196**
Stddev	.038	.0036	.00104	.00282	.00124	.0055	.00415	.00068	.00115	.00006
%RSD	.36194	.35406	.20758	101.40	.25056	.53590	10.880	.13545	.23400	.01121
#1	10.512	1.0139	.50068	-.00079	.49748	1.0272	.03522	.50077	.49014	.50200
#2	10.566	1.0088	.49921	-.00478	.49572	1.0195	.04109	.50174	.49177	.50192
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8574.1**	**109270.**	**9016.2**
Stddev	17.6	11.	6.7
%RSD	.20537	.01001	.07465
#1	8561.6	109280.	9020.9
#2	8586.5	109260.	9011.4

Sample Name: CCB Acquired: 11/9/2013 1:50:22 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00194**	**.00096**	W **.00446**	**-.00009**	**.00015**	**.00464**	**.00368**	**.00040**	**-.00017**	**.00015**	**-.00012**
Stddev	.00069	.00024	.00199	.00022	.00016	.00003	.00419	.00336	.00009	.00011	.00010	.00013
%RSD	522.74	12.384	207.95	4.9019	169.63	18.969	90.290	91.298	22.583	62.116	70.497	108.28
#1	.00062	.00177	-.00045	.00431	-.00020	.00017	.00168	.00130	.00033	-.00010	.00022	-.00003
#2	-.00035	.00211	.00236	.00462	.00002	.00013	.00760	.00606	.00046	-.00025	.00007	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**.05386**	**.00126**	**.00454**	**.00004**	**.00043**	W **.09991**	**.00008**	**.00084**	**.00131**	**.01724**	W **.00468**
Stddev	.00003	.00813	.00013	.00016	.00002	.00001	.00604	.00002	.00197	.00021	.00182	.00000
%RSD	.82390	15.094	10.110	3.5383	43.832	2.0005	6.0466	29.886	233.78	15.932	10.527	.08782
#1	.00379	.05961	.00135	.00466	.00003	.00044	.09564	.00010	.00223	.00116	.01853	.00469
#2	.00374	.04811	.00117	.00443	.00005	.00043	.10418	.00006	-.00055	.00146	.01596	.00468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	**.01815**	**.03885**	**.00043**	**.00010**	**.00112**	**.00027**	**-.00004**	**.01419**	**-.00037**	**.00414**	**.00192**
Stddev	.00117	.02509	.05370	.00022	.00005	.00046	.00022	.00015	.01230	.00006	.00002	.00063
%RSD	45.768	138.22	138.22	51.543	55.019	41.202	83.426	385.75	86.683	16.169	.44124	32.553
#1	.00173	.00041	.00088	.00059	.00014	.00144	.00011	.00007	.02289	-.00033	.00415	.00148
#2	.00338	.03590	.07682	.00027	.00006	.00079	.00042	-.00015	.00549	-.00041	.00413	.00237
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8542.9**	**110590.**	**8854.7**
Stddev	13.4	116.	.3
%RSD	.15713	.10505	.00375
#1	8552.4	110510.	8854.5
#2	8533.4	110670.	8854.9

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:52:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.10542**	**.01569**	**.10350**	**.01005**	**.00113**	**.12426**	**.21620**	**.00550**	**.01039**	**.01043**	**.01603**	**.10374**
Stddev	.00033	.00007	.00154	.00094	.00011	.00001	.00123	.00288	.00009	.00012	.00024	.00013	.00066
%RSD	3.1761	.06389	9.8313	.90460	1.0794	.44274	.98948	1.3326	1.5614	1.1899	2.3009	.78502	.64089
#1	.01049	.10547	.01678	.10417	.00997	.00113	.12513	.21824	.00556	.01048	.01060	.01594	.10421
#2	.01003	.10537	.01460	.10284	.01012	.00114	.12339	.21416	.00544	.01031	.01026	.01612	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1913**	F **.01362**	**.20793**	**.01021**	**.02100**	**1.1720**	**.04203**	**2.9728**	**.00874**	**.01487**	**.01056**	**.01628**	**.50156**
Stddev	.0693	.00115	.00258	.00011	.00035	.0181	.00067	.0330	.00014	.00033	.00120	.00236	.00332
%RSD	2.1723	8.4551	1.2422	1.0527	1.6731	1.5440	1.5931	1.1115	1.6450	2.2098	11.350	14.509	.66102
#1	3.2403	.01443	.20975	.01029	.02125	1.1848	.04250	2.9961	.00884	.01510	.00972	.01795	.49922
#2	3.1423	.01280	.20610	.01014	.02075	1.1592	.04155	2.9494	.00864	.01463	.01141	.01461	.50391
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0733**	**.10501**	**.01041**	**.01576**	**.01024**	**.01638**	**.06750**	**.00965**	**.02571**	**.01726**
Stddev	.0071	.00095	.00007	.00184	.00034	.00113	.03405	.00027	.00022	.00094
%RSD	.66102	.90583	.67625	11.682	3.2886	6.8704	50.448	2.7945	.84247	5.4189
#1	1.0683	.10568	.01036	.01706	.01048	.01717	.04342	.00984	.02586	.01660
#2	1.0784	.10433	.01046	.01446	.01000	.01558	.09157	.00946	.02555	.01792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8606.3**	**111740.**	**8973.0**
Stddev	19.5	28.	78.4
%RSD	.22708	.02542	.87349
#1	8592.5	111720.	9028.4
#2	8620.1	111760.	8917.6

Sample Name: mb 280-199912/1-a Acquired: 11/9/2013 1:55:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00167**	**-.00174**	**.00307**	**-.00018**	**.00008**	**.00194**	**.00858**	**.00023**	**-.00020**
Stddev	.00027	.00008	.00035	.00043	.00001	.00012	.00338	.00038	.00008	.00001
%RSD	91.709	4.5711	20.297	14.105	2.9310	155.84	173.90	4.3807	35.087	5.3346
#1	.00048	.00172	-.00199	.00338	-.00017	-.00001	.00434	.00831	.00029	-.00020
#2	.00010	.00161	-.00149	.00277	-.00018	.00016	-.00045	.00884	.00017	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00046**	**.00601**	**.04288**	**.00178**	**.00212**	**.00009**	**.00018**	**.09925**	**-.00003**
Stddev	.00016	.00041	.00006	.00403	.00048	.00236	.00005	.00024	.00772	.00022
%RSD	67.255	88.583	.95909	9.3996	27.085	111.74	53.657	138.29	7.7814	794.73
#1	.00012	.00075	.00605	.04003	.00144	.00379	.00012	.00035	.10471	-.00018
#2	.00035	.00017	.00597	.04573	.00212	.00044	.00006	.00000	.09379	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00119**	**.01516**	**-.00114**	**.00141**	**.00927**	**.01984**	**-.00085**	**.00003**	**-.00080**
Stddev	.00131	.00075	.00224	.00030	.00015	.00835	.01787	.00067	.00007	.00110
%RSD	124.53	63.338	14.783	26.628	10.540	90.080	90.080	78.976	265.40	137.67
#1	.00013	.00066	.01674	-.00092	.00131	.01517	.03247	-.00133	.00008	-.00158
#2	.00198	.00172	.01357	-.00135	.00152	.00337	.00720	-.00038	-.00002	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00067**	**-.01308**	**-.00035**	**.00342**	**.00164**
Stddev	.00042	.00100	.02634	.00037	.00009	.00000
%RSD	397.19	150.00	201.33	105.54	2.6864	.24037
#1	.00040	-.00138	.00554	-.00061	.00336	.00164
#2	-.00019	.00004	-.03171	-.00009	.00349	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8695.2**	**113160.**	**9045.5**
Stddev	18.8	626.	80.0
%RSD	.21599	.55282	.88413
#1	8681.9	113600.	8988.9
#2	8708.4	112720.	9102.0

Sample Name: lcs 280-199912/2-a Acquired: 11/9/2013 1:57:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04917**	**1.9251**	**1.0081**	**1.0153**	**2.0537**	**.05035**	**2.3269**	**49.579**	**.10506**	**.49718**
Stddev	.00002	.0014	.0067	.0013	.0068	.00043	.0004	.231	.00004	.00084
%RSD	.04092	.07432	.66779	.12764	.33083	.84421	.01595	.46598	.03737	.16809
#1	.04915	1.9241	1.0033	1.0162	2.0585	.05065	2.3272	49.742	.10503	.49659
#2	.04918	1.9261	1.0128	1.0143	2.0489	.05005	2.3267	49.415	.10509	.49777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20394**	**.26061**	**.96123**	**52.744**	**1.0228**	**48.871**	**.49713**	**1.0377**	**54.926**	**.49838**
Stddev	.00055	.00019	.00143	.187	.0033	.103	.00047	.0007	.002	.00103
%RSD	.27013	.07384	.14914	.35510	.32388	.21018	.09457	.06854	.00374	.20724
#1	.20355	.26047	.96225	52.876	1.0251	48.798	.49680	1.0372	54.924	.49765
#2	.20433	.26074	.96022	52.612	1.0204	48.944	.49746	1.0382	54.927	.49911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.222**	**.49801**	**.01037**	**.51007**	**2.0031**	**10.143**	**21.706**	**2.0290**	**1.0213**	**1.0142**
Stddev	.015	.00057	.00010	.00024	.0037	.055	.118	.0008	.0030	.0022
%RSD	.14672	.11480	.98450	.04775	.18456	.54511	.54511	.03743	.28978	.21983
#1	10.211	.49760	.01030	.50990	2.0057	10.182	21.790	2.0284	1.0233	1.0126
#2	10.232	.49841	.01044	.51025	2.0005	10.104	21.623	2.0295	1.0192	1.0158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0260**	**1.9577**	**2.1814**	**.51649**	**.48817**	**.52211**
Stddev	.0001	.0005	.0443	.00029	.00064	.00011
%RSD	.01213	.02715	2.0297	.05661	.13183	.02030
#1	1.0259	1.9574	2.2127	.51669	.48772	.52218
#2	1.0260	1.9581	2.1501	.51628	.48863	.52203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8317.1**	**105850.**	**8895.7**
Stddev	12.3	117.	70.2
%RSD	.14741	.11040	.78957
#1	8325.7	105930.	8846.0
#2	8308.4	105770.	8945.4

Sample Name: 280-48729-b-1-b Acquired: 11/9/2013 1:59:29 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.02783**	**.00055**	**.04315**	**.03724**	**.00010**	**-.00049**	**225.27**	**.00293**	**.05672**
Stddev	.00043	.00021	.00370	.00043	.00023	.00004	.00009	3.36	.00006	.00056
%RSD	132.95	.73868	674.43	.99686	.61662	38.621	18.442	1.4922	2.0310	.97938
#1	-.00063	.02769	-.00207	.04284	.03707	.00013	-.00042	222.90	.00289	.05712
#2	-.00002	.02798	.00316	.04345	.03740	.00007	-.00055	227.65	.00297	.05633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01238**	**.47920**	**10.355**	**.01397**	**31.961**	**3.9331**	**.00396**	**18.002**	**.02507**
Stddev	.00004	.00025	.00163	.100	.00055	.092	.0445	.00013	.501	.00039
%RSD	13.491	1.9979	.33985	.96536	3.9130	.28812	1.1315	3.3165	2.7850	1.5394
#1	.00031	.01220	.47804	10.284	.01358	32.026	3.9646	.00386	17.647	.02535
#2	.00026	.01255	.48035	10.426	.01436	31.896	3.9017	.00405	18.356	.02480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00608**	**.00123**	F **221.82**	**.00090**	**.01181**	**5.3298**	**11.406**	**-.00067**	**.36491**	**-.00027**
Stddev	.00090	.00014	.19	.00071	.00195	.0381	.081	.00072	.00008	.00231
%RSD	14.850	11.144	.08393	79.236	16.512	.71422	.71422	106.67	.02206	843.39
#1	.00672	.00132	221.69	.00140	.01043	5.3029	11.348	-.00017	.36496	.00136
#2	.00544	.00113	221.95	.00040	.01319	5.3567	11.463	-.00118	.36485	-.00191
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00059**	**-.02409**	**.00033**	**.14045**	**.00290**
Stddev	.00004	.00040	.02084	.00001	.00025	.00031
%RSD	3.6873	68.075	86.500	1.9454	.17542	10.553
#1	.00100	.00087	-.03883	.00034	.14062	.00312
#2	.00095	.00030	-.00936	.00033	.14027	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8182.5**	**105380.**	**8997.3**
Stddev	40.6	198.	26.5
%RSD	.49662	.18792	.29453
#1	8153.7	105240.	9016.0
#2	8211.2	105520.	8978.5

Sample Name: 280-48729-b-1-bSD@5 Acquired: 11/9/2013 2:02:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.01786**	**.00000**	**.01088**	**.00811**	**.00010**	**.00028**	**47.692**	**.00096**	**.01205**
Stddev	.00042	.00025	.0029	.00037	.00014	.00002	.00255	.187	.00009	.00003
%RSD	534.64	1.3810	95224.	3.4013	1.6975	19.527	900.00	.39216	9.2152	.28571
#1	-.00022	.01768	-.00202	.01062	.00801	.00012	.00209	47.560	.00102	.01207
#2	.00037	.01803	.00201	.01114	.00821	.00009	-.00152	47.824	.00089	.01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00285**	**.11850**	**2.2506**	**.00285**	**6.8881**	**.85034**	**.00078**	**3.6603**	**.00513**
Stddev	.00004	.00038	.00026	.0362	.00006	.0115	.00154	.00019	.0166	.00021
%RSD	15.124	13.436	.21907	1.6063	2.1440	.16746	.18143	24.558	.45417	4.1737
#1	.00031	.00258	.11868	2.2251	.00281	6.8799	.84925	.00064	3.6485	.00497
#2	.00025	.00312	.11831	2.2762	.00290	6.8963	.85143	.00091	3.6720	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	**.00098**	**45.947**	**-.00136**	**.00381**	**1.1214**	**2.3999**	**.00227**	**.07822**	**.00128**
Stddev	.00105	.00190	.046	.00185	.00056	.0017	.0037	.00137	.00056	.00151
%RSD	28.552	193.38	.10089	136.27	14.625	.15475	.15475	60.208	.70997	117.33
#1	.00292	-.00036	45.914	-.00266	.00342	1.1202	2.3972	.00130	.07862	.00022
#2	.00440	.00232	45.979	-.00005	.00421	1.1227	2.4025	.00323	.07783	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00061**	**-.02115**	**-.00038**	**.03590**	**.00137**
Stddev	.00005	.00006	.03628	.00020	.00019	.00008
%RSD	14.118	10.469	171.52	52.699	.53522	5.7191
#1	.00042	.00066	.00450	-.00024	.03577	.00142
#2	.00034	.00057	-.04680	-.00052	.03604	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.5**	**109750.**	**9141.5**
Stddev	8.7	587.	28.3
%RSD	.10223	.53448	.30922
#1	8497.4	110160.	9161.5
#2	8509.7	109330.	9121.6

Sample Name: 280-48729-b-1-c ms Acquired: 11/9/2013 2:04:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**1.8838**	**1.0408**	**1.0611**	**2.1134**	**.04974**	F **2.3484**	**283.37**	**.10945**	**.54784**
Stddev	.00036	.0010	.0046	.0029	.0048	.00010	.0093	2.93	.00008	.00087
%RSD	.71923	.05129	.44490	.27076	.22666	.19956	.39458	1.0336	.07461	.15803
#1	.05042	1.8831	1.0375	1.0590	2.1100	.04967	2.3418	281.30	.10940	.54722
#2	.04991	1.8845	1.0441	1.0631	2.1168	.04981	2.3549	285.44	.10951	.54845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20493**	**.27590**	**1.4369**	**64.423**	**1.0551**	**81.716**	**4.5470**	**1.0492**	**74.049**	**.51696**
Stddev	.00044	.00109	.0040	.248	.0019	.020	.0185	.0037	.226	.00045
%RSD	.21517	.39659	.27990	.38537	.18451	.02501	.40676	.34999	.30490	.08653
#1	.20461	.27668	1.4341	64.247	1.0537	81.730	4.5601	1.0466	73.890	.51665
#2	.20524	.27513	1.4398	64.598	1.0565	81.701	4.5339	1.0518	74.209	.51728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.535**	**.48715**	F **233.00**	**.51566**	**2.0408**	**15.692**	**33.580**	**1.9984**	**1.4095**	**1.0109**
Stddev	.029	.00076	.24	.00185	.0096	.112	.241	.0004	.0026	.0065
%RSD	.27809	.15658	.10353	.35908	.46996	.71661	.71661	.01999	.18144	.64318
#1	10.515	.48661	232.83	.51697	2.0476	15.771	33.750	1.9987	1.4077	1.0155
#2	10.556	.48769	233.17	.51435	2.0340	15.612	33.410	1.9981	1.4113	1.0063
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0245**	**1.8699**	**2.1482**	**.51989**	**.62400**	**.51713**
Stddev	.0004	.0005	.0363	.00017	.00039	.00547
%RSD	.03960	.02692	1.6914	.03288	.06271	1.0585
#1	1.0248	1.8703	2.1225	.51977	.62372	.52100
#2	1.0242	1.8696	2.1739	.52001	.62428	.51326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.3**	**101800.**	**8879.3**
Stddev	14.7	385.	81.4
%RSD	.18560	.37830	.91704
#1	7924.9	102080.	8936.9
#2	7945.7	101530.	8821.7

Sample Name: 280-48729-b-1-d msd Acquired: 11/9/2013 2:06:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**1.8780**	**1.0431**	**1.0542**	**2.0967**	**.04904**	F **2.3409**	**276.52**	**.10935**	**.54580**
Stddev	.00061	.0017	.0001	.0009	.0007	.00003	.0019	1.97	.00024	.00004
%RSD	1.2192	.09213	.00643	.08594	.03399	.05598	.08177	.71313	.21944	.00673
#1	.04972	1.8768	1.0431	1.0549	2.0962	.04906	2.3422	277.92	.10918	.54582
#2	.05059	1.8792	1.0432	1.0536	2.0973	.04902	2.3395	275.13	.10952	.54577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20397**	**.27312**	**1.4253**	**63.875**	**1.0489**	**80.638**	**4.4907**	**1.0386**	**73.194**	**.51683**
Stddev	.00029	.00097	.0035	.029	.0000	.107	.0191	.0020	.112	.00099
%RSD	.13974	.35422	.24508	.04520	.00132	.13225	.42581	.19430	.15300	.19074
#1	.20417	.27244	1.4278	63.896	1.0489	80.563	4.5042	1.0400	73.273	.51753
#2	.20377	.27380	1.4228	63.855	1.0488	80.714	4.4771	1.0372	73.114	.51613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.531**	**.48747**	F **232.71**	**.51042**	**2.0472**	**15.406**	**32.970**	**1.9811**	**1.3961**	**1.0002**
Stddev	.012	.00015	.04	.00040	.0079	.115	.246	.0029	.0001	.0021
%RSD	.11307	.03001	.01597	.07762	.38427	.74504	.74504	.14470	.00366	.21133
#1	10.540	.48757	232.74	.51014	2.0528	15.488	33.143	1.9831	1.3961	.99873
#2	10.523	.48737	232.69	.51070	2.0417	15.325	32.796	1.9790	1.3961	1.0017
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0066**	**1.8631**	**2.1131**	**.51339**	**.61463**	**.50972**
Stddev	.0024	.0040	.0379	.00003	.00102	.00452
%RSD	.23883	.21508	1.7929	.00653	.16556	.88665
#1	1.0083	1.8659	2.1398	.51336	.61535	.51292
#2	1.0049	1.8602	2.0863	.51341	.61391	.50653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7945.9**	**102480.**	**8884.2**
Stddev	17.4	402.	7.1
%RSD	.21861	.39209	.07995
#1	7933.6	102200.	8879.1
#2	7958.2	102770.	8889.2

Sample Name: 280-48729-b-1-bPDS Acquired: 11/9/2013 2:08:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05114**	**1.0008**	**.21458**	**.14626**	**.14229**	**.05014**	**.00138**	**236.35**	**.05602**	**.10637**
Stddev	.00034	.0004	.00263	.00005	.00043	.00003	.00162	2.04	.00010	.00061
%RSD	.65762	.04268	1.2258	.03286	.30089	.05029	117.88	.86209	.18680	.57312
#1	.05090	1.0011	.21644	.14629	.14259	.05016	.00252	234.91	.05594	.10680
#2	.05138	1.0005	.21272	.14622	.14199	.05013	.00023	237.79	.05609	.10594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05276**	**.06519**	**1.4295**	**31.933**	**.12332**	**51.024**	**3.8957**	**.05713**	**40.228**	**.07539**
Stddev	.00027	.00042	.0081	.032	.00084	.046	.0150	.00015	.127	.00044
%RSD	.51778	.64392	.56497	.10081	.67848	.08942	.38516	.26575	.31608	.58832
#1	.05256	.06489	1.4238	31.910	.12391	50.992	3.9063	.05723	40.318	.07571
#2	.05295	.06548	1.4352	31.956	.12273	51.056	3.8851	.05702	40.139	.07508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1829**	**.10185**	F **221.17**	**.10694**	**.21883**	**10.312**	**22.068**	**.10191**	**.41384**	**.20283**
Stddev	.0077	.00034	.24	.00170	.00300	.008	.017	.00012	.00119	.00146
%RSD	.35381	.33307	.10882	1.5878	1.3690	.07856	.07856	.11501	.28663	.72159
#1	2.1775	.10209	221.00	.10814	.22095	10.306	22.055	.10183	.41300	.20179
#2	2.1884	.10161	221.34	.10574	.21672	10.318	22.080	.10200	.41468	.20386
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05265**	**.19698**	**.55206**	**.05264**	**.33547**	**.05410**
Stddev	.00039	.00134	.00287	.00011	.00106	.00129
%RSD	.74366	.68181	.51975	.20216	.31716	2.3862
#1	.05237	.19793	.55409	.05271	.33622	.05501
#2	.05293	.19603	.55003	.05256	.33472	.05318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.1**	**104460.**	**8968.8**
Stddev	7.3	297.	9.1
%RSD	.09054	.28434	.10129
#1	8105.2	104670.	8962.3
#2	8094.9	104250.	8975.2

Sample Name: 280-48532-e-17-b Acquired: 11/9/2013 2:11:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.04867**	**.00306**	**.00461**	**-.00013**	**.00015**	**.00359**	**.46324**	**.00037**	**.00017**
Stddev	.00069	.00133	.00015	.00020	.00020	.00001	.00060	.00814	.00012	.00012
%RSD	239.34	2.7262	4.8879	4.3379	150.07	8.6514	16.723	1.7581	33.018	70.558
#1	-.00020	.04773	.00295	.00447	.00001	.00016	.00317	.46899	.00045	.00008
#2	.00077	.04961	.00317	.00475	-.00027	.00014	.00401	.45748	.00028	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00042**	**.00915**	**.12924**	**.00189**	**.06893**	**.00795**	**.00038**	**.13420**	**.00003**
Stddev	.00002	.00014	.00145	.04046	.00189	.00062	.00001	.00014	.00695	.00002
%RSD	7.4965	33.311	15.845	31.307	99.669	.89822	.10131	36.662	5.1815	64.223
#1	.00026	.00032	.00812	.15785	.00323	.06937	.00794	.00028	.12929	.00001
#2	.00023	.00052	.01017	.10063	.00056	.06850	.00795	.00048	.13912	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00675**	**.00089**	**.53075**	**-.00181**	**.00424**	**.02166**	**.04635**	**-.00022**	**.00087**	**.00018**
Stddev	.00306	.00032	.09995	.00065	.00406	.01728	.03698	.00117	.00008	.00004
%RSD	45.341	35.621	18.832	35.841	95.807	79.788	79.788	529.41	9.7376	23.113
#1	.00459	.00111	.46008	-.00226	.00137	.03388	.07251	-.00105	.00081	.00021
#2	.00892	.00066	.60143	-.00135	.00711	.00944	.02020	.00061	.00093	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00011**	**.02267**	**-.00092**	**.00462**	**.00274**
Stddev	.00018	.00038	.02427	.00044	.00021	.00011
%RSD	64.078	336.57	107.06	47.554	4.6091	3.8360
#1	.00015	-.00016	.03983	-.00061	.00447	.00267
#2	.00040	.00038	.00551	-.00123	.00477	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8817.1**	**114880.**	**9290.0**
Stddev	16.7	217.	57.8
%RSD	.18893	.18901	.62241
#1	8828.9	115040.	9330.8
#2	8805.3	114730.	9249.1

Sample Name: CCVH-2357613 Acquired: 11/9/2013 2:13:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**50.226**	**-.00024**	**.00675**	**.00003**	**.00013**	**1.0488**	**.02190**	**.00003**	**-.00060**	**-.00008**	**.00919**	**48.909**
Stddev	.00063	.103	.00029	.00036	.00007	.00001	.0022	.00496	.00016	.00024	.00005	.00014	.484
%RSD	18.879	.20531	123.06	5.3912	217.46	7.7932	.20748	22.655	487.95	39.749	63.392	1.5140	.99057
#1	.00378	50.299	-.00045	.00649	-.00002	.00012	1.0473	.02541	.00015	-.00077	-.00011	.00929	49.252
#2	.00289	50.153	-.00003	.00701	.00009	.00013	1.0504	.01839	-.00008	-.00043	-.00004	.00909	48.567
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15251**	**.00101**	**.07866**	**.00059**	**-.00018**	**263.17**	**.00009**	**.00129**	**.00312**	**5.1748**	**.00016**	**.00094**	**.03615**
Stddev	.00516	.00091	.00057	.00002	.00015	.72	.00013	.00137	.00135	.0057	.00008	.00348	.00614
%RSD	3.3850	89.942	.71994	3.0453	83.448	.27191	137.06	106.34	43.218	.11117	48.818	369.58	16.988
#1	.14886	.00037	.07906	.00057	-.00007	263.67	.00000	.00032	.00216	5.1707	.00021	-.00152	.04049
#2	.15616	.00165	.07826	.00060	-.00028	262.66	.00018	.00226	.00407	5.1789	.00010	.00341	.03181
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07736**	**-.00109**	**.00044**	**4.8036**	**-.00610**	**.00202**	**10.131**	**.00012**	**.00245**	**.02357**
Stddev	.01314	.00039	.00003	.0158	.00006	.00008	.002	.00021	.00003	.00298
%RSD	16.988	35.693	7.3989	.32911	.95857	4.2004	.02075	175.70	1.2460	12.633
#1	.08665	-.00082	.00046	4.7925	-.00606	.00196	10.133	.00027	.00243	.02567
#2	.06807	-.00137	.00041	4.8148	-.00614	.00208	10.130	-.00003	.00247	.02146
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.9**	**107490.**	**9120.2**
Stddev	4.9	598.	1.4
%RSD	.05743	.55671	.01548
#1	8473.3	107910.	9119.2
#2	8466.5	107070.	9121.2

Sample Name: CCV-2357614 Acquired: 11/9/2013 2:16:04 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50097**	**.50754**	**1.0173**	**.51974**	**.50608**	**.49885**	**.00217**	**4.9916**	**.51285**	**.50685**	**.50305**	**.51406**	**2.3830**
Stddev	.00182	.00328	.0028	.00040	.00061	.00071	.00247	.0029	.00040	.00023	.00060	.00238	.0143
%RSD	.36338	.64681	.27591	.07617	.12048	.14330	113.97	.05844	.07769	.04514	.12024	.46325	.60171
#1	.49968	.50522	1.0193	.52002	.50651	.49936	.00392	4.9937	.51257	.50701	.50262	.51238	2.3728
#2	.50226	.50987	1.0153	.51946	.50565	.49835	.00042	4.9896	.51313	.50668	.50348	.51575	2.3931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.881**	**1.0122**	**19.480**	**.49429**	**.51441**	**5.3534**	**.50899**	**1.0228**	**1.0333**	**.03349**	**1.0394**	**1.0235**	**4.9055**
Stddev	.067	.0007	.033	.00080	.00298	.0102	.00025	.0037	.0068	.00217	.0030	.0004	.0672
%RSD	.13007	.07155	.17151	.16095	.57911	.19017	.04900	.35874	.65823	6.4928	.28986	.04333	1.3702
#1	51.929	1.0116	19.456	.49373	.51651	5.3606	.50881	1.0254	1.0381	.03502	1.0415	1.0239	4.8579
#2	51.833	1.0127	19.504	.49485	.51230	5.3463	.50916	1.0202	1.0284	.03195	1.0372	1.0232	4.9530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.498**	**1.0108**	**.50333**	**-.00349**	**.49986**	**1.0328**	**.00916**	**.50369**	**.49158**	**.50252**
Stddev	.144	.0082	.00067	.00089	.00042	.0047	.01537	.00003	.00108	.00057
%RSD	1.3702	.81038	.13408	25.627	.08329	.45660	167.78	.00644	.21914	.11412
#1	10.396	1.0166	.50381	-.00286	.49957	1.0361	.02003	.50367	.49235	.50212
#2	10.599	1.0050	.50285	-.00412	.50015	1.0295	-.00171	.50372	.49082	.50293
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8635.1**	**111200.**	**9102.0**
Stddev	10.9	173.	44.6
%RSD	.12632	.15548	.48996
#1	8642.8	111330.	9133.6
#2	8627.4	111080.	9070.5

Sample Name: CCB Acquired: 11/9/2013 2:18:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00200**	**.00215**	**.00314**	**-.00027**	**.00016**	**.00148**	**.00683**	**.00026**	**-.00015**	**.00010**	**-.00014**
Stddev	.00025	.00014	.00205	.00013	.00001	.00005	.00133	.00230	.00008	.00003	.00002	.00032
%RSD	121.27	7.1139	95.631	4.0148	4.6302	31.322	89.651	33.676	32.817	16.947	23.120	228.53
#1	-.00003	.00190	.00069	.00323	-.00028	.00012	.00242	.00846	.00032	-.00017	.00012	-.00037
#2	-.00038	.00210	.00360	.00305	-.00026	.00019	.00054	.00520	.00020	-.00013	.00008	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**.08361**	**.00067**	**-.00001**	**.00010**	**.00070**	**.05867**	**.00014**	**-.00050**	**.00086**	**.03340**	W **.00473**
Stddev	.00029	.01899	.00349	.00001	.00003	.00020	.01184	.00001	.00015	.00042	.00200	.00035
%RSD	6.5652	22.712	521.62	64.570	25.199	27.824	20.189	3.7855	29.547	48.841	5.9813	7.3582
#1	.00421	.09704	.00313	-.00002	.00012	.00084	.06705	.00014	-.00061	.00056	.03199	.00497
#2	.00462	.07018	-.00180	-.00001	.00008	.00057	.05029	.00014	-.00040	.00115	.03482	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00497**	**.00995**	**.02129**	**-.00009**	**.00008**	**-.00046**	**.00018**	**.00173**	**.01072**	**-.00047**	**.00385**	W **.00338**
Stddev	.00298	.00209	.00448	.00032	.00003	.00038	.00037	.00038	.00849	.00037	.00000	.00065
%RSD	60.029	21.024	21.024	346.77	34.221	82.619	209.74	22.028	79.205	79.766	.08175	19.296
#1	.00708	.00847	.01812	.00013	.00006	-.00073	.00044	.00146	.01672	-.00020	.00385	.00384
#2	.00286	.01143	.02445	-.00032	.00010	-.00019	-.00009	.00200	.00471	-.00073	.00386	.00292
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.00486											.00238
Low Limit	-.00486											-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8582.3**	**111680.**	**9061.1**
Stddev	6.6	136.	4.1
%RSD	.07742	.12197	.04486
#1	8577.6	111780.	9058.2
#2	8587.0	111580.	9063.9

Sample Name: CCVL-2367586 Acquired: 11/9/2013 2:20:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00999**	**.10579**	**.01615**	**.10311**	**.01003**	**.00114**	**.12726**	**.21313**	**.00566**	**.01043**	**.01041**	**.01600**	**.10061**
Stddev	.00015	.00036	.00076	.00034	.00025	.00005	.00098	.00019	.00002	.00021	.00008	.00003	.00240
%RSD	1.5098	.34002	4.6929	.33169	2.4935	4.7657	.77012	.08811	.29857	1.9912	.72556	.18527	2.3837
#1	.00989	.10554	.01561	.10287	.01021	.00118	.12657	.21326	.00567	.01028	.01047	.01598	.10230
#2	.01010	.10605	.01668	.10335	.00985	.00110	.12796	.21300	.00565	.01057	.01036	.01602	.09891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1550**	**.01164**	**.20161**	**.01022**	**.02090**	**1.1390**	**.04156**	**2.9704**	**.00971**	**.02818**	**.00842**	**.01378**	**.48774**
Stddev	.0117	.00250	.00079	.00005	.00041	.0026	.00034	.0162	.00056	.00262	.00016	.00181	.00628
%RSD	.37086	21.497	.39342	.49834	1.9410	.22491	.82993	.54672	5.8083	9.2873	1.9254	13.142	1.2880
#1	3.1467	.00987	.20105	.01018	.02062	1.1372	.04131	2.9589	.00931	.03003	.00853	.01506	.48330
#2	3.1633	.01341	.20217	.01025	.02119	1.1408	.04180	2.9819	.01010	.02633	.00830	.01250	.49219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0438**	**.10369**	**.01023**	**.01460**	**.01031**	**.01648**	F **.08593**	**.00938**	**.02535**	**.01650**
Stddev	.0134	.00104	.00012	.00207	.00006	.00155	.00236	.00022	.00031	.00061
%RSD	1.2880	1.0025	1.1931	14.168	.58284	9.3945	2.7509	2.3336	1.2257	3.6840
#1	1.0343	.10296	.01031	.01314	.01026	.01538	.08760	.00923	.02513	.01693
#2	1.0533	.10443	.01014	.01606	.01035	.01757	.08426	.00954	.02557	.01607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8721.8**	**113190.**	**9189.8**
Stddev	10.1	103.	39.4
%RSD	.11524	.09092	.42922
#1	8714.7	113110.	9162.0
#2	8728.9	113260.	9217.7

Sample Name: mb 280-199789/1-a Acquired: 11/9/2013 2:22:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00384**	**-.00048**	**.00229**	**.00101**	**.00006**	**.00262**	**.03813**	**.00032**	**.00002**
Stddev	.00010	.00002	.00105	.00040	.00016	.00009	.00074	.00004	.00008	.00003
%RSD	66.172	.64785	217.46	17.426	16.345	137.26	28.347	.09311	24.653	179.64
#1	.00021	.00382	-.00122	.00257	.00089	.00000	.00315	.03816	.00038	.00000
#2	.00008	.00386	.00026	.00200	.00112	.00012	.00210	.03811	.00026	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00112**	**.02201**	**.18398**	**.00103**	**.00432**	**.00086**	**.00002**	**.15413**	**.00044**
Stddev	.00009	.00009	.00237	.03510	.00066	.00083	.00005	.00014	.00722	.00043
%RSD	34.910	7.8706	10.766	19.078	64.015	19.229	5.9422	735.10	4.6850	97.636
#1	.00033	.00106	.02368	.20880	.00150	.00373	.00089	.00012	.14902	.00075
#2	.00020	.00119	.02033	.15916	.00057	.00491	.00082	-.00008	.15924	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**.00037**	**.03327**	**-.00196**	**.00345**	**.02412**	**.05162**	**.00350**	**.00012**	**-.00037**
Stddev	.00115	.00084	.00206	.00154	.00457	.00150	.00321	.00055	.00003	.00271
%RSD	30.485	227.39	6.2057	78.602	132.46	6.2266	6.2266	15.704	24.238	726.18
#1	.00295	.00097	.03473	-.00305	.00669	.02306	.04935	.00389	.00014	.00155
#2	.00457	-.00023	.03181	-.00087	.00022	.02518	.05389	.00311	.00010	-.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00108**	**.01257**	**-.00075**	**.00483**	**.00108**
Stddev	.00020	.00075	.05785	.00027	.00017	.00134
%RSD	46.526	69.692	460.11	35.625	3.5205	124.13
#1	.00028	-.00161	.05348	-.00094	.00495	.00013
#2	.00056	-.00055	-.02833	-.00056	.00471	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8877.3**	**115970.**	**9452.8**
Stddev	12.4	29.	21.2
%RSD	.14004	.02520	.22418
#1	8886.1	115950.	9437.9
#2	8868.5	116000.	9467.8

Sample Name: lcs 280-199789/2-a Acquired: 11/9/2013 2:25:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04873**	**1.8494**	**.98941**	**.97999**	**2.0063**	**.04892**	**2.3100**	**48.016**	**.10332**	**.48525**
Stddev	.00090	.0004	.00294	.00352	.0056	.00010	.0012	.155	.00025	.00051
%RSD	1.8493	.02106	.29724	.35948	.27740	.21443	.05274	.32208	.24321	.10470
#1	.04809	1.8491	.98733	.97749	2.0023	.04885	2.3091	47.906	.10314	.48489
#2	.04936	1.8497	.99149	.98248	2.0102	.04900	2.3108	48.125	.10349	.48560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19877**	**.25621**	**.94504**	**51.173**	**1.0012**	**46.964**	**.47979**	**1.0064**	**54.033**	**.48867**
Stddev	.00002	.00072	.00329	.232	.0083	.128	.00096	.0003	.724	.00020
%RSD	.00871	.28135	.34802	.45347	.82705	.27318	.20049	.02812	1.3395	.04190
#1	.19875	.25672	.94271	51.009	.99532	46.874	.47911	1.0066	53.521	.48881
#2	.19878	.25570	.94736	51.337	1.0070	47.055	.48047	1.0062	54.544	.48852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.119**	**.48534**	**.02400**	**.47350**	**1.9632**	F **.61558**	**1.3174**	**1.9675**	**.99598**	**.97614**
Stddev	.007	.00027	.00032	.00560	.0157	.02137	.0457	.0067	.00362	.00082
%RSD	.07025	.05665	1.3523	1.1832	.79825	3.4721	3.4721	.33949	.36383	.08426
#1	10.114	.48514	.02423	.47746	1.9743	.60047	1.2850	1.9722	.99342	.97556
#2	10.124	.48553	.02377	.46954	1.9521	.63070	1.3497	1.9627	.99854	.97672
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98511**	**1.9168**	**2.1025**	**.49733**	**.46845**	**.49969**
Stddev	.00189	.0029	.0554	.00080	.00158	.00269
%RSD	.19188	.14922	2.6333	.16095	.33714	.53839
#1	.98377	1.9188	2.0633	.49790	.46957	.49779
#2	.98644	1.9148	2.1416	.49677	.46733	.50160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8396.2**	**108470.**	**9224.1**
Stddev	11.2	62.	60.3
%RSD	.13354	.05680	.65374
#1	8404.1	108510.	9266.8
#2	8388.3	108430.	9181.5

Sample Name: 280-48909-a-1-a Acquired: 11/9/2013 2:27:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00271**	**42.214**	**.01396**	**.00424**	**.60793**	**.00093**	**-.00245**	**63.354**	**.00052**	**.08312**
Stddev	.00013	.025	.00053	.00006	.00172	.00013	.00184	.134	.00016	.00042
%RSD	4.7786	.05843	3.8095	1.3871	.28295	14.315	74.959	.21176	31.134	.50920
#1	-.00280	42.197	.01359	.00420	.60671	.00084	-.00375	63.259	.00040	.08342
#2	-.00262	42.232	.01434	.00428	.60914	.00103	-.00115	63.449	.00063	.08283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04524**	**.13338**	**230.10**	**5.9382**	**.04457**	**40.144**	**2.7844**	**.00338**	**2.8661**	**.08179**
Stddev	.00011	.00030	.73	.0572	.00140	.084	.0132	.00024	.0014	.00009
%RSD	.23628	.22244	.31898	.96284	3.1362	.21012	.47480	7.1089	.04906	.11099
#1	.04531	.13359	229.58	5.8978	.04358	40.204	2.7751	.00355	2.8671	.08173
#2	.04516	.13317	230.62	5.9786	.04556	40.084	2.7938	.00321	2.8651	.08186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.709**	**.02511**	**.97369**	**-.00045**	**-.00056**	**1.3428**	**2.8736**	**.02336**	**.20950**	**.02203**
Stddev	.003	.00090	.00303	.00118	.00143	.0028	.0059	.00094	.00065	.00317
%RSD	.02775	3.5683	.31148	265.24	256.73	.20656	.20656	4.0204	.31222	14.406
#1	10.711	.02447	.97154	-.00128	-.00156	1.3448	2.8778	.02270	.20904	.02428
#2	10.707	.02574	.97583	.00039	.00045	1.3408	2.8694	.02402	.20997	.01979
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.993**	**-.00452**	F **-.11369**	**.60704**	**.39158**	**.22962**
Stddev	.299	.00055	.01034	.00174	.00052	.00008
%RSD	1.3594	12.140	9.0979	.28648	.13386	.03685
#1	21.782	-.00491	-.12100	.60827	.39195	.22968
#2	22.205	-.00414	-.10637	.60581	.39121	.22956
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9555.3**	**121740.**	**10380.**
Stddev	4.1	151.	92.
%RSD	.04342	.12394	.88337
#1	9558.2	121630.	10445.
#2	9552.3	121840.	10316.

Sample Name: 280-48909-a-1-a Acquired: 11/9/2013 2:29:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**9.7709**	**.00402**	**.00283**	**.13964**	**.00033**	**.00390**	**14.677**	**.00034**	**.02016**
Stddev	.00053	.0288	.00003	.00066	.00109	.00006	.00233	.059	.00015	.00006
%RSD	66.355	.29451	.65339	23.434	.78186	17.008	59.811	.40193	44.664	.30297
#1	-.00118	9.7912	.00404	.00330	.14041	.00029	.00555	14.719	.00044	.02020
#2	-.00043	9.7505	.00400	.00236	.13887	.00037	.00225	14.635	.00023	.02011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.03086**	**53.715**	**1.3306**	**.01078**	**9.3364**	**.65539**	**.00067**	**.62341**	**.01945**
Stddev	.00008	.00048	.289	.0269	.00058	.0127	.00027	.00002	.00064	.00002
%RSD	.72654	1.5502	.53859	2.0205	5.3930	.13562	.04188	2.7427	.10191	.12539
#1	.01056	.03120	53.511	1.3497	.01119	9.3275	.65519	.00068	.62296	.01944
#2	.01067	.03052	53.920	1.3116	.01037	9.3454	.65558	.00066	.62386	.01947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4812**	**.00677**	**.24220**	**-.00142**	**.00136**	**.30440**	**.65142**	**.00625**	**.04848**	**.00817**
Stddev	.0011	.00046	.00083	.00146	.00434	.02534	.05422	.00051	.00025	.00093
%RSD	.04264	6.7950	.34073	102.41	318.61	8.3230	8.3230	8.1214	.52313	11.323
#1	2.4819	.00709	.24279	-.00039	.00443	.32232	.68976	.00661	.04830	.00883
#2	2.4804	.00644	.24162	-.00245	-.00171	.28649	.61309	.00589	.04866	.00752
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0978**	**-.00104**	**-.04254**	**.13958**	**.09760**	**.05311**
Stddev	.0076	.00118	.06048	.00026	.00072	.00084
%RSD	.14998	114.00	142.15	.18985	.73975	1.5757
#1	5.0924	-.00187	-.08531	.13939	.09811	.05252
#2	5.1032	-.00020	.00022	.13977	.09709	.05370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8886.6**	**113960.**	**9435.3**
Stddev	14.3	102.	79.6
%RSD	.16126	.08933	.84414
#1	8876.5	113890.	9378.9
#2	8896.7	114030.	9491.6

Sample Name: 280-48909-a-1-b du Acquired: 11/9/2013 2:32:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**45.061**	**.01454**	**.00227**	**.66755**	**.00108**	**.00789**	**61.216**	**.00049**	**.08316**
Stddev	.00009	.070	.00174	.00030	.00230	.00000	.00109	.107	.00026	.00062
%RSD	3.0820	.15434	11.989	13.087	.34498	.14634	13.780	.17409	53.118	.75056
#1	-.00314	45.111	.01331	.00248	.66918	.00108	.00712	61.141	.00031	.08272
#2	-.00301	45.012	.01577	.00206	.66592	.00109	.00866	61.291	.00067	.08360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05215**	**.13925**	**239.49**	**6.2422**	**.04190**	**39.841**	**2.8351**	**.00302**	**2.8291**	**.07482**
Stddev	.00012	.00001	.57	.0028	.00065	.016	.0025	.00005	.0077	.00003
%RSD	.23639	.00560	.23860	.04537	1.5524	.04026	.08697	1.5003	.27113	.04459
#1	.05206	.13925	239.89	6.2402	.04144	39.830	2.8369	.00305	2.8237	.07480
#2	.05223	.13926	239.09	6.2442	.04236	39.852	2.8334	.00298	2.8346	.07485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.238**	**.02672**	**1.0191**	**-.00682**	**-.00291**	**1.2868**	**2.7537**	**.02500**	**.22311**	**.02945**
Stddev	.024	.00141	.0034	.00053	.00080	.0293	.0627	.00019	.00031	.00166
%RSD	.21719	5.2850	.33451	7.7179	27.433	2.2766	2.2766	.77950	.14026	5.6330
#1	11.221	.02572	1.0167	-.00645	-.00347	1.3075	2.7980	.02486	.22333	.02828
#2	11.256	.02772	1.0215	-.00719	-.00235	1.2661	2.7094	.02514	.22289	.03062
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **22.455**	**-.00262**	F **-.10458**	**.63126**	**.40551**	**.24227**
Stddev	.052	.00171	.06260	.00174	.00083	.00057
%RSD	.22946	65.454	59.859	.27517	.20587	.23511
#1	22.491	-.00141	-.06031	.63003	.40492	.24268
#2	22.418	-.00383	-.14884	.63249	.40610	.24187
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9591.8**	**121600.**	**10373.**
Stddev	13.3	23.	41.
%RSD	.13858	.01913	.39734
#1	9601.2	121580.	10402.
#2	9582.4	121610.	10344.

Sample Name: 280-48909-a-1-c ms Acquired: 11/9/2013 2:34:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03908	71.870	.79030	.78599	2.4419	.04200	F 1.9260	127.08	.08708	.49643
Stddev	.00016	.282	.00033	.00030	.0034	.00013	.0018	.43	.00006	.00046
%RSD	.40248	.39245	.04177	.03875	.13787	.30525	.09548	.33494	.06786	.09191
#1	.03897	71.670	.79053	.78577	2.4396	.04191	1.9273	126.78	.08712	.49675
#2	.03919	72.069	.79006	.78620	2.4443	.04209	1.9247	127.38	.08703	.49610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23793	.37688	276.93	51.719	.91122	95.376	3.9775	.81317	52.421	.50604
Stddev	.00042	.00025	1.63	.348	.00126	.276	.0046	.00143	.438	.00130
%RSD	.17511	.06567	.58904	.67296	.13870	.28943	.11612	.17584	.83630	.25633
#1	.23822	.37706	275.78	51.473	.91033	95.181	3.9742	.81418	52.111	.50695
#2	.23763	.37671	278.08	51.965	.91212	95.571	3.9808	.81216	52.731	.50512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 18.380	.41932	1.0215	.22910	1.5567	3.4967	7.4830	1.3524	1.1442	.86330
Stddev	.026	.00039	.0011	.00184	.0059	.0043	.0093	.0007	.0036	.00519
%RSD	.14219	.09281	.10469	.80173	.37932	.12449	.12449	.05089	.31190	.60150
#1	18.398	.41960	1.0208	.23040	1.5526	3.4998	7.4896	1.3519	1.1417	.86697
#2	18.361	.41905	1.0223	.22780	1.5609	3.4937	7.4764	1.3529	1.1468	.85963
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 26.041	1.5036	1.6077	1.2546	.86160	.71381
Stddev	.130	.0005	.0027	.0007	.00251	.00371
%RSD	.50044	.03119	.17110	.05566	.29154	.52030
#1	25.949	1.5033	1.6057	1.2541	.85982	.71118
#2	26.133	1.5039	1.6096	1.2551	.86338	.71644
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000					
Low Limit	-.02000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	9407.8	119060.	10518.
Stddev	32.8	430.	56.
%RSD	.34912	.36151	.53611
#1	9431.0	119370.	10557.
#2	9384.5	118760.	10478.

Sample Name: 280-48909-a-2-a Acquired: 11/9/2013 2:37:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00305**	**44.941**	**.01498**	**.00228**	**.62572**	**.00098**	**.00042**	**63.912**	**.00057**	**.08144**
Stddev	.00001	.024	.00154	.00025	.00059	.00005	.00182	.092	.00008	.00053
%RSD	.22229	.05401	10.257	11.045	.09370	5.5085	428.25	.14404	13.980	.65282
#1	-.00305	44.923	.01606	.00246	.62530	.00101	-.00086	63.847	.00051	.08182
#2	-.00306	44.958	.01389	.00210	.62613	.00094	.00171	63.977	.00063	.08107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04849**	**.13467**	**226.97**	**6.4738**	**.04656**	**41.379**	**2.6971**	**.00323**	**2.7688**	**.08149**
Stddev	.00028	.00026	.32	.0408	.00026	.127	.0144	.00016	.0062	.00008
%RSD	.57539	.19496	.13997	.63066	.55445	.30589	.53539	5.0774	.22506	.09592
#1	.04869	.13485	226.74	6.4450	.04638	41.290	2.6868	.00335	2.7732	.08154
#2	.04829	.13448	227.19	6.5027	.04675	41.469	2.7073	.00312	2.7644	.08143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.541**	**.02534**	**.90942**	**-.00284**	**-.00195**	**1.0786**	**2.3082**	**.02221**	**.21581**	**.02716**
Stddev	.051	.00036	.00701	.00114	.00106	.0328	.0701	.00190	.00001	.00344
%RSD	.48155	1.4059	.77124	40.354	54.491	3.0382	3.0382	8.5517	.00246	12.656
#1	10.577	.02509	.91438	-.00203	-.00120	1.0554	2.2586	.02355	.21582	.02473
#2	10.505	.02559	.90446	-.00365	-.00270	1.1018	2.3578	.02087	.21581	.02959
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.107**	**-.00334**	F **-.11550**	**.61419**	**.39800**	**.22006**
Stddev	.037	.00003	.03699	.00157	.00170	.00712
%RSD	.17695	.87669	32.030	.25484	.42838	3.2369
#1	21.133	-.00332	-.14166	.61529	.39679	.22509
#2	21.080	-.00336	-.08934	.61308	.39921	.21502
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9435.2**	**120040.**	**10362.**
Stddev	10.4	158.	3.
%RSD	.11040	.13144	.03206
#1	9427.8	119930.	10359.
#2	9442.6	120160.	10364.

Sample Name: 280-48909-a-3-a Acquired: 11/9/2013 2:39:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00265**	**41.055**	**.01327**	**.00312**	**.59504**	**.00099**	**.00293**	**52.356**	**.00041**	**.07222**
Stddev	.00004	.253	.00289	.00018	.00004	.00008	.00206	.258	.00006	.00043
%RSD	1.6887	.61711	21.804	5.8970	.00608	8.2378	70.189	.49222	15.568	.59024
#1	-.00262	41.234	.01123	.00299	.59506	.00094	.00147	52.538	.00045	.07252
#2	-.00268	40.876	.01532	.00325	.59501	.00105	.00438	52.173	.00036	.07192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04593**	**.15325**	**202.40**	**6.3932**	**.04426**	**37.241**	**2.4567**	**.00240**	**2.3765**	**.07736**
Stddev	.00002	.00059	.23	.0073	.00237	.124	.0056	.00008	.0219	.00040
%RSD	.04519	.38234	.11130	.11404	5.3569	.33397	.22949	3.1777	.92175	.51512
#1	.04592	.15284	202.56	6.3880	.04594	37.153	2.4527	.00245	2.3920	.07708
#2	.04595	.15367	202.24	6.3983	.04258	37.329	2.4607	.00234	2.3610	.07764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3840**	**.02539**	**.77905**	**-.00266**	**-.00419**	**1.0617**	**2.2720**	**.02153**	**.20520**	**.02613**
Stddev	.0112	.00064	.00262	.00152	.00090	.0228	.0487	.00016	.00032	.00278
%RSD	.11948	2.5042	.33616	57.241	21.429	2.1443	2.1443	.72674	.15724	10.622
#1	9.3761	.02494	.78091	-.00373	-.00356	1.0456	2.2376	.02142	.20543	.02417
#2	9.3920	.02584	.77720	-.00158	-.00483	1.0778	2.3065	.02165	.20497	.02809
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.488**	**-.00361**	W **-.09183**	**.54775**	**.36172**	**.20387**
Stddev	.185	.00123	.00291	.00401	.00373	.00182
%RSD	.95173	34.104	3.1696	.73130	1.0316	.89495
#1	19.357	-.00448	-.08978	.54491	.35908	.20516
#2	19.619	-.00274	-.09389	.55058	.36435	.20258
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9186.1**	**116730.**	**9860.4**
Stddev	33.5	733.	29.4
%RSD	.36504	.62788	.29776
#1	9209.8	117250.	9839.7
#2	9162.4	116220.	9881.2

Sample Name: 280-48909-a-4-a Acquired: 11/9/2013 2:41:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00330**	**48.222**	**.01486**	**.00172**	**.74301**	**.00111**	**-.00083**	**60.860**	**.00049**	**.08808**
Stddev	.00040	.072	.00176	.00038	.00034	.00011	.00159	.007	.00010	.00015
%RSD	12.129	.14942	11.825	22.264	.04562	10.154	191.90	.01106	19.770	.16532
#1	-.00359	48.171	.01362	.00145	.74277	.00103	.00030	60.855	.00056	.08798
#2	-.00302	48.272	.01611	.00199	.74325	.00119	-.00196	60.865	.00042	.08818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04560**	**.14777**	**250.79**	**6.2566**	**.04217**	**42.247**	**3.1122**	**.00306**	**3.0110**	**.07056**
Stddev	.00011	.00000	.77	.0257	.00087	.062	.0405	.00024	.0044	.00014
%RSD	.24068	.00190	.30631	.41151	2.0539	.14780	1.3027	7.8923	.14544	.20181
#1	.04552	.14776	251.33	6.2748	.04156	42.292	3.1408	.00323	3.0079	.07046
#2	.04567	.14777	250.25	6.2384	.04278	42.203	3.0835	.00288	3.0141	.07066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.135**	**.02665**	**.92972**	**-.00436**	**.00104**	**1.1148**	**2.3856**	**.02652**	**.22156**	**.02729**
Stddev	.029	.00096	.00255	.00371	.00115	.0268	.0573	.00030	.00016	.00158
%RSD	.26367	3.6164	.27444	85.028	110.64	2.4010	2.4010	1.1335	.07207	5.8041
#1	11.155	.02733	.93153	-.00174	.00185	1.1337	2.4261	.02673	.22167	.02841
#2	11.114	.02596	.92792	-.00698	.00023	1.0958	2.3451	.02631	.22144	.02617
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.604**	**-.00451**	F **-.12260**	**.68509**	**.43267**	**.25740**
Stddev	.018	.00005	.01795	.00271	.00107	.00056
%RSD	.07436	1.1189	14.640	.39562	.24665	.21670
#1	23.591	-.00454	-.10991	.68317	.43191	.25779
#2	23.616	-.00447	-.13529	.68701	.43342	.25701
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9408.7**	**119620.**	**10059.**
Stddev	22.4	260.	7.
%RSD	.23800	.21774	.06889
#1	9392.8	119440.	10064.
#2	9424.5	119810.	10055.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 2:44:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**50.187**	**.00325**	**.00607**	**.00037**	**.00006**	**1.0384**	**.01519**	**.00011**	**-.00069**	**-.00016**	**.00884**	**48.521**
Stddev	.00056	.031	.00036	.00009	.00003	.00000	.0023	.00454	.00001	.00031	.00008	.00024	.225
%RSD	16.011	.06095	10.966	1.5032	7.3756	7.7077	.22023	29.861	8.8398	44.363	47.061	2.7592	.46298
#1	.00389	50.166	.00299	.00613	.00035	.00006	1.0400	.01840	.00012	-.00091	-.00011	.00901	48.680
#2	.00309	50.209	.00350	.00600	.00039	.00006	1.0368	.01199	.00010	-.00048	-.00022	.00867	48.362
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00629**	**.00018**	**.08496**	**.00084**	**-.00018**	**262.05**	**-.00010**	**.00328**	**.00274**	**5.1041**	**-.00027**	**-.00305**	**.02096**
Stddev	.01358	.00177	.00058	.00004	.00027	.00	.00034	.00026	.00086	.0176	.00088	.00224	.01299
%RSD	215.98	970.94	.68711	4.8762	149.42	.00169	354.85	7.9832	31.356	.34451	322.99	73.605	61.986
#1	-.01589	.00144	.08455	.00081	-.00037	262.05	.00014	.00347	.00334	5.1166	.00035	-.00146	.03014
#2	.00331	-.00107	.08538	.00087	.00001	262.04	-.00033	.00310	.00213	5.0917	-.00089	-.00464	.01177
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04484**	**-.00039**	**.00045**	**4.8052**	**.00204**	**.00156**	**10.157**	**.00069**	**.00213**	**.02211**
Stddev	.02780	.00158	.00006	.0051	.00029	.00043	.009	.00034	.00005	.00158
%RSD	61.986	399.75	12.579	.10624	13.997	27.891	.08657	49.290	2.4499	7.1289
#1	.06450	.00072	.00049	4.8088	.00184	.00125	10.151	.00045	.00209	.02323
#2	.02519	-.00151	.00041	4.8016	.00224	.00186	10.163	.00093	.00217	.02100
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8391.6**	**105990.**	**8838.6**
Stddev	2.7	42.	17.4
%RSD	.03231	.03943	.19676
#1	8389.7	105960.	8850.9
#2	8393.6	106020.	8826.3

Sample Name: CCV-2357614 Acquired: 11/9/2013 2:46:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49879**	**.50915**	**1.0118**	**.51446**	**.50389**	**.49514**	**.00033**	**4.9761**	**.50989**	**.50614**	**.50133**	**.51305**	**2.3863**
Stddev	.00056	.00024	.0043	.00018	.00069	.00158	.00325	.0019	.00069	.00005	.00024	.00035	.0077
%RSD	.11217	.04777	.42240	.03541	.13772	.31896	993.75	.03741	.13534	.00913	.04836	.06773	.32473
#1	.49839	.50932	1.0088	.51459	.50340	.49402	-.00197	4.9748	.51038	.50617	.50150	.51280	2.3809
#2	.49919	.50898	1.0148	.51434	.50438	.49626	.00263	4.9775	.50940	.50611	.50116	.51329	2.3918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.659**	**1.0035**	**19.537**	**.49649**	**.51041**	**5.2728**	**.50802**	**1.0135**	**1.0316**	**.01190**	**1.0329**	**1.0165**	**4.8892**
Stddev	.119	.0002	.017	.00097	.00150	.0044	.00055	.0043	.0003	.00178	.0009	.0011	.0360
%RSD	.23071	.02106	.08742	.19559	.29475	.08350	.10904	.42710	.02948	14.941	.08780	.11017	.73700
#1	51.744	1.0034	19.549	.49718	.51147	5.2759	.50841	1.0166	1.0314	.01065	1.0322	1.0157	4.8637
#2	51.575	1.0037	19.525	.49580	.50935	5.2697	.50763	1.0105	1.0318	.01316	1.0335	1.0173	4.9147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.463**	**1.0139**	**.50020**	**-.00499**	**.50419**	**1.0295**	**.04274**	**.50433**	**.49488**	**.50453**
Stddev	.077	.0007	.00005	.00001	.00048	.0008	.01889	.00028	.00105	.00155
%RSD	.73700	.06870	.00946	.10279	.09451	.07914	44.210	.05478	.21226	.30801
#1	10.408	1.0134	.50017	-.00500	.50453	1.0289	.02938	.50414	.49414	.50343
#2	10.517	1.0144	.50024	-.00499	.50385	1.0300	.05610	.50453	.49563	.50563
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8596.1**	**109180.**	**8927.2**
Stddev	9.4	553.	51.9
%RSD	.10885	.50652	.58097
#1	8602.7	109580.	8890.5
#2	8589.5	108790.	8963.9

Sample Name: CCB Acquired: 11/9/2013 2:48:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00603**	**-.00196**	**.00216**	**-.00001**	**.00013**	**.00230**	**.00316**	**.00036**	**.00004**	**.00023**	**.00022**
Stddev	.00016	.00152	.00010	.00049	.00003	.00004	.00217	.00156	.00009	.00029	.00010	.00006
%RSD	69.021	25.280	5.0364	22.512	630.07	26.247	94.454	49.484	25.123	707.09	46.247	29.124
#1	.00012	.00711	-.00203	.00251	.00002	.00016	.00383	.00427	.00030	-.00016	.00030	.00027
#2	.00034	.00495	-.00189	.00182	-.00003	.00011	.00076	.00206	.00043	.00025	.00015	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01162**	**.04729**	**.00091**	W **.01670**	F **.00092**	**.00054**	**-.01409**	**-.00006**	**.00051**	**.00075**	**.02091**	F **.00642**
Stddev	.00028	.03219	.00099	.01923	.00111	.00002	.00850	.00025	.00112	.00055	.00127	.00219
%RSD	2.4218	68.067	109.40	115.15	120.61	4.0571	60.323	406.62	219.53	72.976	6.0865	34.117
#1	.01182	.02453	.00161	.00310	.00014	.00052	-.00808	-.00024	-.00028	.00114	.02001	.00487
#2	.01142	.07006	.00021	.03029	.00170	.00055	-.02010	.00011	.00130	.00036	.02181	.00797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01070	.00050							.00628
Low Limit				-.01070	-.00050							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**.02232**	**.04777**	**.00112**	**.00004**	**.00158**	F **.00571**	**-.00046**	**.01010**	**-.00002**	**.00453**	**.00222**
Stddev	.00160	.01604	.03433	.00058	.00006	.00133	.00648	.00056	.01794	.00066	.00020	.00033
%RSD	42.867	71.874	71.874	51.996	169.47	83.988	113.61	121.93	177.63	3457.5	4.4192	14.745
#1	.00260	.03366	.07204	.00153	.00008	.00064	.00112	-.00006	.02279	-.00049	.00439	.00199
#2	.00485	.01098	.02349	.00071	-.00001	.00252	.01029	-.00086	-.00259	.00045	.00467	.00245
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00100					
Low Limit							-.00100					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8537.5**	**109600.**	**8708.6**
Stddev	3.7	120.	79.8
%RSD	.04300	.10946	.91595
#1	8534.9	109680.	8652.2
#2	8540.1	109510.	8765.0

Sample Name: CCVL2367586 Acquired: 11/9/2013 2:51:14 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01002**	**.10863**	**.01396**	**.10171**	**.01006**	**.00115**	**.12575**	**.21817**	**.00542**	**.01049**	**.01056**	**.01599**	**.10943**
Stddev	.00008	.00060	.00225	.00044	.00002	.00006	.00154	.00199	.00007	.00023	.00012	.00055	.00227
%RSD	.76109	.55237	16.115	.43297	.23478	4.8647	1.2223	.91370	1.3439	2.1809	1.1407	3.4583	2.0785
#1	.01007	.10906	.01237	.10202	.01008	.00111	.12466	.21677	.00547	.01033	.01065	.01559	.11104
#2	.00997	.10821	.01556	.10140	.01004	.00119	.12684	.21958	.00537	.01065	.01048	.01638	.10782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1299**	F **.01321**	**.20728**	**.01037**	**.02078**	**1.0447**	**.04213**	**2.9811**	**.01059**	**.01765**	**.00989**	**.01612**	**.50502**
Stddev	.0258	.00219	.00028	.00003	.00028	.0145	.00006	.0070	.00040	.00225	.00013	.00054	.00854
%RSD	.82369	16.593	.13399	.26980	1.3617	1.3845	.15215	.23547	3.7987	12.734	1.3392	3.3617	1.6901
#1	3.1481	.01166	.20747	.01035	.02058	1.0549	.04209	2.9860	.01030	.01924	.00999	.01650	.51105
#2	3.1117	.01476	.20708	.01039	.02098	1.0345	.04218	2.9761	.01087	.01606	.00980	.01573	.49898
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0807**	**.10462**	**.01029**	**.01305**	**.01127**	**.01631**	F **.11505**	**.00973**	**.02538**	**.01726**
Stddev	.0183	.00067	.00012	.00073	.00021	.00054	.00126	.00030	.00062	.00069
%RSD	1.6901	.64318	1.1822	5.5666	1.8571	3.3027	1.0989	3.1193	2.4243	3.9785
#1	1.0937	.10510	.01020	.01254	.01142	.01669	.11416	.00995	.02494	.01775
#2	1.0678	.10415	.01037	.01357	.01112	.01593	.11594	.00952	.02581	.01677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8656.6**	**111050.**	**8929.2**
Stddev	16.4	103.	8.3
%RSD	.18910	.09270	.09272
#1	8668.2	110980.	8923.4
#2	8645.1	111120.	8935.1

Sample Name: 280-48909-a-5-a Acquired: 11/9/2013 2:53:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**44.471**	**.01596**	**.00229**	**.61594**	**.00118**	**.00184**	**61.153**	**.00043**	**.08398**
Stddev	.00001	.033	.00169	.00073	.00025	.00004	.00266	.061	.00030	.00081
%RSD	.35282	.07495	10.587	31.720	.04118	3.7839	144.66	.09906	69.643	.96342
#1	-.00279	44.448	.01476	.00281	.61612	.00122	.00372	61.110	.00022	.08340
#2	-.00277	44.495	.01715	.00178	.61576	.00115	-.00004	61.196	.00064	.08455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04944**	**.13798**	**226.48**	**6.4505**	**.04571**	**42.279**	**2.7905**	**.00270**	**2.6097**	**.09820**
Stddev	.00016	.00051	.49	.0363	.00077	.066	.0164	.00016	.0193	.00021
%RSD	.32374	.36694	.21476	.56293	1.6951	.15640	.58841	6.0278	.73829	.21788
#1	.04932	.13762	226.14	6.4762	.04625	42.233	2.8021	.00282	2.6233	.09805
#2	.04955	.13834	226.83	6.4248	.04516	42.326	2.7789	.00259	2.5961	.09835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.754**	**.02522**	**.92550**	**-.00305**	**.00016**	**1.0328**	**2.2102**	**.02124**	**.22204**	**.02919**
Stddev	.003	.00080	.00223	.00026	.00276	.0143	.0305	.00115	.00021	.00160
%RSD	.02821	3.1806	.24124	8.5338	1733.8	1.3795	1.3795	5.3934	.09342	5.4975
#1	10.752	.02465	.92392	-.00286	-.00179	1.0429	2.2317	.02205	.22219	.03033
#2	10.757	.02578	.92708	-.00323	.00211	1.0227	2.1886	.02043	.22190	.02806
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.579**	**-.00450**	F **-.10867**	**.58788**	**.39969**	**.21755**
Stddev	.245	.00232	.01758	.00025	.00036	.00051
%RSD	1.2489	51.647	16.181	.04233	.09037	.23465
#1	19.752	-.00614	-.12111	.58770	.39994	.21719
#2	19.406	-.00286	-.09624	.58805	.39943	.21791
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9448.9**	**120330.**	**10085.**
Stddev	15.4	121.	15.
%RSD	.16303	.10021	.14725
#1	9438.0	120240.	10096.
#2	9459.8	120410.	10075.

Sample Name: 280-48909-a-6-a Acquired: 11/9/2013 2:55:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**42.083**	**.01376**	**.00214**	**.54491**	**.00098**	**.00416**	**51.828**	**.00051**	**.06254**
Stddev	.00018	.049	.00052	.00018	.00020	.00004	.00228	.154	.00010	.00003
%RSD	9.2132	.11655	3.7529	8.3846	.03647	4.5613	54.802	.29630	18.858	.04945
#1	-.00184	42.117	.01412	.00227	.54505	.00095	.00255	51.937	.00058	.06251
#2	-.00209	42.048	.01339	.00202	.54477	.00101	.00577	51.720	.00044	.06256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04917**	**.11801**	**172.86**	**5.9150**	**.04827**	**32.804**	**2.1762**	**.00209**	**2.7684**	**.07264**
Stddev	.00019	.00041	.67	.0603	.00055	.198	.0062	.00002	.0007	.00028
%RSD	.39575	.34626	.38512	1.0200	1.1486	.60363	.28505	.94943	.02505	.38778
#1	.04930	.11830	173.33	5.8723	.04788	32.944	2.1805	.00211	2.7689	.07284
#2	.04903	.11773	172.39	5.9577	.04866	32.664	2.1718	.00208	2.7679	.07244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3368**	**.02264**	**.69297**	**-.00409**	**-.00079**	**.98026**	**2.0978**	**.01796**	**.18221**	**.02510**
Stddev	.0062	.00096	.00052	.00211	.00237	.04465	.0956	.00043	.00005	.00152
%RSD	.07429	4.2298	.07525	51.489	300.90	4.5553	4.5553	2.3934	.02491	6.0669
#1	8.3412	.02196	.69260	-.00558	.00089	1.0118	2.1653	.01766	.18225	.02402
#2	8.3324	.02332	.69334	-.00260	-.00247	.94869	2.0302	.01827	.18218	.02618
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.361**	**-.00247**	W **-.09002**	**.44156**	**.31759**	**.17146**
Stddev	.124	.00013	.02275	.00051	.00413	.00119
%RSD	.80830	5.1459	25.276	.11641	1.2989	.69141
#1	15.448	-.00256	-.07393	.44192	.32051	.17230
#2	15.273	-.00238	-.10611	.44120	.31468	.17062
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9237.3**	**116830.**	**9819.6**
Stddev	3.2	144.	59.3
%RSD	.03517	.12339	.60381
#1	9239.6	116730.	9777.7
#2	9235.0	116930.	9861.5

Sample Name: 280-48909-a-7-a Acquired: 11/9/2013 2:58:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**43.163**	**.01964**	**.00124**	**.60482**	**.00119**	**.00052**	**58.486**	**.00070**	**.07243**
Stddev	.00012	.213	.00149	.00028	.00202	.00006	.00146	.298	.00003	.00025
%RSD	5.7234	.49250	7.5832	22.514	.33473	5.1599	282.89	.50910	4.6180	.34778
#1	-.00226	43.313	.02069	.00144	.60625	.00114	-.00052	58.697	.00073	.07225
#2	-.00209	43.013	.01859	.00104	.60338	.00123	.00155	58.276	.00068	.07261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**.12029**	**201.07**	**5.5432**	**.04753**	**38.268**	**2.6697**	**.00220**	**2.2937**	**.09180**
Stddev	.00026	.00103	1.41	.0516	.00072	.379	.0078	.00030	.0209	.00012
%RSD	.50870	.85528	.70182	.93057	1.5046	.98925	.29384	13.704	.91076	.13207
#1	.05139	.12101	202.07	5.5797	.04703	38.535	2.6752	.00241	2.3084	.09171
#2	.05176	.11956	200.07	5.5067	.04804	38.000	2.6641	.00199	2.2789	.09189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.9578**	**.02793**	**.67247**	**-.00252**	**-.00241**	**1.1797**	**2.5245**	**.01888**	**.20510**	**.02338**
Stddev	.0031	.00058	.00182	.00374	.00031	.0322	.0689	.00014	.00094	.00002
%RSD	.03487	2.0785	.27000	148.54	13.050	2.7298	2.7298	.74709	.45842	.09112
#1	8.9556	.02752	.67118	.00013	-.00263	1.2024	2.5732	.01878	.20576	.02336
#2	8.9601	.02834	.67375	-.00516	-.00219	1.1569	2.4758	.01898	.20443	.02339
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.888**	**-.00376**	F **-.10144**	**.49780**	**.33865**	**.20210**
Stddev	.043	.00055	.01971	.00647	.00509	.00139
%RSD	.25308	14.484	19.428	1.2988	1.5028	.68809
#1	16.858	-.00338	-.08750	.50237	.34225	.20309
#2	16.919	-.00415	-.11537	.49323	.33505	.20112
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9143.8**	**118200.**	**9804.2**
Stddev	.4	564.	17.4
%RSD	.00492	.47749	.17758
#1	9144.1	117800.	9791.9
#2	9143.5	118600.	9816.5

Sample Name: 280-48909-a-8-a Acquired: 11/9/2013 3:00:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00269**	**51.654**	**.01414**	**.00135**	**.80112**	**.00125**	**.00352**	**75.051**	**.00070**	**.08557**
Stddev	.00004	.059	.00147	.00061	.00011	.00004	.00420	.041	.00023	.00004
%RSD	1.3467	.11436	10.428	45.102	.01399	2.8344	119.26	.05427	33.298	.05013
#1	-.00271	51.612	.01518	.00179	.80120	.00127	.00055	75.022	.00087	.08560
#2	-.00266	51.695	.01310	.00092	.80104	.00122	.00649	75.080	.00054	.08554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07890**	**.13697**	**241.18**	**9.4249**	**.06913**	**47.072**	**3.0928**	**.00343**	**2.5873**	**.10135**
Stddev	.00011	.00047	.03	.0054	.00163	.038	.0137	.00020	.0176	.00039
%RSD	.14143	.34464	.01137	.05739	2.3620	.07980	.44143	5.7463	.67863	.38238
#1	.07883	.13663	241.16	9.4211	.06798	47.099	3.0832	.00357	2.5749	.10163
#2	.07898	.13730	241.20	9.4288	.07029	47.045	3.1025	.00329	2.5998	.10108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.605**	**.02854**	**.88132**	**-.00335**	**-.00110**	**1.0633**	**2.2755**	**.02658**	**.27410**	**.03249**
Stddev	.031	.00026	.00224	.00363	.00190	.0072	.0154	.00074	.00031	.00091
%RSD	.28829	.89474	.25373	108.31	172.95	.67512	.67512	2.7840	.11381	2.7872
#1	10.627	.02872	.87974	-.00078	.00024	1.0582	2.2646	.02606	.27388	.03185
#2	10.584	.02836	.88290	-.00592	-.00244	1.0684	2.2863	.02710	.27432	.03313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.554**	**-.00199**	F **-.13974**	**.66334**	**.44259**	**.21504**
Stddev	.141	.00010	.03445	.00235	.00003	.00679
%RSD	.60045	5.1574	24.650	.35481	.00606	3.1554
#1	23.454	-.00206	-.11538	.66167	.44261	.21024
#2	23.654	-.00192	-.16410	.66500	.44257	.21984
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9252.1**	**116390.**	**9805.2**
Stddev	25.8	220.	10.0
%RSD	.27853	.18937	.10202
#1	9233.9	116550.	9798.1
#2	9270.3	116240.	9812.3

Sample Name: 280-48909-a-9-a Acquired: 11/9/2013 3:03:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00257**	**42.956**	**.01153**	**.00094**	**.62917**	**.00108**	**.00569**	**62.223**	**.00064**	**.07588**
Stddev	.00050	.045	.00023	.00050	.00191	.00004	.00113	.190	.00003	.00004
%RSD	19.452	.10517	1.9692	52.859	.30419	3.5302	19.936	.30544	4.5323	.05675
#1	-.00292	42.924	.01169	.00059	.62782	.00111	.00649	62.089	.00062	.07585
#2	-.00221	42.988	.01137	.00129	.63053	.00105	.00488	62.357	.00066	.07591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04195**	**.12891**	**213.75**	**5.6774**	**.04292**	**35.532**	**2.6612**	**.00242**	**2.7790**	**.06707**
Stddev	.00009	.00010	.47	.0396	.00072	.013	.0167	.00014	.0011	.00002
%RSD	.22437	.07602	.22094	.69774	1.6872	.03612	.62749	5.9432	.03907	.02657
#1	.04188	.12885	213.41	5.6494	.04241	35.541	2.6494	.00232	2.7782	.06708
#2	.04202	.12898	214.08	5.7054	.04344	35.522	2.6730	.00252	2.7798	.06706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3362**	**.02269**	**.84947**	**-.00446**	**-.00182**	**.82269**	**1.7606**	**.02131**	**.21442**	**.02922**
Stddev	.0210	.00023	.00026	.00340	.00019	.00269	.0058	.00039	.00021	.00253
%RSD	.22533	1.0064	.03045	76.146	10.703	.32726	.32726	1.8198	.09667	8.6539
#1	9.3213	.02285	.84929	-.00206	-.00196	.82459	1.7646	.02104	.21427	.02744
#2	9.3511	.02252	.84965	-.00686	-.00168	.82079	1.7565	.02158	.21456	.03101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **20.100**	**-.00448**	F **-.11012**	**.58338**	**.37628**	**.19974**
Stddev	.075	.00032	.00907	.00122	.00070	.00032
%RSD	.37086	7.1969	8.2401	.20837	.18727	.16045
#1	20.048	-.00425	-.11653	.58424	.37678	.19996
#2	20.153	-.00471	-.10370	.58252	.37578	.19951
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9297.7**	**117320.**	**9712.4**
Stddev	26.0	17.	15.7
%RSD	.27996	.01428	.16183
#1	9316.1	117330.	9723.5
#2	9279.3	117310.	9701.3

Sample Name: 280-48909-a-10-a Acquired: 11/9/2013 3:05:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00346**	**44.989**	**.01605**	**.00091**	**.69364**	**.00099**	**.00172**	**60.997**	**.00021**	**.09046**
Stddev	.00010	.071	.00140	.00035	.00046	.00002	.00528	.093	.00009	.00103
%RSD	2.9072	.15834	8.6932	38.481	.06563	1.8875	306.67	.15245	43.256	1.1337
#1	-.00353	45.040	.01704	.00066	.69396	.00101	.00546	61.062	.00015	.08974
#2	-.00339	44.939	.01506	.00116	.69332	.00098	-.00201	60.931	.00028	.09119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05106**	**.14692**	**256.88**	**6.6320**	**.04969**	**44.145**	**3.0380**	**.00351**	**2.7986**	**.08640**
Stddev	.00001	.00038	.50	.0559	.00383	.008	.0059	.00009	.0058	.00035
%RSD	.02383	.26159	.19517	.84276	7.7161	.01915	.19565	2.6394	.20632	.40232
#1	.05105	.14665	257.23	6.6715	.05241	44.150	3.0338	.00345	2.8027	.08615
#2	.05107	.14720	256.52	6.5925	.04698	44.139	3.0422	.00358	2.7945	.08665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.317**	**.02656**	**1.0322**	**-.00560**	**-.00305**	**1.0825**	**2.3166**	**.02694**	**.21686**	**.02945**
Stddev	.003	.00094	.0053	.00030	.00529	.0355	.0760	.00130	.00038	.00071
%RSD	.02229	3.5315	.51724	5.3833	173.62	3.2823	3.2823	4.8424	.17691	2.4049
#1	11.315	.02722	1.0284	-.00581	.00069	1.0574	2.2628	.02787	.21659	.02996
#2	11.318	.02590	1.0359	-.00539	-.00679	1.1076	2.3704	.02602	.21713	.02895
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **24.921**	**-.00348**	F **-.13554**	**.73011**	**.44788**	**.24115**
Stddev	.387	.00049	.01342	.00102	.00043	.00013
%RSD	1.5537	14.116	9.9005	.13969	.09514	.05325
#1	25.195	-.00314	-.12605	.72939	.44818	.24124
#2	24.647	-.00383	-.14503	.73083	.44758	.24106
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9417.8**	**118520.**	**9966.7**
Stddev	1.5	206.	72.4
%RSD	.01611	.17384	.72609
#1	9418.8	118370.	9915.6
#2	9416.7	118660.	10018.

Sample Name: 280-48909-a-11-a Acquired: 11/9/2013 3:08:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00260**	**41.986**	**.01142**	**.00162**	**.64414**	**.00098**	**.00618**	**57.175**	**.00043**	**.07652**
Stddev	.00051	.217	.00036	.00054	.00195	.00001	.00215	.195	.00022	.00058
%RSD	19.440	.51630	3.1779	33.593	.30347	.56819	34.794	.34091	51.318	.75602
#1	-.00224	42.140	.01168	.00201	.64552	.00098	.00466	57.313	.00059	.07693
#2	-.00296	41.833	.01116	.00124	.64276	.00098	.00770	57.037	.00028	.07612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04856**	**.12422**	**200.96**	**5.6944**	**.04362**	**36.188**	**2.6347**	**.00261**	**2.6746**	**.07848**
Stddev	.00015	.00031	.63	.0155	.00022	.124	.0008	.00041	.0197	.00029
%RSD	.31297	.24929	.31213	.27222	.51265	.34248	.02955	15.770	.73476	.36930
#1	.04867	.12400	201.40	5.7053	.04346	36.276	2.6352	.00290	2.6607	.07869
#2	.04845	.12444	200.51	5.6834	.04378	36.101	2.6341	.00232	2.6885	.07828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2181**	**.02231**	**.81514**	**-.00471**	**.00010**	**.97950**	**2.0961**	**.02081**	**.21049**	**.02753**
Stddev	.0326	.00110	.00084	.00106	.00193	.02117	.0453	.00035	.00068	.00013
%RSD	.35317	4.9146	.10283	22.548	1994.8	2.1608	2.1608	1.6641	.32324	.47527
#1	9.2411	.02308	.81455	-.00396	.00146	.96453	2.0641	.02056	.21097	.02762
#2	9.1950	.02153	.81574	-.00547	-.00127	.99447	2.1282	.02105	.21000	.02744
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.491**	**-.00366**	W **-.09622**	**.55572**	**.35976**	**.20403**
Stddev	.041	.00027	.00597	.00022	.00107	.00099
%RSD	.21073	7.4036	6.2047	.03979	.29650	.48367
#1	19.462	-.00385	-.10044	.55587	.36051	.20473
#2	19.520	-.00346	-.09200	.55556	.35900	.20334
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9181.8**	**116050.**	**9618.0**
Stddev	17.9	463.	40.5
%RSD	.19539	.39928	.42058
#1	9169.2	115720.	9589.3
#2	9194.5	116380.	9646.6

Sample Name: 280-48909-a-12-a Acquired: 11/9/2013 3:10:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00296**	**39.405**	**.01498**	**.00339**	**.62501**	**.00085**	**.00284**	**57.662**	**.00047**	**.08253**
Stddev	.00029	.116	.00159	.00011	.00133	.00003	.00420	.129	.00028	.00107
%RSD	9.7518	.29364	10.621	3.3259	.21205	3.4702	147.79	.22424	59.069	1.2963
#1	-.00275	39.487	.01386	.00347	.62595	.00087	.00581	57.753	.00067	.08178
#2	-.00316	39.323	.01611	.00331	.62407	.00083	-.00013	57.570	.00027	.08329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04419**	**.13072**	**229.88**	**4.8878**	**.03603**	**38.568**	**2.7389**	**.00270**	**2.3022**	**.08506**
Stddev	.00032	.00005	.02	.0258	.00186	.084	.0034	.00012	.0108	.00037
%RSD	.72561	.04039	.00730	.52828	5.1599	.21672	.12439	4.3830	.46735	.43287
#1	.04397	.13075	229.87	4.9061	.03735	38.627	2.7365	.00261	2.3098	.08480
#2	.04442	.13068	229.90	4.8695	.03472	38.509	2.7413	.00278	2.2945	.08532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.511**	**.02259**	**1.0068**	**-.00557**	**-.00209**	**1.1730**	**2.5102**	**.02476**	**.21223**	**.02611**
Stddev	.004	.00015	.0018	.00017	.00124	.0344	.0737	.00118	.00007	.00242
%RSD	.04080	.66875	.17969	3.0535	59.289	2.9357	2.9357	4.7788	.03369	9.2537
#1	10.514	.02269	1.0055	-.00545	-.00122	1.1974	2.5623	.02559	.21218	.02440
#2	10.508	.02248	1.0081	-.00569	-.00297	1.1487	2.4581	.02392	.21228	.02782
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.076**	**-.00371**	W **-.08217**	**.66655**	**.39476**	**.22125**
Stddev	.434	.00000	.03520	.00116	.00045	.00052
%RSD	1.8823	.13103	42.842	.17344	.11278	.23647
#1	23.383	-.00371	-.05728	.66737	.39507	.22162
#2	22.769	-.00372	-.10706	.66574	.39444	.22088
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9341.9**	**118450.**	**9928.3**
Stddev	32.7	711.	86.3
%RSD	.34993	.59986	.86899
#1	9318.8	117940.	9867.3
#2	9365.0	118950.	9989.3

Sample Name: 280-48909-a-13-a Acquired: 11/9/2013 3:13:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**43.214**	**.01300**	**.00094**	**.62725**	**.00101**	**.00334**	**61.290**	**.00048**	**.08657**
Stddev	.00094	.082	.00301	.00000	.00048	.00007	.00223	.035	.00005	.00048
%RSD	34.711	.18935	23.147	.23997	.07731	7.1336	66.631	.05698	10.253	.55274
#1	-.00336	43.156	.01087	.00094	.62690	.00106	.00492	61.265	.00044	.08623
#2	-.00204	43.272	.01513	.00094	.62759	.00096	.00177	61.315	.00051	.08691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04976**	**.14106**	**245.16**	**5.8922**	**.04504**	**40.891**	**2.8895**	**.00299**	**2.7951**	**.07580**
Stddev	.00027	.00120	.29	.0413	.00083	.056	.0535	.00020	.0078	.00035
%RSD	.53593	.85189	.11663	.70000	1.8391	.13738	1.8528	6.7655	.27856	.46153
#1	.04994	.14191	244.95	5.8630	.04563	40.931	2.8517	.00284	2.7895	.07555
#2	.04957	.14021	245.36	5.9214	.04446	40.851	2.9274	.00313	2.8006	.07605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.551**	**.02501**	**.98718**	**-.00507**	W **-.00594**	**1.1805**	**2.5262**	**.02372**	**.22975**	**.02970**
Stddev	.018	.00086	.00115	.00072	.00191	.0118	.0254	.00049	.00039	.00075
%RSD	.16663	3.4295	.11698	14.300	32.071	1.0035	1.0035	2.0587	.17156	2.5213
#1	10.564	.02440	.98799	-.00455	-.00729	1.1889	2.5441	.02407	.22947	.03023
#2	10.539	.02561	.98636	-.00558	-.00459	1.1721	2.5083	.02338	.23003	.02917
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.536**	**-.00342**	F **-.13187**	**.68582**	**.43179**	**.23067**
Stddev	.150	.00088	.01128	.00110	.00179	.00014
%RSD	.63693	25.747	8.5565	.16047	.41541	.06098
#1	23.642	-.00279	-.12390	.68504	.43052	.23077
#2	23.430	-.00404	-.13985	.68659	.43306	.23057
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9427.7**	**120000.**	**10023.**
Stddev	24.7	489.	14.
%RSD	.26174	.40748	.13961
#1	9445.2	120350.	10033.
#2	9410.3	119660.	10013.

Sample Name: 280-48909-a-14-a Acquired: 11/9/2013 3:15:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**2.0422**	**.00379**	**.00241**	**.01994**	**.00072**	**-.00250**	**.37444**	**.00026**	**.00175**
Stddev	.00053	.0000	.00279	.00082	.00014	.00001	.00092	.00189	.00004	.00019
%RSD	165.86	.00148	73.494	34.036	.72504	1.7365	36.636	.50580	14.126	10.800
#1	-.00069	2.0422	.00182	.00299	.02004	.00073	-.00185	.37578	.00024	.00162
#2	.00005	2.0422	.00576	.00183	.01984	.00071	-.00315	.37310	.00029	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.00434**	**7.2090**	**.67001**	**.00359**	**.34137**	**.06631**	**.00056**	**.04291**	**.00252**
Stddev	.00001	.00011	.0000	.05760	.00195	.00206	.00028	.00004	.00593	.00031
%RSD	.29290	2.5890	.00052	8.5966	54.375	.60408	.42376	6.5735	13.823	12.106
#1	.00203	.00426	7.2090	.71074	.00221	.33991	.06612	.00053	.03872	.00230
#2	.00203	.00442	7.2091	.62928	.00498	.34282	.06651	.00058	.04711	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07894**	**.00563**	**.04697**	**-.00015**	**.00479**	**.88404**	**1.8918**	**.00260**	**.00488**	**.01423**
Stddev	.00078	.00194	.00340	.00082	.00085	.02988	.0639	.00139	.00010	.00143
%RSD	.98512	34.526	7.2449	564.29	17.674	3.3796	3.3796	53.545	2.0464	10.027
#1	.07949	.00425	.04456	.00044	.00419	.90516	1.9370	.00161	.00495	.01524
#2	.07839	.00700	.04937	-.00073	.00539	.86291	1.8466	.00358	.00481	.01322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10532**	**-.00046**	**-.04841**	**.00679**	**.01565**	**.01185**
Stddev	.00025	.00044	.00765	.00044	.00027	.00061
%RSD	.23633	94.904	15.808	6.5247	1.7364	5.1344
#1	.10514	-.00015	-.05382	.00710	.01546	.01228
#2	.10549	-.00077	-.04300	.00647	.01585	.01142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8733.9**	**111910.**	**8828.6**
Stddev	11.1	85.	31.3
%RSD	.12726	.07558	.35455
#1	8726.1	111970.	8850.7
#2	8741.8	111850.	8806.5

Sample Name: CCVH-2357613 Acquired: 11/9/2013 3:17:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**50.059**	**.00390**	**.00464**	**.00030**	**.00010**	**1.0235**	**.00989**	**-.00004**	**-.00051**	**-.00010**	**.00882**	**47.889**
Stddev	.00002	.127	.00062	.00001	.00007	.00001	.0064	.00053	.00006	.00009	.00010	.00053	.092
%RSD	.60910	.25452	15.990	.12761	22.541	9.4107	.62502	5.3442	144.02	17.987	102.49	6.0540	.19203
#1	.00378	49.969	.00346	.00463	.00025	.00011	1.0190	.01027	-.00009	-.00044	-.00017	.00920	47.954
#2	.00375	50.150	.00434	.00464	.00035	.00009	1.0280	.00952	.00000	-.00057	-.00003	.00845	47.824
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01948**	**.00553**	**.08030**	**.00054**	**-.00037**	**260.76**	**.00014**	**.00188**	**.00181**	**5.0464**	**.00084**	**-.00168**	**.01708**
Stddev	.07227	.00036	.00000	.00006	.00006	.17	.00001	.00092	.00116	.0183	.00423	.00234	.00273
%RSD	370.97	6.5550	.00337	11.123	16.928	.06676	3.7333	49.128	63.897	.36250	506.34	139.18	15.975
#1	.07058	.00578	.08030	.00049	-.00033	260.64	.00014	.00254	.00099	5.0335	-.00216	-.00334	.01515
#2	-.03162	.00527	.08031	.00058	-.00042	260.89	.00014	.00123	.00263	5.0593	.00383	-.00003	.01901
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03655**	**-.00052**	**.00034**	**4.8313**	**-.00276**	**.00183**	**10.169**	**.00054**	**.00215**	**.01969**
Stddev	.00584	.00060	.00002	.0044	.00027	.00083	.033	.00007	.00014	.00383
%RSD	15.975	116.96	5.8965	.09027	9.7106	45.276	.32241	12.415	6.4015	19.467
#1	.03242	-.00009	.00033	4.8282	-.00257	.00242	10.192	.00059	.00206	.02240
#2	.04068	-.00094	.00035	4.8344	-.00295	.00125	10.146	.00049	.00225	.01698
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8287.1**	**103220.**	**8607.6**
Stddev	32.9	197.	52.6
%RSD	.39741	.19096	.61122
#1	8263.9	103080.	8644.8
#2	8310.4	103360.	8570.4

Sample Name: CCV-2357614 Acquired: 11/9/2013 3:20:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50116**	**.50890**	**1.0096**	**.51148**	**.50528**	**.49295**	**.00382**	**4.9714**	**.50832**	**.50468**	**.50042**	**.51387**	**2.3796**
Stddev	.00025	.00080	.0055	.00035	.00032	.00049	.00222	.0130	.00156	.00051	.00113	.00018	.0102
%RSD	.04991	.15802	.53975	.06823	.06296	.09886	58.019	.26085	.30691	.10057	.22546	.03589	.42994
#1	.50098	.50833	1.0134	.51173	.50551	.49330	.00539	4.9805	.50943	.50504	.50122	.51400	2.3868
#2	.50134	.50947	1.0057	.51123	.50506	.49261	.00225	4.9622	.50722	.50432	.49962	.51374	2.3724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.790**	**1.0068**	**19.644**	**.49832**	**.50963**	**5.2648**	**.50764**	**1.0076**	**1.0326**	**.00825**	**1.0289**	**1.0151**	**4.8685**
Stddev	.052	.0032	.009	.00044	.00354	.0058	.00033	.0072	.0090	.00167	.0069	.0014	.0002
%RSD	.10036	.32099	.04614	.08916	.69466	.10993	.06571	.71548	.86833	20.270	.67290	.13756	.00460
#1	51.827	1.0045	19.638	.49801	.51213	5.2689	.50787	1.0127	1.0389	.00943	1.0338	1.0142	4.8686
#2	51.754	1.0091	19.650	.49864	.50712	5.2607	.50740	1.0025	1.0263	.00706	1.0240	1.0161	4.8683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.419**	**1.0156**	**.50087**	**-.00253**	**.50371**	**1.0285**	**.01314**	**.50513**	**.49569**	**.50465**
Stddev	.000	.0026	.00080	.00016	.00050	.0020	.02849	.00091	.00043	.00082
%RSD	.00460	.25447	.15924	6.1295	.09972	.19330	216.78	.18043	.08681	.16318
#1	10.419	1.0174	.50144	-.00242	.50406	1.0299	-.00700	.50577	.49599	.50523
#2	10.418	1.0138	.50031	-.00264	.50335	1.0271	.03328	.50448	.49538	.50406
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8504.1**	**108090.**	**8699.3**
Stddev	.7	217.	.4
%RSD	.00871	.20115	.00489
#1	8503.6	108250.	8699.6
#2	8504.6	107940.	8699.0

Sample Name: CCB Acquired: 11/9/2013 3:22:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00260**	**.00167**	**.00130**	**-.00025**	**.00017**	**-.00063**	**.00314**	**.00041**	**-.00012**	**.00021**	**.00017**
Stddev	.00004	.00030	.00003	.00040	.00036	.00000	.00102	.00136	.00009	.00009	.00016	.00037
%RSD	8.6226	11.354	2.0537	30.939	141.97	1.9263	163.25	43.224	22.363	70.871	73.725	210.67
#1	.00044	.00239	.00164	.00159	-.00051	.00017	-.00135	.00218	.00035	-.00018	.00032	.00043
#2	.00039	.00281	.00169	.00102	.00000	.00018	.00010	.00410	.00048	-.00006	.00010	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.00692**	**.00123**	**.00092**	**.00011**	**.00053**	**-.02832**	**-.00034**	**.00063**	**.00049**	**.01692**	W **.00610**
Stddev	.00022	.03651	.00366	.00067	.00006	.00015	.00547	.00017	.00115	.00013	.00144	.00148
%RSD	2.6218	527.39	298.15	73.507	53.173	29.051	19.305	49.048	181.47	26.522	8.5153	24.236
#1	.00851	.03274	-.00136	.00044	.00007	.00042	-.03219	-.00045	-.00018	.00058	.01793	.00715
#2	.00820	-.01890	.00381	.00139	.00015	.00063	-.02446	-.00022	.00145	.00040	.01590	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	**-.00029**	**-.00062**	**.00001**	**-.00001**	**-.00002**	F **.00103**	**.00027**	**.03897**	**-.00046**	**.00428**	**.00151**
Stddev	.00372	.00774	.01656	.00058	.00002	.00076	.00005	.00015	.00060	.00033	.00041	.00040
%RSD	120.85	2670.8	2670.8	4059.1	181.46	4957.3	4.5013	56.376	1.5390	71.631	9.6630	26.175
#1	.00570	.00518	.01109	-.00039	-.00002	-.00055	.00107	.00038	.03939	-.00070	.00457	.00123
#2	.00045	-.00576	-.01233	.00042	.00000	.00052	.00100	.00016	.03854	-.00023	.00399	.00179
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00100					
Low Limit							-.00100					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8524.1**	**109970.**	**8659.1**
Stddev	25.1	93.	2.6
%RSD	.29419	.08437	.02979
#1	8541.8	109900.	8661.0
#2	8506.3	110030.	8657.3

Sample Name: CCVL2367586 Acquired: 11/9/2013 3:24:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01029**	**.10672**	**.01469**	**.10084**	**.01020**	**.00109**	**.12704**	**.21580**	**.00543**	**.01032**	**.01051**	**.01572**	**.10299**
Stddev	.00009	.00038	.00212	.00041	.00004	.00002	.00071	.00234	.00023	.00004	.00013	.00000	.00534
%RSD	.90973	.35156	14.406	.40913	.39667	1.5341	.55573	1.0859	4.2792	.39107	1.2514	.01848	5.1895
#1	.01035	.10646	.01619	.10055	.01017	.00110	.12654	.21745	.00526	.01029	.01041	.01572	.09921
#2	.01022	.10699	.01319	.10113	.01023	.00108	.12754	.21414	.00559	.01035	.01060	.01571	.10677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1810**	**.01243**	**.20656**	**.01039**	**.02070**	**1.0489**	**.04193**	**2.9594**	**.01020**	**.01669**	**.00780**	**.01755**	**.49276**
Stddev	.0275	.00065	.00168	.00003	.00006	.0021	.00055	.0107	.00042	.00086	.00041	.00182	.01926
%RSD	.86516	5.2562	.81142	.29089	.27189	.19639	1.3019	.36072	4.0943	5.1472	5.2350	10.359	3.9078
#1	3.2005	.01289	.20537	.01041	.02066	1.0503	.04155	2.9518	.00991	.01730	.00808	.01626	.50637
#2	3.1616	.01196	.20774	.01036	.02074	1.0474	.04232	2.9669	.01050	.01608	.00751	.01883	.47914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0545**	**.10522**	**.01036**	**.01318**	**.01093**	**.01618**	F **.13934**	**.00963**	**.02586**	**.01709**
Stddev	.0412	.00014	.00012	.00025	.00004	.00027	.01438	.00008	.00049	.00092
%RSD	3.9078	.13401	1.1870	1.8895	.34828	1.6778	10.322	.84206	1.8784	5.4100
#1	1.0836	.10512	.01045	.01300	.01090	.01637	.14951	.00957	.02551	.01644
#2	1.0254	.10532	.01027	.01336	.01095	.01599	.12917	.00968	.02620	.01775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8671.9**	**110730.**	**8777.4**
Stddev	11.0	294.	24.4
%RSD	.12712	.26574	.27828
#1	8679.7	110940.	8760.1
#2	8664.1	110530.	8794.7

Sample Name: mb 280-199790/1-a Acquired: 11/9/2013 3:27:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00946**	**.00235**	**.00113**	**.00025**	**.00014**	**.00240**	**.07256**	**.00057**	**-.00032**
Stddev	.00080	.00362	.00203	.00010	.00047	.00004	.00048	.00312	.00018	.00003
%RSD	642.07	38.305	86.188	8.4444	183.45	29.001	20.072	4.3037	31.128	11.017
#1	-.00069	.00690	.00379	.00106	-.00008	.00011	.00206	.07477	.00045	-.00034
#2	.00044	.01202	.00092	.00120	.00058	.00017	.00275	.07035	.00070	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00097**	**.01803**	**.09472**	**.00317**	**.01069**	**.00037**	**.00031**	**.01360**	**.00041**
Stddev	.00003	.00036	.00244	.00867	.00186	.00227	.00000	.00010	.00440	.00007
%RSD	11.664	37.029	13.539	9.1565	58.886	21.237	1.0407	31.303	32.341	18.182
#1	.00027	.00071	.01976	.08859	.00185	.01230	.00037	.00024	.01671	.00036
#2	.00032	.00122	.01631	.10085	.00448	.00909	.00038	.00038	.01049	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00477**	**.00089**	W **.05377**	**-.00087**	**.00256**	**.02499**	**.05348**	**.00383**	**.00060**	**-.00106**
Stddev	.00161	.00066	.00047	.00211	.00255	.01405	.03006	.00028	.00002	.00175
%RSD	33.742	74.141	.87747	243.69	99.605	56.206	56.206	7.3426	2.9750	164.87
#1	.00363	.00135	.05411	.00063	.00436	.01506	.03223	.00402	.00062	.00018
#2	.00590	.00042	.05344	-.00236	.00076	.03492	.07473	.00363	.00059	-.00230
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**-.00138**	**.04348**	**-.00023**	**.00524**	**.00290**
Stddev	.00015	.00021	.05844	.00056	.00017	.00058
%RSD	14.659	14.890	134.39	246.00	3.1776	19.902
#1	.00089	-.00153	.00216	.00017	.00536	.00331
#2	.00110	-.00124	.08480	-.00063	.00512	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8800.6**	**113560.**	**9100.1**
Stddev	15.1	183.	34.2
%RSD	.17196	.16143	.37586
#1	8789.9	113690.	9075.9
#2	8811.3	113430.	9124.3

Sample Name: lcs 280-199790/2-a Acquired: 11/9/2013 3:29:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04796**	**1.8620**	**.97316**	**.95706**	**1.9884**	**.04815**	**2.2503**	**47.555**	**.10188**	**.48327**
Stddev	.00015	.0004	.00145	.00268	.0098	.00049	.0060	.286	.00007	.00047
%RSD	.31915	.02030	.14859	.27980	.49284	1.0145	.26519	.60104	.06712	.09792
#1	.04785	1.8617	.97419	.95516	1.9815	.04780	2.2460	47.353	.10192	.48361
#2	.04807	1.8622	.97214	.95895	1.9954	.04849	2.2545	47.757	.10183	.48294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19621**	**.25312**	**.91943**	**50.952**	**.98462**	**46.917**	**.47903**	**.98844**	**53.082**	**.48503**
Stddev	.00025	.00082	.00414	.340	.00249	.019	.00027	.00038	.207	.00079
%RSD	.12501	.32582	.44985	.66700	.25272	.04075	.05704	.03797	.38945	.16242
#1	.19604	.25254	.91650	50.712	.98286	46.931	.47923	.98870	52.936	.48447
#2	.19639	.25371	.92235	51.192	.98638	46.903	.47884	.98817	53.228	.48558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9141**	**.48390**	**.01129**	**.46702**	**1.9172**	F **.56553**	**1.2102**	**1.9373**	**.98376**	**.96564**
Stddev	.0119	.00175	.00090	.00419	.0005	.01101	.0236	.0083	.00572	.00209
%RSD	.12022	.36082	7.9381	.89642	.02402	1.9462	1.9462	.42585	.58153	.21598
#1	9.9057	.48514	.01193	.46998	1.9175	.55775	1.1936	1.9431	.97972	.96416
#2	9.9226	.48267	.01066	.46406	1.9169	.57331	1.2269	1.9315	.98781	.96711
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98086**	**1.8958**	**2.1192**	**.49817**	**.47181**	**.49560**
Stddev	.00054	.0089	.0479	.00052	.00005	.00413
%RSD	.05517	.47149	2.2590	.10511	.00972	.83313
#1	.98124	1.9022	2.1530	.49854	.47185	.49268
#2	.98047	1.8895	2.0853	.49780	.47178	.49852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8328.4**	**106220.**	**8834.7**
Stddev	9.7	111.	30.4
%RSD	.11691	.10483	.34407
#1	8335.2	106140.	8856.2
#2	8321.5	106300.	8813.2

Sample Name: 280-48913-a-1-a Acquired: 11/9/2013 3:31:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00285**	**80.162**	**.03676**	**.00576**	**.48869**	**.00232**	**.00253**	**46.099**	**.00039**	**.09432**
Stddev	.00011	.414	.00089	.00001	.00206	.00009	.00676	.279	.00002	.00013
%RSD	3.9940	.51586	2.4172	.13381	.42136	4.0664	266.91	.60421	5.7637	.13549
#1	-.00277	79.869	.03613	.00577	.48723	.00225	.00732	45.902	.00041	.09441
#2	-.00293	80.454	.03739	.00576	.49015	.00239	-.00225	46.296	.00038	.09423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10494**	**.17153**	**248.86**	**12.191**	**.08627**	**54.191**	**3.4675**	**.00298**	**2.5711**	**.15209**
Stddev	.00004	.00003	.43	.024	.00102	.147	.0496	.00018	.0158	.00058
%RSD	.03985	.01637	.17450	.19957	1.1789	.27131	1.4313	6.1574	.61290	.37885
#1	.10497	.17155	248.55	12.174	.08555	54.295	3.5026	.00285	2.5599	.15168
#2	.10491	.17151	249.16	12.208	.08699	54.087	3.4324	.00311	2.5822	.15250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3350**	**.05011**	**.51787**	**-.00037**	**-.00096**	**2.1141**	**4.5241**	**.02468**	**.24167**	**.03543**
Stddev	.0148	.00033	.00273	.00164	.00394	.0388	.0830	.00081	.00082	.00198
%RSD	.17717	.65421	.52746	447.58	412.61	1.8341	1.8341	3.2708	.33948	5.5755
#1	8.3454	.05034	.51594	.00079	.00183	2.0867	4.4655	.02525	.24109	.03682
#2	8.3245	.04988	.51980	-.00153	-.00374	2.1415	4.5828	.02411	.24225	.03403
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **20.830**	**-.00406**	F **-.13181**	**.66021**	**.47099**	**.26758**
Stddev	.049	.00102	.00086	.00257	.00285	.00630
%RSD	.23565	25.131	.65582	.38879	.60589	2.3539
#1	20.795	-.00478	-.13120	.66202	.47300	.26313
#2	20.864	-.00334	-.13242	.65839	.46897	.27204
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9271.6**	**117030.**	**9792.9**
Stddev	3.5	779.	59.4
%RSD	.03730	.66573	.60638
#1	9269.1	116480.	9834.9
#2	9274.0	117580.	9750.9

Sample Name: 280-48913-a-1-aSD@5 Acquired: 11/9/2013 3:33:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**18.423**	**.00657**	**.00221**	**.11141**	**.00066**	**.00298**	**10.605**	**.00055**	**.02258**
Stddev	.00001	.100	.00129	.00020	.00010	.00004	.00052	.016	.00001	.00003
%RSD	.96952	.54338	19.713	9.2138	.09397	5.4793	17.284	.14737	1.4136	.13372
#1	-.00090	18.352	.00565	.00207	.11134	.00069	.00335	10.594	.00056	.02256
#2	-.00092	18.494	.00748	.00235	.11149	.00064	.00262	10.616	.00055	.02260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02450**	**.03927**	**57.763**	**2.7927**	**.01883**	**12.367**	**.80726**	**.00081**	**.54332**	**.03566**
Stddev	.00009	.00014	.366	.0346	.00189	.020	.00074	.00009	.00339	.00082
%RSD	.36606	.35354	.63442	1.2402	10.025	.16237	.09149	10.584	.62370	2.2930
#1	.02456	.03937	57.504	2.7682	.01750	12.353	.80674	.00075	.54092	.03624
#2	.02444	.03918	58.022	2.8172	.02017	12.382	.80778	.00087	.54571	.03508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9163**	**.01195**	**.13079**	**.00113**	**.00021**	**.50714**	**1.0853**	**.00683**	**.05579**	**.00822**
Stddev	.0008	.00005	.00172	.00121	.00201	.02179	.0466	.00060	.00044	.00194
%RSD	.04080	.39252	1.3176	107.44	970.15	4.2961	4.2961	8.7759	.79144	23.630
#1	1.9169	.01199	.12957	.00027	-.00121	.52255	1.1183	.00726	.05548	.00685
#2	1.9158	.01192	.13201	.00198	.00163	.49174	1.0523	.00641	.05610	.00959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7747**	**.00103**	**-.01104**	**.15019**	**.11530**	**.06162**
Stddev	.0025	.00052	.01628	.00067	.00001	.00019
%RSD	.05227	51.014	147.49	.44879	.00766	.30463
#1	4.7729	.00139	-.02255	.14971	.11529	.06175
#2	4.7764	.00066	.00047	.15066	.11530	.06148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8737.5**	**111680.**	**8947.5**
Stddev	1.0	437.	56.0
%RSD	.01120	.39107	.62557
#1	8738.2	111990.	8907.9
#2	8736.8	111370.	8987.1

Sample Name: 280-48913-a-1-b du Acquired: 11/9/2013 3:36:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00289**	**71.903**	**.02739**	**.00410**	**.42907**	**.00202**	**.00888**	**42.995**	**.00052**	**.08424**
Stddev	.00024	.090	.00040	.00012	.00025	.00012	.00122	.144	.00002	.00048
%RSD	8.2407	.12486	1.4539	2.9224	.05729	5.7632	13.722	.33423	3.2262	.57296
#1	-.00306	71.840	.02767	.00402	.42890	.00194	.00801	42.893	.00051	.08458
#2	-.00272	71.967	.02711	.00419	.42925	.00210	.00974	43.097	.00054	.08390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09377**	**.15950**	**232.19**	**10.588**	**.07438**	**47.883**	**3.1590**	**.00312**	**2.4724**	**.12819**
Stddev	.00006	.00027	.58	.045	.00026	.241	.0254	.00018	.0020	.00013
%RSD	.05935	.17046	.24833	.42744	.34633	.50407	.80543	5.8509	.08145	.09999
#1	.09381	.15931	231.78	10.556	.07456	48.054	3.1770	.00325	2.4738	.12828
#2	.09373	.15970	232.60	10.620	.07419	47.713	3.1410	.00299	2.4710	.12810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.9898**	**.04410**	**.52397**	**-.00292**	**-.00466**	**1.8141**	**3.8822**	**.02480**	**.22245**	**.03238**
Stddev	.0158	.00010	.00561	.00092	.00090	.0017	.0036	.00041	.00019	.00059
%RSD	.19806	.23640	1.0712	31.348	19.267	.09328	.09328	1.6462	.08472	1.8285
#1	7.9787	.04417	.52794	-.00227	-.00530	1.8129	3.8797	.02451	.22232	.03280
#2	8.0010	.04403	.52000	-.00357	-.00403	1.8153	3.8848	.02509	.22258	.03196
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.255**	**-.00350**	F **-.10993**	**.65231**	**.42781**	**.25138**
Stddev	.094	.00290	.01698	.00153	.00319	.00049
%RSD	.44356	82.830	15.444	.23438	.74638	.19539
#1	21.188	-.00555	-.09792	.65339	.43007	.25173
#2	21.321	-.00145	-.12193	.65123	.42555	.25103
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9271.5**	**117010.**	**9718.4**
Stddev	1.0	70.	52.4
%RSD	.01106	.05972	.53916
#1	9272.2	117060.	9755.5
#2	9270.7	116960.	9681.4

Sample Name: 280-48913-a-1-c ms Acquired: 11/9/2013 3:38:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04036**	**104.62**	**.81586**	**.79570**	**2.2747**	**.04407**	F **1.9502**	**101.76**	**.08856**	**.49913**
Stddev	.00036	.27	.00085	.00052	.0006	.00001	.0018	.30	.00004	.00135
%RSD	.89925	.25718	.10378	.06510	.02538	.03244	.09340	.29074	.04136	.27128
#1	.04062	104.43	.81646	.79534	2.2743	.04406	1.9489	101.55	.08858	.49818
#2	.04010	104.81	.81526	.79607	2.2751	.04408	1.9515	101.97	.08853	.50009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28229**	**.39396**	**257.34**	**58.920**	**.96537**	**99.393**	**4.1737**	**.82412**	**52.482**	**.54695**
Stddev	.00005	.00083	.42	.138	.00145	1.068	.0345	.00024	.325	.00107
%RSD	.01751	.21116	.16179	.23463	.15057	1.0749	.82648	.02969	.61921	.19568
#1	.28225	.39455	257.05	58.822	.96434	98.638	4.1981	.82395	52.712	.54620
#2	.28232	.39337	257.63	59.018	.96640	100.15	4.1493	.82429	52.252	.54771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.153**	**.44727**	**.48476**	**.20597**	**1.5909**	**3.9840**	**8.5259**	**1.3627**	**1.1628**	**.88754**
Stddev	.024	.00077	.00309	.00223	.0006	.0229	.0489	.0004	.0001	.00071
%RSD	.15984	.17267	.63694	1.0816	.03876	.57374	.57374	.03199	.01154	.07964
#1	15.136	.44782	.48258	.20754	1.5914	3.9679	8.4913	1.3630	1.1627	.88704
#2	15.170	.44673	.48695	.20439	1.5905	4.0002	8.5604	1.3624	1.1629	.88804
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.904**	**1.5421**	**1.6703**	**1.1399**	**.88021**	**.71891**
Stddev	.143	.0062	.0163	.0013	.00323	.00214
%RSD	.65259	.39952	.97838	.11418	.36671	.29828
#1	22.005	1.5465	1.6588	1.1409	.87793	.71739
#2	21.803	1.5377	1.6819	1.1390	.88249	.72042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9121.0**	**115220.**	**9960.7**
Stddev	1.0	339.	29.1
%RSD	.01149	.29457	.29183
#1	9121.7	115460.	9981.3
#2	9120.2	114980.	9940.2

Sample Name: CCVH-2357613 Acquired: 11/9/2013 3:41:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**49.997**	**.00226**	**.00622**	**.00029**	**.00005**	**1.0335**	**.02026**	**-.00012**	**-.00062**	**-.00009**	**.00882**	**48.457**
Stddev	.00005	.056	.00221	.00029	.00039	.00005	.0071	.00382	.00007	.00010	.00003	.00030	.099
%RSD	1.4202	.11142	97.652	4.7095	134.93	100.12	.68988	18.853	58.626	16.385	28.437	3.4091	.20516
#1	.00371	49.957	.00383	.00601	.00001	.00002	1.0385	.02296	-.00007	-.00055	-.00007	.00903	48.528
#2	.00378	50.036	.00070	.00643	.00057	.00009	1.0284	.01756	-.00016	-.00069	-.00011	.00861	48.387
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06640**	**.00259**	**.09033**	**.00098**	**.00000**	**262.50**	**-.00023**	**.00225**	**.00136**	**5.0866**	**.00416**	**.00119**	**.02609**
Stddev	.02623	.00033	.00118	.00001	.00006	.38	.00012	.00081	.00067	.0108	.00124	.00048	.00770
%RSD	39.499	12.679	1.3102	.67084	1343.8	.14442	50.984	36.197	49.606	.21261	29.734	40.135	29.500
#1	.04785	.00282	.09117	.00099	-.00004	262.77	-.00015	.00167	.00088	5.0942	.00503	.00153	.03153
#2	.08494	.00236	.08950	.00098	.00005	262.24	-.00031	.00282	.00183	5.0789	.00328	.00085	.02064
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05582**	**.00035**	**.00059**	**4.8050**	**.00160**	**.00195**	**10.070**	**.00056**	**.00228**	**.02410**
Stddev	.01647	.00051	.00005	.0036	.00035	.00051	.002	.00084	.00033	.00464
%RSD	29.500	146.09	8.8847	.07524	21.627	26.258	.02340	148.42	14.422	19.261
#1	.06747	.00072	.00055	4.8075	.00185	.00231	10.072	-.00003	.00204	.02081
#2	.04418	-.00001	.00063	4.8024	.00136	.00159	10.068	.00115	.00251	.02738
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8408.1**	**106060.**	**8795.0**
Stddev	4.6	45.	1.9
%RSD	.05415	.04212	.02175
#1	8404.9	106030.	8796.4
#2	8411.3	106090.	8793.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 3:43:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49661**	**.50923**	**1.0035**	**.50811**	**.50602**	**.49106**	**.00309**	**4.9513**	**.50514**	**.50335**	**.49728**	**.50950**	**2.3766**
Stddev	.00076	.00050	.0003	.00066	.00025	.00025	.00030	.0088	.00004	.00044	.00023	.00112	.0022
%RSD	.15394	.09896	.02489	.12954	.04938	.05071	9.7306	.17732	.00788	.08806	.04576	.21963	.09078
#1	.49715	.50888	1.0033	.50764	.50619	.49088	.00330	4.9575	.50517	.50367	.49712	.50871	2.3751
#2	.49607	.50959	1.0036	.50857	.50584	.49124	.00287	4.9451	.50511	.50304	.49744	.51030	2.3781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.539**	**1.0017**	**19.445**	**.49448**	**.50538**	**5.2518**	**.50415**	**1.0062**	**1.0212**	**.00845**	**1.0260**	**1.0099**	**4.8205**
Stddev	.040	.0007	.050	.00006	.00125	.0297	.00041	.0030	.0003	.00017	.0010	.0042	.0197
%RSD	.07840	.07154	.25570	.01198	.24764	.56551	.08211	.29813	.02836	2.0269	.09457	.41442	.40845
#1	51.568	1.0012	19.480	.49452	.50627	5.2728	.50386	1.0041	1.0214	.00857	1.0267	1.0128	4.8066
#2	51.510	1.0022	19.409	.49444	.50450	5.2308	.50444	1.0083	1.0210	.00832	1.0253	1.0069	4.8345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.316**	**1.0053**	**.50142**	**-.00344**	**.50162**	**1.0268**	**.02103**	**.50125**	**.49424**	**.50730**
Stddev	.042	.0016	.00009	.00074	.00017	.0052	.01046	.00035	.00093	.00449
%RSD	.40845	.16129	.01856	21.482	.03374	.50514	49.707	.06918	.18779	.88540
#1	10.286	1.0065	.50136	-.00396	.50150	1.0305	.01364	.50100	.49358	.50412
#2	10.346	1.0042	.50149	-.00292	.50174	1.0232	.02843	.50150	.49489	.51048
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8645.1**	**109830.**	**9011.5**
Stddev	16.7	124.	43.2
%RSD	.19259	.11275	.47954
#1	8656.9	109740.	8980.9
#2	8633.3	109910.	9042.0

Sample Name: CCB Acquired: 11/9/2013 3:45:39 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00350**	**.00008**	**.00157**	**-.00040**	**.00010**	**.00276**	**.00344**	**.00038**	**-.00006**	**.00013**	**.00003**
Stddev	.00086	.00032	.00058	.00069	.00019	.00002	.00195	.00253	.00028	.00014	.00008	.00016
%RSD	527.93	9.0098	738.54	44.000	47.307	14.571	70.684	73.629	74.137	215.96	60.328	636.55
#1	.00077	.00372	.00049	.00108	-.00054	.00012	.00414	.00522	.00058	.00003	.00007	-.00009
#2	-.00044	.00328	-.00033	.00205	-.00027	.00009	.00138	.00165	.00018	-.00016	.00018	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.05022**	**.00209**	**.00450**	**.00010**	**.00027**	**-.02741**	**.00000**	**.00061**	**.00136**	**.01317**	W **.00451**
Stddev	.00048	.02331	.00247	.00168	.00000	.00020	.01285	.00003	.00008	.00021	.00135	.00017
%RSD	5.7549	46.415	118.37	37.272	4.3436	73.891	46.874	1310.7	12.666	15.074	10.236	3.7197
#1	.00875	.03374	.00034	.00331	.00011	.00041	-.01833	.00003	.00056	.00151	.01222	.00463
#2	.00807	.06670	.00384	.00568	.00010	.00013	-.03650	-.00002	.00067	.00122	.01412	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.01181**	**.02528**	**.00021**	**.00024**	**.00046**	W **.00069**	**.00011**	**.02101**	**-.00039**	**.00409**	**.00173**
Stddev	.00124	.00798	.01708	.00022	.00011	.00159	.00018	.00030	.00078	.00031	.00045	.00162
%RSD	57.701	67.569	67.569	106.10	46.355	346.65	26.009	276.68	3.7024	79.840	10.961	93.937
#1	.00303	.00617	.01320	.00037	.00032	.00159	.00057	.00032	.02156	-.00017	.00378	.00287
#2	.00127	.01745	.03735	.00005	.00016	-.00067	.00082	-.00010	.02046	-.00060	.00441	.00058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00060					
Low Limit							-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8577.8**	**110780.**	**8806.7**
Stddev	3.8	40.	5.5
%RSD	.04451	.03642	.06199
#1	8575.1	110810.	8810.5
#2	8580.5	110750.	8802.8

Sample Name: CCVL2367586 Acquired: 11/9/2013 3:47:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00983**	**.10762**	**.01542**	**.10105**	**.01018**	**.00108**	**.12472**	**.21293**	**.00535**	**.01032**	**.01051**	**.01554**	**.10904**
Stddev	.00057	.00068	.00218	.00079	.00036	.00004	.00411	.00437	.00004	.00014	.00019	.00025	.00197
%RSD	5.7971	.63362	14.109	.78324	3.5281	3.4616	3.2934	2.0515	.76505	1.3518	1.8412	1.6118	1.8029
#1	.01024	.10713	.01388	.10161	.00993	.00105	.12762	.20984	.00538	.01042	.01065	.01572	.10765
#2	.00943	.10810	.01696	.10049	.01044	.00111	.12181	.21602	.00532	.01022	.01037	.01537	.11043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1825**	**.01299**	**.20524**	**.01034**	**.02089**	**1.0631**	**.04198**	**2.9621**	**.01049**	**.01357**	**.00950**	**.01593**	**.48434**
Stddev	.0121	.00234	.00048	.00012	.00022	.0170	.00002	.0004	.00023	.00033	.00101	.00083	.00166
%RSD	.38155	18.020	.23200	1.2070	1.0552	1.6039	.05500	.01316	2.2116	2.4264	10.678	5.1960	.34300
#1	3.1739	.01464	.20490	.01043	.02073	1.0752	.04196	2.9624	.01065	.01334	.00878	.01651	.48551
#2	3.1911	.01133	.20557	.01025	.02104	1.0511	.04199	2.9618	.01032	.01381	.01021	.01534	.48316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0365**	**.10417**	**.01036**	**.01368**	**.01086**	**.01473**	F **.09049**	**.00960**	**.02496**	**.01799**
Stddev	.0036	.00100	.00000	.00063	.00017	.00074	.01906	.00025	.00027	.00134
%RSD	.34300	.96113	.01683	4.5875	1.5463	5.0507	21.062	2.5548	1.0933	7.4485
#1	1.0390	.10488	.01036	.01323	.01097	.01526	.07701	.00977	.02515	.01704
#2	1.0340	.10347	.01036	.01412	.01074	.01420	.10396	.00942	.02477	.01894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8697.3**	**113080.**	**8965.3**
Stddev	6.0	477.	36.7
%RSD	.06884	.42196	.40899
#1	8701.6	112740.	8991.2
#2	8693.1	113420.	8939.4

Sample Name: 280-48913-a-2-a Acquired: 11/9/2013 3:50:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**77.918**	**.02413**	**.01781**	**.69219**	**.00248**	**.00295**	**34.867**	**.00104**	**.06447**
Stddev	.00031	.020	.00353	.00065	.00069	.00004	.00096	.085	.00007	.00017
%RSD	16.475	.02597	14.609	3.6669	.09999	1.4207	32.381	.24306	6.5454	.25873
#1	-.00207	77.904	.02662	.01735	.69170	.00250	.00228	34.807	.00099	.06459
#2	-.00164	77.932	.02164	.01827	.69268	.00245	.00363	34.927	.00108	.06435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10240**	**.12214**	**165.50**	**15.924**	**.07326**	**35.819**	**2.8711**	**.00167**	**1.6304**	**.09952**
Stddev	.00032	.00052	.48	.011	.00169	.154	.0309	.00034	.0106	.00011
%RSD	.30780	.42639	.28780	.06650	2.3106	.42869	1.0778	20.307	.65042	.11455
#1	.10218	.12177	165.17	15.917	.07446	35.927	2.8930	.00143	1.6379	.09944
#2	.10262	.12251	165.84	15.932	.07207	35.710	2.8492	.00191	1.6229	.09960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1127**	**.04946**	**.35719**	**-.00060**	**-.00112**	**2.3312**	**4.9887**	**.01256**	**.22392**	**.04314**
Stddev	.0085	.00065	.00217	.00408	.00454	.0236	.0504	.00111	.00024	.00292
%RSD	.13976	1.3178	.60808	677.69	403.92	1.0112	1.0112	8.8388	.10877	6.7691
#1	6.1066	.04900	.35566	.00228	-.00434	2.3478	5.0244	.01177	.22410	.04520
#2	6.1187	.04992	.35873	-.00349	.00209	2.3145	4.9530	.01334	.22375	.04107
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6808**	**-.00259**	F **-.12907**	**.37094**	**.36613**	**.16545**
Stddev	.0132	.00001	.00220	.00042	.00018	.00027
%RSD	.13580	.19917	1.7065	.11360	.05041	.16061
#1	9.6900	-.00259	-.12751	.37064	.36600	.16526
#2	9.6715	-.00258	-.13063	.37123	.36626	.16564
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9134.1**	**114680.**	**9625.0**
Stddev	12.3	1259.	80.5
%RSD	.13436	1.0976	.83643
#1	9125.4	113790.	9681.9
#2	9142.8	115570.	9568.1

Sample Name: 280-48913-a-3-a Acquired: 11/9/2013 3:52:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**70.258**	**.02783**	**.00830**	**.45951**	**.00204**	**.00871**	**54.115**	**.00092**	**.07910**
Stddev	.00001	.068	.00239	.00027	.00033	.00001	.00252	.069	.00007	.00034
%RSD	.58906	.09656	8.5875	3.2055	.07156	.25105	28.937	.12750	7.3969	.43506
#1	-.00248	70.210	.02614	.00849	.45928	.00204	.01049	54.066	.00087	.07935
#2	-.00245	70.306	.02952	.00811	.45975	.00204	.00692	54.164	.00097	.07886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08673**	**.17122**	**204.67**	**12.240**	**.07042**	**44.998**	**2.8674**	**.00257**	**3.9430**	**.12889**
Stddev	.00005	.00137	.28	.055	.00089	.054	.0251	.00025	.0082	.00016
%RSD	.05560	.79736	.13912	.44646	1.2619	.11964	.87638	9.8827	.20857	.12134
#1	.08676	.17025	204.87	12.201	.07104	45.036	2.8852	.00275	3.9488	.12900
#2	.08670	.17218	204.46	12.278	.06979	44.960	2.8496	.00239	3.9372	.12878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.0807**	**.04559**	**.85423**	**-.00330**	**-.00241**	**2.2421**	**4.7980**	**.02033**	**.26897**	**.03376**
Stddev	.0283	.00013	.00272	.00114	.00105	.0056	.0120	.00045	.00040	.00089
%RSD	.35029	.28105	.31880	34.443	43.589	.24914	.24914	2.2160	.14997	2.6248
#1	8.1007	.04550	.85616	-.00250	-.00167	2.2381	4.7896	.02001	.26868	.03438
#2	8.0607	.04568	.85231	-.00410	-.00316	2.2460	4.8065	.02065	.26925	.03313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.728**	**-.00205**	F **-.10343**	**.55731**	**.41042**	**.20615**
Stddev	.105	.00033	.01763	.00207	.00048	.00159
%RSD	.62991	15.877	17.044	.37132	.11736	.76991
#1	16.654	-.00182	-.11589	.55878	.41076	.20503
#2	16.803	-.00228	-.09096	.55585	.41008	.20727
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9237.9**	**117140.**	**9819.1**
Stddev	15.1	505.	17.3
%RSD	.16361	.43099	.17599
#1	9227.2	116780.	9831.3
#2	9248.6	117500.	9806.8

Sample Name: 280-48913-a-4-a Acquired: 11/9/2013 3:55:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00234**	**91.817**	**.03362**	**.01324**	**.73104**	**.00282**	**.00356**	**89.951**	**.00111**	**.08193**
Stddev	.00008	.253	.00084	.00029	.00168	.00004	.00470	.324	.00002	.00076
%RSD	3.3697	.27559	2.5046	2.1893	.22938	1.4431	131.91	.35986	1.9671	.92170
#1	-.00228	91.639	.03422	.01303	.72986	.00285	.00689	89.722	.00112	.08140
#2	-.00239	91.996	.03303	.01344	.73223	.00279	.00024	90.180	.00109	.08246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16829**	**.18269**	**218.96**	**17.206**	**.09670**	**49.043**	**3.4786**	**.00262**	**2.3559**	**.12887**
Stddev	.00076	.00089	.43	.074	.00090	.211	.0117	.00009	.0052	.00050
%RSD	.44869	.48730	.19799	.42826	.92733	.43023	.33482	3.4864	.22141	.38899
#1	.16883	.18206	218.65	17.153	.09606	48.894	3.4703	.00256	2.3522	.12923
#2	.16776	.18332	219.26	17.258	.09733	49.192	3.4868	.00269	2.3595	.12852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3204**	**.06719**	**.80337**	**-.00256**	**-.00267**	**2.3987**	**5.1333**	**.01724**	**.32541**	**.04171**
Stddev	.0128	.00078	.00398	.00088	.00135	.0448	.0959	.00109	.00100	.00027
%RSD	.15423	1.1648	.49580	34.480	50.592	1.8681	1.8681	6.2989	.30785	.63660
#1	8.3294	.06663	.80619	-.00319	-.00172	2.3670	5.0655	.01801	.32470	.04152
#2	8.3113	.06774	.80055	-.00194	-.00363	2.4304	5.2011	.01647	.32611	.04190
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.688**	**-.00372**	F **-.10781**	**.51189**	**.57830**	**.20537**
Stddev	.295	.00012	.06484	.00223	.00082	.00094
%RSD	2.1578	3.1156	60.143	.43507	.14261	.45883
#1	13.897	-.00364	-.15366	.51032	.57772	.20604
#2	13.479	-.00381	-.06196	.51347	.57888	.20471
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9190.9**	**114900.**	**9709.6**
Stddev	19.2	1.	21.3
%RSD	.20837	.00061	.21940
#1	9204.4	114900.	9724.6
#2	9177.3	114900.	9694.5

Sample Name: 280-48913-a-5-a Acquired: 11/9/2013 3:57:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**101.44**	**.03391**	**.01792**	**.98434**	**.00323**	**-.00193**	**60.632**	**.00147**	**.07574**
Stddev	.00059	.14	.00192	.00033	.00125	.00007	.00228	.050	.00002	.00040
%RSD	43.973	.14289	5.6691	1.8331	.12693	2.2279	118.47	.08194	1.2230	.52368
#1	-.00175	101.54	.03255	.01769	.98522	.00318	-.00031	60.667	.00148	.07546
#2	-.00092	101.33	.03527	.01815	.98346	.00328	-.00354	60.597	.00145	.07603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29013**	**.19638**	**190.41**	**21.563**	**.09810**	**47.643**	**3.3713**	**.00245**	**1.9984**	**.14528**
Stddev	.00101	.00114	.44	.021	.00305	.112	.0534	.00018	.0020	.00053
%RSD	.34659	.58144	.22920	.09910	3.1051	.23455	1.5842	7.3270	.10037	.36386
#1	.28942	.19557	190.72	21.578	.10026	47.564	3.3335	.00257	1.9970	.14490
#2	.29085	.19718	190.10	21.548	.09595	47.722	3.4090	.00232	1.9998	.14565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7147**	**.08317**	**.75324**	**-.00102**	**.00295**	**2.1229**	**4.5431**	**.01391**	**.36404**	**.04293**
Stddev	.0004	.00020	.00791	.00151	.00461	.0448	.0958	.00010	.00043	.00144
%RSD	.00606	.24590	1.0501	147.20	156.18	2.1092	2.1092	.73766	.11714	3.3564
#1	6.7144	.08302	.74765	.00004	.00621	2.0913	4.4753	.01398	.36434	.04192
#2	6.7150	.08331	.75884	-.00209	-.00031	2.1546	4.6108	.01384	.36374	.04395
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4586**	**-.00329**	F **-.14222**	**.38324**	**.83327**	**.16599**
Stddev	.0240	.00214	.03527	.00060	.00112	.00148
%RSD	.25392	64.966	24.798	.15546	.13406	.89394
#1	9.4416	-.00480	-.11728	.38366	.83406	.16704
#2	9.4756	-.00178	-.16716	.38282	.83248	.16494
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9134.8**	**114330.**	**9746.7**
Stddev	13.6	179.	63.9
%RSD	.14876	.15668	.65573
#1	9125.2	114200.	9701.5
#2	9144.4	114450.	9791.9

Sample Name: 280-48913-a-6-a Acquired: 11/9/2013 3:59:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**27.451**	**.01964**	**.00747**	**.42815**	**.00139**	**-.01181**	**16.016**	**.00131**	**.03374**
Stddev	.00063	.001	.00054	.00081	.00097	.00004	.00307	.017	.00019	.00012
%RSD	105.75	.00445	2.7619	10.807	.22704	3.1418	26.009	.10692	14.606	.36057
#1	-.00015	27.452	.02003	.00804	.42746	.00142	-.01398	16.028	.00118	.03366
#2	-.00105	27.450	.01926	.00690	.42884	.00136	-.00964	16.004	.00145	.03383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61592**	**.10105**	**105.62**	**5.0203**	**.02449**	**10.493**	**1.8346**	**.00589**	**.45431**	**.05264**
Stddev	.00021	.00047	.28	.0443	.00069	.021	.0006	.00004	.00536	.00048
%RSD	.03403	.46939	.26648	.88157	2.8091	.20109	.03274	.64479	1.1808	.90804
#1	.61607	.10072	105.42	5.0516	.02400	10.478	1.8342	.00586	.45051	.05231
#2	.61577	.10139	105.81	4.9890	.02497	10.508	1.8350	.00591	.45810	.05298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3350**	**.08946**	**.83521**	**-.00061**	**-.00032**	**2.4623**	**5.2693**	**.00842**	**.12078**	**.01937**
Stddev	.0121	.00005	.00363	.00096	.00190	.0932	.1995	.00037	.00033	.00007
%RSD	.36277	.05622	.43487	158.52	592.17	3.7856	3.7856	4.4069	.27355	.38492
#1	3.3264	.08943	.83264	-.00129	.00102	2.5282	5.4103	.00868	.12055	.01932
#2	3.3436	.08950	.83778	.00007	-.00166	2.3964	5.1282	.00816	.12102	.01943
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6481**	**-.00213**	W **-.07350**	**.11150**	**2.2230**	**.03770**
Stddev	.0022	.00117	.03882	.00021	.0015	.00148
%RSD	.08276	55.172	52.814	.18991	.06814	3.9155
#1	2.6465	-.00296	-.10095	.11135	2.2241	.03665
#2	2.6496	-.00130	-.04605	.11165	2.2219	.03874
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9195.8**	**117000.**	**9638.2**
Stddev	8.7	117.	23.3
%RSD	.09412	.09961	.24156
#1	9189.6	117080.	9654.7
#2	9201.9	116920.	9621.8

Sample Name: 280-48913-a-7-a Acquired: 11/9/2013 4:01:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**32.045**	**.01670**	**.01230**	**.38509**	**.00123**	**-.00820**	**21.854**	**.00119**	**.02776**
Stddev	.00010	.078	.00229	.00016	.00015	.00000	.00129	.054	.00007	.00019
%RSD	11.572	.24392	13.724	1.2639	.03847	.07538	15.765	.24715	5.5192	.66656
#1	-.00093	31.990	.01832	.01219	.38499	.00123	-.00729	21.816	.00124	.02789
#2	-.00079	32.100	.01508	.01241	.38520	.00123	-.00912	21.893	.00114	.02763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21122**	**.08692**	**87.407**	**6.6437**	**.02879**	**14.213**	**1.4918**	**.00301**	**1.0171**	**.06855**
Stddev	.00078	.00064	.473	.0113	.00056	.025	.0021	.00013	.0109	.00044
%RSD	.37129	.73132	.54109	.16984	1.9380	.17392	.13960	4.2818	1.0686	.64035
#1	.21178	.08647	87.073	6.6357	.02918	14.231	1.4903	.00292	1.0095	.06886
#2	.21067	.08737	87.742	6.6516	.02839	14.196	1.4932	.00310	1.0248	.06824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2240**	**.08135**	**1.0115**	**.00101**	**-.00016**	**1.9570**	**4.1880**	**.00678**	**.13008**	**.01726**
Stddev	.0040	.00012	.0004	.00112	.00180	.0329	.0703	.00021	.00009	.00200
%RSD	.12243	.14835	.03991	111.14	1099.8	1.6794	1.6794	3.0364	.07171	11.574
#1	3.2268	.08127	1.0118	.00180	.00111	1.9338	4.1383	.00692	.13002	.01867
#2	3.2212	.08144	1.0113	.00022	-.00144	1.9803	4.2378	.00663	.13015	.01584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2976**	**-.00151**	W **-.05887**	**.16412**	**1.5417**	**.04410**
Stddev	.0002	.00173	.00475	.00024	.0065	.00024
%RSD	.00520	114.37	8.0632	.14826	.42174	.53728
#1	3.2977	-.00029	-.06222	.16429	1.5371	.04393
#2	3.2975	-.00274	-.05551	.16395	1.5463	.04427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9030.4**	**114740.**	**9518.1**
Stddev	9.6	256.	34.1
%RSD	.10640	.22281	.35831
#1	9023.6	114920.	9493.9
#2	9037.2	114550.	9542.2

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:04:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**50.249**	**.00276**	**.00438**	**.00008**	**.00006**	**1.0449**	**.01028**	**.00005**	**-.00059**	**.00002**	**.00877**	**48.070**
Stddev	.00044	.094	.00090	.00025	.00003	.00007	.0026	.00048	.00012	.00025	.00004	.00013	.117
%RSD	11.294	.18659	32.780	5.8074	37.617	111.50	.24415	4.6475	241.32	41.770	196.61	1.4800	.24434
#1	.00359	50.315	.00212	.00420	.00006	.00011	1.0467	.01062	.00013	-.00042	-.00001	.00886	48.153
#2	.00422	50.183	.00339	.00456	.00010	.00001	1.0431	.00994	-.00003	-.00077	.00005	.00868	47.987
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00915**	**.00193**	**.08503**	**.00073**	**-.00015**	**263.74**	**-.00001**	**.00264**	**.00149**	**5.1169**	**.00076**	**-.00295**	**.01216**
Stddev	.00567	.00223	.00150	.00007	.00023	.29	.00011	.00002	.00058	.0029	.00176	.00032	.00358
%RSD	61.921	115.51	1.7613	9.4146	147.93	.10884	1502.8	.92012	39.115	.05631	232.59	10.927	29.456
#1	.00514	.00351	.08608	.00078	-.00031	263.94	-.00009	.00262	.00107	5.1189	-.00049	-.00272	.00962
#2	.01316	.00035	.08397	.00068	.00001	263.54	.00007	.00265	.00190	5.1148	.00200	-.00318	.01469
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02602**	**-.00060**	**.00041**	**4.8534**	**-.00435**	**.00143**	**10.203**	**.00042**	**.00254**	**.02275**
Stddev	.00766	.00005	.00001	.0015	.00005	.00018	.043	.00021	.00022	.00110
%RSD	29.456	7.9802	3.1337	.03070	1.0389	12.280	.42324	50.099	8.5207	4.8500
#1	.02060	-.00057	.00040	4.8524	-.00438	.00130	10.173	.00027	.00239	.02353
#2	.03143	-.00063	.00041	4.8545	-.00431	.00155	10.234	.00056	.00270	.02197
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8394.6**	**105540.**	**8817.4**
Stddev	22.3	162.	48.4
%RSD	.26522	.15314	.54883
#1	8378.8	105650.	8783.2
#2	8410.3	105430.	8851.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:06:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50087**	**.50766**	**1.0119**	**.51217**	**.50401**	**.49361**	**.00223**	**4.9759**	**.50977**	**.50425**	**.50127**	**.51369**	**2.3628**
Stddev	.00013	.00079	.0031	.00072	.00106	.00035	.00156	.0015	.00094	.00047	.00113	.00061	.0140
%RSD	.02499	.15555	.30842	.14146	.21033	.07119	69.845	.03075	.18399	.09298	.22465	.11778	.59082
#1	.50078	.50822	1.0096	.51166	.50326	.49336	.00113	4.9748	.50911	.50391	.50207	.51326	2.3529
#2	.50096	.50710	1.0141	.51269	.50476	.49386	.00333	4.9770	.51043	.50458	.50047	.51412	2.3726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.641**	**.99641**	**19.515**	**.49501**	**.51021**	**5.2544**	**.50767**	**1.0146**	**1.0305**	**.00735**	**1.0280**	**1.0129**	**4.8328**
Stddev	.107	.00080	.044	.00169	.00289	.0129	.00010	.0044	.0053	.00092	.0034	.0048	.0726
%RSD	.20719	.08066	.22526	.34085	.56652	.24535	.02037	.43347	.51403	12.487	.33214	.47388	1.5017
#1	51.565	.99584	19.484	.49382	.51225	5.2635	.50774	1.0177	1.0343	.00670	1.0304	1.0163	4.7815
#2	51.716	.99697	19.546	.49621	.50817	5.2453	.50760	1.0115	1.0268	.00800	1.0256	1.0095	4.8841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.342**	**1.0100**	**.50095**	**-.00626**	**.49972**	**1.0240**	**.02945**	**.50266**	**.49203**	**.50082**
Stddev	.155	.0055	.00128	.00097	.00109	.0060	.01829	.00092	.00309	.00126
%RSD	1.5017	.54183	.25545	15.440	.21764	.58348	62.125	.18247	.62842	.25122
#1	10.232	1.0138	.50005	-.00557	.49895	1.0283	.04238	.50201	.48984	.49993
#2	10.452	1.0061	.50186	-.00694	.50049	1.0198	.01651	.50331	.49422	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8632.6**	**110470.**	**8918.1**
Stddev	14.3	371.	1.9
%RSD	.16535	.33612	.02139
#1	8642.7	110740.	8919.5
#2	8622.5	110210.	8916.8

Sample Name: CCB Acquired: 11/9/2013 4:08:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00275**	**-.00117**	**.00110**	**-.00027**	**.00016**	**.00154**	**.00081**	W **.00046**	**-.00018**	**.00011**	**-.00004**
Stddev	.00009	.00012	.00000	.00027	.00007	.00003	.00056	.00220	.00008	.00015	.00004	.00018
%RSD	67.416	4.3249	.00320	24.212	27.310	20.287	36.072	272.94	16.839	81.204	32.223	498.94
#1	-.00020	.00283	-.00117	.00128	-.00032	.00014	.00115	-.00075	.00052	-.00029	.00009	.00009
#2	-.00007	.00266	-.00117	.00091	-.00022	.00018	.00194	.00236	.00041	-.00008	.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit									.00045			
Low Limit									-.00045			

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.09011**	**.00097**	**.00214**	**.00007**	**.00040**	**-.01441**	**-.00021**	**.00042**	**.00125**	**.00909**	W **.00562**
Stddev	.00093	.01184	.00397	.00137	.00002	.00017	.00112	.00025	.00144	.00064	.00141	.00059
%RSD	18.694	13.140	408.96	63.785	35.478	42.062	7.7805	115.49	343.56	50.947	15.520	10.560
#1	.00566	.08174	.00378	.00311	.00008	.00028	-.01362	-.00004	.00144	.00170	.01009	.00603
#2	.00434	.09849	-.00184	.00118	.00005	.00052	-.01521	-.00039	-.00060	.00080	.00809	.00520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00218**	**.00731**	**.01565**	**.00024**	**.00003**	**.00097**	**.00051**	**-.00005**	**-.00189**	**-.00060**	W **.00475**	**.00166**
Stddev	.00268	.00131	.00281	.00022	.00000	.00182	.00002	.00117	.00177	.00015	.00001	.00053
%RSD	123.13	17.934	17.934	89.259	4.7580	188.93	4.1798	2479.8	94.009	24.235	.30841	31.823
#1	.00407	.00824	.01763	.00009	.00003	.00225	.00049	.00078	-.00314	-.00070	.00476	.00128
#2	.00028	.00638	.01366	.00040	.00003	-.00032	.00052	-.00088	-.00063	-.00050	.00474	.00203
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8539.7**	**110530.**	**8806.4**
Stddev	20.8	243.	59.2
%RSD	.24409	.21979	.67274
#1	8554.4	110350.	8764.5
#2	8524.9	110700.	8848.3

Sample Name: CCVL2367586 Acquired: 11/9/2013 4:11:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01000**	**.10645**	**.01722**	**.10028**	**.01010**	**.00100**	**.12770**	**.21436**	**.00551**	**.01041**	**.01049**	**.01593**	**.10426**
Stddev	.00040	.00096	.00251	.00070	.00017	.00007	.00166	.00063	.00020	.00019	.00004	.00009	.00110
%RSD	4.0400	.89989	14.566	.70165	1.6681	6.6546	1.2988	.29310	3.6612	1.8406	.40794	.59244	1.0576
#1	.01029	.10712	.01544	.10077	.01022	.00096	.12653	.21392	.00565	.01054	.01052	.01600	.10504
#2	.00972	.10577	.01899	.09978	.00998	.00105	.12887	.21480	.00536	.01027	.01046	.01587	.10348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1477**	**.01150**	**.20628**	**.01035**	**.02077**	**1.0526**	**.04178**	**2.9759**	**.00981**	**.01259**	**.01141**	**.01641**	**.50813**
Stddev	.0672	.00462	.00113	.00009	.00014	.0033	.00070	.0294	.00029	.00156	.00155	.00084	.00200
%RSD	2.1355	40.158	.54647	.88286	.65819	.31473	1.6674	.98814	2.9678	12.365	13.612	5.1316	.39365
#1	3.1952	.00824	.20548	.01029	.02087	1.0503	.04228	2.9966	.01001	.01149	.01250	.01582	.50955
#2	3.1001	.01477	.20708	.01041	.02067	1.0549	.04129	2.9551	.00960	.01369	.01031	.01701	.50672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0874**	**.10467**	**.01029**	**.01626**	**.01053**	**.01493**	F **.03004**	**.00956**	F **.02605**	**.01853**
Stddev	.0043	.00141	.00009	.00042	.00014	.00087	.02063	.00000	.00051	.00210
%RSD	.39365	1.3485	.91729	2.5710	1.3406	5.8039	68.658	.02786	1.9762	11.342
#1	1.0904	.10567	.01036	.01597	.01043	.01431	.04463	.00956	.02569	.01705
#2	1.0844	.10367	.01023	.01656	.01063	.01554	.01546	.00956	.02642	.02002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							-30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8622.0**	**109860.**	**8786.0**
Stddev	65.1	408.	124.4
%RSD	.75492	.37104	1.4162
#1	8576.0	109570.	8874.0
#2	8668.0	110150.	8698.1

Sample Name: mb 280-199861/1-a Acquired: 11/9/2013 4:13:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00566**	**.00126**	**.00106**	**.00010**	**.00015**	**.00080**	**.04468**	**.00038**	**-.00003**
Stddev	.00089	.00016	.00184	.00015	.00017	.00004	.00188	.00272	.00002	.00014
%RSD	514.92	2.8467	146.16	14.176	172.10	26.522	233.37	6.0994	5.4723	414.00
#1	.00080	.00577	-.00004	.00117	-.00002	.00012	-.00052	.04275	.00037	.00006
#2	-.00046	.00555	.00255	.00095	.00022	.00017	.00213	.04660	.00040	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00134**	**.02060**	**.06686**	**.00126**	**.00809**	**.00018**	**-.00012**	**.01853**	**-.00006**
Stddev	.00015	.00005	.00034	.00883	.00096	.00019	.00001	.00002	.00765	.00015
%RSD	103.83	3.7703	1.6420	13.201	75.873	2.3524	3.8422	17.418	41.302	233.98
#1	.00025	.00131	.02036	.06062	.00059	.00823	.00018	-.00013	.02394	-.00017
#2	.00004	.00138	.02084	.07310	.00194	.00796	.00017	-.00010	.01312	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00463**	**.00110**	**.02284**	**-.00010**	**.00179**	**-.00287**	**-.00615**	**.00247**	**.00016**	**-.00001**
Stddev	.00074	.00122	.00440	.00146	.00075	.01464	.03134	.00014	.00001	.00071
%RSD	15.962	110.51	19.273	1435.9	41.684	509.94	509.94	5.7676	3.2823	9029.2
#1	.00411	.00197	.01973	.00093	.00127	-.01323	-.02831	.00237	.00016	.00049
#2	.00516	.00024	.02595	-.00113	.00232	.00748	.01601	.00257	.00016	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.00002**	**.04196**	**-.00048**	**.00425**	**.00169**
Stddev	.00015	.00036	.02256	.00021	.00004	.00185
%RSD	15.161	2115.6	53.768	44.136	.83063	109.78
#1	.00106	.00024	.02600	-.00033	.00423	.00038
#2	.00086	-.00027	.05791	-.00063	.00428	.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8808.3**	**114280.**	**9062.7**
Stddev	5.6	164.	117.0
%RSD	.06402	.14361	1.2907
#1	8812.3	114160.	9145.4
#2	8804.4	114400.	8980.0

Sample Name: lcs 280-199861/2-a Acquired: 11/9/2013 4:15:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04698**	**1.8205**	**.95797**	**.94313**	**1.9445**	**.04705**	**2.2256**	**46.679**	**.10009**	**.47280**
Stddev	.00065	.0021	.00338	.00538	.0040	.00013	.0126	.057	.00029	.00024
%RSD	1.3915	.11520	.35262	.57019	.20625	.28647	.56400	.12137	.28862	.05001
#1	.04744	1.8219	.95558	.93932	1.9473	.04714	2.2167	46.719	.09989	.47263
#2	.04652	1.8190	.96036	.94693	1.9417	.04695	2.2345	46.638	.10029	.47297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19269**	**.24799**	**.92365**	**49.780**	**.95957**	F **45.873**	**.46727**	**.97424**	**52.240**	**.47487**
Stddev	.00066	.00036	.00207	.103	.00286	.094	.00077	.00395	.008	.00004
%RSD	.34256	.14352	.22376	.20635	.29796	.20452	.16489	.40518	.01558	.00872
#1	.19222	.24824	.92218	49.853	.96159	45.940	.46781	.97145	52.246	.47490
#2	.19316	.24774	.92511	49.707	.95755	45.807	.46672	.97703	52.234	.47484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						56.500				
Low Limit						46.000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7765**	**.47348**	**.01213**	**.46165**	**1.9030**	F **.56805**	**1.2156**	**1.9115**	**.96475**	**.94574**
Stddev	.0192	.00141	.00293	.00245	.0005	.00789	.0169	.0062	.00131	.00246
%RSD	.19614	.29767	24.184	.53062	.02832	1.3894	1.3894	.32539	.13612	.26061
#1	9.7629	.47249	.01006	.45992	1.9026	.57363	1.2276	1.9071	.96568	.94748
#2	9.7900	.47448	.01421	.46338	1.9034	.56247	1.2037	1.9159	.96382	.94400
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						11.000				
Low Limit						9.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95435**	**1.8671**	**2.0247**	**.48407**	**.45986**	**.47643**
Stddev	.00103	.0055	.0493	.00009	.00295	.00136
%RSD	.10760	.29221	2.4348	.01948	.64091	.28635
#1	.95508	1.8632	2.0595	.48400	.46194	.47546
#2	.95363	1.8710	1.9898	.48413	.45778	.47739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8398.6**	**107690.**	**8925.8**
Stddev	1.0	727.	69.2
%RSD	.01215	.67530	.77501
#1	8399.3	107180.	8876.9
#2	8397.8	108210.	8974.7

Sample Name: 280-48933-a-1-a Acquired: 11/9/2013 4:17:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00237**	**57.484**	**.02392**	**.00961**	**.46467**	**.00154**	**-.00094**	**104.40**	**.00056**	**.08423**
Stddev	.00054	.180	.00025	.00028	.00155	.00000	.00762	.18	.00039	.00040
%RSD	22.611	.31400	1.0416	2.9258	.33286	.13508	812.84	.16953	69.366	.47826
#1	-.00275	57.356	.02375	.00981	.46576	.00154	-.00633	104.27	.00029	.08452
#2	-.00200	57.612	.02410	.00941	.46358	.00154	.00445	104.52	.00084	.08395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07235**	**.17948**	**232.69**	**6.9041**	**.05895**	**45.583**	**3.0040**	**.00361**	**5.3103**	**.09559**
Stddev	.00035	.00105	.35	.0052	.00181	.091	.0091	.00008	.0022	.00010
%RSD	.48244	.58272	.14980	.07524	3.0633	.20023	.30182	2.2972	.04150	.10418
#1	.07210	.18022	232.44	6.9005	.06023	45.648	2.9976	.00355	5.3087	.09552
#2	.07259	.17874	232.94	6.9078	.05768	45.519	3.0104	.00367	5.3119	.09566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.941**	**.03046**	**2.6384**	**-.00002**	**.00075**	**2.0305**	**4.3452**	**.02115**	**.35728**	**.03067**
Stddev	.013	.00034	.0012	.00243	.00205	.0417	.0893	.00098	.00034	.00193
%RSD	.11554	1.1066	.04639	11235.	273.85	2.0554	2.0554	4.6187	.09491	6.2858
#1	10.932	.03022	2.6376	-.00174	-.00070	2.0600	4.4084	.02046	.35752	.02931
#2	10.950	.03070	2.6393	.00169	.00220	2.0010	4.2821	.02184	.35704	.03203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.350**	**-.00246**	F **-.10640**	**.61881**	**.41675**	**.23472**
Stddev	.314	.00005	.02589	.00094	.00151	.00374
%RSD	1.6238	2.0071	24.336	.15226	.36184	1.5937
#1	19.128	-.00250	-.08809	.61815	.41781	.23208
#2	19.573	-.00243	-.12471	.61948	.41568	.23737
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9426.8**	**119890.**	**10074.**
Stddev	22.2	140.	77.
%RSD	.23544	.11638	.75980
#1	9411.1	119990.	10128.
#2	9442.5	119800.	10020.

Sample Name: 280-48933-a-1-aSD@5 Acquired: 11/9/2013 4:20:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**13.633**	**.00816**	**.00307**	**.10942**	**.00040**	**.00408**	**24.720**	**.00059**	**.02093**
Stddev	.00033	.020	.00255	.00023	.00045	.00001	.00276	.084	.00008	.00001
%RSD	66.059	.14951	31.295	7.4558	.40715	3.5943	67.663	.33795	14.199	.06037
#1	-.00027	13.647	.00636	.00323	.10973	.00041	.00603	24.661	.00065	.02093
#2	-.00074	13.619	.00997	.00291	.10910	.00039	.00213	24.779	.00053	.02094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**.04222**	**56.218**	**1.6041**	**.01476**	**10.864**	**.72675**	**.00079**	**1.2056**	**.02298**
Stddev	.00003	.00056	.001	.0077	.00082	.025	.00084	.00006	.0032	.00009
%RSD	.18921	1.3336	.00135	.47893	5.5253	.22660	.11538	7.0032	.26615	.38113
#1	.01756	.04262	56.218	1.6095	.01534	10.846	.72616	.00075	1.2033	.02304
#2	.01752	.04182	56.219	1.5986	.01418	10.881	.72734	.00083	1.2079	.02292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5867**	**.00745**	**.61382**	**-.00130**	**.00070**	**.45209**	**.96747**	**.00642**	**.08422**	**.00614**
Stddev	.0201	.00018	.00018	.00095	.00023	.01664	.03562	.00046	.00017	.00202
%RSD	.77571	2.3657	.02879	73.365	32.203	3.6817	3.6817	7.1980	.20135	32.956
#1	2.5726	.00757	.61369	-.00062	.00054	.44032	.94229	.00675	.08410	.00471
#2	2.6009	.00732	.61394	-.00197	.00086	.46386	.99266	.00609	.08434	.00757
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6288**	**.00013**	**-.01527**	**.14590**	**.10652**	**.05681**
Stddev	.0011	.00015	.03377	.00065	.00115	.00031
%RSD	.02283	112.23	221.16	.44472	1.0836	.54143
#1	4.6281	.00003	.00861	.14544	.10571	.05703
#2	4.6296	.00024	-.03914	.14636	.10734	.05660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8784.5**	**111790.**	**9139.5**
Stddev	7.0	370.	73.5
%RSD	.07993	.33116	.80443
#1	8779.6	112050.	9191.5
#2	8789.5	111530.	9087.5

Sample Name: 280-48933-a-1-b du Acquired: 11/9/2013 4:22:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00306**	**54.030**	**.02528**	**.00841**	**.46287**	**.00143**	**.00321**	**129.05**	**.00079**	**.07961**
Stddev	.00040	.296	.00065	.00006	.00047	.00005	.00214	.60	.00004	.00038
%RSD	12.931	.54868	2.5885	.73050	.10216	3.3201	66.669	.46417	5.4293	.47222
#1	-.00278	53.821	.02481	.00837	.46254	.00140	.00473	128.63	.00082	.07935
#2	-.00334	54.240	.02574	.00845	.46320	.00146	.00170	129.48	.00076	.07988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06301**	**.17444**	**223.18**	**6.5326**	**.05410**	**45.032**	**2.7646**	**.00327**	**5.2263**	**.10214**
Stddev	.00003	.00024	.63	.0513	.00161	.037	.0015	.00021	.0027	.00018
%RSD	.05065	.13497	.28173	.78531	2.9813	.08288	.05476	6.3002	.05147	.17349
#1	.06299	.17427	222.74	6.4963	.05524	45.006	2.7635	.00341	5.2282	.10202
#2	.06304	.17461	223.63	6.5689	.05296	45.059	2.7656	.00312	5.2244	.10227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.457**	**.02966**	**2.5314**	**-.00527**	**-.00375**	**1.6485**	**3.5278**	**.02164**	**.39689**	**.02813**
Stddev	.004	.00026	.0011	.00193	.00330	.0353	.0756	.00005	.00121	.00129
%RSD	.03695	.89225	.04168	36.652	88.001	2.1432	2.1432	.23233	.30538	4.5812
#1	10.454	.02985	2.5306	-.00663	-.00142	1.6235	3.4743	.02168	.39603	.02904
#2	10.460	.02948	2.5321	-.00390	-.00609	1.6735	3.5812	.02161	.39774	.02722
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.799**	**-.00352**	F **-.13924**	**.58513**	**.40291**	**.23151**
Stddev	.120	.00084	.02033	.00259	.00179	.00519
%RSD	.63677	23.800	14.602	.44285	.44481	2.2419
#1	18.884	-.00412	-.15361	.58330	.40164	.22784
#2	18.715	-.00293	-.12486	.58696	.40418	.23518
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9376.8**	**118970.**	**9933.9**
Stddev	.9	114.	42.6
%RSD	.01007	.09545	.42858
#1	9376.2	118890.	9964.0
#2	9377.5	119050.	9903.8

Sample Name: 280-48933-a-1-c ms Acquired: 11/9/2013 4:25:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03969	72.698	.82082	.80206	2.1945	.04290	F 1.9453	154.70	.08893	.49133
Stddev	.00034	.041	.00396	.00064	.0035	.00009	.0031	.14	.00009	.00079
%RSD	.86274	.05708	.48233	.07933	.16081	.21359	.16125	.09265	.10029	.16087
#1	.03944	72.669	.82362	.80161	2.1920	.04283	1.9431	154.59	.08900	.49077
#2	.03993	72.727	.81802	.80251	2.1970	.04296	1.9475	154.80	.08887	.49189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26090	.39837	246.71	52.646	.92628	93.354	3.5785	.82988	55.253	.50517
Stddev	.00034	.00072	.73	.002	.00246	.051	.0258	.00070	.350	.00127
%RSD	.13146	.18118	.29790	.00344	.26509	.05434	.72007	.08448	.63266	.25164
#1	.26066	.39786	246.19	52.645	.92455	93.319	3.5603	.82938	55.006	.50428
#2	.26114	.39888	247.23	52.648	.92802	93.390	3.5968	.83038	55.500	.50607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 18.548	.43162	2.2731	.24687	1.5817	3.3848	7.2434	1.4394	1.2461	.87451
Stddev	.002	.00109	.0043	.00258	.0026	.0998	.2136	.0013	.0018	.00699
%RSD	.01314	.25352	.18804	1.0433	.16355	2.9485	2.9485	.08763	.14598	.79935
#1	18.547	.43084	2.2701	.24504	1.5835	3.3142	7.0924	1.4403	1.2448	.86957
#2	18.550	.43239	2.2762	.24869	1.5798	3.4553	7.3944	1.4385	1.2473	.87946
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 19.563	1.5215	1.6402	1.1099	.82511	.69814
Stddev	.154	.0017	.0249	.0026	.00415	.00153
%RSD	.78785	.11192	1.5164	.22944	.50351	.21844
#1	19.454	1.5227	1.6226	1.1081	.82218	.69706
#2	19.672	1.5203	1.6578	1.1117	.82805	.69922
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	9359.8	118780.	10153.
Stddev	17.7	22.	34.
%RSD	.18864	.01876	.33807
#1	9372.3	118800.	10128.
#2	9347.4	118770.	10177.

Sample Name: 280-48933-a-2-a Acquired: 11/9/2013 4:27:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**41.445**	**.01730**	**.00322**	**.36008**	**.00126**	**.00297**	**59.633**	**.00069**	**.07080**
Stddev	.00042	.211	.00012	.00017	.00084	.00004	.00230	.343	.00024	.00034
%RSD	21.510	.50916	.67454	5.2548	.23442	3.0626	77.722	.57577	35.107	.48468
#1	-.00227	41.296	.01739	.00334	.35948	.00128	.00460	59.390	.00086	.07055
#2	-.00167	41.595	.01722	.00310	.36067	.00123	.00134	59.876	.00052	.07104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04268**	**.17871**	**181.03**	**7.0639**	**.04276**	**32.033**	**1.9779**	**.00280**	**4.4747**	**.07880**
Stddev	.00001	.00081	1.36	.0678	.00240	.124	.0032	.00018	.0152	.00038
%RSD	.02031	.45304	.74948	.95945	5.6082	.38836	.16132	6.5870	.33857	.48683
#1	.04269	.17814	180.07	7.0160	.04106	31.945	1.9757	.00267	4.4640	.07853
#2	.04268	.17928	181.99	7.1118	.04445	32.121	1.9802	.00293	4.4854	.07908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.665**	**.02219**	**.82593**	**-.00164**	**-.00072**	**1.0929**	**2.3388**	**.01758**	**.20002**	**.02770**
Stddev	.019	.00095	.00055	.00035	.00010	.0169	.0361	.00077	.00069	.00100
%RSD	.17469	4.2864	.06630	21.392	13.890	1.5419	1.5419	4.3605	.34500	3.5988
#1	10.652	.02287	.82631	-.00188	-.00065	1.0810	2.3133	.01812	.19953	.02700
#2	10.678	.02152	.82554	-.00139	-.00079	1.1048	2.3643	.01704	.20051	.02841
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.815**	**-.00212**	F **-.16919**	**.48068**	**.32300**	**.18879**
Stddev	.108	.00042	.06665	.00027	.00020	.00040
%RSD	.78015	19.771	39.397	.05596	.06341	.21306
#1	13.891	-.00241	-.12205	.48087	.32285	.18907
#2	13.739	-.00182	-.21632	.48049	.32314	.18851
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9618.1**	**121620.**	**10149.**
Stddev	13.8	249.	27.
%RSD	.14297	.20477	.26394
#1	9627.8	121440.	10130.
#2	9608.4	121790.	10168.

Sample Name: 280-48933-a-3-a Acquired: 11/9/2013 4:29:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**62.866**	**.02779**	**.00902**	**.51313**	**.00185**	**-.00039**	**93.172**	**.00089**	**.08069**
Stddev	.00043	.052	.00192	.00046	.00025	.00001	.00369	.024	.00013	.00053
%RSD	19.277	.08347	6.9154	5.1150	.04884	.51628	952.63	.02531	14.781	.65684
#1	-.00254	62.903	.02644	.00935	.51295	.00185	-.00300	93.189	.00099	.08106
#2	-.00193	62.829	.02915	.00870	.51331	.00184	.00222	93.156	.00080	.08031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09118**	**.18951**	**206.64**	**8.8447**	**.06102**	**45.990**	**3.0264**	**.00276**	**3.2007**	**.11872**
Stddev	.00015	.00043	.60	.0263	.00404	.217	.0130	.00030	.0138	.00020
%RSD	.16248	.22445	.29004	.29705	6.6284	.47126	.43008	10.791	.43217	.16918
#1	.09128	.18981	207.06	8.8261	.05816	46.143	3.0172	.00297	3.1910	.11886
#2	.09107	.18921	206.21	8.8633	.06388	45.836	3.0356	.00255	3.2105	.11858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.332**	**.03459**	**.99982**	**-.00349**	W **-.00505**	**2.3846**	**5.1031**	**.01872**	**.32124**	**.03099**
Stddev	.006	.00092	.00471	.00108	.00246	.0574	.1229	.00151	.00046	.00009
%RSD	.05358	2.6624	.47109	30.991	48.714	2.4082	2.4082	8.0728	.14271	.27434
#1	10.336	.03394	1.0032	-.00272	-.00679	2.4252	5.1900	.01765	.32091	.03093
#2	10.328	.03524	.99649	-.00425	-.00331	2.3440	5.0162	.01978	.32156	.03105
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.392**	**-.00199**	F **-.15270**	**.50547**	**.39059**	**.20883**
Stddev	.185	.00078	.01582	.00046	.00083	.00066
%RSD	1.2035	39.072	10.360	.09011	.21310	.31430
#1	15.261	-.00253	-.14151	.50515	.39117	.20837
#2	15.523	-.00144	-.16389	.50580	.39000	.20930
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9411.1**	**118940.**	**9987.7**
Stddev	.8	190.	42.9
%RSD	.00862	.16011	.42969
#1	9411.7	118800.	9957.4
#2	9410.6	119070.	10018.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:32:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**50.023**	**.00299**	**.00589**	**.00010**	**.00005**	**1.0363**	**.03106**	**.00011**	**-.00068**	**-.00010**	**.00949**	**48.184**
Stddev	.00007	.103	.00321	.00045	.00003	.00003	.0013	.00696	.00002	.00005	.00001	.00013	.134
%RSD	1.8217	.20634	107.60	7.6182	28.464	71.630	.12136	22.411	18.007	8.0115	13.585	1.3360	.27904
#1	.00372	50.096	.00071	.00557	.00012	.00007	1.0354	.03598	.00010	-.00064	-.00009	.00940	48.089
#2	.00362	49.950	.00526	.00621	.00008	.00002	1.0372	.02614	.00013	-.00072	-.00011	.00957	48.279
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02625**	**.00091**	**.08530**	**.00094**	**-.00017**	**262.69**	**-.00008**	**.00672**	**.00231**	**5.0680**	**.00239**	**-.00172**	**.02010**
Stddev	.09727	.00195	.00124	.00009	.00023	.12	.00002	.00263	.00049	.0039	.00091	.00273	.00132
%RSD	370.52	213.01	1.4593	9.4212	131.95	.04596	22.173	39.181	21.198	.07743	37.911	159.10	6.5440
#1	-.04253	.00229	.08442	.00100	-.00001	262.61	-.00007	.00858	.00266	5.0652	.00175	-.00365	.01917
#2	.09503	-.00046	.08618	.00088	-.00033	262.78	-.00010	.00486	.00197	5.0708	.00303	.00021	.02103
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04302**	**-.00020**	**.00050**	**4.8160**	**.00006**	**.00091**	**10.121**	**.00045**	**.00250**	**.02343**
Stddev	.00282	.00013	.00014	.0054	.00054	.00123	.019	.00002	.00037	.00028
%RSD	6.5440	64.218	28.297	.11174	907.99	135.52	.19172	5.5446	14.718	1.1802
#1	.04103	-.00011	.00060	4.8122	.00044	.00177	10.108	.00043	.00276	.02323
#2	.04501	-.00029	.00040	4.8198	-.00032	.00004	10.135	.00046	.00224	.02362
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.4**	**106440.**	**8895.1**
Stddev	14.0	83.	51.4
%RSD	.16578	.07760	.57746
#1	8479.4	106500.	8858.8
#2	8459.5	106380.	8931.4

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:34:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50304**	**.51439**	**1.0044**	**.50877**	**.50746**	**.49441**	**.00259**	**4.9974**	**.50525**	**.50294**	**.49859**	**.51459**	**2.4062**
Stddev	.00069	.00235	.0020	.00142	.00217	.00088	.00113	.0106	.00021	.00071	.00023	.00001	.0050
%RSD	.13732	.45655	.20235	.27843	.42715	.17769	43.546	.21158	.04253	.14095	.04516	.00142	.20624
#1	.50255	.51605	1.0030	.50776	.50593	.49379	.00179	5.0048	.50540	.50243	.49875	.51459	2.4027
#2	.50353	.51273	1.0059	.50977	.50899	.49504	.00338	4.9899	.50509	.50344	.49843	.51460	2.4097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.753**	**.99873**	**19.604**	**.49793**	**.50827**	**5.2737**	**.50553**	**1.0124**	**1.0270**	**.00271**	**1.0211**	**1.0075**	**4.8611**
Stddev	.040	.00268	.004	.00093	.00299	.0202	.00070	.0022	.0047	.00198	.0029	.0057	.0094
%RSD	.07778	.26839	.01842	.18753	.58738	.38335	.13847	.21962	.45421	73.131	.28313	.56292	.19320
#1	51.724	.99683	19.601	.49727	.50616	5.2880	.50503	1.0109	1.0237	.00411	1.0190	1.0035	4.8678
#2	51.781	1.0006	19.607	.49859	.51038	5.2594	.50602	1.0140	1.0303	.00131	1.0231	1.0115	4.8545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.403**	**1.0087**	**.50320**	**-.00442**	**.50556**	**1.0184**	**.01531**	**.50654**	**.49820**	**.50499**
Stddev	.020	.0022	.00189	.00135	.00018	.0071	.04769	.00067	.00036	.00144
%RSD	.19320	.21866	.37633	30.628	.03597	.69915	311.45	.13182	.07305	.28573
#1	10.417	1.0071	.50186	-.00538	.50543	1.0134	-.01841	.50701	.49794	.50397
#2	10.389	1.0103	.50453	-.00346	.50569	1.0234	.04903	.50607	.49845	.50601
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8693.1**	**110340.**	**8959.3**
Stddev	9.3	187.	49.8
%RSD	.10723	.16937	.55537
#1	8699.7	110210.	8924.1
#2	8686.5	110470.	8994.5

Sample Name: CCB Acquired: 11/9/2013 4:36:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00401**	**.00101**	**.00136**	**.00006**	**.00018**	**.00297**	**.00851**	**.00015**	**-.00005**	**.00011**	**.00045**
Stddev	.00025	.00014	.00308	.00017	.00014	.00004	.00197	.00042	.00002	.00001	.00006	.00001
%RSD	125.70	3.5331	304.56	12.752	244.48	21.017	66.280	4.9544	11.272	22.644	54.012	3.0898
#1	.00002	.00411	-.00117	.00123	.00016	.00021	.00436	.00881	.00014	-.00004	.00015	.00044
#2	.00037	.00391	.00319	.00148	-.00004	.00015	.00158	.00821	.00016	-.00005	.00007	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01678**	**.06109**	W **.00293**	**.00478**	**.00021**	**.00060**	**.00088**	**-.00026**	**.00061**	**.00222**	**.02006**	W **.00612**
Stddev	.00119	.00893	.00216	.00043	.00004	.00018	.01584	.00015	.00072	.00078	.00571	.00227
%RSD	7.0977	14.618	73.917	9.0059	18.097	30.481	1802.8	58.771	116.86	35.190	28.466	37.023
#1	.01763	.05478	.00140	.00508	.00024	.00047	-.01032	-.00037	.00011	.00277	.01602	.00452
#2	.01594	.06741	.00445	.00447	.00019	.00073	.01208	-.00015	.00112	.00167	.02410	.00773
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261									.00314
Low Limit			-.00261									-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.02096**	**.04486**	**.00058**	**.00018**	**-.00245**	F **.00117**	**-.00010**	**.02328**	**-.00054**	W **.00488**	**.00183**
Stddev	.00236	.00184	.00393	.00047	.00003	.00099	.00004	.00111	.02664	.00013	.00011	.00079
%RSD	649.41	8.7605	8.7605	82.392	19.034	40.489	3.1322	1102.8	114.47	24.728	2.3315	43.508
#1	-.00131	.02226	.04764	.00024	.00021	-.00175	.00120	.00068	.04212	-.00044	.00496	.00239
#2	.00203	.01967	.04208	.00091	.00016	-.00316	.00115	-.00089	.00444	-.00063	.00480	.00126
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.00100				.00453	
Low Limit							-.00100				-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8554.7**	**110450.**	**8676.6**
Stddev	15.8	53.	22.4
%RSD	.18440	.04838	.25856
#1	8543.5	110410.	8692.5
#2	8565.8	110490.	8660.8

Sample Name: CCVL2367586 Acquired: 11/9/2013 4:38:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01009**	**.10773**	**.01663**	**.10163**	**.01010**	**.00108**	**.12809**	**.21271**	**.00544**	**.01041**	**.01050**	**.01589**	**.10490**
Stddev	.00020	.00047	.00033	.00037	.00004	.00007	.00068	.00263	.00028	.00003	.00002	.00032	.00115
%RSD	1.9358	.44054	2.0021	.35985	.42518	6.6813	.52760	1.2368	5.0597	.29524	.20080	2.0395	1.0922
#1	.00996	.10739	.01639	.10137	.01013	.00113	.12856	.21085	.00563	.01044	.01049	.01612	.10409
#2	.01023	.10806	.01686	.10189	.01007	.00103	.12761	.21457	.00524	.01039	.01052	.01566	.10571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1978**	**.01172**	**.20468**	**.01027**	**.02092**	**1.0466**	**.04184**	**2.9862**	**.01002**	**.01172**	**.01190**	**.01411**	**.49671**
Stddev	.0663	.00460	.00093	.00005	.00018	.0023	.00037	.0124	.00031	.00061	.00068	.00092	.00920
%RSD	2.0734	39.203	.45272	.48364	.84233	.22220	.87643	.41567	3.0577	5.2431	5.6777	6.5519	1.8513
#1	3.1509	.00847	.20403	.01023	.02080	1.0482	.04158	2.9950	.00980	.01215	.01142	.01345	.49021
#2	3.2447	.01497	.20534	.01030	.02105	1.0449	.04210	2.9775	.01024	.01128	.01238	.01476	.50321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0630**	**.10458**	**.01033**	**.01457**	**.01088**	**.01599**	F **.08922**	**.00983**	**.02595**	**.01727**
Stddev	.0197	.00054	.00022	.00034	.00052	.00048	.03801	.00007	.00010	.00232
%RSD	1.8513	.51790	2.1214	2.3481	4.7976	3.0070	42.603	.68731	.37345	13.411
#1	1.0490	.10496	.01018	.01481	.01051	.01565	.06235	.00978	.02588	.01563
#2	1.0769	.10419	.01049	.01433	.01125	.01633	.11610	.00987	.02602	.01891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8747.5**	**112650.**	**8907.5**
Stddev	13.2	333.	20.4
%RSD	.15080	.29602	.22933
#1	8738.2	112410.	8922.0
#2	8756.8	112880.	8893.1

Sample Name: mb 280-199862/1-a Acquired: 11/9/2013 4:41:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00366**	**.00130**	**.00083**	**-.00009**	**.00005**	**.00259**	**.02871**	**.00026**	**-.00011**
Stddev	.00005	.00006	.00081	.00113	.00008	.00001	.00189	.00115	.00005	.00011
%RSD	17.776	1.5934	62.609	136.56	83.691	14.337	72.856	3.9968	18.716	102.76
#1	.00032	.00371	.00072	.00163	-.00004	.00004	.00126	.02952	.00023	-.00018
#2	.00025	.00362	.00187	.00003	-.00015	.00005	.00393	.02789	.00030	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00100**	**.02108**	**.07348**	**.00260**	**.00297**	**.00016**	**.00001**	**.02421**	**-.00003**
Stddev	.00002	.00003	.00348	.01069	.00141	.00241	.00001	.00032	.00278	.00010
%RSD	9.0271	2.7411	16.493	14.545	54.134	81.178	4.4138	5911.6	11.491	365.99
#1	.00016	.00102	.02354	.06592	.00160	.00468	.00016	-.00022	.02224	.00004
#2	.00018	.00098	.01862	.08103	.00359	.00127	.00015	.00023	.02617	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	**.00083**	**.01922**	**.00061**	**.00093**	**.00039**	**.00083**	**.00284**	**.00013**	**-.00005**
Stddev	.00050	.00058	.00314	.00092	.00018	.00343	.00735	.00035	.00004	.00035
%RSD	17.810	70.016	16.347	150.80	19.773	887.90	887.90	12.152	33.874	669.24
#1	.00316	.00124	.02144	-.00004	.00106	.00281	.00602	.00309	.00010	.00020
#2	.00246	.00042	.01700	.00127	.00080	-.00204	-.00437	.00260	.00016	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00029**	**.01878**	**-.00022**	**.00419**	**.00214**
Stddev	.00009	.00061	.01989	.00015	.00028	.00125
%RSD	17.421	210.77	105.90	64.901	6.6281	58.279
#1	.00044	.00072	.03285	-.00033	.00400	.00126
#2	.00056	-.00014	.00472	-.00012	.00439	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8864.8**	**115550.**	**9216.5**
Stddev	22.1	271.	59.5
%RSD	.24887	.23455	.64535
#1	8880.4	115360.	9174.5
#2	8849.2	115740.	9258.6

Sample Name: lcs 280-199862/2-a Acquired: 11/9/2013 4:43:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04839**	**1.8343**	**.98174**	**.96845**	**1.9672**	**.04784**	**2.2792**	**47.351**	**.10187**	**.47881**
Stddev	.00034	.0032	.00425	.00044	.0060	.00002	.0047	.051	.00042	.00074
%RSD	.70574	.17636	.43303	.04559	.30254	.03595	.20438	.10801	.41598	.15356
#1	.04863	1.8320	.98475	.96814	1.9714	.04783	2.2825	47.387	.10217	.47829
#2	.04814	1.8366	.97874	.96876	1.9630	.04785	2.2759	47.315	.10157	.47933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19606**	**.25247**	**.94650**	**50.364**	**.96907**	**46.915**	**.47524**	**.99535**	**52.909**	**.48394**
Stddev	.00014	.00036	.00653	.169	.00398	.031	.00012	.00209	.188	.00097
%RSD	.07346	.14068	.68990	.33599	.41107	.06620	.02506	.20984	.35451	.20084
#1	.19596	.25222	.94188	50.483	.97189	46.893	.47515	.99387	53.042	.48326
#2	.19616	.25273	.95111	50.244	.96626	46.937	.47532	.99683	52.776	.48463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.022**	**.48242**	**.00684**	**.46578**	**1.9371**	F **.50884**	**1.0889**	**1.9523**	**.97597**	**.96275**
Stddev	.015	.00227	.00230	.00260	.0054	.00818	.0175	.0053	.00258	.00501
%RSD	.14802	.46987	33.592	.55724	.27948	1.6075	1.6075	.27373	.26451	.52040
#1	10.012	.48082	.00522	.46762	1.9409	.50306	1.0765	1.9560	.97779	.95921
#2	10.033	.48402	.00847	.46395	1.9332	.51463	1.1013	1.9485	.97414	.96629
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96851**	**1.8861**	**2.0545**	**.49128**	**.47121**	**.48779**
Stddev	.00208	.0078	.0285	.00100	.00143	.00097
%RSD	.21491	.41600	1.3865	.20352	.30443	.19963
#1	.96704	1.8917	2.0344	.49057	.47019	.48848
#2	.96998	1.8806	2.0747	.49199	.47222	.48710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8426.1**	**108040.**	**8940.4**
Stddev	25.2	214.	21.2
%RSD	.29960	.19809	.23669
#1	8443.9	107890.	8925.4
#2	8408.2	108190.	8955.3

Sample Name: 280-48932-a-1-a Acquired: 11/9/2013 4:45:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**88.030**	**.05817**	**.00831**	**.79742**	**.00284**	**-.00938**	**145.54**	**.00184**	**.08337**
Stddev	.00014	.169	.00186	.00015	.00103	.00005	.00003	.02	.00015	.00074
%RSD	8.4181	.19248	3.2048	1.7537	.12905	1.5891	.27696	.01562	7.9685	.89007
#1	-.00177	87.910	.05685	.00820	.79669	.00281	-.00936	145.52	.00194	.08390
#2	-.00157	88.150	.05948	.00841	.79815	.00288	-.00940	145.56	.00174	.08285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14370**	**.21386**	**221.58**	**15.471**	**.12000**	**63.285**	**3.6086**	**.00412**	**2.4339**	**.15184**
Stddev	.00085	.00084	.01	.042	.00160	.078	.0348	.00021	.0048	.00088
%RSD	.58874	.39284	.00334	.26971	1.3338	.12286	.96572	5.0824	.19646	.58120
#1	.14430	.21445	221.57	15.441	.12113	63.340	3.5840	.00427	2.4306	.15246
#2	.14310	.21326	221.58	15.500	.11887	63.230	3.6333	.00398	2.4373	.15122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6109**	**.06834**	**.39611**	**.00174**	**.00039**	**1.9113**	**4.0901**	**.01663**	**.51658**	**.04783**
Stddev	.0116	.00085	.00583	.00186	.00018	.0146	.0312	.00007	.00041	.00039
%RSD	.13472	1.2400	1.4712	106.72	46.433	.76169	.76169	.42793	.08030	.81306
#1	8.6191	.06893	.40023	.00043	.00051	1.9216	4.1121	.01658	.51628	.04755
#2	8.6027	.06774	.39199	.00305	.00026	1.9010	4.0681	.01668	.51687	.04810
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.039**	**-.00284**	F **-.17352**	**.48390**	**.71339**	**.14190**
Stddev	.041	.00158	.01090	.00043	.00230	.00025
%RSD	.33826	55.726	6.2833	.08855	.32226	.17311
#1	12.011	-.00396	-.16581	.48421	.71501	.14208
#2	12.068	-.00172	-.18123	.48360	.71176	.14173
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9167.0**	**116850.**	**9916.0**
Stddev	14.1	264.	16.5
%RSD	.15395	.22626	.16628
#1	9157.0	116660.	9904.4
#2	9177.0	117030.	9927.7

Sample Name: 280-48932-a-1-aSD@5 Acquired: 11/9/2013 4:48:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**20.199**	**.01203**	**.00343**	**.18183**	**.00076**	**-.00193**	**33.565**	**.00054**	**.01990**
Stddev	.00030	.011	.00138	.00020	.00010	.00004	.00005	.059	.00007	.00005
%RSD	99.219	.05546	11.468	5.8193	.05611	5.1388	2.6117	.17663	12.298	.23354
#1	-.00052	20.191	.01301	.00357	.18175	.00078	-.00196	33.607	.00059	.01987
#2	-.00009	20.207	.01106	.00329	.18190	.00073	-.00189	33.523	.00049	.01993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03353**	**.04858**	**51.763**	**3.5089**	**.02584**	**14.557**	**.84958**	**.00087**	**.49999**	**.03571**
Stddev	.00007	.00028	.364	.0550	.00118	.033	.00132	.00010	.01207	.00012
%RSD	.20245	.57530	.70389	1.5686	4.5821	.22660	.15536	11.927	2.4146	.35004
#1	.03358	.04838	52.021	3.5478	.02668	14.581	.85051	.00080	.50852	.03579
#2	.03348	.04878	51.506	3.4699	.02500	14.534	.84864	.00094	.49145	.03562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9588**	**.01688**	**.09749**	**-.00282**	**.00137**	**.42050**	**.89987**	**.00518**	**.11829**	**.01233**
Stddev	.0089	.00070	.00523	.00049	.00315	.00189	.00406	.00038	.00003	.00017
%RSD	.45636	4.1662	5.3672	17.382	230.26	.45064	.45064	7.3651	.02327	1.3790
#1	1.9652	.01737	.09379	-.00248	-.00086	.41916	.89700	.00491	.11830	.01245
#2	1.9525	.01638	.10119	-.00317	.00360	.42184	.90274	.00545	.11827	.01221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7845**	**.00000**	**-.03702**	**.11085**	**.17202**	**.03504**
Stddev	.0004	.00126	.02194	.00014	.00203	.00012
%RSD	.01330	14e6	59.273	.12376	1.1804	.33815
#1	2.7842	-.00089	-.02150	.11095	.17346	.03512
#2	2.7848	.00089	-.05254	.11076	.17059	.03496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8794.4**	**112250.**	**9114.6**
Stddev	30.7	438.	28.2
%RSD	.34899	.38996	.30898
#1	8772.7	111940.	9134.5
#2	8816.1	112560.	9094.7

Sample Name: 280-48932-a-1-b du Acquired: 11/9/2013 4:50:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**58.058**	**.02267**	**.00439**	**.54726**	**.00170**	**-.00533**	**71.140**	**.00086**	**.06950**
Stddev	.00044	.027	.00241	.00007	.00160	.00000	.00111	.086	.00017	.00018
%RSD	22.266	.04568	10.610	1.5808	.29160	.16161	20.751	.12153	20.139	.26186
#1	-.00228	58.039	.02097	.00435	.54613	.00170	-.00455	71.079	.00098	.06962
#2	-.00166	58.077	.02437	.00444	.54839	.00170	-.00611	71.201	.00073	.06937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06840**	**.15714**	**186.40**	**8.7414**	**.06057**	**39.975**	**2.4210**	**.00232**	**2.7086**	**.08633**
Stddev	.00003	.00017	.67	.0063	.00177	.048	.0032	.00001	.0095	.00023
%RSD	.05027	.11107	.36075	.07213	2.9299	.12040	.13382	.47242	.35053	.26196
#1	.06838	.15726	185.92	8.7458	.05932	39.941	2.4233	.00232	2.7019	.08617
#2	.06843	.15701	186.87	8.7369	.06183	40.009	2.4187	.00231	2.7153	.08649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.772**	**.03554**	**.56507**	**-.00170**	**-.00172**	**1.6209**	**3.4688**	**.01555**	**.30005**	**.02998**
Stddev	.036	.00066	.00721	.00037	.00089	.0140	.0299	.00008	.00100	.00058
%RSD	.33517	1.8621	1.2751	21.932	51.909	.86211	.86211	.51932	.33465	1.9350
#1	10.747	.03507	.55997	-.00196	-.00235	1.6308	3.4900	.01561	.29934	.02957
#2	10.798	.03601	.57016	-.00143	-.00109	1.6111	3.4477	.01549	.30076	.03039
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.144**	**-.00207**	F **-.14911**	**.46841**	**.54291**	**.19193**
Stddev	.048	.00012	.01604	.00107	.00075	.00298
%RSD	.39716	5.5602	10.759	.22797	.13868	1.5522
#1	12.110	-.00199	-.16045	.46765	.54237	.18982
#2	12.178	-.00215	-.13777	.46916	.54344	.19404
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9536.0**	**121520.**	**10271.**
Stddev	1.0	43.	23.
%RSD	.01044	.03566	.22108
#1	9536.7	121490.	10255.
#2	9535.3	121550.	10287.

Sample Name: 280-48932-a-1-c ms Acquired: 11/9/2013 4:52:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04118**	**71.775**	**.83517**	**.82267**	**2.4769**	**.04343**	F **1.9809**	**122.14**	**.08996**	**.48780**
Stddev	.00020	.048	.00154	.00057	.0089	.00008	.0029	.22	.00054	.00050
%RSD	.48142	.06717	.18430	.06926	.35764	.17607	.14672	.18147	.59544	.10198
#1	.04132	71.741	.83408	.82308	2.4706	.04337	1.9788	121.98	.08958	.48744
#2	.04104	71.809	.83626	.82227	2.4832	.04348	1.9829	122.30	.09034	.48815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25605**	**.38352**	**210.12**	**54.599**	**.91957**	**87.920**	**3.5630**	**.84363**	**52.005**	**.50682**
Stddev	.00005	.00032	.70	.042	.00307	.108	.0116	.00077	.114	.00029
%RSD	.01942	.08448	.33127	.07661	.33351	.12325	.32519	.09167	.21893	.05702
#1	.25601	.38329	209.63	54.569	.91741	87.997	3.5712	.84417	52.085	.50662
#2	.25608	.38375	210.62	54.628	.92174	87.844	3.5548	.84308	51.924	.50703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.216**	**.45125**	**.93340**	**.23997**	**1.6308**	**3.9149**	**8.3778**	**1.3746**	**1.2094**	**.87462**
Stddev	.014	.00045	.00460	.00210	.0029	.0120	.0256	.0043	.0038	.00181
%RSD	.07707	.10062	.49308	.87476	.17858	.30570	.30570	.31068	.31631	.20642
#1	18.226	.45157	.93015	.23848	1.6288	3.9233	8.3959	1.3716	1.2067	.87590
#2	18.206	.45093	.93666	.24145	1.6329	3.9064	8.3597	1.3776	1.2121	.87335
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.228**	**1.5585**	**1.6289**	**.92442**	**.96277**	**.62904**
Stddev	.058	.0059	.0144	.00033	.00181	.00068
%RSD	.43794	.37760	.88136	.03551	.18817	.10796
#1	13.268	1.5544	1.6390	.92419	.96406	.62856
#2	13.187	1.5627	1.6187	.92465	.96149	.62952
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9298.9**	**118420.**	**10096.**
Stddev	5.4	186.	51.
%RSD	.05810	.15713	.50059
#1	9295.1	118290.	10060.
#2	9302.7	118550.	10131.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:55:02 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**50.102**	**.00345**	**.00623**	**.00048**	**.00006**	**1.0393**	**.03745**	**.00005**	**-.00078**	**-.00002**	**.00925**
Stddev	.00009	.187	.00039	.00030	.00047	.00009	.0070	.01155	.00015	.00013	.00015	.00039
%RSD	2.2671	.37419	11.359	4.8268	98.041	140.54	.67595	30.832	294.41	16.803	859.68	4.1808
#1	.00419	50.235	.00317	.00601	.00081	.00000	1.0443	.04562	-.00006	-.00068	-.00013	.00898
#2	.00406	49.970	.00373	.00644	.00015	.00012	1.0343	.02929	.00016	-.00087	.00009	.00952
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.926**	**.10675**	**.00204**	**.08651**	**.00089**	**.00015**	**263.58**	**-.00017**	**.00418**	**.00192**	**5.0265**	**.00252**
Stddev	.028	.00313	.00214	.00236	.00002	.00026	.32	.00003	.00032	.00112	.0135	.00150
%RSD	.05793	2.9301	104.63	2.7244	2.5183	170.22	.12284	18.979	7.6826	58.204	.26803	59.572
#1	47.906	.10454	.00053	.08818	.00091	.00034	263.81	-.00019	.00440	.00271	5.0360	.00146
#2	47.945	.10896	.00355	.08484	.00088	-.00003	263.35	-.00015	.00395	.00113	5.0170	.00358
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.02559**	**.05477**	**-.00039**	**.00067**	W **4.7459**	**-.00228**	**.00129**	**9.9947**	**.00069**	**.00206**	**.02640**
Stddev	.00264	.00653	.01398	.00040	.00021	.0076	.00019	.00008	.0082	.00018	.00004	.00011
%RSD	2347.4	25.522	25.522	103.35	31.737	.16003	8.4211	6.1815	.08193	26.405	1.7423	.42928
#1	.00198	.03021	.06465	-.00010	.00083	4.7405	-.00215	.00135	10.000	.00056	.00208	.02632
#2	-.00176	.02097	.04488	-.00067	.00052	4.7512	-.00242	.00124	9.9889	.00082	.00203	.02648
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8566.3**	**108480.**	**9025.3**
Stddev	19.8	466.	19.7
%RSD	.23168	.43003	.21827
#1	8580.3	108810.	9011.4
#2	8552.3	108150.	9039.2

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:57:24 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49910**	**.50511**	**1.0153**	**.51573**	**.50235**	**.49295**	**.00219**	**4.9657**	**.50853**	**.50402**	**.50355**	**.51063**	**2.3653**
Stddev	.00055	.00123	.0015	.00152	.00185	.00196	.00044	.0125	.00075	.00030	.00037	.00035	.0149
%RSD	.10994	.24316	.14898	.29557	.36875	.39834	19.909	.25141	.14738	.05985	.07396	.06791	.63045
#1	.49949	.50597	1.0142	.51465	.50104	.49156	.00250	4.9568	.50800	.50423	.50329	.51038	2.3548
#2	.49871	.50424	1.0164	.51681	.50366	.49434	.00188	4.9745	.50906	.50381	.50381	.51087	2.3759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.559**	**.98955**	**19.497**	**.49145**	**.51594**	**5.2694**	**.50834**	**1.0250**	**1.0367**	**.00251**	**1.0274**	**1.0186**	**4.8135**
Stddev	.208	.00371	.056	.00013	.00036	.0084	.00010	.0001	.0035	.00461	.0049	.0082	.0147
%RSD	.40274	.37472	.28622	.02703	.07050	.15997	.01968	.01162	.34049	183.81	.48103	.80188	.30427
#1	51.412	.98692	19.536	.49135	.51620	5.2635	.50827	1.0251	1.0342	.00577	1.0239	1.0128	4.8032
#2	51.706	.99217	19.457	.49154	.51568	5.2754	.50841	1.0249	1.0392	-.00075	1.0309	1.0243	4.8239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.301**	**1.0207**	**.50070**	**-.00366**	**.49591**	**1.0222**	**-.00611**	**.50237**	**.49372**	**.49472**
Stddev	.031	.0022	.00211	.00022	.00106	.0001	.02917	.00133	.00107	.00513
%RSD	.30427	.21045	.42117	6.0448	.21440	.01033	477.59	.26458	.21596	1.0377
#1	10.279	1.0192	.49921	-.00381	.49516	1.0223	-.02674	.50143	.49296	.49109
#2	10.323	1.0222	.50219	-.00350	.49666	1.0222	.01452	.50331	.49447	.49835
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8716.5**	**111980.**	**9047.1**
Stddev	14.8	307.	76.0
%RSD	.17026	.27392	.83990
#1	8706.0	111770.	9100.8
#2	8727.0	112200.	8993.3

Sample Name: CCB Acquired: 11/9/2013 4:59:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.01255**	**.00104**	**.00207**	**-.00013**	**.00010**	**.00204**	**.00276**	**.00036**	**-.00008**	**.00014**	**.00023**
Stddev	.00030	.00925	.00176	.00009	.00039	.00007	.00095	.00018	.00015	.00026	.00005	.00006
%RSD	150.98	73.665	169.53	4.1242	293.30	69.379	46.657	6.6384	41.721	311.78	39.467	26.959
#1	-.00001	.01909	-.00021	.00201	-.00040	.00005	.00272	.00289	.00025	.00010	.00018	.00019
#2	.00041	.00601	.00228	.00213	.00014	.00015	.00137	.00263	.00047	-.00027	.00010	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00783**	**.08512**	W **.00279**	**.00396**	**.00017**	**.00057**	**-.00719**	**.00002**	**.00160**	**.00100**	**.00548**	F **.00670**
Stddev	.00008	.00964	.00307	.00201	.00005	.00038	.00197	.00001	.00176	.00043	.00057	.00096
%RSD	.96178	11.328	109.94	50.792	30.182	66.286	27.422	54.005	110.42	42.895	10.488	14.282
#1	.00788	.09194	.00496	.00538	.00013	.00083	-.00859	.00003	.00284	.00131	.00588	.00737
#2	.00777	.07830	.00062	.00254	.00020	.00030	-.00580	.00001	.00035	.00070	.00507	.00602
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261									.00628
Low Limit			-.00261									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.01193**	**.02553**	**.00039**	**.00016**	**-.00078**	**.00031**	**.00016**	**-.00104**	**-.00021**	**.00433**	**.00091**
Stddev	.00108	.00787	.01684	.00009	.00006	.00014	.00021	.00078	.04050	.00007	.00005	.00017
%RSD	53.304	65.986	65.986	22.354	34.008	18.386	69.193	501.55	3890.5	31.057	1.2495	18.640
#1	.00279	.00636	.01362	.00045	.00012	-.00088	.00046	.00070	-.02968	-.00017	.00429	.00079
#2	.00126	.01749	.03744	.00033	.00020	-.00067	.00016	-.00039	.02760	-.00026	.00436	.00103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8618.7**	**112530.**	**8829.4**
Stddev	23.7	126.	93.7
%RSD	.27500	.11157	1.0617
#1	8601.9	112440.	8895.7
#2	8635.5	112620.	8763.1

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:01:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00982**	**.10867**	**.01657**	**.10310**	**.01001**	**.00113**	F **.13051**	**.21267**	**.00559**	**.01062**	**.01074**	**.01623**	**.10550**
Stddev	.00010	.00010	.00394	.00083	.00001	.00001	.00050	.00173	.00013	.00020	.00003	.00032	.00159
%RSD	1.0425	.09568	23.751	.80591	.14858	1.1323	.38433	.81373	2.3436	1.8536	.26302	1.9865	1.5096
#1	.00974	.10859	.01935	.10368	.01000	.00113	.13087	.21145	.00550	.01076	.01072	.01600	.10437
#2	.00989	.10874	.01379	.10251	.01002	.00114	.13016	.21390	.00568	.01048	.01076	.01645	.10663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2270**	**.01271**	**.21163**	**.01045**	**.02154**	**1.0650**	**.04253**	**3.0528**	**.01091**	**.00775**	**.00995**	**.01597**	**.50680**
Stddev	.0442	.00154	.00083	.00001	.00009	.0041	.00049	.0056	.00055	.00097	.00248	.00142	.02266
%RSD	1.3705	12.093	.39017	.08947	.40095	.38699	1.1467	.18338	5.0377	12.481	24.918	8.9147	4.4713
#1	3.2583	.01162	.21105	.01045	.02160	1.0680	.04288	3.0568	.01130	.00707	.01170	.01497	.49077
#2	3.1958	.01379	.21222	.01046	.02148	1.0621	.04219	3.0488	.01052	.00843	.00820	.01698	.52282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0845**	**.10742**	**.01046**	**.01489**	**.01104**	**.01547**	F **.09128**	**.01003**	**.02498**	**.01641**
Stddev	.0485	.00001	.00007	.00103	.00006	.00044	.00210	.00028	.00022	.00033
%RSD	4.4713	.00706	.67877	6.9201	.53620	2.8402	2.3007	2.7808	.89963	1.9986
#1	1.0503	.10743	.01041	.01416	.01100	.01579	.09276	.00984	.02483	.01618
#2	1.1188	.10742	.01051	.01562	.01108	.01516	.08979	.01023	.02514	.01664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8724.5**	**112590.**	**8872.7**
Stddev	12.3	69.	36.9
%RSD	.14052	.06089	.41562
#1	8715.9	112540.	8898.8
#2	8733.2	112640.	8846.7

Sample Name: mb 280-199785/1-a Acquired: 11/9/2013 5:04:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00466**	**.00008**	**.00129**	**-.00009**	**.00008**	**.00262**	**.00988**	**.00030**	**.00001**
Stddev	.00048	.00007	.00156	.00049	.00006	.00006	.00001	.00156	.00007	.00009
%RSD	319.43	1.4217	1961.6	38.317	66.007	79.671	.45967	15.834	23.276	828.33
#1	.00049	.00462	-.00103	.00164	-.00014	.00012	.00263	.01098	.00035	.00007
#2	-.00019	.00471	.00119	.00094	-.00005	.00003	.00262	.00877	.00025	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00046**	**.00783**	**.05678**	**.00099**	**.00439**	**.00017**	**.00013**	**-.03043**	**-.00001**
Stddev	.00014	.00010	.00150	.04580	.00063	.00323	.00008	.00028	.01376	.00019
%RSD	79.050	22.078	19.194	80.662	63.389	73.462	45.319	216.62	45.231	2477.2
#1	.00027	.00039	.00677	.08916	.00055	.00211	.00023	.00032	-.04017	.00012
#2	.00008	.00054	.00889	.02439	.00143	.00667	.00012	-.00007	-.02070	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00125**	**.00435**	**.00038**	**.00032**	**-.00464**	**-.00992**	**-.00074**	**.00008**	W **.00041**
Stddev	.00010	.00034	.00337	.00038	.00004	.01200	.02567	.00108	.00005	.00000
%RSD	5.0006	27.444	77.469	100.80	13.437	258.76	258.76	145.50	58.334	.16931
#1	.00199	.00149	.00197	.00011	.00029	.00385	.00823	-.00151	.00012	.00041
#2	.00213	.00101	.00674	.00065	.00035	-.01312	-.02807	.00002	.00005	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00037**	**.00941**	**-.00038**	W **.00375**	**.00302**
Stddev	.00006	.00001	.02223	.00088	.00039	.00000
%RSD	9.5460	3.8818	236.19	232.81	10.416	.10569
#1	.00063	-.00036	-.00631	-.00100	.00348	.00302
#2	.00055	-.00038	.02513	.00025	.00403	.00302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8830.9**	**115190.**	**9029.0**
Stddev	2.9	56.	26.3
%RSD	.03310	.04850	.29088
#1	8828.8	115230.	9047.6
#2	8833.0	115150.	9010.5

Sample Name: lcs 280-199785/2-a Acquired: 11/9/2013 5:06:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05024**	**1.8843**	**1.0158**	**1.0258**	**2.0503**	**.04982**	**2.3576**	**49.419**	**.10553**	**.49313**
Stddev	.00039	.0008	.0010	.0010	.0011	.00005	.0019	.004	.00016	.00009
%RSD	.76715	.04400	.10120	.09289	.05348	.09438	.07945	.00834	.14907	.01800
#1	.05051	1.8837	1.0151	1.0265	2.0495	.04979	2.3589	49.422	.10542	.49320
#2	.04997	1.8849	1.0166	1.0252	2.0511	.04986	2.3563	49.416	.10564	.49307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20377**	**.25956**	**.95028**	**52.703**	**1.0054**	**48.906**	**.49000**	**1.0423**	**54.943**	**.49796**
Stddev	.00023	.00074	.00129	.057	.0020	.186	.00178	.0008	.156	.00008
%RSD	.11220	.28605	.13592	.10818	.20267	.38028	.36394	.07265	.28431	.01650
#1	.20361	.25904	.95119	52.663	1.0039	48.774	.48874	1.0428	55.054	.49802
#2	.20393	.26009	.94937	52.744	1.0068	49.037	.49126	1.0418	54.833	.49791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.361**	**.49798**	**-.00058**	**.50934**	**2.0202**	**9.9557**	**21.305**	**2.0317**	**1.0185**	**.99134**
Stddev	.013	.00062	.00233	.00676	.0055	.0736	.158	.0072	.0002	.00538
%RSD	.12828	.12356	404.17	1.3271	.27272	.73936	.73936	.35637	.01682	.54227
#1	10.370	.49755	.00107	.51412	2.0241	9.9036	21.194	2.0369	1.0184	.98754
#2	10.351	.49842	-.00222	.50456	2.0163	10.008	21.417	2.0266	1.0186	.99514
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0071**	**1.9449**	**2.1469**	**.51219**	**.48856**	**.51463**
Stddev	.0036	.0047	.0250	.00284	.00316	.00473
%RSD	.35380	.24327	1.1667	.55424	.64780	.91933
#1	1.0046	1.9482	2.1646	.51018	.48632	.51129
#2	1.0096	1.9415	2.1292	.51420	.49079	.51798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8449.4**	**108270.**	**8879.7**
Stddev	2.2	393.	19.3
%RSD	.02562	.36328	.21784
#1	8451.0	108550.	8893.3
#2	8447.9	107990.	8866.0

Sample Name: 280-48907-f-1-a Acquired: 11/9/2013 5:08:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.05334**	**.00386**	**.21931**	**.16336**	**.00012**	**-.00307**	**71.867**	**.00048**	**.00014**
Stddev	.00024	.00005	.00142	.00004	.00055	.00009	.00068	.123	.00010	.00005
%RSD	142.67	.08963	36.778	.02015	.33579	74.385	22.190	.17150	19.861	37.672
#1	-.00034	.05337	.00286	.21934	.16375	.00006	-.00259	71.954	.00055	.00011
#2	.00000	.05330	.00487	.21928	.16297	.00019	-.00355	71.779	.00041	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00335**	**.03554**	**10.455**	**.03853**	**10.910**	**.00600**	**.08963**	**382.62**	**.00488**
Stddev	.00010	.00015	.00106	.049	.00042	.001	.00003	.00009	.71	.00005
%RSD	12.296	4.3880	2.9760	.46734	1.1015	.00833	.42201	.10013	.18489	1.0981
#1	.00088	.00345	.03629	10.420	.03883	10.909	.00601	.08969	383.12	.00485
#2	.00074	.00324	.03479	10.489	.03823	10.911	.00598	.08957	382.12	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06283**	**.00058**	**77.008**	**-.00021**	**.04058**	**8.5983**	**18.400**	**.00019**	**.65774**	**-.00331**
Stddev	.00203	.00181	.091	.00149	.00242	.0160	.034	.00017	.00202	.00138
%RSD	3.2257	310.61	.11872	711.02	5.9704	.18575	.18575	91.966	.30646	41.833
#1	.06140	-.00070	76.944	-.00126	.03887	8.5870	18.376	.00031	.65917	-.00233
#2	.06426	.00186	77.073	.00084	.04230	8.6095	18.424	.00007	.65632	-.00429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00051**	**.03301**	**.00233**	**.00805**	**.00295**
Stddev	.00005	.00114	.00567	.00008	.00020	.00077
%RSD	11.121	225.31	17.174	3.3660	2.4387	26.105
#1	.00041	-.00030	.03702	.00227	.00791	.00241
#2	.00048	.00131	.02900	.00238	.00819	.00350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8275.5**	**104490.**	**8932.1**
Stddev	7.1	96.	14.3
%RSD	.08563	.09179	.16037
#1	8280.5	104560.	8942.2
#2	8270.5	104420.	8921.9

Sample Name: 280-48907-f-1-aSD@5 Acquired: 11/9/2013 5:10:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.02271**	**-.00081**	**.04884**	**.03494**	**.00011**	**.00059**	**15.626**	**.00045**	**-.00014**
Stddev	.00063	.00008	.00214	.00038	.00007	.00002	.00069	.033	.00016	.00003
%RSD	313.30	.35507	262.70	.77655	.19674	18.780	116.85	.21090	36.120	23.018
#1	-.00024	.02277	.00070	.04911	.03499	.00009	.00010	15.649	.00056	-.00016
#2	.00064	.02266	-.00233	.04857	.03489	.00012	.00108	15.602	.00033	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00101**	**.02425**	**2.2901**	**.01024**	**2.4081**	**.00149**	**.01930**	**82.702**	**.00115**
Stddev	.00006	.00019	.00136	.0466	.00095	.0031	.00004	.00021	.151	.00019
%RSD	22.414	18.689	5.6159	2.0364	9.2430	.12917	2.7350	1.0697	.18298	16.243
#1	.00028	.00114	.02521	2.3231	.00957	2.4059	.00152	.01945	82.809	.00102
#2	.00021	.00088	.02329	2.2571	.01091	2.4103	.00147	.01916	82.595	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.00036**	**15.901**	**-.00090**	**.01067**	**1.8532**	**3.9659**	**.00246**	**.14277**	**-.00287**
Stddev	.00037	.00071	.013	.00147	.00084	.0048	.0104	.00019	.00003	.00015
%RSD	2.6907	197.69	.08330	162.87	7.9081	.26126	.26126	7.6379	.02399	5.2967
#1	.01366	.00086	15.892	.00014	.01008	1.8498	3.9585	.00259	.14275	-.00298
#2	.01419	-.00014	15.910	-.00195	.01127	1.8566	3.9732	.00233	.14280	-.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00053**	**.01811**	**-.00011**	**.01201**	**.00109**
Stddev	.00012	.00043	.00828	.00020	.00044	.00150
%RSD	211.77	80.988	45.713	176.02	3.6454	138.00
#1	-.00003	.00023	.01226	-.00025	.01170	.00215
#2	.00015	.00083	.02397	.00003	.01232	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8470.2**	**108610.**	**8872.0**
Stddev	27.4	382.	33.8
%RSD	.32312	.35203	.38057
#1	8450.9	108340.	8895.8
#2	8489.6	108880.	8848.1

Sample Name: 280-48907-f-1-b ms Acquired: 11/9/2013 5:13:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05200**	**1.9225**	W **2.3797**	**1.0801**	**1.2578**	**2.2833**	**.05177**	F **2.3844**	**124.06**	**.10982**
Stddev	.00125	.0002	.0036	.0026	.0017	.0089	.00036	.0004	.60	.00013
%RSD	2.3985	.01153	.15213	.23815	.13470	.39214	.70158	.01853	.48532	.11566
#1	.05288	1.9224	2.3822	1.0819	1.2590	2.2896	.05203	2.3841	124.48	.10973
#2	.05112	1.9227	2.3771	1.0783	1.2566	2.2770	.05152	2.3848	123.63	.10991
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50004**	**.20892**	**.27107**	**1.0031**	**66.338**	**1.0844**	**60.374**	**.50911**	**1.1673**	**449.15**
Stddev	.00107	.00037	.00055	.0033	.034	.0034	.008	.00026	.0014	2.05
%RSD	.21306	.17915	.20178	.33107	.05137	.31388	.01247	.05074	.12005	.45550
#1	.49929	.20866	.27068	1.0055	66.362	1.0868	60.368	.50930	1.1683	450.60
#2	.50080	.20919	.27145	1.0008	66.314	1.0820	60.379	.50893	1.1663	447.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50991**	W **11.174**	**.49346**	**78.006**	**.52219**	**2.1340**	**19.057**	**40.782**	W **2.0580**	**1.7313**
Stddev	.00007	.002	.00088	.022	.00455	.0038	.016	.034	.0007	.0065
%RSD	.01340	.01820	.17859	.02765	.87178	.17742	.08331	.08331	.03522	.37599
#1	.50987	11.172	.49409	77.991	.52540	2.1367	19.068	40.806	2.0585	1.7359
#2	.50996	11.175	.49284	78.022	.51897	2.1313	19.046	40.758	2.0575	1.7267
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**1.0453**	**1.8405**	**2.1626**	**.53334**	**.51187**	**.53370**
Stddev	.0010	.0003	.0024	.0549	.00030	.00163	.00173
%RSD	.09367	.03202	.13329	2.5391	.05632	.31881	.32435
#1	1.0334	1.0455	1.8422	2.1237	.53355	.51302	.53492
#2	1.0320	1.0450	1.8387	2.2014	.53313	.51072	.53247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.2**	**102950.**	**8743.2**
Stddev	11.9	138.	41.7
%RSD	.14721	.13360	.47682
#1	8082.8	102850.	8772.6
#2	8099.6	103050.	8713.7

Sample Name: 280-48907-f-1-c msd Acquired: 11/9/2013 5:15:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05137**	**1.8933**	**1.0613**	**1.2296**	**2.2261**	**.05055**	F **2.3375**	**120.77**	**.10776**	**.49168**
Stddev	.00065	.0001	.0002	.0008	.0009	.00024	.0054	.16	.00017	.00009
%RSD	1.2690	.00619	.01645	.06085	.03954	.47939	.23016	.13248	.16178	.01751
#1	.05091	1.8932	1.0614	1.2291	2.2267	.05038	2.3413	120.66	.10764	.49174
#2	.05183	1.8934	1.0612	1.2301	2.2255	.05072	2.3337	120.89	.10788	.49162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20483**	**.26532**	**.97122**	**64.741**	**1.0586**	**59.242**	**.50023**	**1.1363**	**435.95**	**.50073**
Stddev	.00043	.00013	.00163	.120	.0019	.105	.00037	.0008	.22	.00019
%RSD	.20963	.04768	.16824	.18488	.17612	.17692	.07438	.07453	.04964	.03841
#1	.20513	.26541	.97237	64.657	1.0599	59.316	.50049	1.1357	435.80	.50087
#2	.20452	.26523	.97006	64.826	1.0572	59.167	.49997	1.1369	436.10	.50060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.964**	**.48374**	**76.436**	**.50971**	**2.0996**	**18.513**	**39.618**	**1.9988**	**1.6838**	**1.0163**
Stddev	.005	.00086	.038	.00221	.0097	.112	.239	.0013	.0013	.0013
%RSD	.04394	.17687	.04938	.43299	.46071	.60259	.60259	.06587	.07724	.13144
#1	10.960	.48314	76.409	.50815	2.0927	18.592	39.787	1.9997	1.6848	1.0153
#2	10.967	.48435	76.463	.51127	2.1064	18.434	39.450	1.9978	1.6829	1.0172
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0192**	**1.8082**	**2.1388**	**.52467**	**.50315**	**.51664**
Stddev	.0008	.0005	.0183	.00092	.00340	.00278
%RSD	.07550	.02995	.85482	.17612	.67625	.53847
#1	1.0186	1.8078	2.1259	.52401	.50074	.51861
#2	1.0197	1.8085	2.1517	.52532	.50555	.51467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8113.9**	**102960.**	**8841.4**
Stddev	2.9	447.	40.1
%RSD	.03584	.43404	.45319
#1	8111.8	102640.	8869.7
#2	8115.9	103270.	8813.0

Sample Name: CCVH-2357613 Acquired: 11/9/2013 5:17:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**49.778**	**.00265**	**.00749**	**.00059**	**.00011**	**1.0362**	**.03408**	**.00003**	**-.00080**	**-.00004**	**.00932**
Stddev	.00003	.097	.00152	.00025	.00029	.00006	.0032	.00223	.00014	.00016	.00009	.00027
%RSD	.96228	.19524	57.413	3.4025	49.176	58.995	.31387	6.5480	412.70	20.168	241.20	2.8845
#1	.00339	49.709	.00372	.00767	.00038	.00006	1.0339	.03566	.00013	-.00069	-.00010	.00913
#2	.00335	49.846	.00157	.00731	.00079	.00015	1.0385	.03250	-.00006	-.00092	.00003	.00951
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.628**	**.32790**	**.00347**	**.08808**	**.00047**	**.00038**	**262.21**	**-.00038**	**.00275**	**.00327**	**5.0424**	**-.00039**
Stddev	.016	.03627	.00145	.00605	.00003	.00020	.57	.00034	.00069	.00084	.0005	.00080
%RSD	.03295	11.061	41.672	6.8677	6.5365	53.634	.21777	90.961	24.902	25.584	.01038	208.02
#1	47.639	.35355	.00450	.09236	.00049	.00023	261.81	-.00062	.00227	.00386	5.0420	.00018
#2	47.616	.30225	.00245	.08380	.00045	.00052	262.61	-.00013	.00324	.00267	5.0428	-.00096
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.03029**	**.06482**	**-.00054**	**.00071**	W **4.7259**	**-.00590**	**.00100**	**9.9016**	**.00039**	**.00213**	**.02647**
Stddev	.00254	.00433	.00926	.00009	.00008	.0074	.00042	.00033	.0294	.00040	.00017	.00052
%RSD	277.80	14.291	14.291	15.833	10.611	.15740	7.2044	32.539	.29714	102.15	8.0533	1.9530
#1	-.00088	.02723	.05827	-.00060	.00076	4.7312	-.00620	.00077	9.9224	.00068	.00225	.02683
#2	.00271	.03335	.07137	-.00048	.00066	4.7207	-.00560	.00124	9.8808	.00011	.00201	.02610
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8501.5**	**107340.**	**8877.2**
Stddev	6.4	116.	81.3
%RSD	.07528	.10817	.91553
#1	8496.9	107260.	8934.7
#2	8506.0	107420.	8819.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 5:19:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49887**	**.49639**	**1.0172**	**.51397**	**.49951**	**.49095**	**.00205**	**4.9651**	**.50665**	**.50095**	**.50342**	**.50898**	**2.3325**
Stddev	.00010	.00008	.0028	.00152	.00005	.00061	.00086	.0213	.00007	.00001	.00002	.00064	.0113
%RSD	.01910	.01545	.27095	.29600	.00979	.12507	41.817	.42868	.01405	.00138	.00338	.12495	.48478
#1	.49881	.49634	1.0191	.51290	.49954	.49052	.00265	4.9500	.50660	.50095	.50341	.50943	2.3405
#2	.49894	.49645	1.0152	.51505	.49947	.49139	.00144	4.9801	.50670	.50094	.50343	.50853	2.3246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.606**	**.98708**	**19.543**	**.49017**	**.51353**	**5.3453**	**.50855**	**1.0187**	**1.0247**	**.01051**	**1.0113**	**1.0108**	**4.8391**
Stddev	.064	.00303	.057	.00066	.00097	.0174	.00018	.0025	.0035	.00266	.0026	.0029	.0096
%RSD	.12345	.30732	.29209	.13546	.18806	.32482	.03600	.24284	.33865	25.269	.25568	.28962	.19821
#1	51.561	.98493	19.502	.48970	.51285	5.3330	.50842	1.0205	1.0223	.01239	1.0094	1.0087	4.8323
#2	51.651	.98922	19.583	.49064	.51422	5.3576	.50868	1.0170	1.0272	.00863	1.0131	1.0129	4.8458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.356**	**1.0135**	**.49763**	**-.00356**	**.49203**	**1.0110**	**.05483**	**.50110**	**.49322**	**.49680**
Stddev	.021	.0013	.00018	.00083	.00067	.0031	.00608	.00005	.00130	.00099
%RSD	.19821	.12515	.03659	23.389	.13657	.30232	11.098	.00980	.26433	.20004
#1	10.341	1.0144	.49751	-.00297	.49156	1.0132	.05913	.50107	.49230	.49610
#2	10.370	1.0126	.49776	-.00414	.49251	1.0088	.05052	.50114	.49414	.49750
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8711.2**	**111650.**	**9000.5**
Stddev	2.8	405.	26.6
%RSD	.03204	.36246	.29535
#1	8709.2	111940.	9019.3
#2	8713.1	111370.	8981.7

Sample Name: CCB Acquired: 11/9/2013 5:22:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00137**	**.00263**	**.00341**	**-.00019**	**.00012**	**.00196**	**.00726**	**.00038**	**-.00008**	**.00009**	**.00032**
Stddev	.00003	.00022	.00094	.00008	.00018	.00011	.00311	.00207	.00010	.00010	.00004	.00012
%RSD	24.532	16.128	35.803	2.4248	92.271	92.835	158.61	28.468	26.782	129.32	50.966	38.667
#1	-.00009	.00153	.00329	.00335	-.00007	.00019	.00416	.00872	.00031	-.00001	.00006	.00023
#2	-.00013	.00121	.00196	.00347	-.00032	.00004	-.00024	.00579	.00045	-.00015	.00012	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.21744**	W **.00333**	**.00077**	**.00000**	**.00054**	W **.10644**	**.00008**	**.00063**	**.00123**	**.01259**	W **.00543**
Stddev	.00124	.02139	.00107	.00104	.00004	.00009	.00676	.00019	.00043	.00051	.00060	.00207
%RSD	41.077	9.8387	32.230	135.42	55273.	17.118	6.3473	253.80	68.387	41.009	4.7306	38.140
#1	.00214	.20232	.00408	.00151	.00003	.00060	.11122	-.00006	.00094	.00159	.01301	.00396
#2	.00389	.23257	.00257	.00003	-.00003	.00047	.10166	.00021	.00033	.00088	.01217	.00689
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261				.09160					.00314
Low Limit			-.00261				-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.00537**	**.01149**	**.00017**	**.00009**	**-.00150**	**.00027**	**.00039**	**.01840**	**-.00027**	W **.00482**	W **.00244**
Stddev	.00068	.00251	.00537	.00004	.00009	.00120	.00019	.00005	.00743	.00046	.00006	.00092
%RSD	43.985	46.795	46.795	20.502	98.720	79.907	70.298	13.194	40.366	169.75	1.2010	37.807
#1	.00203	.00359	.00769	.00015	.00003	-.00235	.00014	.00043	.02365	.00005	.00486	.00310
#2	.00107	.00714	.01529	.00020	.00016	-.00065	.00041	.00036	.01315	-.00060	.00478	.00179
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00453	.00238
Low Limit											-.00453	-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8647.4**	**112810.**	**8844.1**
Stddev	11.7	39.	94.7
%RSD	.13564	.03446	1.0702
#1	8655.7	112840.	8777.2
#2	8639.1	112780.	8911.1

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:24:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.12820**	**.01546**	**.10305**	**.01066**	**.00117**	**.12749**	**.22481**	**.00566**	**.01066**	**.01071**	**.01617**	**.10539**	**3.3052**
Stddev	.00069	.03172	.00223	.00066	.00052	.00018	.00203	.01905	.00005	.00031	.00002	.00039	.00338	.0151
%RSD	6.5975	24.745	14.438	.64108	4.8718	15.299	1.5920	8.4721	.87768	2.8960	.16893	2.4262	3.2049	.45704
#1	.01092	.10577	.01388	.10352	.01103	.00129	.12605	.23827	.00569	.01044	.01070	.01644	.10778	3.2945
#2	.00995	.15063	.01703	.10259	.01029	.00104	.12892	.21134	.00562	.01088	.01072	.01589	.10300	3.3159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01230**	**.20422**	**.01021**	**.02145**	**1.2289**	**.04237**	**3.0257**	**.01103**	**.01957**	**.00877**	**.01779**	**.49205**	**1.0530**	**.10644**
Stddev	.00138	.00157	.00004	.00016	.0853	.00007	.0193	.00071	.01739	.00028	.00197	.00640	.0137	.00013
%RSD	11.180	.76684	.37877	.72472	6.9424	.16446	.63795	6.4541	88.895	3.2012	11.086	1.3006	1.3006	.12141
#1	.01133	.20311	.01023	.02134	1.2892	.04242	3.0394	.01053	.00727	.00858	.01918	.49658	1.0627	.10635
#2	.01328	.20532	.01018	.02156	1.1685	.04232	3.0121	.01154	.03187	.00897	.01640	.48753	1.0433	.10653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.01514**	**.01034**	**.01671**	**.05478**	**.00973**	**.02426**	**.01741**
Stddev	.00025	.00046	.00013	.00102	.04316	.00004	.00036	.00112
%RSD	2.3007	3.0402	1.2270	6.1122	78.785	.43789	1.4731	6.4428
#1	.01087	.01546	.01025	.01598	.02426	.00970	.02401	.01820
#2	.01052	.01481	.01043	.01743	.08530	.00976	.02451	.01661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8786.5**	**114130.**	**8981.8**
Stddev	2.0	704.	87.3
%RSD	.02282	.61707	.97248
#1	8785.1	114630.	9043.6
#2	8787.9	113630.	8920.1

Sample Name: 280-48787-h-1-a Acquired: 11/9/2013 5:26:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00459**	**.00167**	**.13929**	**.15503**	**.00011**	**-.00160**	**18.043**	**.00041**	**-.00016**
Stddev	.00034	.00013	.00181	.00011	.00028	.00006	.00059	.092	.00000	.00005
%RSD	1576.3	2.9102	108.24	.08177	.18116	56.439	37.065	.50744	.32711	33.257
#1	-.00026	.00469	.00295	.13937	.15523	.00016	-.00118	17.978	.00041	-.00019
#2	.00022	.00450	.00039	.13921	.15483	.00007	-.00202	18.108	.00041	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00141**	**.09009**	**4.0873**	**.02151**	**10.103**	**.18048**	**.00471**	**144.20**	**-.00013**
Stddev	.00006	.00030	.00265	.0134	.00069	.006	.00042	.00021	.62	.00006
%RSD	23.371	21.557	2.9431	.32875	3.1863	.06406	.23398	4.4566	.42721	48.213
#1	.00030	.00162	.08822	4.0778	.02199	10.107	.18018	.00456	143.76	-.00017
#2	.00022	.00119	.09197	4.0968	.02102	10.098	.18078	.00486	144.63	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21655**	**-.00010**	**.96164**	**-.00057**	**.00034**	**12.644**	**27.058**	**.00010**	**.16840**	**-.00143**
Stddev	.00024	.00035	.00078	.00049	.00136	.027	.058	.00012	.00016	.00124
%RSD	.10959	358.59	.08128	85.617	404.96	.21320	.21320	113.59	.09794	86.776
#1	.21638	-.00034	.96108	-.00022	.00130	12.625	27.017	.00002	.16829	-.00231
#2	.21672	.00015	.96219	-.00092	-.00063	12.663	27.099	.00018	.16852	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00081**	**.00833**	**-.00041**	**.00366**	**-.00026**
Stddev	.00006	.00138	.02216	.00008	.00017	.00016
%RSD	11.869	171.40	265.93	19.577	4.6473	61.537
#1	.00044	.00017	.02400	-.00046	.00354	-.00015
#2	.00051	-.00179	-.00734	-.00035	.00378	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8555.1**	**109390.**	**9040.7**
Stddev	6.0	104.	71.7
%RSD	.06997	.09525	.79335
#1	8550.9	109320.	9091.4
#2	8559.3	109470.	8990.0

Sample Name: 280-48787-h-2-a Acquired: 11/9/2013 5:29:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00524**	**.00171**	**.14466**	**.15531**	**.00009**	**.00039**	**19.127**	**.00052**	**-.00024**
Stddev	.00000	.00012	.00051	.00005	.00036	.00001	.00041	.040	.00020	.00012
%RSD	10.705	2.3717	29.664	.03190	.23498	5.6855	105.33	.20826	39.013	49.935
#1	-.00004	.00532	.00135	.14469	.15557	.00010	.00010	19.155	.00067	-.00032
#2	-.00004	.00515	.00207	.14462	.15505	.00009	.00068	19.098	.00038	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00119**	**.04268**	**4.7818**	**.02176**	**11.093**	**.16927**	**.00324**	**137.73**	**.00015**
Stddev	.00002	.00033	.00206	.0178	.00054	.013	.00044	.00014	.03	.00000
%RSD	12.237	27.521	4.8245	.37257	2.4987	.11394	.26066	4.4545	.01884	3.1748
#1	.00016	.00142	.04123	4.7944	.02138	11.102	.16959	.00313	137.71	.00015
#2	.00013	.00096	.04414	4.7692	.02215	11.084	.16896	.00334	137.75	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19503**	**.00052**	**2.1401**	**-.00216**	**.00012**	**11.608**	**24.841**	**-.00130**	**.17749**	**-.00215**
Stddev	.00359	.00003	.0121	.00033	.00164	.001	.003	.00068	.00051	.00080
%RSD	1.8408	6.2415	.56420	15.487	1425.6	.01267	.01267	52.701	.28791	36.912
#1	.19249	.00049	2.1315	-.00192	-.00105	11.609	24.843	-.00081	.17785	-.00272
#2	.19757	.00054	2.1486	-.00240	.00128	11.607	24.839	-.00178	.17713	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00107**	**.03541**	**-.00059**	**.00407**	**.00269**
Stddev	.00038	.00103	.00798	.00014	.00010	.00085
%RSD	122.71	95.576	22.544	23.280	2.4843	31.580
#1	.00057	.00180	.02976	-.00049	.00400	.00209
#2	.00004	.00035	.04105	-.00069	.00414	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8593.5**	**109570.**	**9191.3**
Stddev	8.3	15.	50.2
%RSD	.09624	.01385	.54608
#1	8587.7	109580.	9155.8
#2	8599.4	109560.	9226.8

Sample Name: 280-48787-h-3-a Acquired: 11/9/2013 5:31:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00329**	**.00183**	**.14278**	**.15582**	**.00007**	**-.00213**	**19.048**	**.00050**	**-.00044**
Stddev	.00025	.00007	.00190	.00079	.00100	.00000	.00089	.063	.00010	.00009
%RSD	65.903	2.1417	104.01	.55077	.64226	.62867	41.981	.33272	20.250	21.566
#1	-.00020	.00334	.00048	.14334	.15653	.00007	-.00276	19.093	.00043	-.00037
#2	-.00055	.00324	.00318	.14223	.15511	.00007	-.00150	19.003	.00057	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00178**	**.12213**	**4.7616**	**.02225**	**11.011**	**.17323**	**.00313**	**137.09**	**.00006**
Stddev	.00002	.00041	.00148	.0114	.00052	.005	.00037	.00003	.54	.00014
%RSD	8.4446	23.013	1.2096	.23941	2.3206	.04245	.21623	1.0480	.39551	241.53
#1	.00026	.00206	.12317	4.7697	.02189	11.015	.17349	.00311	137.47	-.00004
#2	.00029	.00149	.12108	4.7536	.02262	11.008	.17297	.00316	136.71	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19399**	**.00003**	**2.0333**	**-.00236**	**-.00015**	**11.565**	**24.748**	**-.00033**	**.17664**	**-.00134**
Stddev	.00321	.00141	.0120	.00204	.00252	.045	.097	.00055	.00014	.00086
%RSD	1.6562	5613.1	.58801	86.536	1657.2	.39275	.39275	170.68	.07980	64.301
#1	.19627	.00102	2.0417	-.00092	-.00194	11.533	24.680	.00007	.17654	-.00073
#2	.19172	-.00097	2.0248	-.00381	.00163	11.597	24.817	-.00072	.17674	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00051**	**-.00517**	**-.00040**	**.00444**	**.00236**
Stddev	.00004	.00000	.00954	.00005	.00049	.00064
%RSD	12.115	.88830	184.50	12.712	10.989	27.278
#1	.00038	.00051	-.01191	-.00036	.00479	.00281
#2	.00032	.00051	.00157	-.00043	.00410	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8545.6**	**109590.**	**9113.0**
Stddev	24.2	324.	61.5
%RSD	.28330	.29528	.67525
#1	8562.7	109360.	9069.5
#2	8528.5	109810.	9156.5

Sample Name: 280-48845-g-1-a Acquired: 11/9/2013 5:33:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00515**	**.00178**	**.13089**	**.24577**	**.00011**	**-.00215**	**21.635**	**.00043**	**-.00050**
Stddev	.00011	.00012	.00425	.00011	.00015	.00000	.00154	.045	.00012	.00024
%RSD	580.88	2.2608	238.98	.08533	.06286	1.7355	71.748	.20896	27.364	47.031
#1	.00006	.00507	.00478	.13096	.24588	.00011	-.00324	21.604	.00035	-.00034
#2	-.00009	.00523	-.00123	.13081	.24566	.00011	-.00106	21.667	.00052	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00146**	**.15767**	**4.5917**	**.02346**	**11.353**	**.37503**	**.00264**	**139.82**	**-.00008**
Stddev	.00014	.00014	.00021	.0286	.00342	.021	.00004	.00017	.59	.00017
%RSD	28.357	9.4560	.13123	.62210	14.591	.18267	.01065	6.3351	.42234	217.44
#1	.00038	.00136	.15752	4.5715	.02104	11.368	.37506	.00276	139.41	-.00020
#2	.00057	.00156	.15782	4.6119	.02588	11.339	.37501	.00252	140.24	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21687**	**.00011**	**4.3882**	**-.00239**	**.00040**	**11.646**	**24.922**	**-.00019**	**.19807**	**-.00170**
Stddev	.00281	.00000	.0015	.00201	.00112	.047	.101	.00010	.00007	.00080
%RSD	1.2949	1.8878	.03403	84.034	280.91	.40667	.40667	53.714	.03675	47.178
#1	.21886	.00011	4.3872	-.00381	-.00039	11.612	24.850	-.00012	.19812	-.00113
#2	.21489	.00011	4.3893	-.00097	.00119	11.679	24.993	-.00026	.19802	-.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00051**	**-.00099**	**-.00028**	**.00529**	**.00149**
Stddev	.00012	.00018	.03977	.00018	.00029	.00147
%RSD	40.997	36.368	4036.5	64.073	5.4860	98.618
#1	.00039	.00038	-.02911	-.00015	.00549	.00252
#2	.00021	.00064	.02714	-.00040	.00508	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8555.5**	**109640.**	**9152.1**
Stddev	3.2	421.	8.2
%RSD	.03786	.38368	.08943
#1	8557.8	109340.	9146.3
#2	8553.2	109940.	9157.9

Sample Name: 280-48845-g-2-a Acquired: 11/9/2013 5:35:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00427**	**.00896**	**.12935**	**.05558**	**.00007**	**-.00127**	**47.385**	**.00038**	**-.00007**
Stddev	.00010	.00002	.00140	.00020	.00009	.00003	.00103	.080	.00005	.00014
%RSD	31.294	.41869	15.580	.15802	.15409	45.503	80.969	.16897	12.083	213.45
#1	-.00024	.00428	.00797	.12950	.05552	.00005	-.00200	47.329	.00041	-.00017
#2	-.00037	.00425	.00995	.12921	.05564	.00010	-.00054	47.442	.00034	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00150**	**4.1602**	**8.7441**	**.01773**	**12.176**	**.40369**	**.01595**	**75.300**	**.00189**
Stddev	.00004	.00041	.0125	.0574	.00295	.029	.00031	.00004	.146	.00007
%RSD	6.4721	27.577	.30106	.65644	16.654	.23470	.07691	.26876	.19330	3.6558
#1	.00068	.00179	4.1514	8.7035	.01981	12.196	.40391	.01598	75.197	.00194
#2	.00062	.00121	4.1691	8.7846	.01564	12.156	.40348	.01592	75.403	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6439**	**-.00025**	**1.7476**	**-.00113**	**.00117**	**12.251**	**26.217**	**-.00018**	**.25280**	**-.00069**
Stddev	.0029	.00042	.0055	.00260	.00170	.007	.015	.00042	.00053	.00081
%RSD	.17385	169.38	.31493	230.98	145.90	.05798	.05798	230.04	.20937	117.22
#1	1.6418	-.00055	1.7437	-.00297	.00237	12.246	26.207	.00011	.25243	-.00126
#2	1.6459	.00005	1.7515	.00071	-.00004	12.256	26.228	-.00048	.25318	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00020**	**.05579**	**.02541**	**.01035**	**.00532**
Stddev	.00014	.00098	.01416	.00021	.00037	.00219
%RSD	5.6574	489.41	25.380	.82883	3.5784	41.170
#1	.00256	.00089	.06581	.02526	.01009	.00377
#2	.00237	-.00049	.04578	.02556	.01061	.00687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8669.4**	**111320.**	**9169.9**
Stddev	11.3	52.	41.0
%RSD	.13037	.04688	.44729
#1	8661.4	111280.	9198.9
#2	8677.3	111360.	9140.8

Sample Name: 280-48845-g-3-a Acquired: 11/9/2013 5:38:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00174**	**.00181**	**.00199**	**-.00027**	**.00008**	**.00177**	**.01407**	**.00031**	**-.00001**
Stddev	.00038	.00009	.00124	.00043	.00025	.00008	.00276	.00002	.00017	.00003
%RSD	255.77	5.4260	68.717	21.742	92.582	99.952	156.30	.12158	54.397	243.32
#1	-.00042	.00180	.00268	.00230	-.00009	.00014	.00372	.01406	.00019	.00001
#2	.00012	.00167	.00093	.00169	-.00044	.00002	-.00019	.01408	.00043	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00091**	**.00455**	**.04621**	**-.00034**	**.00302**	**.00012**	**-.00004**	**.07379**	**-.00021**
Stddev	.00001	.00009	.00070	.00832	.00114	.00060	.00005	.00003	.01490	.00015
%RSD	13.699	9.3782	15.485	18.004	334.67	19.919	39.796	89.993	20.191	69.057
#1	.00007	.00085	.00504	.05209	-.00115	.00344	.00009	-.00006	.08432	-.00031
#2	.00006	.00097	.00405	.04033	.00047	.00259	.00016	-.00001	.06325	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**.00080**	**.00685**	**-.00080**	**-.00009**	**.02697**	**.05772**	**-.00083**	**.00006**	**-.00123**
Stddev	.00139	.00012	.00079	.00004	.00003	.00648	.01386	.00005	.00008	.00072
%RSD	81.124	15.249	11.480	4.6329	33.405	24.009	24.009	6.1338	124.37	58.408
#1	.00073	.00072	.00741	-.00083	-.00007	.02239	.04792	-.00080	.00012	-.00173
#2	.00269	.00089	.00629	-.00077	-.00011	.03155	.06752	-.00087	.00001	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00028**	**.03560**	**-.00055**	**.00559**	**.00173**
Stddev	.00011	.00036	.01995	.00039	.00003	.00136
%RSD	140.31	125.44	56.034	71.560	.60380	78.885
#1	.00000	.00003	.04971	-.00027	.00561	.00076
#2	.00015	.00054	.02150	-.00082	.00556	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8949.6**	**116840.**	**9311.0**
Stddev	5.5	165.	25.6
%RSD	.06197	.14087	.27519
#1	8953.5	116720.	9292.9
#2	8945.7	116950.	9329.2

Sample Name: 280-48892-c-1-b Acquired: 11/9/2013 5:40:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.16109**	**.00265**	**.01570**	**.01355**	**.00010**	**.00168**	**55.600**	**.00037**	**.00004**
Stddev	.00018	.00023	.00118	.00005	.00012	.00003	.00093	.107	.00002	.00010
%RSD	422.91	.14189	44.691	.34496	.85763	32.304	55.344	.19305	6.3343	233.71
#1	.00009	.16093	.00181	.01574	.01347	.00008	.00102	55.676	.00038	-.00003
#2	-.00017	.16126	.00349	.01566	.01364	.00012	.00234	55.524	.00035	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00056**	**.18638**	**2.9032**	**.00480**	**7.1232**	**.05529**	**.00038**	**4.1899**	**.00027**
Stddev	.00000	.00028	.00477	.0273	.00282	.0000	.00002	.00023	.0043	.00023
%RSD	1.0189	50.016	2.5599	.93964	58.793	.00009	.03024	62.120	.10371	87.061
#1	.00042	.00036	.18301	2.8839	.00280	7.1232	.05528	.00021	4.1869	.00043
#2	.00042	.00075	.18976	2.9225	.00679	7.1232	.05530	.00054	4.1930	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52358**	**.00106**	**2.5995**	**-.00081**	**-.00109**	**3.6895**	**7.8955**	**-.00055**	**.08585**	**-.00088**
Stddev	.00177	.00059	.0073	.00091	.00099	.0150	.0322	.00009	.00016	.00011
%RSD	.33780	55.312	.28109	112.01	90.434	.40739	.40739	16.820	.18067	12.646
#1	.52233	.00064	2.5943	-.00017	-.00039	3.6789	7.8728	-.00048	.08596	-.00096
#2	.52483	.00147	2.6047	-.00145	-.00179	3.7001	7.9183	-.00061	.08574	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**.00013**	**.02419**	**.00044**	**.00457**	**.00256**
Stddev	.00019	.00039	.03014	.00005	.00007	.00078
%RSD	5.1774	299.57	124.56	10.315	1.6378	30.386
#1	.00348	-.00015	.00288	.00047	.00462	.00311
#2	.00374	.00041	.04550	.00041	.00451	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8677.9**	**112050.**	**9112.1**
Stddev	31.5	189.	6.3
%RSD	.36305	.16883	.06963
#1	8700.2	112180.	9116.6
#2	8655.6	111910.	9107.6

Sample Name: 280-48892-c-2-b Acquired: 11/9/2013 5:42:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.14760**	**.00138**	**.01979**	**.01890**	**.00013**	**.00156**	**76.302**	**.00046**	**.00006**
Stddev	.00074	.00151	.00007	.00014	.00000	.00002	.00024	.037	.00006	.00004
%RSD	1743.1	1.0205	5.1937	.72917	.02629	16.447	15.697	.04884	12.480	75.941
#1	.00048	.14866	.00133	.01989	.01890	.00011	.00138	76.275	.00051	.00003
#2	-.00056	.14653	.00143	.01969	.01890	.00014	.00173	76.328	.00042	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00120**	**.13910**	**4.6202**	**.00434**	**8.5408**	**.04018**	**.00027**	**6.6983**	**.00033**
Stddev	.00008	.00008	.00225	.0214	.00105	.0681	.00016	.00039	.0037	.00049
%RSD	24.791	7.0006	1.6191	.46364	24.208	.79773	.40901	145.92	.05445	148.47
#1	.00026	.00126	.14070	4.6353	.00360	8.5889	.04029	.00054	6.6957	.00068
#2	.00036	.00114	.13751	4.6050	.00508	8.4926	.04006	-.00001	6.7009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66535**	**.00097**	**4.4086**	**-.00192**	**.00008**	**4.1479**	**8.8765**	**-.00033**	**.11517**	**.00083**
Stddev	.00221	.00042	.0065	.00029	.00087	.0490	.1048	.00055	.00018	.00146
%RSD	.33195	42.985	.14675	15.255	1074.9	1.1804	1.1804	166.14	.15744	175.79
#1	.66691	.00067	4.4132	-.00213	-.00053	4.1133	8.8025	-.00072	.11505	.00186
#2	.66378	.00126	4.4040	-.00172	.00070	4.1825	8.9506	.00006	.11530	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**.00112**	**.00956**	**.00045**	**.00433**	**.00355**
Stddev	.00014	.00102	.04705	.00013	.00011	.00165
%RSD	4.3951	90.949	491.98	27.724	2.5304	46.408
#1	.00312	.00184	-.02371	.00036	.00441	.00472
#2	.00332	.00040	.04283	.00054	.00425	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8554.9**	**109830.**	**8968.7**
Stddev	31.9	828.	60.8
%RSD	.37256	.75386	.67807
#1	8532.4	109250.	8925.7
#2	8577.4	110420.	9011.7

Sample Name: CCVH-2357613 Acquired: 11/9/2013 5:45:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00449**	**50.540**	**.00211**	**.00522**	**-.00033**	**.00012**	W **1.0525**	**.01388**	**.00007**	**-.00077**	**-.00014**	**.00932**
Stddev	.00041	.076	.00204	.00044	.00027	.00011	.0090	.00091	.00019	.00010	.00010	.00026
%RSD	9.1246	.15054	96.618	8.3501	81.284	92.098	.85700	6.5371	267.60	13.121	68.041	2.7560
#1	.00420	50.486	.00067	.00553	-.00014	.00004	1.0588	.01452	.00020	-.00070	-.00021	.00950
#2	.00478	50.594	.00355	.00491	-.00051	.00021	1.0461	.01324	-.00006	-.00085	-.00007	.00914
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.816**	**.09425**	**.00171**	**.07747**	**.00037**	**-.00005**	**266.18**	**-.00024**	**.00028**	**.00243**	**5.0688**	**.00161**
Stddev	.160	.01572	.00233	.00186	.00008	.00000	.67	.00047	.00006	.00112	.0520	.00239
%RSD	.32876	16.680	135.98	2.3974	20.800	3.8757	.25049	199.89	22.072	46.082	1.0264	148.17
#1	48.702	.10536	.00336	.07615	.00043	-.00005	265.71	-.00057	.00024	.00164	5.1056	-.00008
#2	48.929	.08313	.00007	.07878	.00032	-.00005	266.66	.00010	.00033	.00323	5.0320	.00330
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.02320**	**.04964**	**.00017**	**.00034**	**4.8083**	**-.00672**	**-.00014**	**10.047**	**.00045**	**.00228**	**.02896**
Stddev	.00182	.01258	.02691	.00007	.00008	.0122	.00006	.00025	.079	.00032	.00000	.00160
%RSD	905.07	54.213	54.213	41.697	23.745	.25435	.84374	172.85	.78952	71.771	.13846	5.5359
#1	.00109	.03209	.06868	.00012	.00029	4.7996	-.00676	-.00032	9.9906	.00068	.00228	.03010
#2	-.00149	.01431	.03061	.00022	.00040	4.8169	-.00668	.00003	10.103	.00022	.00227	.02783
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8419.3**	**106060.**	**8713.0**
Stddev	8.7	549.	72.7
%RSD	.10376	.51737	.83434
#1	8425.5	105670.	8764.4
#2	8413.1	106450.	8661.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 5:47:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50696**	**.50178**	**1.0218**	**.51592**	**.50849**	**.49698**	**.00201**	**5.0344**	**.51033**	**.50576**	**.50731**	**.51642**	**2.3737**
Stddev	.00000	.00169	.0005	.00207	.00089	.00063	.00157	.0044	.00193	.00170	.00144	.00198	.0127
%RSD	.00090	.33744	.04909	.40130	.17456	.12578	78.124	.08700	.37874	.33545	.28421	.38403	.53330
#1	.50696	.50058	1.0214	.51445	.50786	.49653	.00312	5.0313	.50896	.50456	.50629	.51502	2.3647
#2	.50696	.50297	1.0221	.51738	.50912	.49742	.00090	5.0375	.51170	.50696	.50833	.51782	2.3826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.353**	**1.0078**	**19.888**	**.49872**	**.51930**	**5.3309**	**.51300**	**1.0317**	**1.0387**	**-.00201**	**1.0280**	**1.0280**	**4.9063**
Stddev	.100	.0007	.011	.00043	.00288	.0103	.00058	.0034	.0043	.00100	.0033	.0027	.0107
%RSD	.19053	.06568	.05726	.08582	.55367	.19316	.11355	.33166	.41153	49.615	.32151	.26744	.21778
#1	52.283	1.0074	19.896	.49841	.52134	5.3236	.51259	1.0341	1.0418	-.00272	1.0256	1.0300	4.8987
#2	52.424	1.0083	19.880	.49902	.51727	5.3382	.51341	1.0293	1.0357	-.00131	1.0303	1.0261	4.9138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.499**	**1.0310**	**.50586**	**-.00451**	**.49965**	**1.0262**	**.01771**	**.50771**	**.50457**	**.50144**
Stddev	.023	.0041	.00027	.00018	.00018	.0007	.00491	.00096	.00153	.00163
%RSD	.21778	.39883	.05426	4.0678	.03633	.06906	27.693	.18893	.30415	.32481
#1	10.483	1.0339	.50567	-.00464	.49952	1.0257	.01424	.50703	.50565	.50029
#2	10.516	1.0281	.50606	-.00439	.49978	1.0267	.02118	.50839	.50348	.50260
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8627.8**	**109560.**	**8819.9**
Stddev	19.8	164.	42.2
%RSD	.22931	.14998	.47825
#1	8641.8	109450.	8849.8
#2	8613.8	109680.	8790.1

Sample Name: CCB Acquired: 11/9/2013 5:49:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00088**	**.00076**	**.00125**	**-.00017**	**.00012**	**.00146**	**-.00127**	**.00036**	**-.00012**	**.00005**	**.00001**
Stddev	.00035	.00018	.00279	.00034	.00028	.00002	.00021	.00094	.00022	.00011	.00006	.00022
%RSD	96.132	20.637	368.88	27.489	164.23	16.543	14.380	74.315	61.800	88.968	118.00	2353.4
#1	.00012	.00075	.00273	.00100	-.00036	.00011	.00131	-.00060	.00020	-.00005	.00010	-.00015
#2	.00061	.00101	-.00122	.00149	.00003	.00014	.00161	-.00193	.00052	-.00020	.00001	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.10549**	**.00201**	**.00234**	**.00004**	**.00059**	**.03163**	**.00000**	**.00139**	**.00083**	**.00355**	W **.00534**
Stddev	.00201	.01551	.00145	.00255	.00001	.00015	.00803	.00022	.00090	.00049	.00097	.00035
%RSD	55.954	14.699	71.881	109.05	14.691	26.012	25.378	10404.	64.777	58.552	27.332	6.5715
#1	.00217	.11646	.00304	.00054	.00005	.00048	.03731	.00016	.00203	.00118	.00286	.00559
#2	.00502	.09453	.00099	.00414	.00004	.00070	.02596	-.00016	.00075	.00049	.00423	.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.01917**	**.04102**	**-.00021**	**-.00001**	**-.00083**	**.00020**	**-.00040**	**.04666**	**.00016**	W **.00481**	**.00012**
Stddev	.00095	.00035	.00075	.00061	.00008	.00157	.00038	.00055	.01313	.00033	.00009	.00004
%RSD	40.259	1.8377	1.8377	293.82	1556.6	189.92	189.81	137.13	28.149	205.34	1.8058	33.513
#1	.00169	.01942	.04155	-.00064	.00005	.00028	.00047	-.00079	.03737	-.00007	.00474	.00009
#2	.00304	.01892	.04049	.00022	-.00006	-.00194	-.00007	-.00001	.05594	.00040	.00487	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8579.1**	**111270.**	**8681.1**
Stddev	9.0	196.	50.8
%RSD	.10483	.17575	.58520
#1	8572.7	111410.	8717.0
#2	8585.4	111140.	8645.2

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:51:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.10627**	**.01507**	**.10263**	**.01061**	**.00113**	**.12848**	**.21649**	**.00566**	**.01047**	**.01079**	**.01634**	**.10004**
Stddev	.00104	.00015	.00072	.00021	.00028	.00014	.00213	.00024	.00008	.00009	.00009	.00005	.00068
%RSD	10.130	.14152	4.7952	.20258	2.6257	12.391	1.6592	.10858	1.3759	.82133	.85505	.32910	.68433
#1	.00952	.10638	.01558	.10278	.01041	.00123	.12999	.21632	.00572	.01041	.01085	.01638	.10052
#2	.01099	.10617	.01456	.10248	.01080	.00103	.12697	.21665	.00561	.01053	.01072	.01631	.09956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3020**	**.01114**	**.20800**	**.01033**	**.02107**	**1.1341**	**.04284**	**3.0504**	**.01071**	**.00355**	**.00961**	**.01585**	**.51539**
Stddev	.0396	.00054	.00389	.00004	.00002	.0035	.00095	.0263	.00087	.00139	.00160	.00135	.00173
%RSD	1.1981	4.8559	1.8699	.39270	.11399	.30506	2.2142	.86329	8.1109	39.078	16.662	8.5328	.33569
#1	3.2740	.01152	.20525	.01030	.02109	1.1316	.04351	3.0691	.01009	.00453	.01075	.01489	.51416
#2	3.3300	.01075	.21075	.01036	.02106	1.1365	.04217	3.0318	.01132	.00257	.00848	.01681	.51661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1029**	**.10723**	**.01056**	**.01487**	**.01010**	**.01665**	F **.08627**	**.00996**	**.02550**	**.01793**
Stddev	.0037	.00106	.00002	.00090	.00006	.00025	.05036	.00047	.00001	.00129
%RSD	.33569	.99011	.19964	6.0601	.56885	1.4744	58.372	4.7590	.02765	7.1876
#1	1.1003	.10798	.01057	.01550	.01006	.01648	.05066	.00963	.02551	.01884
#2	1.1055	.10648	.01054	.01423	.01014	.01682	.12188	.01030	.02550	.01702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8731.9**	**112990.**	**8894.7**
Stddev	22.0	51.	5.9
%RSD	.25189	.04521	.06633
#1	8747.5	113030.	8898.9
#2	8716.4	112950.	8890.5

Sample Name: ICIS Acquired: 11/11/2013 15:24:47 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00195**	**.00154**	**-.01478**	**-.00013**	**.00087**	**.00855**	**-.00040**	**-.00098**	**.00624**	**-.00030**	**-.00031**	**-.00021**	**.00362**
Stddev	.00011	.00024	.00020	.00003	.00007	.00118	.00091	.00021	.00037	.00026	.00023	.00001	.00001
%RSD	5.6870	15.676	1.3789	26.754	8.1769	13.753	229.61	21.086	5.9301	88.910	73.797	4.6993	.40248
#1	-.00203	.00137	-.01492	-.00011	.00082	.00772	-.00104	-.00083	.00598	-.00048	-.00047	-.00022	.00363
#2	-.00187	.00171	-.01463	-.00015	.00092	.00938	.00025	-.00112	.00650	-.00011	-.00015	-.00020	.00361

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00076**	**-.00105**	**.00295**	**-.00882**	**-.00001**	**.00001**	**.00015**	**.01775**	**-.01391**	**-.00084**	**.00013**	**.00023**	**-.00043**
Stddev	.00011	.00057	.00044	.00042	.00000	.00000	.00002	.00097	.00024	.00006	.00008	.00003	.00011
%RSD	14.132	54.253	14.781	4.7738	35.184	20.382	11.304	5.4580	1.7283	7.4916	60.175	13.157	25.429
#1	.00069	-.00146	.00326	-.00912	-.00001	.00001	.00013	.01843	-.01408	-.00079	.00007	.00025	-.00035
#2	.00084	-.00065	.00265	-.00852	-.00001	.00002	.00016	.01706	-.01374	-.00088	.00018	.00021	-.00050

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00053**	**.00015**	**.00017**	**.00017**	**.00010**	**-.00241**	**-.00070**	**-.00022**	**-.00030**	**-.00024**	**.00029**	**.00003**	**-.00319**
Stddev	.00005	.00008	.00067	.00067	.00005	.00074	.00003	.00004	.00005	.00000	.00006	.00001	.00068
%RSD	8.8368	51.959	391.82	391.82	45.578	30.463	3.7610	16.903	15.299	1.6854	21.097	16.038	21.387
#1	.00050	.00009	-.00030	-.00030	.00007	-.00189	-.00068	-.00020	-.00033	-.00024	.00025	.00003	-.00271
#2	.00056	.00020	.00065	.00065	.00014	-.00293	-.00072	-.00025	-.00027	-.00025	.00034	.00004	-.00367

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7988.0**	**108580.**	**6609.8**
Stddev	35.6	208.	36.7
%RSD	.44510	.19154	.55580
#1	7962.9	108730.	6635.8
#2	8013.2	108430.	6583.8

Sample Name: ICAL1 Acquired: 11/11/2013 15:27:06 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.19482**	**.23179**	**.09589**	**.27241**	**4.5785**	**6.7042**	**2.0197**	**1.4850**	**.86027**	**.94864**	**.29726**	**.66695**	**5.2031**	**1.9500**
Stddev	.00036	.00117	.00050	.00184	.0120	.0251	.0096	.0118	.00605	.00767	.00014	.00530	.0133	.0023
%RSD	.18428	.50668	.52143	.67469	.26244	.37471	.47354	.79171	.70305	.80893	.04863	.79398	.25555	.11588
#1	.19507	.23262	.09624	.27371	4.5700	6.6864	2.0129	1.4933	.86455	.95407	.29716	.66321	5.1937	1.9484
#2	.19456	.23096	.09553	.27111	4.5870	6.7220	2.0265	1.4766	.85599	.94322	.29736	.67069	5.2125	1.9516

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.91324**	**1.1587**	**.48681**	**1.6359**	**.66685**	**.11274**	**.49444**	**.16848**	**.09353**	**.32507**	**.32507**	**.23417**	**8.7861**	**.27645**
Stddev	.00131	.0006	.00413	.0104	.00448	.00040	.00350	.00195	.00083	.00129	.00129	.00177	.0040	.00102
%RSD	.14359	.04765	.84752	.63318	.67175	.35561	.70857	1.1587	.89046	.39564	.39564	.75542	.04547	.36890
#1	.91417	1.1583	.48973	1.6285	.67002	.11302	.49691	.16986	.09412	.32416	.32416	.23543	8.7833	.27573
#2	.91231	1.1591	.48389	1.6432	.66368	.11245	.49196	.16710	.09294	.32598	.32598	.23292	8.7889	.27717

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17557**	**.20175**	**.02848**	**.32094**
Stddev	.00102	.00008	.00001	.00282
%RSD	.58264	.03831	.02221	.87934
#1	.17629	.20181	.02848	.31894
#2	.17484	.20170	.02847	.32293

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7947.2**	**105600.**	**6651.2**
Stddev	29.4	263.	65.3
%RSD	.36966	.24890	.98123
#1	7926.4	105410.	6697.3
#2	7968.0	105780.	6605.0

Sample Name: ICAL2 Acquired: 11/11/2013 15:29:17 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.6649**	**.19451**	**.60751**	**3.1609**	**.29335**	**.43560**	**.09237**
Stddev	.0060	.00010	.00298	.0076	.00049	.00088	.00013
%RSD	.16375	.05364	.49111	.24085	.16702	.20219	.14277
#1	3.6691	.19443	.60962	3.1663	.29300	.43623	.09227
#2	3.6606	.19458	.60540	3.1555	.29369	.43498	.09246

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7630.4**	**101490.**	**6594.7**
Stddev	6.3	39.	66.4
%RSD	.08204	.03795	1.0066
#1	7626.0	101460.	6547.7
#2	7634.9	101520.	6641.6

Sample Name: S1-2372886 Acquired: 11/11/2013 15:31:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0091**	**1.0124**	**2.0027**	**1.0023**	**1.0117**	**1.0121**	**-.00387**	**10.110**	**1.0049**	**1.0057**	**1.0017**	**1.0107**	**5.0692**
Stddev	.0036	.0048	.0042	.0014	.0032	.0004	.00139	.001	.0002	.0009	.0007	.0013	.0028
%RSD	.35777	.47036	.20750	.14435	.32167	.03758	35.964	.01273	.01780	.09312	.06833	.12840	.05439
#1	1.0065	1.0090	2.0056	1.0033	1.0093	1.0118	-.00485	10.109	1.0050	1.0064	1.0012	1.0098	5.0711
#2	1.0116	1.0158	1.9997	1.0013	1.0140	1.0123	-.00288	10.110	1.0048	1.0051	1.0022	1.0116	5.0672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.15**	**2.0219**	**40.058**	**1.0065**	**.99782**	**10.298**	F **10.998**	**1.0027**	**2.0047**	**2.0017**	**-.00832**	**2.0134**	**1.9951**
Stddev	.03	.0016	.054	.0021	.00092	.044	.177	.0006	.0078	.0064	.00070	.0001	.0029
%RSD	.02941	.08015	.13386	.21220	.09200	.43190	1.6115	.05848	.39102	.32042	8.3753	.00405	.14628
#1	101.13	2.0207	40.096	1.0080	.99847	10.329	11.123	1.0032	1.9991	1.9972	-.00783	2.0134	1.9971
#2	101.17	2.0230	40.020	1.0050	.99717	10.266	10.872	1.0023	2.0102	2.0062	-.00882	2.0135	1.9930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							10.000						
Range							5.0000%						

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.033**	**21.470**	**2.0041**	**1.0114**	**-.01100**	**1.0096**	**2.0067**	**-.01196**	**1.0054**	**1.0017**	**1.0166**
Stddev	.032	.068	.0012	.0021	.00040	.0019	.0034	.01947	.0013	.0040	.0001
%RSD	.31680	.31680	.05765	.21081	3.6326	.19196	.17057	162.84	.12437	.39690	.01454
#1	10.010	21.422	2.0049	1.0099	-.01128	1.0109	2.0092	.00181	1.0063	1.0045	1.0167
#2	10.055	21.518	2.0033	1.0129	-.01071	1.0082	2.0043	-.02573	1.0045	.99889	1.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7939.3**	**105870.**	**6638.9**
Stddev	39.8	570.	1.8
%RSD	.50121	.53852	.02692
#1	7967.5	105470.	6640.2
#2	7911.2	106280.	6637.7

Sample Name: S2-2372887 Acquired: 11/11/2013 15:33:49 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01453	104.13	.00180	.00202	.00008	-.00005	2.0773	.03604	-.00024	-.00061	.00009	.01936	102.79
Stddev	.00015	.13	.00310	.00002	.00002	.00003	.0026	.00326	.00005	.00006	.00001	.00013	.23
%RSD	1.0059	.12057	171.93	1.1386	28.251	49.820	.12590	9.0449	20.985	10.203	16.836	.65160	.22204
#1	.01443	104.04	.00399	.00204	.00006	-.00003	2.0792	.03374	-.00020	-.00056	.00008	.01927	102.63
#2	.01464	104.21	-.00039	.00200	.00009	-.00007	2.0755	.03835	-.00027	-.00065	.00010	.01944	102.95
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19726	.00068	.16742	.00137	.00030	515.67	-.00078	.00004	.00189	10.431	.01446	-.00082	.02587
Stddev	.00826	.00115	.00311	.00004	.00060	.50	.00015	.00170	.00147	.014	.00776	.00029	.00310
%RSD	4.1887	168.97	1.8557	2.8302	201.66	.09651	18.671	4268.0	77.546	.13803	53.652	35.596	11.967
#1	.20310	-.00013	.16522	.00135	-.00013	515.32	-.00088	.00124	.00293	10.441	.00898	-.00061	.02806
#2	.19142	.00149	.16961	.00140	.00072	516.02	-.00068	-.00116	.00085	10.421	.01995	-.00102	.02368
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05536	.00061	.00057	10.316	-.02342	.00187	F 10.168	.00182	-.00031	.10070
Stddev	.00663	.00024	.00004	.002	.00026	.00000	.091	.00049	.00012	.00595
%RSD	11.967	39.355	6.9709	.01537	1.1174	.24457	.89480	26.741	39.434	5.9056
#1	.06005	.00044	.00060	10.317	-.02360	.00187	10.103	.00147	-.00040	.09649
#2	.05068	.00078	.00054	10.314	-.02323	.00186	10.232	.00216	-.00023	.10490
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							20.000			
Range							-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7662.8	100520.	6506.2
Stddev	13.8	161.	48.3
%RSD	.17962	.15993	.74293
#1	7653.1	100630.	6472.0
#2	7672.5	100410.	6540.3

Sample Name: ICVH-2348911 Acquired: 11/11/2013 15:37:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**40.760**	**.00136**	**.00090**	**.00259**	**-.00003**	W **.52861**	**.01383**	**-.00018**	**.00054**	**.00050**	**.00793**
Stddev	.00004	.075	.00050	.00001	.00040	.00006	.00064	.00576	.00010	.00004	.00023	.00065
%RSD	.81473	.18523	36.977	.64698	15.574	223.42	.12179	41.661	55.965	7.9328	45.071	8.1833
#1	.00428	40.814	.00171	.00090	.00287	.00002	.52906	.00975	-.00025	.00051	.00034	.00747
#2	.00433	40.707	.00100	.00089	.00230	-.00007	.52815	.01790	-.00011	.00057	.00066	.00839
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.998**	**.02661**	**.00131**	**.05833**	**.00053**	**-.00015**	**41.843**	**.00080**	**-.00247**	**.00112**	**3.8775**	**.00144**
Stddev	.113	.06427	.00076	.00217	.00012	.00003	.086	.00022	.00121	.00020	.0088	.00225
%RSD	.13994	241.52	58.031	3.7262	23.606	18.170	.20491	28.066	48.807	18.200	.22577	156.83
#1	81.079	-.01884	.00077	.05987	.00061	-.00016	41.904	.00096	-.00333	.00127	3.8713	-.00016
#2	80.918	.07206	.00185	.05679	.00044	-.00013	41.783	.00064	-.00162	.00098	3.8837	.00303
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.01021**	**.02184**	**.00069**	**.00025**	**3.0117**	**-.00767**	**.00062**	**5.1609**	**.00065**	**.00140**	**.03122**
Stddev	.00239	.02152	.04606	.00089	.00017	.0010	.00007	.00014	.0069	.00024	.00030	.00226
%RSD	112.32	210.86	210.86	129.50	66.427	.03411	.91303	22.112	.13436	37.727	21.549	7.2474
#1	-.00382	.02543	.05441	.00132	.00013	3.0109	-.00762	.00072	5.1658	.00082	.00119	.02962
#2	-.00044	-.00501	-.01072	.00006	.00037	3.0124	-.00772	.00053	5.1560	.00048	.00162	.03282
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.2**	**105300.**	**6586.5**
Stddev	3.7	415.	30.7
%RSD	.04558	.39427	.46654
#1	8060.6	105010.	6564.7
#2	8065.8	105590.	6608.2

Sample Name: ICV-2364198 Acquired: 11/11/2013 15:42:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25330**	**.25547**	**.25120**	**.25571**	**.25038**	**.24320**	**.00122**	**2.0215**	**.25176**	**.25382**	**.25210**	**.25183**	**.25106**
Stddev	.00038	.00050	.00096	.00029	.00178	.00106	.00053	.0112	.00127	.00026	.00018	.00235	.00053
%RSD	.14859	.19686	.38062	.11411	.71045	.43742	43.359	.55198	.50436	.10308	.07200	.93506	.21030
#1	.25357	.25583	.25187	.25551	.25164	.24395	.00085	2.0294	.25086	.25364	.25197	.25016	.25068
#2	.25304	.25512	.25052	.25592	.24912	.24244	.00160	2.0136	.25265	.25401	.25223	.25349	.25143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.015**	**.24923**	**10.010**	**.25125**	**.24705**	**2.0373**	**.25494**	**1.9596**	**.25470**	**-.00700**	**.24859**	**.50739**	**1.9933**
Stddev	.004	.00343	.031	.00090	.00014	.0034	.00047	.0000	.00063	.00170	.00068	.00203	.0209
%RSD	.01776	1.3770	.30730	.35983	.05644	.16632	.18587	.00092	.24739	24.368	.27549	.40102	1.0461
#1	20.018	.25166	9.9879	.25061	.24695	2.0397	.25461	1.9596	.25514	-.00579	.24810	.50883	2.0081
#2	20.013	.24681	10.031	.25188	.24715	2.0349	.25528	1.9596	.25425	-.00820	.24907	.50595	1.9786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2658**	**.50380**	**.24814**	**-.00226**	**.24625**	**.52275**	**-.00331**	**.24545**	**.24968**	**.24753**
Stddev	.0446	.00179	.00157	.00041	.00035	.00270	.05386	.00010	.00046	.00185
%RSD	1.0461	.35467	.63303	18.309	.14311	.51695	1626.7	.03970	.18267	.74539
#1	4.2973	.50253	.24925	-.00197	.24601	.52084	-.04140	.24538	.24936	.24884
#2	4.2342	.50506	.24703	-.00255	.24650	.52466	.03478	.24552	.25001	.24623
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8107.4**	**107600.**	**6604.8**
Stddev	5.7	97.	14.9
%RSD	.07069	.08983	.22583
#1	8111.4	107530.	6594.2
#2	8103.3	107670.	6615.3

Sample Name: ICVL2372865 Acquired: 11/11/2013 15:45:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.10692**	**.01643**	**.09874**	**.01056**	**.00103**	**.12290**	**.22283**	**.00527**	**.01097**	**.01067**	**.01612**	**.10838**
Stddev	.00018	.00020	.00020	.00074	.00019	.00013	.00014	.00366	.00005	.00021	.00013	.00004	.00239
%RSD	1.6875	.18558	1.2228	.75123	1.8092	12.309	.11358	1.6415	.85562	1.9399	1.2392	.22157	2.2071
#1	.01073	.10706	.01629	.09821	.01069	.00112	.12280	.22542	.00530	.01082	.01058	.01614	.10669
#2	.01047	.10678	.01657	.09926	.01042	.00094	.12300	.22025	.00523	.01112	.01076	.01609	.11008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1796**	**.01024**	**.21664**	**.01087**	**.02072**	**1.1041**	**.04352**	**2.9678**	**.01073**	**-.00180**	**.01037**	**.01646**	**.52119**
Stddev	.0772	.00021	.00038	.00002	.00004	.0288	.00042	.0058	.00121	.00068	.00009	.00115	.00728
%RSD	2.4276	2.0849	.17731	.22290	.18868	2.6115	.95685	.19465	11.300	37.953	.86593	7.0133	1.3972
#1	3.2342	.01008	.21691	.01089	.02075	1.1245	.04323	2.9638	.01158	-.00229	.01030	.01728	.52634
#2	3.1250	.01039	.21637	.01085	.02070	1.0837	.04382	2.9719	.00987	-.00132	.01043	.01565	.51605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1154**	**.10552**	**.01056**	**.01542**	**.00987**	**.01769**	F **.09575**	**.01054**	**.02307**	**.01727**
Stddev	.0156	.00087	.00027	.00117	.00047	.00039	.01843	.00031	.00064	.00143
%RSD	1.3972	.82344	2.5877	7.5917	4.7141	2.1977	19.248	2.9687	2.7652	8.2895
#1	1.1264	.10614	.01076	.01625	.00954	.01797	.10878	.01032	.02352	.01828
#2	1.1043	.10491	.01037	.01459	.01020	.01742	.08272	.01076	.02262	.01626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8114.5**	**108380.**	**6577.7**
Stddev	9.0	132.	85.5
%RSD	.11049	.12170	1.2994
#1	8120.9	108280.	6517.3
#2	8108.2	108470.	6638.2

Sample Name: CCVH-2372891 Acquired: 11/11/2013 15:49:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**51.479**	**.00018**	**.00072**	**.00048**	**-.00006**	**1.0344**	**.01529**	**-.00014**	**-.00034**	**.00003**	**.01057**	**51.107**
Stddev	.00019	.184	.00237	.00021	.00029	.00009	.0003	.00081	.00007	.00007	.00017	.00054	.629
%RSD	2.7034	.35714	1341.1	29.742	59.898	162.63	.02809	5.3076	52.279	18.997	632.20	5.0896	1.2316
#1	.00707	51.349	.00185	.00057	.00068	.00001	1.0342	.01587	-.00019	-.00039	.00014	.01095	50.662
#2	.00734	51.609	-.00150	.00087	.00028	-.00012	1.0346	.01472	-.00009	-.00030	-.00009	.01018	51.552
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00165**	**.08148**	**.00063**	**-.00025**	**255.55**	**-.00037**	**-.00256**	**.00042**	**5.0772**	**.00156**	**-.00372**	**.02748**
Stddev	.04123	.00083	.00285	.00007	.00010	2.09	.00009	.00085	.00084	.0047	.00026	.00431	.00268
%RSD	16174.	50.530	3.4999	11.378	38.782	.81666	22.930	33.279	199.46	.09301	16.399	115.78	9.7714
#1	-.02941	-.00224	.08349	.00068	-.00018	254.07	-.00031	-.00195	-.00017	5.0805	.00175	-.00067	.02938
#2	.02890	-.00106	.07946	.00058	-.00031	257.02	-.00043	-.00316	.00101	5.0738	.00138	-.00677	.02558
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05880**	**.00041**	**.00016**	**5.0290**	**-.01210**	**.00145**	F **6.1853**	**.00132**	**.00036**	**.05357**
Stddev	.00575	.00045	.00006	.0108	.00006	.00127	.0149	.00040	.00015	.00139
%RSD	9.7714	110.32	39.286	.21484	.52775	87.959	.24110	29.981	42.081	2.5917
#1	.06286	.00009	.00020	5.0366	-.01206	.00055	6.1958	.00160	.00046	.05259
#2	.05474	.00073	.00011	5.0213	-.01215	.00235	6.1747	.00104	.00025	.05456
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7875.8**	**102720.**	**6551.5**
Stddev	38.8	158.	109.3
%RSD	.49303	.15425	1.6677
#1	7848.3	102610.	6628.8
#2	7903.2	102830.	6474.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 15:52:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49807**	**.51038**	**.99054**	**.49423**	**.49990**	**.49628**	**-.00098**	**5.0614**	**.49801**	**.50559**	**.50059**	**.50091**	**2.5049**
Stddev	.00078	.00143	.00087	.00102	.00225	.00034	.00137	.0200	.00092	.00082	.00049	.00001	.0030
%RSD	.15590	.27945	.08794	.20645	.44956	.06759	139.80	.39460	.18387	.16204	.09818	.00286	.11816
#1	.49862	.51139	.98993	.49351	.49831	.49604	-.00195	5.0473	.49737	.50617	.50094	.50092	2.5028
#2	.49752	.50937	.99116	.49495	.50149	.49651	-.00001	5.0755	.49866	.50501	.50025	.50090	2.5070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.789**	**.99586**	**19.824**	**.50181**	**.50096**	**5.1325**	**.50767**	**.97829**	**1.0210**	**-.00443**	**.99560**	**.98872**	**4.9558**
Stddev	.093	.00189	.014	.00041	.00470	.0278	.00263	.00963	.0067	.00153	.00077	.00634	.0314
%RSD	.18732	.19018	.07065	.08192	.93862	.54118	.51749	.98412	.65221	34.413	.07784	.64103	.63272
#1	49.723	.99452	19.814	.50210	.50429	5.1521	.50953	.98510	1.0257	-.00335	.99506	.99320	4.9336
#2	49.855	.99720	19.834	.50152	.49764	5.1129	.50581	.97148	1.0163	-.00551	.99615	.98423	4.9780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.605**	**1.0037**	**.49834**	**-.00429**	**.49926**	**1.0243**	**-.01645**	**.49757**	**.49887**	**.49657**
Stddev	.067	.0019	.00008	.00243	.00026	.0001	.06906	.00087	.00110	.00082
%RSD	.63272	.18728	.01569	56.754	.05304	.00843	419.78	.17387	.22024	.16548
#1	10.558	1.0050	.49839	-.00257	.49908	1.0243	-.06528	.49696	.49810	.49715
#2	10.653	1.0024	.49828	-.00601	.49945	1.0242	.03238	.49818	.49965	.49599
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8004.7**	**106790.**	**6582.8**
Stddev	6.9	366.	62.2
%RSD	.08634	.34259	.94494
#1	7999.8	107050.	6538.8
#2	8009.6	106530.	6626.7

Sample Name: X Acquired: 11/11/2013 15:54:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00102**	**.00226**	**-.00006**	**.00006**	**.00011**	**.00036**	**.00534**	**.00013**	**.00026**	**.00013**	**-.00018**	**.00067**
Stddev	.00058	.00262	.00059	.00047	.00012	.00007	.00125	.00161	.00011	.00032	.00013	.00016	.00298
%RSD	234.14	256.20	26.241	789.88	187.74	66.597	346.23	30.171	81.932	121.18	96.658	85.733	443.55
#1	.00066	.00083	.00184	.00027	.00014	.00016	-.00052	.00420	.00005	.00048	.00022	-.00030	.00278
#2	-.00016	-.00288	.00268	-.00039	-.00002	.00006	.00124	.00647	.00020	.00004	.00004	-.00007	-.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03483**	**-.00139**	**.00093**	**.00009**	**.00037**	**.04489**	**.00001**	**-.00392**	**.00111**	**-.00205**	F **.00977**	**.00042**	**.00608**
Stddev	.03117	.00273	.00125	.00007	.00004	.01024	.00034	.00099	.00010	.00149	.00426	.00327	.02658
%RSD	89.485	196.60	134.65	82.475	11.851	22.804	2428.2	25.308	9.1777	72.628	43.616	772.23	437.49
#1	.01279	-.00332	.00181	.00014	.00040	.03766	.00025	-.00462	.00103	-.00310	.00676	.00274	-.01272
#2	.05686	.00054	.00004	.00004	.00034	.05213	-.00023	-.00322	.00118	-.00100	.01278	-.00189	.02487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01300**	**.00063**	**.00015**	**.00038**	**-.00054**	**.00081**	**-.00589**	**.00035**	**.00263**	**.00185**
Stddev	.05688	.00027	.00020	.00034	.00047	.00057	.01693	.00009	.00022	.00068
%RSD	437.49	42.002	132.80	89.242	87.500	71.345	287.56	24.829	8.4584	36.905
#1	-.02722	.00082	.00029	.00062	-.00020	.00121	.00609	.00029	.00247	.00233
#2	.05322	.00045	.00001	.00014	-.00087	.00040	-.01786	.00041	.00278	.00136
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7987.5**	**107080.**	**6476.7**
Stddev	.5	149.	15.2
%RSD	.00640	.13930	.23402
#1	7987.1	106970.	6466.0
#2	7987.8	107190.	6487.5

Sample Name: ICB Acquired: 11/11/2013 16:01:00 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00521**	**.00224**	**-.00100**	**-.00011**	**-.00002**	**-.00133**	**-.00014**	**.00006**	**.00054**	**-.00008**	**-.00057**	**-.00252**
Stddev	.00021	.00006	.00012	.00029	.00018	.00003	.00082	.00483	.00010	.00021	.00008	.00000	.00016
%RSD	310.50	1.2040	5.1397	28.484	160.39	142.09	61.420	3408.0	171.98	38.701	110.87	.31327	6.3108
#1	.00021	-.00525	.00232	-.00121	.00002	.00000	-.00191	.00328	.00013	.00069	-.00002	-.00056	-.00241
#2	-.00008	-.00516	.00216	-.00080	-.00024	-.00004	-.00075	-.00356	-.00001	.00039	-.00014	-.00057	-.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02582**	**-.00151**	**-.00126**	**.00008**	**.00016**	**-.03408**	**.00028**	**-.00341**	**-.00031**	**-.00200**	**-.00062**	**.00187**	**.00595**
Stddev	.04674	.00065	.00049	.00003	.00019	.00425	.00003	.00052	.00017	.00019	.00137	.00050	.00614
%RSD	181.03	43.121	39.186	34.497	118.30	12.485	9.4084	15.225	55.075	9.5748	219.95	26.763	103.14
#1	-.05887	-.00197	-.00161	.00006	.00029	-.03709	.00026	-.00378	-.00042	-.00187	-.00159	.00152	.01029
#2	.00723	-.00105	-.00091	.00010	.00003	-.03107	.00030	-.00304	-.00019	-.00214	.00035	.00223	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01274**	**.00028**	**-.00002**	**-.00153**	**-.00050**	**.00029**	**.02094**	**.00047**	**-.00036**	**.00211**
Stddev	.01314	.00037	.00004	.00136	.00004	.00049	.00599	.00024	.00010	.00105
%RSD	103.14	129.56	161.96	89.163	7.9897	167.55	28.586	50.788	26.989	49.731
#1	.02203	.00054	.00000	-.00249	-.00047	.00064	.02517	.00064	-.00043	.00137
#2	.00345	.00002	-.00005	-.00056	-.00053	-.00005	.01671	.00030	-.00029	.00285
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.0**	**109520.**	**6630.0**
Stddev	28.7	71.	.1
%RSD	.35327	.06464	.00163
#1	8113.7	109570.	6630.0
#2	8154.3	109470.	6629.9

Sample Name: CRI-2372864 Acquired: 11/11/2013 16:04:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.10011**	**.01137**	**.09273**	**.00471**	**.00096**	**.12046**	**.20820**	**.00487**	**.00542**	**.01006**	**.00999**
Stddev	.00064	.00010	.00230	.00060	.00000	.00002	.00009	.00602	.00013	.00014	.00003	.00025
%RSD	6.1427	.10237	20.194	.64417	.02440	1.5991	.07290	2.8935	2.5840	2.6278	.29289	2.5347
#1	.01080	.10018	.01299	.09316	.00471	.00097	.12052	.20394	.00478	.00552	.01004	.00981
#2	.00990	.10003	.00975	.09231	.00471	.00095	.12040	.21246	.00496	.00532	.01009	.01016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02734**	**.95673**	**.00814**	**.19702**	**.00306**	**.00965**	**.98413**	**.01062**	**.92402**	**.00262**	**.08782**	**.00939**
Stddev	.00123	.01535	.00073	.00032	.00005	.00011	.00873	.00005	.00073	.00114	.00180	.00160
%RSD	4.5038	1.6049	8.9826	.16382	1.7010	1.1713	.88753	.51776	.07874	43.522	2.0531	17.081
#1	.02821	.94587	.00865	.19725	.00302	.00973	.97795	.01066	.92351	.00181	.08910	.00825
#2	.02647	.96759	.00762	.19679	.00310	.00957	.99031	.01058	.92454	.00342	.08655	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.50306**	**1.0765**	**.02018**	**.00502**	F **.00448**	**.00903**	**.01068**	**.04925**	**.01005**	**.01196**	W **.01206**
Stddev	.00105	.00109	.0023	.00015	.00011	.00063	.00003	.00032	.03360	.00043	.00050	.00196
%RSD	12.601	.21689	.21689	.76486	2.1929	14.179	.35307	2.9627	68.221	4.2309	4.1908	16.277
#1	.00761	.50383	1.0782	.02007	.00510	.00403	.00905	.01090	.07301	.01035	.01160	.01345
#2	.00910	.50228	1.0749	.02029	.00494	.00493	.00900	.01045	.02549	.00975	.01231	.01067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value						.01000						.01000
Range						-50.000%						20.490%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8235.9**	**110700.**	**6627.3**
Stddev	.5	563.	72.4
%RSD	.00603	.50831	1.0921
#1	8235.6	111090.	6678.4
#2	8236.3	110300.	6576.1

Sample Name: ICSA-2295334 Acquired: 11/11/2013 16:09:26 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	R **507.74**	**-.00293**	**-.00122**	**.00023**	**.00004**	W **-.03006**	**463.18**	W **.00095**	**-.00058**	W **.00188**
Stddev	.00037	3.43	.00353	.00043	.00013	.00001	.00219	22.86	.00026	.00009	.00013
%RSD	204680.	.67535	120.41	35.361	53.640	34.983	7.2824	4.9358	27.157	15.716	6.9303
#1	.00026	505.32	-.00543	-.00152	.00015	.00005	-.03161	447.01	.00077	-.00051	.00179
#2	-.00026	510.17	-.00044	-.00091	.00032	.00003	-.02851	479.34	.00113	-.00064	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit							.01200		.00080		.00186
Low Limit							-.01200		-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**187.99**	**.08984**	W **.00993**	**486.63**	W **.00057**	**-.00005**	**.16471**	**-.00098**	**-.00670**	**.00050**
Stddev	.00038	1.18	.05818	.00170	1.73	.00005	.00007	.06644	.00007	.00188	.00002
%RSD	16.544	.63025	64.756	17.154	.35645	9.4824	165.23	40.337	7.2863	28.030	3.5022
#1	.00201	187.15	.04870	.01114	485.41	.00053	.00001	.11773	-.00103	-.00802	.00051
#2	.00254	188.83	.13098	.00873	487.86	.00061	-.00010	.21169	-.00093	-.00537	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07746**	**.00235**	**.00113**	**.00135**	**.00289**	**.00107**	W **.01529**	W **.01218**	W **-.00109**	**-.00135**	**-.02751**
Stddev	.00032	.00122	.00164	.00707	.01514	.00063	.00013	.00136	.00017	.00178	.06227
%RSD	.41521	52.094	145.21	524.29	524.29	58.985	.84118	11.193	15.900	132.52	226.38
#1	-.07769	.00148	.00228	-.00365	-.00782	.00151	.01538	.01314	-.00122	-.00261	-.07154
#2	-.07723	.00322	-.00003	.00635	.01359	.00062	.01520	.01122	-.00097	-.00008	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.00050	.00800	.00100		
Low Limit							-.00050	-.00800	-.00100		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00011**	**-.00369**	**.00051**
Stddev	.00026	.00002	.00143
%RSD	236.76	.57700	280.75
#1	-.00008	-.00371	.00153
#2	.00030	-.00368	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7316.1**	**92993.**	**6491.0**
Stddev	36.5	259.	91.0
%RSD	.49890	.27867	1.4020
#1	7290.3	92810.	6555.3
#2	7341.9	93177.	6426.6

Sample Name: ICSAB-2363707 Acquired: 11/11/2013 16:12:23 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0690**	R **508.78**	**1.9458**	**1.8041**	**.50197**	**.48311**	**.99464**	**454.77**	**.98426**	**.45633**	**.47761**	**.52697**	**187.92**
Stddev	.0032	7.22	.0020	.0014	.00508	.00747	.00431	2.55	.00027	.00057	.00018	.00164	2.21
%RSD	.29423	1.4197	.10176	.07495	1.0114	1.5467	.43303	.56115	.02716	.12522	.03873	.31208	1.1751
#1	1.0712	503.67	1.9472	1.8051	.49838	.47782	.99768	456.57	.98445	.45673	.47774	.52814	186.35
#2	1.0668	513.89	1.9444	1.8032	.50556	.48839	.99159	452.96	.98407	.45592	.47748	.52581	189.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.159**	**1.0594**	**481.75**	**.49704**	**.93526**	**52.394**	**.89910**	**1.8699**	**.88656**	**.90099**	**.95999**	**4.5872**	**9.6845**
Stddev	.772	.0113	8.76	.00076	.00036	.523	.00061	.0057	.00120	.00732	.00022	.0067	.1709
%RSD	1.4517	1.0685	1.8192	.15258	.03801	.99830	.06730	.30265	.13531	.81223	.02258	.14562	1.7647
#1	52.614	1.0514	487.94	.49758	.93552	52.024	.89952	1.8739	.88571	.90617	.95984	4.5825	9.5637
#2	53.705	1.0674	475.55	.49651	.93501	52.764	.89867	1.8659	.88741	.89582	.96015	4.5919	9.8054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.725**	**8.7115**	**1.0062**	**2.0347**	**.98121**	**8.0864**	**.00051**	**.49825**	**.96312**	**.99045**
Stddev	.366	.0018	.0118	.0097	.00305	.0060	.02573	.00104	.00208	.01128
%RSD	1.7647	.02058	1.1764	.47461	.31134	.07426	5042.7	.20973	.21627	1.1393
#1	20.466	8.7128	.99779	2.0416	.98337	8.0906	.01870	.49899	.96459	.98248
#2	20.984	8.7102	1.0145	2.0279	.97905	8.0822	-.01768	.49751	.96164	.99843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7356.0**	**93349.**	**6444.0**
Stddev	19.9	490.	93.4
%RSD	.27009	.52532	1.4498
#1	7370.1	93002.	6510.0
#2	7342.0	93696.	6377.9

Sample Name: Na 5000 Acquired: 11/11/2013 16:15:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.01083**	**-.00093**	**.00080**	**.00043**	**.00003**	**.00347**	**.04296**	**-.00017**	**-.00003**
Stddev	.00021	.00020	.00012	.00077	.00032	.00009	.00206	.00191	.00017	.00019
%RSD	44.356	1.8190	12.734	96.863	75.985	301.73	59.491	4.4355	100.25	666.85
#1	-.00061	.01097	-.00084	.00134	.00066	.00009	.00493	.04431	-.00005	.00010
#2	-.00032	.01069	-.00101	.00025	.00020	-.00003	.00201	.04161	-.00029	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00056**	**.00989**	**8.5753**	**.00737**	**.03203**	**.00040**	**.00017**	RW **5219.8**	**.00034**
Stddev	.00018	.00026	.00026	1.1171	.00294	.00042	.00004	.00008	3.6	.00018
%RSD	324.40	46.850	2.6332	13.027	39.922	1.3133	9.4191	44.782	.06884	52.010
#1	.00007	.00037	.00970	7.7854	.00529	.03233	.00037	.00022	5222.4	.00022
#2	-.00018	.00074	.01007	9.3652	.00945	.03174	.00042	.00012	5217.3	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00110**	**.02091**	**-.00053**	**-.00147**	**.02283**	**.04886**	**.00084**	**.00025**	**-.00449**
Stddev	.00150	.00015	.00083	.00007	.00007	.02868	.06137	.00026	.00005	.00068
%RSD	122.55	13.346	3.9866	13.673	4.9989	125.61	125.61	30.536	20.092	15.182
#1	.00016	-.00099	.02150	-.00059	-.00142	.04311	.09226	.00102	.00021	-.00401
#2	.00229	-.00120	.02032	-.00048	-.00153	.00255	.00546	.00066	.00028	-.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00054**	**.00163**	**.00086**	**.00473**	**.00074**
Stddev	.00064	.00026	.00761	.00074	.00049	.00207
%RSD	125.66	47.327	467.57	85.237	10.418	279.85
#1	-.00006	.00036	.00701	.00138	.00508	.00220
#2	-.00096	.00072	-.00375	.00034	.00438	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6593.1**	**81694.**	**6131.6**
Stddev	12.1	31.	48.8
%RSD	.18422	.03776	.79529
#1	6584.5	81672.	6166.1
#2	6601.7	81716.	6097.1

Sample Name: LRA-2305343 Acquired: 11/11/2013 16:19:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2413**	**.57213**	**9.6768**	**9.2144**	**12.077**	**-.00591**	**-.12682**	**.00888**	**2.0191**	**4.9734**	**10.033**	**10.278**	R **502.58**
Stddev	.0015	.00062	.0011	.0207	.112	.00008	.00092	.00286	.0024	.0064	.023	.003	.14
%RSD	.12066	.10862	.01154	.22405	.93135	1.3491	.72888	32.158	.11961	.12944	.22483	.03143	.02805
#1	1.2402	.57170	9.6776	9.2290	11.997	-.00597	-.12617	.00686	2.0208	4.9779	10.049	10.276	502.67
#2	1.2423	.57257	9.6760	9.1998	12.156	-.00586	-.12747	.01090	2.0174	4.9688	10.017	10.280	502.48
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03741**	**-.00104**	**.00804**	**9.8803**	**4.9063**	**.63034**	**10.012**	**.00429**	**10.052**	**-.08555**	**-.10979**	**4.7344**	**47.724**
Stddev	.07036	.00081	.00075	.0144	.0198	.04717	.020	.00125	.016	.00332	.00263	.0054	.088
%RSD	188.08	77.787	9.2751	.14541	.40406	7.4836	.20376	29.063	.15979	3.8783	2.3979	.11324	.18384
#1	.08716	-.00161	.00857	9.8905	4.9203	.66370	10.027	.00341	10.063	-.08789	-.11165	4.7382	47.662
#2	-.01234	-.00047	.00752	9.8701	4.8923	.59699	9.9977	.00518	10.040	-.08320	-.10793	4.7307	47.786
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.13**	**.01568**	**10.048**	**.02715**	**9.9272**	**4.8385**	**-.01695**	**9.9122**	**9.6362**	**-.00536**
Stddev	.19	.00104	.209	.00026	.0036	.0172	.01966	.0001	.0224	.00031
%RSD	.18384	6.6385	2.0774	.95695	.03632	.35579	116.02	.00099	.23235	5.7516
#1	102.00	.01494	10.195	.02696	9.9247	4.8507	-.00304	9.9121	9.6521	-.00515
#2	102.26	.01641	9.9001	.02733	9.9298	4.8264	-.03085	9.9123	9.6204	-.00558
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7947.4**	**106470.**	**6621.1**
Stddev	27.3	81.	4.0
%RSD	.34400	.07580	.06067
#1	7928.1	106530.	6624.0
#2	7966.7	106410.	6618.3

Sample Name: CCVH-2372891 Acquired: 11/11/2013 16:22:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00764**	**51.230**	**.00459**	**.01348**	**.00039**	**-.00004**	**1.0177**	**.01457**	**.00002**	**-.00005**	**.00025**	**.01186**	**50.272**
Stddev	.00062	.089	.00025	.00086	.00027	.00012	.0028	.00233	.00014	.00004	.00034	.00165	.099
%RSD	8.0763	.17448	5.4636	6.3586	69.713	323.85	.27731	16.011	827.58	71.234	136.71	13.916	.19694
#1	.00807	51.167	.00441	.01408	.00058	.00005	1.0197	.01622	.00012	-.00003	.00048	.01303	50.202
#2	.00720	51.293	.00477	.01287	.00020	-.00012	1.0157	.01292	-.00008	-.00008	.00001	.01070	50.342
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06773**	**-.00147**	**.07890**	**.00186**	**.00078**	**253.43**	**-.00012**	**-.00144**	**.00124**	**5.0587**	**-.00096**	**.00047**	**.03492**
Stddev	.00736	.00131	.00050	.00139	.00034	.52	.00003	.00065	.00109	.0203	.00199	.00337	.00592
%RSD	10.863	89.254	.63471	74.861	43.234	.20639	24.014	45.252	87.498	.40215	207.88	714.48	16.948
#1	.06253	-.00240	.07926	.00284	.00054	253.80	-.00010	-.00098	.00047	5.0731	.00045	.00285	.03910
#2	.07293	-.00054	.07855	.00087	.00102	253.06	-.00014	-.00190	.00201	5.0443	-.00237	-.00191	.03073
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07473**	**-.00005**	**.00066**	**4.9913**	**-.00993**	**.00254**	F **6.0738**	**.00274**	**.00200**	**.05044**
Stddev	.01266	.00035	.00003	.0103	.00111	.00008	.0561	.00150	.00154	.00004
%RSD	16.948	754.83	4.2642	.20659	11.170	3.0677	.92329	54.839	76.779	.07001
#1	.08368	.00020	.00064	4.9840	-.00915	.00248	6.1134	.00381	.00309	.05041
#2	.06577	-.00029	.00068	4.9985	-.01072	.00259	6.0341	.00168	.00092	.05046
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7937.3**	**103520.**	**6611.8**
Stddev	32.9	453.	20.5
%RSD	.41427	.43767	.30951
#1	7960.6	103840.	6597.4
#2	7914.1	103200.	6626.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 16:24:29 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49059**	**.50671**	**.97321**	**.49643**	**.50035**	**.49282**	**-.00050**	**5.0617**	**.49413**	**.50391**	**.49634**	**.49770**	**2.5092**
Stddev	.00020	.00002	.00000	.00049	.00109	.00364	.00013	.0426	.00108	.00031	.00048	.00129	.0122
%RSD	.04053	.00427	.00028	.09776	.21847	.73918	25.638	.84111	.21883	.06112	.09735	.25822	.48785
#1	.49073	.50672	.97321	.49609	.49958	.49025	-.00041	5.0316	.49336	.50413	.49668	.49679	2.5006
#2	.49045	.50669	.97322	.49677	.50113	.49540	-.00060	5.0918	.49489	.50370	.49600	.49861	2.5179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.054**	**.99252**	**19.567**	**.49934**	**.49603**	**5.2761**	**.50095**	**.96846**	**1.0110**	**-.00987**	**.98968**	**.98297**	**4.9388**
Stddev	.297	.00683	.016	.00195	.00212	.0043	.00157	.00519	.0048	.00198	.00134	.00177	.0319
%RSD	.59369	.68835	.08235	.39020	.42817	.08164	.31382	.53557	.47672	20.045	.13506	.17957	.64551
#1	49.844	.98769	19.579	.49796	.49753	5.2730	.50206	.97213	1.0144	-.00847	.98874	.98172	4.9163
#2	50.264	.99735	19.556	.50072	.49453	5.2791	.49984	.96479	1.0076	-.01127	.99063	.98421	4.9614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.569**	**.99295**	**.49734**	**-.00277**	**.49774**	**1.0166**	**.01736**	**.49695**	**.49839**	**.49669**
Stddev	.068	.00281	.00185	.00184	.00205	.0000	.01611	.00103	.00114	.00120
%RSD	.64551	.28282	.37197	66.385	.41196	.00408	92.806	.20687	.22943	.24197
#1	10.521	.99097	.49603	-.00407	.49630	1.0166	.00597	.49623	.49758	.49584
#2	10.617	.99494	.49865	-.00147	.49919	1.0166	.02875	.49768	.49919	.49754
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8157.5**	**107940.**	**6629.6**
Stddev	16.3	668.	69.7
%RSD	.19940	.61850	1.0516
#1	8169.0	108410.	6678.9
#2	8146.0	107470.	6580.3

Sample Name: CCB Acquired: 11/11/2013 16:26:36 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00333**	**.00300**	W **.00576**	**.00023**	**.00004**	**.00079**	**.00201**	**.00001**	**.00027**	**.00008**	**-.00060**
Stddev	.0000	.00104	.00085	.00021	.00022	.00001	.00292	.00362	.00001	.00017	.00015	.00005
%RSD	173.52	31.327	28.413	3.7173	94.268	12.384	368.08	180.38	134.23	61.191	180.40	8.5106
#1	-.00001	-.00407	.00240	.00592	.00039	.00005	-.00127	.00457	.00000	.00015	.00019	-.00063
#2	.00000	-.00259	.00361	.00561	.00008	.00004	.00285	-.00055	.00001	.00039	-.00002	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.05535**	**-.00219**	**.00372**	**.00015**	**.00044**	W **.14965**	**.00006**	**-.00560**	**-.00010**	**-.00548**	F **.00934**
Stddev	.00057	.02473	.00134	.00025	.00001	.00008	.00356	.00009	.00166	.00023	.00058	.00268
%RSD	34.834	44.678	61.328	6.6723	7.8518	17.368	2.3794	159.65	29.612	222.06	10.669	28.695
#1	-.00124	.03787	-.00314	.00354	.00014	.00039	.15217	.00012	-.00443	-.00026	-.00589	.00744
#2	-.00206	.07284	-.00124	.00389	.00016	.00050	.14714	-.00001	-.00677	.00006	-.00506	.01123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.02749**	**.05884**	**.00071**	**.00013**	**-.00037**	**-.00048**	**.00046**	**-.00156**	**.00040**	**.00227**	W **.00373**
Stddev	.00101	.00683	.01461	.00034	.00007	.00019	.00002	.00077	.02758	.00004	.00010	.00166
%RSD	54.954	24.827	24.827	48.523	49.757	51.575	3.1713	167.36	1763.8	9.1125	4.5053	44.501
#1	.00113	.03232	.06917	.00095	.00018	-.00051	-.00049	.00101	-.02107	.00042	.00220	.00256
#2	.00256	.02267	.04851	.00047	.00009	-.00024	-.00047	-.00008	.01794	.00037	.00234	.00491
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.0**	**108940.**	**6591.5**
Stddev	10.7	546.	58.0
%RSD	.13186	.50137	.88046
#1	8107.4	108550.	6550.4
#2	8122.6	109320.	6632.5

Sample Name: CCVL2372865 Acquired: 11/11/2013 16:28:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.10617**	**.01637**	**.10256**	**.01063**	**.00100**	**.12271**	**.22057**	**.00525**	**.01098**	**.01073**	**.01536**	**.10718**
Stddev	.00070	.00077	.00158	.00091	.00005	.00006	.00122	.00120	.00006	.00030	.00025	.00036	.00126
%RSD	6.4047	.72456	9.6750	.89069	.43529	5.6960	.99481	.54310	1.0925	2.6896	2.3230	2.3501	1.1770
#1	.01143	.10563	.01749	.10321	.01060	.00104	.12357	.22141	.00521	.01077	.01090	.01562	.10629
#2	.01044	.10672	.01525	.10191	.01066	.00096	.12185	.21972	.00529	.01119	.01055	.01511	.10807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1038**	**.00922**	**.21063**	**.01053**	**.02043**	**1.1759**	**.04299**	**2.9429**	**.00965**	**-.00514**	**.00927**	**.01154**	**.52162**
Stddev	.0138	.00208	.00129	.00003	.00001	.0026	.00023	.0086	.00017	.00087	.00092	.00304	.00383
%RSD	.44593	22.543	.61136	.32291	.06420	.21872	.53160	.29375	1.8114	16.818	9.9265	26.311	.73427
#1	3.0940	.00775	.20972	.01051	.02044	1.1777	.04315	2.9490	.00953	-.00576	.00993	.00939	.51891
#2	3.1136	.01069	.21154	.01056	.02042	1.1741	.04283	2.9368	.00978	-.00453	.00862	.01369	.52432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1163**	**.10536**	**.01057**	**.01507**	**.00977**	**.01664**	F **.03794**	**.01056**	**.02322**	**.01856**
Stddev	.0082	.00059	.00009	.00047	.00019	.00024	.03199	.00027	.00030	.00018
%RSD	.73427	.56336	.88681	3.0906	1.9110	1.4299	84.314	2.5219	1.2805	.96831
#1	1.1105	.10578	.01050	.01474	.00963	.01648	.01532	.01037	.02343	.01843
#2	1.1221	.10494	.01063	.01540	.00990	.01681	.06056	.01075	.02301	.01868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.1**	**114500.**	**6849.1**
Stddev	15.4	345.	56.8
%RSD	.18149	.30154	.82932
#1	8514.0	114260.	6808.9
#2	8492.2	114750.	6889.2

Sample Name: mb 280-199576/1-a Acquired: 11/11/2013 16:31:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00159**	**.00265**	**.00287**	**-.00025**	**-.00002**	**.00284**	**.00857**	**.00008**	**.00024**
Stddev	.00029	.00012	.00124	.00036	.00005	.00004	.00001	.00127	.00011	.00020
%RSD	56.206	7.4072	46.883	12.537	18.688	228.20	.25938	14.855	144.46	83.513
#1	.00071	-.00151	.00177	.00312	-.00028	.00001	.00284	.00947	.00000	.00038
#2	.00031	-.00167	.00353	.00262	-.00022	-.00004	.00283	.00767	.00016	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00006**	**.01321**	**.04287**	**-.00104**	**-.00082**	**.00035**	**.00001**	**.09980**	**.00039**
Stddev	.00002	.00019	.00245	.01613	.00180	.00011	.00007	.00019	.00312	.00000
%RSD	11.416	338.88	18.513	37.617	174.25	13.420	20.343	1527.0	3.1312	1.2456
#1	.00016	.00019	.01148	.05427	-.00231	-.00074	.00040	-.00012	.10201	.00039
#2	.00019	-.00008	.01494	.03147	.00024	-.00090	.00030	.00014	.09759	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00327**	**.00095**	**.00126**	**-.00096**	**-.00122**	**.01176**	**.02517**	**.00084**	**.00003**	**.00083**
Stddev	.00051	.00008	.00209	.00095	.00060	.00001	.00003	.00048	.00006	.00073
%RSD	15.457	8.0358	165.18	99.560	49.525	.12314	.12314	57.005	184.04	88.257
#1	-.00363	.00101	-.00021	-.00163	-.00079	.01177	.02520	.00118	.00007	.00134
#2	-.00291	.00090	.00274	-.00028	-.00165	.01175	.02515	.00050	-.00001	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00019**	**-.00023**	**.00032**	**.00570**	**.00379**
Stddev	.00023	.00014	.00872	.00037	.00010	.00235
%RSD	48.453	69.954	3740.8	115.51	1.6917	61.952
#1	-.00063	-.00029	.00594	.00006	.00577	.00213
#2	-.00031	-.00010	-.00640	.00058	.00563	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8531.5**	**115380.**	**7126.6**
Stddev	29.4	473.	13.1
%RSD	.34517	.40973	.18374
#1	8510.7	115710.	7117.3
#2	8552.3	115040.	7135.9

Sample Name: lcs 280-199576/2-a Acquired: 11/11/2013 16:33:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04953**	**1.8893**	**.97067**	**.98067**	**2.0214**	**.04939**	**2.1700**	**48.706**	**.10342**	**.48901**
Stddev	.00008	.0015	.00089	.00293	.0030	.00017	.0034	.141	.00036	.00103
%RSD	.17141	.07848	.09126	.29909	.14897	.34684	.15784	.28945	.34356	.21006
#1	.04959	1.8904	.97130	.98275	2.0193	.04927	2.1724	48.606	.10367	.48974
#2	.04947	1.8883	.97004	.97860	2.0235	.04951	2.1676	48.805	.10316	.48828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19868**	**.25467**	**1.0672**	**50.081**	**.99267**	**48.394**	**.49313**	**.98596**	**51.646**	**.48826**
Stddev	.00014	.00024	.0031	.103	.00087	.003	.00009	.00220	.315	.00122
%RSD	.06821	.09509	.29027	.20535	.08808	.00528	.01777	.22320	.60974	.25076
#1	.19877	.25484	1.0650	50.009	.99329	48.395	.49319	.98752	51.423	.48913
#2	.19858	.25450	1.0694	50.154	.99205	48.392	.49307	.98441	51.868	.48740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8741**	**.48109**	**-.01109**	**.48537**	**1.9498**	**9.8178**	**21.010**	**1.9408**	**1.0024**	**1.0073**
Stddev	.0395	.00046	.00071	.00689	.0214	.0635	.136	.0149	.0013	.0007
%RSD	.39977	.09489	6.4254	1.4192	1.0988	.64638	.64638	.76778	.12480	.07145
#1	9.9020	.48141	-.01160	.49024	1.9649	9.7729	20.914	1.9514	1.0015	1.0078
#2	9.8462	.48076	-.01059	.48050	1.9346	9.8627	21.106	1.9303	1.0032	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99519**	**1.9269**	**2.1374**	**.50059**	**.48902**	**.51099**
Stddev	.00145	.0159	.0135	.00098	.00006	.00291
%RSD	.14523	.82696	.62945	.19649	.01253	.57016
#1	.99417	1.9382	2.1279	.50128	.48906	.50893
#2	.99621	1.9157	2.1469	.49989	.48898	.51305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8180.1**	**108310.**	**6991.9**
Stddev	22.8	173.	49.4
%RSD	.27901	.15939	.70608
#1	8163.9	108430.	7026.8
#2	8196.2	108190.	6957.0

Sample Name: 280-48773-c-1-a@10 Acquired: 11/11/2013 16:35:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00530**	**.00140**	**.13609**	**.00393**	**-.00003**	**.00054**	**2.1839**	**.00004**	**.00023**
Stddev	.00036	.00000	.00101	.00013	.00154	.00005	.00017	.0457	.00021	.00011
%RSD	78.710	.05349	72.395	.09340	39.316	173.97	31.184	2.0905	483.28	48.819
#1	.00020	.00530	.00212	.13600	.00283	-.00007	.00065	2.1516	-.00011	.00015
#2	.00071	.00530	.00068	.13618	.00502	.00001	.00042	2.2162	.00020	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00057**	**.01745**	**.10758**	**.00406**	**.79813**	**.01271**	**.00382**	**96.932**	**.00095**
Stddev	.00003	.00028	.00071	.04123	.00113	.00221	.00014	.00014	.930	.00007
%RSD	39.626	50.046	4.0774	38.330	27.808	.27732	1.0725	3.6650	.95959	7.1694
#1	.00011	.00077	.01695	.07842	.00326	.79656	.01261	.00372	97.590	.00100
#2	.00006	.00037	.01795	.13673	.00485	.79969	.01281	.00392	96.274	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00007**	**25.314**	**-.00187**	**.00049**	**.47149**	**1.0090**	**.00345**	**.06774**	**-.00041**
Stddev	.00095	.00118	.011	.00022	.00336	.03327	.0712	.00036	.00098	.00038
%RSD	12.992	1694.5	.04183	11.600	684.07	7.0572	7.0572	10.454	1.4439	93.616
#1	.00662	.00076	25.321	-.00202	.00287	.44796	.95863	.00319	.06705	-.00068
#2	.00796	-.00090	25.306	-.00171	-.00189	.49502	1.0593	.00370	.06843	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00283**	**.02016**	**.00059**	**.00643**	**.00245**
Stddev	.00023	.00129	.06164	.00034	.00036	.00124
%RSD	98.146	45.470	305.82	57.340	5.5693	50.484
#1	-.00039	.00374	.06374	.00082	.00668	.00333
#2	-.00007	.00192	-.02343	.00035	.00618	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8087.9**	**107560.**	**6866.3**
Stddev	3.8	780.	18.4
%RSD	.04654	.72496	.26733
#1	8090.6	108110.	6853.3
#2	8085.3	107010.	6879.2

Sample Name: 280-48773-c-1-aSD@50 Acquired: 11/11/2013 16:37:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00605**	**-.00040**	**.02872**	**.00073**	**-.00005**	**.00139**	**.43915**	**.00014**	**.00030**
Stddev	.00012	.00002	.00255	.00003	.00006	.00001	.00004	.00458	.00007	.00013
%RSD	39.354	.27263	631.60	.09823	8.8730	11.748	2.6321	1.0421	50.496	43.631
#1	.00021	.00604	.00140	.02870	.00068	-.00005	.00136	.43591	.00009	.00039
#2	.00038	.00606	-.00221	.02874	.00078	-.00004	.00142	.44238	.00019	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00010**	**.01882**	**-.05140**	**.00172**	**.16112**	**.00272**	**.00074**	**19.954**	**.00058**
Stddev	.00015	.00017	.00089	.01028	.00205	.00266	.00003	.00028	.056	.00016
%RSD	125.65	164.93	4.7189	20.008	119.44	1.6496	1.0121	37.090	.28054	26.655
#1	-.00022	.00002	.01819	-.05867	.00027	.16300	.00270	.00055	19.914	.00047
#2	-.00001	-.00022	.01945	-.04413	.00317	.15924	.00274	.00094	19.993	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00264**	**.00013**	**4.9492**	**-.00053**	**-.00164**	**.09871**	**.21125**	**.00273**	**.01338**	**.00100**
Stddev	.00012	.00005	.0029	.00259	.00275	.00400	.00856	.00031	.00004	.00287
%RSD	4.4924	39.228	.05870	487.37	167.62	4.0537	4.0537	11.334	.28949	287.64
#1	-.00255	.00009	4.9513	-.00236	.00030	.10154	.21730	.00251	.01335	-.00103
#2	-.00272	.00016	4.9472	.00130	-.00358	.09588	.20519	.00295	.01341	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00074**	**.00015**	**.00011**	**.00492**	**.00000**
Stddev	.00008	.00002	.03279	.00074	.00028	.00263
%RSD	15.742	3.0251	22531.	700.50	5.6684	313230.
#1	-.00057	.00076	.02333	.00063	.00472	-.00186
#2	-.00045	.00073	-.02304	-.00042	.00512	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8279.2**	**110980.**	**6773.9**
Stddev	22.1	422.	12.7
%RSD	.26687	.38027	.18708
#1	8263.6	110680.	6782.9
#2	8294.8	111280.	6765.0

Sample Name: 48773-c-1-b ms@10 Acquired: 11/11/2013 16:40:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00547**	**.20515**	**.09523**	**.21458**	**.20276**	**.00498**	F **.22026**	**6.7569**	**.01034**	**.05119**
Stddev	.00005	.00056	.00142	.00028	.00224	.00012	.00585	.0692	.00021	.00021
%RSD	1.0017	.27363	1.4906	.13271	1.1035	2.3171	2.6583	1.0241	2.0605	.40414
#1	.00551	.20476	.09423	.21478	.20118	.00490	.21612	6.7079	.01049	.05134
#2	.00544	.20555	.09623	.21438	.20434	.00506	.22440	6.8058	.01019	.05104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02032**	**.02602**	**.11600**	**5.0877**	**.09833**	**5.4487**	**.06062**	**.10344**	**89.615**	**.05189**
Stddev	.00006	.00001	.00317	.0572	.00463	.0111	.00028	.00057	.280	.00021
%RSD	.31531	.02614	2.7332	1.1241	4.7073	.20438	.45632	.55123	.31206	.41136
#1	.02028	.02602	.11376	5.0473	.09506	5.4409	.06042	.10384	89.418	.05174
#2	.02037	.02603	.11824	5.1282	.10161	5.4566	.06081	.10303	89.813	.05204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0023**	**.04865**	**21.805**	**.04564**	**.19406**	**1.3756**	**2.9438**	**.20164**	**.15689**	**.10046**
Stddev	.0001	.00027	.035	.00155	.00140	.0316	.0676	.00019	.00152	.00006
%RSD	.01229	.55057	.15948	3.4047	.72327	2.2977	2.2977	.09652	.97159	.06042
#1	1.0022	.04884	21.781	.04674	.19506	1.3532	2.8959	.20150	.15582	.10050
#2	1.0024	.04846	21.830	.04454	.19307	1.3979	2.9916	.20178	.15797	.10041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09960**	**.19743**	**.20481**	**.05080**	**.05473**	**.05358**
Stddev	.00020	.00119	.01020	.00066	.00027	.00157
%RSD	.19755	.60515	4.9823	1.3073	.49737	2.9298
#1	.09946	.19659	.21203	.05127	.05492	.05247
#2	.09974	.19828	.19760	.05033	.05454	.05469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8094.3**	**107920.**	**6775.4**
Stddev	32.5	160.	22.1
%RSD	.40090	.14792	.32679
#1	8071.3	107810.	6791.1
#2	8117.2	108040.	6759.8

Sample Name: 48773-c-1-c msd@10 Acquired: 11/11/2013 16:42:36 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00562	.20716	.09976	.21695	.20214	.00497	F .22179	6.7712	.01056	.05118
Stddev	.00020	.00091	.00159	.00073	.00130	.00011	.00267	.0194	.00030	.00039
%RSD	3.5341	.43916	1.5965	.33474	.64504	2.3098	1.2049	.28605	2.7962	.76959
#1	.00576	.20652	.10089	.21644	.20121	.00488	.21990	6.7575	.01077	.05091
#2	.00548	.20781	.09864	.21747	.20306	.00505	.22368	6.7849	.01035	.05146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02028	.02588	.11452	5.0073	.10187	5.4651	.06081	.10368	90.985	.05200
Stddev	.00001	.00024	.00196	.0021	.00364	.0076	.00022	.00030	.072	.00021
%RSD	.03184	.94521	1.7110	.04251	3.5714	.13806	.35663	.29258	.07898	.41180
#1	.02028	.02606	.11591	5.0058	.09929	5.4598	.06096	.10346	90.935	.05215
#2	.02028	.02571	.11314	5.0088	.10444	5.4704	.06065	.10389	91.036	.05185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0089	.04991	22.256	.04757	.19217	1.3766	2.9460	.20169	.15759	.09890
Stddev	.0002	.00003	.032	.00245	.00265	.0151	.0323	.00015	.00103	.00141
%RSD	.02174	.05919	.14163	5.1547	1.3776	1.0951	1.0951	.07332	.65588	1.4207
#1	1.0091	.04993	22.234	.04930	.19404	1.3660	2.9232	.20180	.15686	.09790
#2	1.0088	.04989	22.278	.04583	.19029	1.3873	2.9688	.20159	.15832	.09989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09887	.19688	.20799	.05132	.05493	.05348
Stddev	.00033	.00103	.01999	.00006	.00002	.00020
%RSD	.33716	.52316	9.6134	.12548	.03484	.37640
#1	.09863	.19616	.22213	.05128	.05491	.05363
#2	.09910	.19761	.19385	.05137	.05494	.05334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8108.5	107750.	6820.8
Stddev	22.3	125.	13.1
%RSD	.27492	.11583	.19164
#1	8124.3	107840.	6830.1
#2	8092.7	107660.	6811.6

Sample Name: 48773-c-1-aPDS@10 Acquired: 11/11/2013 16:44:51 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05037**	**.97632**	**.19963**	**.22261**	**.10471**	**.04982**	**.00086**	**21.623**	**.04994**	**.04999**
Stddev	.00010	.00177	.00269	.00018	.00167	.00031	.00124	.074	.00008	.00013
%RSD	.19215	.18121	1.3500	.07915	1.5937	.61600	144.59	.34214	.15091	.26812
#1	.05044	.97507	.19773	.22273	.10589	.04961	-.00002	21.570	.04999	.04990
#2	.05030	.97758	.20154	.22248	.10353	.05004	.00173	21.675	.04988	.05008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**.05145**	**1.0947**	**19.962**	**.10338**	**19.831**	**.06234**	**.05157**	**114.70**	**.05061**
Stddev	.00002	.00057	.1104	.192	.00179	.134	.00044	.00009	.25	.00022
%RSD	.03232	1.1050	10.088	.96108	1.7331	.67688	.71072	.17349	.21441	.44251
#1	.05006	.05186	1.1728	19.826	.10212	19.926	.06266	.05163	114.88	.05077
#2	.05003	.05105	1.0166	20.097	.10465	19.736	.06203	.05150	114.53	.05045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0204**	**.09619**	**24.634**	**.09372**	**.19158**	**5.1636**	**11.050**	**.09747**	**.11504**	**.20195**
Stddev	.0076	.00004	.027	.00152	.00055	.0469	.100	.00012	.00111	.00363
%RSD	.37553	.03890	.10881	1.6235	.28693	.90801	.90801	.12066	.96486	1.7979
#1	2.0257	.09617	24.615	.09480	.19197	5.1305	10.979	.09756	.11582	.20451
#2	2.0150	.09622	24.653	.09265	.19120	5.1968	11.121	.09739	.11425	.19938
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04809**	**.19274**	**.55101**	**.05150**	**.20564**	**.05140**
Stddev	.00015	.00051	.05387	.00045	.00088	.00329
%RSD	.30527	.26296	9.7765	.87052	.42907	6.4081
#1	.04819	.19309	.51292	.05182	.20627	.04907
#2	.04798	.19238	.58910	.05119	.20502	.05373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.4**	**106300.**	**6803.4**
Stddev	14.6	691.	38.5
%RSD	.18101	.65004	.56654
#1	8096.7	105820.	6830.7
#2	8076.0	106790.	6776.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 16:47:05 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00737**	**50.618**	**.00197**	**.00259**	**-.00007**	**-.00006**	**1.0272**	**.02173**	**-.00018**	**-.00018**	**.00001**	**.01031**	**49.920**
Stddev	.00039	.017	.00070	.00035	.00018	.00007	.0034	.00062	.00013	.00006	.00005	.00045	.073
%RSD	5.2551	.03332	35.525	13.690	243.23	114.93	.33454	2.8324	70.518	32.566	306.96	4.3274	.14712
#1	.00709	50.607	.00246	.00234	-.00020	-.00001	1.0248	.02216	-.00009	-.00014	-.00002	.00999	49.868
#2	.00764	50.630	.00147	.00284	.00005	-.00010	1.0296	.02129	-.00027	-.00023	.00005	.01062	49.972
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00933**	**-.00217**	**.08315**	**.00065**	**-.00013**	**251.83**	**-.00002**	**.00028**	**-.00034**	**5.0951**	**.00115**	**-.00397**	**.01530**
Stddev	.01655	.00321	.00140	.00002	.00001	.43	.00016	.00344	.00097	.0339	.00088	.00171	.00285
%RSD	177.48	148.08	1.6833	3.4104	10.203	.17028	727.62	1244.3	284.32	.66617	76.608	43.022	18.613
#1	-.02103	-.00444	.08414	.00064	-.00012	252.13	-.00014	-.00216	-.00102	5.0711	.00053	-.00276	.01328
#2	.00238	.00010	.08216	.00067	-.00014	251.53	.00009	.00271	.00034	5.1191	.00178	-.00518	.01731
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03273**	**-.00025**	**.00027**	**4.9876**	**-.01162**	**.00132**	F **6.1469**	**.00132**	**.00059**	**.05135**
Stddev	.00609	.00014	.00007	.0264	.00016	.00026	.0458	.00039	.00004	.00562
%RSD	18.613	54.941	27.864	.53017	1.3764	19.956	.74580	29.655	7.0273	10.940
#1	.02842	-.00035	.00021	4.9689	-.01173	.00114	6.1144	.00104	.00056	.05532
#2	.03704	-.00015	.00032	5.0063	-.01151	.00151	6.1793	.00159	.00062	.04738
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8126.2**	**106300.**	**6875.5**
Stddev	1.3	933.	37.0
%RSD	.01645	.87808	.53797
#1	8127.1	106960.	6901.6
#2	8125.2	105640.	6849.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 16:49:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49531**	**.53987**	**.97712**	**.49132**	**.49724**	**.49299**	**-.00094**	**5.0220**	**.49180**	**.50130**	**.49648**	**.49729**	**2.4859**
Stddev	.00149	.05345	.00117	.00210	.00145	.00315	.00335	.0352	.00248	.00137	.00069	.00270	.0179
%RSD	.30073	9.9001	.11937	.42725	.29138	.63918	358.10	.70147	.50481	.27399	.13890	.54266	.72093
#1	.49426	.57766	.97629	.48984	.49621	.49076	.00143	4.9971	.49004	.50033	.49599	.49538	2.4732
#2	.49636	.50208	.97794	.49280	.49826	.49522	-.00330	5.0469	.49355	.50227	.49697	.49919	2.4985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.605**	**.98391**	**19.509**	**.49684**	**.49668**	**5.1838**	**.50132**	**.97756**	**1.0060**	**.02852**	**.99393**	**.98680**	**4.8742**
Stddev	.113	.00093	.017	.00027	.00332	.0339	.00148	.00768	.0017	.05200	.00012	.00167	.0429
%RSD	.22788	.09469	.08901	.05489	.66806	.65440	.29579	.78530	.16598	182.31	.01211	.16925	.88009
#1	49.525	.98325	19.521	.49664	.49902	5.2078	.50028	.98299	1.0072	.06529	.99385	.98798	4.8439
#2	49.685	.98457	19.496	.49703	.49433	5.1599	.50237	.97213	1.0048	-.00825	.99402	.98562	4.9046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.431**	**.99446**	**.49444**	**-.00317**	**.49323**	**1.0194**	**.02277**	**.49245**	**.49280**	**.49475**
Stddev	.092	.00558	.00089	.00093	.00018	.0034	.02895	.00042	.00014	.00416
%RSD	.88009	.56095	.17993	29.360	.03724	.33274	127.17	.08556	.02831	.84115
#1	10.366	.99052	.49381	-.00383	.49310	1.0170	.04324	.49215	.49290	.49181
#2	10.496	.99841	.49507	-.00251	.49336	1.0218	.00229	.49274	.49270	.49770
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.9**	**109970.**	**6844.9**
Stddev	19.0	139.	3.4
%RSD	.23046	.12623	.05009
#1	8212.5	109870.	6842.5
#2	8239.3	110070.	6847.4

Sample Name: CCB Acquired: 11/11/2013 16:51:35 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00451**	**-.00078**	**.00154**	**-.00010**	**.00009**	**.00081**	**.00661**	**.00009**	**.00027**	**-.00007**	**-.00063**
Stddev	.00020	.00004	.00127	.00079	.00000	.00003	.00006	.00475	.00015	.00017	.00002	.00044
%RSD	41.437	.78608	163.95	51.544	3.0213	30.960	7.2716	71.905	172.01	61.355	29.718	69.436
#1	.00063	-.00448	.00012	.00098	-.00010	.00007	.00086	.00997	.00020	.00039	-.00009	-.00093
#2	.00034	-.00453	-.00168	.00210	-.00009	.00011	.00077	.00325	-.00002	.00015	-.00006	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.02059**	**-.00182**	**.00390**	**.00013**	**.00021**	**.08392**	**.00024**	**-.00446**	**-.00012**	**-.00191**	F **.00880**
Stddev	.00052	.00365	.00171	.00038	.00006	.00030	.01073	.00012	.00065	.00051	.00108	.00060
%RSD	414.61	17.737	93.931	9.6236	45.677	141.38	12.780	50.479	14.504	413.77	56.680	6.8092
#1	.00050	.02318	-.00061	.00364	.00018	.00043	.07633	.00032	-.00492	-.00049	-.00267	.00922
#2	-.00024	.01801	-.00303	.00417	.00009	.00000	.09150	.00015	-.00400	.00024	-.00114	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**.00204**	**.00437**	**-.00027**	**.00017**	**.00013**	**-.00023**	**.00038**	**.03168**	**.00039**	**.00202**	W **.00350**
Stddev	.00179	.00496	.01062	.00032	.00010	.00077	.00014	.00026	.02870	.00022	.00059	.00089
%RSD	277.63	242.74	242.74	118.01	62.303	577.31	61.778	70.047	90.601	58.194	29.151	25.513
#1	-.00191	.00555	.01188	-.00004	.00024	.00068	-.00033	.00019	.01138	.00055	.00161	.00287
#2	.00062	-.00146	-.00313	-.00050	.00009	-.00041	-.00013	.00056	.05198	.00023	.00244	.00413
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8229.2**	**110050.**	**6665.6**
Stddev	10.9	71.	9.5
%RSD	.13214	.06442	.14242
#1	8221.5	110100.	6672.3
#2	8236.9	110000.	6658.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 16:53:51 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.10472**	**.01524**	**.10011**	**.01041**	**.00101**	**.12392**	**.21547**	**.00521**	**.01093**	**.01061**	**.01526**	**.10327**	**3.0688**
Stddev	.00004	.00043	.00007	.00039	.00000	.00003	.00005	.00287	.00011	.00000	.00003	.00009	.00071	.1138
%RSD	.40827	.41369	.43108	.38809	.02493	2.6212	.04261	1.3317	2.2061	.00096	.27029	.60127	.68627	3.7066
#1	.01057	.10441	.01529	.10038	.01041	.00099	.12396	.21344	.00529	.01093	.01059	.01533	.10377	2.9884
#2	.01051	.10502	.01520	.09983	.01041	.00103	.12389	.21750	.00513	.01093	.01063	.01520	.10277	3.1492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.21191**	**.01051**	**.02010**	**1.1242**	**.04310**	**2.9573**	**.01038**	**.00433**	**.00851**	**.01390**	**.50902**	**1.0893**	**.10490**
Stddev	.00232	.00052	.00004	.00001	.0213	.00013	.0055	.00067	.00254	.00208	.00178	.01168	.0250	.00009
%RSD	27.626	.24701	.34943	.06388	1.8913	.29782	.18639	6.4698	58.576	24.403	12.824	2.2937	2.2937	.08704
#1	.00677	.21228	.01053	.02009	1.1091	.04319	2.9534	.00990	.00612	.00998	.01516	.50077	1.0716	.10483
#2	.01005	.21154	.01048	.02011	1.1392	.04301	2.9612	.01085	.00254	.00704	.01264	.51728	1.1070	.10496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.01506**	**.00941**	**.01659**	**.07143**	**.01019**	**.02235**	**.01898**
Stddev	.00024	.00114	.00016	.00082	.00017	.00054	.00023	.00207
%RSD	2.3402	7.5752	1.7002	4.9519	.23949	5.2716	1.0422	10.896
#1	.01028	.01425	.00952	.01601	.07131	.00981	.02251	.01752
#2	.01062	.01587	.00929	.01717	.07155	.01057	.02218	.02044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8405.9**	**113060.**	**6854.0**
Stddev	19.4	223.	31.9
%RSD	.23083	.19756	.46566
#1	8392.2	113220.	6876.6
#2	8419.6	112910.	6831.4

Sample Name: 48147-1@20 Acquired: 11/11/2013 16:56:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02449**	**1.6612**	**.12804**	RW **24.071**	**.04103**	**-.00018**	**-.00194**	**16.926**	**.00159**	**.01544**
Stddev	.00049	.0039	.00152	.005	.00040	.00019	.00133	.116	.00020	.00001
%RSD	1.9875	.23299	1.1846	.02047	.98591	110.45	68.300	.68666	12.477	.06742
#1	.02483	1.6585	.12911	24.074	.04132	-.00004	-.00100	16.844	.00145	.01543
#2	.02414	1.6639	.12697	24.067	.04075	-.00031	-.00288	17.008	.00173	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19902**	**.00291**	**31.036**	F **501.60**	**1.1923**	**366.42**	**1.1815**	**.09458**	RW **5959.0**	**.48014**
Stddev	.00049	.00038	.303	4.86	.0095	4.32	.0003	.00098	29.2	.00183
%RSD	.24393	13.075	.97778	.96847	.79953	1.1791	.02321	1.0349	.49002	.38176
#1	.19936	.00318	30.821	498.17	1.1855	369.47	1.1813	.09527	5938.3	.48143
#2	.19868	.00264	31.251	505.04	1.1990	363.36	1.1817	.09388	5979.6	.47884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.861**	**.00233**	F **2439.3**	**.02110**	**.02927**	**1.8353**	**3.9276**	**.01130**	**.24790**	**-.00192**
Stddev	.006	.00116	3.8	.00003	.00435	.0116	.0249	.00034	.00076	.00300
%RSD	.03854	49.793	.15728	.11936	14.872	.63270	.63270	3.0276	.30807	156.13
#1	15.865	.00315	2436.6	.02112	.03235	1.8271	3.9100	.01154	.24736	-.00404
#2	15.856	.00151	2442.0	.02108	.02619	1.8435	3.9451	.01106	.24844	.00020
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02455**	**-.00174**	**.10047**	**.30435**	**.22505**	**.00804**
Stddev	.00001	.00147	.01719	.00002	.00196	.00038
%RSD	.05551	84.655	17.112	.00628	.87093	4.6935
#1	.02454	-.00278	.11263	.30436	.22643	.00831
#2	.02456	-.00070	.08832	.30433	.22366	.00778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6380.3**	**82263.**	**6414.9**
Stddev	6.2	301.	60.4
%RSD	.09744	.36644	.94106
#1	6375.9	82050.	6457.6
#2	6384.7	82476.	6372.2

Sample Name: 48147-2@20 Acquired: 11/11/2013 16:59:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00156**	k **.74129**	k **.18883**	W **32.137**	k **.03307**	k **.00006**	k **.00984**	**10.235**	k **.00212**	k **.02125**
Stddev	.00020	.00088	.00243	.034	.00008	.00003	.00095	.049	.00012	.00015
%RSD	12.509	.11921	1.2847	.10662	.24372	47.745	9.6763	.47633	5.7924	.69384
#1	k .00170	k .74191	k .19054	k 32.161	k .03301	k .00004	k .01051	10.200	k .00203	k .02135
#2	k .00143	k .74066	k .18711	k 32.113	k .03313	k .00008	k .00916	10.269	k .00220	k .02115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.17751**	k **.00343**	k **41.776**	F **560.75**	k **1.4080**	kW **545.69**	k **1.8439**	k **.10136**	RW **5833.0**	k **.88022**
Stddev	.00044	.00011	.029	4.51	.0112	.96	.0057	.00087	34.3	.00105
%RSD	.25006	3.3228	.07016	.80450	.79770	.17610	.30683	.86114	.58884	.11874
#1	k .17782	k .00351	k 41.755	557.56	k 1.4001	k 546.37	k 1.8479	k .10198	5808.7	k .88096
#2	k .17720	k .00335	k 41.797	563.94	k 1.4160	k 545.01	k 1.8399	k .10075	5857.3	k .87948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00		500.00			500.00	
Low Limit				-2.0000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **16.455**	k **.00110**	kF **2812.6**	k **.03280**	k **.03655**	k **2.0344**	k **4.3536**	k **.01168**	**.13934**	k **.02883**
Stddev	.034	.00011	6.0	.00128	.00457	.0095	.0203	.00022	.00093	.00063
%RSD	.20902	9.6726	.21418	3.8896	12.510	.46639	.46639	1.8490	.66553	2.1796
#1	k 16.480	k .00117	k 2816.9	k .03190	k .03978	k 2.0277	k 4.3393	k .01152	.13869	k .02927
#2	k 16.431	k .00102	k 2808.3	k .03370	k .03332	k 2.0411	k 4.3680	k .01183	.14000	k .02838
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01368**	kW **-.01439**	k **.04204**	k **.65631**	k **.34486**	k **.00644**
Stddev	.00039	.00132	.03058	.00183	.00101	.00090
%RSD	2.8571	9.1777	72.749	.27916	.29235	14.056
#1	k .01341	k -.01533	k .02041	k .65760	k .34557	k .00708
#2	k .01396	k -.01346	k .06366	k .65501	k .34415	k .00580
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000				
Low Limit		-.01000				

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6202.0**	**79449.**	**6243.5**
Stddev	7.2	49.	43.7
%RSD	.11598	.06153	.69968
#1	6197.0	79415.	6274.4
#2	6207.1	79484.	6212.7

Sample Name: 280-48773-c-4-a@10 Acquired: 11/11/2013 17:02:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00474**	**.00274**	**.16710**	**.00173**	**-.00001**	**.00097**	**5.5818**	**-.00009**	**.00018**
Stddev	.00011	.00004	.00344	.00771	.00008	.00003	.00247	.0473	.00011	.00018
%RSD	187.45	.74573	125.45	4.6144	4.5747	253.22	253.44	.84816	122.19	98.234
#1	-.00002	.00476	.00031	.17256	.00179	-.00003	.00272	5.5483	-.00001	.00031
#2	.00013	.00471	.00518	.16165	.00168	.00001	-.00077	5.6153	-.00016	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00054**	**.01936**	**1.1811**	**.00529**	**1.1816**	**.01397**	**.00285**	**93.033**	**.00660**
Stddev	.00010	.00008	.00152	.0335	.00075	.0129	.00004	.00038	.441	.00098
%RSD	120.74	13.976	7.8431	2.8331	14.097	1.0922	.27668	13.314	.47455	14.870
#1	.00016	.00059	.02043	1.2048	.00476	1.1725	.01394	.00258	92.721	.00591
#2	.00001	.00049	.01829	1.1575	.00582	1.1907	.01400	.00312	93.346	.00730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00015**	**40.416**	**.00039**	**-.00060**	**.48279**	**1.0332**	**.00269**	**.13395**	**.00100**
Stddev	.00007	.00096	1.390	.00134	.00070	.00897	.0192	.00045	.00145	.00059
%RSD	12.672	633.43	3.4400	347.42	116.64	1.8580	1.8580	16.714	1.0859	59.531
#1	.00063	-.00053	41.399	.00134	-.00010	.47644	1.0196	.00237	.13292	.00142
#2	.00053	.00083	39.433	-.00056	-.00109	.48913	1.0467	.00301	.13498	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00063**	**-.00904**	**.00067**	**.00619**	**.00208**
Stddev	.00033	.00002	.01521	.00013	.00029	.00241
%RSD	56.040	3.6690	168.28	19.862	4.6764	116.08
#1	-.00082	.00061	.00172	.00058	.00599	.00378
#2	-.00035	.00065	-.01979	.00076	.00640	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7959.2**	**103630.**	**6564.9**
Stddev	113.6	350.	42.9
%RSD	1.4266	.33808	.65284
#1	7878.9	103380.	6595.3
#2	8039.5	103870.	6534.6

Sample Name: 280-48773-c-5-a@10 Acquired: 11/11/2013 17:04:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00492**	**.00270**	**.20515**	**.00144**	**.00000**	**.00135**	**8.5958**	**.00006**	**.00022**
Stddev	.00027	.00028	.00018	.00228	.00054	.00005	.00081	.0330	.00024	.00022
%RSD	64.724	5.6955	6.7313	1.1091	37.128	2525.2	60.321	.38388	440.38	101.83
#1	.00023	.00472	.00257	.20675	.00106	.00004	.00077	8.5724	.00023	.00038
#2	.00061	.00512	.00283	.20354	.00182	-.00004	.00192	8.6191	-.00012	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00041**	**.01297**	**.66485**	**.00900**	**1.6995**	**.01583**	**.00138**	**124.13**	**.00132**
Stddev	.00001	.00009	.00007	.00118	.00315	.1103	.00037	.00022	.72	.00021
%RSD	6.5161	20.688	.57599	.17737	35.037	6.4910	2.3320	15.941	.57856	15.979
#1	.00021	.00047	.01303	.66569	.00677	1.6215	.01557	.00123	123.62	.00117
#2	.00019	.00035	.01292	.66402	.01123	1.7775	.01609	.00154	124.64	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.00043**	**49.733**	**-.00046**	**.00512**	**.60714**	**1.2993**	**.00216**	**.23652**	**-.00221**
Stddev	.00061	.00077	.210	.00099	.00267	.00182	.0039	.00062	.00096	.00169
%RSD	15.440	178.15	.42155	215.31	52.212	.30002	.30002	28.487	.40455	76.367
#1	.00437	-.00097	49.881	-.00116	.00701	.60585	1.2965	.00259	.23585	-.00102
#2	.00351	.00011	49.584	.00024	.00323	.60843	1.3020	.00172	.23720	-.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00042**	**.01927**	**.00055**	**.00537**	**.00178**
Stddev	.00003	.00057	.04999	.00002	.00013	.00193
%RSD	9.0052	136.38	259.43	3.9509	2.3837	108.79
#1	-.00033	.00001	-.01608	.00057	.00546	.00314
#2	-.00037	.00082	.05462	.00054	.00527	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7993.1**	**105940.**	**6652.3**
Stddev	45.1	264.	89.5
%RSD	.56437	.24947	1.3461
#1	8025.0	105750.	6715.6
#2	7961.2	106120.	6589.0

Sample Name: 280-48773-c-6-a@10 Acquired: 11/11/2013 17:07:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00819**	**.00068**	**.21313**	**.00116**	**-.00009**	**.00075**	**3.0396**	**-.00008**	**.00006**
Stddev	.00016	.00011	.00060	.00034	.00009	.00011	.00112	.0129	.00002	.00019
%RSD	1110.0	1.3526	88.089	.15895	7.6732	122.88	149.09	.42409	22.939	315.63
#1	.00013	.00827	.00111	.21337	.00122	-.00016	-.00004	3.0305	-.00009	-.00007
#2	-.00010	.00812	.00026	.21289	.00110	-.00001	.00155	3.0487	-.00007	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00026**	**.01558**	**.53802**	**.02911**	**.55259**	**.00028**	**.00088**	**91.843**	**.00041**
Stddev	.00007	.00003	.00400	.00308	.00118	.00278	.00001	.00012	.299	.00041
%RSD	51.879	10.161	25.673	.57336	4.0655	.50385	2.0876	13.869	.32548	100.15
#1	.00018	.00024	.01841	.54020	.02995	.55063	.00027	.00079	91.632	.00012
#2	.00008	.00028	.01276	.53584	.02827	.55456	.00028	.00096	92.055	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.00014**	**42.430**	**-.00172**	**.00789**	**.40839**	**.87395**	**.00257**	**.21028**	**-.00065**
Stddev	.00149	.00061	.054	.00131	.00104	.01027	.02198	.00077	.00038	.00016
%RSD	88.723	437.55	.12811	76.243	13.140	2.5149	2.5149	29.891	.18220	24.855
#1	.00063	-.00029	42.392	-.00079	.00863	.40112	.85841	.00203	.21001	-.00077
#2	.00273	.00057	42.469	-.00265	.00716	.41565	.88949	.00312	.21055	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.00086**	**.01940**	**.00224**	**.00528**	**-.00113**
Stddev	.00002	.00047	.03177	.00039	.00044	.00392
%RSD	2.9211	53.911	163.72	17.455	8.4279	348.04
#1	-.00075	.00053	-.00306	.00251	.00496	.00165
#2	-.00078	.00119	.04187	.00196	.00559	-.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.5**	**105790.**	**6595.5**
Stddev	10.8	485.	49.4
%RSD	.13532	.45857	.74946
#1	8005.8	105450.	6630.5
#2	8021.2	106140.	6560.6

Sample Name: 280-48773-c-7-a@10 Acquired: 11/11/2013 17:09:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00740**	**.00281**	**.16725**	**.00122**	**-.00009**	**-.00169**	**2.2149**	**.00001**	**.00012**
Stddev	.00017	.00011	.00156	.00060	.00026	.00010	.00311	.0033	.00019	.00023
%RSD	35.530	1.5466	55.457	.36012	21.567	116.99	184.16	.14823	2657.3	185.96
#1	-.00059	.00748	.00171	.16767	.00103	-.00016	-.00389	2.2172	.00014	-.00004
#2	-.00035	.00732	.00391	.16682	.00140	-.00002	.00051	2.2126	-.00012	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00016**	**.01773**	**.47352**	**.04459**	**.26094**	**.00022**	**.00030**	**103.59**	**.00063**
Stddev	.00014	.00011	.00072	.01350	.00061	.00017	.00002	.00005	.49	.00036
%RSD	277.01	69.093	4.0531	2.8514	1.3692	.06644	10.900	16.721	.47391	57.785
#1	.00015	.00008	.01722	.48307	.04416	.26082	.00023	.00034	103.94	.00089
#2	-.00005	.00024	.01824	.46398	.04502	.26106	.00020	.00027	103.24	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00013**	**38.996**	**-.00092**	**.00604**	**.43989**	**.94135**	**.00281**	**.16763**	**-.00044**
Stddev	.00109	.00027	.106	.00036	.00289	.01927	.04124	.00077	.00115	.00199
%RSD	604.33	208.05	.27176	38.980	47.770	4.3809	4.3809	27.463	.68408	452.21
#1	-.00059	-.00006	38.921	-.00067	.00808	.42626	.91219	.00336	.16845	-.00185
#2	.00095	.00033	39.071	-.00118	.00400	.45351	.97052	.00226	.16682	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00090**	**-.01588**	**.00435**	**.00573**	**.00264**
Stddev	.00048	.00013	.04863	.00003	.00025	.00202
%RSD	95.928	14.619	306.27	.64269	4.4035	76.393
#1	-.00084	.00081	.01851	.00433	.00555	.00407
#2	-.00016	.00100	-.05027	.00437	.00591	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.7**	**105510.**	**6558.9**
Stddev	1.8	472.	24.6
%RSD	.02243	.44782	.37468
#1	7972.5	105840.	6541.5
#2	7975.0	105180.	6576.3

Sample Name: 280-48773-c-8-a@10 Acquired: 11/11/2013 17:11:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00568**	**.00344**	**.15059**	**.00146**	**-.00007**	**.00070**	**5.0848**	**.00007**	**-.00007**
Stddev	.00031	.00023	.00233	.00025	.00000	.00011	.00347	.0171	.00018	.00004
%RSD	162.84	3.9765	67.928	.16526	.22443	156.65	493.89	.33582	253.90	47.835
#1	.00003	.00552	.00509	.15041	.00146	-.00014	-.00175	5.0727	-.00006	-.00005
#2	-.00041	.00584	.00179	.15076	.00146	.00001	.00315	5.0969	.00020	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00007**	**.01737**	**.34800**	**.01318**	**1.1114**	**.00077**	**.00015**	**96.626**	**.00022**
Stddev	.00006	.00036	.00183	.02996	.00015	.0005	.00004	.00004	.074	.00017
%RSD	454.49	550.61	10.548	8.6106	1.1443	.04534	4.7826	24.828	.07612	76.263
#1	-.00003	.00032	.01607	.32681	.01328	1.1110	.00074	.00018	96.678	.00010
#2	.00005	-.00019	.01866	.36919	.01307	1.1117	.00079	.00013	96.574	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**-.00009**	**35.709**	**.00041**	**.00691**	**.43576**	**.93252**	**.00221**	**.17464**	**.00072**
Stddev	.00076	.00117	.158	.00022	.00072	.02083	.04458	.00037	.00022	.00021
%RSD	33.218	1355.1	.44137	53.520	10.473	4.7807	4.7807	16.817	.12671	29.148
#1	.00176	.00074	35.598	.00056	.00742	.42103	.90099	.00195	.17480	.00057
#2	.00283	-.00091	35.820	.00025	.00640	.45049	.96404	.00248	.17449	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00129**	**.00140**	**.00064**	**.00632**	**.00106**
Stddev	.00024	.00027	.05746	.00004	.00047	.00066
%RSD	35.042	21.269	4114.4	6.8645	7.4696	61.979
#1	-.00052	.00109	.04202	.00067	.00665	.00152
#2	-.00087	.00148	-.03923	.00061	.00598	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7922.0**	**105090.**	**6504.9**
Stddev	5.6	524.	40.7
%RSD	.07069	.49837	.62608
#1	7926.0	104720.	6476.1
#2	7918.1	105460.	6533.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 17:13:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00669**	**51.251**	**.00128**	**.01579**	**-.00008**	**-.00004**	**1.0366**	**.01823**	**-.00027**	**-.00025**	**-.00003**	**.01077**	**50.830**
Stddev	.00001	.092	.00071	.00014	.00036	.00010	.0021	.00077	.00011	.00028	.00002	.00006	.027
%RSD	.22416	.17881	55.401	.89259	439.56	276.68	.20011	4.2425	40.587	110.92	73.041	.55464	.05220
#1	.00670	51.316	.00178	.01589	.00017	.00003	1.0351	.01768	-.00019	-.00005	-.00001	.01072	50.849
#2	.00668	51.187	.00078	.01569	-.00033	-.00010	1.0381	.01878	-.00034	-.00045	-.00005	.01081	50.811
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30542**	**.00077**	**.08171**	**.00064**	**.00007**	**255.22**	**.00002**	**-.00068**	**.00126**	F **7.6061**	**-.00111**	**-.00242**	**.00533**
Stddev	.01643	.00035	.00119	.00006	.00040	.16	.00006	.00027	.00186	.0663	.00279	.00016	.02242
%RSD	5.3807	45.588	1.4568	9.2996	615.49	.06183	269.48	39.968	147.17	.87178	250.62	6.5470	420.40
#1	.29380	.00102	.08086	.00059	-.00022	255.11	-.00002	-.00049	-.00005	7.5593	-.00308	-.00254	.02119
#2	.31704	.00052	.08255	.00068	.00035	255.33	.00006	-.00088	.00257	7.6530	.00086	-.00231	-.01052
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**-.00040**	**.00034**	**5.0224**	**-.01214**	**.00169**	F **6.2212**	**.00138**	**.00042**	**.05348**
Stddev	.04798	.00063	.00004	.0013	.00026	.00075	.0227	.00001	.00035	.00085
%RSD	420.40	158.18	12.571	.02628	2.1445	44.567	.36536	.73909	83.056	1.5883
#1	.04534	-.00084	.00037	5.0234	-.01233	.00222	6.2373	.00137	.00017	.05408
#2	-.02251	.00005	.00031	5.0215	-.01196	.00116	6.2051	.00139	.00067	.05288
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7881.9**	**103260.**	**6529.7**
Stddev	21.6	279.	37.4
%RSD	.27423	.27011	.57316
#1	7897.2	103060.	6556.2
#2	7866.7	103450.	6503.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 17:16:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49789**	**.52379**	**.99373**	**.50865**	**.50310**	**.49473**	**.00008**	**5.0626**	**.50005**	**.50806**	**.50505**	**.50189**	**2.5014**
Stddev	.00025	.00832	.00222	.00063	.00012	.00031	.00165	.0044	.00046	.00038	.00003	.00032	.0008
%RSD	.05015	1.5892	.22353	.12460	.02476	.06281	1973.6	.08748	.09275	.07519	.00676	.06394	.03184
#1	.49771	.52968	.99530	.50820	.50319	.49451	.00125	5.0594	.50037	.50779	.50507	.50166	2.5020
#2	.49806	.51790	.99216	.50910	.50301	.49494	-.00108	5.0657	.49972	.50833	.50502	.50211	2.5009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.390**	**.99890**	**19.930**	**.50336**	**.50871**	F **5.5579**	**.50833**	**.99553**	**1.0312**	**2.3249**	**1.0001**	**.99265**	**4.9436**
Stddev	.006	.00185	.045	.00068	.00005	.0259	.00092	.00255	.0009	.0104	.0031	.00324	.0194
%RSD	.01123	.18557	.22403	.13454	.00955	.46602	.18096	.25648	.08442	.44714	.30819	.32630	.39311
#1	50.386	1.0002	19.962	.50384	.50874	5.5762	.50898	.99373	1.0305	2.3175	1.0023	.99036	4.9574
#2	50.394	.99759	19.899	.50288	.50867	5.5395	.50768	.99734	1.0318	2.3322	.99791	.99494	4.9299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.579**	**1.0144**	**.49974**	**-.00219**	**.50030**	**1.0289**	**-.00596**	**.49980**	**.50401**	**.50092**
Stddev	.042	.0046	.00078	.00103	.00033	.0013	.00758	.00044	.00114	.00474
%RSD	.39311	.45009	.15664	47.264	.06634	.12943	127.16	.08789	.22594	.94621
#1	10.609	1.0176	.50029	-.00292	.50053	1.0298	-.01132	.50011	.50482	.49757
#2	10.550	1.0111	.49918	-.00146	.50006	1.0280	-.00060	.49949	.50321	.50427
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8030.4**	**106210.**	**6538.2**
Stddev	31.5	565.	8.5
%RSD	.39251	.53194	.13004
#1	8008.1	105810.	6544.2
#2	8052.7	106610.	6532.2

Sample Name: X Acquired: 11/11/2013 17:18:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00280**	**.00127**	F **.01089**	**.00003**	**-.00001**	**.00029**	**.00571**	**.00005**	**.00029**	**.00015**	**-.00049**
Stddev	.00011	.00173	.00376	.00028	.00013	.00015	.00298	.00277	.00013	.00001	.00013	.00015
%RSD	12.899	61.865	296.56	2.5838	458.01	2060.0	1017.1	48.463	270.37	3.0719	86.815	29.450
#1	.00075	-.00158	.00393	.01109	-.00006	-.00011	-.00181	.00767	-.00004	.00030	.00024	-.00060
#2	.00091	-.00403	-.00139	.01069	.00012	.00010	.00240	.00375	.00014	.00029	.00006	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.16545**	**-.00088**	**.00406**	**.00012**	**.00036**	F **.34461**	**.00041**	**-.00393**	**.00034**	F **2.3145**	F **.00637**
Stddev	.00179	.03314	.00278	.00099	.00007	.00041	.00513	.00052	.00044	.00055	.0125	.00137
%RSD	418.66	20.031	315.53	24.395	62.821	114.25	1.4874	127.26	11.225	160.86	.53834	21.560
#1	-.00169	.14201	.00109	.00476	.00006	.00007	.34823	.00077	-.00362	-.00005	2.3057	.00540
#2	.00084	.18888	-.00285	.00336	.00017	.00065	.34099	.00004	-.00424	.00073	2.3233	.00734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.18320				.20000	.00628
Low Limit							-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**-.00123**	**-.00263**	**.00014**	**.00021**	**.00270**	**-.00051**	**-.00008**	**-.02614**	**.00072**	**.00276**	W **.00268**
Stddev	.00013	.01718	.03677	.00050	.00003	.00097	.00011	.00013	.01366	.00077	.00042	.00061
%RSD	6.3313	1396.5	1396.5	354.76	14.445	35.997	20.634	158.31	52.241	107.41	15.329	22.773
#1	.00212	-.01338	-.02864	.00049	.00023	.00339	-.00044	-.00018	-.01649	.00017	.00246	.00312
#2	.00194	.01092	.02337	-.00021	.00019	.00201	-.00059	.00001	-.03580	.00127	.00306	.00225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8069.7**	**108710.**	**6496.3**
Stddev	5.9	246.	37.1
%RSD	.07278	.22599	.57089
#1	8065.5	108880.	6470.1
#2	8073.8	108530.	6522.5

Sample Name: CCVL-2372865 Acquired: 11/11/2013 17:20:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.10689**	**.01502**	**.11054**	**.01075**	**.00111**	**.12428**	**.21854**	**.00544**	**.01127**	**.01080**	**.01556**	**.10372**
Stddev	.00021	.00026	.00010	.00014	.00033	.00004	.00240	.00470	.00017	.00002	.00006	.00016	.00071
%RSD	1.9172	.24121	.63681	.12996	3.0508	3.7830	1.9313	2.1491	3.0378	.16599	.52388	1.0570	.68029
#1	.01057	.10707	.01508	.11044	.01098	.00108	.12258	.21521	.00532	.01126	.01084	.01545	.10322
#2	.01086	.10671	.01495	.11064	.01051	.00114	.12598	.22186	.00556	.01128	.01076	.01568	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2727**	F **.00608**	**.21507**	**.01063**	**.02064**	F **1.3936**	**.04378**	**2.9952**	**.00978**	**2.0674**	**.00993**	**.01584**	**.51483**
Stddev	.0347	.00218	.00096	.00004	.00024	.0190	.00001	.0040	.00066	.0163	.00110	.00175	.01596
%RSD	1.0603	35.923	.44821	.38115	1.1699	1.3612	.02821	.13180	6.7798	.78960	11.096	11.027	3.1010
#1	3.2482	.00453	.21575	.01066	.02047	1.4070	.04377	2.9924	.01025	2.0558	.01070	.01708	.52612
#2	3.2973	.00762	.21439	.01060	.02081	1.3802	.04379	2.9980	.00931	2.0789	.00915	.01461	.50354
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		-30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1017**	**.10645**	**.01060**	**.01552**	**.00953**	**.01762**	**.07163**	**.01072**	**.02325**	**.01783**
Stddev	.0342	.00072	.00003	.00112	.00028	.00006	.02977	.00010	.00012	.00110
%RSD	3.1010	.68045	.24690	7.2375	2.9331	.34704	41.565	.94119	.51767	6.1900
#1	1.1259	.10697	.01059	.01473	.00933	.01758	.05058	.01065	.02317	.01861
#2	1.0776	.10594	.01062	.01632	.00973	.01767	.09268	.01079	.02334	.01704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8227.8**	**110520.**	**6557.6**
Stddev	10.4	290.	1.8
%RSD	.12647	.26226	.02805
#1	8235.2	110310.	6558.9
#2	8220.5	110720.	6556.3

Sample Name: CCB Acquired: 11/11/2013 17:24:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00449**	**.00171**	F **.00806**	**.00004**	**.00003**	**.00307**	**-.00293**	**-.00007**	**.00019**	**-.00006**
Stddev	.00022	.00016	.00173	.00085	.00012	.00002	.00219	.00307	.00017	.00013	.00006
%RSD	310.65	3.5511	101.05	10.571	287.76	83.276	71.399	104.84	260.55	69.309	112.33
#1	.00008	-.00461	.00049	.00866	-.00004	.00001	.00152	-.00076	.00005	.00010	-.00010
#2	-.00022	-.00438	.00294	.00746	.00012	.00004	.00462	-.00510	-.00019	.00029	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00377**	**.04205**	**-.00115**	**.00086**	**-.00003**	**-.00003**	F **.25151**	**.00049**	**-.00292**	**.00063**
Stddev	.00045	.00232	.02133	.00254	.00043	.00004	.00011	.00877	.00010	.00198	.00040
%RSD	167.66	61.480	50.731	221.11	49.638	121.73	309.03	3.4870	19.800	67.868	64.036
#1	.00005	-.00213	.02697	-.00294	.00056	-.00006	-.00011	.25772	.00042	-.00432	.00035
#2	-.00059	-.00541	.05714	.00065	.00116	.00000	.00004	.24531	.00056	-.00152	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.8385**	**-.00033**	**.00071**	**.03129**	**.06697**	**-.00030**	**.00006**	**.00064**	W **-.00063**	**.00042**	**-.03721**
Stddev	.0086	.00144	.00147	.00075	.00161	.00055	.00004	.00000	.00007	.00080	.00590
%RSD	.46611	436.40	206.19	2.4018	2.4018	184.87	63.878	.10973	10.912	190.38	15.870
#1	1.8445	.00069	.00175	.03182	.06810	.00009	.00003	.00064	-.00068	.00099	-.04138
#2	1.8324	-.00135	-.00033	.03076	.06583	-.00069	.00008	.00064	-.00059	-.00015	-.03303
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.20000								.00060		
Low Limit	-.20000								-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00031**	**-.00018**	**-.00034**
Stddev	.00026	.00015	.00245
%RSD	83.411	87.633	718.99
#1	.00013	-.00028	.00139
#2	.00049	-.00007	-.00207
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8114.9**	**109500.**	**6537.9**
Stddev	15.6	421.	1.6
%RSD	.19221	.38470	.02437
#1	8125.9	109210.	6536.8
#2	8103.9	109800.	6539.0

Sample Name: mb 280-199584/1-a Acquired: 11/11/2013 17:32:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00056**	**.00229**	**.00822**	**.00005**	**.00003**	**.00118**	**.04984**	**.00005**	**.00019**
Stddev	.00037	.00006	.00013	.00036	.00034	.00001	.00010	.00377	.00000	.00010
%RSD	77.052	10.492	5.7314	4.4320	630.42	15.433	8.4532	7.5570	8.2181	54.930
#1	.00022	.00061	.00239	.00797	.00030	.00003	.00111	.04717	.00006	.00012
#2	.00075	.00052	.00220	.00848	-.00019	.00004	.00126	.05250	.00005	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00003**	**.00993**	**.09223**	**-.00043**	**.00667**	**.00024**	**.00024**	F **1.2188**	**.00048**
Stddev	.00012	.00003	.00314	.00960	.00004	.00062	.00000	.00003	.0102	.00000
%RSD	126.03	78.768	31.635	10.404	8.2000	9.3328	1.6643	13.603	.83494	.10089
#1	.00001	-.00005	.01215	.08545	-.00040	.00711	.00024	.00021	1.2260	.00048
#2	.00017	-.00002	.00771	.09902	-.00045	.00623	.00024	.00026	1.2116	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00567**	**.00099**	F **2.2500**	**-.00097**	**.00123**	**.04375**	**.09362**	**.00050**	**.00246**	**-.00057**
Stddev	.00052	.00062	.0155	.00004	.00128	.01142	.02443	.00070	.00009	.00189
%RSD	9.0957	62.295	.68648	4.5439	103.79	26.094	26.094	140.64	3.5699	332.98
#1	.00530	.00055	2.2390	-.00100	.00214	.05182	.11090	.00099	.00240	-.00190
#2	.00603	.00143	2.2609	-.00094	.00033	.03568	.07635	.00000	.00252	.00077
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00080**	**-.00145**	**-.00017**	**.00212**	**.00282**
Stddev	.00019	.00049	.05794	.00000	.00009	.00011
%RSD	105.29	61.015	4009.1	.29369	4.0617	3.8778
#1	-.00005	-.00046	-.04241	-.00017	.00206	.00289
#2	-.00031	-.00115	.03952	-.00017	.00218	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8154.5**	**110600.**	**6563.9**
Stddev	2.8	324.	15.9
%RSD	.03476	.29256	.24205
#1	8152.5	110370.	6552.7
#2	8156.5	110830.	6575.1

Sample Name: lcs 280-199584/2-a Acquired: 11/11/2013 17:34:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04895**	**1.9717**	**.98196**	**.99001**	**2.0307**	**.05025**	**2.1873**	**49.659**	**.10360**	**.49155**
Stddev	.00060	.0012	.00003	.00160	.0184	.00069	.0024	.545	.00035	.00010
%RSD	1.2185	.06161	.00343	.16133	.90370	1.3803	.10895	1.0971	.34067	.02004
#1	.04938	1.9708	.98199	.99114	2.0177	.04976	2.1890	49.273	.10385	.49162
#2	.04853	1.9725	.98194	.98888	2.0436	.05074	2.1856	50.044	.10335	.49148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20321**	**.25184**	**1.0177**	**51.203**	**1.0156**	**49.620**	**.49452**	**1.0188**	**52.368**	**.49583**
Stddev	.00019	.00035	.0199	.560	.0067	.006	.00080	.0001	.041	.00017
%RSD	.09209	.13892	1.9529	1.0946	.65956	.01245	.16211	.01107	.07900	.03517
#1	.20334	.25209	1.0037	50.806	1.0109	49.615	.49396	1.0189	52.398	.49595
#2	.20308	.25159	1.0318	51.599	1.0203	49.624	.49509	1.0188	52.339	.49570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.006**	**.49057**	**1.7965**	**.47539**	**1.9273**	**10.167**	**21.758**	**2.0017**	**1.0109**	**1.0003**
Stddev	.003	.00022	.0148	.00144	.0052	.074	.158	.0000	.0093	.0015
%RSD	.03007	.04448	.82139	.30363	.26970	.72678	.72678	.00137	.92214	.15479
#1	10.008	.49042	1.7860	.47437	1.9310	10.115	21.646	2.0017	1.0044	1.0014
#2	10.004	.49072	1.8069	.47641	1.9237	10.220	21.870	2.0017	1.0175	.99917
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99702**	**1.9181**	**2.1475**	**.50354**	**.49579**	**.51647**
Stddev	.00038	.0069	.0347	.00088	.00022	.00492
%RSD	.03797	.36030	1.6163	.17474	.04378	.95188
#1	.99729	1.9230	2.1720	.50417	.49594	.51299
#2	.99675	1.9132	2.1229	.50292	.49563	.51995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7798.1**	**103940.**	**6461.8**
Stddev	14.1	102.	52.8
%RSD	.18137	.09809	.81775
#1	7808.1	104020.	6499.1
#2	7788.1	103870.	6424.4

Sample Name: 280-48773-c-1-e Acquired: 11/11/2013 17:36:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**1.3708**	**.00327**	**1.1408**	**.04003**	**.00004**	**.00177**	**19.107**	**.00006**	**.00071**
Stddev	.00009	.0030	.00221	.0034	.00047	.00003	.00175	.072	.00002	.00009
%RSD	41.931	.21668	67.495	.29864	1.1662	82.522	98.391	.37537	24.839	12.064
#1	-.00016	1.3729	.00483	1.1432	.03970	.00006	.00054	19.158	.00007	.00077
#2	-.00029	1.3687	.00171	1.1383	.04036	.00002	.00301	19.056	.00005	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00565**	**.69929**	**1.1045**	**.03098**	**7.3043**	**.12261**	**.02902**	W **873.99**	**.00295**
Stddev	.00004	.00051	.00332	.0610	.00034	.0307	.00018	.00018	3.49	.00036
%RSD	4.3143	9.0030	.47507	5.5210	1.0955	.42076	.15032	.63540	.39895	12.171
#1	.00107	.00601	.70164	1.0613	.03074	7.3261	.12274	.02915	876.46	.00320
#2	.00101	.00529	.69694	1.1476	.03122	7.2826	.12248	.02889	871.53	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09355**	**-.00071**	F **230.73**	**-.00069**	**.00042**	**6.9794**	**14.936**	**-.00016**	**.59188**	**-.00381**
Stddev	.00202	.00063	.34	.00258	.00120	.0485	.104	.00003	.00297	.00162
%RSD	2.1590	88.276	.14630	376.23	287.45	.69501	.69501	21.354	.50161	42.520
#1	.09212	-.00027	230.49	.00114	-.00043	7.0137	15.009	-.00013	.59398	-.00266
#2	.09498	-.00116	230.97	-.00251	.00127	6.9451	14.862	-.00018	.58978	-.00496
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00904**	**.00257**	**.05462**	**.00620**	**.00626**	**.00149**
Stddev	.00041	.00046	.01800	.00039	.00023	.00109
%RSD	4.5434	17.820	32.948	6.2262	3.7190	73.255
#1	.00875	.00225	.04189	.00593	.00643	.00072
#2	.00933	.00290	.06734	.00647	.00610	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7440.0**	**96320.**	**6346.3**
Stddev	21.3	259.	25.2
%RSD	.28689	.26891	.39692
#1	7424.9	96137.	6328.5
#2	7455.0	96503.	6364.1

Sample Name: 280-48773-c-1-eSD@5 Acquired: 11/11/2013 17:38:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.30925**	**.00489**	**.23723**	**.00818**	**.00006**	**-.00200**	**3.8845**	**.00009**	**.00033**
Stddev	.00053	.00093	.00077	.00050	.00033	.00006	.00085	.0086	.00015	.00007
%RSD	4160.9	.30173	15.769	.21251	3.9901	97.410	42.695	.22161	164.81	19.836
#1	.00036	.30991	.00434	.23759	.00841	.00002	-.00140	3.8784	.00020	.00029
#2	-.00039	.30860	.00543	.23687	.00795	.00010	-.00260	3.8906	-.00001	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00124**	**.15740**	**.29576**	**.00369**	**1.5369**	**.02468**	**.00564**	**172.64**	**.00110**
Stddev	.00006	.00001	.00226	.01540	.00110	.0807	.00037	.00016	.50	.00006
%RSD	26.955	.49482	1.4333	5.2066	29.822	5.2497	1.4923	2.8031	.28755	5.7861
#1	.00017	.00124	.15580	.30665	.00446	1.5940	.02494	.00553	172.28	.00115
#2	.00026	.00123	.15899	.28487	.00291	1.4799	.02442	.00575	172.99	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01531**	**.00138**	**45.940**	**-.00188**	**.00021**	**1.4286**	**3.0573**	**.00234**	**.11724**	**-.00062**
Stddev	.00116	.00083	.051	.00195	.00215	.0042	.0089	.00046	.00057	.00196
%RSD	7.5594	60.255	.11011	103.64	1004.6	.29236	.29236	19.760	.48258	314.18
#1	.01612	.00197	45.975	-.00326	-.00131	1.4316	3.0636	.00202	.11684	.00076
#2	.01449	.00079	45.904	-.00050	.00174	1.4257	3.0510	.00267	.11764	-.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**.00101**	**.01635**	**.00168**	**.00673**	**.00189**
Stddev	.00027	.00074	.04609	.00094	.00020	.00145
%RSD	8.2244	73.441	281.89	55.886	2.9088	76.488
#1	.00305	.00048	.04894	.00234	.00686	.00087
#2	.00343	.00153	-.01624	.00102	.00659	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7815.1**	**102640.**	**6410.4**
Stddev	20.6	420.	34.3
%RSD	.26368	.40892	.53558
#1	7800.6	102350.	6434.7
#2	7829.7	102940.	6386.1

Sample Name: 280-48773-c-1-f ms Acquired: 11/11/2013 17:41:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**4.3904**	**1.0163**	**2.0483**	**2.0735**	**.04981**	F **2.1210**	**68.326**	**.10558**	**.48843**
Stddev	.00009	.0004	.0035	.0037	.0008	.00020	.0009	.046	.00005	.00090
%RSD	.17270	.00984	.34420	.17983	.03701	.39282	.04079	.06777	.04681	.18515
#1	.05137	4.3907	1.0188	2.0509	2.0730	.04994	2.1217	68.293	.10554	.48907
#2	.05149	4.3901	1.0138	2.0457	2.0741	.04967	2.1204	68.358	.10561	.48779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20060**	**.25842**	**1.8370**	**55.211**	**1.0568**	**55.935**	**.62412**	**1.0301**	W **918.50**	**.49263**
Stddev	.00035	.00018	.0048	.317	.0023	.027	.00012	.0020	.56	.00088
%RSD	.17646	.06864	.25999	.57353	.21617	.04891	.01931	.19356	.06150	.17807
#1	.20085	.25855	1.8336	54.987	1.0585	55.955	.62420	1.0315	918.90	.49325
#2	.20035	.25830	1.8404	55.435	1.0552	55.916	.62403	1.0287	918.10	.49200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.546**	**.46920**	F **229.48**	**.47930**	**1.9789**	**18.471**	**39.528**	**1.9442**	**1.6012**	**1.0268**
Stddev	.017	.00202	.16	.00285	.0005	.020	.042	.0011	.0012	.0010
%RSD	.16099	.43112	.07067	.59370	.02592	.10721	.10721	.05777	.07361	.09547
#1	10.558	.47063	229.60	.48132	1.9785	18.457	39.498	1.9450	1.6004	1.0275
#2	10.534	.46777	229.37	.47729	1.9792	18.485	39.558	1.9434	1.6021	1.0261
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0355**	**1.7281**	**2.0939**	**.52370**	**.52390**	**.52342**
Stddev	.0006	.0014	.0245	.00094	.00006	.00103
%RSD	.06195	.08286	1.1686	.17856	.01214	.19686
#1	1.0360	1.7291	2.0766	.52303	.52395	.52415
#2	1.0351	1.7271	2.1112	.52436	.52386	.52269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7421.1**	**96250.**	**6381.4**
Stddev	17.0	552.	67.9
%RSD	.22885	.57360	1.0639
#1	7409.1	95859.	6429.4
#2	7433.2	96640.	6333.4

Sample Name: 280-48773-c-1-g msd Acquired: 11/11/2013 17:43:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05335**	**4.4784**	**1.0432**	**2.0886**	**2.1100**	**.05091**	F **2.1639**	**69.473**	**.10736**	**.49410**
Stddev	.00002	.0061	.0001	.0001	.0042	.00003	.0041	.201	.00042	.00046
%RSD	.03377	.13534	.01480	.00427	.19760	.05445	.19128	.28902	.39250	.09267
#1	.05334	4.4741	1.0434	2.0885	2.1071	.05093	2.1610	69.331	.10766	.49443
#2	.05336	4.4827	1.0431	2.0887	2.1130	.05089	2.1668	69.615	.10706	.49378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20370**	**.26260**	**1.8824**	**56.514**	**1.0738**	**56.939**	**.63378**	**1.0495**	W **934.76**	**.49899**
Stddev	.00023	.00087	.0029	.224	.0064	.072	.00089	.0008	3.59	.00030
%RSD	.11280	.33058	.15399	.39624	.59269	.12576	.13995	.07880	.38394	.05949
#1	.20354	.26199	1.8844	56.356	1.0693	56.888	.63315	1.0489	932.22	.49920
#2	.20387	.26321	1.8803	56.673	1.0783	56.990	.63441	1.0501	937.30	.49878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.754**	**.47313**	F **233.10**	**.48959**	**2.0210**	**18.822**	**40.279**	**1.9791**	**1.6304**	**1.0461**
Stddev	.002	.00065	.35	.00104	.0075	.142	.305	.0034	.0047	.0004
%RSD	.01683	.13765	.15112	.21340	.36959	.75601	.75601	.17313	.28780	.04049
#1	10.753	.47359	233.35	.48885	2.0262	18.721	40.063	1.9815	1.6271	1.0458
#2	10.755	.47267	232.85	.49032	2.0157	18.922	40.494	1.9767	1.6337	1.0464
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0516**	**1.7524**	**2.1132**	**.53136**	**.53495**	**.53371**
Stddev	.0014	.0032	.0199	.00039	.00231	.00140
%RSD	.13710	.18026	.94200	.07298	.43113	.26212
#1	1.0505	1.7502	2.1273	.53163	.53332	.53272
#2	1.0526	1.7547	2.0991	.53108	.53658	.53470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7483.6**	**95756.**	**6388.1**
Stddev	5.7	291.	25.1
%RSD	.07662	.30387	.39235
#1	7479.5	95962.	6405.8
#2	7487.6	95551.	6370.3

Sample Name: 280-48773-c-1-ePDS Acquired: 11/11/2013 17:45:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**2.3551**	W **2.6931**	**.20619**	**1.2036**	**.14076**	**.04997**	**-.00151**	**38.458**	**.05155**
Stddev	.00071	.0066	.0185	.00231	.0103	.00101	.00098	.00202	.504	.00006
%RSD	1.3835	.28180	.68536	1.1224	.85334	.71804	1.9516	133.81	1.3117	.12323
#1	.05101	2.3598	2.6801	.20456	1.2109	.14005	.04928	-.00294	38.102	.05150
#2	.05201	2.3504	2.7062	.20783	1.1963	.14148	.05066	-.00008	38.815	.05159
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04993**	**.05092**	**.05637**	**1.7291**	**23.065**	**.13623**	**25.921**	**.16912**	**.07469**	W **881.72**
Stddev	.00003	.00011	.00064	.0237	.262	.00517	.055	.00007	.00001	11.28
%RSD	.05632	.22280	1.1389	1.3727	1.1341	3.7951	.21138	.04189	.01921	1.2798
#1	.04991	.05084	.05682	1.7123	22.880	.13257	25.882	.16907	.07470	873.75
#2	.04994	.05100	.05592	1.7459	23.250	.13988	25.960	.16918	.07468	889.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05202**	W **2.2081**	**.09410**	F **227.66**	**.08819**	**.20143**	**11.899**	**25.464**	**.09058**	**.63413**
Stddev	.00035	.0012	.00041	.12	.00103	.00156	.094	.201	.00054	.00806
%RSD	.67467	.05264	.43892	.05335	1.1660	.77657	.79098	.79098	.59294	1.2713
#1	.05227	2.2072	.09381	227.75	.08747	.20032	11.833	25.322	.09096	.62843
#2	.05177	2.2089	.09439	227.58	.08892	.20253	11.966	25.607	.09020	.63983
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000		200.00						
Low Limit		-1.0000		-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19881**	**.07251**	**.17660**	**.51816**	**.05658**	**.21670**	**.05349**
Stddev	.00046	.00300	.00135	.01422	.00004	.00080	.00042
%RSD	.23234	4.1409	.76406	2.7438	.06730	.36943	.78361
#1	.19848	.07463	.17565	.50810	.05656	.21614	.05319
#2	.19914	.07039	.17756	.52821	.05661	.21727	.05378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7551.5**	**98327.**	**6570.9**
Stddev	1.1	540.	4.8
%RSD	.01399	.54899	.07300
#1	7552.2	98709.	6574.3
#2	7550.7	97945.	6567.5

Sample Name: CCVH-2372891 Acquired: 11/11/2013 17:47:50 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00749**	**51.628**	**.00221**	**.00879**	**.00021**	**-.00008**	**1.0495**	**.03928**	**-.00030**	**-.00019**	**.00010**	**.01140**	**51.236**
Stddev	.00037	.038	.00091	.00097	.00006	.00004	.0005	.00092	.00017	.00008	.00003	.00029	.039
%RSD	4.9046	.07283	41.080	11.043	29.551	53.200	.04622	2.3371	57.439	41.701	33.803	2.5744	.07671
#1	.00775	51.601	.00157	.00948	.00017	-.00011	1.0492	.03863	-.00018	-.00013	.00008	.01160	51.209
#2	.00723	51.655	.00286	.00811	.00026	-.00005	1.0499	.03993	-.00042	-.00025	.00013	.01119	51.264
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37072**	**.00067**	**.09654**	**.00077**	**.00028**	**259.42**	**-.00048**	**-.00042**	**.00023**	F **6.7776**	**.00025**	**-.00283**	**.00313**
Stddev	.01974	.00123	.00295	.00001	.00022	.04	.00000	.00083	.00002	.0082	.00185	.00001	.00316
%RSD	5.3243	184.12	3.0604	1.7110	77.156	.01530	.88486	198.05	10.729	.12144	728.22	.48579	100.96
#1	.38468	.00154	.09863	.00076	.00013	259.45	-.00048	-.00101	.00021	6.7718	.00156	-.00282	.00536
#2	.35677	-.00020	.09445	.00077	.00043	259.39	-.00047	.00017	.00025	6.7834	-.00105	-.00284	.00089
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00669**	**.00032**	**.00072**	**5.0002**	**-.01233**	**.00186**	F **6.2226**	**.00195**	**.00107**	**.05833**
Stddev	.00675	.00009	.00004	.0132	.00041	.00052	.0573	.00070	.00068	.00013
%RSD	100.96	29.519	5.0864	.26296	3.3555	28.041	.92150	35.709	63.520	.22556
#1	.01146	.00038	.00075	4.9909	-.01262	.00149	6.2631	.00244	.00059	.05824
#2	.00191	.00025	.00070	5.0095	-.01204	.00222	6.1820	.00146	.00155	.05843
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8005.6**	**105470.**	**6601.0**
Stddev	4.2	205.	39.0
%RSD	.05213	.19451	.59018
#1	8002.7	105320.	6628.5
#2	8008.6	105610.	6573.4

Sample Name: CCV-2372889 Acquired: 11/11/2013 17:50:13 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49779**	**.51767**	**.99526**	**.50363**	**.50194**	**.49425**	**-.00174**	**5.0787**	**.49972**	**.50788**	**.50534**	**.50246**	**2.4863**
Stddev	.00083	.00192	.00350	.00039	.00238	.00143	.00031	.0063	.00073	.00008	.00015	.00157	.0033
%RSD	.16729	.37001	.35184	.07798	.47427	.29026	17.764	.12489	.14701	.01580	.02979	.31297	.13421
#1	.49721	.51631	.99279	.50335	.50026	.49324	-.00195	5.0743	.49920	.50794	.50544	.50135	2.4886
#2	.49838	.51902	.99774	.50391	.50362	.49526	-.00152	5.0832	.50024	.50783	.50523	.50357	2.4839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.516**	**.99917**	**19.929**	**.50122**	**.50616**	F **5.6070**	**.50913**	**.98888**	**1.0237**	**1.4800**	**.99231**	**.99176**	**4.9862**
Stddev	.085	.00603	.016	.00023	.00034	.0257	.00034	.00233	.0007	.0044	.00320	.00055	.0033
%RSD	.16924	.60316	.08002	.04665	.06671	.45814	.06659	.23560	.06600	.29525	.32263	.05594	.06624
#1	50.456	.99491	19.940	.50106	.50640	5.6251	.50889	.99053	1.0242	1.4831	.99004	.99137	4.9839
#2	50.577	1.0034	19.918	.50139	.50592	5.5888	.50937	.98724	1.0232	1.4769	.99457	.99215	4.9886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0105**	**.49968**	**-.00343**	**.49722**	**1.0194**	**-.02065**	**.49951**	**.50390**	**.50369**
Stddev	.007	.0014	.00196	.00110	.00110	.0013	.01015	.00140	.00409	.00591
%RSD	.06624	.13713	.39145	32.207	.22050	.12664	49.122	.28025	.81084	1.1738
#1	10.666	1.0095	.49830	-.00265	.49645	1.0203	-.02783	.49852	.50679	.49951
#2	10.676	1.0115	.50106	-.00421	.49800	1.0185	-.01348	.50050	.50101	.50787
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8054.7**	**107600.**	**6585.6**
Stddev	5.0	39.	58.7
%RSD	.06217	.03604	.89187
#1	8058.3	107630.	6544.1
#2	8051.2	107570.	6627.2

Sample Name: CCB Acquired: 11/11/2013 17:52:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00482**	**-.00020**	W **.00578**	**-.00014**	**-.00001**	**-.00029**	**.00265**	**-.00013**	**.00020**	**-.00001**	**-.00025**
Stddev	.00007	.00033	.00183	.00035	.00011	.00000	.00192	.00101	.00014	.00016	.00010	.00035
%RSD	93.010	6.8830	894.60	6.1218	84.582	7.3360	666.55	37.939	107.67	78.928	680.67	140.68
#1	.00003	-.00459	.00109	.00603	-.00005	-.00001	-.00165	.00194	-.00003	.00032	-.00009	.00000
#2	.00013	-.00506	-.00150	.00553	-.00022	-.00001	.00107	.00336	-.00023	.00009	.00006	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00201**	**.12572**	**-.00002**	**-.00189**	**.00006**	**.00038**	F **.29602**	**-.00006**	**-.00380**	**-.00078**	F **1.4442**	F **.00866**
Stddev	.00153	.06590	.00044	.00278	.00004	.00016	.00526	.00029	.00078	.00115	.0050	.00548
%RSD	76.004	52.417	2033.7	147.29	60.996	42.827	1.7768	439.66	20.517	147.41	.34784	63.242
#1	-.00093	.07913	.00029	-.00385	.00009	.00049	.29974	.00014	-.00325	.00003	1.4407	.00479
#2	-.00309	.17232	-.00033	.00008	.00003	.00026	.29230	-.00027	-.00436	-.00160	1.4478	.01254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.18320				.20000	.00628
Low Limit							-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.01258**	**.02693**	**.00010**	**.00007**	**-.00044**	**-.00040**	**.00065**	F **-.05292**	**.00022**	**.00215**	**.00180**
Stddev	.00086	.00176	.00377	.00069	.00006	.00225	.00031	.00056	.01594	.00000	.00003	.00049
%RSD	35.951	14.008	14.008	697.88	94.092	513.95	77.992	87.087	30.119	1.4036	1.4648	27.400
#1	.00300	.01383	.02959	.00059	.00011	-.00203	-.00062	.00105	-.04165	.00022	.00217	.00214
#2	.00178	.01134	.02426	-.00039	.00002	.00116	-.00018	.00025	-.06420	.00022	.00212	.00145
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8101.8**	**109160.**	**6445.3**
Stddev	32.7	263.	23.5
%RSD	.40338	.24091	.36419
#1	8078.7	108970.	6461.9
#2	8124.9	109340.	6428.7

Sample Name: CCVL-2372865 Acquired: 11/11/2013 17:54:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.10689**	**.01541**	**.10477**	**.01078**	**.00107**	**.12516**	**.21902**	**.00529**	**.01117**	**.01065**	**.01613**	**.10562**
Stddev	.00029	.00040	.00148	.00029	.00024	.00011	.00185	.00663	.00008	.00028	.00009	.00025	.00175
%RSD	2.6906	.37325	9.6212	.27454	2.2076	10.688	1.4820	3.0253	1.4407	2.4913	.82570	1.5777	1.6533
#1	.01059	.10660	.01645	.10457	.01061	.00099	.12647	.21433	.00524	.01097	.01071	.01595	.10438
#2	.01100	.10717	.01436	.10497	.01095	.00115	.12384	.22371	.00535	.01136	.01058	.01631	.10685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3160**	**.00817**	**.21495**	**.01061**	**.02079**	F **1.3284**	**.04389**	**3.0084**	**.01022**	**1.3203**	**.00975**	**.01515**	**.50880**
Stddev	.0159	.00075	.00371	.00003	.00037	.0248	.00004	.0053	.00002	.0021	.00121	.00030	.00187
%RSD	.47943	9.1326	1.7245	.26680	1.7662	1.8637	.10064	.17588	.22432	.15692	12.413	1.9887	.36728
#1	3.3272	.00764	.21233	.01059	.02105	1.3109	.04392	3.0121	.01020	1.3217	.00889	.01493	.51013
#2	3.3047	.00870	.21757	.01063	.02053	1.3459	.04386	3.0046	.01024	1.3188	.01060	.01536	.50748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0888**	**.10729**	**.01064**	**.01441**	**.00964**	**.01696**	**.05734**	**.01034**	**.02345**	**.01792**
Stddev	.0040	.00151	.00012	.00220	.00044	.00128	.00777	.00036	.00007	.00004
%RSD	.36728	1.4033	1.0842	15.291	4.5827	7.5422	13.557	3.4752	.31734	.21146
#1	1.0917	.10835	.01055	.01596	.00995	.01606	.05185	.01008	.02339	.01789
#2	1.0860	.10623	.01072	.01285	.00932	.01787	.06284	.01059	.02350	.01795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8287.2**	**112190.**	**6680.5**
Stddev	24.5	997.	35.1
%RSD	.29619	.88902	.52524
#1	8269.9	111490.	6705.3
#2	8304.6	112900.	6655.7

Sample Name: 280-48773-c-4-c Acquired: 11/11/2013 17:56:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.02386**	**.00274**	**1.0737**	**.01572**	**-.00004**	**.00033**	**53.958**	**.00010**	**.00116**
Stddev	.00068	.00077	.00019	.0015	.00044	.00004	.00048	.109	.00021	.00021
%RSD	267.18	3.2142	6.7534	.14068	2.7872	90.545	144.36	.20258	215.60	17.765
#1	.00074	.02332	.00287	1.0748	.01541	-.00007	-.00001	53.881	.00024	.00131
#2	-.00023	.02440	.00261	1.0726	.01603	-.00002	.00067	54.036	-.00005	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00224**	**.14541**	**.77121**	**.03670**	**10.996**	**.92304**	**.00557**	W **924.64**	**.00170**
Stddev	.00008	.00037	.00263	.08193	.00132	.007	.00174	.00005	.99	.00011
%RSD	69.409	16.477	1.8084	10.624	3.5989	.06092	.18836	.96692	.10733	6.3728
#1	.00018	.00250	.14355	.71328	.03576	11.000	.92181	.00553	923.94	.00178
#2	.00006	.00198	.14727	.82915	.03763	10.991	.92427	.00560	925.35	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01336**	**.00005**	F **317.81**	**-.00143**	**-.00066**	**4.7539**	**10.173**	**.00011**	**1.3323**	**-.00303**
Stddev	.00070	.00122	.52	.00023	.00109	.0270	.058	.00046	.0019	.00295
%RSD	5.2341	2545.6	.16234	15.803	164.76	.56771	.56771	425.28	.14233	97.516
#1	.01385	-.00081	317.44	-.00127	.00011	4.7348	10.132	.00043	1.3309	-.00512
#2	.01286	.00091	318.17	-.00159	-.00143	4.7730	10.214	-.00022	1.3336	-.00094
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00000**	**.04740**	**.00541**	**.01117**	**.00183**
Stddev	.00014	.0005	.02796	.00000	.00037	.00332
%RSD	36.626	33263.	58.986	.08466	3.3016	181.17
#1	.00047	-.00033	.06717	.00541	.01143	-.00051
#2	.00028	.00033	.02763	.00540	.01091	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7460.8**	**96682.**	**6564.0**
Stddev	29.2	166.	7.3
%RSD	.39137	.17123	.11170
#1	7481.5	96799.	6569.2
#2	7440.2	96564.	6558.9

Sample Name: 280-48773-c-5-c Acquired: 11/11/2013 17:59:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00044**	**.00128**	**1.6855**	**.01296**	**.00001**	**-.00050**	**87.513**	**.00017**	**.00001**
Stddev	.00021	.00012	.00272	.0042	.00008	.00006	.00330	.308	.00024	.00014
%RSD	220.38	26.391	212.23	.24675	.62921	864.41	656.47	.35249	145.50	1269.9
#1	-.00005	-.00036	-.00064	1.6826	.01301	.00005	-.00284	87.731	.00034	-.00009
#2	.00024	-.00052	.00320	1.6884	.01290	-.00004	.00183	87.295	.00000	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00347**	**.00540**	**1.4521**	**.09774**	**16.258**	**.16094**	**.00685**	RW **1280.5**	**.00144**
Stddev	.00007	.00048	.00111	.0763	.00376	.001	.00014	.00018	4.1	.00014
%RSD	21.391	13.889	20.481	5.2541	3.8444	.00318	.08753	2.5698	.32036	10.047
#1	.00027	.00313	.00618	1.3981	.10039	16.258	.16084	.00673	1283.4	.00155
#2	.00036	.00381	.00462	1.5060	.09508	16.258	.16104	.00698	1277.6	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03045**	**-.00028**	F **480.44**	**-.00298**	**.03450**	**6.1607**	**13.184**	**-.00029**	**2.4233**	**-.00172**
Stddev	.00231	.00065	.64	.00149	.00050	.0684	.146	.00011	.0072	.00001
%RSD	7.5975	233.69	.13331	50.004	1.4536	1.1111	1.1111	39.739	.29882	.69438
#1	.02881	-.00074	479.99	-.00403	.03415	6.1123	13.080	-.00021	2.4284	-.00173
#2	.03208	.00018	480.90	-.00192	.03486	6.2091	13.287	-.00037	2.4181	-.00171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00036**	**.06857**	**.00265**	**.00247**	**.00271**
Stddev	.00028	.00086	.02415	.00013	.00027	.00037
%RSD	47.131	237.87	35.213	5.0855	10.882	13.649
#1	-.00040	-.00025	.08565	.00275	.00266	.00245
#2	-.00080	.00097	.05150	.00256	.00228	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7325.9**	**94234.**	**6424.2**
Stddev	11.5	407.	77.2
%RSD	.15727	.43147	1.2011
#1	7317.8	94521.	6369.7
#2	7334.0	93946.	6478.8

Sample Name: 280-48773-c-6-c Acquired: 11/11/2013 18:02:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00201**	**.00192**	**1.7824**	**.00736**	**-.00003**	**.00089**	**29.105**	**-.00002**	**.00003**
Stddev	.00049	.00020	.00135	.0150	.00018	.00002	.00088	.092	.00019	.00005
%RSD	827.06	9.8394	70.055	.84137	2.4609	61.591	98.770	.31604	1044.0	173.17
#1	-.00029	.00215	.00287	1.7718	.00749	-.00005	.00027	29.170	-.00015	.00006
#2	.00041	.00187	.00097	1.7930	.00723	-.00002	.00151	29.040	.00012	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**.00211**	**.03106**	**1.4840**	**.28915**	**5.1821**	**.00038**	**.00849**	W **907.98**	**.00081**
Stddev	.00015	.00000	.00137	.0289	.00420	.0028	.00007	.00012	3.76	.00051
%RSD	7.2666	.00237	4.3992	1.9493	1.4533	.05447	18.656	1.3879	.41413	62.916
#1	.00221	.00211	.03202	1.4635	.29212	5.1841	.00033	.00857	910.64	.00117
#2	.00199	.00211	.03009	1.5044	.28618	5.1801	.00043	.00841	905.32	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01241**	**-.00161**	F **396.07**	**-.00330**	**.08811**	**3.9660**	**8.4873**	**-.00013**	**2.0706**	**-.00363**
Stddev	.00049	.00087	2.69	.00061	.00367	.0311	.0666	.00053	.0074	.00099
%RSD	3.9679	53.809	.67967	18.494	4.1668	.78493	.78493	398.84	.35741	27.335
#1	.01206	-.00222	394.17	-.00287	.09070	3.9440	8.4402	-.00051	2.0758	-.00433
#2	.01276	-.00100	397.98	-.00373	.08551	3.9880	8.5344	.00024	2.0653	-.00293
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00111**	**.05815**	**.01636**	**.00714**	**.00235**
Stddev	.00019	.00002	.01126	.00038	.00041	.00325
%RSD	34.027	1.4825	19.363	2.3002	5.7996	138.01
#1	-.00069	.00110	.05019	.01663	.00685	.00465
#2	-.00042	.00113	.06611	.01609	.00743	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7579.1**	**98340.**	**6640.7**
Stddev	36.5	288.	53.0
%RSD	.48182	.29266	.79809
#1	7604.9	98137.	6678.2
#2	7553.2	98544.	6603.2

Sample Name: 280-48773-c-7-c Acquired: 11/11/2013 18:04:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00062**	**.00150**	**1.4472**	**.00797**	**-.00003**	**-.00128**	**21.569**	**.00006**	**-.00010**
Stddev	.00049	.00033	.00084	.0069	.00002	.00006	.00446	.049	.00000	.00003
%RSD	421.90	53.592	56.084	.47369	.28355	221.88	347.45	.22704	1.2779	26.741
#1	.00023	.00039	.00209	1.4423	.00795	.00002	-.00444	21.535	.00006	-.00008
#2	-.00046	.00086	.00091	1.4520	.00799	-.00007	.00187	21.604	.00006	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00186**	**-.00015**	**2.2755**	**.46460**	**2.5235**	**.00026**	**.00115**	RW **1051.8**	**.00021**
Stddev	.00026	.00022	.00034	.0830	.00171	.0059	.00005	.00009	1.5	.00062
%RSD	33.076	11.793	221.15	3.6459	.36776	.23191	19.510	7.8175	.14687	293.17
#1	.00098	.00171	-.00039	2.2168	.46339	2.5194	.00023	.00122	1050.8	.00065
#2	.00061	.00202	.00009	2.3341	.46581	2.5276	.00030	.00109	1052.9	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00054**	F **381.18**	**-.00098**	**.07453**	**4.3851**	**9.3841**	**-.00002**	**1.6820**	**-.00096**
Stddev	.00071	.00021	2.19	.00272	.00028	.0304	.0650	.00015	.0004	.00220
%RSD	9.7964	39.516	.57525	278.62	.36983	.69301	.69301	936.87	.02282	227.86
#1	.00780	-.00069	379.63	-.00290	.07433	4.3636	9.3381	-.00012	1.6817	-.00252
#2	.00679	-.00039	382.73	.00095	.07472	4.4066	9.4301	.00009	1.6823	.00059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**-.00015**	**.02534**	**.04496**	**.00261**	**.00273**
Stddev	.00006	.00022	.04721	.00021	.00033	.00043
%RSD	12.915	143.32	186.29	.45699	12.536	15.706
#1	-.00042	.00000	.05873	.04481	.00238	.00243
#2	-.00050	-.00030	-.00804	.04510	.00285	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7453.8**	**97978.**	**6654.9**
Stddev	34.3	573.	39.6
%RSD	.46010	.58435	.59467
#1	7478.0	97573.	6682.9
#2	7429.5	98382.	6627.0

Sample Name: 280-48773-c-8-e Acquired: 11/11/2013 18:07:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.02122**	**.00022**	**1.3509**	**.01280**	**.00001**	**.00039**	**48.231**	**.00005**	**-.00008**
Stddev	.00128	.00005	.00213	.0126	.00019	.00001	.00010	.624	.00005	.00012
%RSD	340.38	.21924	968.53	.93596	1.4665	125.60	24.757	1.2943	95.785	148.98
#1	-.00128	.02119	.00172	1.3420	.01294	.00000	.00032	47.790	.00008	-.00016
#2	.00053	.02126	-.00128	1.3598	.01267	.00001	.00046	48.673	.00002	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00277**	**.04318**	**1.3465**	**.16283**	**10.911**	**.00610**	**.00147**	W **961.40**	**.00066**
Stddev	.00005	.00006	.00111	.0706	.00172	.171	.00004	.00019	12.06	.00000
%RSD	24.863	2.0609	2.5693	5.2440	1.0589	1.5676	.66058	12.952	1.2544	.29661
#1	.00016	.00281	.04239	1.2966	.16161	10.790	.00607	.00133	952.88	.00066
#2	.00023	.00273	.04396	1.3964	.16405	11.032	.00613	.00160	969.93	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04223**	**-.00082**	F **358.02**	**-.00176**	**.06348**	**4.4478**	**9.5182**	**.00049**	**1.7229**	**-.00319**
Stddev	.00212	.00059	.32	.00091	.00284	.0597	.1278	.00028	.0204	.00177
%RSD	5.0156	72.080	.08931	51.781	4.4658	1.3427	1.3427	56.373	1.1868	55.574
#1	.04073	-.00040	357.79	-.00112	.06148	4.4055	9.4279	.00029	1.7085	-.00193
#2	.04373	-.00124	358.24	-.00240	.06549	4.4900	9.6086	.00068	1.7374	-.00444
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00049**	**.10233**	**.00289**	**.01406**	**.00042**
Stddev	.00036	.00005	.01014	.00008	.00014	.00094
%RSD	151.23	10.120	9.9119	2.6475	.96525	223.77
#1	-.00049	-.00046	.10950	.00294	.01396	.00108
#2	.00002	-.00053	.09515	.00284	.01415	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7406.9**	**97733.**	**6816.7**
Stddev	7.1	769.	82.7
%RSD	.09644	.78676	1.2132
#1	7411.9	98276.	6875.2
#2	7401.8	97189.	6758.3

Sample Name: CCVH-2372891 Acquired: 11/11/2013 18:10:09 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**51.818**	**.00089**	**.00721**	**-.00004**	**-.00004**	W **1.0588**	**.03023**	**.00007**	**-.00035**	**-.00007**	**.01172**
Stddev	.00009	.290	.00029	.00103	.00030	.00004	.0013	.00577	.00007	.00002	.00004	.00029
%RSD	1.3369	.55888	32.751	14.217	759.10	95.529	.12601	19.084	93.280	4.7818	53.677	2.4795
#1	.00692	51.613	.00110	.00793	.00018	-.00007	1.0598	.03431	.00012	-.00034	-.00005	.01193
#2	.00705	52.023	.00069	.00649	-.00026	-.00001	1.0579	.02615	.00002	-.00036	-.00010	.01152
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.432**	**.40215**	**.00435**	**.08363**	**.00067**	**-.00018**	**262.10**	**-.00004**	**-.00064**	**.00032**	F **6.4520**	**.00072**
Stddev	.097	.01131	.00149	.00043	.00009	.00019	.58	.00001	.00090	.00040	.0064	.00255
%RSD	.18887	2.8116	34.248	.51765	12.866	106.24	.22237	37.762	141.86	122.97	.09889	353.71
#1	51.501	.39415	.00540	.08333	.00073	-.00004	261.69	-.00005	-.00127	.00060	6.4566	-.00108
#2	51.363	.41014	.00329	.08394	.00061	-.00031	262.52	-.00003	.00000	.00004	6.4475	.00253
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00393**	**.00384**	**.00822**	**.00022**	**.00068**	**5.0144**	**-.01248**	**.00135**	F **6.2803**	**.00096**	**.00071**	**.06077**
Stddev	.00110	.00146	.00312	.00010	.00045	.0174	.00034	.00204	.0313	.00052	.00030	.00350
%RSD	28.046	37.901	37.901	45.721	66.114	.34694	2.6888	150.74	.49879	54.471	42.614	5.7610
#1	-.00471	.00487	.01043	.00029	.00100	5.0267	-.01272	-.00009	6.2582	.00133	.00050	.05829
#2	-.00315	.00281	.00602	.00015	.00036	5.0021	-.01224	.00279	6.3025	.00059	.00093	.06324
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.8**	**107030.**	**6719.1**
Stddev	42.4	74.	50.1
%RSD	.52458	.06889	.74632
#1	8061.8	106970.	6754.5
#2	8121.8	107080.	6683.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 18:12:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50103**	**.52298**	**1.0023**	**.50764**	**.50557**	**.49970**	**-.00042**	**5.1089**	**.50361**	**.50773**	**.50657**	**.50484**	**2.5175**
Stddev	.00055	.00122	.0034	.00020	.00133	.00102	.00134	.0110	.00057	.00003	.00072	.00077	.0108
%RSD	.11051	.23402	.34171	.03991	.26339	.20393	322.83	.21530	.11395	.00652	.14230	.15322	.42806
#1	.50064	.52212	1.0048	.50750	.50462	.49898	.00053	5.1012	.50320	.50776	.50708	.50539	2.5251
#2	.50143	.52385	.99991	.50778	.50651	.50042	-.00137	5.1167	.50402	.50771	.50606	.50430	2.5098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.874**	**1.0023**	**19.918**	**.50114**	**.50870**	F **5.8314**	**.50979**	**.99526**	**1.0238**	**1.1665**	**1.0064**	**.99833**	**5.0010**
Stddev	.001	.0006	.004	.00112	.00043	.0302	.00076	.00274	.0004	.0032	.0061	.00858	.0506
%RSD	.00287	.05856	.01896	.22437	.08459	.51713	.14886	.27576	.03500	.27817	.60770	.85978	1.0115
#1	50.875	1.0028	19.915	.50034	.50839	5.8527	.51033	.99720	1.0240	1.1642	1.0107	1.0044	4.9653
#2	50.873	1.0019	19.921	.50193	.50900	5.8100	.50926	.99332	1.0235	1.1688	1.0020	.99226	5.0368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.702**	**1.0133**	**.50410**	**-.00621**	**.49780**	**1.0249**	**-.02334**	**.50141**	**.50286**	**.50490**
Stddev	.108	.0062	.00044	.00154	.00058	.0044	.02268	.00029	.00128	.00093
%RSD	1.0115	.60717	.08693	24.852	.11729	.42816	97.164	.05696	.25429	.18481
#1	10.626	1.0177	.50379	-.00731	.49739	1.0280	-.00731	.50161	.50196	.50424
#2	10.779	1.0090	.50441	-.00512	.49821	1.0218	-.03938	.50120	.50377	.50556
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8175.2**	**109340.**	**6773.3**
Stddev	2.0	344.	6.7
%RSD	.02472	.31418	.09954
#1	8173.8	109580.	6778.1
#2	8176.7	109100.	6768.5

Sample Name: CCB Acquired: 11/11/2013 18:14:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00433**	**.00033**	W **.00466**	**.00014**	**-.00002**	**.00259**	**.00733**	**.00004**	**.00029**	**.00007**	**.00014**
Stddev	.00016	.00024	.00074	.00011	.00026	.00002	.00191	.00193	.00012	.00007	.00008	.00044
%RSD	40.565	5.4322	224.52	2.3051	186.29	140.85	73.860	26.335	311.88	25.794	122.55	313.03
#1	.00051	-.00416	.00085	.00459	.00032	-.00003	.00394	.00596	-.00005	.00034	.00012	.00046
#2	.00028	-.00450	-.00019	.00474	-.00004	.00000	.00124	.00869	.00012	.00024	.00001	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.11232**	**.00043**	F **.03424**	F **.00073**	**.00037**	F **.46646**	**.00028**	**-.00369**	**.00019**	F **1.1107**	F **.00972**
Stddev	.00231	.01782	.00274	.04567	.00088	.00012	.01445	.00015	.00135	.00067	.0148	.00143
%RSD	242.61	15.863	632.76	133.37	120.45	33.806	3.0988	54.198	36.665	359.75	1.3305	14.711
#1	.00259	.12492	-.00151	.06653	.00135	.00028	.47668	.00038	-.00465	.00066	1.1002	.00871
#2	-.00068	.09972	.00237	.00195	.00011	.00046	.45624	.00017	-.00274	-.00029	1.1211	.01074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit				.02140	.00050		.18320				.20000	.00628
Low Limit				-.02140	-.00050		-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.02174**	**.04653**	**.00012**	**.00022**	**.00382**	**-.00021**	**.00064**	**.01726**	**.00056**	**.00265**	**.00129**
Stddev	.00139	.02122	.04541	.00010	.00011	.00467	.00034	.00086	.02338	.00103	.00049	.00065
%RSD	1177.5	97.605	97.605	85.238	48.650	122.38	161.15	133.89	135.45	182.45	18.416	50.544
#1	-.00110	.03675	.07864	.00019	.00029	.00712	.00003	.00003	.03379	.00129	.00300	.00083
#2	.00086	.00674	.01441	.00005	.00014	.00051	-.00045	.00125	.00073	-.00016	.00231	.00175
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8176.0**	**111210.**	**6715.8**
Stddev	.5	184.	28.8
%RSD	.00603	.16559	.42872
#1	8176.3	111080.	6695.4
#2	8175.7	111340.	6736.1

Sample Name: CCVL-2372865 Acquired: 11/11/2013 18:16:55 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**.10791**	**.01591**	**.10452**	**.01062**	**.00107**	**.12931**	**.21941**	**.00533**	**.01127**	**.01074**	**.01593**	**.10254**
Stddev	.00029	.00076	.00308	.00018	.00000	.00001	.00175	.00343	.00016	.00004	.00015	.00007	.00401
%RSD	2.6005	.70293	19.354	.16885	.01373	1.2091	1.3506	1.5622	2.9665	.31110	1.3961	.42379	3.9097
#1	.01086	.10737	.01374	.10439	.01062	.00108	.13055	.21698	.00544	.01125	.01084	.01588	.09971
#2	.01127	.10844	.01809	.10464	.01062	.00106	.12808	.22183	.00522	.01130	.01063	.01597	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3441**	**.00929**	**.21603**	**.01061**	**.02098**	F **1.4146**	**.04379**	**3.0270**	**.01000**	**1.0167**	**.01024**	**.01460**	**.51048**
Stddev	.1062	.00097	.00299	.00006	.00048	.0056	.00002	.0032	.00051	.0232	.00095	.00209	.00346
%RSD	3.1756	10.429	1.3827	.52582	2.2802	.39617	.05073	.10566	5.1091	2.2771	9.2424	14.282	.67740
#1	3.2690	.00860	.21814	.01065	.02064	1.4107	.04377	3.0247	.00964	1.0004	.00957	.01608	.51293
#2	3.4192	.00997	.21392	.01057	.02132	1.4186	.04380	3.0292	.01036	1.0331	.01091	.01313	.50804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0924**	**.10661**	**.01065**	**.01456**	**.00980**	**.01749**	**.07171**	**.01035**	**.02307**	**.01830**
Stddev	.0074	.00101	.00011	.00095	.00030	.00025	.04732	.00057	.00068	.00073
%RSD	.67740	.95035	1.0421	6.5435	3.0976	1.4246	65.989	5.5046	2.9502	3.9956
#1	1.0977	.10590	.01073	.01388	.00958	.01731	.10517	.01076	.02356	.01881
#2	1.0872	.10733	.01057	.01523	.01001	.01766	.03825	.00995	.02259	.01778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8381.5**	**112960.**	**6792.1**
Stddev	2.4	542.	65.0
%RSD	.02915	.47950	.95734
#1	8379.8	112580.	6838.1
#2	8383.2	113350.	6746.1

Sample Name: mb 280-198991/1-a Acquired: 11/11/2013 18:19:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00103**	**.00137**	**.00362**	**-.00012**	**-.00009**	**-.00041**	**.01265**	**-.00002**	**.00028**
Stddev	.00032	.00019	.00030	.00033	.00020	.00005	.00297	.00235	.00014	.00012
%RSD	42.965	17.902	22.177	9.0888	170.61	50.512	716.07	18.602	775.64	42.293
#1	.00096	-.00116	.00159	.00385	-.00026	-.00006	.00168	.01099	-.00012	.00037
#2	.00051	-.00090	.00116	.00339	.00002	-.00013	-.00251	.01431	.00008	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00022**	**.00505**	**.05066**	**-.00084**	**.00220**	**.00013**	**-.00010**	**.24602**	**.00029**
Stddev	.00004	.00043	.00112	.00011	.00173	.00079	.00002	.00023	.01017	.00001
%RSD	2276.2	192.43	22.200	.22654	206.32	36.160	13.395	232.52	4.1356	3.6808
#1	.00003	-.00008	.00426	.05074	.00038	.00276	.00014	.00006	.25321	.00028
#2	-.00002	.00053	.00584	.05058	-.00206	.00164	.00012	-.00026	.23882	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**-.00028**	F **1.0962**	**-.00116**	**-.00250**	**.01348**	**.02885**	**.00018**	**.00010**	**.00066**
Stddev	.00022	.00048	.0159	.00333	.00000	.00111	.00237	.00042	.00007	.00014
%RSD	8.9605	172.25	1.4530	287.74	.17222	8.2001	8.2001	235.16	70.366	21.489
#1	-.00262	-.00062	1.0849	.00120	-.00250	.01426	.03053	.00048	.00015	.00076
#2	-.00231	.00006	1.1074	-.00351	-.00251	.01270	.02718	-.00012	.00005	.00056
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00010**	**-.01233**	**.00026**	**.00250**	**.00285**
Stddev	.00002	.00014	.02752	.00066	.00002	.00135
%RSD	9.0783	141.76	223.13	257.47	.74575	47.420
#1	-.00021	.00019	.00713	.00073	.00248	.00189
#2	-.00018	.00000	-.03180	-.00021	.00251	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.5**	**113340.**	**7091.2**
Stddev	24.1	702.	160.4
%RSD	.29006	.61969	2.2622
#1	8308.5	113840.	7204.6
#2	8274.5	112840.	6977.7

Sample Name: lcs 280-198991/2-a Acquired: 11/11/2013 18:21:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05130**	**1.9824**	**1.0114**	**1.0066**	**2.1209**	**.05169**	**2.2743**	**51.245**	**.10717**	**.50271**
Stddev	.00118	.0030	.0074	.0004	.0236	.00035	.0008	.609	.00005	.00043
%RSD	2.2967	.14990	.72784	.03772	1.1138	.67507	.03406	1.1885	.04538	.08525
#1	.05213	1.9803	1.0062	1.0069	2.1376	.05193	2.2737	51.676	.10713	.50302
#2	.05046	1.9845	1.0166	1.0063	2.1042	.05144	2.2748	50.814	.10720	.50241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20765**	**.26269**	**1.0297**	**53.322**	**1.0503**	**50.063**	**.50593**	**1.0298**	**55.224**	**.50565**
Stddev	.00008	.00042	.0176	.654	.0108	.191	.00255	.0015	1.415	.00046
%RSD	.03809	.16027	1.7138	1.2260	1.0289	.38206	.50379	.14381	2.5622	.09163
#1	.20771	.26299	1.0421	53.785	1.0579	50.198	.50773	1.0309	56.225	.50532
#2	.20760	.26240	1.0172	52.860	1.0427	49.928	.50413	1.0288	54.223	.50597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.309**	**.50008**	**1.0032**	**.49319**	**2.0063**	**10.292**	**22.025**	**2.0238**	**1.0541**	**1.0280**
Stddev	.006	.00007	.0122	.00044	.0019	.113	.243	.0036	.0121	.0078
%RSD	.06200	.01418	1.2176	.08889	.09320	1.1016	1.1016	.17738	1.1472	.75464
#1	10.313	.50013	.99453	.49288	2.0076	10.372	22.197	2.0264	1.0627	1.0335
#2	10.304	.50003	1.0118	.49350	2.0050	10.212	21.854	2.0213	1.0455	1.0225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0146**	**1.9760**	**2.1760**	**.51823**	**.49984**	**.53384**
Stddev	.0040	.0013	.0143	.00108	.00079	.00736
%RSD	.39207	.06348	.65773	.20844	.15823	1.3790
#1	1.0174	1.9768	2.1659	.51899	.50040	.53904
#2	1.0118	1.9751	2.1862	.51746	.49928	.52863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8048.0**	**107590.**	**6704.5**
Stddev	33.0	47.	114.8
%RSD	.40976	.04342	1.7127
#1	8071.3	107560.	6623.3
#2	8024.7	107630.	6785.6

Sample Name: 280-48662-e-4-a Acquired: 11/11/2013 18:23:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01604**	**.00021**	**.52806**	**.01289**	**-.00009**	**.00232**	**76.178**	**.00036**	**.00007**
Stddev	.00007	.00007	.00303	.00043	.00043	.00006	.00330	.906	.00016	.00021
%RSD	35.998	.41592	1435.7	.08170	3.3451	64.531	142.25	1.1894	44.422	292.79
#1	-.00024	.01609	.00235	.52775	.01258	-.00013	-.00001	75.537	.00025	-.00008
#2	-.00014	.01600	-.00193	.52836	.01319	-.00005	.00465	76.818	.00048	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00194**	**.01405**	**1.4173**	**.10613**	**15.739**	**.00607**	**.00607**	W **532.12**	**.00105**
Stddev	.00003	.00023	.00480	.0661	.00100	.032	.00004	.00042	6.37	.00032
%RSD	7.6919	12.054	34.146	4.6617	.94155	.20484	.70720	6.9423	1.1973	30.715
#1	.00035	.00210	.01066	1.3706	.10542	15.716	.00604	.00577	527.61	.00082
#2	.00039	.00177	.01744	1.4641	.10684	15.762	.00610	.00637	536.62	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03706**	**-.00149**	F **254.90**	**-.00041**	**.00603**	**3.6920**	**7.9009**	**.00034**	**4.7202**	**-.00119**
Stddev	.00029	.00087	.44	.00065	.00300	.0586	.1255	.00110	.0593	.00191
%RSD	.78847	58.316	.17448	158.01	49.751	1.5882	1.5882	321.19	1.2562	161.13
#1	.03727	-.00088	255.21	-.00087	.00815	3.6505	7.8121	-.00044	4.6783	.00017
#2	.03686	-.00210	254.58	.00005	.00391	3.7335	7.9896	.00112	4.7621	-.00254
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00145**	**.03649**	**.00734**	**.01530**	**.00363**
Stddev	.00024	.00099	.06078	.00018	.00055	.00098
%RSD	163.55	68.104	166.57	2.4182	3.5956	27.039
#1	-.00002	.00215	-.00649	.00721	.01569	.00294
#2	.00032	.00075	.07947	.00747	.01491	.00433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7748.8**	**101530.**	**6784.2**
Stddev	4.6	383.	94.3
%RSD	.05999	.37739	1.3896
#1	7752.1	101800.	6850.9
#2	7745.5	101260.	6717.6

Sample Name: 280-48662-e-4-aSD@5 Acquired: 11/11/2013 18:26:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00712**	**.00090**	**.11005**	**.00240**	**-.00002**	**.00232**	**15.367**	**.00009**	**.00017**
Stddev	.00004	.00007	.00057	.00014	.00043	.00001	.00070	.083	.00008	.00013
%RSD	26.375	1.0506	62.720	.12364	17.803	55.195	30.115	.54087	95.135	76.115
#1	.00017	.00707	.00050	.11015	.00271	-.00002	.00183	15.308	.00015	.00008
#2	.00012	.00718	.00130	.10996	.00210	-.00003	.00281	15.426	.00003	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00072**	**.01502**	**.33142**	**.02241**	**3.2004**	**.00147**	**.00085**	**106.94**	**.00058**
Stddev	.00014	.00022	.00281	.01993	.00031	.0026	.00008	.00018	.53	.00029
%RSD	63.835	30.601	18.743	6.0134	1.3944	.08116	5.2382	21.609	.49585	50.614
#1	.00012	.00088	.01701	.31733	.02219	3.2023	.00153	.00072	106.57	.00037
#2	.00032	.00057	.01303	.34552	.02263	3.1986	.00142	.00098	107.32	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	**.00031**	**50.345**	**.00036**	**.00162**	**.73712**	**1.5774**	**.00194**	**.94311**	**-.00010**
Stddev	.00003	.00166	.092	.00279	.00074	.00185	.0040	.00045	.00584	.00218
%RSD	1.0847	536.53	.18217	782.83	45.530	.25059	.25059	23.009	.61929	2200.3
#1	.00232	.00149	50.410	.00233	.00110	.73581	1.5746	.00226	.93898	-.00164
#2	.00229	-.00087	50.280	-.00161	.00214	.73843	1.5802	.00163	.94724	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00003**	**-.01639**	**.00176**	**.00807**	**.00120**
Stddev	.00042	.00038	.02157	.00011	.00000	.00059
%RSD	124.20	1304.4	131.57	6.1270	.04416	49.292
#1	-.00064	-.00030	-.00114	.00168	.00808	.00078
#2	-.00004	.00024	-.03165	.00183	.00807	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8078.5**	**107540.**	**6796.0**
Stddev	32.7	283.	3.4
%RSD	.40425	.26332	.04976
#1	8101.6	107340.	6798.4
#2	8055.4	107740.	6793.6

Sample Name: 280-48662-e-4-b ms Acquired: 11/11/2013 18:28:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05378	1.9508	1.0450	1.4948	2.0359	.04969	F 2.2294	123.58	.10848	.49801
Stddev	.00014	.0032	.0019	.0048	.0258	.00065	.0017	1.35	.00004	.00088
%RSD	.25421	.16173	.18457	.32129	1.2691	1.2981	.07642	1.0956	.03739	.17587
#1	.05387	1.9486	1.0464	1.4914	2.0177	.04924	2.2282	122.62	.10845	.49739
#2	.05368	1.9530	1.0437	1.4982	2.0542	.05015	2.2306	124.54	.10851	.49863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20539	.25928	1.0160	54.550	1.1221	64.693	.50945	1.0405	W 576.09	.50127
Stddev	.00022	.00088	.0088	.713	.0134	.164	.00173	.0015	6.26	.00055
%RSD	.10538	.34046	.86484	1.3069	1.1909	.25293	.33904	.14556	1.0863	.11051
#1	.20523	.25865	1.0098	54.046	1.1126	64.578	.50823	1.0394	571.66	.50088
#2	.20554	.25990	1.0222	55.054	1.1315	64.809	.51067	1.0415	580.51	.50167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.889	.47967	F 253.54	.49330	2.0505	13.664	29.242	1.9881	W 5.5512	1.0339
Stddev	.014	.00064	.51	.00312	.0060	.147	.315	.0002	.1623	.0044
%RSD	.12414	.13255	.20146	.63170	.29482	1.0784	1.0784	.00830	2.9239	.42909
#1	10.879	.47922	253.18	.49109	2.0463	13.560	29.019	1.9880	5.4364	1.0308
#2	10.898	.48012	253.90	.49550	2.0548	13.768	29.465	1.9883	5.6660	1.0370
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0173	1.7883	2.1435	.52844	.52488	.51459
Stddev	.0019	.0032	.0021	.00077	.00098	.00529
%RSD	.18593	.17908	.09764	.14639	.18601	1.0287
#1	1.0159	1.7861	2.1420	.52789	.52419	.51085
#2	1.0186	1.7906	2.1450	.52899	.52557	.51833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7568.3	100440.	6778.7
Stddev	15.8	595.	36.0
%RSD	.20873	.59201	.53107
#1	7557.2	100860.	6804.1
#2	7579.5	100020.	6753.2

Sample Name: 280-48662-e-4-c msd Acquired: 11/11/2013 18:30:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**1.9283**	**1.0336**	**1.4857**	**2.0124**	**.04926**	F **2.1875**	**122.94**	**.10662**	**.49160**
Stddev	.00061	.0073	.0065	.0046	.0227	.00067	.0088	1.33	.00066	.00108
%RSD	1.1939	.37748	.62389	.30721	1.1296	1.3607	.40421	1.0850	.61808	.21952
#1	.05187	1.9335	1.0382	1.4889	1.9963	.04878	2.1937	121.99	.10709	.49236
#2	.05100	1.9232	1.0290	1.4825	2.0285	.04973	2.1812	123.88	.10616	.49084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20274**	**.25564**	**.99002**	**53.996**	**1.1051**	**63.937**	**.50023**	**1.0297**	W **575.05**	**.49451**
Stddev	.00073	.00136	.00981	.652	.0135	.073	.00086	.0026	6.34	.00135
%RSD	.36100	.53214	.99067	1.2072	1.2190	.11433	.17168	.24793	1.1022	.27235
#1	.20325	.25468	.98309	53.535	1.0955	63.989	.50084	1.0315	570.57	.49546
#2	.20222	.25661	.99696	54.457	1.1146	63.886	.49963	1.0279	579.53	.49356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.723**	**.47280**	F **252.71**	**.48755**	**2.0145**	**13.574**	**29.049**	**1.9705**	W **5.5232**	**1.0138**
Stddev	.040	.00046	1.12	.00056	.0045	.307	.656	.0058	.0200	.0030
%RSD	.37074	.09762	.44316	.11412	.22417	2.2594	2.2594	.29447	.36221	.29194
#1	10.751	.47312	253.50	.48794	2.0177	13.358	28.585	1.9746	5.5091	1.0159
#2	10.695	.47247	251.92	.48716	2.0113	13.791	29.513	1.9664	5.5374	1.0117
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	**1.7683**	**2.1332**	**.51952**	**.51653**	**.50739**
Stddev	.0003	.0100	.0540	.00021	.00144	.01097
%RSD	.03324	.56255	2.5321	.03974	.27942	2.1618
#1	1.0027	1.7753	2.1714	.51967	.51755	.49964
#2	1.0031	1.7612	2.0950	.51937	.51551	.51515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7534.1**	**100230.**	**6768.5**
Stddev	10.4	381.	89.1
%RSD	.13755	.38049	1.3162
#1	7526.8	99956.	6831.5
#2	7541.4	100500.	6705.5

Sample Name: 280-48662-e-4-aPDS Acquired: 11/11/2013 18:33:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**.98450**	**.20736**	**.60709**	**.11286**	**.04891**	**-.00084**	**93.367**	**.05134**	**.04933**
Stddev	.00001	.00163	.00249	.00067	.00128	.00104	.00084	.839	.00000	.00013
%RSD	.01191	.16506	1.2018	.10966	1.1298	2.1339	99.904	.89882	.00959	.26972
#1	.05064	.98565	.20912	.60662	.11196	.04818	-.00144	92.774	.05134	.04943
#2	.05063	.98335	.20560	.60756	.11376	.04965	-.00025	93.961	.05133	.04924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05069**	**.05265**	**.99301**	**22.486**	**.20450**	**34.540**	**.05555**	**.05591**	W **538.97**	**.05022**
Stddev	.00007	.00006	.00875	.181	.00394	.067	.00023	.00022	4.83	.00032
%RSD	.13217	.10603	.88128	.80415	1.9247	.19477	.41561	.39144	.89646	.63592
#1	.05064	.05269	.98682	22.358	.20172	34.587	.05571	.05576	535.55	.05044
#2	.05073	.05261	.99919	22.614	.20729	34.492	.05539	.05607	542.38	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1971**	**.09281**	F **246.76**	**.09570**	**.20061**	**8.4141**	**18.006**	**.09706**	**4.6444**	**.19906**
Stddev	.0017	.00081	.28	.00191	.00035	.1775	.380	.00021	.0370	.00019
%RSD	.07638	.87628	.11339	1.9943	.17273	2.1100	2.1100	.21610	.79738	.09634
#1	2.1983	.09223	246.96	.09435	.20037	8.2886	17.738	.09691	4.6182	.19893
#2	2.1960	.09338	246.57	.09704	.20086	8.5396	18.275	.09720	4.6706	.19920
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04923**	**.17887**	**.57043**	**.05915**	**.22070**	**.05398**
Stddev	.00038	.00081	.03147	.00066	.00031	.00065
%RSD	.77719	.45170	5.5168	1.1220	.14065	1.2030
#1	.04896	.17945	.54818	.05868	.22092	.05444
#2	.04950	.17830	.59268	.05961	.22048	.05352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7656.9**	**100660.**	**6680.9**
Stddev	11.7	114.	76.5
%RSD	.15332	.11316	1.1456
#1	7648.6	100580.	6735.0
#2	7665.2	100740.	6626.8

Sample Name: 280-48651-b-6-c Acquired: 11/11/2013 18:35:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**6.8592**	**.00652**	**.03303**	**.14228**	**.00062**	**-.00221**	**38.738**	**.00745**	**.01310**
Stddev	.00023	.0475	.00054	.00037	.00074	.00014	.00252	.292	.00023	.00013
%RSD	126.13	.69222	8.2420	1.1315	.51765	21.936	114.34	.75411	3.0411	1.0085
#1	.00034	6.8256	.00690	.03329	.14176	.00053	-.00399	38.532	.00761	.01319
#2	.00002	6.8927	.00614	.03276	.14280	.00072	-.00042	38.945	.00729	.01301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00576**	**.03765**	**3.5710**	**5.5601**	**.03280**	**5.9981**	**.35169**	**.00095**	**5.7368**	**.03755**
Stddev	.00004	.00012	.0377	.0503	.00026	.0222	.00116	.00004	.0588	.00006
%RSD	.72350	.32195	1.0566	.90529	.80612	.36967	.32948	4.0144	1.0256	.16948
#1	.00579	.03757	3.5443	5.5245	.03299	5.9824	.35087	.00098	5.7784	.03759
#2	.00573	.03774	3.5977	5.5957	.03261	6.0138	.35251	.00092	5.6952	.03750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6381**	**.01670**	**52.500**	**.00004**	**.00108**	**8.7298**	**18.682**	**.00110**	**.15383**	**-.00024**
Stddev	.0048	.00085	.001	.00002	.00204	.1349	.289	.00046	.00079	.00068
%RSD	.29274	5.0709	.00147	39.010	188.36	1.5451	1.5451	42.429	.51326	287.67
#1	1.6415	.01610	52.500	.00005	.00252	8.6344	18.478	.00077	.15327	.00024
#2	1.6347	.01730	52.501	.00003	-.00036	8.8251	18.886	.00142	.15439	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07315**	**.00137**	**.00043**	**.01023**	**4.8328**	**.00367**
Stddev	.00001	.00023	.01025	.00036	.0183	.00039
%RSD	.01739	16.977	2365.4	3.4790	.37936	10.730
#1	.07314	.00153	.00768	.00998	4.8198	.00395
#2	.07316	.00121	-.00681	.01048	4.8457	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8288.6**	**111360.**	**6944.3**
Stddev	5.7	686.	47.4
%RSD	.06821	.61615	.68284
#1	8292.6	111850.	6977.8
#2	8284.6	110880.	6910.8

Sample Name: 280-48651-b-7-c Acquired: 11/11/2013 18:37:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00025**	**.00238**	**.00381**	**.00012**	**-.00006**	**-.00290**	**.04336**	**.00021**	**.00015**
Stddev	.00038	.00021	.00056	.00028	.00012	.00001	.00209	.01192	.00009	.00006
%RSD	82.675	86.283	23.595	7.2359	100.95	25.742	72.102	27.487	42.129	43.393
#1	.00019	.00010	.00278	.00400	.00021	-.00005	-.00142	.03494	.00015	.00019
#2	.00072	.00040	.00198	.00361	.00003	-.00007	-.00439	.05179	.00028	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00042**	**.00404**	**.15641**	**-.00036**	**.00618**	**.00024**	**-.00009**	**.40596**	**.00073**
Stddev	.00002	.00009	.00099	.02222	.00177	.00008	.00009	.00014	.01860	.00035
%RSD	20.240	20.846	24.588	14.205	492.13	1.2360	36.830	159.44	4.5822	47.117
#1	.00012	.00048	.00333	.17212	-.00161	.00613	.00030	-.00018	.39281	.00049
#2	.00009	.00036	.00474	.14070	.00089	.00624	.00018	.00001	.41912	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**.00012**	**.83689**	**-.00010**	**-.00100**	**.02621**	**.05609**	**.00073**	**.00064**	**-.00107**
Stddev	.00229	.00079	.01546	.00075	.00027	.03577	.07654	.00027	.00024	.00290
%RSD	110.25	650.49	1.8478	715.39	26.512	136.46	136.46	36.665	37.261	269.77
#1	-.00370	.00068	.82596	-.00063	-.00082	.05150	.11021	.00092	.00047	-.00312
#2	-.00046	-.00044	.84783	.00042	-.00119	.00092	.00197	.00054	.00081	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.00024**	**.01718**	**.00060**	**.00331**	**.00197**
Stddev	.00032	.00086	.06382	.00020	.00003	.00046
%RSD	61.058	357.15	371.49	33.461	.86855	23.330
#1	-.00029	.00037	.06231	.00075	.00329	.00229
#2	-.00074	-.00085	-.02795	.00046	.00333	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8310.2**	**113070.**	**6731.4**
Stddev	14.6	103.	48.1
%RSD	.17578	.09088	.71474
#1	8320.6	113140.	6765.5
#2	8299.9	112990.	6697.4

Sample Name: CCVH-2372891 Acquired: 11/11/2013 18:39:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00719**	**51.418**	**.00117**	**.00350**	**.00017**	**-.00010**	**1.0499**	**.02785**	**-.00024**	**-.00032**	**.00017**	**.01212**	**50.872**
Stddev	.00003	.071	.00259	.00001	.00040	.00004	.0030	.00609	.00003	.00015	.00015	.00037	.042
%RSD	.36630	.13839	221.86	.14799	239.69	41.910	.28507	21.868	12.986	44.918	88.982	3.0269	.08316
#1	.00720	51.469	.00300	.00351	-.00012	-.00013	1.0477	.03216	-.00022	-.00043	.00028	.01238	50.842
#2	.00717	51.368	-.00066	.00350	.00045	-.00007	1.0520	.02354	-.00026	-.00022	.00006	.01186	50.902
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20602**	**-.00367**	**.08814**	**.00079**	**-.00013**	**259.68**	**-.00011**	**-.00168**	**.00015**	F **5.9301**	**.00049**	**-.00384**	**.00366**
Stddev	.01880	.00057	.00104	.00002	.00007	.54	.00020	.00050	.00031	.0121	.00161	.00105	.00837
%RSD	9.1237	15.477	1.1790	3.0020	55.483	.20830	180.56	29.991	207.54	.20458	329.71	27.294	228.98
#1	.21931	-.00407	.08887	.00078	-.00018	259.29	-.00025	-.00132	-.00007	5.9215	-.00065	-.00459	-.00226
#2	.19273	-.00326	.08741	.00081	-.00008	260.06	.00003	-.00204	.00036	5.9386	.00163	-.00310	.00957
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00782**	**.00000**	**.00069**	**4.9389**	**-.01264**	**.00213**	F **6.2094**	**.00126**	**.00107**	**.06540**
Stddev	.01791	.00068	.00007	.0041	.00035	.00081	.0141	.00103	.00016	.00312
%RSD	228.98	18327.	9.7145	.08323	2.7742	38.252	.22664	82.300	14.737	4.7740
#1	-.00484	.00048	.00074	4.9418	-.01239	.00270	6.1994	.00053	.00118	.06320
#2	.02049	-.00048	.00065	4.9360	-.01288	.00155	6.2193	.00199	.00096	.06761
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8051.4**	**107260.**	**6674.6**
Stddev	16.3	158.	20.4
%RSD	.20191	.14765	.30543
#1	8039.9	107370.	6660.2
#2	8062.9	107150.	6689.0

Sample Name: CCV-2372889 Acquired: 11/11/2013 18:42:16 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49444**	**.52252**	**.99645**	**.50140**	**.49466**	**.49207**	**-.00365**	**5.0361**	**.49975**	**.50353**	**.50610**	**.49710**	**2.4783**
Stddev	.00065	.00169	.00126	.00312	.00038	.00005	.00141	.0009	.00117	.00093	.00148	.00182	.0138
%RSD	.13118	.32312	.12653	.62225	.07669	.00938	38.601	.01857	.23385	.18384	.29223	.36667	.55729
#1	.49398	.52372	.99734	.50360	.49440	.49204	-.00465	5.0367	.50058	.50419	.50715	.49582	2.4881
#2	.49490	.52133	.99556	.49919	.49493	.49211	-.00266	5.0354	.49892	.50288	.50505	.49839	2.4686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.112**	**.98410**	**19.580**	**.49171**	**.50997**	**5.3657**	**.50863**	**.99860**	**1.0169**	**.78270**	**.99457**	**.99947**	**4.9320**
Stddev	.000	.00069	.024	.00030	.00029	.0121	.00129	.00178	.0025	.00278	.01251	.00464	.0178
%RSD	.00067	.06971	.12508	.06087	.05666	.22526	.25275	.17808	.24918	.35467	1.2578	.46418	.36031
#1	50.112	.98459	19.563	.49150	.50976	5.3743	.50954	.99986	1.0187	.78074	1.0034	1.0028	4.9194
#2	50.111	.98362	19.597	.49192	.51017	5.3572	.50772	.99735	1.0151	.78466	.98572	.99619	4.9445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.554**	**1.0160**	**.49367**	**-.00422**	**.48813**	**1.0185**	**-.01024**	**.49306**	**.49702**	**.49769**
Stddev	.038	.0106	.00059	.00128	.00042	.0089	.00451	.00111	.00067	.00231
%RSD	.36031	1.0458	.12012	30.423	.08510	.87290	43.980	.22456	.13416	.46436
#1	10.527	1.0235	.49408	-.00331	.48842	1.0248	-.00706	.49227	.49749	.49605
#2	10.581	1.0085	.49325	-.00513	.48784	1.0122	-.01343	.49384	.49655	.49932
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.9**	**110860.**	**6796.2**
Stddev	1.3	52.	33.3
%RSD	.01612	.04702	.48928
#1	8204.0	110890.	6772.7
#2	8205.9	110820.	6819.8

Sample Name: CCB Acquired: 11/11/2013 18:44:24 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00278**	**.00184**	**.00264**	**.00000**	**.00006**	**.00056**	**.01121**	**-.00036**	**.00015**	**-.00007**
Stddev	.00010	.00026	.00122	.00079	.00035	.00002	.00009	.00535	.00015	.00019	.00002
%RSD	21.570	9.4667	66.520	29.828	40172.	36.836	15.958	47.727	40.053	131.09	33.065
#1	.00052	-.00259	.00271	.00319	.00025	.00008	.00062	.00743	-.00047	.00028	-.00005
#2	.00038	-.00296	.00097	.00208	-.00024	.00004	.00049	.01499	-.00026	.00001	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00238**	**.04468**	W **-.00335**	**.00397**	**.00007**	**.00012**	F **.22636**	**.00050**	**-.00257**	**.00036**
Stddev	.00003	.00262	.05701	.00138	.00095	.00007	.00001	.00121	.00005	.00169	.00083
%RSD	60.382	110.16	127.60	41.374	23.882	94.781	10.148	.53352	10.155	65.614	232.26
#1	-.00003	.00423	.00437	-.00237	.00464	.00002	.00011	.22550	.00046	-.00138	.00094
#2	-.00007	.00053	.08500	-.00433	.00330	.00012	.00013	.22721	.00054	-.00376	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.77571**	F **.00852**	**.00171**	**.00121**	**.00259**	**.00120**	W **.00047**	**.00211**	W **-.00062**	**.00098**	**-.00762**
Stddev	.00008	.00027	.00450	.01136	.02432	.00003	.00003	.00074	.00022	.00122	.01490
%RSD	.01089	3.1149	262.55	938.84	938.84	2.6421	6.9744	34.892	35.196	124.84	195.63
#1	.77577	.00834	-.00147	-.00683	-.01461	.00118	.00045	.00263	-.00077	.00011	-.01816
#2	.77565	.00871	.00489	.00925	.01979	.00122	.00049	.00159	-.00046	.00184	.00292
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.20000	.00628					.00030		.00060		
Low Limit	-.20000	-.00628					-.00030		-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00014**	**.00266**	**.00066**
Stddev	.00014	.00022	.00085
%RSD	100.29	8.1324	127.76
#1	.00024	.00251	.00127
#2	.00004	.00282	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.9**	**111540.**	**6709.6**
Stddev	4.9	177.	13.2
%RSD	.06028	.15829	.19622
#1	8199.3	111410.	6700.3
#2	8192.4	111660.	6718.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 18:46:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.10907**	**.01816**	**.10276**	**.01130**	**.00115**	**.12894**	F **.31396**	**.00520**	**.01127**	**.01059**	**.01626**	**.12221**
Stddev	.00045	.00013	.00136	.00087	.00141	.00024	.00169	.13989	.00016	.00024	.00012	.00026	.02310
%RSD	4.2291	.11669	7.4695	.84619	12.478	20.648	1.3074	44.556	3.1373	2.1531	1.1761	1.5998	18.902
#1	.01043	.10898	.01720	.10337	.01229	.00132	.12775	.41287	.00531	.01110	.01068	.01645	.13854
#2	.01107	.10916	.01912	.10214	.01030	.00098	.13014	.21504	.00508	.01145	.01050	.01608	.10587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000					
Range								30.000%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2352**	**.00917**	**.21431**	**.01054**	**.02073**	F **1.9668**	**.04370**	**3.0039**	**.00985**	**.71850**	**.00929**	**.01388**	**.52519**
Stddev	.0383	.00073	.00021	.00002	.00003	.9751	.00028	.0028	.00032	.00464	.00094	.00143	.02108
%RSD	1.1841	7.9222	.09646	.19045	.15322	49.579	.65020	.09437	3.2517	.64557	10.150	10.319	4.0138
#1	3.2623	.00968	.21417	.01052	.02075	2.6563	.04350	3.0059	.01008	.71522	.00996	.01490	.54010
#2	3.2082	.00865	.21446	.01055	.02071	1.2773	.04390	3.0019	.00963	.72178	.00863	.01287	.51029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1239**	**.10670**	F **.01492**	**.01494**	**.00961**	**.01660**	**.06256**	**.01028**	**.02353**	**.01917**
Stddev	.0451	.00088	.00575	.00128	.00017	.00059	.02326	.00003	.00038	.00059
%RSD	4.0138	.82189	38.551	8.5742	1.7440	3.5423	37.180	.26433	1.6205	3.0520
#1	1.1558	.10608	.01899	.01403	.00949	.01702	.07901	.01026	.02380	.01959
#2	1.0920	.10732	.01086	.01584	.00973	.01618	.04611	.01030	.02326	.01876
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000							
Range			30.000%							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8395.5**	**113770.**	**6780.3**
Stddev	11.7	100.	45.7
%RSD	.13993	.08823	.67364
#1	8387.2	113700.	6748.0
#2	8403.9	113840.	6812.6

Sample Name: mb 280-199600/1-a Acquired: 11/11/2013 18:48:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00400**	**.00062**	**.00929**	**.00016**	**.00000**	**.00114**	**.04899**	**.00011**	**.00020**
Stddev	.00016	.00015	.00034	.00005	.00040	.0001	.00152	.00049	.00015	.00004
%RSD	179.64	3.8713	55.338	.55413	254.43	1706.4	133.51	.99639	130.61	18.231
#1	-.00002	.00389	.00087	.00932	-.00013	-.00006	.00006	.04864	.00001	.00023
#2	.00020	.00411	.00038	.00925	.00044	.00005	.00221	.04933	.00022	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00048**	**.01423**	**.12196**	**.00022**	**.00868**	**.00032**	**-.00001**	**.25699**	**.00061**
Stddev	.00002	.00029	.00288	.03465	.00200	.00223	.00001	.00013	.00587	.00008
%RSD	6.5387	60.104	20.248	28.408	924.04	25.679	3.1766	2269.8	2.2849	13.134
#1	.00033	.00068	.01627	.14646	.00163	.00710	.00033	-.00010	.25283	.00066
#2	.00036	.00028	.01220	.09746	-.00120	.01025	.00031	.00009	.26114	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.00014**	F **.72490**	**-.00102**	**-.00094**	**.05441**	**.11644**	**.00359**	**.00020**	**.00024**
Stddev	.00048	.00022	.00171	.00160	.00065	.01138	.02434	.00016	.00004	.00057
%RSD	54.218	156.18	.23531	156.72	69.185	20.906	20.906	4.5641	21.682	236.73
#1	-.00124	-.00001	.72370	-.00215	-.00140	.06246	.13366	.00370	.00023	-.00016
#2	-.00055	.00029	.72611	.00011	-.00048	.04637	.09923	.00347	.00017	.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00025**	**.00155**	**-.00010**	**.00393**	**.00323**
Stddev	.00020	.00120	.00117	.00012	.00013	.00042
%RSD	252.90	481.22	75.513	119.79	3.2494	13.092
#1	-.00022	-.00060	.00237	-.00002	.00384	.00293
#2	.00006	.00110	.00072	-.00018	.00402	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8471.9**	**115410.**	**6888.6**
Stddev	.9	238.	45.9
%RSD	.01035	.20617	.66668
#1	8471.3	115250.	6856.1
#2	8472.6	115580.	6921.0

Sample Name: lcs 280-199600/2-a Acquired: 11/11/2013 18:51:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04753**	**1.9318**	**.94722**	F **1.1247**	**1.9134**	**.04692**	**2.1315**	**46.589**	**.10024**	**.47176**
Stddev	.00066	.0001	.00383	.0000	.0169	.00059	.0012	.436	.00054	.00044
%RSD	1.3956	.00584	.40382	.00032	.88057	1.2498	.05758	.93530	.53505	.09227
#1	.04800	1.9319	.94451	1.1247	1.9015	.04651	2.1306	46.281	.09986	.47207
#2	.04706	1.9317	.94992	1.1247	1.9253	.04734	2.1323	46.898	.10062	.47145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19440**	**.24510**	**.94251**	**48.529**	**.95326**	**46.591**	**.46904**	**.97149**	**50.443**	**.47591**
Stddev	.00031	.00174	.00058	.443	.00593	.111	.00023	.00131	.261	.00040
%RSD	.16011	.71024	.06108	.91375	.62251	.23927	.04917	.13480	.51734	.08377
#1	.19462	.24387	.94211	48.216	.94906	46.670	.46921	.97242	50.627	.47619
#2	.19418	.24633	.94292	48.843	.95745	46.513	.46888	.97057	50.258	.47563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6904**	**.46957**	**.73790**	**.46283**	**1.8640**	**1.6675**	**3.5685**	**1.9141**	**.95121**	**.94756**
Stddev	.0017	.00182	.00358	.00146	.0168	.0017	.0037	.0162	.00816	.00573
%RSD	.01796	.38755	.48527	.31471	.89977	.10316	.10316	.84604	.85758	.60451
#1	9.6892	.47085	.74043	.46386	1.8759	1.6688	3.5711	1.9255	.94544	.95161
#2	9.6917	.46828	.73536	.46180	1.8521	1.6663	3.5659	1.9026	.95698	.94351
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94978**	**1.8454**	**2.0577**	**.47883**	**.46955**	**.49425**
Stddev	.00037	.0163	.0268	.00051	.00267	.00170
%RSD	.03895	.88095	1.3005	.10606	.56769	.34407
#1	.94952	1.8569	2.0388	.47919	.47143	.49304
#2	.95005	1.8339	2.0766	.47847	.46766	.49545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.9**	**108320.**	**6799.5**
Stddev	16.9	376.	75.3
%RSD	.20978	.34754	1.1079
#1	8065.9	108060.	6852.8
#2	8089.8	108590.	6746.3

Sample Name: 280-48651-a-1-a Acquired: 11/11/2013 18:53:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**65.198**	**.00569**	**.01867**	**.16849**	**.00193**	**-.01153**	**4.7320**	**.00226**	**.02481**
Stddev	.00019	.127	.00044	.00002	.00028	.00006	.00311	.0054	.00012	.00001
%RSD	117.03	.19521	7.7655	.08514	.16913	2.9927	26.980	.11431	5.2883	.04740
#1	.00030	65.108	.00538	.01866	.16829	.00197	-.01373	4.7282	.00234	.02480
#2	.00003	65.288	.00600	.01868	.16870	.00189	-.00933	4.7358	.00217	.02482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06247**	**.04302**	**70.631**	**7.4997**	**.12279**	**19.950**	**.55851**	**.00062**	**.32736**	**.08299**
Stddev	.00036	.00062	.191	.0499	.00040	.043	.00068	.00025	.00266	.00032
%RSD	.57071	1.4316	.26992	.66524	.32514	.21370	.12250	39.974	.81244	.37973
#1	.06272	.04258	70.496	7.5350	.12307	19.980	.55900	.00045	.32924	.08322
#2	.06222	.04345	70.766	7.4645	.12250	19.920	.55803	.00080	.32548	.08277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1103**	**.05724**	**1.4012**	**-.00164**	**.00199**	**3.1614**	**6.7654**	**.00598**	**.02294**	**.01321**
Stddev	.0009	.00067	.0050	.00020	.00189	.0093	.0199	.00001	.00023	.00330
%RSD	.04323	1.1748	.35452	11.980	95.014	.29429	.29429	.17258	.99623	25.010
#1	2.1109	.05677	1.3977	-.00178	.00065	3.1680	6.7795	.00598	.02277	.01554
#2	2.1096	.05772	1.4047	-.00150	.00333	3.1548	6.7513	.00599	.02310	.01087
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30757**	**.00030**	W **-.07807**	**.07675**	**.92365**	**.01143**
Stddev	.00169	.00086	.02241	.00022	.00467	.00057
%RSD	.54832	289.54	28.703	.28663	.50541	5.0002
#1	.30638	-.00031	-.09392	.07690	.92695	.01184
#2	.30876	.00090	-.06223	.07659	.92035	.01103
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8686.2**	**114170.**	**7206.4**
Stddev	5.6	356.	28.3
%RSD	.06443	.31193	.39211
#1	8690.2	113920.	7186.4
#2	8682.3	114420.	7226.4

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/11/2013 18:55:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**13.497**	**.00249**	**.00581**	**.03449**	**.00042**	**-.00101**	**.99287**	**.00046**	**.00545**
Stddev	.00022	.029	.00142	.00038	.00027	.00000	.00057	.01034	.00006	.00002
%RSD	148.42	.21508	57.036	6.5744	.76975	.14217	56.750	1.0416	12.500	.45889
#1	-.00031	13.477	.00148	.00609	.03430	.00042	-.00141	.98556	.00042	.00547
#2	.00001	13.518	.00349	.00554	.03468	.00042	-.00060	1.0002	.00050	.00543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01291**	**.00879**	**13.828**	**1.5806**	**.02385**	**4.0676**	**.11397**	**.00017**	**.13506**	**.01746**
Stddev	.00017	.00037	.049	.0215	.00090	.0141	.00038	.00005	.00544	.00015
%RSD	1.3098	4.2153	.35715	1.3610	3.7588	.34552	.33572	31.849	4.0305	.84988
#1	.01279	.00853	13.793	1.5654	.02321	4.0776	.11424	.00020	.13121	.01735
#2	.01303	.00905	13.863	1.5958	.02448	4.0577	.11370	.00013	.13891	.01756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42517**	**.01256**	**.82233**	**-.00035**	**.00316**	**.67065**	**1.4352**	**.00364**	**.00504**	**.00319**
Stddev	.00037	.00064	.00744	.00220	.00263	.01217	.0261	.00021	.00002	.00003
%RSD	.08659	5.1136	.90523	633.08	83.103	1.8150	1.8150	5.6844	.47972	1.0041
#1	.42491	.01302	.81707	.00121	.00130	.66204	1.4168	.00350	.00503	.00317
#2	.42543	.01211	.82759	-.00190	.00502	.67926	1.4536	.00379	.00506	.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06145**	**.00017**	**-.01257**	**.01511**	**.19049**	**.00443**
Stddev	.00299	.00055	.01626	.00089	.00032	.00002
%RSD	4.8651	317.73	129.41	5.8825	.16875	.46934
#1	.05933	.00056	-.02407	.01448	.19072	.00442
#2	.06356	-.00021	-.00107	.01574	.19027	.00444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8531.0**	**114130.**	**6874.3**
Stddev	10.7	443.	7.3
%RSD	.12495	.38858	.10626
#1	8538.6	113820.	6879.4
#2	8523.5	114440.	6869.1

Sample Name: 280-48651-a-1-b ms Acquired: 11/11/2013 18:57:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04722	105.91	.91477	.93357	2.1100	.04747	F 2.0402	49.250	.09968	.47558
Stddev	.00036	.62	.00273	.00021	.0116	.00030	.0010	.321	.00002	.00133
%RSD	.75918	.58154	.29817	.02236	.54811	.64138	.04861	.65084	.02368	.27952
#1	.04696	105.48	.91284	.93342	2.1018	.04725	2.0395	49.023	.09970	.47652
#2	.04747	106.35	.91670	.93372	2.1182	.04768	2.0409	49.477	.09966	.47464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28282	.28816	76.998	66.735	1.0736	70.103	1.0335	.91438	49.067	.53828
Stddev	.00014	.00115	.503	.195	.0063	.202	.0021	.00073	.289	.00027
%RSD	.04907	.39758	.65265	.29229	.58659	.28875	.19895	.08037	.58897	.05058
#1	.28292	.28735	76.643	66.597	1.0692	69.960	1.0320	.91490	48.863	.53847
#2	.28272	.28897	77.353	66.873	1.0781	70.246	1.0349	.91386	49.271	.53808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.199	.48720	1.5001	.25335	1.7764	6.5233	13.960	1.7432	.96108	.89185
Stddev	.004	.00080	.0006	.00035	.0063	.0327	.070	.0002	.00569	.00171
%RSD	.03946	.16318	.03711	.13956	.35584	.50175	.50175	.00923	.59177	.19175
#1	11.196	.48776	1.4997	.25360	1.7720	6.5002	13.910	1.7433	.95706	.89064
#2	11.202	.48664	1.5005	.25310	1.7809	6.5465	14.009	1.7431	.96510	.89306
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3987	1.7122	1.9332	.61820	1.3198	.39778
Stddev	.0043	.0033	.0114	.00167	.0048	.00179
%RSD	.30523	.19099	.58813	.27026	.36657	.45084
#1	1.4017	1.7145	1.9251	.61702	1.3164	.39651
#2	1.3957	1.7099	1.9412	.61939	1.3233	.39905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8379.3	110570.	7168.0
Stddev	8.2	144.	5.4
%RSD	.09812	.13024	.07550
#1	8385.1	110470.	7171.8
#2	8373.5	110680.	7164.2

Sample Name: 280-48651-a-1-c msd Acquired: 11/11/2013 18:59:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04726**	**97.457**	**.91588**	**.93972**	**2.1019**	**.04794**	F **2.0479**	**49.346**	**.09976**	**.47291**
Stddev	.00018	.711	.00146	.00010	.0159	.00014	.0011	.356	.00020	.00081
%RSD	.38476	.72992	.15950	.01052	.75439	.28279	.05373	.72082	.19772	.17163
#1	.04739	96.954	.91484	.93979	2.0907	.04785	2.0472	49.094	.09989	.47349
#2	.04713	97.960	.91691	.93965	2.1131	.04804	2.0487	49.597	.09962	.47234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27380**	**.28061**	**65.818**	**65.565**	**1.0750**	**67.329**	**.96882**	**.92001**	**49.490**	**.52685**
Stddev	.00030	.00106	.495	.557	.0106	.043	.00029	.00084	.765	.00018
%RSD	.10852	.37836	.75233	.84939	.98273	.06439	.03005	.09132	1.5457	.03402
#1	.27401	.28137	65.468	65.171	1.0675	67.298	.96902	.92060	48.949	.52698
#2	.27359	.27986	66.168	65.959	1.0825	67.359	.96861	.91941	50.031	.52672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.896**	**.47147**	**1.4198**	**.26189**	**1.7941**	**6.0287**	**12.901**	**1.7529**	**.96488**	**.88452**
Stddev	.009	.00135	.0054	.00145	.0016	.0503	.108	.0012	.00572	.00024
%RSD	.08585	.28690	.37769	.55538	.09065	.83519	.83519	.06775	.59271	.02665
#1	10.902	.47243	1.4236	.26292	1.7952	5.9931	12.825	1.7537	.96084	.88469
#2	10.889	.47051	1.4160	.26087	1.7929	6.0643	12.978	1.7520	.96893	.88436
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3984**	**1.7266**	**1.9255**	**.60281**	**1.1896**	**.41364**
Stddev	.0058	.0068	.0179	.00240	.0046	.00317
%RSD	.41470	.39446	.93070	.39782	.38287	.76594
#1	1.4025	1.7314	1.9382	.60111	1.1863	.41140
#2	1.3943	1.7218	1.9129	.60450	1.1928	.41588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8423.9**	**110310.**	**7107.6**
Stddev	16.6	501.	106.6
%RSD	.19746	.45415	1.4998
#1	8435.7	110660.	7183.0
#2	8412.2	109950.	7032.2

Sample Name: 280-48651-a-1-aPDS Acquired: 11/11/2013 19:02:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**64.871**	**.19287**	**.10977**	**.26005**	**.04823**	**-.01191**	**23.375**	**.05034**	**.07107**
Stddev	.00060	.013	.00245	.00045	.00182	.00003	.00250	.008	.00034	.00006
%RSD	1.2342	.02008	1.2706	.40626	.69843	.06969	20.949	.03621	.66904	.08082
#1	.04891	64.880	.19460	.10946	.25876	.04826	-.01015	23.369	.05010	.07103
#2	.04806	64.861	.19114	.11009	.26133	.04821	-.01368	23.381	.05057	.07111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10905**	**.09205**	**68.761**	**26.748**	**.21628**	**37.904**	**.58625**	**.04785**	**20.307**	**.12722**
Stddev	.00002	.00007	.129	.072	.00058	.135	.00191	.00009	.450	.00003
%RSD	.02064	.07684	.18699	.26999	.26644	.35606	.32501	.19607	2.2144	.02402
#1	.10906	.09210	68.670	26.799	.21587	38.000	.58760	.04779	19.989	.12725
#2	.10903	.09200	68.852	26.697	.21668	37.809	.58490	.04792	20.625	.12720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9652**	**.14602**	**1.3089**	**.09286**	**.18565**	**7.8754**	**16.853**	**.09874**	**.07099**	**.20302**
Stddev	.0026	.00035	.0029	.00059	.00153	.0077	.016	.00003	.00091	.00169
%RSD	.06567	.24023	.21854	.63212	.82223	.09729	.09729	.03049	1.2846	.83175
#1	3.9633	.14577	1.3110	.09244	.18457	7.8700	16.842	.09872	.07163	.20182
#2	3.9670	.14627	1.3069	.09327	.18673	7.8808	16.865	.09876	.07034	.20421
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35437**	**.18392**	**.47172**	**.12281**	**1.0804**	**.06075**
Stddev	.01051	.00108	.00443	.00051	.0028	.00028
%RSD	2.9668	.58684	.93820	.41181	.26310	.46274
#1	.36181	.18469	.47485	.12245	1.0824	.06055
#2	.34694	.18316	.46859	.12316	1.0784	.06095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8552.1**	**113410.**	**7079.1**
Stddev	38.3	79.	8.2
%RSD	.44816	.06961	.11618
#1	8525.0	113350.	7073.3
#2	8579.2	113460.	7084.9

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:04:17 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00753**	**51.287**	**.00199**	**.00358**	**.00075**	**-.00003**	**1.0496**	**.04311**	**-.00018**	**-.00027**	**.00009**	**.01210**	**50.960**
Stddev	.00016	.029	.00112	.00041	.00022	.00004	.0004	.00032	.00016	.00007	.00000	.00036	.296
%RSD	2.0661	.05691	56.155	11.333	29.967	154.66	.04129	.73301	87.058	27.092	1.3285	3.0049	.58138
#1	.00742	51.308	.00120	.00386	.00091	-.00006	1.0493	.04289	-.00029	-.00033	.00009	.01236	50.750
#2	.00764	51.267	.00278	.00329	.00059	.00000	1.0499	.04333	-.00007	-.00022	.00009	.01184	51.169
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14126**	**-.00163**	**.10605**	**.00101**	**-.00019**	**258.75**	**-.00001**	**.00101**	**-.00079**	F **5.7230**	**.00048**	**-.00150**	**.01649**
Stddev	.01097	.00261	.00032	.00006	.00025	.36	.00023	.00184	.00048	.0163	.00208	.00011	.00935
%RSD	7.7628	159.39	.29974	6.3492	135.55	.13801	3848.6	181.93	60.887	.28491	433.32	7.1122	56.694
#1	.13351	.00021	.10582	.00096	-.00001	259.00	.00016	.00231	-.00045	5.7115	-.00099	-.00143	.00988
#2	.14901	-.00348	.10627	.00105	-.00036	258.49	-.00017	-.00029	-.00113	5.7345	.00195	-.00158	.02310
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03528**	**.00032**	**.00047**	**4.9282**	**-.01203**	**.00087**	F **6.2371**	**.00171**	**.00165**	**.06190**
Stddev	.02000	.00015	.00018	.0010	.00007	.00037	.0041	.00016	.00045	.00143
%RSD	56.694	47.894	37.398	.02084	.54085	41.966	.06618	9.4784	27.276	2.3039
#1	.02114	.00021	.00035	4.9275	-.01208	.00061	6.2401	.00183	.00197	.06089
#2	.04943	.00042	.00059	4.9289	-.01199	.00113	6.2342	.00160	.00133	.06290
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8080.9**	**107140.**	**6709.8**
Stddev	4.0	152.	15.0
%RSD	.04986	.14201	.22286
#1	8078.0	107040.	6720.4
#2	8083.7	107250.	6699.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:06:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49726**	**.52287**	**.99786**	**.50178**	**.49513**	**.49324**	**-.00436**	**5.0462**	**.50014**	**.50440**	**.50543**	**.50128**	**2.5097**
Stddev	.00013	.00035	.00324	.00455	.00217	.00072	.00034	.0052	.00032	.00011	.00017	.00049	.0053
%RSD	.02671	.06746	.32437	.90640	.43768	.14503	7.8665	.10384	.06494	.02254	.03374	.09807	.21147
#1	.49716	.52312	1.0001	.49857	.49360	.49273	-.00460	5.0425	.50037	.50432	.50531	.50163	2.5135
#2	.49735	.52262	.99557	.50500	.49667	.49374	-.00412	5.0499	.49991	.50448	.50555	.50093	2.5060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.301**	**.98591**	**19.802**	**.49694**	**.50912**	**5.2327**	**.51047**	**.99939**	**1.0228**	**.57416**	**.99849**	**1.0044**	**4.9292**
Stddev	.041	.00080	.048	.00077	.00371	.0244	.00420	.00353	.0036	.00140	.00193	.0072	.0445
%RSD	.08229	.08086	.24124	.15492	.72894	.46685	.82215	.35277	.35566	.24452	.19304	.72069	.90208
#1	50.330	.98535	19.768	.49639	.50649	5.2500	.50750	.99690	1.0202	.57515	.99985	1.0095	4.8978
#2	50.272	.98647	19.836	.49748	.51174	5.2154	.51344	1.0019	1.0253	.57316	.99712	.99929	4.9607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.549**	**1.0167**	**.49395**	**-.00338**	**.49359**	**1.0242**	**-.01022**	**.49987**	**.50331**	**.49813**
Stddev	.095	.0011	.00056	.00040	.00083	.0017	.01371	.00050	.00341	.00472
%RSD	.90208	.10821	.11277	11.931	.16817	.16111	134.20	.09972	.67783	.94817
#1	10.481	1.0175	.49356	-.00310	.49418	1.0254	-.01991	.49952	.50090	.49479
#2	10.616	1.0159	.49435	-.00367	.49301	1.0231	-.00052	.50023	.50572	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8232.4**	**109400.**	**6697.0**
Stddev	10.0	41.	10.7
%RSD	.12097	.03749	.15913
#1	8225.3	109370.	6689.5
#2	8239.4	109430.	6704.5

Sample Name: CCB Acquired: 11/11/2013 19:08:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00302**	**.00065**	**.00174**	**.00011**	**.00008**	**.00129**	**.00381**	**.00010**	**.00029**	**.00009**	**-.00003**
Stddev	.00010	.00042	.00013	.00021	.00007	.00004	.00083	.00032	.00016	.00036	.00001	.00060
%RSD	12.271	14.009	19.584	11.925	61.816	51.322	64.357	8.4349	166.40	125.44	13.249	1864.6
#1	.00089	-.00272	.00073	.00188	.00006	.00011	.00187	.00403	.00021	.00055	.00010	-.00045
#2	.00075	-.00332	.00056	.00159	.00015	.00005	.00070	.00358	-.00002	.00003	.00008	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00951**	**.07636**	**-.00168**	**.00183**	**.00006**	**.00049**	**.05727**	**.00036**	**-.00391**	**.00088**	F **.56075**	F **.00647**
Stddev	.00302	.02767	.00142	.00057	.00008	.00004	.00756	.00007	.00149	.00086	.00167	.00011
%RSD	31.725	36.236	84.573	31.388	129.84	7.1572	13.207	18.458	38.126	97.015	.29766	1.7414
#1	.00738	.09593	-.00068	.00223	.00001	.00047	.05192	.00031	-.00285	.00149	.55957	.00654
#2	.01165	.05680	-.00269	.00142	.00012	.00052	.06262	.00041	-.00496	.00028	.56193	.00639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit											.20000	.00628
Low Limit											-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.03271**	**.07000**	**.00049**	**.00017**	**-.00042**	**-.00035**	**-.00050**	**.02508**	**.00015**	**.00302**	W **.00279**
Stddev	.00035	.00406	.00868	.00077	.00006	.00014	.00016	.00138	.03593	.00013	.00010	.00149
%RSD	19.670	12.397	12.397	158.65	38.747	32.783	47.365	273.42	143.23	88.467	3.3256	53.407
#1	.00153	.03558	.07614	.00103	.00021	-.00052	-.00046	-.00148	-.00032	.00025	.00309	.00385
#2	.00202	.02984	.06387	-.00006	.00012	-.00032	-.00023	.00047	.05049	.00006	.00295	.00174
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8257.3**	**111880.**	**6667.7**
Stddev	24.8	747.	75.2
%RSD	.30085	.66746	1.1283
#1	8239.7	111350.	6614.5
#2	8274.8	112410.	6720.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 19:11:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.10813**	**.01685**	**.10093**	**.01040**	**.00096**	**.12257**	**.21633**	**.00516**	**.01114**	**.01061**	**.01577**	**.10518**
Stddev	.00022	.00034	.00192	.00054	.00018	.00001	.00078	.00168	.00025	.00019	.00012	.00001	.00104
%RSD	2.0760	.31303	11.381	.53544	1.7213	1.5050	.63909	.77530	4.8561	1.7269	1.1508	.06417	.98833
#1	.01087	.10789	.01550	.10131	.01027	.00095	.12202	.21515	.00499	.01127	.01052	.01577	.10444
#2	.01055	.10837	.01821	.10055	.01053	.00097	.12313	.21752	.00534	.01100	.01070	.01576	.10591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1604**	**.00755**	**.21102**	**.01047**	**.02052**	**1.1120**	**.04388**	**3.0017**	**.01022**	**.51976**	**.00743**	**.01277**	**.51736**
Stddev	.0228	.00103	.00165	.00000	.00012	.0087	.00008	.0125	.00099	.00033	.00066	.00010	.02254
%RSD	.72245	13.653	.78228	.01137	.60430	.78499	.19257	.41733	9.6598	.06336	8.8745	.74585	4.3566
#1	3.1442	.00828	.20985	.01047	.02043	1.1182	.04382	2.9928	.01092	.51999	.00789	.01284	.50142
#2	3.1765	.00682	.21219	.01047	.02060	1.1058	.04394	3.0106	.00952	.51952	.00696	.01270	.53330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1072**	**.10641**	**.01052**	**.01386**	**.00959**	**.01642**	F **.10820**	**.01046**	**.02314**	**.01794**
Stddev	.0482	.00015	.00022	.00039	.00001	.00024	.01036	.00027	.00010	.00161
%RSD	4.3566	.14167	2.0836	2.8178	.10257	1.4674	9.5780	2.5635	.42437	8.9531
#1	1.0730	.10652	.01037	.01414	.00958	.01659	.11553	.01065	.02321	.01907
#2	1.1413	.10630	.01068	.01358	.00960	.01625	.10087	.01027	.02307	.01680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.0**	**113890.**	**6756.0**
Stddev	11.2	11.	46.4
%RSD	.13399	.01005	.68726
#1	8378.0	113900.	6788.8
#2	8393.9	113880.	6723.2

Sample Name: 280-48651-a-2-a Acquired: 11/11/2013 19:13:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**69.943**	**.00814**	**.01719**	**.14536**	**.00230**	**-.01456**	**4.4738**	**.00084**	**.02775**
Stddev	.00056	.259	.00254	.00004	.00141	.00013	.00114	.0308	.00019	.00014
%RSD	673.21	.37056	31.133	.25201	.96927	5.5342	7.8308	.68897	22.799	.50314
#1	.00031	69.759	.00994	.01716	.14436	.00221	-.01536	4.4520	.00097	.02765
#2	-.00048	70.126	.00635	.01722	.14636	.00239	-.01375	4.4956	.00070	.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06665**	**.04736**	**81.517**	**7.5635**	**.12697**	**22.103**	**.59268**	**.00064**	**.32509**	**.09132**
Stddev	.00102	.00006	.280	.0288	.00016	.035	.00066	.00014	.00844	.00049
%RSD	1.5369	.12803	.34380	.38093	.12633	.15976	.11158	22.124	2.5955	.53237
#1	.06592	.04731	81.319	7.5431	.12686	22.078	.59221	.00054	.33105	.09098
#2	.06737	.04740	81.715	7.5838	.12708	22.128	.59315	.00074	.31912	.09167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5321**	**.02213**	**1.4815**	**-.00251**	**-.00129**	**3.0552**	**6.5382**	**.00482**	**.01874**	**.01496**
Stddev	.0168	.00075	.0067	.00048	.00152	.0306	.0654	.00074	.00005	.00091
%RSD	.66162	3.3752	.45303	18.999	118.37	1.0006	1.0006	15.360	.26315	6.0919
#1	2.5203	.02160	1.4767	-.00285	-.00236	3.0336	6.4919	.00534	.01871	.01431
#2	2.5440	.02266	1.4862	-.00218	-.00021	3.0768	6.5844	.00429	.01878	.01560
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39304**	**-.00044**	W **-.05971**	**.09270**	**.29315**	**.01660**
Stddev	.00395	.00022	.00510	.00003	.00064	.00225
%RSD	1.0046	49.829	8.5387	.03269	.21696	13.574
#1	.39583	-.00028	-.06331	.09268	.29360	.01501
#2	.39025	-.00059	-.05610	.09272	.29270	.01820
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8664.1**	**113670.**	**7063.9**
Stddev	10.2	49.	16.4
%RSD	.11743	.04268	.23279
#1	8656.9	113710.	7075.5
#2	8671.2	113640.	7052.3

Sample Name: 280-48651-a-3-a Acquired: 11/11/2013 19:15:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**46.593**	**.00503**	**.01376**	**.09186**	**.00152**	**-.01187**	**2.5802**	**.00088**	**.01667**
Stddev	.00018	.042	.00144	.00110	.00000	.00011	.00001	.0180	.00004	.00008
%RSD	97.074	.08947	28.734	8.0058	.00009	7.5394	.07772	.69908	4.9690	.50787
#1	-.00006	46.563	.00400	.01298	.09186	.00161	-.01188	2.5675	.00091	.01661
#2	-.00030	46.622	.00605	.01453	.09186	.00144	-.01187	2.5930	.00085	.01673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04461**	**.03614**	**51.811**	**5.9941**	**.07919**	**13.654**	**.36771**	**.00036**	**.18198**	**.05542**
Stddev	.00009	.00032	.481	.0017	.00137	.071	.00121	.00011	.01001	.00074
%RSD	.19480	.87321	.92883	.02786	1.7280	.52271	.32933	29.044	5.5032	1.3424
#1	.04455	.03636	51.471	5.9929	.08016	13.604	.36686	.00029	.17490	.05489
#2	.04467	.03591	52.151	5.9953	.07823	13.705	.36857	.00044	.18906	.05594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9961**	**.01996**	**1.0891**	**-.00142**	**.00298**	**3.1764**	**6.7974**	**.00457**	**.01258**	**.00885**
Stddev	.0066	.00058	.0029	.00006	.00194	.1088	.2328	.00017	.00010	.00052
%RSD	.32823	2.9008	.26571	4.2899	65.153	3.4249	3.4249	3.6884	.77689	5.8520
#1	1.9915	.02037	1.0870	-.00147	.00436	3.0994	6.6328	.00445	.01251	.00922
#2	2.0007	.01955	1.0911	-.00138	.00161	3.2533	6.9620	.00469	.01265	.00848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30237**	**.00025**	**-.04321**	**.05811**	**.24961**	**.01161**
Stddev	.00784	.00083	.00108	.00010	.00151	.00223
%RSD	2.5937	332.76	2.5053	.17707	.60350	19.199
#1	.29682	-.00034	-.04397	.05818	.24855	.01003
#2	.30791	.00084	-.04244	.05803	.25068	.01318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8629.5**	**114370.**	**7050.7**
Stddev	26.7	1572.	34.8
%RSD	.30924	1.3741	.49298
#1	8610.7	115480.	7075.2
#2	8648.4	113260.	7026.1

Sample Name: 280-48651-a-4-a Acquired: 11/11/2013 19:17:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**48.419**	**.00677**	**.01311**	**.11979**	**.00140**	**-.01167**	**3.7872**	**.00167**	**.01660**
Stddev	.00004	.161	.00124	.00008	.00014	.00002	.00310	.0116	.00006	.00023
%RSD	23.590	.33292	18.301	.64822	.11329	1.7422	26.535	.30586	3.3373	1.3793
#1	-.00019	48.305	.00589	.01317	.11970	.00141	-.01386	3.7790	.00171	.01644
#2	-.00013	48.533	.00765	.01305	.11989	.00138	-.00948	3.7954	.00163	.01677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04204**	**.02189**	**48.096**	**5.3405**	**.08925**	**13.355**	**.35925**	**.00025**	**.18671**	**.05244**
Stddev	.00001	.00027	.292	.0199	.00039	.010	.00025	.00009	.03251	.00061
%RSD	.03221	1.2241	.60767	.37264	.43420	.07722	.07042	36.764	17.414	1.1580
#1	.04205	.02208	47.889	5.3546	.08897	13.363	.35943	.00018	.20970	.05287
#2	.04203	.02170	48.302	5.3264	.08952	13.348	.35907	.00031	.16372	.05201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9473**	**.02961**	**1.1710**	**-.00320**	**-.00149**	**3.2146**	**6.8793**	**.00492**	**.01747**	**.01146**
Stddev	.0037	.00155	.0037	.00184	.00361	.1067	.2283	.00001	.00023	.00178
%RSD	.12719	5.2333	.32053	57.656	242.48	3.3186	3.3186	.13820	1.3151	15.558
#1	2.9446	.02852	1.1684	-.00190	-.00404	3.2900	7.0407	.00492	.01731	.01272
#2	2.9499	.03071	1.1737	-.00450	.00106	3.1392	6.7178	.00491	.01763	.01020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33882**	**-.00036**	W **-.05938**	**.05489**	**.28363**	**.00749**
Stddev	.00250	.00036	.00079	.00041	.00065	.00154
%RSD	.73874	99.550	1.3327	.74726	.22858	20.596
#1	.33705	-.00061	-.05882	.05518	.28409	.00858
#2	.34059	-.00011	-.05994	.05460	.28317	.00640
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8636.8**	**113520.**	**7045.2**
Stddev	26.4	406.	61.7
%RSD	.30579	.35783	.87602
#1	8618.1	113230.	7001.6
#2	8655.5	113800.	7088.8

Sample Name: 280-48651-a-5-a Acquired: 11/11/2013 19:20:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**47.215**	**.01251**	**.01726**	**.16941**	**.00159**	**-.01487**	**14.337**	**.00398**	**.01876**
Stddev	.00012	.066	.00062	.00020	.00002	.00012	.00292	.001	.00024	.00012
%RSD	120.96	.13960	4.9611	1.1482	.01183	7.8366	19.629	.00438	5.9377	.62962
#1	.00018	47.169	.01208	.01740	.16943	.00168	-.01694	14.338	.00415	.01885
#2	.00001	47.262	.01295	.01712	.16940	.00151	-.01281	14.337	.00381	.01868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05101**	**.11698**	**71.538**	**6.3064**	**.07413**	**14.011**	**.51648**	**.00117**	**.22548**	**.06620**
Stddev	.00005	.00070	.039	.0043	.00130	.020	.00117	.00008	.00459	.00024
%RSD	.10552	.60067	.05513	.06809	1.7595	.14612	.22705	7.0896	2.0335	.35658
#1	.05098	.11648	71.566	6.3034	.07506	13.997	.51565	.00111	.22873	.06604
#2	.05105	.11748	71.510	6.3095	.07321	14.026	.51731	.00123	.22224	.06637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.5480**	**.21903**	**2.0644**	**-.00149**	**.00296**	**3.7584**	**8.0430**	**.08147**	**.08246**	**.01214**
Stddev	.0012	.00131	.0017	.00105	.00073	.0142	.0305	.00007	.00106	.00191
%RSD	.02175	.59733	.08268	70.132	24.565	.37874	.37874	.08162	1.2797	15.717
#1	5.5471	.21996	2.0656	-.00075	.00244	3.7685	8.0645	.08151	.08321	.01079
#2	5.5488	.21811	2.0632	-.00224	.00347	3.7483	8.0215	.08142	.08172	.01349
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51787**	**.00053**	W **-.08142**	**.07593**	**1.0445**	**.01118**
Stddev	.01020	.00025	.01603	.00005	.0004	.00121
%RSD	1.9704	46.706	19.690	.06867	.04076	10.853
#1	.51065	.00035	-.09276	.07589	1.0442	.01032
#2	.52508	.00070	-.07009	.07596	1.0448	.01203
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8623.4**	**115320.**	**7042.0**
Stddev	22.6	262.	63.0
%RSD	.26232	.22688	.89526
#1	8639.4	115510.	6997.5
#2	8607.4	115140.	7086.6

Sample Name: 280-48486-a-1-e Acquired: 11/11/2013 19:22:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**48.298**	**.03673**	**.01993**	**.22012**	**.00226**	**-.01812**	**110.41**	**.00113**	**.03741**
Stddev	.00040	.009	.00242	.00005	.00061	.00000	.00036	.12	.00012	.00019
%RSD	58.615	.01919	6.5881	.26618	.27568	.19289	2.0042	.11288	10.963	.51369
#1	.00097	48.292	.03502	.01997	.21969	.00227	-.01786	110.32	.00122	.03754
#2	.00040	48.305	.03844	.01990	.22055	.00226	-.01838	110.50	.00104	.03727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05717**	**.12581**	**104.37**	**7.1285**	**.08866**	**30.166**	**3.8932**	**.00182**	**.32835**	**.08013**
Stddev	.00008	.00011	.56	.0245	.00171	.117	.0405	.00014	.00069	.00007
%RSD	.13234	.08582	.53485	.34378	1.9336	.38863	1.0393	7.5328	.21056	.08344
#1	.05722	.12588	103.97	7.1458	.08987	30.083	3.8646	.00172	.32884	.08017
#2	.05712	.12573	104.76	7.1112	.08745	30.249	3.9218	.00191	.32786	.08008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2772**	**.04608**	**1.1942**	**-.00243**	**-.00267**	**3.2546**	**6.9648**	**.00389**	**.17285**	**.02230**
Stddev	.0017	.00096	.0069	.00209	.00093	.0403	.0862	.00012	.00083	.00164
%RSD	.05020	2.0790	.58141	85.925	34.796	1.2377	1.2377	3.1158	.47877	7.3524
#1	3.2760	.04676	1.1991	-.00095	-.00333	3.2831	7.0257	.00397	.17227	.02346
#2	3.2783	.04540	1.1893	-.00391	-.00202	3.2261	6.9038	.00380	.17344	.02114
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21462**	**-.00251**	F **-.13567**	**.08570**	**.27177**	**.01876**
Stddev	.00359	.00184	.05438	.00029	.00072	.00062
%RSD	1.6711	73.395	40.087	.33349	.26471	3.3043
#1	.21208	-.00381	-.17412	.08550	.27126	.01833
#2	.21715	-.00121	-.09721	.08591	.27228	.01920
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8629.3**	**114510.**	**7224.3**
Stddev	4.1	658.	.3
%RSD	.04725	.57468	.00468
#1	8626.5	114980.	7224.6
#2	8632.2	114050.	7224.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:24:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00732**	**51.162**	**-.00002**	**.00098**	**.00006**	**-.00009**	W **1.0534**	**.03892**	**-.00004**	**-.00032**	**-.00002**	**.01199**
Stddev	.00001	.188	.00195	.00006	.00019	.00000	.0059	.00023	.00005	.00001	.00016	.00031
%RSD	.11880	.36726	9651.1	6.2682	339.78	4.4522	.55617	.59292	115.90	2.5761	694.27	2.5697
#1	.00731	51.295	-.00140	.00094	-.00008	-.00009	1.0575	.03909	-.00008	-.00032	-.00013	.01220
#2	.00732	51.030	.00136	.00103	.00020	-.00010	1.0492	.03876	-.00001	-.00033	.00009	.01177
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.607**	**.06813**	**-.00226**	**.08821**	**.00131**	**-.00024**	**259.60**	**-.00030**	**-.00080**	**.00141**	F **5.5510**	**.00114**
Stddev	.087	.00547	.00270	.00107	.00006	.00015	.86	.00024	.00096	.00029	.0393	.00041
%RSD	.17121	8.0307	119.12	1.2136	4.8104	63.931	.33311	79.884	119.35	20.590	.70874	36.010
#1	50.546	.06426	-.00417	.08897	.00135	-.00013	260.22	-.00047	-.00148	.00121	5.5788	.00085
#2	50.669	.07200	-.00036	.08746	.00127	-.00035	258.99	-.00013	-.00013	.00162	5.5232	.00144
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00290**	**.01964**	**.04203**	**.00007**	**.00023**	**4.9310**	**-.01273**	**.00245**	F **6.2369**	**.00135**	**.00107**	**.06147**
Stddev	.00234	.01246	.02667	.00010	.00008	.0022	.00027	.00048	.0271	.00003	.00030	.00023
%RSD	80.644	63.472	63.472	147.85	33.263	.04356	2.1170	19.481	.43508	2.0671	28.425	.37435
#1	-.00125	.01082	.02316	.00000	.00018	4.9325	-.01254	.00211	6.2177	.00133	.00085	.06130
#2	-.00455	.02845	.06089	.00014	.00029	4.9295	-.01292	.00278	6.2561	.00137	.00129	.06163
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8084.2**	**106300.**	**6605.1**
Stddev	15.2	283.	.6
%RSD	.18770	.26629	.00882
#1	8094.9	106500.	6604.7
#2	8073.5	106100.	6605.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:26:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49915**	**.53156**	**1.0012**	**.50021**	**.50211**	**.49807**	**-.00021**	**5.1005**	**.50145**	**.50610**	**.50763**	**.50323**	**2.5247**
Stddev	.00085	.00038	.0001	.00081	.00047	.00034	.00297	.0175	.00072	.00047	.00052	.00115	.0026
%RSD	.16977	.07221	.01279	.16241	.09323	.06736	1423.6	.34263	.14435	.09300	.10271	.22946	.10382
#1	.49975	.53183	1.0013	.49963	.50244	.49831	-.00231	5.1129	.50094	.50644	.50726	.50241	2.5265
#2	.49856	.53129	1.0011	.50078	.50177	.49783	.00189	5.0882	.50196	.50577	.50800	.50405	2.5228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.068**	**1.0038**	**19.982**	**.50027**	**.51279**	**5.2224**	**.51167**	**1.0048**	**1.0246**	**.42263**	**1.0017**	**1.0052**	**5.0032**
Stddev	.057	.0064	.047	.00074	.00385	.0358	.00017	.0098	.0103	.00024	.0011	.0050	.0568
%RSD	.11079	.64201	.23332	.14814	.75098	.68557	.03267	.97931	1.0021	.05679	.10565	.50193	1.1344
#1	51.108	1.0084	20.015	.50079	.51007	5.2477	.51156	.99780	1.0173	.42246	1.0009	1.0088	4.9630
#2	51.028	.99924	19.949	.49974	.51551	5.1971	.51179	1.0117	1.0319	.42280	1.0024	1.0017	5.0433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.707**	**1.0267**	**.50118**	**-.00529**	**.49597**	**1.0282**	**.02104**	**.50285**	**.51006**	**.50587**
Stddev	.121	.0021	.00051	.00181	.00010	.0007	.02383	.00220	.00242	.00503
%RSD	1.1344	.20397	.10229	34.248	.02055	.06574	113.27	.43763	.47426	.99434
#1	10.621	1.0252	.50154	-.00401	.49604	1.0277	.00419	.50441	.51177	.50231
#2	10.793	1.0281	.50082	-.00656	.49590	1.0287	.03789	.50130	.50835	.50943
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8238.1**	**109470.**	**6634.7**
Stddev	8.5	434.	28.9
%RSD	.10259	.39626	.43625
#1	8244.1	109160.	6614.2
#2	8232.1	109770.	6655.1

Sample Name: CCB Acquired: 11/11/2013 19:29:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00011**	**-.00002**	**.00048**	**-.00007**	**-.00005**	**.00110**	**.00592**	**.00016**	**.00027**	**.00006**	**-.00005**	**.00392**
Stddev	.00067	.00061	.00100	.00042	.00003	.00005	.00301	.00358	.00010	.00019	.00006	.00050	.00206
%RSD	153.66	531.03	6508.6	87.311	45.611	113.31	274.11	60.509	60.884	70.911	102.43	1084.9	52.626
#1	.00090	-.00032	.00069	.00018	-.00009	-.00001	.00323	.00846	.00022	.00041	.00002	.00030	.00246
#2	-.00004	.00055	-.00072	.00078	-.00004	-.00009	-.00103	.00339	.00009	.00014	.00010	-.00040	.00538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05567**	**.00054**	**.00263**	**.00020**	**.00042**	**.01481**	**.00045**	**-.00328**	**-.00001**	F **.42918**	F **.00660**	**-.00068**	**-.00599**
Stddev	.03258	.00163	.00047	.00003	.00011	.00293	.00016	.00009	.00016	.00125	.00136	.00388	.00085
%RSD	58.531	298.78	17.834	17.523	25.085	19.748	35.827	2.8783	1453.8	.29051	20.560	573.27	14.131
#1	.07871	.00170	.00296	.00022	.00035	.01275	.00034	-.00322	-.00012	.42830	.00564	-.00342	-.00659
#2	.03263	-.00061	.00230	.00017	.00050	.01688	.00057	-.00335	.00010	.43006	.00756	.00207	-.00539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit										.20000	.00628		
Low Limit										-.20000	-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01283**	**.00024**	**.00014**	**-.00050**	**-.00037**	**.00081**	**-.01525**	**.00041**	**.00228**	**.00027**
Stddev	.00181	.00013	.00002	.00067	.00008	.00070	.00969	.00005	.00010	.00048
%RSD	14.131	55.866	11.357	133.97	22.364	86.348	63.560	10.927	4.3939	174.79
#1	-.01411	.00014	.00013	-.00003	-.00031	.00130	-.00840	.00038	.00221	.00061
#2	-.01154	.00033	.00015	-.00097	-.00042	.00031	-.02211	.00044	.00235	-.00006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8249.3**	**111830.**	**6592.4**
Stddev	28.1	446.	17.6
%RSD	.34005	.39911	.26629
#1	8229.4	112150.	6580.0
#2	8269.1	111520.	6604.8

Sample Name: CCVL-2372865 Acquired: 11/11/2013 19:31:17 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.11438**	**.01736**	**.10333**	**.01064**	**.00107**	**.12915**	**.22560**	**.00541**	**.01121**	**.01101**	**.01636**	**.11140**	**3.2206**
Stddev	.00008	.00064	.00037	.00042	.00003	.00008	.00300	.00174	.00006	.00026	.00008	.00025	.00200	.0471
%RSD	.72940	.55785	2.1472	.40241	.24849	7.6383	2.3265	.77110	1.1333	2.2764	.70255	1.5185	1.7923	1.4637
#1	.01138	.11393	.01762	.10362	.01066	.00112	.13127	.22437	.00545	.01103	.01106	.01619	.10999	3.2540
#2	.01127	.11484	.01710	.10304	.01062	.00101	.12702	.22683	.00537	.01139	.01095	.01654	.11281	3.1873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00877**	**.22001**	**.01089**	**.02106**	**1.1208**	**.04456**	**3.0802**	**.01009**	**.41131**	**.01154**	**.01310**	**.53860**	**1.1526**	**.11024**
Stddev	.00137	.00124	.00002	.00027	.0021	.00005	.0012	.00220	.00381	.00181	.00104	.01942	.0415	.00038
%RSD	15.614	.56249	.15204	1.2852	.18996	.10546	.04023	21.780	.92649	15.690	7.9654	3.6052	3.6052	.34303
#1	.00974	.21913	.01088	.02087	1.1223	.04453	3.0793	.01165	.40862	.01282	.01236	.52487	1.1232	.11051
#2	.00780	.22088	.01090	.02125	1.1193	.04460	3.0811	.00854	.41401	.01026	.01383	.55233	1.1820	.10997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.01692**	**.00995**	**.01744**	**.05893**	**.01085**	**.02452**	**.01745**
Stddev	.00013	.00008	.00016	.00016	.00120	.00038	.00009	.00149
%RSD	1.1696	.49059	1.6223	.92902	2.0394	3.4691	.37025	8.5400
#1	.01063	.01686	.00983	.01756	.05978	.01058	.02458	.01640
#2	.01081	.01698	.01006	.01733	.05808	.01111	.02445	.01851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8408.9**	**113960.**	**6699.6**
Stddev	37.6	212.	17.4
%RSD	.44765	.18634	.25909
#1	8435.5	114110.	6711.9
#2	8382.2	113810.	6687.4

Sample Name: 280-48798-j-1-a Acquired: 11/11/2013 19:33:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.15791**	**.00457**	**2.2471**	**.03136**	**-.00002**	F **.21023**	**58.645**	**-.00013**	**.00428**
Stddev	.00051	.00017	.00384	.0021	.00000	.00008	.00067	.148	.00006	.00014
%RSD	366.96	.10934	83.840	.09287	.00245	448.63	.31727	.25276	41.605	3.2179
#1	-.00022	.15779	.00186	2.2486	.03136	.00004	.21070	58.540	-.00010	.00418
#2	.00050	.15804	.00729	2.2456	.03136	-.00008	.20976	58.750	-.00017	.00437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32698**	**.13674**	**73.537**	F **699.00**	**.00965**	**4.7844**	**.34376**	**.01362**	RW **1166.9**	**.14118**
Stddev	.00070	.00043	.262	1.00	.00089	.0004	.00037	.00012	5.1	.00091
%RSD	.21550	.31202	.35568	.14342	9.1690	.00919	.10791	.89147	.43675	.64277
#1	.32748	.13704	73.352	698.29	.01028	4.7841	.34350	.01370	1163.3	.14182
#2	.32649	.13644	73.722	699.71	.00903	4.7847	.34402	.01353	1170.5	.14054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.281**	**.00056**	W **187.03**	**.00581**	**-.00083**	**5.2882**	**11.317**	W **17.896**	**.17602**	**.00049**
Stddev	.003	.00104	.10	.00332	.00127	.0911	.195	.024	.00058	.00008
%RSD	.02816	183.79	.05493	57.156	152.18	1.7219	1.7219	.13481	.33027	16.177
#1	12.279	-.00017	187.10	.00816	.00006	5.2238	11.179	17.879	.17560	.00043
#2	12.283	.00130	186.95	.00346	-.00173	5.3526	11.455	17.914	.17643	.00055
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02113**	**.00050**	**.02358**	**.00306**	**.15493**	**.00445**
Stddev	.00033	.00005	.02146	.00039	.00089	.00175
%RSD	1.5513	10.119	91.043	12.641	.57537	39.248
#1	.02136	.00054	.03875	.00279	.15556	.00322
#2	.02089	.00047	.00840	.00334	.15430	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7438.0**	**96058.**	**6550.0**
Stddev	3.9	120.	.6
%RSD	.05268	.12497	.00924
#1	7440.8	96143.	6550.4
#2	7435.2	95973.	6549.6

Sample Name: 280-48769-a-2-b@100 Acquired: 11/11/2013 19:36:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.22526**	**.00131**	**.00983**	**.00173**	**-.00001**	**-.00029**	**.60387**	**.00008**	**.00017**
Stddev	.00016	.00015	.00064	.00024	.00030	.00009	.00084	.00654	.00016	.00005
%RSD	11.478	.06584	48.756	2.4094	17.055	1601.2	289.98	1.0833	196.90	26.013
#1	.00148	.22516	.00176	.01000	.00194	.00006	.00030	.59925	-.00003	.00014
#2	.00126	.22537	.00086	.00966	.00153	-.00007	-.00088	.60850	.00019	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00090**	**.26731**	**14.198**	**-.00336**	**.16550**	W **15.476**	**-.00102**	**20.141**	**.00145**
Stddev	.00006	.00023	.00240	.023	.00180	.00051	.070	.00003	.507	.00004
%RSD	5.0422	24.907	.89940	.16142	53.487	.30810	.45327	3.2515	2.5182	2.7685
#1	.00123	.00075	.26561	14.214	-.00464	.16586	15.526	-.00104	19.783	.00148
#2	.00114	.00106	.26901	14.182	-.00209	.16514	15.427	-.00099	20.500	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01600**	**.00548**	**41.639**	**-.00008**	**-.00013**	**.28094**	**.60121**	F **37.722**	**.00335**	**.00133**
Stddev	.00068	.00010	.048	.00317	.00186	.00116	.00249	.013	.00014	.00002
%RSD	4.2703	1.8404	.11636	4165.1	1470.3	.41434	.41434	.03326	4.0825	1.7768
#1	.01648	.00541	41.673	-.00232	-.00144	.28012	.59945	37.713	.00325	.00135
#2	.01552	.00555	41.604	.00216	.00119	.28176	.60297	37.731	.00345	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								20.000		
Low Limit								-.10000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00791**	**-.00852**	W **-.07926**	**.00341**	**.01444**	**.00283**
Stddev	.00010	.00034	.01524	.00021	.00048	.00090
%RSD	1.2965	3.9440	19.232	6.1484	3.3232	31.869
#1	.00798	-.00828	-.09004	.00326	.01410	.00347
#2	.00784	-.00876	-.06848	.00356	.01478	.00219
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8182.2**	**109220.**	**6513.9**
Stddev	6.1	400.	50.2
%RSD	.07513	.36598	.77014
#1	8186.5	109500.	6549.4
#2	8177.8	108930.	6478.4

Sample Name: 280-48833-d-1-b Acquired: 11/11/2013 19:38:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**60.538**	**.00752**	**.00590**	**.01809**	**.01028**	**-.01042**	**342.46**	**.06449**	**.25058**
Stddev	.00004	.139	.00397	.00065	.00048	.00009	.00022	7.97	.00010	.00069
%RSD	4.3718	.22988	52.767	11.005	2.6520	.86955	2.1215	2.3264	.15589	.27543
#1	.00081	60.440	.01032	.00544	.01843	.01022	-.01058	348.10	.06442	.25009
#2	.00086	60.636	.00471	.00635	.01776	.01034	-.01026	336.83	.06456	.25107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00602**	W **12.609**	**85.001**	**4.5860**	**.03881**	**41.299**	W **14.924**	**-.00121**	**63.447**	**.27907**
Stddev	.00011	.031	.148	.0577	.00027	.045	.009	.00010	.754	.00021
%RSD	1.8985	.24698	.17404	1.2579	.69431	.11009	.06325	8.7077	1.1889	.07700
#1	.00594	12.587	84.896	4.6268	.03900	41.267	14.917	-.00113	62.913	.27892
#2	.00610	12.631	85.105	4.5452	.03862	41.331	14.930	-.00128	63.980	.27922
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.01000					-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**.06102**	F **520.00**	**-.00127**	**-.00181**	**15.887**	**33.998**	**.00700**	**1.1090**	**.00569**
Stddev	.00127	.00036	1.38	.00241	.00163	.052	.111	.00061	.0055	.00234
%RSD	72.899	.58463	.26485	189.69	89.751	.32608	.32608	8.6889	.49616	41.089
#1	.00264	.06127	519.02	.00043	-.00297	15.850	33.920	.00743	1.1051	.00734
#2	.00084	.06077	520.97	-.00297	-.00066	15.924	34.077	.00657	1.1129	.00404
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00636**	F **-.17955**	**.00227**	**6.9712**	**.00160**
Stddev	.00019	.00021	.04890	.00031	.0124	.00080
%RSD	85.830	3.3795	27.237	13.671	.17820	49.867
#1	-.00009	-.00621	-.21413	.00205	6.9624	.00216
#2	-.00035	-.00651	-.14497	.00249	6.9799	.00103
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8396.8**	**109260.**	**6915.6**
Stddev	55.1	429.	104.4
%RSD	.65653	.39247	1.5100
#1	8357.8	108960.	6841.7
#2	8435.8	109560.	6989.4

Sample Name: 280-48833-d-2-b Acquired: 11/11/2013 19:41:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**1.6559**	**-.00225**	**.00832**	**.03408**	**.00002**	**-.00045**	W **643.61**	**.00087**	**.00128**
Stddev	.00011	.0049	.00030	.00031	.00004	.00007	.00220	22.81	.00013	.00005
%RSD	35.893	.29326	13.508	3.7703	.11472	283.02	491.73	3.5437	15.415	3.6234
#1	.00024	1.6525	-.00247	.00809	.03405	-.00002	-.00201	627.48	.00078	.00125
#2	.00040	1.6593	-.00204	.00854	.03411	.00007	.00111	659.73	.00097	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.01462**	**.00970**	**5.3389**	**.04224**	**20.265**	**1.2451**	**.00242**	**79.527**	**.00307**
Stddev	.00003	.00025	.00388	.0282	.00375	.078	.0022	.00020	.970	.00041
%RSD	172.46	1.7028	40.029	.52876	8.8765	.38480	.18101	8.1696	1.2201	13.292
#1	.00000	.01479	.00695	5.3190	.04489	20.321	1.2467	.00228	80.213	.00278
#2	.00004	.01444	.01244	5.3589	.03959	20.210	1.2435	.00256	78.841	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	**-.00188**	F **568.16**	**-.00082**	**-.00387**	**.17679**	**.37834**	**.00261**	**1.3317**	**-.00107**
Stddev	.00056	.00148	1.42	.00005	.00065	.01992	.04264	.00054	.0060	.00199
%RSD	23.778	78.824	.24989	6.3130	16.741	11.269	11.269	20.817	.44886	186.66
#1	-.00276	-.00292	567.16	-.00078	-.00341	.19088	.40849	.00299	1.3359	.00034
#2	-.00197	-.00083	569.17	-.00085	-.00433	.16271	.34819	.00222	1.3274	-.00248
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00242**	**-.01365**	**.00081**	**.01218**	**.00178**
Stddev	.00046	.00016	.00693	.00014	.00014	.00192
%RSD	79.994	6.7207	50.819	17.920	1.1460	108.18
#1	-.00025	.00254	-.00874	.00071	.01208	.00313
#2	-.00089	.00231	-.01855	.00091	.01227	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7622.2**	**101820.**	**6590.3**
Stddev	10.6	519.	1.6
%RSD	.13897	.50997	.02426
#1	7614.8	101460.	6589.1
#2	7629.7	102190.	6591.4

Sample Name: 280-48833-d-3-b Acquired: 11/11/2013 19:43:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	W **2.5143**	W **2.6674**	**.00055**	**.00290**	**.02640**	**.00038**	**-.00090**	**75.521**	**.00295**
Stddev	.00019	.0010	.0531	.00106	.00005	.00008	.00006	.00115	.401	.00007
%RSD	83.680	.04056	1.9916	193.26	1.6429	.28852	16.791	128.21	.53103	2.2875
#1	.00009	2.5150	2.6298	-.00020	.00286	.02646	.00034	-.00008	75.238	.00290
#2	.00036	2.5136	2.7049	.00130	.00293	.02635	.00043	-.00171	75.805	.00300
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01522**	**.00014**	**.36147**	**1.1586**	**2.0252**	**.00381**	**7.8001**	**1.3696**	**-.00024**	**8.4533**
Stddev	.00011	.00012	.00027	.0031	.0047	.00220	.0165	.0000	.00033	.0065
%RSD	.74074	81.755	.07539	.26755	.23197	57.630	.21222	.00244	136.36	.07659
#1	.01530	.00022	.36128	1.1564	2.0285	.00226	7.7884	1.3696	-.00001	8.4487
#2	.01514	.00006	.36166	1.1608	2.0218	.00536	7.8118	1.3695	-.00047	8.4579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02224**	**-.00183**	**.00016**	**80.203**	**-.00172**	**-.00232**	**8.2406**	**17.635**	**.00561**	**.30392**
Stddev	.00009	.00056	.00120	.109	.00233	.00168	.0310	.066	.00186	.00161
%RSD	.39582	30.711	751.60	.13597	135.74	72.645	.37607	.37607	33.168	.52873
#1	.02230	-.00143	-.00069	80.281	-.00007	-.00113	8.2187	17.588	.00693	.30279
#2	.02218	-.00222	.00101	80.126	-.00336	-.00351	8.2625	17.682	.00430	.30506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00040**	**-.00041**	**.00635**	**.00045**	**.54870**	**.00219**
Stddev	.00052	.00002	.00034	.01160	.00013	.00056	.00182
%RSD	97.304	3.8872	84.337	182.62	28.419	.10212	83.141
#1	-.00017	-.00041	-.00016	.01455	.00054	.54909	.00090
#2	-.00090	-.00039	-.00065	-.00185	.00036	.54830	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8321.7**	**111320.**	**6785.9**
Stddev	12.6	159.	25.2
%RSD	.15165	.14301	.37140
#1	8330.6	111200.	6803.7
#2	8312.8	111430.	6768.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:45:57 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00731**	**52.400**	**.00347**	**.00177**	**-.00014**	**-.00003**	W **1.0807**	**.05504**	**-.00018**	**-.00034**	**.00010**	**.01279**
Stddev	.00028	.172	.00177	.00034	.00006	.00001	.0066	.01322	.00029	.00004	.00010	.00025
%RSD	3.8278	.32767	50.943	19.445	47.029	38.056	.61460	24.012	162.93	11.515	95.518	1.9560
#1	.00711	52.521	.00222	.00152	-.00009	-.00002	1.0854	.06438	.00003	-.00031	.00017	.01261
#2	.00751	52.278	.00472	.00201	-.00018	-.00004	1.0760	.04569	-.00039	-.00037	.00003	.01297
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.708**	**.37105**	**-.00020**	**.08590**	**.00147**	**-.00018**	**265.68**	**-.00009**	**-.00220**	**.00061**	F **5.6297**	**.00074**
Stddev	.033	.00195	.00180	.00024	.00002	.00001	.12	.00027	.00085	.00054	.0037	.00092
%RSD	.06443	.52684	901.54	.28243	1.2128	5.1518	.04477	283.21	38.405	89.115	.06655	124.61
#1	51.685	.37244	-.00147	.08573	.00146	-.00017	265.77	.00009	-.00280	.00099	5.6271	.00139
#2	51.732	.36967	.00107	.08607	.00148	-.00018	265.60	-.00028	-.00160	.00022	5.6324	.00009
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00206**	**.01481**	**.03170**	**.00124**	**.00026**	**5.0558**	**-.01346**	**.00178**	F **6.3681**	**.00187**	**.00076**	**.06552**
Stddev	.00296	.01676	.03586	.00041	.00003	.0073	.00001	.00002	.0050	.00046	.00019	.00092
%RSD	143.88	113.12	113.12	32.998	10.546	.14530	.10860	.89846	.07883	24.561	25.028	1.4094
#1	-.00415	.02666	.05705	.00095	.00024	5.0506	-.01345	.00177	6.3716	.00220	.00063	.06617
#2	.00004	.00296	.00634	.00153	.00028	5.0610	-.01347	.00179	6.3645	.00155	.00090	.06487
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8147.4**	**107210.**	**6598.8**
Stddev	46.6	48.	13.9
%RSD	.57159	.04467	.21017
#1	8114.5	107180.	6589.0
#2	8180.3	107250.	6608.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:48:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50230**	**.52943**	**.99693**	**.50493**	**.50340**	**.49743**	**-.00255**	**5.1377**	**.50623**	**.50555**	**.50649**	**.50906**	**2.5111**
Stddev	.00129	.00149	.00322	.00063	.00364	.00072	.00017	.0082	.00026	.00022	.00034	.00224	.0022
%RSD	.25666	.28187	.32326	.12485	.72309	.14392	6.6943	.15968	.05156	.04417	.06748	.43912	.08620
#1	.50139	.52838	.99921	.50448	.50083	.49794	-.00267	5.1435	.50641	.50571	.50674	.50748	2.5096
#2	.50321	.53049	.99465	.50537	.50598	.49693	-.00243	5.1319	.50604	.50539	.50625	.51064	2.5127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.262**	**1.0026**	**19.970**	**.49844**	**.51246**	**5.3094**	**.51029**	**1.0075**	**1.0339**	**.35788**	**1.0129**	**1.0096**	**4.9610**
Stddev	.180	.0043	.025	.00044	.00222	.0012	.00031	.0012	.0003	.00265	.0018	.0024	.0003
%RSD	.35162	.43120	.12578	.08848	.43260	.02279	.06099	.12145	.02444	.73986	.18173	.23788	.00603
#1	51.135	.99956	19.952	.49813	.51090	5.3103	.51051	1.0066	1.0337	.35601	1.0116	1.0079	4.9608
#2	51.389	1.0057	19.987	.49875	.51403	5.3086	.51007	1.0083	1.0341	.35975	1.0142	1.0113	4.9612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.617**	**1.0214**	**.50186**	**-.00518**	**.49695**	**1.0332**	**.02860**	**.49991**	**.50300**	**.50859**
Stddev	.001	.0029	.00348	.00108	.00250	.0069	.01588	.00139	.00099	.00094
%RSD	.00603	.28190	.69427	20.806	.50377	.67051	55.537	.27748	.19612	.18437
#1	10.616	1.0193	.49939	-.00594	.49518	1.0283	.03983	.49893	.50230	.50925
#2	10.617	1.0234	.50432	-.00442	.49872	1.0381	.01737	.50089	.50369	.50793
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8304.7**	**111900.**	**6769.3**
Stddev	22.4	128.	30.7
%RSD	.26970	.11427	.45366
#1	8320.6	112000.	6791.0
#2	8288.9	111810.	6747.6

Sample Name: CCB Acquired: 11/11/2013 19:50:25 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00040**	**.00151**	**.00127**	**.00008**	**.00002**	**.00153**	**.02056**	**.00004**	**.00017**	**.00001**	**-.00009**
Stddev	.00009	.00106	.00038	.00010	.00022	.00016	.00123	.00158	.00013	.00016	.00003	.00097
%RSD	13.018	264.61	25.365	8.2280	291.41	809.60	80.068	7.6924	312.82	92.595	262.16	1057.7
#1	.00076	.00115	.00178	.00135	.00024	-.00009	.00066	.01944	.00013	.00029	-.00001	-.00078
#2	.00063	-.00035	.00124	.00120	-.00008	.00013	.00240	.02168	-.00005	.00006	.00003	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.14491**	**-.00242**	**.00375**	F **.00082**	**.00028**	W **.10085**	**.00064**	**-.00291**	**-.00016**	F **.36435**	F **.00693**
Stddev	.00170	.02542	.00411	.00209	.00024	.00036	.01261	.00018	.00077	.00068	.00234	.00304
%RSD	72.206	17.542	170.29	55.636	29.275	127.78	12.508	27.665	26.454	432.22	.64290	43.860
#1	.00356	.12693	.00049	.00227	.00065	.00003	.09193	.00076	-.00345	-.00064	.36600	.00478
#2	.00115	.16288	-.00532	.00522	.00099	.00054	.10977	.00051	-.00237	.00032	.36269	.00907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					.00050		.09160				.20000	.00628
Low Limit					-.00050		-.09160				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.01221**	**.02614**	**.00170**	**.00012**	**.00042**	**-.00037**	**.00027**	**.01166**	**.00022**	**.00299**	**.00162**
Stddev	.00084	.00285	.00609	.00047	.00004	.00035	.00015	.00079	.02320	.00018	.00032	.00287
%RSD	71.952	23.294	23.294	27.907	35.874	83.313	40.426	289.79	199.00	80.707	10.795	177.33
#1	.00057	.01020	.02183	.00136	.00009	.00066	-.00047	.00083	-.00475	.00009	.00276	-.00041
#2	.00175	.01423	.03044	.00203	.00015	.00017	-.00026	-.00029	.02806	.00034	.00322	.00365
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.2**	**111060.**	**6563.7**
Stddev	12.6	948.	11.4
%RSD	.15215	.85326	.17382
#1	8265.1	110390.	6571.8
#2	8247.3	111730.	6555.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 19:52:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.11008**	**.01617**	**.10019**	**.01005**	**.00097**	**.11995**	**.23742**	**.00522**	**.01084**	**.01037**	**.01578**	**.10678**	**3.2145**
Stddev	.00006	.00040	.00048	.00064	.00012	.00001	.00103	.00114	.00017	.00024	.00001	.00009	.00154	.0446
%RSD	.56394	.36059	2.9686	.64336	1.2022	1.4953	.86162	.47905	3.2861	2.1826	.10194	.57538	1.4406	1.3871
#1	.01070	.11036	.01650	.09973	.00997	.00096	.11922	.23822	.00509	.01067	.01036	.01571	.10569	3.1829
#2	.01079	.10980	.01583	.10064	.01014	.00098	.12068	.23661	.00534	.01100	.01037	.01584	.10787	3.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00777**	**.21202**	**.01068**	**.02022**	**1.1272**	**.04238**	**2.9614**	**.00873**	**.33442**	**.01050**	**.01385**	**.51379**	**1.0995**	**.10670**
Stddev	.00468	.00126	.00003	.00002	.0025	.00019	.0038	.00004	.00182	.00126	.00177	.00106	.0023	.00104
%RSD	60.185	.59220	.27644	.12035	.22405	.44332	.12955	.41588	.54506	12.018	12.761	.20667	.20667	.97308
#1	.01108	.21291	.01066	.02023	1.1290	.04252	2.9641	.00870	.33313	.01139	.01260	.51304	1.0979	.10596
#2	.00446	.21113	.01070	.02020	1.1254	.04225	2.9586	.00876	.33571	.00961	.01510	.51454	1.1011	.10743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.01535**	**.00964**	**.01673**	**.06101**	**.01020**	**.02477**	**.01689**
Stddev	.00014	.00040	.00037	.00104	.05480	.00027	.00041	.00102
%RSD	1.3460	2.6169	3.8700	6.2176	89.825	2.6066	1.6400	6.0660
#1	.01028	.01564	.00990	.01600	.09976	.01001	.02506	.01761
#2	.01047	.01507	.00938	.01747	.02226	.01039	.02449	.01616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.8**	**112090.**	**6571.9**
Stddev	11.3	242.	71.1
%RSD	.13612	.21560	1.0823
#1	8327.7	111920.	6622.2
#2	8343.8	112260.	6521.6

Sample Name: mb 280-199795/1-a Acquired: 11/11/2013 19:54:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.01810**	**.00202**	**.00059**	**.00002**	**.00006**	**.00024**	**.05819**	**.00002**	**.00028**
Stddev	.00047	.01771	.00234	.00004	.00060	.00002	.00033	.00156	.00002	.00004
%RSD	92.083	97.830	115.66	7.0752	3887.7	41.760	139.04	2.6733	74.210	13.337
#1	.00018	.03062	.00367	.00062	.00044	.00008	.00047	.05709	.00004	.00025
#2	.00084	.00558	.00037	.00056	-.00041	.00004	.00000	.05929	.00001	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00070**	**.01807**	**.09051**	**-.00252**	**.00726**	**.00072**	**.00015**	**.10302**	**.00054**
Stddev	.00018	.00029	.00007	.08921	.00011	.00159	.00029	.00014	.01043	.00006
%RSD	128.14	41.869	.40434	98.563	4.4500	21.895	39.925	95.287	10.120	11.643
#1	.00027	.00049	.01812	.15359	-.00260	.00614	.00052	.00025	.09564	.00059
#2	.00001	.00090	.01802	.02743	-.00244	.00839	.00092	.00005	.11039	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00036**	**F .40679**	**-.00141**	**-.00192**	**.01202**	**.02572**	**.00709**	**.00007**	**-.00085**
Stddev	.00338	.00063	.12670	.00087	.00391	.00882	.01887	.00320	.00002	.00300
%RSD	521.05	174.07	31.147	61.939	203.38	73.380	73.380	45.129	32.202	352.12
#1	.00174	-.00080	.49638	-.00079	.00084	.00578	.01237	.00936	.00006	.00127
#2	-.00303	.00008	.31720	-.00203	-.00468	.01825	.03906	.00483	.00009	-.00297
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00038**	**.01904**	**.00000**	**.00392**	**.00273**
Stddev	.00019	.00196	.03476	.00003	.00011	.00004
%RSD	103.28	508.34	182.54	860.27	2.7543	1.5682
#1	-.00033	.00177	-.00554	-.00002	.00384	.00269
#2	-.00005	-.00100	.04362	.00002	.00399	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.3**	**114200.**	**6680.1**
Stddev	13.5	251.	31.5
%RSD	.15985	.21991	.47199
#1	8478.9	114030.	6657.8
#2	8459.8	114380.	6702.4

Sample Name: lcs 280-199795/2-a Acquired: 11/11/2013 19:57:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04693**	**1.8350**	**.90783**	**.90373**	**1.8736**	**.04605**	**2.0632**	**45.682**	**.09677**	**.45457**
Stddev	.00021	.0020	.00161	.00199	.0081	.00037	.0083	.287	.00004	.00036
%RSD	.44910	.11067	.17724	.22071	.43109	.81381	.40301	.62740	.04205	.07905
#1	.04678	1.8336	.90669	.90515	1.8679	.04578	2.0691	45.479	.09680	.45432
#2	.04708	1.8365	.90897	.90232	1.8793	.04631	2.0573	45.885	.09675	.45482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18673**	**.23577**	**.93878**	**47.837**	**.93302**	**45.313**	**.45299**	**.93545**	**49.732**	**.45785**
Stddev	.00022	.00072	.00571	.193	.00424	.001	.00012	.00186	.023	.00073
%RSD	.11921	.30490	.60853	.40381	.45446	.00283	.02540	.19840	.04640	.15854
#1	.18657	.23526	.93474	47.701	.93002	45.314	.45307	.93676	49.716	.45837
#2	.18689	.23628	.94282	47.974	.93602	45.312	.45291	.93413	49.748	.45734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3159**	**.45318**	**2.1805**	**.43477**	**1.7887**	**1.4403**	**3.0823**	**1.8426**	**.93204**	**.91259**
Stddev	.0180	.00091	.0009	.00288	.0078	.0067	.0144	.0008	.00527	.00220
%RSD	.19331	.20004	.04279	.66200	.43467	.46579	.46579	.04558	.56567	.24080
#1	9.3286	.45254	2.1812	.43680	1.7942	1.4451	3.0924	1.8432	.92831	.91103
#2	9.3031	.45382	2.1799	.43273	1.7832	1.4356	3.0721	1.8420	.93576	.91414
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91476**	**1.7859**	**1.9974**	**.46193**	**.45650**	**.48101**
Stddev	.00083	.0000	.0446	.00015	.00070	.00672
%RSD	.09126	.00066	2.2341	.03163	.15255	1.3968
#1	.91417	1.7858	2.0290	.46183	.45601	.47626
#2	.91535	1.7859	1.9659	.46204	.45699	.48576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.3**	**107540.**	**6574.0**
Stddev	6.7	424.	7.5
%RSD	.08341	.39396	.11480
#1	8024.6	107240.	6568.7
#2	8034.1	107840.	6579.3

Sample Name: 280-48859-a-1-a Acquired: 11/11/2013 19:59:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**46.908**	**.03667**	**.06707**	**.52202**	**.00241**	**-.01593**	**491.52**	**.01463**	**.03618**
Stddev	.00071	.216	.00060	.00032	.00030	.00006	.00405	6.74	.00014	.00009
%RSD	25.274	.46116	1.6230	.48348	.05717	2.4768	25.437	1.3708	.93043	.25489
#1	.00231	47.061	.03625	.06729	.52223	.00246	-.01879	486.75	.01453	.03625
#2	.00332	46.755	.03709	.06684	.52181	.00237	-.01306	496.28	.01473	.03612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51486**	**.41535**	**97.535**	**9.8848**	**.09621**	**178.83**	**2.7534**	**.00936**	**2.0078**	**.11631**
Stddev	.00058	.00018	.539	.0236	.00054	.07	.0016	.00061	.0061	.00057
%RSD	.11277	.04453	.55272	.23874	.55727	.04138	.05858	6.5668	.30374	.49340
#1	.51445	.41548	97.917	9.9015	.09659	178.78	2.7522	.00893	2.0034	.11590
#2	.51527	.41521	97.154	9.8681	.09584	178.89	2.7545	.00980	2.0121	.11671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6779**	**.68810**	**10.650**	**.00418**	**.00387**	**2.7921**	**5.9752**	**.03790**	**.53316**	**.01848**
Stddev	.0112	.00112	.019	.00055	.00302	.0036	.0077	.00044	.00132	.00207
%RSD	.16790	.16336	.17602	13.089	77.942	.12865	.12865	1.1728	.24750	11.183
#1	6.6700	.68730	10.637	.00380	.00601	2.7947	5.9806	.03821	.53409	.01994
#2	6.6859	.68889	10.663	.00457	.00174	2.7896	5.9697	.03758	.53223	.01702
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1185**	**.00048**	W **-.09756**	**.11847**	**1.7041**	**.04644**
Stddev	.0019	.00129	.01194	.00010	.0047	.00119
%RSD	.17068	266.88	12.235	.08375	.27390	2.5614
#1	1.1199	-.00043	-.10600	.11840	1.7008	.04728
#2	1.1172	.00139	-.08912	.11854	1.7074	.04559
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8072.1**	**104910.**	**6829.0**
Stddev	16.9	340.	18.6
%RSD	.20925	.32360	.27301
#1	8084.1	105150.	6815.8
#2	8060.2	104670.	6842.2

Sample Name: 280-48859-a-2-a Acquired: 11/11/2013 20:01:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**66.924**	**.06404**	**.07922**	**.70278**	**.00378**	**-.02079**	**422.57**	**.03922**	**.04535**
Stddev	.00003	.931	.00185	.00010	.01257	.00005	.00070	4.42	.00006	.00005
%RSD	.23279	1.3916	2.8938	.12757	1.7880	1.4077	3.3600	1.0466	.16287	.11757
#1	.01082	67.583	.06273	.07915	.71167	.00381	-.02129	419.44	.03927	.04539
#2	.01079	66.266	.06535	.07929	.69390	.00374	-.02030	425.70	.03918	.04532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6378**	**.56331**	**126.27**	**13.327**	**.12067**	**170.51**	**3.1362**	**.01215**	**1.6943**	**.17092**
Stddev	.0007	.00173	1.53	.308	.00005	.08	.0066	.00031	.0520	.00048
%RSD	.04542	.30746	1.2147	2.3133	.03937	.04871	.20882	2.5109	3.0681	.28113
#1	1.6373	.56453	127.35	13.545	.12064	170.45	3.1316	.01237	1.7311	.17058
#2	1.6383	.56208	125.18	13.109	.12071	170.57	3.1409	.01194	1.6576	.17126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3568**	**1.8122**	**13.047**	**.00361**	**.00364**	**3.1951**	**6.8374**	**.07305**	**.55025**	**.02461**
Stddev	.0143	.0017	.027	.00085	.00015	.0471	.1007	.00034	.00912	.00023
%RSD	.15327	.09620	.20893	23.581	4.2272	1.4727	1.4727	.46773	1.6582	.94767
#1	9.3466	1.8110	13.027	.00421	.00353	3.2283	6.9086	.07281	.55671	.02445
#2	9.3669	1.8135	13.066	.00301	.00375	3.1618	6.7662	.07329	.54380	.02478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2606**	**-.00073**	F **-.14578**	**.16120**	**2.9769**	**.05922**
Stddev	.0011	.00163	.04377	.00007	.0004	.00145
%RSD	.09043	223.62	30.022	.04250	.01194	2.4523
#1	1.2614	.00042	-.17673	.16115	2.9766	.06025
#2	1.2597	-.00188	-.11484	.16125	2.9772	.05820
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.9**	**107230.**	**6905.1**
Stddev	29.0	4.	94.2
%RSD	.35349	.00412	1.3644
#1	8176.4	107230.	6838.5
#2	8217.4	107240.	6971.7

Sample Name: 280-48859-a-4-a Acquired: 11/11/2013 20:04:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**36.309**	**.03005**	**.05864**	**.42388**	**.00190**	**-.01348**	W **612.67**	**.00844**	**.02862**
Stddev	.00001	.281	.00175	.00009	.00221	.00005	.00089	11.38	.00001	.00017
%RSD	.44370	.77262	5.8319	.16079	.52230	2.8065	6.6376	1.8567	.13653	.60029
#1	.00181	36.111	.03129	.05857	.42231	.00186	-.01411	604.62	.00845	.02850
#2	.00180	36.507	.02882	.05870	.42544	.00194	-.01285	620.71	.00843	.02874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55136**	**.15921**	**78.909**	**6.8222**	**.08256**	**191.78**	**2.4542**	**.00386**	**1.4063**	**.08081**
Stddev	.00010	.00061	.475	.0034	.00181	.12	.0125	.00008	.0181	.00030
%RSD	.01818	.38303	.60146	.04954	2.1955	.06278	.51013	1.9536	1.2907	.36851
#1	.55143	.15878	78.573	6.8198	.08128	191.87	2.4453	.00392	1.3935	.08102
#2	.55129	.15964	79.245	6.8246	.08384	191.69	2.4630	.00381	1.4191	.08060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0850**	**.44883**	**12.071**	**.00481**	**.00436**	**3.3336**	**7.1338**	**.02211**	**.58151**	**.01540**
Stddev	.0053	.00207	.010	.00289	.00169	.0311	.0666	.00028	.00224	.00100
%RSD	.12969	.46056	.08410	60.043	38.681	.93323	.93323	1.2766	.38509	6.5013
#1	4.0813	.44737	12.078	.00277	.00555	3.3556	7.1809	.02191	.57993	.01469
#2	4.0888	.45030	12.063	.00686	.00317	3.3116	7.0868	.02231	.58309	.01611
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1776**	**.00014**	F **-.10458**	**.10109**	**.76103**	**.04218**
Stddev	.0027	.00041	.04750	.00000	.00224	.00117
%RSD	.23014	298.72	45.415	.00239	.29380	2.7633
#1	1.1795	.00043	-.13817	.10109	.76261	.04136
#2	1.1757	-.00015	-.07100	.10109	.75945	.04301
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8106.9**	**105800.**	**6992.2**
Stddev	10.3	198.	39.0
%RSD	.12720	.18668	.55728
#1	8114.2	105660.	7019.8
#2	8099.6	105940.	6964.7

Sample Name: 280-48859-a-6-c Acquired: 11/11/2013 20:06:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**59.776**	**.01478**	**.08034**	**.70196**	**.00270**	**-.01961**	W **886.29**	**.00292**	**.04161**
Stddev	.00031	.350	.00183	.00139	.00491	.00000	.00278	1.94	.00002	.00018
%RSD	86.700	.58544	12.410	1.7279	.69880	.05906	14.153	.21848	.59788	.42141
#1	-.00014	59.529	.01348	.08132	.69849	.00270	-.01765	887.66	.00293	.04173
#2	-.00058	60.024	.01608	.07936	.70543	.00270	-.02157	884.92	.00291	.04148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11509**	**.10435**	**124.89**	**11.645**	**.14087**	**198.00**	**5.7328**	**.00277**	**2.0876**	**.09935**
Stddev	.00024	.00030	.41	.022	.00191	.68	.0454	.00009	.0060	.00018
%RSD	.21210	.28915	.32735	.18748	1.3550	.34317	.79235	3.2771	.28767	.18457
#1	.11526	.10457	124.60	11.629	.13952	197.52	5.7007	.00283	2.0918	.09922
#2	.11492	.10414	125.18	11.660	.14222	198.48	5.7649	.00270	2.0834	.09948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7881**	**.04428**	**8.7024**	**.00325**	**.00324**	**2.9873**	**6.3928**	**.00820**	**.88622**	**.02676**
Stddev	.0032	.00052	.0119	.00027	.00267	.0121	.0259	.00081	.00676	.00050
%RSD	.06713	1.1717	.13689	8.3142	82.590	.40462	.40462	9.9074	.76232	1.8678
#1	4.7858	.04391	8.7108	.00344	.00135	2.9787	6.3745	.00763	.88144	.02711
#2	4.7903	.04465	8.6940	.00306	.00513	2.9958	6.4111	.00878	.89100	.02641
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4008**	**-.00190**	F **-.13114**	**.14089**	**.35232**	**.07128**
Stddev	.0005	.00035	.01415	.00004	.00157	.00021
%RSD	.03836	18.263	10.788	.02728	.44687	.29068
#1	1.4011	-.00215	-.14115	.14092	.35121	.07142
#2	1.4004	-.00166	-.12114	.14087	.35343	.07113
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8124.2**	**106110.**	**7152.6**
Stddev	7.8	180.	38.8
%RSD	.09582	.17001	.54188
#1	8118.7	105980.	7180.0
#2	8129.7	106230.	7125.2

Sample Name: 280-48859-a-8-a Acquired: 11/11/2013 20:09:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**74.184**	**.01451**	**.09869**	**.58871**	**.00335**	**-.02521**	W **806.08**	**.00231**	**.04845**
Stddev	.00056	.689	.00240	.00034	.00340	.00007	.00045	6.70	.00019	.00008
%RSD	11128.	.92850	16.539	.34314	.57810	2.1678	1.8045	.83100	8.1523	.15785
#1	.00040	73.697	.01281	.09893	.58630	.00330	-.02553	810.82	.00244	.04850
#2	-.00039	74.671	.01620	.09845	.59111	.00341	-.02489	801.34	.00217	.04839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13560**	**.10292**	**126.82**	**16.941**	**.18470**	**233.40**	**5.0955**	**.00240**	**1.7283**	**.12233**
Stddev	.00003	.00001	.96	.057	.00229	2.04	.0655	.00005	.0027	.00014
%RSD	.02205	.00553	.75544	.33533	1.2405	.87356	1.2865	2.2634	.15801	.11230
#1	.13558	.10292	127.49	16.901	.18308	231.96	5.1419	.00243	1.7263	.12243
#2	.13562	.10291	126.14	16.981	.18632	234.84	5.0492	.00236	1.7302	.12223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3225**	**.04801**	**5.5426**	**.00278**	**.00031**	**3.4850**	**7.4579**	**.00731**	**.77210**	**.02893**
Stddev	.0050	.00007	.0092	.00147	.00042	.0099	.0211	.00034	.00416	.00169
%RSD	.11484	.15149	.16572	52.690	135.95	.28323	.28323	4.7040	.53935	5.8508
#1	4.3190	.04806	5.5490	.00382	.00061	3.4920	7.4728	.00707	.76916	.02773
#2	4.3260	.04796	5.5361	.00175	.00001	3.4780	7.4429	.00755	.77505	.03012
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8153**	**-.00166**	F **-.13000**	**.15756**	**.32927**	**.10377**
Stddev	.0011	.00179	.04666	.00056	.00250	.00121
%RSD	.06029	107.61	35.892	.35367	.76053	1.1665
#1	1.8160	-.00293	-.09701	.15795	.33104	.10463
#2	1.8145	-.00040	-.16299	.15717	.32750	.10292
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.6**	**106660.**	**7160.2**
Stddev	18.3	205.	49.7
%RSD	.22583	.19254	.69441
#1	8113.6	106510.	7195.3
#2	8087.7	106800.	7125.0

Sample Name: 280-48859-a-12-a Acquired: 11/11/2013 20:11:41 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**49.322**	**.03570**	**.07111**	**.43442**	**.00245**	**-.02037**	**411.81**	**.01133**	**.03636**
Stddev	.00004	.425	.00165	.00056	.00399	.00005	.00170	1.28	.00012	.00011
%RSD	1.5943	.86171	4.6101	.78893	.91890	2.0961	8.3478	.31155	1.1036	.30873
#1	.00244	49.022	.03453	.07151	.43160	.00242	-.01917	410.90	.01141	.03644
#2	.00239	49.623	.03686	.07071	.43724	.00249	-.02157	412.71	.01124	.03628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36280**	**.49156**	**126.22**	**10.579**	**.09734**	**180.59**	**2.2353**	**.01349**	**1.8336**	**.12153**
Stddev	.00072	.00049	1.50	.107	.00221	.42	.0061	.00004	.0050	.00068
%RSD	.19943	.10023	1.1893	1.0118	2.2704	.23494	.27384	.29469	.27123	.56286
#1	.36229	.49191	125.15	10.503	.09578	180.29	2.2396	.01352	1.8301	.12201
#2	.36331	.49121	127.28	10.655	.09890	180.89	2.2310	.01346	1.8371	.12105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.1463**	**.69920**	**13.613**	**.00288**	**.00226**	**3.1195**	**6.6758**	**.03580**	**.44567**	**.02195**
Stddev	.0005	.00031	.003	.00027	.00317	.0146	.0312	.00024	.00385	.00330
%RSD	.00889	.04380	.02404	9.2834	140.33	.46796	.46796	.67170	.86366	15.039
#1	5.1460	.69941	13.611	.00307	.00450	3.1298	6.6979	.03563	.44295	.02428
#2	5.1466	.69898	13.615	.00269	.00002	3.1092	6.6537	.03597	.44839	.01962
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0758**	**-.00024**	F **-.11578**	**.12485**	**1.7226**	**.04814**
Stddev	.0012	.00081	.01364	.00070	.0024	.00014
%RSD	.10692	334.51	11.782	.55672	.13810	.29315
#1	1.0750	.00033	-.12543	.12534	1.7243	.04804
#2	1.0766	-.00081	-.10614	.12436	1.7209	.04824
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8179.4**	**107220.**	**7129.3**
Stddev	27.0	2.	89.4
%RSD	.33030	.00224	1.2547
#1	8198.5	107220.	7192.5
#2	8160.3	107220.	7066.0

Sample Name: CCVH-2372891 Acquired: 11/11/2013 20:14:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00750**	**52.079**	**.00430**	**.00109**	**.00002**	**-.00009**	W **1.0775**	**.07617**	**-.00022**	**-.00010**	**-.00003**	**.01193**
Stddev	.00048	.014	.00005	.00000	.00009	.00001	.0012	.01982	.00009	.00002	.00003	.00039
%RSD	6.3519	.02667	1.2483	.07689	428.42	16.876	.11055	26.026	41.258	22.123	96.168	3.2946
#1	.00716	52.089	.00434	.00110	-.00004	-.00010	1.0766	.06216	-.00016	-.00012	-.00001	.01221
#2	.00784	52.069	.00426	.00109	.00009	-.00008	1.0783	.09019	-.00029	-.00009	-.00005	.01165
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.678**	**.05157**	**-.00090**	**.10179**	**.00108**	**-.00018**	**263.37**	**-.00025**	**-.00175**	**-.00053**	W **5.3995**	**-.00035**
Stddev	.198	.02657	.00072	.00268	.00004	.00016	.86	.00002	.00083	.00002	.0087	.00200
%RSD	.39124	51.530	79.986	2.6286	3.3797	85.790	.32601	8.9676	47.253	3.0094	.16049	574.00
#1	50.818	.07036	-.00141	.10368	.00105	-.00029	262.76	-.00023	-.00117	-.00054	5.4056	.00107
#2	50.537	.03278	-.00039	.09990	.00110	-.00007	263.98	-.00027	-.00234	-.00052	5.3934	-.00176
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00546**	**-.00629**	**-.01347**	**.00048**	**.00034**	**5.0014**	**-.01239**	**.00074**	F **6.3219**	**.00143**	**.00107**	**.06255**
Stddev	.00299	.00092	.00196	.00086	.00008	.0188	.00022	.00021	.0362	.00004	.00015	.00113
%RSD	54.857	14.570	14.570	177.29	23.827	.37629	1.7986	28.684	.57225	2.5699	13.560	1.8027
#1	-.00757	-.00694	-.01485	-.00012	.00029	4.9881	-.01255	.00059	6.2963	.00140	.00118	.06334
#2	-.00334	-.00564	-.01208	.00109	.00040	5.0147	-.01223	.00089	6.3475	.00145	.00097	.06175
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8082.4**	**107150.**	**6588.9**
Stddev	2.5	380.	3.7
%RSD	.03139	.35457	.05646
#1	8084.2	106880.	6591.5
#2	8080.6	107420.	6586.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 20:16:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50363**	**.54557**	**.99972**	**.50610**	**.50457**	**.49536**	**-.00318**	**5.1604**	**.50794**	**.50805**	**.50778**	**.50899**	**2.5164**
Stddev	.00049	.00166	.00159	.00116	.00173	.00404	.00157	.0201	.00041	.00114	.00039	.00060	.0121
%RSD	.09685	.30498	.15947	.22895	.34234	.81460	49.300	.38963	.08014	.22372	.07632	.11757	.48245
#1	.50397	.54674	.99859	.50528	.50335	.49250	-.00429	5.1462	.50766	.50885	.50805	.50856	2.5078
#2	.50328	.54439	1.0008	.50692	.50580	.49821	-.00207	5.1746	.50823	.50725	.50750	.50941	2.5250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.376**	**1.0013**	**20.059**	**.49891**	**.50993**	**5.2203**	**.51231**	**1.0049**	**1.0310**	**.18535**	**1.0157**	**1.0120**	**4.9789**
Stddev	.135	.0026	.027	.00079	.00165	.0156	.00060	.0017	.0014	.00097	.0001	.0013	.0108
%RSD	.26314	.25517	.13344	.15815	.32369	.29903	.11648	.16841	.13492	.52351	.00943	.13232	.21734
#1	51.280	.99948	20.078	.49946	.51110	5.2093	.51273	1.0037	1.0319	.18466	1.0157	1.0111	4.9865
#2	51.471	1.0031	20.041	.49835	.50877	5.2313	.51188	1.0061	1.0300	.18604	1.0158	1.0130	4.9712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.655**	**1.0301**	**.50266**	**-.00509**	**.49590**	**1.0400**	**-.00488**	**.50418**	**.50663**	**.50238**
Stddev	.023	.0003	.00263	.00150	.00023	.0008	.04075	.00077	.00003	.00030
%RSD	.21734	.02564	.52258	29.403	.04626	.07200	835.65	.15313	.00546	.05962
#1	10.671	1.0299	.50080	-.00403	.49607	1.0406	-.03369	.50473	.50661	.50216
#2	10.638	1.0302	.50452	-.00615	.49574	1.0395	.02394	.50363	.50665	.50259
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8245.8**	**110780.**	**6610.4**
Stddev	16.1	25.	19.1
%RSD	.19491	.02280	.28962
#1	8257.1	110800.	6624.0
#2	8234.4	110760.	6596.9

Sample Name: CCB Acquired: 11/11/2013 20:18:34 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00050**	W **.00505**	**.00048**	**-.00023**	**.00003**	**.00240**	F **.07577**	**.00003**	**.00026**	**.00005**	**-.00011**
Stddev	.00025	.00193	.00181	.00050	.00021	.00007	.00024	.01059	.00014	.00004	.00000	.00065
%RSD	40.982	386.67	35.754	104.89	90.780	248.40	10.048	13.973	432.55	15.170	4.4575	617.39
#1	.00044	.00186	.00377	.00083	-.00008	.00008	.00257	.08325	.00013	.00023	.00005	-.00057
#2	.00080	-.00086	.00633	.00012	-.00037	-.00002	.00223	.06828	-.00007	.00029	.00005	.00035
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441					.06900				
Low Limit			-.00441					-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01602**	**.03000**	**-.00251**	W **.01991**	W **.00042**	**.00015**	**.01996**	**.00024**	**-.00462**	**.00025**	**.18948**	F **.00749**
Stddev	.00127	.00798	.00209	.00166	.00003	.00000	.00452	.00019	.00193	.00039	.00018	.00109
%RSD	7.9015	26.603	83.394	8.3364	7.6713	2.8354	22.660	79.809	41.708	159.27	.09527	14.546
#1	.01512	.03564	-.00398	.02108	.00040	.00015	.01676	.00010	-.00326	.00052	.18961	.00672
#2	.01691	.02436	-.00103	.01873	.00044	.00015	.02316	.00037	-.00598	-.00003	.18935	.00826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01070	.00025							.00628
Low Limit				-.01070	-.00025							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00926**	**.01981**	**.00104**	**.00011**	**-.00037**	**-.00023**	**-.00026**	**.03464**	**.00026**	**.00277**	**.00118**
Stddev	.00075	.02970	.06355	.00064	.00000	.00070	.00035	.00022	.05250	.00010	.00029	.00178
%RSD	412.67	320.84	320.84	61.833	.52268	188.74	151.10	82.804	151.58	37.027	10.353	150.42
#1	.00035	.03025	.06474	.00059	.00011	.00012	.00002	-.00011	.07176	.00033	.00257	.00244
#2	-.00071	-.01174	-.02513	.00149	.00011	-.00086	-.00048	-.00042	-.00249	.00019	.00298	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8276.2**	**111040.**	**6489.9**
Stddev	50.1	479.	32.5
%RSD	.60533	.43110	.50150
#1	8240.7	110700.	6512.9
#2	8311.6	111380.	6466.9

Sample Name: CCVL2372865 Acquired: 11/11/2013 20:20:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01150**	**.10992**	**.01684**	**.10220**	**.01027**	**.00099**	F **.13066**	**.23686**	**.00531**	**.01136**	**.01080**	**.01586**	**.10920**
Stddev	.00037	.00007	.00160	.00054	.00035	.00006	.00189	.00121	.00002	.00013	.00002	.00003	.00065
%RSD	3.2514	.06489	9.4970	.52562	3.4373	6.0668	1.4475	.51090	.38619	1.1112	.15323	.17475	.59597
#1	.01176	.10997	.01798	.10182	.01002	.00103	.13200	.23600	.00532	.01145	.01079	.01584	.10874
#2	.01123	.10987	.01571	.10258	.01052	.00095	.12932	.23771	.00529	.01127	.01081	.01588	.10966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2184**	**.01148**	**.22017**	**.01073**	**.02096**	**1.1133**	**.04468**	**3.0529**	**.01004**	**.17003**	**.01065**	**.01486**	**.53628**
Stddev	.0135	.00265	.00170	.00002	.00015	.0075	.00007	.0048	.00122	.00195	.00020	.00141	.01609
%RSD	.42003	23.126	.77349	.22127	.72993	.67496	.15763	.15787	12.172	1.1450	1.9095	9.4613	2.9997
#1	3.2279	.01335	.22137	.01074	.02107	1.1186	.04473	3.0495	.00918	.17141	.01079	.01387	.52490
#2	3.2088	.00960	.21897	.01071	.02085	1.1080	.04463	3.0564	.01090	.16866	.01050	.01586	.54765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1476**	**.10827**	**.01087**	**.01657**	**.00965**	**.01710**	**.06366**	**.01105**	**.02355**	**.01704**
Stddev	.0344	.00023	.00005	.00110	.00016	.00048	.00504	.00002	.00020	.00242
%RSD	2.9997	.21692	.41802	6.6257	1.6896	2.8311	7.9143	.13759	.85226	14.211
#1	1.1233	.10844	.01083	.01580	.00977	.01744	.06723	.01104	.02341	.01533
#2	1.1720	.10811	.01090	.01735	.00954	.01676	.06010	.01106	.02370	.01876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8467.0**	**113780.**	**6578.8**
Stddev	9.0	159.	90.2
%RSD	.10580	.13986	1.3712
#1	8460.7	113670.	6642.6
#2	8473.3	113900.	6515.0

Sample Name: 280-48859-a-13-c Acquired: 11/11/2013 20:23:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00546**	**71.718**	**.04688**	**.06997**	**.62769**	**.00348**	**-.02024**	**409.36**	**.02009**	**.05259**
Stddev	.00009	.386	.00236	.00043	.00017	.00002	.00065	12.16	.00015	.00002
%RSD	1.5838	.53811	5.0442	.61290	.02745	.66542	3.2210	2.9715	.74667	.04232
#1	.00540	71.991	.04521	.07028	.62781	.00346	-.02070	417.96	.01998	.05258
#2	.00552	71.445	.04855	.06967	.62757	.00350	-.01977	400.76	.02020	.05261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66745**	**.66077**	**136.22**	**13.117**	**.13761**	**199.20**	**2.9817**	**.01640**	**1.7542**	**.17916**
Stddev	.00045	.00536	.77	.052	.00109	.41	.0047	.00010	.0027	.00006
%RSD	.06688	.81192	.56497	.40029	.79107	.20535	.15815	.61283	.15438	.03421
#1	.66776	.65698	136.77	13.154	.13684	199.49	2.9850	.01647	1.7561	.17920
#2	.66713	.66457	135.68	13.079	.13838	198.91	2.9784	.01633	1.7523	.17912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.3595**	**1.3283**	**13.446**	**.00342**	**.00267**	**2.7775**	**5.9438**	**.05766**	**.52770**	**.02582**
Stddev	.0249	.0046	.021	.00097	.00120	.0255	.0545	.00145	.00006	.00147
%RSD	.33796	.34945	.15829	28.428	45.006	.91650	.91650	2.5071	.01220	5.6819
#1	7.3771	1.3316	13.461	.00273	.00182	2.7955	5.9823	.05868	.52774	.02686
#2	7.3419	1.3250	13.431	.00411	.00352	2.7595	5.9053	.05663	.52765	.02478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1599**	**-.00080**	F **-.14013**	**.15740**	**3.0169**	**.05297**
Stddev	.0068	.00016	.02069	.00117	.0180	.00022
%RSD	.58893	19.610	14.765	.74591	.59802	.40771
#1	1.1551	-.00091	-.15476	.15657	3.0041	.05313
#2	1.1648	-.00069	-.12550	.15823	3.0296	.05282
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8275.3**	**107960.**	**7149.6**
Stddev	3.9	304.	297.2
%RSD	.04659	.28170	4.1570
#1	8278.1	108170.	6939.4
#2	8272.6	107740.	7359.8

Sample Name: 280-48859-a-15-c Acquired: 11/11/2013 20:25:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**44.455**	**.01477**	**.07448**	**.52298**	**.00200**	**-.01438**	W **709.79**	**.00413**	**.03226**
Stddev	.00043	.006	.00195	.00064	.00025	.00004	.00068	.80	.00022	.00013
%RSD	116.19	.01352	13.216	.85878	.04768	1.9141	4.7130	.11332	5.2372	.41120
#1	.00067	44.450	.01339	.07403	.52280	.00198	-.01390	710.36	.00429	.03235
#2	.00007	44.459	.01615	.07494	.52316	.00203	-.01486	709.23	.00398	.03216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15768**	**.12363**	**84.814**	**9.0683**	**.10458**	**156.29**	**3.1944**	**.00486**	**1.3696**	**.08340**
Stddev	.00015	.00014	.027	.0460	.00341	1.14	.0203	.00026	.0096	.00000
%RSD	.09800	.11256	.03239	.50685	3.2629	.72725	.63614	5.4252	.70318	.00497
#1	.15757	.12373	84.833	9.0358	.10699	155.49	3.1800	.00505	1.3764	.08340
#2	.15779	.12353	84.795	9.1008	.10217	157.10	3.2088	.00467	1.3628	.08340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2980**	**.20963**	**16.016**	**.00063**	**-.00004**	**3.5909**	**7.6844**	**.00987**	**.76795**	**.01684**
Stddev	.0016	.00021	.003	.00249	.00064	.0342	.0731	.00001	.00035	.00072
%RSD	.03805	.09894	.01825	392.38	1454.6	.95180	.95180	.06282	.04578	4.2768
#1	4.2991	.20978	16.014	.00239	.00041	3.6150	7.7361	.00987	.76770	.01735
#2	4.2968	.20949	16.018	-.00112	-.00049	3.5667	7.6327	.00988	.76820	.01633
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1209**	**-.00043**	F **-.10374**	**.11387**	**.49242**	**.05337**
Stddev	.0005	.00030	.03859	.00086	.00275	.00011
%RSD	.04093	69.809	37.201	.75360	.55848	.20861
#1	1.1212	-.00022	-.13103	.11326	.49048	.05344
#2	1.1206	-.00064	-.07645	.11447	.49437	.05329
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8044.7**	**105020.**	**6935.5**
Stddev	15.8	281.	5.5
%RSD	.19677	.26795	.07964
#1	8033.5	105220.	6931.6
#2	8055.9	104820.	6939.4

Sample Name: 280-48859-a-17-a Acquired: 11/11/2013 20:28:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**64.250**	**.01709**	**.09550**	**.59491**	**.00291**	**-.02305**	W **774.24**	**.00424**	**.04125**
Stddev	.00039	.087	.00153	.00065	.00080	.00001	.00223	4.22	.00011	.00001
%RSD	55.245	.13507	8.9722	.67620	.13518	.44948	9.6733	.54522	2.6453	.02430
#1	.00043	64.311	.01818	.09505	.59434	.00291	-.02463	771.25	.00432	.04125
#2	.00097	64.188	.01601	.09596	.59548	.00292	-.02147	777.22	.00416	.04126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19358**	**.12731**	**120.22**	**13.833**	**.14569**	**200.16**	**5.0775**	**.00424**	**1.5470**	**.10462**
Stddev	.00021	.00032	.27	.033	.00037	2.22	.0161	.00011	.0083	.00048
%RSD	.11018	.24776	.22044	.23547	.25257	1.1080	.31761	2.6845	.53920	.45994
#1	.19373	.12709	120.41	13.856	.14595	198.59	5.0889	.00416	1.5411	.10496
#2	.19343	.12754	120.04	13.810	.14543	201.73	5.0661	.00432	1.5529	.10428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4069**	**.18744**	**10.599**	**.00220**	**-.00186**	**3.5979**	**7.6994**	**.01144**	**.83378**	**.02909**
Stddev	.0088	.00074	.010	.00153	.00143	.0187	.0400	.00005	.00183	.00172
%RSD	.19863	.39336	.09864	69.343	76.938	.51935	.51935	.44814	.21949	5.9030
#1	4.4131	.18796	10.591	.00328	-.00287	3.5847	7.6712	.01148	.83508	.03030
#2	4.4007	.18692	10.606	.00112	-.00085	3.6111	7.7277	.01141	.83249	.02787
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5745**	**-.00297**	F **-.17267**	**.14758**	**.52567**	**.07770**
Stddev	.0015	.00061	.00124	.00020	.00056	.00268
%RSD	.09841	20.496	.71957	.13834	.10658	3.4499
#1	1.5734	-.00254	-.17179	.14743	.52527	.07581
#2	1.5756	-.00340	-.17355	.14772	.52606	.07960
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8052.8**	**105260.**	**6991.7**
Stddev	10.4	158.	35.9
%RSD	.12924	.14969	.51286
#1	8060.2	105150.	6966.3
#2	8045.5	105380.	7017.0

Sample Name: 280-48859-a-17-aSD@5 Acquired: 11/11/2013 20:30:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**13.360**	**.00679**	**.02030**	**.12394**	**.00056**	**-.00405**	**169.17**	**.00111**	**.00910**
Stddev	.00014	.067	.00008	.00012	.00053	.00006	.00467	.63	.00001	.00012
%RSD	20.847	.49853	1.1553	.59051	.43045	9.9925	115.56	.36976	1.1921	1.2944
#1	.00056	13.313	.00674	.02039	.12357	.00052	-.00074	168.72	.00112	.00902
#2	.00075	13.407	.00685	.02022	.12432	.00060	-.00735	169.61	.00110	.00919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04090**	**.02644**	**25.127**	**2.7869**	**.02866**	**42.119**	**1.0820**	**.00063**	**.31687**	**.02317**
Stddev	.00006	.00009	.116	.0334	.00361	.097	.0007	.00021	.00367	.00017
%RSD	.15378	.35570	.46125	1.1985	12.584	.23061	.06149	33.601	1.1592	.73201
#1	.04085	.02651	25.045	2.7633	.02611	42.187	1.0815	.00048	.31427	.02305
#2	.04094	.02637	25.209	2.8105	.03121	42.050	1.0825	.00077	.31947	.02329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88855**	**.04134**	**2.2585**	**-.00115**	**-.00228**	**.74947**	**1.6039**	**.00453**	**.17332**	**.00641**
Stddev	.00239	.00006	.0066	.00247	.00092	.00504	.0108	.00046	.00070	.00265
%RSD	.26880	.14643	.29377	214.63	40.344	.67221	.67221	10.241	.40613	41.305
#1	.89024	.04130	2.2538	.00059	-.00163	.75303	1.6115	.00420	.17282	.00454
#2	.88686	.04138	2.2632	-.00289	-.00293	.74591	1.5962	.00486	.17381	.00828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32288**	**-.00001**	**-.02167**	**.03080**	**.11842**	**.01656**
Stddev	.00018	.00011	.01473	.00062	.00037	.00035
%RSD	.05727	1987.2	67.974	1.9998	.31172	2.1271
#1	.32301	.00007	-.01125	.03036	.11868	.01681
#2	.32275	-.00008	-.03208	.03123	.11816	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8257.9**	**108950.**	**6717.1**
Stddev	14.1	127.	3.3
%RSD	.17129	.11630	.04974
#1	8267.9	108860.	6719.4
#2	8247.9	109030.	6714.7

Sample Name: 280-48859-a-17-b ms Acquired: 11/11/2013 20:32:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04883**	**110.48**	**.92574**	**1.0331**	**2.5985**	**.04806**	F **1.9693**	W **833.18**	**.10012**	**.45734**
Stddev	.00054	.63	.00279	.0004	.0105	.00019	.0044	2.99	.00036	.00044
%RSD	1.0993	.56782	.30154	.03350	.40309	.38733	.22118	.35854	.36375	.09526
#1	.04845	110.03	.92377	1.0328	2.5911	.04792	1.9662	831.07	.09987	.45703
#2	.04921	110.92	.92771	1.0333	2.6059	.04819	1.9724	835.30	.10038	.45764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40590**	**.37079**	**127.21**	**78.756**	**1.1118**	**243.38**	**5.5001**	**.88440**	**53.143**	**.52321**
Stddev	.00098	.00069	.05	.333	.0033	1.65	.0116	.00198	.403	.00087
%RSD	.24066	.18480	.03784	.42249	.29476	.67635	.21014	.22433	.75770	.16638
#1	.40521	.37030	127.17	78.521	1.1095	242.22	5.5082	.88300	52.858	.52260
#2	.40659	.37127	127.24	78.991	1.1141	244.54	5.4919	.88581	53.427	.52383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.539**	**.59124**	**13.833**	**.26575**	**1.7590**	**5.4296**	**11.619**	**1.6694**	**1.8178**	**.94693**
Stddev	.032	.00159	.021	.00036	.0035	.0201	.043	.0061	.0064	.00290
%RSD	.23957	.26945	.15180	.13533	.19925	.36985	.36985	.36707	.35141	.30615
#1	13.516	.59236	13.818	.26601	1.7565	5.4154	11.589	1.6651	1.8133	.94488
#2	13.562	.59011	13.848	.26550	1.7615	5.4437	11.650	1.6738	1.8223	.94898
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3666**	**1.5101**	**1.8079**	**.67796**	**.98587**	**.56820**
Stddev	.0062	.0013	.0385	.00013	.00376	.00468
%RSD	.18351	.08749	2.1298	.01967	.38159	.82427
#1	3.3622	1.5110	1.8351	.67805	.98321	.56489
#2	3.3709	1.5091	1.7806	.67787	.98853	.57151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8012.0**	**104070.**	**6938.2**
Stddev	2.6	443.	2.2
%RSD	.03277	.42586	.03118
#1	8010.2	104390.	6936.6
#2	8013.9	103760.	6939.7

Sample Name: 280-48859-a-17-c msd Acquired: 11/11/2013 20:35:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04958**	**106.73**	**.93326**	**1.0276**	**2.5965**	**.04849**	F **1.9888**	W **842.74**	**.10086**	**.45862**
Stddev	.00054	.20	.00329	.0020	.0098	.00026	.0032	19.11	.00012	.00006
%RSD	1.0809	.18760	.35207	.19865	.37670	.54576	.16239	2.2679	.12038	.01210
#1	.04920	106.87	.93094	1.0290	2.6034	.04868	1.9911	829.23	.10078	.45866
#2	.04996	106.59	.93558	1.0261	2.5896	.04830	1.9865	856.26	.10095	.45858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41383**	**.37372**	**126.25**	**77.941**	**1.1168**	**245.91**	**5.4206**	**.88212**	**53.563**	**.52797**
Stddev	.00063	.00174	.57	.238	.0074	.59	.0004	.00470	.352	.00179
%RSD	.15238	.46484	.44962	.30523	.66109	.23998	.00775	.53323	.65745	.33910
#1	.41428	.37495	126.65	78.109	1.1220	245.49	5.4203	.88545	53.812	.52924
#2	.41339	.37249	125.85	77.773	1.1116	246.33	5.4209	.87879	53.314	.52671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.634**	**.61412**	**13.564**	**.27055**	**1.7760**	**5.6520**	**12.095**	**1.6693**	**1.8210**	**.95105**
Stddev	.018	.00284	.051	.00316	.0021	.1244	.266	.0064	.0079	.00062
%RSD	.13228	.46174	.37537	1.1697	.11609	2.2015	2.2015	.38534	.43482	.06497
#1	13.646	.61612	13.528	.27279	1.7775	5.7400	12.284	1.6739	1.8266	.95148
#2	13.621	.61211	13.600	.26831	1.7745	5.5641	11.907	1.6648	1.8154	.95061
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2934**	**1.5277**	**1.7790**	**.67296**	**.98270**	**.56097**
Stddev	.0022	.0018	.0025	.00134	.00229	.00191
%RSD	.06651	.11893	.14235	.19986	.23304	.34051
#1	3.2949	1.5264	1.7772	.67391	.98432	.56232
#2	3.2918	1.5290	1.7808	.67201	.98108	.55962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.1**	**104380.**	**6963.1**
Stddev	37.9	75.	57.2
%RSD	.47194	.07187	.82215
#1	8002.4	104430.	7003.6
#2	8055.9	104330.	6922.7

Sample Name: 280-48859-a-19-a Acquired: 11/11/2013 20:37:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**69.158**	**.01578**	**.09390**	**.54227**	**.00315**	**-.02100**	W **782.21**	**.00221**	**.04411**
Stddev	.00031	.621	.00024	.00044	.00786	.00008	.00360	14.38	.00006	.00026
%RSD	392.29	.89743	1.5259	.46892	1.4495	2.5024	17.164	1.8387	2.6237	.60067
#1	.00014	69.596	.01595	.09421	.54783	.00321	-.01845	772.04	.00217	.04429
#2	-.00030	68.719	.01561	.09359	.53671	.00309	-.02355	792.38	.00225	.04392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12498**	**.09557**	**115.41**	**16.081**	**.17698**	**223.03**	**4.3712**	**.00335**	**1.5746**	**.11339**
Stddev	.00051	.00077	.49	.127	.00110	1.70	.0021	.00012	.0298	.00003
%RSD	.41003	.81021	.42602	.78987	.62208	.76022	.04788	3.4915	1.8953	.03071
#1	.12534	.09612	115.75	16.171	.17776	224.23	4.3697	.00327	1.5957	.11336
#2	.12462	.09502	115.06	15.991	.17620	221.84	4.3727	.00343	1.5535	.11341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9645**	**.04167**	**5.3411**	**.00362**	**-.00092**	**4.1409**	**8.8616**	**.00804**	**.75620**	**.02906**
Stddev	.0133	.00147	.0188	.00046	.00102	.0075	.0160	.00005	.00917	.00094
%RSD	.33640	3.5284	.35115	12.601	110.34	.18090	.18090	.63853	1.2128	3.2272
#1	3.9739	.04064	5.3544	.00330	-.00165	4.1356	8.8502	.00801	.76268	.02839
#2	3.9551	.04271	5.3278	.00394	-.00020	4.1462	8.8729	.00808	.74971	.02972
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7768**	**-.00132**	F **-.10940**	**.15295**	**.30078**	**.10035**
Stddev	.0058	.00017	.03521	.00071	.00126	.00177
%RSD	.32680	12.951	32.187	.46489	.41941	1.7643
#1	1.7809	-.00144	-.08450	.15345	.30167	.10160
#2	1.7727	-.00120	-.13430	.15245	.29988	.09910
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8069.8**	**105330.**	**6969.2**
Stddev	24.0	4.	70.9
%RSD	.29795	.00347	1.0179
#1	8086.8	105330.	6919.1
#2	8052.8	105320.	7019.4

Sample Name: CCVH-2372891 Acquired: 11/11/2013 20:39:56 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**51.938**	**.00208**	**.00211**	**.00029**	**-.00005**	W **1.0794**	**.20151**	**-.00025**	**-.00022**	**.00005**	**.01178**
Stddev	.00020	.375	.00155	.00030	.00024	.00002	.0012	.00241	.00010	.00003	.00002	.00029
%RSD	2.6003	.72188	74.552	14.402	83.284	43.628	.11291	1.1973	39.576	13.209	35.138	2.4460
#1	.00749	51.673	.00317	.00233	.00012	-.00006	1.0785	.20322	-.00032	-.00024	.00006	.01198
#2	.00777	52.204	.00098	.00190	.00045	-.00003	1.0802	.19981	-.00018	-.00020	.00004	.01158
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.685**	**.05496**	**-.00122**	**.12558**	**.00165**	**.00005**	**263.09**	**-.00030**	**.00056**	**.00135**	W **5.3313**	**-.00005**
Stddev	.318	.03286	.00054	.00358	.00005	.00003	1.38	.00007	.00100	.00038	.0053	.00305
%RSD	.62785	59.783	44.383	2.8518	3.0074	55.882	.52547	21.919	179.45	27.997	.10038	6050.0
#1	50.460	.07820	-.00084	.12811	.00169	.00003	262.11	-.00034	-.00015	.00161	5.3351	.00211
#2	50.910	.03173	-.00160	.12305	.00162	.00007	264.07	-.00025	.00127	.00108	5.3275	-.00221
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00480**	**.01018**	**.02178**	**.00059**	**.00050**	**5.0182**	**-.01180**	**.00068**	F **6.3002**	**.00132**	**.00088**	**.06146**
Stddev	.00004	.00026	.00055	.00011	.00009	.0140	.00025	.00132	.0043	.00028	.00013	.00047
%RSD	.83255	2.5397	2.5397	18.527	17.730	.27909	2.1575	194.54	.06901	20.942	14.494	.75915
#1	-.00483	.00999	.02138	.00051	.00044	5.0083	-.01162	.00161	6.2972	.00151	.00079	.06113
#2	-.00477	.01036	.02217	.00066	.00056	5.0281	-.01198	-.00025	6.3033	.00112	.00097	.06179
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8190.6**	**108280.**	**6732.5**
Stddev	14.9	563.	80.3
%RSD	.18196	.51982	1.1924
#1	8201.1	108670.	6789.3
#2	8180.0	107880.	6675.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 20:42:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50896**	**.54115**	**1.0098**	**.51208**	**.50643**	**.49616**	**-.00362**	**5.1552**	**.51067**	**.50972**	**.51055**	**.51403**	**2.5025**
Stddev	.00131	.00017	.0023	.00438	.00347	.00345	.00279	.0467	.00030	.00084	.00044	.00130	.0224
%RSD	.25809	.03130	.22649	.85513	.68472	.69546	77.229	.90523	.05912	.16393	.08629	.25205	.89519
#1	.50803	.54127	1.0114	.51517	.50398	.49372	-.00164	5.1222	.51046	.50913	.51024	.51311	2.4867
#2	.50989	.54103	1.0082	.50898	.50888	.49860	-.00559	5.1882	.51088	.51031	.51086	.51495	2.5184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.499**	**1.0037**	**20.167**	**.50219**	**.51423**	**5.2026**	**.51384**	**1.0164**	**1.0401**	**.11710**	**1.0220**	**1.0264**	**4.9427**
Stddev	.347	.0072	.069	.00019	.00360	.0253	.00005	.0057	.0021	.00073	.0020	.0029	.0855
%RSD	.67466	.71293	.33964	.03832	.69950	.48552	.00948	.56329	.20443	.61999	.19989	.28117	1.7300
#1	51.254	.99864	20.119	.50205	.51677	5.1847	.51380	1.0204	1.0416	.11761	1.0205	1.0243	4.8823
#2	51.745	1.0088	20.216	.50233	.51168	5.2205	.51387	1.0123	1.0386	.11658	1.0234	1.0284	5.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.577**	**1.0366**	**.50399**	**-.00429**	**.49952**	**1.0492**	**-.00607**	**.50490**	**.50957**	**.50394**
Stddev	.183	.0007	.00395	.00049	.00020	.0011	.01485	.00037	.00027	.00893
%RSD	1.7300	.06758	.78449	11.518	.03962	.10645	244.56	.07237	.05345	1.7728
#1	10.448	1.0371	.50119	-.00394	.49966	1.0500	-.01657	.50464	.50938	.49762
#2	10.707	1.0361	.50678	-.00464	.49938	1.0484	.00443	.50516	.50976	.51025
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8342.3**	**111010.**	**6737.6**
Stddev	13.7	446.	33.4
%RSD	.16429	.40171	.49576
#1	8332.7	111320.	6761.2
#2	8352.0	110690.	6713.9

Sample Name: CCB Acquired: 11/11/2013 20:44:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.01534**	**.00149**	**.00090**	**.00040**	**.00006**	**-.00099**	F **.29118**	**.00010**	**.00020**	**.00016**	**-.00003**
Stddev	.00045	.00001	.00101	.00054	.00014	.00006	.00001	.01581	.00005	.00015	.00009	.00051
%RSD	68.969	.06657	67.790	60.318	36.473	98.360	.99868	5.4301	47.807	73.207	57.880	1648.8
#1	.00096	.01535	.00220	.00129	.00029	.00010	-.00099	.30236	.00013	.00030	.00009	.00033
#2	.00033	.01533	.00077	.00052	.00050	.00002	-.00100	.28000	.00007	.00010	.00022	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.06900				
Low Limit								-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.04962**	**.08043**	**-.00092**	F **.06933**	F **.00181**	**.00049**	**.02701**	**.00041**	**-.00249**	**-.00043**	**.12158**	F **.00755**
Stddev	.00472	.01865	.00150	.00200	.00006	.00020	.02195	.00026	.00041	.00072	.00399	.00218
%RSD	9.5106	23.193	161.97	2.8843	3.4884	41.227	81.290	61.705	16.289	167.82	3.2849	28.895
#1	.05296	.09362	.00013	.07074	.00186	.00035	.04253	.00060	-.00221	-.00093	.11875	.00600
#2	.04628	.06724	-.00198	.06791	.00177	.00064	.01148	.00023	-.00278	.00008	.12440	.00909
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.03000			.02140	.00050							.00628
Low Limit	-.03000			-.02140	-.00050							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**-.00135**	**-.00290**	**.00064**	F **.00053**	**.00090**	**.00043**	**-.00034**	**.01962**	**.00021**	**.00285**	W **.00397**
Stddev	.00078	.00402	.00861	.00028	.00003	.00050	.00006	.00009	.01874	.00016	.00018	.00037
%RSD	32.502	297.08	297.08	44.314	5.6745	54.823	13.624	27.229	95.525	75.900	6.1992	9.2197
#1	.00186	-.00420	-.00899	.00083	.00051	.00125	.00047	-.00041	.03287	.00010	.00298	.00371
#2	.00296	.00149	.00319	.00044	.00055	.00055	.00039	-.00028	.00637	.00033	.00273	.00423
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00050							.00238
Low Limit					-.00050							-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8324.1**	**112540.**	**6612.3**
Stddev	18.9	470.	46.2
%RSD	.22692	.41794	.69840
#1	8310.7	112210.	6579.6
#2	8337.5	112880.	6644.9

Sample Name: CCVL2372865 Acquired: 11/11/2013 20:46:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.12048**	**.01526**	**.10110**	**.01083**	**.00099**	**.12292**	F **.34661**	**.00522**	**.01096**	**.01070**	**.01556**	**.12713**
Stddev	.00041	.00285	.00024	.00009	.00009	.00002	.00044	.00631	.00001	.00013	.00001	.00015	.00464
%RSD	3.7486	2.3662	1.5597	.09135	.84451	2.0629	.35767	1.8191	.15206	1.1470	.05934	.95455	3.6488
#1	.01059	.12250	.01543	.10116	.01076	.00098	.12261	.34215	.00522	.01104	.01070	.01566	.12385
#2	.01117	.11847	.01509	.10103	.01089	.00101	.12324	.35106	.00521	.01087	.01071	.01545	.13041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000					
Range								30.000%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1757**	F **.00662**	**.24980**	**.01135**	**.02088**	**1.0942**	**.04324**	**3.0044**	**.00984**	**.12141**	**.01045**	**.01224**	**.52649**
Stddev	.0403	.00064	.00101	.00006	.00002	.0029	.00002	.0059	.00105	.00111	.00050	.00233	.01283
%RSD	1.2673	9.6491	.40512	.54139	.11507	.26607	.04971	.19656	10.715	.91832	4.8244	19.069	2.4365
#1	3.1472	.00617	.25052	.01131	.02090	1.0921	.04325	3.0086	.00909	.12062	.01010	.01389	.53556
#2	3.2041	.00707	.24909	.01139	.02086	1.0962	.04322	3.0002	.01058	.12220	.01081	.01059	.51742
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1267**	**.10767**	**.01063**	**.01441**	**.00993**	**.01614**	F **.09297**	**.01053**	**.02497**	**.01660**
Stddev	.0274	.00010	.00010	.00069	.00012	.00061	.03569	.00040	.00050	.00252
%RSD	2.4365	.08914	.96665	4.7626	1.2227	3.7590	38.394	3.8377	2.0125	15.174
#1	1.1461	.10760	.01056	.01490	.00984	.01657	.11820	.01082	.02533	.01482
#2	1.1073	.10774	.01070	.01393	.01002	.01571	.06773	.01025	.02462	.01838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8304.1**	**111360.**	**6435.0**
Stddev	22.1	330.	6.5
%RSD	.26656	.29623	.10057
#1	8319.8	111120.	6439.5
#2	8288.5	111590.	6430.4

Sample Name: 280-48859-a-21-a Acquired: 11/11/2013 20:49:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**84.866**	**.01658**	**.11003**	**.53004**	**.00389**	**-.02588**	W **649.63**	**.00207**	**.05158**
Stddev	.00023	.186	.00329	.00024	.00151	.00004	.00308	4.18	.00016	.00027
%RSD	431.79	.21965	19.848	.21758	.28518	1.0440	11.909	.64317	7.6310	.52013
#1	-.00021	84.734	.01891	.11020	.52897	.00392	-.02370	646.67	.00195	.05177
#2	.00011	84.997	.01425	.10986	.53111	.00386	-.02806	652.58	.00218	.05139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15363**	**.11139**	**129.49**	**19.923**	**.21180**	**238.07**	**4.3768**	**.00336**	**1.5987**	**.13584**
Stddev	.00013	.00053	.77	.086	.00105	.27	.0090	.00018	.0260	.00021
%RSD	.08630	.47360	.59616	.42947	.49399	.11279	.20614	5.4147	1.6236	.15323
#1	.15372	.11102	130.04	19.862	.21254	238.26	4.3832	.00323	1.6170	.13599
#2	.15353	.11177	128.95	19.983	.21106	237.88	4.3704	.00349	1.5803	.13569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9743**	**.05123**	**5.0013**	**.00152**	**-.00083**	**3.9385**	**8.4284**	**.00849**	**.64970**	**.03850**
Stddev	.0032	.00005	.0109	.00144	.00254	.0424	.0907	.00013	.00268	.00217
%RSD	.08009	.09151	.21807	94.330	305.88	1.0758	1.0758	1.5004	.41294	5.6476
#1	3.9765	.05127	4.9936	.00051	-.00262	3.9685	8.4925	.00858	.64780	.03696
#2	3.9720	.05120	5.0090	.00254	.00096	3.9085	8.3643	.00840	.65160	.04003
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0290**	**-.00159**	F **-.18620**	**.17713**	**.32716**	**.12313**
Stddev	.0003	.00087	.02094	.00023	.00078	.00025
%RSD	.01468	54.869	11.247	.13235	.23783	.20114
#1	2.0292	-.00097	-.17139	.17696	.32771	.12295
#2	2.0288	-.00220	-.20100	.17730	.32661	.12330
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8041.6**	**105170.**	**6868.6**
Stddev	2.7	144.	45.7
%RSD	.03382	.13738	.66569
#1	8043.5	105070.	6901.0
#2	8039.6	105280.	6836.3

Sample Name: 280-48859-a-23-c Acquired: 11/11/2013 20:51:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00524**	**72.051**	**.04584**	**.08290**	**.58130**	**.00337**	**-.02240**	**383.63**	**.01897**	**.04806**
Stddev	.00013	.187	.00206	.00003	.00164	.00003	.00037	2.28	.00001	.00022
%RSD	2.3936	.25909	4.4889	.03626	.28293	.96190	1.6421	.59486	.06173	.46528
#1	.00515	71.919	.04438	.08288	.58014	.00335	-.02214	382.02	.01896	.04821
#2	.00533	72.183	.04729	.08292	.58247	.00339	-.02266	385.25	.01898	.04790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61571**	**.63044**	**131.79**	**14.568**	**.13467**	**186.52**	**2.7717**	**.01546**	**1.7307**	**.16939**
Stddev	.00016	.00053	.11	.032	.00187	1.55	.0643	.00025	.0108	.00004
%RSD	.02676	.08433	.08628	.22198	1.3856	.82878	2.3197	1.6166	.62514	.02569
#1	.61583	.63082	131.87	14.546	.13599	187.61	2.8172	.01528	1.7230	.16942
#2	.61559	.63007	131.71	14.591	.13335	185.42	2.7263	.01564	1.7383	.16936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6270**	**1.1727**	**12.653**	**.00246**	**-.00025**	**3.3602**	**7.1909**	**.04581**	**.48240**	**.02748**
Stddev	.0006	.0004	.012	.00239	.00202	.0024	.0051	.00017	.00152	.00070
%RSD	.00956	.03574	.09579	97.197	820.31	.07117	.07117	.36600	.31470	2.5337
#1	6.6265	1.1724	12.662	.00077	.00118	3.3585	7.1873	.04569	.48133	.02699
#2	6.6274	1.1730	12.645	.00415	-.00167	3.3619	7.1945	.04593	.48347	.02797
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2936**	**-.00141**	F **-.12693**	**.16018**	**2.7668**	**.06003**
Stddev	.0060	.00074	.04881	.00075	.0019	.00349
%RSD	.46553	52.707	38.454	.46721	.06943	5.8178
#1	1.2894	-.00194	-.09242	.16071	2.7655	.05756
#2	1.2979	-.00089	-.16145	.15965	2.7682	.06250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8194.3**	**106140.**	**6912.6**
Stddev	16.7	204.	4.0
%RSD	.20339	.19196	.05807
#1	8206.1	106000.	6915.4
#2	8182.5	106290.	6909.8

Sample Name: 280-48859-a-24-a Acquired: 11/11/2013 20:54:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**68.886**	**.01091**	**.08429**	**.57037**	**.00323**	**-.02090**	W **841.56**	**.00226**	**.04859**
Stddev	.00016	.045	.00430	.00006	.00290	.00003	.00095	12.01	.00012	.00033
%RSD	44.894	.06524	39.441	.07311	.50821	1.0024	4.5446	1.4275	5.3325	.68612
#1	-.00024	68.855	.00787	.08424	.56832	.00326	-.02157	850.05	.00235	.04883
#2	-.00046	68.918	.01395	.08433	.57242	.00321	-.02023	833.06	.00218	.04836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13142**	**.10522**	**120.56**	**15.206**	**.17870**	**241.26**	**4.7703**	**.00331**	**1.5151**	**.12438**
Stddev	.00071	.00016	.01	.065	.00060	1.40	.0365	.00008	.0071	.00074
%RSD	.53754	.15661	.01146	.42728	.33545	.58031	.76424	2.3769	.46564	.59871
#1	.13192	.10511	120.57	15.160	.17828	242.25	4.7961	.00337	1.5201	.12490
#2	.13092	.10534	120.55	15.252	.17913	240.27	4.7445	.00326	1.5101	.12385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3682**	**.05010**	**5.7490**	**-.00046**	**.00078**	**4.1644**	**8.9118**	**.00684**	**.80711**	**.03574**
Stddev	.0255	.00147	.0431	.00130	.00108	.1166	.2494	.00004	.00305	.00032
%RSD	.58330	2.9266	.74942	285.28	138.37	2.7989	2.7989	.57399	.37826	.90164
#1	4.3862	.05114	5.7794	.00046	.00002	4.0820	8.7355	.00687	.80496	.03551
#2	4.3502	.04906	5.7185	-.00138	.00155	4.2468	9.0882	.00681	.80927	.03597
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6326**	**-.00152**	F **-.16870**	**.15405**	**.33126**	**.09783**
Stddev	.0032	.00014	.00782	.00053	.00057	.00039
%RSD	.19483	9.3120	4.6329	.34316	.17324	.39716
#1	1.6303	-.00162	-.16318	.15367	.33085	.09756
#2	1.6348	-.00142	-.17423	.15442	.33167	.09811
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7983.5**	**103750.**	**6909.9**
Stddev	3.4	411.	11.0
%RSD	.04284	.39573	.15935
#1	7981.1	103460.	6902.1
#2	7985.9	104040.	6917.7

Sample Name: 280-48859-a-25-a Acquired: 11/11/2013 20:56:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**52.461**	**.03095**	**.07101**	**.50679**	**.00300**	**-.01441**	**390.07**	**.01056**	**.03580**
Stddev	.00053	.324	.00250	.00061	.00452	.00006	.00012	4.97	.00008	.00020
%RSD	20.826	.61683	8.0646	.86367	.89177	2.1428	.81282	1.2747	.74508	.55609
#1	.00219	52.689	.02919	.07144	.50999	.00304	-.01449	393.59	.01051	.03566
#2	.00294	52.232	.03272	.07057	.50360	.00295	-.01432	386.55	.01062	.03594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35287**	**.47565**	**94.776**	**10.419**	**.09968**	**184.92**	**2.1062**	**.01575**	**1.5818**	**.13001**
Stddev	.00109	.00037	1.114	.038	.00004	1.91	.0066	.00010	.0004	.00097
%RSD	.30957	.07723	1.1758	.36173	.04323	1.0337	.31281	.66335	.02806	.74544
#1	.35364	.47539	95.564	10.446	.09971	183.57	2.1016	.01583	1.5814	.12933
#2	.35210	.47591	93.988	10.392	.09965	186.27	2.1109	.01568	1.5821	.13070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.2119**	**.77087**	**11.743**	**.00302**	**.00090**	**3.2683**	**6.9942**	**.03254**	**.47132**	**.02077**
Stddev	.0141	.00549	.036	.00084	.00326	.0204	.0437	.00057	.00442	.00393
%RSD	.26964	.71274	.30955	27.696	364.27	.62540	.62540	1.7456	.93876	18.917
#1	5.2020	.76699	11.768	.00243	.00320	3.2828	7.0251	.03294	.47445	.01799
#2	5.2219	.77476	11.717	.00362	-.00141	3.2539	6.9633	.03214	.46819	.02355
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2024**	**-.00051**	F **-.11148**	**.12405**	**1.9668**	**.03596**
Stddev	.0019	.00053	.04152	.00013	.0096	.00075
%RSD	.15795	103.63	37.245	.10558	.48747	2.0905
#1	1.2010	-.00088	-.08212	.12396	1.9600	.03649
#2	1.2037	-.00014	-.14084	.12414	1.9736	.03543
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8185.9**	**106830.**	**6816.9**
Stddev	6.1	602.	65.9
%RSD	.07413	.56392	.96701
#1	8190.2	107260.	6770.3
#2	8181.6	106410.	6863.5

Sample Name: 280-48859-a-26-d Acquired: 11/11/2013 20:58:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**60.635**	**.04116**	**.07515**	**.58151**	**.00297**	**-.01830**	**478.53**	**.01487**	**.04516**
Stddev	.00021	.424	.00210	.00023	.00445	.00003	.00028	.76	.00005	.00005
%RSD	6.7681	.70005	5.0921	.31181	.76513	1.1219	1.5276	.15917	.33109	.10015
#1	.00329	60.335	.03967	.07531	.57836	.00295	-.01810	478.00	.01491	.04519
#2	.00299	60.935	.04264	.07498	.58465	.00299	-.01850	479.07	.01484	.04512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48553**	**.61437**	**118.07**	**12.085**	**.11683**	**218.33**	**2.5589**	**.01851**	**1.9730**	**.16964**
Stddev	.00036	.00305	.21	.009	.00152	.70	.0305	.00017	.0246	.00001
%RSD	.07506	.49647	.18061	.07142	1.3030	.31974	1.1927	.91132	1.2484	.00862
#1	.48527	.61653	117.92	12.078	.11791	217.83	2.5804	.01863	1.9556	.16965
#2	.48578	.61221	118.22	12.091	.11576	218.82	2.5373	.01839	1.9904	.16963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.4084**	**1.1198**	**13.706**	**.00187**	**.00228**	**3.0361**	**6.4972**	**.04789**	**.56926**	**.02256**
Stddev	.0036	.0011	.047	.00043	.00287	.0111	.0237	.00023	.00267	.00054
%RSD	.05608	.10134	.34271	22.764	125.63	.36515	.36515	.47158	.46912	2.3948
#1	6.4059	1.1190	13.740	.00217	.00025	3.0282	6.4804	.04773	.56737	.02294
#2	6.4110	1.1206	13.673	.00157	.00431	3.0439	6.5140	.04804	.57115	.02218
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3088**	**-.00026**	F **-.10929**	**.15120**	**2.5514**	**.05155**
Stddev	.0035	.00030	.01399	.00028	.0040	.00033
%RSD	.26531	118.19	12.798	.18817	.15768	.63671
#1	1.3113	-.00004	-.09940	.15140	2.5543	.05132
#2	1.3064	-.00047	-.11918	.15100	2.5486	.05179
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8144.5**	**105810.**	**6856.4**
Stddev	13.5	431.	3.7
%RSD	.16591	.40686	.05458
#1	8135.0	105510.	6859.0
#2	8154.1	106120.	6853.7

Sample Name: 280-48859-a-28-a Acquired: 11/11/2013 21:01:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01104**	**67.899**	**.08387**	**.10494**	**.79677**	**.00392**	**-.01721**	**499.48**	**.02607**	**.04939**
Stddev	.00002	.062	.00345	.00020	.00178	.00009	.00248	.46	.00014	.00024
%RSD	.15073	.09193	4.1132	.19504	.22307	2.2602	14.417	.09174	.55181	.47920
#1	.01103	67.943	.08143	.10509	.79552	.00399	-.01545	499.80	.02617	.04956
#2	.01105	67.855	.08631	.10480	.79803	.00386	-.01896	499.15	.02597	.04922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1996**	**.88794**	**147.44**	**12.569**	**.12878**	**210.92**	**3.0692**	**.02069**	**1.7613**	**.19995**
Stddev	.0018	.00363	.00	.006	.00046	1.83	.0236	.00015	.0034	.00008
%RSD	.04376	.40863	.00188	.04564	.35639	.86551	.76855	.70182	.19163	.04089
#1	4.1983	.88538	147.44	12.573	.12846	209.63	3.0859	.02059	1.7636	.20001
#2	4.2009	.89051	147.43	12.564	.12911	212.21	3.0525	.02080	1.7589	.19990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6568**	**2.5309**	**20.088**	**.00717**	**-.00046**	**3.0433**	**6.5128**	**.09889**	**.82217**	**.02990**
Stddev	.0126	.0022	.055	.00074	.00141	.0645	.1380	.00050	.00206	.00182
%RSD	.14602	.08851	.27527	10.324	306.77	2.1189	2.1189	.50786	.25070	6.0868
#1	8.6479	2.5325	20.049	.00665	-.00145	3.0889	6.6103	.09924	.82071	.03119
#2	8.6658	2.5294	20.127	.00769	.00054	2.9978	6.4152	.09853	.82363	.02862
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3067**	**-.00132**	F **-.16736**	**.16561**	**4.1188**	**.05735**
Stddev	.0042	.00014	.00450	.00046	.0157	.00020
%RSD	.32294	10.385	2.6899	.28053	.38014	.34036
#1	1.3038	-.00122	-.17054	.16528	4.1078	.05749
#2	1.3097	-.00141	-.16418	.16594	4.1299	.05721
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.9**	**107330.**	**7004.1**
Stddev	22.0	140.	27.0
%RSD	.26775	.13045	.38568
#1	8184.4	107430.	6984.9
#2	8215.4	107230.	7023.2

Sample Name: 280-48859-a-30-a Acquired: 11/11/2013 21:03:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00845**	**43.076**	**.09859**	**.08977**	**.97184**	**.00336**	**-.02151**	**389.21**	**.01272**	**.03211**
Stddev	.00044	.206	.00352	.00021	.00198	.00010	.00123	2.75	.00008	.00066
%RSD	5.2442	.47802	3.5724	.23578	.20344	2.9694	5.6972	.70561	.61470	2.0453
#1	.00876	43.222	.09610	.08992	.97324	.00329	-.02065	387.27	.01266	.03164
#2	.00814	42.930	.10108	.08962	.97044	.00343	-.02238	391.16	.01277	.03257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4954**	**.78569**	**166.79**	**7.1194**	**.08114**	**118.17**	**2.4714**	**.00705**	**1.2874**	**.13516**
Stddev	.0174	.00007	.12	.0767	.00091	.35	.0110	.00007	.0058	.00127
%RSD	.23212	.00843	.07163	1.0781	1.1196	.29668	.44446	1.0318	.45242	.93595
#1	7.4831	.78564	166.87	7.1736	.08050	117.92	2.4792	.00700	1.2833	.13426
#2	7.5077	.78574	166.70	7.0651	.08178	118.41	2.4636	.00710	1.2915	.13605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2214**	**1.5285**	**23.904**	**.00492**	**.00520**	**2.7221**	**5.8253**	**.11356**	**.78944**	**.02222**
Stddev	.0120	.0016	.021	.00140	.00122	.0570	.1220	.00026	.00146	.00131
%RSD	.12983	.10635	.08757	28.398	23.545	2.0950	2.0950	.22515	.18512	5.8796
#1	9.2130	1.5274	23.919	.00393	.00607	2.7624	5.9115	.11374	.79048	.02129
#2	9.2299	1.5297	23.889	.00591	.00434	2.6818	5.7390	.11338	.78841	.02314
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94541**	**-.00196**	**-.04760**	**.11194**	**3.2971**	**.03317**
Stddev	.00342	.00141	.01083	.00010	.0106	.00177
%RSD	.36183	72.088	22.744	.09257	.32088	5.3267
#1	.94782	-.00096	-.05525	.11201	3.3046	.03442
#2	.94299	-.00296	-.03994	.11187	3.2896	.03192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8203.7**	**107770.**	**6992.4**
Stddev	16.3	209.	7.7
%RSD	.19852	.19355	.11080
#1	8215.3	107920.	6997.9
#2	8192.2	107620.	6986.9

Sample Name: 280-48859-a-32-a Acquired: 11/11/2013 21:06:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**56.596**	**.01683**	**.07842**	**.43132**	**.00257**	**-.01656**	W **728.80**	**.00228**	**.04441**
Stddev	.00036	.166	.00237	.00045	.00004	.00001	.00157	4.65	.00006	.00020
%RSD	256.21	.29313	14.064	.57793	.01013	.44742	9.4715	.63749	2.7986	.44372
#1	-.00040	56.713	.01850	.07874	.43129	.00258	-.01545	725.51	.00223	.04455
#2	.00011	56.479	.01515	.07810	.43135	.00256	-.01767	732.08	.00232	.04427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10822**	**.10815**	**108.32**	**12.672**	**.14800**	**253.10**	**4.1050**	**.00608**	**1.3356**	**.10693**
Stddev	.00013	.00012	.25	.009	.00102	1.40	.0466	.00018	.0150	.00030
%RSD	.12176	.10759	.23366	.06974	.68762	.55301	1.1344	3.0239	1.1202	.28038
#1	.10831	.10807	108.14	12.666	.14728	252.11	4.1379	.00595	1.3462	.10714
#2	.10812	.10823	108.50	12.679	.14872	254.09	4.0721	.00621	1.3250	.10672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9618**	**.04961**	**13.767**	**.00198**	**.00022**	**2.6759**	**5.7265**	**.00582**	**1.0149**	**.02681**
Stddev	.0046	.00123	.016	.00600	.00194	.0020	.0042	.00029	.0004	.00034
%RSD	.15413	2.4737	.11435	302.79	868.90	.07407	.07407	5.0096	.04064	1.2711
#1	2.9650	.04875	13.755	.00623	-.00115	2.6773	5.7295	.00561	1.0152	.02705
#2	2.9585	.05048	13.778	-.00226	.00159	2.6745	5.7235	.00602	1.0146	.02657
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3875**	**-.00115**	F **-.13655**	**.13716**	**.38052**	**.08048**
Stddev	.0037	.00093	.00949	.00016	.00084	.00071
%RSD	.27059	80.825	6.9472	.11757	.22076	.87716
#1	1.3848	-.00049	-.12985	.13704	.38111	.07998
#2	1.3901	-.00181	-.14326	.13727	.37992	.08097
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7939.5**	**103570.**	**6787.6**
Stddev	3.9	512.	42.5
%RSD	.04933	.49445	.62651
#1	7942.2	103210.	6817.7
#2	7936.7	103940.	6757.5

Sample Name: CCVH-2372891 Acquired: 11/11/2013 21:08:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00766**	**51.936**	**.00062**	**.00128**	**-.00031**	**-.00014**	W **1.0653**	**.13230**	**-.00044**	**-.00014**	**.00042**	**.01228**
Stddev	.00038	.083	.00068	.00030	.00000	.00002	.0015	.01230	.00014	.00018	.00008	.00035
%RSD	4.9586	.15884	109.88	23.769	.45533	12.145	.14423	9.2989	32.657	125.65	19.456	2.8450
#1	.00793	51.994	.00110	.00106	-.00032	-.00013	1.0664	.14100	-.00054	-.00002	.00048	.01253
#2	.00739	51.878	.00014	.00149	-.00031	-.00016	1.0643	.12360	-.00034	-.00027	.00036	.01203
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.563**	**-.03284**	**-.00092**	**.11457**	**.00122**	**-.00015**	**264.86**	**-.00005**	**-.00192**	**.00003**	**5.1970**	**-.00087**
Stddev	.520	.02714	.00098	.00120	.00002	.00019	.33	.00022	.00113	.00106	.0062	.00018
%RSD	1.0280	82.635	106.97	1.0487	1.3735	131.87	.12579	479.91	58.770	3998.6	.11980	21.085
#1	50.930	-.05203	-.00022	.11542	.00123	-.00001	264.63	-.00021	-.00272	.00077	5.2014	-.00074
#2	50.195	-.01365	-.00161	.11372	.00120	-.00028	265.10	.00011	-.00112	-.00072	5.1926	-.00100
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.03158**	**.06758**	**-.00001**	**.00041**	**5.0248**	**-.01255**	**.00087**	F **6.2787**	**.00197**	**.00152**	**.06104**
Stddev	.00146	.00924	.01977	.00030	.00001	.0000	.00032	.00113	.0391	.00052	.00014	.00038
%RSD	52.166	29.252	29.252	4775.4	1.2398	.00007	2.5575	129.62	.62342	26.233	9.1199	.61702
#1	-.00177	.02505	.05360	-.00022	.00042	5.0248	-.01277	.00007	6.3064	.00160	.00142	.06078
#2	-.00383	.03811	.08156	.00020	.00041	5.0248	-.01232	.00167	6.2510	.00233	.00161	.06131
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7960.4**	**105320.**	**6385.0**
Stddev	6.2	672.	22.5
%RSD	.07762	.63818	.35247
#1	7956.1	105800.	6369.1
#2	7964.8	104850.	6400.9

Sample Name: CCV-2372889 Acquired: 11/11/2013 21:11:05 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50418**	**.54165**	**.99948**	**.50472**	**.50657**	**.49488**	**-.00230**	**5.1842**	**.50708**	**.50918**	**.50883**	**.50764**	**2.5177**
Stddev	.00079	.00099	.00181	.00008	.00439	.00378	.00055	.0257	.00007	.00049	.00024	.00030	.0243
%RSD	.15681	.18263	.18063	.01623	.86620	.76417	23.876	.49635	.01302	.09580	.04745	.05824	.96380
#1	.50362	.54235	.99821	.50467	.50347	.49221	-.00268	5.1660	.50712	.50952	.50865	.50785	2.5005
#2	.50474	.54095	1.0008	.50478	.50967	.49755	-.00191	5.2024	.50703	.50883	.50900	.50743	2.5348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.886**	**1.0074**	**20.297**	**.50273**	**.50959**	**5.2120**	**.51370**	**1.0028**	**1.0355**	**.07305**	**1.0087**	**1.0147**	**5.0189**
Stddev	.384	.0111	.049	.00073	.00093	.0471	.00036	.0000	.0021	.00178	.0012	.0029	.0360
%RSD	.73994	1.1035	.24117	.14588	.18309	.90347	.06962	.00353	.19876	2.4321	.11583	.28911	.71620
#1	51.615	.99954	20.263	.50221	.51025	5.1787	.51395	1.0028	1.0369	.07179	1.0078	1.0127	4.9935
#2	52.158	1.0153	20.332	.50325	.50893	5.2453	.51344	1.0027	1.0340	.07430	1.0095	1.0168	5.0444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.741**	**1.0288**	**.50410**	**-.00468**	**.49858**	**1.0394**	**-.02700**	**.50567**	**.51730**	**.50646**
Stddev	.077	.0004	.00444	.00180	.00050	.0063	.03506	.00102	.00057	.00058
%RSD	.71620	.04226	.88150	38.470	.10100	.60533	129.82	.20248	.10962	.11512
#1	10.686	1.0285	.50096	-.00595	.49822	1.0349	-.00222	.50639	.51770	.50605
#2	10.795	1.0291	.50724	-.00341	.49893	1.0438	-.05179	.50494	.51690	.50687
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8142.7**	**107890.**	**6308.5**
Stddev	18.1	365.	6.9
%RSD	.22285	.33838	.10916
#1	8129.9	108140.	6313.4
#2	8155.5	107630.	6303.6

Sample Name: CCB Acquired: 11/11/2013 21:13:11 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00171**	**.00194**	**-.00042**	**-.00003**	**-.00001**	**-.00017**	**.02457**	**-.00002**	**.00025**	**.00004**	**-.00005**
Stddev	.00011	.00045	.00126	.00021	.00036	.00003	.00133	.00096	.00005	.00005	.00012	.00038
%RSD	28.316	26.528	65.226	49.889	1123.8	414.97	800.39	3.8968	262.15	18.072	264.37	800.37
#1	.00031	-.00139	.00104	-.00027	.00022	.00001	-.00111	.02525	-.00005	.00022	.00013	-.00031
#2	.00047	-.00203	.00283	-.00056	-.00028	-.00002	.00077	.02389	.00001	.00029	-.00004	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00788**	**.00953**	F **-.00613**	**.00805**	**.00020**	**.00035**	**-.00535**	**.00028**	**-.00304**	**-.00109**	**.07927**	F **.00899**
Stddev	.00015	.01469	.00337	.00180	.00004	.00016	.01821	.00005	.00138	.00063	.00058	.00127
%RSD	1.8923	154.16	54.987	22.406	19.001	46.587	339.99	17.204	45.514	58.001	.73245	14.092
#1	.00777	-.00086	-.00851	.00933	.00017	.00046	.00752	.00032	-.00206	-.00154	.07886	.00809
#2	.00798	.01992	-.00375	.00678	.00023	.00023	-.01823	.00025	-.00401	-.00064	.07968	.00988
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00522									.00628
Low Limit			-.00522									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.02400**	**.05135**	**.00037**	**.00003**	**.00125**	**-.00046**	**-.00036**	**.01682**	**.00020**	**.00306**	**.00234**
Stddev	.00497	.00267	.00572	.00025	.00000	.00005	.00014	.00063	.04625	.00022	.00057	.00139
%RSD	157.11	11.132	11.132	66.028	16.446	4.2058	31.264	175.99	274.86	107.79	18.793	59.330
#1	-.00035	.02588	.05539	.00055	.00003	.00121	-.00036	-.00080	.04953	.00035	.00346	.00332
#2	.00668	.02211	.04731	.00020	.00003	.00128	-.00056	.00009	-.01588	.00005	.00265	.00136
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.4**	**108330.**	**6194.2**
Stddev	22.0	290.	54.6
%RSD	.27011	.26761	.88151
#1	8150.0	108120.	6232.8
#2	8118.9	108530.	6155.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 21:15:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.11501**	**.01650**	**.10290**	**.01075**	**.00099**	**.12929**	**.23366**	**.00541**	**.01128**	**.01094**	**.01611**	**.10764**
Stddev	.00000	.00064	.00076	.00035	.00016	.00003	.00018	.00149	.00012	.00029	.00007	.00019	.00392
%RSD	.02456	.55675	4.5971	.34349	1.5129	2.9409	.13632	.63758	2.1775	2.5658	.67743	1.1518	3.6405
#1	.01141	.11456	.01596	.10265	.01087	.00097	.12942	.23472	.00533	.01107	.01100	.01624	.11041
#2	.01141	.11546	.01703	.10315	.01064	.00102	.12917	.23261	.00550	.01148	.01089	.01598	.10486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2851**	**.00743**	**.22626**	**.01085**	**.02115**	**1.0819**	**.04468**	**3.0647**	**.01002**	**.07032**	**.00925**	**.01283**	**.51479**
Stddev	.1030	.00031	.00360	.00010	.00010	.0046	.00027	.0099	.00122	.00171	.00283	.00017	.01437
%RSD	3.1363	4.1969	1.5896	.92823	.48364	.42422	.60182	.32436	12.154	2.4275	30.600	1.3136	2.7915
#1	3.2123	.00765	.22880	.01092	.02108	1.0851	.04487	3.0577	.01088	.06911	.00725	.01271	.52495
#2	3.3580	.00721	.22372	.01077	.02122	1.0786	.04449	3.0718	.00916	.07153	.01125	.01295	.50463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1016**	**.10872**	**.01067**	**.01374**	**.00976**	**.01641**	F **.09811**	**.01106**	**.02464**	**.01830**
Stddev	.0308	.00071	.00012	.00254	.00018	.00012	.03135	.00037	.00022	.00223
%RSD	2.7915	.65570	1.1423	18.490	1.8321	.74570	31.951	3.3039	.89467	12.205
#1	1.1234	.10822	.01058	.01195	.00963	.01633	.07594	.01132	.02480	.01988
#2	1.0799	.10923	.01075	.01554	.00988	.01650	.12027	.01080	.02449	.01672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8397.7**	**111580.**	**6400.0**
Stddev	42.1	244.	15.3
%RSD	.50153	.21859	.23953
#1	8367.9	111410.	6410.8
#2	8427.5	111750.	6389.1

Sample Name: BLANK SAR WATER Acquired: 11/11/2013 21:17:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00394**	**.00114**	**-.00019**	**-.00019**	**-.00002**	**-.00101**	**.01459**	**-.00002**	**.00023**
Stddev	.00024	.00011	.00147	.00051	.00005	.00003	.00058	.00093	.00004	.00001
%RSD	331.27	2.8421	128.89	265.55	27.611	148.71	57.206	6.3524	185.63	3.3968
#1	.00025	-.00386	.00010	.00017	-.00022	-.00005	-.00141	.01525	.00001	.00024
#2	-.00010	-.00402	.00218	-.00055	-.00015	.00000	-.00060	.01394	-.00005	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00021**	**.00033**	**.00069**	**-.00137**	**.00158**	**.00013**	**-.00010**	**-.02824**	**.00024**
Stddev	.00001	.00010	.00074	.03146	.00022	.00385	.00003	.00005	.01224	.00010
%RSD	33.953	50.715	220.49	4531.0	15.850	242.71	23.895	51.762	43.342	41.017
#1	-.00003	-.00013	-.00019	-.02155	-.00122	-.00113	.00016	-.00007	-.03689	.00017
#2	-.00005	-.00028	.00086	.02294	-.00152	.00430	.00011	-.00014	-.01958	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00259**	**.00007**	W **.07461**	**-.00134**	**-.00307**	**.03525**	**.07544**	**.00006**	**.00011**	**.00011**
Stddev	.00032	.00087	.00006	.00099	.00196	.00107	.00229	.00001	.00020	.00047
%RSD	12.466	1248.9	.08459	74.196	63.986	3.0397	3.0397	18.548	186.16	435.08
#1	-.00281	-.00055	.07466	-.00063	-.00168	.03601	.07706	.00007	.00025	.00044
#2	-.00236	.00069	.07457	-.00204	-.00445	.03449	.07381	.00006	-.00003	-.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00014**	**.01213**	**.00011**	**.00280**	**.00385**
Stddev	.00026	.00008	.00824	.00032	.00031	.00137
%RSD	83.303	52.350	67.948	301.46	11.113	35.657
#1	-.00013	.00009	.01795	.00034	.00302	.00482
#2	-.00050	.00020	.00630	-.00012	.00258	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8267.1**	**111070.**	**6591.9**
Stddev	8.5	364.	85.4
%RSD	.10265	.32776	1.2962
#1	8261.1	111330.	6652.3
#2	8273.1	110810.	6531.5

Sample Name: 48922-1 Acquired: 11/11/2013 21:20:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00588**	**.00081**	**.01036**	**.06419**	**-.00002**	**.00007**	**37.522**	**-.00001**	**.00013**
Stddev	.00002	.00007	.00134	.00056	.00119	.00005	.00102	.494	.00008	.00008
%RSD	12.347	1.1154	165.05	5.4332	1.8536	321.81	1528.3	1.3169	682.60	64.057
#1	.00019	.00593	.00176	.01076	.06335	-.00005	-.00066	37.173	-.00007	.00019
#2	.00016	.00584	-.00014	.00996	.06503	.00002	.00079	37.872	.00005	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00116**	**.01744**	**1.4325**	**.00488**	**8.8489**	**.01289**	**.00055**	**17.824**	**.00077**
Stddev	.00010	.00046	.00037	.0730	.00020	.0542	.00001	.00033	.341	.00003
%RSD	84.705	39.773	2.1344	5.0926	4.1288	.61209	.09421	59.687	1.9118	3.6443
#1	.00019	.00148	.01770	1.3810	.00502	8.8872	.01288	.00032	18.065	.00075
#2	.00005	.00083	.01717	1.4841	.00474	8.8106	.01290	.00078	17.583	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00245**	**-.00032**	**18.311**	**-.00139**	**-.00282**	**5.1899**	**11.106**	**.00012**	**.34611**	**-.00138**
Stddev	.00083	.00045	.026	.00137	.00144	.0659	.141	.00042	.00411	.00021
%RSD	33.787	138.03	.13961	98.427	50.929	1.2703	1.2703	343.26	1.1886	15.101
#1	-.00186	-.00064	18.293	-.00042	-.00384	5.1432	11.007	-.00017	.34320	-.00152
#2	-.00303	-.00001	18.329	-.00236	-.00181	5.2365	11.206	.00042	.34901	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00286**	**.00587**	**.00054**	**.00173**	**.00043**
Stddev	.00025	.00010	.00373	.00000	.00041	.00257
%RSD	61211.	3.5129	63.500	.24963	23.479	592.01
#1	-.00017	.00279	.00851	.00054	.00202	.00225
#2	.00017	.00293	.00324	.00054	.00145	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8374.2**	**111950.**	**6707.5**
Stddev	1.4	402.	57.9
%RSD	.01728	.35873	.86293
#1	8375.2	111670.	6748.4
#2	8373.2	112240.	6666.5

Sample Name: 48922-2 Acquired: 11/11/2013 21:22:24 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00433**	**.00082**	**.02094**	**.05117**	**-.00006**	**.00114**	**94.267**	**.00033**	**.00024**
Stddev	.00053	.00021	.00021	.00027	.00041	.00002	.00176	.492	.00005	.00009
%RSD	93.946	4.9599	25.565	1.2898	.79273	41.548	155.22	.52200	15.125	36.683
#1	.00093	-.00418	.00067	.02113	.05088	-.00004	-.00011	93.919	.00029	.00018
#2	.00019	-.00448	.00097	.02075	.05145	-.00007	.00238	94.615	.00036	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00143**	**.00585**	**5.9915**	**.07486**	**76.467**	**.02574**	**.00066**	**388.81**	**.00121**
Stddev	.00005	.00002	.00184	.0298	.00047	.060	.00005	.00007	2.34	.00004
%RSD	73.684	1.5018	31.543	.49669	.62828	.07808	.21292	9.9199	.60153	3.4254
#1	.00009	.00145	.00454	6.0125	.07519	76.509	.02578	.00071	387.16	.00124
#2	.00003	.00142	.00715	5.9705	.07453	76.425	.02570	.00062	390.46	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00065**	F **224.24**	**-.00323**	**.00048**	**4.6920**	**10.041**	**.00052**	**3.1478**	**-.00237**
Stddev	.00064	.00039	.16	.00392	.00023	.0413	.088	.00004	.0139	.00109
%RSD	891.91	59.733	.07140	121.34	49.054	.87985	.87985	7.7334	.44257	45.930
#1	.00038	-.00093	224.35	-.00046	.00064	4.6628	9.9784	.00049	3.1380	-.00314
#2	-.00052	-.00038	224.13	-.00600	.00031	4.7212	10.103	.00054	3.1577	-.00160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00270**	**.00549**	**.00112**	**.00212**	**.00277**
Stddev	.00013	.00000	.00715	.00014	.00024	.00200
%RSD	19.408	.05119	130.34	12.342	11.386	72.214
#1	-.00059	.00270	.00043	.00122	.00194	.00136
#2	-.00077	.00270	.01054	.00103	.00229	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7846.6**	**102240.**	**6458.6**
Stddev	10.0	235.	19.9
%RSD	.12805	.22969	.30869
#1	7853.7	102410.	6472.7
#2	7839.5	102070.	6444.5

Sample Name: 48924-1 Acquired: 11/11/2013 21:24:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00339**	**.00177**	**.03120**	**-.00006**	**-.00005**	**.00299**	**.04683**	**-.00011**	**.00049**
Stddev	.00008	.00018	.00020	.00050	.00009	.00001	.00107	.00113	.00004	.00005
%RSD	9.3310	5.3197	11.507	1.5913	153.86	10.092	35.984	2.4029	40.697	10.899
#1	.00083	.00326	.00163	.03155	-.00012	-.00005	.00375	.04762	-.00008	.00052
#2	.00095	.00352	.00192	.03085	.00001	-.00005	.00223	.04603	-.00014	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00063**	**-.00201**	**.03797**	**-.00368**	**.00701**	**.00025**	**-.00016**	**.11897**	**.00209**
Stddev	.00012	.00007	.00004	.03972	.00166	.00024	.00002	.00014	.01861	.00002
%RSD	3.5480	11.712	2.0747	104.61	45.122	3.4567	9.7381	88.663	15.646	.98288
#1	.00354	.00058	-.00204	.06606	-.00486	.00718	.00026	-.00006	.13213	.00211
#2	.00337	.00069	-.00199	.00988	-.00251	.00684	.00023	-.00025	.10581	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00421**	**-.00114**	**.07590**	**-.00187**	**-.00172**	**.01531**	**.03277**	**-.00014**	**.00043**	**-.00292**
Stddev	.00093	.00098	.00026	.00019	.00251	.01503	.03217	.00021	.00002	.00153
%RSD	22.183	86.034	.33661	10.207	145.94	98.174	98.174	153.45	3.5544	52.399
#1	-.00355	-.00183	.07608	-.00174	-.00349	.02595	.05552	-.00029	.00042	-.00400
#2	-.00487	-.00045	.07572	-.00201	.00005	.00468	.01002	.00001	.00044	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00159**	**.01138**	**-.00016**	**.00266**	**.00268**
Stddev	.00025	.00149	.00634	.00015	.00006	.00102
%RSD	158.44	93.333	55.756	94.116	2.3969	37.915
#1	.00033	.00265	.00689	-.00027	.00271	.00196
#2	-.00002	.00054	.01586	-.00005	.00262	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8574.1**	**114400.**	**6658.7**
Stddev	5.9	321.	119.0
%RSD	.06839	.28059	1.7871
#1	8578.2	114620.	6742.9
#2	8569.9	114170.	6574.6

Sample Name: 48924-2 Acquired: 11/11/2013 21:27:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00012**	**.00223**	**.03006**	**.10337**	**-.00004**	**.00219**	**31.452**	**-.00018**	**.00241**
Stddev	.00059	.00024	.00035	.00015	.00002	.00008	.00081	.062	.00014	.00029
%RSD	195.12	193.20	15.618	.51264	.01811	171.65	36.809	.19621	79.461	11.945
#1	-.00012	.00005	.00248	.03017	.10336	.00001	.00276	31.496	-.00008	.00262
#2	.00072	-.00029	.00199	.02996	.10338	-.00010	.00162	31.409	-.00028	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00190**	**.02524**	**7.4779**	**.11786**	**16.813**	**.09187**	**.00410**	W **562.18**	**.00333**
Stddev	.00030	.00010	.00067	.0358	.00010	.029	.00022	.00020	.06	.00024
%RSD	558.15	5.1748	2.6651	.47817	.08528	.17489	.24176	4.9971	.00999	7.3338
#1	-.00016	.00197	.02572	7.4526	.11779	16.792	.09172	.00395	562.15	.00350
#2	.00026	.00183	.02477	7.5031	.11793	16.834	.09203	.00424	562.22	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**-.00071**	**27.564**	**-.00049**	**-.00017**	**3.3196**	**7.1038**	**-.00026**	**3.1026**	**-.00361**
Stddev	.00145	.00168	.021	.00415	.00060	.0400	.0856	.00030	.0014	.00326
%RSD	20.950	237.39	.07747	842.21	351.44	1.2055	1.2055	114.53	.04419	90.319
#1	.00589	.00048	27.549	.00244	-.00060	3.3478	7.1644	-.00005	3.1017	-.00131
#2	.00794	-.00189	27.580	-.00343	.00026	3.2913	7.0433	-.00047	3.1036	-.00592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00172**	**.03213**	**.00027**	**.00450**	**.00190**
Stddev	.00055	.00090	.02831	.00014	.00019	.00038
%RSD	565.96	52.326	88.126	51.366	4.2353	20.076
#1	.00048	.00236	.01211	.00017	.00436	.00163
#2	-.00029	.00108	.05214	.00036	.00463	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7909.4**	**103300.**	**6604.1**
Stddev	10.5	314.	49.8
%RSD	.13321	.30359	.75447
#1	7901.9	103520.	6568.9
#2	7916.8	103070.	6639.4

Sample Name: 48924-3 Acquired: 11/11/2013 21:29:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01208**	**.00198**	**.02931**	**.10470**	**-.00001**	**.00292**	**31.443**	**-.00026**	**.00209**
Stddev	.00004	.00014	.00309	.00005	.00010	.00015	.00105	.093	.00000	.00011
%RSD	7.5669	1.1199	156.29	.15561	.09236	1466.7	35.988	.29589	1.6044	5.2480
#1	.00045	.01217	-.00021	.02928	.10477	-.00012	.00366	31.377	-.00027	.00201
#2	.00050	.01198	.00416	.02934	.10463	.00010	.00218	31.509	-.00026	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00185**	**.02686**	**7.5613**	**.11798**	**16.822**	**.09480**	**.00430**	W **560.27**	**.00346**
Stddev	.00003	.00020	.00271	.1036	.00095	.027	.00000	.00011	1.73	.00012
%RSD	29.426	11.055	10.094	1.3706	.80550	.16261	.00517	2.6492	.30838	3.5124
#1	.00014	.00199	.02878	7.4880	.11731	16.841	.09480	.00422	559.05	.00337
#2	.00009	.00171	.02495	7.6346	.11865	16.802	.09479	.00438	561.49	.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00739**	**-.00038**	**27.579**	**-.00257**	**.00074**	**3.3013**	**7.0648**	**-.00003**	**3.0874**	**-.00399**
Stddev	.00118	.00083	.058	.00033	.00081	.0160	.0342	.00042	.0197	.00105
%RSD	16.000	217.24	.21140	12.790	109.55	.48416	.48416	1332.4	.63741	26.388
#1	.00655	.00021	27.538	-.00281	.00131	3.3126	7.0889	-.00033	3.0735	-.00324
#2	.00822	-.00097	27.620	-.00234	.00017	3.2900	7.0406	.00026	3.1013	-.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00168**	**-.00120**	**.00060**	**.00420**	**.00047**
Stddev	.00019	.00094	.02979	.00082	.00014	.00354
%RSD	17.921	56.011	2476.7	135.62	3.2792	758.10
#1	.00094	.00101	.01986	.00118	.00411	-.00204
#2	.00121	.00234	-.02226	.00002	.00430	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7871.7**	**102040.**	**6496.0**
Stddev	13.7	264.	47.1
%RSD	.17399	.25883	.72450
#1	7881.3	102230.	6529.3
#2	7862.0	101850.	6462.7

Sample Name: 48924-3SD@5 Acquired: 11/11/2013 21:31:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.01215**	**.00165**	**.00532**	**.02119**	**-.00002**	**-.00048**	**6.3294**	**-.00007**	**.00064**
Stddev	.00015	.00030	.00206	.00014	.00031	.00004	.00152	.0228	.00001	.00002
%RSD	24.755	2.4787	125.17	2.6512	1.4633	246.72	316.56	.36074	8.8760	3.6973
#1	.00069	.01236	.00310	.00522	.02097	.00001	.00059	6.3132	-.00007	.00063
#2	.00049	.01194	.00019	.00542	.02141	-.00005	-.00156	6.3455	-.00008	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00067**	**.02125**	**1.4745**	**.01996**	**3.3205**	**.01893**	**.00097**	**112.00**	**.00105**
Stddev	.00007	.00043	.00169	.0188	.00381	.0148	.00004	.00017	1.08	.00016
%RSD	192.83	64.170	7.9476	1.2723	19.059	.44619	.19110	17.908	.96461	14.838
#1	-.00008	.00037	.02006	1.4878	.02265	3.3309	.01890	.00109	111.23	.00094
#2	.00001	.00098	.02245	1.4613	.01727	3.3100	.01895	.00085	112.76	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**-.00138**	**5.2291**	**-.00224**	**.00134**	**.65932**	**1.4109**	**.00231**	**.61501**	**-.00090**
Stddev	.00004	.00012	.0274	.00145	.00038	.00397	.0085	.00039	.00415	.00021
%RSD	2.2136	8.5039	.52344	64.724	28.705	.60180	.60180	16.684	.67509	23.474
#1	-.00203	-.00129	5.2485	-.00326	.00107	.66212	1.4169	.00259	.61207	-.00075
#2	-.00197	-.00146	5.2098	-.00121	.00161	.65651	1.4049	.00204	.61794	-.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00194**	**-.01844**	**.00049**	**.00696**	**.00047**
Stddev	.00001	.00170	.00361	.00015	.00000	.00077
%RSD	3.1748	87.571	19.595	30.834	.06439	163.24
#1	-.00033	.00314	-.02100	.00038	.00696	.00102
#2	-.00034	.00074	-.01589	.00059	.00695	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8187.9**	**108510.**	**6465.7**
Stddev	24.6	259.	80.7
%RSD	.30057	.23865	1.2487
#1	8170.5	108330.	6408.6
#2	8205.3	108690.	6522.8

Sample Name: CCVH-2372891 Acquired: 11/11/2013 21:34:15 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00775**	**52.073**	**.00277**	**.00059**	**.00005**	**-.00010**	W **1.1049**	**.03184**	**-.00024**	**-.00040**	**.00012**	**.01253**
Stddev	.00008	.287	.00220	.00023	.00034	.00001	.0004	.00080	.00007	.00005	.00005	.00021
%RSD	1.0503	.55047	79.417	39.910	679.42	9.6376	.03399	2.5217	28.532	12.777	45.493	1.6534
#1	.00770	51.871	.00122	.00075	.00029	-.00011	1.1046	.03241	-.00028	-.00043	.00008	.01238
#2	.00781	52.276	.00433	.00042	-.00019	-.00010	1.1051	.03127	-.00019	-.00036	.00015	.01267
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.360**	**.01915**	**-.00335**	**.08600**	**.00083**	**-.00040**	**267.86**	**.00013**	**-.00152**	**-.00018**	W **5.3538**	**-.00206**
Stddev	.358	.01322	.00032	.00001	.00004	.00004	1.74	.00012	.00171	.00018	.0054	.00060
%RSD	.69797	69.022	9.5699	.00681	4.6803	9.6463	.65078	92.263	112.73	101.49	.10157	29.296
#1	51.107	.02850	-.00312	.08600	.00080	-.00038	266.62	.00005	-.00272	-.00005	5.3500	-.00249
#2	51.614	.00981	-.00357	.08601	.00086	-.00043	269.09	.00022	-.00031	-.00031	5.3577	-.00164
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.02567**	**.05494**	**.00033**	**.00054**	**5.0764**	**-.01347**	**.00071**	F **6.4582**	**.00171**	**.00169**	**.06578**
Stddev	.00109	.02465	.05274	.00065	.00014	.0103	.00014	.00028	.0705	.00024	.00025	.00489
%RSD	51.162	96.006	96.006	199.04	26.913	.20283	1.0098	39.361	1.0915	13.845	15.021	7.4342
#1	-.00290	.00824	.01764	-.00013	.00064	5.0692	-.01338	.00051	6.5081	.00188	.00187	.06232
#2	-.00136	.04310	.09223	.00079	.00043	5.0837	-.01357	.00090	6.4084	.00155	.00151	.06924
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.0**	**108910.**	**6734.2**
Stddev	1.0	728.	15.2
%RSD	.01227	.66871	.22598
#1	8199.3	109420.	6745.0
#2	8200.7	108390.	6723.5

Sample Name: CCV-2372889 Acquired: 11/11/2013 21:36:37 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51663**	**.54290**	**1.0355**	**.52071**	**.51465**	**.50481**	**-.00441**	**5.1825**	**.52121**	**.51870**	**.51998**	**.52228**	**2.5392**
Stddev	.00125	.00056	.0013	.00028	.00232	.00347	.00244	.0118	.00057	.00022	.00049	.00046	.0103
%RSD	.24119	.10365	.12185	.05444	.45082	.68742	55.354	.22790	.10988	.04248	.09484	.08868	.40566
#1	.51575	.54330	1.0346	.52051	.51301	.50236	-.00268	5.1741	.52080	.51855	.52033	.52195	2.5319
#2	.51751	.54251	1.0364	.52091	.51629	.50727	-.00613	5.1908	.52161	.51886	.51963	.52261	2.5465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.569**	**1.0211**	**20.424**	**.50765**	**.52326**	**5.3723**	**.52382**	**1.0302**	**1.0515**	**.05540**	**1.0447**	**1.0469**	**5.0238**
Stddev	.404	.0029	.016	.00093	.00021	.0469	.00032	.0008	.0014	.00006	.0025	.0110	.0074
%RSD	.76807	.28647	.07774	.18376	.04091	.87296	.06134	.08208	.13531	.10170	.24268	1.0482	.14714
#1	52.283	1.0190	20.436	.50699	.52341	5.3392	.52360	1.0296	1.0525	.05544	1.0465	1.0547	5.0186
#2	52.854	1.0232	20.413	.50831	.52310	5.4055	.52405	1.0308	1.0505	.05536	1.0429	1.0392	5.0290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.751**	**1.0546**	**.51411**	**-.00529**	**.50421**	**1.0708**	**.00269**	**.51171**	**.51569**	**.51268**
Stddev	.016	.0054	.00240	.00107	.00078	.0043	.02553	.00163	.00042	.00194
%RSD	.14714	.51294	.46721	20.137	.15464	.40668	949.59	.31860	.08176	.37782
#1	10.740	1.0584	.51241	-.00605	.50366	1.0738	.02074	.51056	.51539	.51405
#2	10.762	1.0508	.51580	-.00454	.50476	1.0677	-.01537	.51287	.51599	.51131
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8415.6**	**112850.**	**6803.6**
Stddev	8.2	224.	85.8
%RSD	.09686	.19844	1.2606
#1	8409.8	113010.	6864.3
#2	8421.3	112690.	6743.0

Sample Name: CCB Acquired: 11/11/2013 21:38:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00350**	**.00115**	**-.00051**	**-.00043**	**.00001**	**-.00013**	**.00395**	**.00011**	**.00025**	**.00013**	**-.00005**	**-.00034**
Stddev	.00017	.00015	.00070	.00035	.00017	.00005	.00060	.00468	.00017	.00022	.00010	.00028	.00007
%RSD	27.003	4.3087	61.014	68.324	40.513	396.68	450.20	118.57	159.47	87.422	77.321	596.27	21.901
#1	.00073	-.00361	.00065	-.00026	-.00055	.00005	.00029	.00726	-.00001	.00041	.00020	-.00024	-.00028
#2	.00050	-.00340	.00165	-.00076	-.00031	-.00002	-.00055	.00064	.00023	.00010	.00006	.00015	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03139**	**-.00021**	**.00063**	**.00004**	**.00046**	**.08228**	**.00048**	**-.00292**	**-.00007**	**.06287**	F **.00796**	**.00189**	**.01178**
Stddev	.00126	.00084	.00103	.00003	.00010	.00192	.00022	.00067	.00011	.00381	.00196	.00076	.00507
%RSD	4.0237	392.80	161.66	69.191	21.105	2.3380	45.320	22.821	162.09	6.0623	24.570	40.398	43.032
#1	-.03228	.00038	.00136	.00002	.00039	.08364	.00033	-.00340	-.00015	.06557	.00658	.00243	.01537
#2	-.03050	-.00080	-.00009	.00006	.00053	.08092	.00063	-.00245	.00001	.06018	.00934	.00135	.00820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02522**	**.00075**	**.00020**	**-.00039**	**-.00056**	**-.00033**	**.03427**	**.00011**	**.00277**	**.00230**
Stddev	.01085	.00002	.00011	.00043	.00000	.00126	.02990	.00024	.00020	.00132
%RSD	43.032	2.2825	57.163	111.00	.20043	381.83	87.244	208.26	7.2050	57.393
#1	.03289	.00076	.00012	-.00008	-.00056	.00056	.01313	-.00005	.00263	.00324
#2	.01755	.00073	.00028	-.00069	-.00057	-.00123	.05541	.00028	.00291	.00137
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8492.1**	**114270.**	**6786.6**
Stddev	39.2	326.	20.2
%RSD	.46172	.28520	.29794
#1	8464.4	114040.	6800.9
#2	8519.8	114500.	6772.3

Sample Name: CCVL2372865 Acquired: 11/11/2013 21:40:59 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.10869**	**.01576**	**.10207**	**.01014**	**.00102**	**.12627**	**.22143**	**.00523**	**.01099**	**.01064**	**.01601**	**.10516**
Stddev	.00025	.00025	.00016	.00050	.00026	.00001	.00079	.00181	.00001	.00002	.00008	.00003	.00068
%RSD	2.3109	.22843	1.0031	.48695	2.5856	.87370	.62748	.81603	.17759	.14351	.77572	.18218	.64359
#1	.01072	.10851	.01565	.10172	.01032	.00101	.12683	.22016	.00523	.01100	.01058	.01599	.10468
#2	.01108	.10886	.01587	.10242	.00995	.00103	.12571	.22271	.00522	.01098	.01070	.01603	.10564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1912**	**.01032**	**.21140**	**.01044**	**.02093**	**1.1256**	**.04337**	**3.0346**	**.00925**	**.06513**	**.00924**	**.01327**	**.50185**
Stddev	.0565	.00023	.00081	.00000	.00009	.0114	.00002	.0001	.00019	.00032	.00140	.00223	.00683
%RSD	1.7714	2.2164	.38252	.02954	.41903	1.0110	.03503	.00472	2.0303	.49140	15.146	16.846	1.3614
#1	3.1512	.01016	.21083	.01044	.02087	1.1336	.04338	3.0345	.00938	.06535	.00825	.01485	.50668
#2	3.2312	.01048	.21197	.01045	.02099	1.1175	.04336	3.0347	.00912	.06490	.01023	.01169	.49702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0740**	**.10787**	**.01054**	**.01468**	**.00962**	**.01715**	F **.08589**	**.01028**	**.02460**	**.01885**
Stddev	.0146	.00022	.00020	.00024	.00012	.00013	.00624	.00010	.00009	.00128
%RSD	1.3614	.20184	1.8636	1.6199	1.2538	.77053	7.2624	.93210	.35464	6.7870
#1	1.0843	.10802	.01040	.01485	.00971	.01725	.09030	.01021	.02466	.01975
#2	1.0636	.10771	.01067	.01451	.00953	.01706	.08148	.01035	.02454	.01794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8590.5**	**116030.**	**6911.2**
Stddev	1.3	652.	17.1
%RSD	.01526	.56234	.24748
#1	8589.5	115570.	6899.1
#2	8591.4	116490.	6923.3

Sample Name: mb 280-199968/1-a Acquired: 11/11/2013 21:43:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00087**	**.00147**	**-.00049**	**-.00033**	**-.00011**	**-.00103**	**.03259**	**.00001**	**.00036**
Stddev	.00038	.00041	.00069	.00038	.00004	.00001	.00172	.00234	.00002	.00008
%RSD	77.614	46.551	46.841	77.224	12.136	13.013	166.68	7.1887	141.32	22.683
#1	.00076	.00059	.00098	-.00076	-.00030	-.00012	.00018	.03425	.00003	.00030
#2	.00022	.00116	.00196	-.00022	-.00036	-.00010	-.00225	.03093	.00000	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00040**	**.00473**	**.01697**	**.00025**	**.00254**	**.00011**	**-.00011**	**.07812**	**.00053**
Stddev	.00001	.00011	.00079	.02088	.00055	.00045	.00001	.00011	.01564	.00013
%RSD	121.05	27.308	16.774	123.07	216.64	17.824	13.206	96.172	20.023	24.396
#1	.00001	.00048	.00417	.03173	-.00014	.00286	.00010	-.00004	.08918	.00062
#2	.00000	.00033	.00529	.00220	.00064	.00222	.00012	-.00019	.06706	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**-.00030**	W **.06685**	**-.00082**	**-.00328**	**.02679**	**.05732**	**.00268**	**.00003**	**.00083**
Stddev	.00025	.00017	.00063	.00324	.00182	.02596	.05555	.00069	.00005	.00139
%RSD	17.455	57.643	.94349	394.75	55.456	96.903	96.903	25.683	169.80	167.25
#1	-.00124	-.00018	.06640	-.00311	-.00199	.04514	.09660	.00317	-.00001	.00181
#2	-.00159	-.00042	.06729	.00147	-.00456	.00843	.01805	.00219	.00007	-.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00005**	**.02504**	**-.00002**	**.00322**	**.00258**
Stddev	.00017	.00116	.04484	.00002	.00009	.00016
%RSD	521.52	2390.1	179.07	102.68	2.8413	6.3105
#1	-.00009	-.00087	-.00666	-.00001	.00328	.00270
#2	.00015	.00077	.05674	-.00004	.00315	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8702.5**	**118550.**	**7080.5**
Stddev	3.6	303.	5.4
%RSD	.04181	.25577	.07605
#1	8705.1	118770.	7084.3
#2	8699.9	118340.	7076.6

Sample Name: lcs 280-199968/2-a Acquired: 11/11/2013 21:45:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04838**	**1.9070**	**.95425**	**.94991**	**1.9232**	**.04647**	**2.1870**	**46.166**	**.10124**	**.47095**
Stddev	.00042	.0010	.00115	.00114	.0005	.00039	.0047	.069	.00008	.00060
%RSD	.86272	.05090	.12001	.11956	.02626	.83136	.21416	.14965	.07577	.12683
#1	.04868	1.9063	.95506	.94911	1.9236	.04620	2.1903	46.118	.10129	.47053
#2	.04809	1.9077	.95344	.95072	1.9228	.04675	2.1837	46.215	.10118	.47137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19416**	**.24698**	**.93708**	**48.840**	**.94723**	**46.576**	**.46654**	**.97841**	**51.025**	**.47668**
Stddev	.00050	.00047	.00811	.068	.00335	.070	.00025	.00074	.480	.00047
%RSD	.25789	.19127	.86549	.14020	.35324	.15091	.05409	.07558	.94130	.09854
#1	.19451	.24664	.93135	48.791	.94487	46.625	.46672	.97789	50.685	.47634
#2	.19380	.24731	.94282	48.888	.94960	46.526	.46636	.97893	51.365	.47701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7735**	**.47159**	**2.0540**	**.46145**	**1.8901**	**1.2953**	**2.7720**	**1.9276**	**.95501**	**.94970**
Stddev	.0032	.00019	.0004	.00009	.0003	.0151	.0324	.0021	.00064	.00038
%RSD	.03274	.04018	.02152	.01914	.01575	1.1687	1.1687	.10903	.06724	.03980
#1	9.7712	.47173	2.0543	.46152	1.8898	1.2846	2.7491	1.9291	.95546	.94997
#2	9.7757	.47146	2.0537	.46139	1.8903	1.3060	2.7949	1.9261	.95455	.94943
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94548**	**1.8631**	**2.0406**	**.47665**	**.46694**	**.48586**
Stddev	.00149	.0033	.0082	.00062	.00005	.00393
%RSD	.15763	.17679	.40063	.12990	.01105	.80904
#1	.94442	1.8608	2.0348	.47709	.46698	.48308
#2	.94653	1.8655	2.0464	.47621	.46691	.48864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8211.1**	**111110.**	**6921.6**
Stddev	5.2	31.	63.4
%RSD	.06303	.02772	.91668
#1	8207.5	111130.	6966.4
#2	8214.8	111080.	6876.7

Sample Name: 280-48951-b-1-a Acquired: 11/11/2013 21:47:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**58.218**	**.01344**	**.07005**	**.45674**	**.00279**	**-.01872**	W **716.94**	**.00198**	**.04251**
Stddev	.00022	.400	.00388	.00083	.00519	.00013	.00042	9.79	.00002	.00035
%RSD	124.15	.68767	28.835	1.1835	1.1355	4.5465	2.2237	1.3662	.88469	.81733
#1	-.00002	58.501	.01070	.07063	.46040	.00288	-.01901	723.86	.00196	.04275
#2	-.00033	57.935	.01618	.06946	.45307	.00270	-.01843	710.01	.00199	.04226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11694**	**.09974**	**105.27**	**12.902**	**.16033**	**217.48**	**3.6409**	**.00390**	**86.248**	**.11376**
Stddev	.00001	.00011	1.67	.118	.00160	.50	.0104	.00001	.619	.00024
%RSD	.00790	.10978	1.5873	.91625	.99894	.23126	.28675	.21829	.71790	.20924
#1	.11693	.09966	106.45	12.986	.16146	217.84	3.6483	.00389	86.686	.11392
#2	.11695	.09981	104.09	12.819	.15920	217.13	3.6336	.00390	85.810	.11359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8193**	**.04494**	**5.3542**	**.00158**	**.00392**	**3.5591**	**7.6165**	**.00703**	**.71319**	**.03173**
Stddev	.0121	.00123	.0061	.00324	.00339	.0588	.1259	.00022	.00765	.00224
%RSD	.31784	2.7425	.11434	205.55	86.491	1.6525	1.6525	3.1923	1.0726	7.0733
#1	3.8107	.04581	5.3499	-.00071	.00631	3.6007	7.7055	.00719	.71860	.03015
#2	3.8279	.04407	5.3586	.00387	.00152	3.5175	7.5275	.00688	.70779	.03332
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4981**	**.00074**	F **-.13771**	**.13318**	**.27686**	**.08892**
Stddev	.0026	.00172	.01677	.00036	.00067	.00234
%RSD	.17511	231.68	12.180	.27167	.24334	2.6289
#1	1.4963	.00196	-.14957	.13344	.27638	.08727
#2	1.5000	-.00047	-.12585	.13293	.27733	.09058
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.2**	**105840.**	**6941.7**
Stddev	5.7	302.	11.5
%RSD	.07055	.28545	.16547
#1	8094.2	105630.	6933.6
#2	8086.1	106060.	6949.9

Sample Name: 280-48951-b-3-a Acquired: 11/11/2013 21:50:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**79.132**	**.01483**	**.10198**	**.53966**	**.00365**	**-.02533**	W **670.40**	**.00208**	**.04957**
Stddev	.00028	.332	.00318	.00011	.00332	.00012	.00082	11.05	.00001	.00018
%RSD	60462.	.41971	21.456	.10740	.61451	3.1498	3.2253	1.6484	.66497	.35927
#1	.00020	78.897	.01708	.10206	.53732	.00374	-.02476	678.22	.00207	.04944
#2	-.00020	79.367	.01258	.10190	.54201	.00357	-.02591	662.59	.00209	.04970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14414**	**.10948**	**124.31**	**18.320**	**.19738**	**233.80**	**4.3971**	**.00317**	**71.893**	**.12960**
Stddev	.00021	.00088	1.61	.102	.00319	.14	.0691	.00028	.047	.00012
%RSD	.14593	.80365	1.2958	.55800	1.6173	.05835	1.5711	8.7527	.06572	.09620
#1	.14399	.11011	123.17	18.248	.19513	233.70	4.3483	.00336	71.927	.12951
#2	.14429	.10886	125.45	18.392	.19964	233.90	4.4460	.00297	71.860	.12969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8948**	**.04912**	**5.1901**	**.00230**	**-.00147**	**3.4731**	**7.4324**	**.00782**	**.73936**	**.03534**
Stddev	.0025	.00154	.0106	.00073	.00050	.0087	.0185	.00038	.00478	.00215
%RSD	.06482	3.1398	.20459	31.619	34.048	.24944	.24944	4.8969	.64646	6.0720
#1	3.8930	.05021	5.1826	.00281	-.00111	3.4792	7.4455	.00809	.73598	.03685
#2	3.8966	.04803	5.1976	.00178	-.00182	3.4669	7.4192	.00755	.74274	.03382
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9381**	**-.00233**	F **-.18721**	**.17063**	**.33086**	**.11525**
Stddev	.0005	.00014	.01943	.00074	.00025	.00073
%RSD	.02774	5.8273	10.376	.43449	.07616	.63441
#1	1.9377	-.00243	-.17348	.17010	.33068	.11577
#2	1.9385	-.00223	-.20095	.17115	.33104	.11474
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8112.3**	**105580.**	**6971.8**
Stddev	2.5	165.	28.1
%RSD	.03135	.15582	.40320
#1	8110.5	105690.	6991.6
#2	8114.1	105460.	6951.9

Sample Name: 280-48951-b-3-aSD@5 Acquired: 11/11/2013 21:52:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**16.354**	**.00397**	**.02105**	**.11195**	**.00078**	**-.00634**	**145.32**	**.00079**	**.01101**
Stddev	.00013	.136	.00023	.00004	.00036	.00006	.00104	.79	.00007	.00008
%RSD	41.756	.83080	5.7872	.20459	.32138	7.3184	16.372	.54606	8.9783	.72021
#1	.00022	16.258	.00413	.02108	.11169	.00083	-.00708	144.76	.00084	.01107
#2	.00040	16.450	.00380	.02102	.11220	.00074	-.00561	145.88	.00074	.01096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03020**	**.02254**	**25.374**	**3.6530**	**.04073**	**49.186**	**.93401**	**.00051**	**14.888**	**.02849**
Stddev	.00003	.00059	.104	.0438	.00036	.107	.00101	.00011	.091	.00012
%RSD	.08759	2.6255	.41114	1.1999	.87457	.21658	.10802	21.257	.61181	.43579
#1	.03022	.02213	25.301	3.6220	.04048	49.261	.93472	.00059	14.952	.02857
#2	.03019	.02296	25.448	3.6840	.04098	49.111	.93330	.00043	14.823	.02840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78289**	**.01187**	**1.0635**	**-.00086**	**.00059**	**.69838**	**1.4945**	**.00357**	**.15339**	**.00897**
Stddev	.00163	.00101	.0009	.00065	.00386	.01146	.0245	.00056	.00123	.00061
%RSD	.20854	8.4863	.08326	74.769	655.83	1.6410	1.6410	15.771	.80394	6.7884
#1	.78173	.01258	1.0629	-.00132	.00332	.69028	1.4772	.00318	.15252	.00854
#2	.78404	.01116	1.0642	-.00041	-.00214	.70649	1.5119	.00397	.15426	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39905**	**-.00008**	**-.03456**	**.03550**	**.07614**	**.02642**
Stddev	.00109	.00058	.03583	.00015	.00021	.00046
%RSD	.27436	751.29	103.67	.41194	.28092	1.7600
#1	.39982	-.00049	-.00923	.03560	.07599	.02609
#2	.39827	.00033	-.05990	.03540	.07630	.02675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8242.1**	**108700.**	**6661.1**
Stddev	3.6	29.	41.5
%RSD	.04406	.02675	.62302
#1	8239.6	108720.	6690.5
#2	8244.7	108680.	6631.8

Sample Name: 280-48951-b-3-b ms Acquired: 11/11/2013 21:54:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04763**	**136.48**	**.91806**	**1.0443**	**2.5665**	**.04858**	F **1.9546**	W **782.91**	**.09724**	**.46259**
Stddev	.00074	.22	.00123	.0027	.0178	.00005	.0083	3.37	.00081	.00136
%RSD	1.5509	.15870	.13362	.25471	.69332	.10409	.42652	.43006	.82805	.29312
#1	.04711	136.32	.91893	1.0462	2.5539	.04854	1.9605	785.29	.09781	.46354
#2	.04816	136.63	.91720	1.0424	2.5791	.04862	1.9487	780.53	.09667	.46163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37174**	**.35642**	**147.06**	**87.121**	**1.1872**	**304.20**	**5.2577**	**.87781**	**127.72**	**.55543**
Stddev	.00050	.00018	.73	.509	.0068	.14	.0458	.00211	.48	.00094
%RSD	.13316	.05013	.49477	.58418	.57122	.04729	.87170	.24032	.37595	.16854
#1	.37209	.35629	146.55	86.761	1.1824	304.30	5.2253	.87931	127.38	.55609
#2	.37139	.35655	147.58	87.481	1.1920	304.10	5.2901	.87632	128.05	.55476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.382**	**.45238**	**7.1683**	**.25016**	**1.7420**	**6.6487**	**14.228**	**1.6686**	**1.7682**	**.95663**
Stddev	.022	.00063	.0109	.00127	.0030	.0404	.087	.0084	.0094	.00386
%RSD	.16120	.13921	.15236	.50571	.17240	.60824	.60824	.50359	.53360	.40389
#1	13.397	.45283	7.1760	.25106	1.7399	6.6201	14.167	1.6745	1.7616	.95936
#2	13.367	.45194	7.1606	.24927	1.7441	6.6773	14.289	1.6626	1.7749	.95390
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9272**	**1.4825**	**1.7115**	**.70742**	**.79767**	**.62694**
Stddev	.0005	.0056	.0014	.00130	.00274	.00110
%RSD	.01228	.37730	.08024	.18344	.34323	.17598
#1	3.9276	1.4864	1.7106	.70834	.79961	.62616
#2	3.9269	1.4785	1.7125	.70651	.79573	.62772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.1**	**104860.**	**6891.8**
Stddev	18.6	165.	25.2
%RSD	.23044	.15720	.36537
#1	8050.0	104740.	6874.0
#2	8076.2	104970.	6909.6

Sample Name: 280-48951-b-3-c msd Acquired: 11/11/2013 21:57:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04782**	**133.62**	**.92287**	**1.0731**	**2.5128**	**.04859**	F **1.9707**	W **691.48**	**.09781**	**.46128**
Stddev	.00033	.38	.00147	.0021	.0066	.00029	.0018	12.87	.00022	.00060
%RSD	.69274	.28685	.15950	.19116	.26330	.58724	.08907	1.8615	.22626	.12919
#1	.04758	133.35	.92392	1.0717	2.5081	.04839	1.9695	700.59	.09766	.46086
#2	.04805	133.89	.92183	1.0746	2.5175	.04880	1.9720	682.38	.09797	.46170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36405**	**.34873**	**135.11**	**87.387**	**1.1678**	**279.75**	**4.7570**	**.87776**	**119.87**	**.54734**
Stddev	.00055	.00030	.06	.237	.0004	.63	.0044	.00188	.55	.00019
%RSD	.15159	.08544	.04622	.27096	.03037	.22398	.09271	.21432	.45487	.03529
#1	.36366	.34894	135.15	87.220	1.1681	279.31	4.7601	.87643	119.49	.54720
#2	.36444	.34852	135.06	87.555	1.1676	280.19	4.7539	.87909	120.26	.54747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.980**	**.45337**	**6.7118**	**.24808**	**1.7578**	**6.0843**	**13.020**	**1.6711**	**1.6807**	**.95411**
Stddev	.034	.00197	.0004	.00278	.0009	.0333	.071	.0078	.0019	.00268
%RSD	.26242	.43529	.00669	1.1197	.05208	.54773	.54773	.46720	.11297	.28067
#1	12.956	.45197	6.7121	.24612	1.7572	6.0607	12.970	1.6655	1.6794	.95222
#2	13.004	.45476	6.7115	.25005	1.7584	6.1079	13.071	1.6766	1.6821	.95601
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9474**	**1.4972**	**1.7495**	**.70267**	**.76077**	**.61651**
Stddev	.0031	.0003	.0471	.00080	.00112	.00179
%RSD	.07916	.01802	2.6942	.11454	.14749	.29102
#1	3.9452	1.4970	1.7828	.70324	.75998	.61778
#2	3.9496	1.4974	1.7161	.70211	.76157	.61524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.2**	**106260.**	**7040.2**
Stddev	21.0	103.	17.6
%RSD	.25829	.09728	.24989
#1	8130.0	106330.	7027.7
#2	8100.4	106190.	7052.6

Sample Name: 280-48951-b-4-a Acquired: 11/11/2013 21:59:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**42.955**	**.03001**	**.06661**	**.41406**	**.00203**	**-.01477**	**297.75**	**.01064**	**.03086**
Stddev	.00001	.028	.00165	.00045	.00093	.00001	.00280	.63	.00012	.00008
%RSD	.32319	.06477	5.4827	.67929	.22575	.39909	18.946	.21312	1.0956	.25952
#1	.00296	42.975	.03118	.06629	.41340	.00202	-.01280	298.20	.01056	.03092
#2	.00297	42.935	.02885	.06693	.41472	.00203	-.01675	297.30	.01072	.03080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35320**	**.43274**	**79.750**	**9.1781**	**.07840**	**142.43**	**1.6994**	**.01273**	**1.4759**	**.11722**
Stddev	.00072	.00204	.412	.0026	.00196	.66	.0014	.00008	.0228	.00072
%RSD	.20307	.47224	.51722	.02789	2.4944	.46259	.08021	.59664	1.5443	.61454
#1	.35269	.43130	80.042	9.1799	.07978	142.89	1.7004	.01268	1.4920	.11671
#2	.35371	.43419	79.458	9.1762	.07702	141.96	1.6984	.01279	1.4598	.11773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.6310**	**.72714**	**9.3909**	**.00322**	**.00325**	**2.5595**	**5.4773**	**.03162**	**.36061**	**.01751**
Stddev	.0134	.00375	.0173	.00173	.00085	.0068	.0146	.00068	.00013	.00040
%RSD	.28882	.51595	.18453	53.676	26.151	.26604	.26604	2.1356	.03730	2.2714
#1	4.6216	.72448	9.3787	.00445	.00265	2.5643	5.4876	.03115	.36071	.01723
#2	4.6405	.72979	9.4032	.00200	.00386	2.5547	5.4670	.03210	.36052	.01779
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96013**	**.00139**	F **-.12059**	**.10505**	**1.8216**	**.02855**
Stddev	.00182	.00132	.01431	.00051	.0005	.00020
%RSD	.18919	94.934	11.865	.48433	.02597	.70490
#1	.96141	.00046	-.13071	.10469	1.8219	.02870
#2	.95885	.00232	-.11048	.10541	1.8212	.02841
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8315.2**	**109760.**	**7009.3**
Stddev	24.0	495.	76.8
%RSD	.28832	.45095	1.0956
#1	8332.2	109410.	7063.6
#2	8298.3	110110.	6955.0

Sample Name: 280-48951-b-5-a Acquired: 11/11/2013 22:02:07 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**44.335**	**.03000**	**.06220**	**.43216**	**.00212**	**-.01577**	**355.67**	**.01031**	**.03494**
Stddev	.00002	.028	.00286	.00049	.00017	.00003	.00193	9.27	.00023	.00024
%RSD	1.0202	.06240	9.5243	.78822	.03886	1.4055	12.259	2.6072	2.1914	.67737
#1	.00210	44.315	.03203	.06186	.43228	.00214	-.01714	349.12	.01047	.03511
#2	.00207	44.354	.02798	.06255	.43204	.00210	-.01441	362.23	.01016	.03478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35046**	**.46543**	**85.430**	**9.1757**	**.08366**	**165.10**	**1.8086**	**.01268**	**4.2470**	**.11976**
Stddev	.00042	.00064	.849	.0329	.00263	.16	.0031	.00020	.0193	.00023
%RSD	.11891	.13847	.99391	.35889	3.1392	.09449	.16912	1.5621	.45361	.19184
#1	.35017	.46497	86.030	9.1990	.08552	164.99	1.8065	.01282	4.2606	.11960
#2	.35076	.46588	84.829	9.1524	.08181	165.21	1.8108	.01254	4.2334	.11992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.8586**	**.87058**	**12.254**	**.00343**	**.00099**	**2.5785**	**5.5180**	**.03290**	**.43008**	**.01582**
Stddev	.0119	.00027	.004	.00149	.00032	.0372	.0796	.00068	.00110	.00319
%RSD	.24466	.03147	.03480	43.538	31.891	1.4421	1.4421	2.0577	.25553	20.160
#1	4.8501	.87039	12.251	.00449	.00077	2.6048	5.5743	.03242	.43085	.01356
#2	4.8670	.87077	12.257	.00237	.00122	2.5522	5.4617	.03338	.42930	.01807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0882**	**.00031**	W **-.09622**	**.11764**	**1.8638**	**.03636**
Stddev	.0003	.00084	.02935	.00044	.0054	.00215
%RSD	.02569	269.82	30.503	.37374	.29077	5.9062
#1	1.0884	-.00028	-.07547	.11733	1.8600	.03788
#2	1.0880	.00090	-.11698	.11795	1.8677	.03484
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8260.9**	**108590.**	**6950.4**
Stddev	5.0	319.	4.3
%RSD	.06071	.29338	.06239
#1	8264.4	108370.	6953.5
#2	8257.3	108820.	6947.4

Sample Name: 280-48951-b-7-a Acquired: 11/11/2013 22:04:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01473**	**80.878**	**.07601**	**.09561**	**.77153**	**.00460**	**-.01844**	**385.79**	**.04034**	**.05523**
Stddev	.00046	.449	.00032	.00027	.00202	.00001	.00260	3.68	.00012	.00039
%RSD	3.1280	.55524	.42016	.28537	.26126	.31912	14.105	.95360	.29383	.70296
#1	.01440	80.560	.07579	.09542	.77010	.00459	-.02028	388.39	.04042	.05496
#2	.01505	81.195	.07624	.09580	.77295	.00461	-.01660	383.19	.04025	.05551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79277**	**.55698**	**134.31**	**15.842**	**.16166**	**185.11**	**2.6611**	**.01772**	**12.436**	**.20092**
Stddev	.00096	.00113	.31	.074	.00274	.49	.0293	.00001	.045	.00008
%RSD	.12137	.20344	.23241	.46956	1.6977	.26479	1.0998	.06655	.36015	.03827
#1	.79345	.55618	134.09	15.789	.15972	184.76	2.6404	.01772	12.405	.20086
#2	.79209	.55778	134.53	15.894	.16360	185.45	2.6818	.01773	12.468	.20097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5977**	**2.3015**	**15.456**	**.00792**	**.00395**	**2.8785**	**6.1599**	**.07274**	**.69243**	**.03150**
Stddev	.0087	.0037	.007	.00189	.00048	.0312	.0667	.00001	.00176	.00098
%RSD	.11476	.16139	.04278	23.850	12.058	1.0834	1.0834	.01585	.25372	3.1123
#1	7.5915	2.3041	15.461	.00925	.00429	2.8564	6.1127	.07275	.69118	.03219
#2	7.6038	2.2989	15.452	.00658	.00361	2.9005	6.2071	.07274	.69367	.03080
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3572**	**-.00026**	F **-.12852**	**.17839**	**2.9312**	**.06502**
Stddev	.0003	.00135	.02930	.00027	.0081	.00031
%RSD	.02520	521.94	22.801	.14939	.27729	.46987
#1	1.3575	.00070	-.14924	.17858	2.9369	.06524
#2	1.3570	-.00121	-.10780	.17820	2.9254	.06481
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8379.8**	**109330.**	**7171.2**
Stddev	24.3	230.	12.1
%RSD	.28994	.21075	.16844
#1	8362.6	109490.	7179.7
#2	8397.0	109160.	7162.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 22:07:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00808**	**51.569**	**.00104**	**.00085**	**.00007**	**-.00013**	W **1.0985**	**.06957**	**-.00011**	**-.00038**	**.00023**	**.01235**
Stddev	.00016	.278	.00069	.00045	.00018	.00005	.0002	.00726	.00000	.00008	.00006	.00038
%RSD	1.9397	.53993	66.852	52.261	273.94	39.224	.01861	10.436	4.5212	20.130	24.080	3.1110
#1	.00819	51.766	.00055	.00117	-.00006	-.00010	1.0984	.07470	-.00010	-.00043	.00027	.01262
#2	.00797	51.372	.00153	.00054	.00019	-.00017	1.0987	.06443	-.00011	-.00032	.00019	.01208
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.632**	**-.00821**	**-.00253**	**.10332**	**.00103**	**.00003**	**265.86**	**-.00003**	**-.00356**	**.00084**	W **5.2786**	**.00139**
Stddev	.661	.01275	.00082	.00309	.00002	.00001	.23	.00034	.00060	.00048	.0017	.00152
%RSD	1.3061	155.32	32.340	2.9926	2.1625	31.663	.08554	1217.0	16.842	56.897	.03217	109.18
#1	51.100	.00081	-.00311	.10551	.00101	.00004	266.02	-.00027	-.00314	.00050	5.2798	.00247
#2	50.164	-.01722	-.00195	.10113	.00104	.00002	265.70	.00021	-.00398	.00118	5.2774	.00032
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00588**	**.01371**	**.02934**	**.00030**	**.00024**	**4.9985**	**-.01279**	**.00076**	F **6.3517**	**.00125**	**.00187**	**.06336**
Stddev	.00109	.00494	.01058	.00089	.00003	.0150	.00028	.00014	.0409	.00004	.00004	.00842
%RSD	18.558	36.055	36.055	295.62	11.807	.30077	2.1944	18.260	.64333	3.2781	1.9152	13.294
#1	-.00665	.01720	.03681	.00093	.00022	4.9878	-.01259	.00067	6.3806	.00122	.00190	.06931
#2	-.00511	.01021	.02186	-.00033	.00026	5.0091	-.01299	.00086	6.3228	.00128	.00185	.05740
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.2**	**108550.**	**6661.1**
Stddev	6.7	356.	19.1
%RSD	.08191	.32826	.28721
#1	8200.9	108300.	6647.6
#2	8191.4	108810.	6674.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 22:09:23 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52212**	F **.55743**	**1.0386**	**.52357**	**.52088**	**.50762**	**-.00554**	**5.2733**	**.52582**	**.52300**	**.52581**	**.52531**	**2.5539**
Stddev	.00147	.00073	.0064	.00029	.00281	.00438	.00085	.0211	.00045	.00031	.00065	.00015	.0008
%RSD	.28150	.13026	.61430	.05568	.54013	.86277	15.243	.40024	.08556	.05869	.12320	.02847	.03312
#1	.52108	.55794	1.0341	.52337	.51889	.50452	-.00495	5.2584	.52551	.52278	.52627	.52521	2.5533
#2	.52316	.55691	1.0431	.52378	.52287	.51072	-.00614	5.2882	.52614	.52322	.52535	.52542	2.5545
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.154**	**1.0307**	**20.805**	**.51499**	**.53149**	**5.3191**	**.52892**	**1.0460**	**1.0659**	**.04482**	**1.0519**	**1.0512**	**5.0664**
Stddev	.190	.0049	.024	.00076	.00382	.0289	.00017	.0085	.0068	.00349	.0037	.0014	.0137
%RSD	.35738	.47063	.11317	.14691	.71928	.54387	.03236	.81569	.63470	7.7784	.35116	.13775	.27093
#1	53.019	1.0273	20.788	.51446	.52878	5.2987	.52904	1.0400	1.0611	.04729	1.0493	1.0523	5.0567
#2	53.288	1.0342	20.821	.51553	.53419	5.3396	.52880	1.0520	1.0706	.04236	1.0545	1.0502	5.0761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.842**	**1.0635**	**.51895**	**-.00367**	**.51026**	**1.0707**	**.02940**	**.51759**	**.52906**	**.51908**
Stddev	.029	.0010	.00255	.00119	.00082	.0021	.02783	.00136	.00016	.00268
%RSD	.27093	.09261	.49081	32.500	.16083	.19670	94.680	.26327	.02979	.51595
#1	10.821	1.0642	.51715	-.00451	.50968	1.0722	.04908	.51855	.52895	.52098
#2	10.863	1.0628	.52075	-.00282	.51084	1.0692	.00972	.51663	.52918	.51719
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.5**	**111470.**	**6762.1**
Stddev	12.4	421.	26.2
%RSD	.14803	.37759	.38750
#1	8356.7	111770.	6780.7
#2	8374.2	111170.	6743.6

Sample Name: CCB Acquired: 11/11/2013 22:11:30 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00099**	**.00062**	**-.00024**	**-.00032**	**.00002**	**-.00188**	**.01990**	**.00000**	**.00017**	**-.00007**	**.00010**
Stddev	.00003	.00005	.00292	.00025	.00021	.00009	.00082	.00102	.0000	.00004	.00012	.00051
%RSD	4.8553	4.9527	474.68	105.75	64.988	450.63	43.775	5.1308	339.50	26.074	174.40	522.13
#1	.00063	-.00095	-.00145	-.00006	-.00017	.00008	-.00130	.01918	.00001	.00020	-.00016	-.00026
#2	.00059	-.00102	.00268	-.00042	-.00046	-.00004	-.00246	.02062	-.00002	.00014	.00002	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.03775**	**-.00160**	**.00597**	**.00013**	**.00054**	**-.00979**	**.00034**	**-.00397**	**-.00084**	**.04704**	F **.00795**
Stddev	.00336	.03107	.00146	.00283	.00000	.00018	.00752	.00024	.00173	.00020	.00058	.00119
%RSD	85.122	82.300	91.149	47.394	3.5857	34.351	76.825	70.731	43.580	23.365	1.2225	14.904
#1	.00632	-.01578	-.00057	.00397	.00013	.00067	-.01511	.00051	-.00520	-.00070	.04663	.00712
#2	.00157	-.05972	-.00263	.00797	.00013	.00041	-.00447	.00017	-.00275	-.00098	.04744	.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.01064**	**.02276**	**.00033**	**.00003**	**.00070**	**-.00031**	**-.00038**	**-.00427**	**.00034**	**.00303**	W **.00287**
Stddev	.00053	.00721	.01543	.00005	.00002	.00241	.00008	.00114	.00957	.00057	.00025	.00141
%RSD	53.446	67.802	67.802	15.939	69.001	343.50	25.112	300.23	223.94	167.32	8.3332	49.234
#1	.00062	.01574	.03368	.00029	.00002	-.00100	-.00036	.00043	.00249	-.00006	.00285	.00387
#2	.00137	.00554	.01185	.00036	.00005	.00241	-.00025	-.00119	-.01104	.00074	.00321	.00187
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8430.9**	**113780.**	**6612.3**
Stddev	15.3	474.	38.0
%RSD	.18111	.41637	.57423
#1	8420.1	114120.	6585.4
#2	8441.7	113450.	6639.1

Sample Name: CCVL2372865 Acquired: 11/11/2013 22:13:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01158**	**.11446**	**.01491**	**.10367**	**.01045**	**.00101**	F **.13025**	**.22634**	**.00540**	**.01113**	**.01098**	**.01686**	**.10858**
Stddev	.00004	.00072	.00192	.00092	.00017	.00006	.00176	.00568	.00017	.00015	.00009	.00001	.00192
%RSD	.37637	.62702	12.881	.88933	1.6348	6.2523	1.3548	2.5089	3.1278	1.3223	.82004	.04548	1.7638
#1	.01155	.11396	.01355	.10432	.01057	.00096	.13150	.22232	.00552	.01123	.01091	.01687	.10723
#2	.01161	.11497	.01626	.10301	.01033	.00105	.12900	.23036	.00529	.01103	.01104	.01686	.10993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2320**	**.00961**	**.22520**	**.01066**	**.02109**	**1.0903**	**.04446**	**3.0938**	**.00990**	**.04152**	**.01062**	**.01590**	**.51505**
Stddev	.0706	.00044	.00240	.00000	.00013	.0227	.00004	.0123	.00029	.00037	.00059	.00215	.01139
%RSD	2.1840	4.6024	1.0657	.00780	.60752	2.0844	.09926	.39861	2.9755	.88479	5.5976	13.502	2.2113
#1	3.1821	.00930	.22690	.01066	.02100	1.0742	.04449	3.1026	.01010	.04178	.01020	.01742	.50700
#2	3.2819	.00993	.22350	.01066	.02118	1.1064	.04443	3.0851	.00969	.04126	.01104	.01439	.52310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1022**	**.10857**	**.01061**	**.01524**	**.00961**	**.01822**	F **.10370**	**.01056**	**.02410**	**.01738**
Stddev	.0244	.00051	.00006	.00083	.00030	.00006	.01275	.00053	.00019	.00009
%RSD	2.2113	.47076	.56467	5.4691	3.0750	.32601	12.296	4.9749	.78196	.49589
#1	1.0850	.10821	.01065	.01465	.00982	.01817	.09468	.01093	.02397	.01744
#2	1.1194	.10894	.01057	.01583	.00940	.01826	.11272	.01018	.02423	.01732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8606.6**	**117560.**	**6783.2**
Stddev	65.8	287.	35.4
%RSD	.76471	.24446	.52255
#1	8653.1	117760.	6808.2
#2	8560.1	117360.	6758.1

Sample Name: 280-48951-b-9-a Acquired: 11/11/2013 22:16:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**80.594**	**.01622**	**.10555**	**.49521**	**.00369**	**-.02285**	W **764.86**	**.00276**	**.05402**
Stddev	.00046	.026	.00107	.00057	.00147	.00006	.00219	4.89	.00006	.00019
%RSD	268.35	.03256	6.5704	.54145	.29626	1.7198	9.5811	.63918	2.2815	.34374
#1	.00015	80.575	.01697	.10514	.49624	.00374	-.02440	761.40	.00280	.05389
#2	-.00049	80.612	.01547	.10595	.49417	.00365	-.02130	768.31	.00271	.05415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15126**	**.12692**	**130.04**	**18.027**	**.20757**	**305.29**	**4.4376**	**.00354**	**22.525**	**.13755**
Stddev	.00020	.00019	.79	.038	.00233	.60	.0521	.00022	.199	.00010
%RSD	.13327	.14663	.60811	.21062	1.1239	.19569	1.1749	6.2575	.88340	.07184
#1	.15112	.12706	129.48	18.000	.20592	305.72	4.4007	.00339	22.384	.13762
#2	.15141	.12679	130.60	18.054	.20922	304.87	4.4744	.00370	22.666	.13748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9186**	**.07273**	**4.3627**	**.00404**	**-.00129**	**3.0761**	**6.5829**	**.00894**	**.80929**	**.03751**
Stddev	.0056	.00066	.0049	.00281	.00135	.0614	.1314	.00022	.00068	.00137
%RSD	.14377	.90743	.11236	69.705	105.22	1.9958	1.9958	2.4985	.08367	3.6436
#1	3.9146	.07320	4.3592	.00205	-.00033	3.0327	6.4900	.00878	.80977	.03847
#2	3.9226	.07227	4.3662	.00603	-.00224	3.1195	6.6758	.00909	.80881	.03654
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9482**	**-.00153**	F **-.16236**	**.18255**	**.43553**	**.11497**
Stddev	.0028	.00149	.02602	.00055	.00087	.00149
%RSD	.14390	97.442	16.025	.29884	.19957	1.2919
#1	1.9502	-.00048	-.18076	.18217	.43492	.11602
#2	1.9462	-.00259	-.14397	.18294	.43615	.11392
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8111.9**	**106010.**	**6976.8**
Stddev	9.2	202.	14.0
%RSD	.11376	.19074	.20064
#1	8105.4	106160.	6966.9
#2	8118.4	105870.	6986.7

Sample Name: 280-48951-b-11-a Acquired: 11/11/2013 22:18:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**56.907**	**.02066**	**.08067**	**.56042**	**.00259**	**-.01934**	W **821.10**	**.00250**	**.04308**
Stddev	.00028	.193	.00126	.00036	.00040	.00008	.00127	10.87	.00015	.00020
%RSD	186.25	.33970	6.1072	.44037	.07159	2.8993	6.5698	1.3235	6.0636	.46037
#1	.00034	57.044	.02155	.08092	.56014	.00265	-.02024	813.42	.00260	.04294
#2	-.00005	56.770	.01977	.08042	.56070	.00254	-.01845	828.78	.00239	.04322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10634**	**.11932**	**104.46**	**13.304**	**.15678**	**223.29**	**3.4908**	**.01309**	**24.888**	**.11123**
Stddev	.00007	.00014	.16	.053	.00055	1.57	.0215	.00003	.050	.00071
%RSD	.06362	.11603	.14838	.39762	.35146	.70214	.61477	.23555	.20065	.63971
#1	.10638	.11941	104.35	13.342	.15717	222.18	3.5060	.01311	24.923	.11073
#2	.10629	.11922	104.57	13.267	.15639	224.40	3.4757	.01307	24.852	.11173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.1644**	**.04938**	**28.271**	**.00019**	**.00477**	**2.7229**	**5.8270**	**.00572**	**1.5083**	**.02559**
Stddev	.0040	.00176	.034	.00035	.00068	.0084	.0179	.00036	.0018	.00278
%RSD	.12785	3.5721	.12198	183.30	14.338	.30737	.30737	6.2210	.11986	10.877
#1	3.1673	.04813	28.246	.00044	.00525	2.7288	5.8396	.00547	1.5071	.02362
#2	3.1615	.05063	28.295	-.00006	.00428	2.7170	5.8143	.00597	1.5096	.02756
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4245**	**-.00014**	F **-.14483**	**.14860**	**.37531**	**.08408**
Stddev	.0046	.00150	.01330	.00023	.00060	.00235
%RSD	.32418	1098.3	9.1829	.15476	.15955	2.7964
#1	1.4212	-.00119	-.15423	.14844	.37489	.08574
#2	1.4277	.00092	-.13543	.14876	.37573	.08242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8052.9**	**106250.**	**7038.8**
Stddev	8.6	462.	.5
%RSD	.10680	.43453	.00726
#1	8046.8	106580.	7039.1
#2	8059.0	105930.	7038.4

Sample Name: 280-48951-b-12-a Acquired: 11/11/2013 22:21:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01273**	**85.833**	**.08766**	**.09583**	**.88283**	**.00503**	**-.02296**	**445.14**	**.04503**	**.06231**
Stddev	.00008	.071	.00189	.00042	.00138	.00000	.00213	13.18	.00011	.00005
%RSD	.62616	.08228	2.1525	.43771	.15681	.02641	9.2981	2.9602	.24682	.08037
#1	.01267	85.783	.08633	.09613	.88381	.00503	-.02447	435.83	.04511	.06235
#2	.01278	85.883	.08900	.09554	.88185	.00503	-.02145	454.46	.04496	.06227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0189**	**.68337**	**151.81**	**15.856**	**.17116**	**207.83**	**2.9621**	**.02056**	**15.435**	**.23011**
Stddev	.0032	.00129	.39	.015	.00108	1.57	.0092	.00030	.065	.00023
%RSD	.31907	.18865	.25838	.09328	.63217	.75444	.31167	1.4569	.42313	.09998
#1	1.0212	.68246	152.09	15.866	.17193	208.94	2.9556	.02035	15.389	.23027
#2	1.0166	.68428	151.54	15.846	.17040	206.72	2.9687	.02077	15.481	.22995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.9692**	**2.6828**	**17.596**	**.01531**	**.00448**	**2.8381**	**6.0736**	**.08661**	**.79105**	**.03073**
Stddev	.0312	.0052	.074	.00203	.00105	.0195	.0417	.00001	.00114	.00223
%RSD	.34798	.19471	.42107	13.281	23.420	.68663	.68663	.00833	.14391	7.2401
#1	8.9913	2.6865	17.649	.01674	.00374	2.8519	6.1031	.08661	.79186	.03231
#2	8.9472	2.6791	17.544	.01387	.00523	2.8243	6.0441	.08660	.79025	.02916
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3226**	**-.00036**	F **-.12690**	**.19406**	**3.4512**	**.06609**
Stddev	.0049	.00034	.07847	.00049	.0042	.00091
%RSD	.36642	94.224	61.840	.24997	.12154	1.3794
#1	1.3260	-.00060	-.18238	.19440	3.4542	.06673
#2	1.3192	-.00012	-.07141	.19372	3.4483	.06545
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8388.7**	**110450.**	**7236.9**
Stddev	39.4	8.	9.9
%RSD	.46962	.00703	.13743
#1	8360.9	110440.	7243.9
#2	8416.6	110450.	7229.8

Sample Name: 280-48951-b-14-a Acquired: 11/11/2013 22:23:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**39.646**	**.01824**	**.06946**	**.26888**	**.00189**	**-.01406**	W **734.03**	**.00245**	**.03626**
Stddev	.00033	.128	.00162	.00114	.00109	.00001	.00051	8.18	.00001	.00062
%RSD	144.25	.32171	8.8696	1.6353	.40618	.27078	3.5959	1.1138	.22850	1.7133
#1	.00000	39.736	.01939	.06866	.26965	.00189	-.01370	739.81	.00244	.03582
#2	.00046	39.556	.01710	.07027	.26811	.00189	-.01442	728.25	.00245	.03670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07911**	**.10068**	**80.577**	**8.7178**	**.11487**	**308.74**	**3.8548**	**.00814**	**10.274**	W **10.824**
Stddev	.00031	.00010	.119	.0659	.00041	.71	.0167	.00003	.029	.156
%RSD	.39391	.09668	.14802	.75611	.35503	.23031	.43198	.41936	.28614	1.4426
#1	.07889	.10075	80.661	8.7644	.11515	308.24	3.8430	.00816	10.295	10.714
#2	.07933	.10061	80.493	8.6712	.11458	309.24	3.8665	.00811	10.254	10.934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08344**	W **2.3804**	**.04472**	**23.859**	**.00177**	**.00020**	**2.5867**	**5.5356**	**.00504**	**1.1899**
Stddev	.00010	.0073	.00030	.003	.00065	.00192	.0242	.0518	.00027	.0044
%RSD	.11426	.30489	.66524	.01120	36.742	981.25	.93600	.93600	5.3600	.36717
#1	.08337	2.3753	.04451	23.857	.00223	.00155	2.6039	5.5723	.00485	1.1930
#2	.08351	2.3855	.04493	23.861	.00131	-.00116	2.5696	5.4990	.00523	1.1868
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01927**	**1.2947**	**-.00127**	F **-.11667**	**.12164**	**.36393**	**.06265**
Stddev	.00051	.0053	.00063	.02283	.00032	.00099	.00184
%RSD	2.6336	.41038	50.050	19.568	.26297	.27233	2.9361
#1	.01891	1.2909	-.00172	-.13281	.12187	.36323	.06135
#2	.01963	1.2984	-.00082	-.10053	.12141	.36463	.06395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8046.1**	**105910.**	**6987.5**
Stddev	16.4	101.	1.6
%RSD	.20399	.09512	.02361
#1	8034.5	105980.	6988.7
#2	8057.8	105840.	6986.3

Sample Name: 280-48860-a-1-a Acquired: 11/11/2013 22:26:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**96.991**	**.07410**	**.06845**	**.99877**	**.00242**	**-.02462**	**72.037**	**.00125**	**.04286**
Stddev	.00021	.013	.00041	.00024	.00068	.00002	.00243	.080	.00001	.00010
%RSD	34.423	.01332	.55138	.35105	.06767	.78566	9.8668	.11098	1.0677	.24277
#1	-.00075	96.982	.07439	.06828	.99925	.00243	-.02290	71.980	.00124	.04278
#2	-.00045	97.000	.07381	.06862	.99829	.00240	-.02634	72.093	.00126	.04293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29103**	**.07216**	**95.323**	**14.541**	**.03530**	**52.840**	**1.7479**	**.00129**	**6.5792**	**.41482**
Stddev	.00029	.00068	.524	.035	.00066	.016	.0004	.00004	.0129	.00109
%RSD	.10124	.93744	.54979	.23880	1.8649	.03043	.02112	2.7758	.19615	.26299
#1	.29082	.07168	95.694	14.565	.03576	52.851	1.7477	.00132	6.5700	.41405
#2	.29124	.07264	94.953	14.516	.03483	52.828	1.7482	.00127	6.5883	.41559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6035**	**.08416**	**.62356**	**-.00387**	**-.00145**	**3.2553**	**6.9663**	**.00777**	**.52306**	**.02723**
Stddev	.0038	.00037	.00125	.00294	.00043	.0886	.1895	.00038	.00059	.00258
%RSD	.10539	.44136	.20104	75.915	29.857	2.7203	2.7203	4.8893	.11275	9.4634
#1	3.6009	.08389	.62268	-.00595	-.00114	3.3179	7.1003	.00804	.52264	.02541
#2	3.6062	.08442	.62445	-.00179	-.00175	3.1927	6.8323	.00750	.52347	.02905
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8238**	**-.00279**	F **-.12426**	**.27261**	**.18661**	**.02402**
Stddev	.0043	.00020	.01748	.00086	.00035	.00250
%RSD	.23876	7.1535	14.071	.31657	.18664	10.399
#1	1.8208	-.00265	-.13662	.27322	.18685	.02226
#2	1.8269	-.00293	-.11189	.27200	.18636	.02579
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8823.9**	**116970.**	**7276.2**
Stddev	6.7	200.	25.7
%RSD	.07622	.17117	.35296
#1	8819.1	116830.	7294.4
#2	8828.7	117120.	7258.1

Sample Name: 280-48860-a-2-a Acquired: 11/11/2013 22:28:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**171.29**	**.15803**	**.10524**	**1.4848**	**.00220**	W **-.08427**	W **758.53**	**.00299**	**.18880**
Stddev	.00044	1.16	.00577	.00006	.0054	.00011	.00899	16.61	.00028	.00037
%RSD	116.67	.67866	3.6518	.05776	.36205	4.9672	10.665	2.1893	9.5260	.19643
#1	-.00069	172.11	.16211	.10529	1.4886	.00212	-.09063	770.27	.00319	.18907
#2	-.00007	170.47	.15394	.10520	1.4810	.00228	-.07792	746.79	.00279	.18854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.05000	500.00		
Low Limit							-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5760**	**.27152**	**290.27**	**13.606**	**.20379**	**202.42**	**5.3044**	**.00623**	**1.7788**	**1.9062**
Stddev	.0029	.00048	1.05	.079	.00031	1.14	.0325	.00012	.0120	.0033
%RSD	.18518	.17664	.36099	.57726	.15244	.56363	.61174	1.9464	.67410	.17500
#1	1.5739	.27186	291.01	13.661	.20401	203.22	5.2815	.00614	1.7873	1.9038
#2	1.5780	.27118	289.53	13.550	.20357	201.61	5.3274	.00631	1.7703	1.9085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4302**	**.08670**	**3.8600**	**.01932**	**-.00323**	**1.8665**	**3.9943**	**.02848**	**.97034**	**.02262**
Stddev	.0109	.00143	.0089	.00032	.00266	.0286	.0613	.00032	.00396	.00091
%RSD	.24552	1.6448	.23000	1.6704	82.256	1.5348	1.5348	1.1327	.40784	4.0266
#1	4.4225	.08771	3.8537	.01955	-.00135	1.8867	4.0376	.02825	.97314	.02326
#2	4.4379	.08569	3.8663	.01909	-.00511	1.8462	3.9509	.02871	.96754	.02198
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.373**	**-.00265**	F **-.11707**	**.70890**	**.79986**	**.12965**
Stddev	.130	.00061	.01323	.00011	.00222	.00313
%RSD	.90448	22.839	11.297	.01600	.27757	2.4171
#1	14.281	-.00308	-.12642	.70882	.80143	.13186
#2	14.465	-.00223	-.10772	.70898	.79829	.12743
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8255.1**	**108910.**	**7282.7**
Stddev	5.0	301.	62.2
%RSD	.06076	.27600	.85365
#1	8258.7	108690.	7238.7
#2	8251.6	109120.	7326.7

Sample Name: 280-48860-a-3-a Acquired: 11/11/2013 22:30:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**72.760**	**.04591**	**.04664**	**.49281**	**.00095**	**-.03272**	**38.329**	**.00154**	**.05543**
Stddev	.00037	.188	.00042	.00025	.00063	.00007	.00146	.126	.00004	.00042
%RSD	44.257	.25782	.91236	.53210	.12717	6.9413	4.4640	.32755	2.4252	.75681
#1	.00109	72.627	.04561	.04681	.49237	.00100	-.03168	38.240	.00151	.05514
#2	.00057	72.893	.04620	.04646	.49326	.00090	-.03375	38.418	.00157	.05573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51940**	**.20137**	**94.744**	**14.127**	**.04732**	**43.950**	**1.3299**	**.01131**	**6.3547**	**.42986**
Stddev	.00011	.00037	.270	.012	.00203	.194	.0049	.00014	.0106	.00388
%RSD	.02049	.18575	.28475	.08607	4.2954	.44084	.37175	1.2527	.16656	.90194
#1	.51948	.20111	94.553	14.118	.04876	44.087	1.3334	.01142	6.3472	.42712
#2	.51933	.20164	94.934	14.135	.04589	43.813	1.3264	.01121	6.3622	.43261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6034**	**.25936**	**32.275**	**-.00011**	**.00342**	**.97256**	**2.0813**	**.01104**	**.24902**	**.01389**
Stddev	.0092	.00102	.043	.00104	.00380	.01522	.0326	.00021	.00008	.00106
%RSD	.25673	.39456	.13319	939.08	111.04	1.5654	1.5654	1.9054	.03378	7.6659
#1	3.5968	.25864	32.306	.00062	.00611	.96179	2.0582	.01119	.24896	.01464
#2	3.6099	.26008	32.245	-.00085	.00074	.98332	2.1043	.01089	.24908	.01314
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4350**	**-.00097**	W **-.06147**	**.35560**	**.61147**	**.02148**
Stddev	.0095	.00076	.02551	.00110	.00214	.00003
%RSD	.21320	78.552	41.492	.31025	.34964	.14132
#1	4.4416	-.00151	-.04344	.35638	.61299	.02145
#2	4.4283	-.00043	-.07951	.35482	.60996	.02150
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8608.3**	**115190.**	**7190.4**
Stddev	3.3	1169.	59.3
%RSD	.03833	1.0147	.82452
#1	8610.7	114360.	7232.3
#2	8606.0	116010.	7148.5

Sample Name: 280-48860-a-4-a Acquired: 11/11/2013 22:33:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.79940**	**.01470**	**.01693**	**.08985**	**-.00002**	**.00175**	**28.376**	**.00129**	**.00394**
Stddev	.00019	.00431	.00125	.00008	.00023	.00000	.00252	.080	.00002	.00007
%RSD	16.334	.53959	8.5210	.49203	.25597	8.2031	144.57	.28259	1.1863	1.8610
#1	.00131	.80245	.01558	.01699	.09001	-.00002	.00353	28.319	.00127	.00389
#2	.00104	.79635	.01381	.01687	.08969	-.00002	-.00004	28.432	.00130	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02084**	**.01868**	**1.6385**	**1.1784**	**.00135**	**2.0017**	**.08098**	**.00123**	**.51749**	**.04516**
Stddev	.00005	.00025	.0153	.0507	.00073	.0086	.00014	.00004	.01588	.00035
%RSD	.22230	1.3451	.93307	4.3016	53.886	.42886	.16878	2.9322	3.0681	.78089
#1	.02087	.01886	1.6494	1.1426	.00186	1.9956	.08088	.00126	.52872	.04491
#2	.02080	.01850	1.6277	1.2143	.00084	2.0077	.08107	.00121	.50627	.04541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79980**	**.29155**	**4.0789**	**.00435**	**.01497**	**.51955**	**1.1118**	**.00848**	**.09352**	**.00161**
Stddev	.00938	.00082	.0036	.00333	.00435	.00091	.0020	.00014	.00008	.00131
%RSD	1.1728	.28280	.08913	76.498	29.043	.17594	.17594	1.7065	.08693	81.540
#1	.80643	.29213	4.0763	.00200	.01804	.51891	1.1105	.00858	.09346	.00068
#2	.79316	.29097	4.0815	.00670	.01190	.52020	1.1132	.00838	.09358	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03683**	**-.00029**	**-.01468**	**.01888**	**6.4754**	**.00329**
Stddev	.00011	.00013	.02536	.00005	.0305	.00170
%RSD	.29708	43.500	172.75	.27816	.47161	51.756
#1	.03690	-.00038	-.03261	.01891	6.4538	.00209
#2	.03675	-.00020	.00325	.01884	6.4970	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8678.8**	**118280.**	**7160.3**
Stddev	7.7	414.	72.1
%RSD	.08896	.35020	1.0073
#1	8684.2	118570.	7211.3
#2	8673.3	117990.	7109.3

Sample Name: 280-48860-a-5-a Acquired: 11/11/2013 22:35:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**74.345**	**.05902**	**.05686**	**.74480**	**.00139**	**-.02763**	**120.04**	**.00231**	**.04942**
Stddev	.00004	.064	.00011	.00067	.00124	.00002	.00118	.18	.00016	.00014
%RSD	13.740	.08590	.17965	1.1703	.16647	1.7727	4.2748	.14862	6.7813	.28800
#1	.00036	74.390	.05895	.05639	.74568	.00140	-.02847	120.16	.00242	.04932
#2	.00029	74.299	.05910	.05733	.74392	.00137	-.02680	119.91	.00220	.04952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30505**	**.10051**	**90.720**	**12.302**	**.04681**	**49.083**	**1.6055**	**.00345**	**4.0110**	**.43310**
Stddev	.00148	.00020	.169	.034	.00087	.037	.0003	.00026	.0126	.00039
%RSD	.48378	.20333	.18601	.28028	1.8522	.07507	.01897	7.5794	.31435	.09085
#1	.30401	.10036	90.840	12.327	.04620	49.110	1.6058	.00364	4.0199	.43282
#2	.30610	.10065	90.601	12.278	.04743	49.057	1.6053	.00327	4.0021	.43337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7749**	**.34069**	**6.1060**	**.00274**	**.00514**	**1.4243**	**3.0481**	**.01073**	**.39249**	**.01421**
Stddev	.0132	.00021	.0073	.00084	.00065	.0159	.0341	.00036	.00026	.00046
%RSD	.47726	.06181	.11970	30.620	12.562	1.1173	1.1173	3.3094	.06646	3.2674
#1	2.7655	.34054	6.1008	.00334	.00468	1.4356	3.0722	.01048	.39267	.01453
#2	2.7842	.34084	6.1112	.00215	.00559	1.4131	3.0240	.01098	.39230	.01388
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4655**	**-.00097**	W **-.06135**	**.26746**	**1.9910**	**.03487**
Stddev	.0045	.00019	.01931	.00083	.0082	.00076
%RSD	.12987	19.451	31.475	.30917	.41386	2.1839
#1	3.4686	-.00111	-.04770	.26805	1.9969	.03433
#2	3.4623	-.00084	-.07500	.26688	1.9852	.03541
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8775.8**	**117350.**	**7493.4**
Stddev	13.0	293.	39.1
%RSD	.14788	.24961	.52146
#1	8785.0	117140.	7521.0
#2	8766.6	117550.	7465.8

Sample Name: 550-13801-d-1-a Acquired: 11/11/2013 22:37:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**8.1945**	**.03257**	**.07560**	**.56735**	**.00015**	F **.11014**	**41.145**	**.00322**	**.00377**
Stddev	.00009	.0229	.00211	.00053	.00310	.00009	.00095	.008	.00009	.00006
%RSD	.54584	.27981	6.4874	.70752	.54699	56.331	.86193	.01991	2.7718	1.7209
#1	.01704	8.2107	.03107	.07598	.56955	.00021	.10947	41.151	.00328	.00372
#2	.01691	8.1782	.03406	.07522	.56516	.00009	.11082	41.139	.00315	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09045**	**.95583**	**11.732**	**2.1396**	**.00504**	**6.2239**	**.41166**	**.01889**	**1.1704**	**.02722**
Stddev	.00060	.00193	.002	.0661	.00083	.0084	.00060	.00020	.0005	.00000
%RSD	.65861	.20233	.01323	3.0887	16.525	.13510	.14460	1.0567	.03948	.01041
#1	.09087	.95720	11.731	2.0929	.00445	6.2299	.41209	.01903	1.1701	.02722
#2	.09003	.95446	11.733	2.1864	.00563	6.2180	.41124	.01874	1.1707	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **27.571**	**.04251**	**16.688**	**.00002**	**.01349**	**1.6844**	**3.6046**	**.06231**	**.33276**	**.00124**
Stddev	.044	.00057	.041	.00079	.00106	.0138	.0295	.00003	.00158	.00005
%RSD	.16031	1.3344	.24280	4748.1	7.8339	.81696	.81696	.05132	.47368	3.8185
#1	27.540	.04291	16.659	-.00054	.01274	1.6941	3.6255	.06229	.33387	.00127
#2	27.602	.04211	16.717	.00058	.01423	1.6747	3.5838	.06234	.33164	.00121
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13893**	**-.00158**	**.01317**	**.09622**	**1.6138**	**.01454**
Stddev	.00018	.00022	.01634	.00060	.0025	.00288
%RSD	.13288	13.820	124.09	.62260	.15247	19.782
#1	.13880	-.00142	.02473	.09664	1.6155	.01251
#2	.13906	-.00173	.00161	.09579	1.6121	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8663.1**	**117360.**	**7162.2**
Stddev	11.4	245.	67.1
%RSD	.13150	.20839	.93677
#1	8655.1	117530.	7114.8
#2	8671.2	117190.	7209.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 22:39:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**51.304**	**.00322**	**.00023**	**-.00012**	**-.00004**	W **1.1047**	**.08139**	**-.00024**	**-.00012**	**.00012**	**.01279**
Stddev	.00028	.140	.00235	.00020	.00025	.00005	.0068	.00199	.00006	.00016	.00016	.00001
%RSD	3.5303	.27245	73.025	86.307	209.49	125.86	.61292	2.4414	23.326	134.22	127.86	.07266
#1	.00773	51.205	.00156	.00037	.00006	.00000	1.1095	.08280	-.00028	-.00001	.00001	.01280
#2	.00813	51.403	.00489	.00009	-.00029	-.00007	1.0999	.07999	-.00020	-.00024	.00023	.01279
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.320**	**-.05815**	**-.00087**	**.10094**	**.00128**	**-.00006**	**265.91**	**-.00004**	**.00284**	**.00017**	W **5.3080**	**-.00030**
Stddev	.447	.03373	.00106	.00374	.00002	.00013	1.17	.00006	.00100	.00015	.0221	.00051
%RSD	.88897	58.004	121.41	3.7023	1.9178	216.52	.43949	146.44	35.294	89.193	.41707	172.12
#1	50.636	-.08200	-.00162	.10358	.00129	.00003	265.08	.00000	.00213	.00028	5.3237	-.00066
#2	50.003	-.03430	-.00012	.09830	.00126	-.00016	266.74	-.00008	.00354	.00006	5.2924	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00485**	**.03541**	**.07578**	**.00019**	**.00039**	**5.0105**	**-.01176**	**.00025**	F **6.3696**	**.00116**	**.00177**	**.06116**
Stddev	.00053	.00253	.00542	.00055	.00000	.0001	.00011	.00156	.0002	.00010	.00020	.00333
%RSD	10.883	7.1515	7.1515	293.20	.37456	.00173	.93084	616.04	.00283	8.6897	11.290	5.4369
#1	-.00522	.03720	.07961	.00057	.00039	5.0105	-.01184	.00136	6.3697	.00123	.00191	.06351
#2	-.00447	.03362	.07195	-.00020	.00038	5.0104	-.01168	-.00085	6.3694	.00108	.00163	.05881
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8327.0**	**110990.**	**6872.5**
Stddev	15.4	106.	42.1
%RSD	.18438	.09520	.61200
#1	8316.1	111070.	6902.2
#2	8337.8	110920.	6842.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 22:42:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52332**	F **.58074**	**1.0425**	**.52660**	**.51674**	**.50286**	**-.00460**	**5.2618**	**.52621**	**.52105**	**.52418**	**.52992**	**2.5472**
Stddev	.00018	.00183	.0042	.00076	.00225	.00331	.00342	.0581	.00075	.00091	.00145	.00057	.0046
%RSD	.03366	.31457	.40610	.14483	.43566	.65919	74.201	1.1034	.14311	.17490	.27596	.10830	.18260
#1	.52344	.58203	1.0395	.52606	.51833	.50520	-.00702	5.2207	.52568	.52041	.52316	.53033	2.5439
#2	.52319	.57945	1.0455	.52714	.51515	.50052	-.00219	5.3028	.52674	.52170	.52521	.52952	2.5505
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.528**	**1.0199**	**20.597**	**.51111**	**.52880**	**5.2239**	**.52711**	**1.0549**	**1.0631**	**.03936**	**1.0590**	**1.0598**	**5.0364**
Stddev	.209	.0046	.070	.00045	.00424	.0243	.00110	.0057	.0065	.00097	.0004	.0003	.0069
%RSD	.39807	.45014	.33832	.08808	.80183	.46475	.20869	.53879	.61399	2.4767	.03879	.03157	.13730
#1	52.676	1.0232	20.646	.51143	.52580	5.2411	.52633	1.0509	1.0585	.03868	1.0587	1.0601	5.0413
#2	52.380	1.0167	20.548	.51079	.53179	5.2067	.52789	1.0589	1.0677	.04005	1.0593	1.0596	5.0315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.778**	**1.0635**	**.51333**	**-.00356**	**.50804**	**1.0777**	**.01208**	**.51390**	**.51713**	**.51303**
Stddev	.015	.0014	.00211	.00077	.00036	.0012	.00117	.00075	.00115	.00317
%RSD	.13730	.13265	.41011	21.626	.07061	.11190	9.6572	.14510	.22277	.61829
#1	10.788	1.0645	.51482	-.00301	.50830	1.0769	.01125	.51337	.51794	.51079
#2	10.767	1.0625	.51185	-.00410	.50779	1.0786	.01290	.51442	.51631	.51528
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.5**	**114020.**	**6915.7**
Stddev	17.6	309.	25.6
%RSD	.20760	.27108	.37019
#1	8488.0	113800.	6933.8
#2	8463.1	114240.	6897.6

Sample Name: CCB Acquired: 11/11/2013 22:44:14 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00689**	**.00104**	**-.00054**	**.00002**	**.00005**	**.00137**	F **.10306**	**.00000**	**.00023**	**.00015**	**.00030**
Stddev	.00005	.00374	.00077	.00036	.00001	.00009	.00086	.00523	.0001	.00006	.00018	.00004
%RSD	7.5129	54.207	74.049	66.329	29.018	180.38	62.477	5.0731	715740.	27.630	119.63	14.709
#1	.00069	.00953	.00050	-.00029	.00003	.00011	.00198	.10676	.00009	.00019	.00027	.00027
#2	.00062	.00425	.00158	-.00079	.00002	-.00001	.00076	.09936	-.00009	.00028	.00002	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.06900				
Low Limit								-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.03384**	**.03869**	**-.00038**	F **.02716**	F **.00057**	**.00038**	**-.03430**	**.00058**	**-.00251**	**-.00069**	**.04176**	W **.00617**
Stddev	.00159	.00531	.00235	.00543	.00010	.00003	.00899	.00009	.00053	.00013	.00122	.00161
%RSD	4.7116	13.721	624.31	20.008	17.228	8.1766	26.197	15.128	21.175	18.893	2.9200	26.034
#1	.03497	.04244	-.00204	.03100	.00064	.00036	-.02794	.00052	-.00213	-.00060	.04262	.00503
#2	.03272	.03493	.00129	.02331	.00050	.00040	-.04065	.00064	-.00288	-.00078	.04090	.00731
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.03000			.02140	.00050							.00314
Low Limit	-.03000			-.02140	-.00050							-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00869**	**.01860**	**.00020**	**.00030**	**-.00081**	**.00035**	**-.00019**	**.02885**	**.00030**	**.00348**	W **.00457**
Stddev	.00016	.01477	.03160	.00008	.00004	.00111	.00022	.00050	.02840	.00037	.00008	.00044
%RSD	26.626	169.89	169.89	41.968	14.333	137.35	63.156	268.41	98.451	123.08	2.3096	9.5828
#1	.00047	.01913	.04095	.00026	.00033	-.00002	.00019	.00017	.00877	.00056	.00354	.00426
#2	.00069	-.00175	-.00374	.00014	.00027	-.00160	.00050	-.00054	.04894	.00004	.00342	.00488
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8479.0**	**114770.**	**6742.1**
Stddev	23.4	219.	7.8
%RSD	.27570	.19039	.11532
#1	8462.4	114610.	6747.6
#2	8495.5	114920.	6736.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 22:46:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.11608**	**.01694**	**.10323**	**.01019**	**.00096**	F **.13015**	**.23174**	**.00537**	**.01132**	**.01090**	**.01679**	**.10917**
Stddev	.00011	.00029	.00258	.00017	.00002	.00006	.00153	.00535	.00026	.00001	.00016	.00031	.00317
%RSD	1.0551	.25226	15.229	.16103	.15570	6.3851	1.1761	2.3091	4.8785	.11900	1.4400	1.8506	2.9028
#1	.01094	.11628	.01512	.10311	.01018	.00092	.12907	.22795	.00556	.01132	.01101	.01657	.11141
#2	.01077	.11587	.01877	.10335	.01020	.00101	.13123	.23552	.00519	.01131	.01079	.01701	.10693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2032**	**.00944**	**.22436**	**.01072**	**.02110**	**1.0590**	**.04484**	**3.0885**	**.00938**	**.03311**	**.01039**	**.01715**	**.51904**
Stddev	.0088	.00018	.00360	.00008	.00003	.0076	.00027	.0030	.00028	.00184	.00169	.00177	.00959
%RSD	.27487	1.9063	1.6049	.78447	.16329	.71470	.59572	.09761	2.9899	5.5716	16.292	10.296	1.8471
#1	3.1970	.00957	.22181	.01066	.02107	1.0537	.04503	3.0864	.00918	.03441	.01159	.01840	.52582
#2	3.2095	.00932	.22691	.01078	.02112	1.0644	.04465	3.0907	.00958	.03180	.00920	.01590	.51226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1107**	**.10946**	**.01083**	**.01546**	**.00974**	**.01635**	F **.07872**	**.01058**	**.02415**	**.01694**
Stddev	.0205	.00023	.00009	.00047	.00023	.00140	.01106	.00015	.00016	.00252
%RSD	1.8471	.20828	.86565	3.0258	2.3510	8.5856	14.053	1.4061	.68137	14.872
#1	1.1253	.10930	.01076	.01579	.00957	.01536	.08655	.01069	.02427	.01516
#2	1.0962	.10962	.01089	.01513	.00990	.01735	.07090	.01048	.02404	.01872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8615.0**	**116530.**	**6790.9**
Stddev	37.0	108.	29.8
%RSD	.42941	.09270	.43818
#1	8641.2	116460.	6769.9
#2	8588.8	116610.	6812.0

Sample Name: mb 280-200045/1-a Acquired: 11/11/2013 22:48:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.02360**	**.00000**	**.00000**	**-.00030**	**-.00003**	**-.00111**	**.01844**	**-.00009**	**.00008**
Stddev	.00016	.00019	.00089	.00016	.00017	.00003	.00108	.00081	.00026	.00010
%RSD	29.181	.82082	76634.	186770.	56.326	114.43	97.050	4.3768	282.84	122.31
#1	.00043	.02373	-.00063	.00011	-.00043	-.00005	-.00035	.01901	-.00027	.00001
#2	.00065	.02346	.00063	-.00011	-.00018	-.00001	-.00187	.01787	.00009	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00071**	**.00631**	**-.02926**	**-.00138**	**.00413**	**.00043**	**-.00004**	**-.05260**	**.00054**
Stddev	.00006	.00013	.00103	.03860	.00296	.00069	.00006	.00040	.00910	.00013
%RSD	76.266	18.588	16.373	131.92	214.26	16.787	14.458	1131.8	17.303	24.146
#1	.00012	.00080	.00704	-.00197	.00071	.00462	.00047	.00025	-.04617	.00044
#2	.00004	.00061	.00558	-.05656	-.00347	.00364	.00038	-.00032	-.05904	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00372**	**-.00097**	**.03695**	**-.00058**	**-.00164**	**.02582**	**.05526**	**.00051**	**.00015**	**-.00121**
Stddev	.00084	.00029	.00023	.00104	.00066	.02317	.04959	.00020	.00001	.00152
%RSD	22.424	29.944	.62140	179.12	40.210	89.745	89.745	40.198	3.4933	125.58
#1	-.00432	-.00118	.03711	.00015	-.00118	.00943	.02019	.00036	.00015	-.00229
#2	-.00313	-.00077	.03678	-.00132	-.00211	.04221	.09032	.00065	.00016	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00056**	**.01509**	**.00052**	**.00362**	**.00260**
Stddev	.00012	.00110	.03699	.00020	.00021	.00228
%RSD	29.402	198.33	245.07	38.802	5.7263	87.650
#1	-.00033	-.00134	.04125	.00066	.00347	.00420
#2	-.00050	.00022	-.01106	.00037	.00376	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8566.3**	**115690.**	**6770.2**
Stddev	6.3	1232.	25.6
%RSD	.07368	1.0646	.37845
#1	8570.8	116560.	6752.1
#2	8561.9	114820.	6788.4

Sample Name: lcs 280-200045/2-a Acquired: 11/11/2013 22:51:06 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05071	2.0083	1.0092	1.0250	2.0298	.04929	2.2978	48.740	.10736	.49352
Stddev	.00052	.0046	.0057	.0007	.0019	.00036	.0107	.111	.00064	.00020
%RSD	1.0248	.23159	.56225	.07123	.09588	.72322	.46719	.22726	.60077	.04020
#1	.05034	2.0050	1.0052	1.0245	2.0284	.04904	2.2902	48.662	.10690	.49338
#2	.05108	2.0116	1.0132	1.0256	2.0311	.04954	2.3053	48.818	.10782	.49366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20385	.26047	.97958	51.664	1.0002	49.680	.49264	1.0304	54.257	.50025
Stddev	.00062	.00015	.00006	.003	.0052	.036	.00015	.0027	.229	.00042
%RSD	.30550	.05921	.00623	.00534	.52027	.07289	.03122	.26299	.42188	.08379
#1	.20341	.26036	.97954	51.662	.99654	49.655	.49253	1.0285	54.096	.49995
#2	.20429	.26058	.97962	51.666	1.0039	49.706	.49275	1.0323	54.419	.50054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.313	.49531	2.1117	.49453	2.0090	9.9819	21.361	2.0303	1.0073	.99939
Stddev	.020	.00123	.0066	.00319	.0001	.0382	.082	.0061	.0002	.00359
%RSD	.19775	.24805	.31444	.64498	.00514	.38321	.38321	.30052	.02399	.35877
#1	10.298	.49444	2.1070	.49228	2.0091	9.9548	21.303	2.0260	1.0072	.99685
#2	10.327	.49618	2.1164	.49679	2.0089	10.009	21.419	2.0346	1.0075	1.0019
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99975	1.9640	2.1673	.50658	.49907	.52266
Stddev	.00080	.0041	.0073	.00022	.00172	.00173
%RSD	.08015	.21045	.33918	.04341	.34465	.33124
#1	1.0003	1.9611	2.1725	.50642	.49785	.52388
#2	.99918	1.9669	2.1621	.50673	.50029	.52143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8244.0	110020.	6867.6
Stddev	2.2	117.	37.8
%RSD	.02618	.10604	.54978
#1	8245.5	110100.	6894.3
#2	8242.5	109940.	6840.9

Sample Name: lcsd 280-200045/3-a Acquired: 11/11/2013 22:53:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05176**	**2.0504**	**1.0303**	**1.0433**	**2.0805**	**.04983**	**2.3387**	**50.047**	**.10892**	**.50447**
Stddev	.00022	.0006	.0060	.0016	.0018	.00034	.0023	.169	.00019	.00117
%RSD	.42521	.03068	.58314	.15013	.08735	.68714	.09928	.33725	.17160	.23228
#1	.05192	2.0500	1.0261	1.0421	2.0792	.04959	2.3403	49.928	.10878	.50364
#2	.05160	2.0509	1.0346	1.0444	2.0818	.05007	2.3370	50.167	.10905	.50529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20976**	**.26535**	**.99638**	**53.072**	**1.0260**	**50.791**	**.50399**	**1.0633**	**55.012**	**.51177**
Stddev	.00014	.00020	.00813	.047	.0026	.022	.00069	.0001	.351	.00019
%RSD	.06508	.07615	.81552	.08936	.25062	.04304	.13715	.01091	.63860	.03679
#1	.20986	.26520	.99064	53.038	1.0242	50.807	.50350	1.0634	54.764	.51191
#2	.20967	.26549	1.0021	53.105	1.0279	50.776	.50448	1.0633	55.260	.51164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.487**	**.50632**	**2.1578**	**.50602**	**2.0336**	**10.168**	**21.759**	**2.0858**	**1.0329**	**1.0253**
Stddev	.032	.00060	.0055	.00248	.0005	.053	.113	.0010	.0006	.0043
%RSD	.30420	.11877	.25390	.49083	.02547	.51852	.51852	.04959	.06330	.42270
#1	10.465	.50590	2.1539	.50427	2.0340	10.130	21.679	2.0851	1.0324	1.0222
#2	10.510	.50675	2.1616	.50778	2.0333	10.205	21.839	2.0865	1.0333	1.0284
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0268**	**1.9974**	**2.1960**	**.51865**	**.50785**	**.53018**
Stddev	.0011	.0019	.0069	.00040	.00214	.00064
%RSD	.10558	.09453	.31592	.07798	.42180	.11988
#1	1.0260	1.9987	2.1911	.51837	.50937	.52973
#2	1.0275	1.9960	2.2009	.51894	.50634	.53063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.1**	**108950.**	**6693.3**
Stddev	23.2	81.	41.7
%RSD	.28567	.07421	.62275
#1	8152.6	109010.	6722.8
#2	8119.7	108890.	6663.9

Sample Name: 280-48797-b-1-c Acquired: 11/11/2013 22:55:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00379**	**.00370**	**.19945**	**.03501**	**.00001**	**-.00040**	**40.504**	**.00040**	**.00141**
Stddev	.00003	.00034	.00057	.00051	.00004	.00005	.00132	.025	.00019	.00017
%RSD	4.9971	9.0379	15.440	.25357	.10441	348.67	325.97	.06143	47.576	11.970
#1	.00066	.00403	.00411	.19981	.03504	.00005	.00053	40.487	.00027	.00152
#2	.00071	.00355	.00330	.19909	.03499	-.00002	-.00133	40.522	.00054	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.02030**	**.17592**	**5.6645**	**.05223**	**22.934**	**.26311**	**.00587**	**193.94**	**.01573**
Stddev	.00013	.00003	.00001	.0615	.00075	.006	.00027	.00014	.22	.00034
%RSD	22.642	.13191	.00464	1.0860	1.4411	.02428	.10165	2.4344	.11462	2.1534
#1	.00048	.02028	.17592	5.6210	.05169	22.930	.26293	.00577	193.78	.01597
#2	.00067	.02031	.17591	5.7080	.05276	22.938	.26330	.00597	194.10	.01549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01905**	**-.00090**	**121.96**	**.00123**	**-.00133**	**1.7839**	**3.8176**	**.00153**	**1.2536**	**-.00107**
Stddev	.00213	.00009	.17	.00029	.00265	.0019	.0041	.00034	.0009	.00202
%RSD	11.164	10.159	.14246	23.579	199.62	.10782	.10782	22.015	.07443	188.84
#1	.01754	-.00084	122.08	.00103	-.00321	1.7826	3.8147	.00177	1.2529	.00036
#2	.02055	-.00097	121.84	.00144	.00055	1.7853	3.8205	.00129	1.2542	-.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00049**	**.01739**	**.00054**	**.28750**	**.00522**
Stddev	.00004	.00111	.00486	.00005	.00076	.00132
%RSD	33.559	227.15	27.954	8.3424	.26398	25.211
#1	-.00008	-.00030	.02083	.00057	.28804	.00429
#2	-.00013	.00127	.01395	.00051	.28697	.00615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7910.0**	**106310.**	**6706.8**
Stddev	13.3	427.	37.3
%RSD	.16811	.40170	.55630
#1	7919.4	106610.	6680.4
#2	7900.6	106000.	6733.2

Sample Name: 280-48797-b-2-c Acquired: 11/11/2013 22:57:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00059**	**.00140**	**.51490**	**.33624**	**.00001**	**-.00027**	**51.596**	**.00021**	**-.00018**
Stddev	.00060	.00062	.00349	.00246	.00048	.00001	.00299	.201	.00000	.00018
%RSD	208.52	104.31	248.68	.47695	.14265	114.03	1103.0	.38975	2.1198	100.12
#1	-.00071	-.00016	-.00106	.51664	.33590	.00002	-.00239	51.454	.00021	-.00005
#2	.00014	-.00103	.00387	.51316	.33657	.00000	.00184	51.738	.00021	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00433**	**.09295**	W **157.19**	**.79667**	**10.484**	**.02773**	**.00283**	RW **1618.2**	**.00034**
Stddev	.00004	.00058	.00020	.61	.00007	.056	.00003	.00008	4.8	.00042
%RSD	83.279	13.313	.22011	.39098	.00880	.53789	.09244	3.0019	.29399	122.76
#1	.00002	.00474	.09280	156.75	.79662	10.524	.02775	.00289	1614.8	.00064
#2	.00007	.00392	.09309	157.62	.79672	10.444	.02771	.00277	1621.6	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9841**	**-.00029**	**8.3570**	**.00030**	**.00022**	**6.7602**	**14.467**	**-.00010**	W **5.0131**	**-.00113**
Stddev	.0167	.00100	.0469	.00121	.00279	.0180	.039	.00022	.0136	.00030
%RSD	.55943	344.00	.56091	396.86	1279.7	.26677	.26677	217.00	.27074	26.823
#1	2.9959	.00042	8.3901	-.00055	.00219	6.7729	14.494	.00005	5.0035	-.00091
#2	2.9723	-.00100	8.3238	.00116	-.00176	6.7474	14.439	-.00026	5.0227	-.00134
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00008**	**.00792**	**.00181**	**.00688**	**.00403**
Stddev	.00004	.00097	.01709	.00056	.00018	.00263
%RSD	7.3123	1256.5	215.75	30.994	2.6161	65.414
#1	-.00063	.00077	.02000	.00221	.00700	.00216
#2	-.00056	-.00061	-.00416	.00141	.00675	.00589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7436.9**	**94798.**	**6408.3**
Stddev	51.7	145.	13.5
%RSD	.69572	.15342	.21074
#1	7400.3	94695.	6417.8
#2	7473.5	94901.	6398.7

Sample Name: 280-48797-b-3-c Acquired: 11/11/2013 23:00:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00373	k .36491	k .00251	2.6459	k 2.1967	k .00005	k -.00314	98.437	k .00003	k .00030
Stddev	.01313	.01680	.00100	.0011	.0024	.00008	.01168	.433	.00010	.00020
%RSD	352.20	4.6051	39.735	.04316	.10869	179.06	371.99	.44017	289.55	68.022
#1	-.00556	.35303	.00322	2.6467	2.1950	-.00001	-.01140	98.131	.00010	.00044
#2	k .01301	k .37679	k .00181	2.6451	k 2.1984	k .00010	k .00512	98.744	k -.00003	k .00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .02554	k .02491	39.928	38.499	k 1.5366	k 16.655	k .53985	k .00774	RW 2551.1	k .00930
Stddev	.00030	.00457	.152	.343	.0004	.080	.00140	.00003	6.2	.00060
%RSD	1.1872	18.337	.38076	.89067	.02260	.48109	.26025	.42395	.24121	6.4039
#1	.02576	.02813	39.820	38.257	1.5363	16.599	.53886	.00772	2546.8	.00888
#2	k .02533	k .02168	40.035	38.742	k 1.5368	k 16.712	k .54084	k .00776	2555.5	k .00972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 1.6944	k .00626	k 33.531	k -.00060	k -.00427	k 10.371	k 22.195	k .00755	W 11.820	k .01295
Stddev	.0025	.00261	.036	.00259	.00177	.165	.352	.00025	.265	.06892
%RSD	.14504	41.719	.10682	428.46	41.405	1.5866	1.5866	3.3233	2.2401	532.11
#1	1.6927	.00441	33.557	.00123	-.00552	10.255	21.946	.00737	12.007	-.03578
#2	k 1.6962	k .00811	k 33.506	k -.00244	k -.00302	k 10.488	k 22.444	k .00773	11.633	k .06168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00538	k -.00168	k .05635	k .00503	k .17310	k 3.1009
Stddev	.00008	.00216	.03858	.00052	.00315	.0064
%RSD	1.4380	128.43	68.453	10.333	1.8171	.20538
#1	.00532	-.00321	.02908	.00540	.17087	3.0964
#2	k .00543	k -.00015	k .08363	k .00467	k .17532	k 3.1054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7246.5	93194.	6422.0
Stddev	6.3	390.	117.4
%RSD	.08671	.41802	1.8284
#1	7251.0	93469.	6505.0
#2	7242.1	92918.	6339.0

Sample Name: 280-48797-b-3-cSD@5 Acquired: 11/11/2013 23:03:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.07788**	**.00235**	**.55170**	**.43260**	**-.00003**	**-.00363**	**19.800**	**.00000**	**.00027**
Stddev	.00012	.00044	.00140	.00079	.00028	.00009	.00043	.013	.00000	.00002
%RSD	11.180	.56452	59.430	.14401	.06501	329.08	11.744	.06519	34.685	8.1955
#1	-.00111	.07819	.00136	.55114	.43280	.00004	-.00333	19.809	.00001	.00026
#2	-.00095	.07757	.00334	.55226	.43240	-.00009	-.00393	19.791	.00000	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00523**	**.00673**	**8.1798**	**7.2617**	**.30306**	**3.4196**	**.10705**	**.00137**	**498.81**	**.00226**
Stddev	.00003	.00059	.1183	.0040	.00271	.0040	.00012	.00001	1.47	.00010
%RSD	.60117	8.7274	1.4459	.05455	.89540	.11563	.11237	1.0267	.29413	4.5206
#1	.00525	.00714	8.2634	7.2645	.30497	3.4168	.10696	.00138	499.84	.00219
#2	.00520	.00631	8.0962	7.2589	.30114	3.4224	.10713	.00136	497.77	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32108**	**.00010**	**6.4120**	**.00011**	**-.00037**	**2.0399**	**4.3653**	**.00347**	**2.3471**	**-.00995**
Stddev	.00059	.00032	.0317	.00173	.00081	.0346	.0741	.00018	.0021	.00028
%RSD	.18221	337.88	.49480	1580.1	219.78	1.6969	1.6969	5.1564	.09052	2.8421
#1	.32067	.00033	6.3896	-.00111	-.00094	2.0643	4.4177	.00359	2.3486	-.01015
#2	.32150	-.00013	6.4344	.00133	.00020	2.0154	4.3129	.00334	2.3456	-.00975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00095**	**.01421**	**.00152**	**.03983**	**.61840**
Stddev	.00025	.00015	.00309	.00054	.00057	.00587
%RSD	73.509	16.157	21.731	35.450	1.4400	.94927
#1	.00052	.00105	.01203	.00190	.03942	.62255
#2	.00017	.00084	.01639	.00114	.04023	.61425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7798.5**	**101520.**	**6365.1**
Stddev	16.9	506.	21.5
%RSD	.21629	.49880	.33754
#1	7786.6	101880.	6349.9
#2	7810.5	101170.	6380.3

Sample Name: 280-48951-b-16-b Acquired: 11/11/2013 23:06:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00079**	**.00099**	**.00186**	**-.00007**	**-.00005**	**-.00155**	**.03293**	**-.00013**	**.00022**
Stddev	.00001	.00016	.00096	.00032	.00017	.00004	.00277	.00621	.00018	.00005
%RSD	1.3792	20.671	96.956	16.948	251.43	91.269	178.43	18.858	140.15	21.965
#1	.00094	.00091	.00031	.00208	-.00018	-.00008	.00041	.03732	.00000	.00025
#2	.00096	.00068	.00167	.00164	.00005	-.00002	-.00352	.02854	-.00026	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00042**	**.00649**	**.14853**	**-.00166**	**.00566**	**.00025**	**-.00011**	**.58587**	**.00051**
Stddev	.00011	.00035	.00307	.01175	.00122	.00127	.00002	.00016	.07330	.00038
%RSD	71.243	83.110	47.351	7.9110	73.678	22.389	7.3444	149.37	12.511	75.039
#1	.00023	.00017	.00866	.15684	-.00080	.00476	.00024	.00001	.63770	.00077
#2	.00008	.00067	.00431	.14023	-.00253	.00655	.00026	-.00022	.53404	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**-.00011**	**.04844**	**-.00028**	**-.00043**	**.00480**	**.01027**	**.00003**	**.00104**	**-.00016**
Stddev	.00084	.00065	.00207	.00157	.00294	.00866	.01854	.00024	.00007	.00090
%RSD	12.076	572.66	4.2784	559.40	683.28	180.41	180.41	888.01	7.0964	570.78
#1	.00758	.00035	.04697	.00083	.00165	-.00132	-.00283	.00020	.00109	-.00079
#2	.00639	-.00057	.04990	-.00139	-.00251	.01093	.02338	-.00014	.00099	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00054**	**.03791**	**-.00003**	**.00348**	**.00232**
Stddev	.00001	.00117	.03988	.00003	.00030	.00059
%RSD	2.4137	216.23	105.18	96.826	8.5816	25.314
#1	-.00031	-.00029	.06611	-.00005	.00369	.00274
#2	-.00030	.00137	.00971	-.00001	.00327	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8415.2**	**113920.**	**6527.2**
Stddev	7.1	618.	40.2
%RSD	.08466	.54214	.61528
#1	8420.2	114360.	6555.6
#2	8410.1	113490.	6498.8

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:08:22 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**51.503**	**.00458**	**.00251**	**-.00015**	**-.00010**	W **1.0677**	**.01739**	**-.00036**	**-.00007**	**.00006**	**.01227**
Stddev	.00024	.158	.00045	.00068	.00001	.00004	.0113	.00208	.00003	.00011	.00014	.00034
%RSD	3.3267	.30742	9.8054	26.948	7.2743	37.210	1.0619	11.943	9.7085	141.16	220.70	2.7413
#1	.00742	51.615	.00426	.00203	-.00014	-.00008	1.0597	.01885	-.00038	-.00015	.00016	.01203
#2	.00708	51.391	.00490	.00298	-.00016	-.00013	1.0757	.01592	-.00033	.00000	-.00004	.01250
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.436**	**.12961**	**-.00001**	**.08446**	**.00079**	**-.00027**	**265.99**	**.00002**	**-.00045**	**.00032**	**5.1161**	**.00024**
Stddev	.599	.04229	.00224	.00183	.00009	.00012	.82	.00008	.00041	.00049	.0619	.00438
%RSD	1.1873	32.631	27746.	2.1669	11.004	42.780	.30904	369.62	91.153	151.11	1.2092	1829.8
#1	50.859	.15952	.00158	.08575	.00073	-.00035	265.41	.00008	-.00016	.00066	5.0724	-.00286
#2	50.012	.09971	-.00159	.08317	.00085	-.00019	266.57	-.00003	-.00074	-.00002	5.1599	.00333
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00401**	**.01506**	**.03222**	**.00015**	**.00086**	**4.9618**	**-.01325**	**.00042**	F **6.2889**	**.00204**	**.00134**	**.06214**
Stddev	.00385	.01485	.03178	.00018	.00011	.0006	.00020	.00072	.0278	.00073	.00017	.00164
%RSD	95.990	98.614	98.614	118.74	12.235	.01256	1.5108	169.37	.44128	35.946	12.854	2.6461
#1	-.00129	.00456	.00975	.00002	.00094	4.9614	-.01311	.00093	6.2693	.00255	.00146	.06330
#2	-.00673	.02556	.05469	.00027	.00079	4.9623	-.01339	-.00008	6.3085	.00152	.00122	.06098
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8040.2**	**106390.**	**6367.2**
Stddev	47.2	205.	28.8
%RSD	.58707	.19249	.45170
#1	8073.6	106250.	6346.8
#2	8006.8	106540.	6387.5

Sample Name: CCV-2372889 Acquired: 11/11/2013 23:10:46 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50586**	**.54229**	**1.0062**	**.50651**	**.50563**	**.49159**	**-.00539**	**5.0894**	**.50808**	**.50785**	**.51102**	**.50871**	**2.4927**
Stddev	.00073	.00118	.0013	.00010	.00005	.00075	.00048	.0108	.00016	.00071	.00004	.00064	.0101
%RSD	.14388	.21758	.13328	.01891	.01073	.15173	8.8802	.21242	.03205	.14049	.00746	.12584	.40529
#1	.50638	.54313	1.0053	.50644	.50567	.49106	-.00573	5.0971	.50797	.50734	.51100	.50916	2.4998
#2	.50535	.54146	1.0072	.50657	.50559	.49212	-.00505	5.0818	.50820	.50835	.51105	.50826	2.4856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.031**	**1.0048**	**20.371**	**.50251**	**.51744**	**5.4490**	**.51481**	**1.0204**	**1.0413**	**.02217**	**1.0070**	**1.0198**	**4.9215**
Stddev	.051	.0024	.026	.00054	.00003	.0162	.00018	.0002	.0030	.00235	.0009	.0014	.0214
%RSD	.09800	.23726	.13006	.10840	.00633	.29666	.03426	.01962	.28462	10.622	.09019	.14150	.43500
#1	51.995	1.0065	20.352	.50290	.51742	5.4604	.51494	1.0205	1.0392	.02050	1.0077	1.0208	4.9367
#2	52.067	1.0032	20.390	.50213	.51747	5.4376	.51469	1.0202	1.0434	.02384	1.0064	1.0188	4.9064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.532**	**1.0334**	**.50310**	**-.00584**	**.49671**	**1.0377**	**.02795**	**.50644**	**.51924**	**.49902**
Stddev	.046	.0013	.00043	.00018	.00031	.0002	.00013	.00030	.00122	.00334
%RSD	.43500	.12947	.08515	3.0553	.06332	.02216	.45281	.05979	.23550	.66965
#1	10.565	1.0324	.50340	-.00572	.49694	1.0378	.02804	.50666	.52011	.49666
#2	10.500	1.0343	.50280	-.00597	.49649	1.0375	.02786	.50623	.51838	.50139
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8263.7**	**109230.**	**6434.3**
Stddev	6.7	325.	9.8
%RSD	.08119	.29754	.15245
#1	8258.9	109000.	6441.2
#2	8268.4	109460.	6427.4

Sample Name: CCB Acquired: 11/11/2013 23:12:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00110**	**.00084**	**.00101**	**.00018**	**.00021**	**.00091**	**.00658**	**.00005**	**.00019**	**.00006**	**-.00010**
Stddev	.00039	.00057	.00250	.00038	.00009	.00016	.00133	.00133	.00005	.00005	.00001	.00009
%RSD	97.108	51.484	299.00	37.701	49.544	74.916	146.89	20.234	92.494	27.269	9.2374	94.990
#1	.00067	-.00070	-.00093	.00128	.00012	.00033	.00184	.00752	.00008	.00023	.00006	-.00003
#2	.00012	-.00151	.00260	.00074	.00025	.00010	-.00003	.00564	.00002	.00015	.00006	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.06463**	**-.00244**	**.00422**	**.00015**	**.00024**	W **.15706**	**.00076**	**-.00178**	**-.00013**	**.02749**	F **.00707**
Stddev	.00207	.02893	.00046	.00169	.00001	.00023	.02618	.00050	.00022	.00063	.00132	.00112
%RSD	56.818	44.770	19.033	40.072	4.9122	94.203	16.669	65.071	12.462	490.72	4.7893	15.861
#1	.00510	.08509	-.00211	.00541	.00016	.00008	.13855	.00111	-.00193	-.00057	.02842	.00627
#2	.00218	.04417	-.00277	.00302	.00015	.00040	.17557	.00041	-.00162	.00032	.02656	.00786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.02051**	**.04388**	**.00067**	W **.00035**	**-.00136**	**-.00049**	**.00024**	**.02333**	**.00064**	**.00368**	**.00054**
Stddev	.00156	.00516	.01104	.00001	.00016	.00101	.00025	.00019	.01838	.00038	.00013	.00016
%RSD	48.863	25.151	25.151	1.7770	46.259	74.249	50.294	76.688	78.777	59.624	3.4316	29.390
#1	.00209	.02415	.05169	.00068	.00024	-.00207	-.00066	.00011	.01033	.00037	.00360	.00043
#2	.00429	.01686	.03608	.00066	.00046	-.00064	-.00032	.00038	.03632	.00091	.00377	.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8178.8**	**109880.**	**6307.7**
Stddev	24.4	407.	2.3
%RSD	.29801	.37022	.03695
#1	8161.5	109590.	6309.4
#2	8196.0	110170.	6306.1

Sample Name: CCVL2372865 Acquired: 11/11/2013 23:15:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01062**	**.10820**	**.01746**	**.09979**	**.01014**	**.00099**	**.12350**	**.21460**	**.00505**	**.01086**	**.01045**	**.01557**	**.10352**	**3.2117**
Stddev	.00017	.00041	.00037	.00011	.00053	.00008	.00119	.00340	.00018	.00005	.00022	.00010	.00334	.0863
%RSD	1.6174	.37930	2.1232	.11063	5.2407	8.0575	.96532	1.5849	3.6447	.43723	2.1308	.61751	3.2245	2.6885
#1	.01050	.10791	.01772	.09987	.01052	.00104	.12266	.21700	.00492	.01082	.01029	.01564	.10588	3.2728
#2	.01074	.10849	.01720	.09972	.00976	.00093	.12435	.21219	.00518	.01089	.01061	.01550	.10115	3.1507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00706**	**.21392**	**.01027**	**.02014**	**1.1823**	**.04280**	**2.9768**	**.00987**	**.02187**	**.01019**	**.01412**	**.49698**	**1.0635**	**.10501**
Stddev	.00250	.00178	.00007	.00040	.0085	.00026	.0034	.00160	.00233	.00171	.00106	.00637	.0136	.00113
%RSD	35.458	.82981	.67562	1.9674	.72026	.60508	.11337	16.194	10.678	16.811	7.5033	1.2825	1.2825	1.0749
#1	.00883	.21517	.01032	.01986	1.1763	.04261	2.9744	.00874	.02022	.01140	.01487	.50149	1.0732	.10421
#2	.00529	.21266	.01023	.02042	1.1883	.04298	2.9792	.01100	.02352	.00898	.01337	.49248	1.0539	.10581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.01364**	**.00933**	**.01728**	**.07754**	**.01008**	**.02369**	**.01732**
Stddev	.00004	.00103	.00046	.00031	.00772	.00035	.00045	.00298
%RSD	.36665	7.5492	4.9616	1.8063	9.9500	3.5198	1.9173	17.209
#1	.01041	.01436	.00966	.01706	.07208	.00983	.02401	.01521
#2	.01035	.01291	.00900	.01750	.08299	.01033	.02337	.01943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8436.5**	**112910.**	**6445.2**
Stddev	25.2	344.	41.3
%RSD	.29812	.30462	.64041
#1	8454.3	112660.	6416.0
#2	8418.7	113150.	6474.4

Sample Name: mb 280-199780/1-a Acquired: 11/11/2013 23:17:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00077**	**.00013**	**.00023**	**-.00044**	**-.00006**	**-.00195**	**.00908**	**-.00017**	**.00007**
Stddev	.00014	.00013	.00048	.00037	.00053	.00008	.00235	.00095	.00002	.00020
%RSD	19.263	17.478	378.92	163.02	120.45	148.11	120.45	10.441	13.019	292.12
#1	.00081	.00086	.00047	.00049	-.00007	.00000	-.00029	.00841	-.00019	.00021
#2	.00061	.00067	-.00021	-.00003	-.00082	-.00012	-.00361	.00975	-.00016	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00054**	**.00321**	**-.05233**	**-.00144**	**-.00151**	**.00012**	**-.00007**	**.06615**	**.00064**
Stddev	.00001	.00006	.00085	.02339	.00161	.00442	.00004	.00004	.00006	.00013
%RSD	39.626	11.590	26.500	44.704	112.01	292.70	31.121	55.390	.09777	20.955
#1	-.00002	.00050	.00381	-.06887	-.00257	.00161	.00009	-.00004	.06620	.00074
#2	-.00004	.00059	.00261	-.03579	-.00030	-.00463	.00014	-.00010	.06611	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00300**	**.00000**	**.02336**	**.00085**	**-.00076**	**.01746**	**.03737**	**.00052**	**-.00009**	**-.00129**
Stddev	.00099	.0003	.00149	.00164	.00231	.00092	.00197	.00023	.00000	.00100
%RSD	33.040	8434.1	6.3884	192.48	304.45	5.2756	5.2756	44.169	2.3967	77.157
#1	-.00230	-.00018	.02230	-.00031	-.00240	.01811	.03876	.00035	-.00009	-.00200
#2	-.00370	.00018	.02442	.00202	.00088	.01681	.03597	.00068	-.00009	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**-.00108**	**.00520**	**.00025**	**.00212**	**.00203**
Stddev	.00007	.00147	.04662	.00006	.00001	.00259
%RSD	13.080	136.39	896.22	22.355	.53759	127.57
#1	-.00049	-.00004	.03816	.00029	.00213	.00387
#2	-.00059	-.00212	-.02776	.00021	.00211	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8369.1**	**112790.**	**6450.4**
Stddev	5.7	7.	6.5
%RSD	.06833	.00636	.10046
#1	8365.1	112780.	6455.0
#2	8373.1	112790.	6445.8

Sample Name: lcs 280-199780/2-a Acquired: 11/11/2013 23:19:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05029**	**2.0500**	**1.0056**	**1.0193**	**2.0223**	**.04901**	**2.2832**	**49.219**	**.10631**	**.49395**
Stddev	.00035	.0076	.0004	.0046	.0048	.00030	.0073	.109	.00023	.00127
%RSD	.69011	.37249	.03508	.44820	.23913	.60508	.31763	.22119	.21736	.25741
#1	.05053	2.0554	1.0058	1.0226	2.0257	.04880	2.2883	49.296	.10648	.49484
#2	.05004	2.0446	1.0053	1.0161	2.0189	.04922	2.2780	49.143	.10615	.49305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20615**	**.25683**	**.98192**	**52.289**	**1.0055**	**50.584**	**.49345**	**1.0365**	**54.419**	**.50376**
Stddev	.00029	.00006	.00943	.033	.0004	.078	.00086	.0032	.067	.00160
%RSD	.14094	.02351	.96005	.06284	.04077	.15465	.17411	.30694	.12352	.31699
#1	.20636	.25679	.97525	52.312	1.0052	50.640	.49405	1.0388	54.371	.50489
#2	.20594	.25688	.98858	52.266	1.0058	50.529	.49284	1.0343	54.466	.50264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.334**	**.49781**	**.01471**	**.49127**	**2.0122**	**9.9847**	**21.367**	**2.0609**	**1.0055**	**.99496**
Stddev	.048	.00149	.00056	.00412	.0164	.0092	.020	.0160	.0014	.00122
%RSD	.46342	.29989	3.7733	.83860	.81244	.09197	.09197	.77441	.13440	.12307
#1	10.368	.49886	.01511	.49419	2.0237	9.9782	21.353	2.0722	1.0064	.99582
#2	10.300	.49675	.01432	.48836	2.0006	9.9912	21.381	2.0496	1.0045	.99409
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99056**	**1.9647**	**2.1545**	**.50645**	**.50929**	**.51797**
Stddev	.00192	.0159	.0496	.00025	.00082	.00580
%RSD	.19429	.81078	2.3031	.04986	.16104	1.1203
#1	.99192	1.9759	2.1895	.50663	.50871	.52208
#2	.98920	1.9534	2.1194	.50627	.50987	.51387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8006.2**	**106790.**	**6374.5**
Stddev	30.7	222.	30.5
%RSD	.38407	.20814	.47852
#1	7984.4	106940.	6353.0
#2	8027.9	106630.	6396.1

Sample Name: 280-48900-k-1-a Acquired: 11/11/2013 23:21:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.14254**	**.00132**	**.01895**	**.21718**	**-.00005**	**-.00117**	**61.322**	**.00030**	**.00002**
Stddev	.00049	.00032	.00256	.00001	.00090	.00003	.00072	.388	.00006	.00031
%RSD	80.250	.22711	194.04	.07227	.41625	57.895	61.135	.63306	20.384	1400.0
#1	.00096	.14277	-.00049	.01894	.21654	-.00003	-.00168	61.047	.00026	.00024
#2	.00026	.14231	.00313	.01896	.21782	-.00007	-.00067	61.596	.00034	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00141**	**.11917**	**3.2883**	**.00533**	**8.8194**	**.00296**	**.00104**	**4.7737**	**.00349**
Stddev	.00010	.00021	.00047	.0807	.00089	.0346	.00002	.00019	.0145	.00026
%RSD	12.778	14.729	.39125	2.4554	16.672	.39204	.84061	18.439	.30400	7.4039
#1	.00074	.00127	.11884	3.3454	.00596	8.8438	.00298	.00117	4.7635	.00331
#2	.00088	.00156	.11950	3.2312	.00470	8.7949	.00295	.00090	4.7840	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23532**	**-.00157**	**5.2115**	**-.00122**	**.00031**	**11.103**	**23.760**	**.00041**	**.33931**	**.00044**
Stddev	.00005	.00037	.0040	.00067	.00123	.065	.140	.00042	.00085	.00040
%RSD	.02197	23.730	.07770	54.554	398.93	.58963	.58963	102.56	.25063	90.056
#1	.23536	-.00131	5.2087	-.00075	-.00056	11.057	23.661	.00071	.33871	.00073
#2	.23528	-.00183	5.2144	-.00169	.00118	11.149	23.859	.00011	.33991	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00097**	**-.01574**	**.00149**	**.00488**	**.00413**
Stddev	.00023	.00145	.00787	.00040	.00050	.00119
%RSD	8.0567	149.22	50.015	26.919	10.187	28.812
#1	.00298	-.00005	-.02131	.00178	.00453	.00328
#2	.00266	.00199	-.01018	.00121	.00523	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8308.1**	**111050.**	**6511.6**
Stddev	14.4	132.	3.9
%RSD	.17304	.11848	.05986
#1	8318.3	110960.	6514.4
#2	8297.9	111150.	6508.9

Sample Name: 280-48900-k-1-aSD@5 Acquired: 11/11/2013 23:24:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.03483**	**.00305**	**.00415**	**.04380**	**-.00012**	**-.00068**	**12.385**	**.00016**	**.00005**
Stddev	.00003	.00029	.00049	.00049	.00055	.00008	.00056	.009	.00008	.00014
%RSD	8.1022	.82270	16.070	11.847	1.2450	68.300	81.693	.07546	48.888	303.39
#1	.00043	.03463	.00340	.00450	.04419	-.00017	-.00029	12.378	.00021	.00015
#2	.00039	.03503	.00271	.00380	.04341	-.00006	-.00108	12.391	.00010	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00033**	**.03770**	**.67232**	**.00003**	**1.8133**	**.00077**	**.00017**	**.99216**	**.00072**
Stddev	.00002	.00052	.00006	.12181	.00034	.0115	.00000	.00004	.00176	.00008
%RSD	11.678	154.65	.16564	18.117	1087.0	.63295	.43946	21.099	.17781	10.645
#1	.00019	-.00003	.03774	.75845	.00027	1.8214	.00077	.00015	.99092	.00066
#2	.00023	.00070	.03765	.58619	-.00021	1.8052	.00077	.00020	.99341	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04364**	**-.00041**	**1.0386**	**-.00116**	**-.00105**	**2.1758**	**4.6562**	**.00243**	**.06909**	**-.00051**
Stddev	.00070	.00097	.0065	.00077	.00124	.0105	.0226	.00018	.00044	.00109
%RSD	1.6031	234.78	.62961	66.725	118.17	.48432	.48432	7.4315	.64307	214.43
#1	.04413	-.00110	1.0433	-.00171	-.00193	2.1832	4.6721	.00256	.06940	.00026
#2	.04314	.00027	1.0340	-.00061	-.00017	2.1683	4.6402	.00230	.06877	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00107**	**.02781**	**.00058**	**.00585**	**.00230**
Stddev	.00000	.00042	.02278	.00000	.00022	.00015
%RSD	2.6959	38.810	81.897	.32477	3.7221	6.3427
#1	.00012	.00137	.01171	.00058	.00570	.00220
#2	.00013	.00078	.04392	.00057	.00601	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.4**	**111690.**	**6453.4**
Stddev	11.3	1470.	5.6
%RSD	.13515	1.3166	.08699
#1	8359.4	110650.	6449.5
#2	8343.5	112730.	6457.4

Sample Name: 280-48900-k-1-b ms Acquired: 11/11/2013 23:26:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04685**	**2.0587**	**.92290**	**.94641**	**2.0841**	**.04534**	F **2.0784**	**104.65**	**.09794**	**.45019**
Stddev	.00045	.0003	.00287	.00570	.0026	.00058	.0138	.20	.00046	.00069
%RSD	.95540	.01357	.31106	.60199	.12341	1.2820	.66534	.19127	.46692	.15239
#1	.04653	2.0589	.92493	.95044	2.0859	.04575	2.0882	104.79	.09827	.45067
#2	.04716	2.0585	.92087	.94239	2.0823	.04493	2.0686	104.51	.09762	.44970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18921**	**.24002**	**1.0175**	**51.460**	**.93966**	**54.654**	**.45584**	**.95294**	**54.331**	**.46012**
Stddev	.00047	.00010	.0108	.057	.00455	.013	.00072	.00274	.288	.00058
%RSD	.24700	.04014	1.0591	.11001	.48427	.02299	.15754	.28754	.52963	.12713
#1	.18955	.23995	1.0251	51.420	.94288	54.663	.45635	.95488	54.535	.46053
#2	.18888	.24009	1.0098	51.500	.93645	54.645	.45533	.95100	54.128	.45970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.7380**	**.45190**	**5.1073**	**.44452**	**1.8220**	**20.089**	**42.991**	**1.8724**	**1.2635**	**.92750**
Stddev	.0538	.00321	.0243	.00170	.0118	.229	.490	.0021	.0037	.00073
%RSD	.55243	.70993	.47625	.38310	.64486	1.1402	1.1402	.11194	.28978	.07892
#1	9.7761	.45417	5.1245	.44332	1.8303	20.251	43.337	1.8739	1.2661	.92698
#2	9.7000	.44963	5.0901	.44573	1.8137	19.927	42.644	1.8709	1.2609	.92801
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92494**	**1.7694**	**1.9783**	**.47110**	**.46635**	**.47270**
Stddev	.00073	.0027	.0037	.00013	.00227	.00559
%RSD	.07923	.15035	.18763	.02681	.48769	1.1835
#1	.92546	1.7713	1.9757	.47118	.46474	.47666
#2	.92443	1.7675	1.9809	.47101	.46796	.46874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7934.2**	**106180.**	**6458.8**
Stddev	40.0	466.	26.7
%RSD	.50395	.43919	.41336
#1	7962.5	106510.	6477.6
#2	7906.0	105850.	6439.9

Sample Name: 280-48900-k-1-c msd Acquired: 11/11/2013 23:28:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04918**	**2.1677**	**.97327**	**.99890**	**2.1871**	**.04745**	F **2.1802**	**110.20**	**.10295**	**.47238**
Stddev	.00016	.0044	.00162	.00094	.0127	.00031	.0029	.50	.00025	.00091
%RSD	.32037	.20486	.16614	.09457	.57875	.65318	.13272	.45528	.24257	.19205
#1	.04907	2.1709	.97441	.99957	2.1960	.04767	2.1781	110.56	.10313	.47302
#2	.04929	2.1646	.97213	.99824	2.1781	.04723	2.1822	109.85	.10277	.47174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19890**	**.24975**	**1.0775**	**54.498**	**.99101**	**57.770**	**.47990**	**1.0005**	**57.463**	**.48428**
Stddev	.00013	.00074	.0053	.260	.00346	.155	.00072	.0011	.309	.00045
%RSD	.06728	.29568	.49551	.47705	.34947	.26901	.14908	.10648	.53850	.09289
#1	.19900	.24922	1.0813	54.682	.99346	57.880	.48041	.99973	57.682	.48459
#2	.19881	.25027	1.0738	54.314	.98856	57.660	.47939	1.0012	57.244	.48396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.273**	**.47629**	**5.3532**	**.46971**	**1.9208**	**21.191**	**45.348**	**1.9662**	**1.3240**	**.97064**
Stddev	.026	.00014	.0005	.00053	.0096	.202	.433	.0041	.0074	.00015
%RSD	.25613	.03010	.00945	.11354	.50030	.95459	.95459	.20993	.55843	.01539
#1	10.292	.47619	5.3529	.47009	1.9275	21.334	45.654	1.9691	1.3292	.97074
#2	10.255	.47639	5.3536	.46934	1.9140	21.048	45.042	1.9632	1.3188	.97053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96901**	**1.8552**	**2.0704**	**.49448**	**.49401**	**.49762**
Stddev	.00055	.0013	.0185	.00199	.00247	.00518
%RSD	.05667	.06938	.89354	.40172	.50006	1.0417
#1	.96939	1.8561	2.0835	.49589	.49576	.50128
#2	.96862	1.8543	2.0573	.49308	.49227	.49395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.0**	**104120.**	**6214.8**
Stddev	22.2	426.	13.4
%RSD	.28212	.40934	.21510
#1	7862.3	103820.	6224.3
#2	7893.8	104420.	6205.4

Sample Name: 280-48900-k-2-a Acquired: 11/11/2013 23:30:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00595**	**.00005**	**.02573**	**.20833**	**-.00008**	**-.00056**	**201.73**	**.00060**	**.00989**
Stddev	.00015	.00039	.00067	.00020	.00048	.00009	.00091	.51	.00003	.00006
%RSD	27.258	6.5645	1280.9	.77095	.22929	105.02	161.83	.25135	4.4225	.63385
#1	.00045	.00568	.00052	.02587	.20866	-.00015	.00008	201.38	.00058	.00994
#2	.00067	.00623	-.00042	.02559	.20799	-.00002	-.00120	202.09	.00062	.00985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00187**	**.62085**	**2.3817**	**.00940**	**25.876**	**9.1550**	**.00286**	**12.140**	**.01972**
Stddev	.00008	.00012	.00168	.0057	.00007	.069	.0331	.00002	.332	.00016
%RSD	27.081	6.3703	.27045	.23989	.74944	.26689	.36103	.60440	2.7335	.80995
#1	.00025	.00179	.61966	2.3777	.00935	25.925	9.1316	.00287	11.905	.01960
#2	.00037	.00196	.62204	2.3858	.00945	25.827	9.1784	.00284	12.374	.01983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14157**	**-.00003**	**22.690**	**-.00302**	**.00092**	**9.6067**	**20.558**	**.00051**	**.88164**	**-.00040**
Stddev	.00299	.00042	.021	.00071	.00243	.0371	.079	.00017	.00043	.00396
%RSD	2.1094	1376.6	.09079	23.517	263.43	.38666	.38666	33.309	.04834	991.45
#1	.13946	.00027	22.704	-.00252	-.00080	9.5804	20.502	.00039	.88194	-.00320
#2	.14368	-.00033	22.675	-.00353	.00264	9.6329	20.615	.00063	.88134	.00240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00430**	W **-.05828**	**.00219**	**.00783**	**.00195**
Stddev	.00023	.00116	.00959	.00002	.00013	.00245
%RSD	414.87	27.038	16.451	.95592	1.6600	125.67
#1	.00011	-.00348	-.05150	.00221	.00792	.00368
#2	-.00022	-.00512	-.06506	.00218	.00774	.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7970.6**	**105730.**	**6349.1**
Stddev	3.0	538.	56.3
%RSD	.03746	.50871	.88715
#1	7968.5	105350.	6388.9
#2	7972.8	106110.	6309.2

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:33:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**51.368**	**.00071**	**.00201**	**.00019**	**-.00018**	W **1.0738**	**.08283**	**-.00019**	**-.00012**	**.00007**	**.01275**
Stddev	.00022	.213	.00109	.00024	.00007	.00000	.0041	.02616	.00034	.00013	.00018	.00034
%RSD	2.7160	.41484	153.19	12.083	37.777	1.1569	.38510	31.586	179.34	108.52	248.07	2.6537
#1	.00785	51.519	.00148	.00184	.00014	-.00018	1.0768	.10133	-.00043	-.00003	-.00006	.01299
#2	.00815	51.218	-.00006	.00219	.00024	-.00018	1.0709	.06433	.00005	-.00021	.00020	.01251
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.483**	**.02785**	**-.00172**	**.08180**	**.00155**	**-.00020**	**265.02**	**-.00024**	**-.00066**	**.00086**	**5.1143**	**.00028**
Stddev	.746	.00867	.00011	.00184	.00023	.00009	1.09	.00007	.00130	.00078	.0093	.00052
%RSD	1.4783	31.130	6.4792	2.2443	14.902	44.011	.41169	27.818	198.32	91.191	.18125	184.62
#1	51.011	.02172	-.00164	.08309	.00171	-.00026	265.79	-.00019	-.00158	.00141	5.1209	-.00009
#2	49.955	.03398	-.00180	.08050	.00138	-.00014	264.25	-.00028	.00026	.00030	5.1078	.00064
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00533**	**.02195**	**.04698**	**-.00033**	**.00055**	**4.9763**	**-.01300**	**.00182**	F **6.3259**	**.00130**	**.00144**	**.06167**
Stddev	.00121	.01147	.02454	.00001	.00011	.0081	.00046	.00083	.0528	.00002	.00025	.00062
%RSD	22.718	52.230	52.230	2.8325	20.014	.16332	3.5283	45.791	.83396	1.4513	17.256	1.0030
#1	-.00448	.03006	.06433	-.00032	.00062	4.9821	-.01332	.00240	6.2886	.00132	.00162	.06210
#2	-.00619	.01385	.02963	-.00034	.00047	4.9706	-.01267	.00123	6.3632	.00129	.00127	.06123
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8006.5**	**105250.**	**6354.7**
Stddev	1.3	473.	32.8
%RSD	.01663	.44893	.51548
#1	8005.5	104920.	6331.5
#2	8007.4	105590.	6377.8

Sample Name: CCV-2372889 Acquired: 11/11/2013 23:35:30 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50239**	**.54506**	**1.0051**	**.50642**	**.50338**	**.49147**	**-.00482**	**5.0942**	**.50665**	**.50833**	**.51213**	**.50541**	**2.4828**
Stddev	.00075	.00158	.0006	.00142	.00303	.00122	.00356	.0324	.00127	.00080	.00107	.00008	.0310
%RSD	.14872	.29020	.06469	.28068	.60221	.24734	73.760	.63570	.25112	.15748	.20930	.01653	1.2497
#1	.50186	.54394	1.0047	.50541	.50124	.49061	-.00734	5.1171	.50575	.50776	.51137	.50535	2.5047
#2	.50292	.54617	1.0056	.50743	.50553	.49233	-.00231	5.0713	.50755	.50889	.51289	.50547	2.4608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.107**	**1.0053**	**20.330**	**.50116**	**.51713**	**5.3029**	**.51637**	**1.0181**	**1.0438**	**.01394**	**1.0080**	**1.0188**	**4.9218**
Stddev	.104	.0017	.100	.00132	.00334	.0496	.00160	.0088	.0068	.00196	.0049	.0058	.0584
%RSD	.20015	.16864	.49047	.26396	.64536	.93523	.30920	.86223	.64838	14.050	.48809	.57265	1.1871
#1	52.033	1.0041	20.260	.50022	.51477	5.3380	.51524	1.0119	1.0390	.01255	1.0045	1.0147	4.9631
#2	52.180	1.0065	20.401	.50209	.51949	5.2679	.51750	1.0243	1.0486	.01532	1.0115	1.0229	4.8805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.533**	**1.0398**	**.50139**	**-.00287**	**.49473**	**1.0411**	**.01355**	**.50547**	**.52005**	**.49758**
Stddev	.125	.0049	.00163	.00018	.00157	.0031	.00110	.00100	.00225	.00383
%RSD	1.1871	.47425	.32579	6.3865	.31720	.29922	8.1364	.19711	.43291	.77029
#1	10.621	1.0363	.50024	-.00300	.49363	1.0389	.01433	.50476	.51846	.50029
#2	10.444	1.0433	.50255	-.00274	.49584	1.0433	.01277	.50617	.52164	.49487
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8168.0**	**109250.**	**6328.2**
Stddev	9.8	542.	10.7
%RSD	.12034	.49581	.16934
#1	8174.9	109640.	6335.8
#2	8161.0	108870.	6320.6

Sample Name: CCB Acquired: 11/11/2013 23:37:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00415**	**.00070**	**.00102**	**.00007**	**.00017**	**-.00226**	**.01168**	**-.00008**	**.00014**	**-.00009**
Stddev	.00007	.00022	.00064	.00044	.00005	.00002	.00098	.00075	.00009	.00018	.00012
%RSD	14.939	5.2992	91.924	43.240	74.386	10.972	43.573	6.4426	120.69	125.60	131.50
#1	.00055	-.00399	.00025	.00071	.00003	.00019	-.00156	.01222	-.00001	.00002	-.00001
#2	.00044	-.00431	.00116	.00133	.00011	.00016	-.00296	.01115	-.00014	.00027	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00116**	**.05339**	**-.00017**	**.00136**	**.00017**	**.00029**	**.00338**	**.00052**	**-.00412**	**-.00029**
Stddev	.00014	.00017	.02158	.00039	.00005	.00000	.00004	.01886	.00008	.00020	.00052
%RSD	42.492	14.313	40.414	226.58	3.6063	.63748	14.949	558.38	15.635	4.9709	180.61
#1	-.00043	.00128	.03813	-.00045	.00132	.00017	.00032	-.00996	.00047	-.00398	.00008
#2	-.00023	.00104	.06865	.00010	.00139	.00018	.00026	.01672	.00058	-.00427	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02098**	F **.00697**	**.00025**	**.02535**	**.05424**	**.00021**	**.00015**	**-.00004**	W **-.00068**	**-.00012**	**.04126**
Stddev	.00138	.00051	.00272	.00467	.01000	.00102	.00011	.00121	.00016	.00029	.01628
%RSD	6.5952	7.3261	1105.4	18.435	18.435	485.43	73.116	3221.3	23.019	233.61	39.455
#1	.02000	.00661	.00217	.02865	.06131	.00093	.00023	.00082	-.00079	.00008	.02975
#2	.02196	.00733	-.00168	.02204	.04717	-.00051	.00007	-.00089	-.00057	-.00033	.05277
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		.00628							.00060		
Low Limit		-.00628							-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00058**	**.00297**	W **.00242**
Stddev	.00063	.00020	.00030
%RSD	109.56	6.5877	12.276
#1	.00013	.00283	.00221
#2	.00103	.00310	.00263
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8259.1**	**111230.**	**6269.4**
Stddev	37.3	180.	31.6
%RSD	.45147	.16182	.50332
#1	8285.5	111100.	6247.0
#2	8232.7	111360.	6291.7

Sample Name: CCVL2372865 Acquired: 11/11/2013 23:39:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.10838**	**.01702**	**.10059**	**.01002**	**.00092**	**.12733**	**.21279**	**.00524**	**.01076**	**.01041**	**.01593**	**.09969**
Stddev	.00002	.00054	.00201	.00010	.00016	.00003	.00008	.00222	.00013	.00016	.00011	.00034	.00134
%RSD	.17078	.49921	11.798	.10363	1.6228	3.4366	.06569	1.0449	2.4488	1.4750	1.0117	2.1619	1.3423
#1	.01098	.10877	.01844	.10067	.00991	.00090	.12728	.21437	.00515	.01087	.01034	.01617	.10064
#2	.01101	.10800	.01560	.10052	.01014	.00095	.12739	.21122	.00533	.01064	.01048	.01568	.09874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1062**	**.00754**	**.20916**	**.01025**	**.02024**	**1.0585**	**.04269**	**2.9819**	**.00928**	**.01580**	**.00747**	**.01454**	**.49078**
Stddev	.0368	.00327	.00123	.00003	.00018	.0052	.00039	.0002	.00033	.00147	.00019	.00000	.01068
%RSD	1.1842	43.358	.58591	.25581	.87024	.49355	.90724	.00539	3.5687	9.2778	2.5690	.01987	2.1759
#1	3.1322	.00523	.20829	.01023	.02036	1.0622	.04296	2.9818	.00952	.01683	.00760	.01453	.49833
#2	3.0802	.00985	.21003	.01027	.02011	1.0548	.04241	2.9820	.00905	.01476	.00733	.01454	.48322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0503**	**.10465**	**.00999**	**.01319**	**.00914**	**.01637**	F **.11338**	**.01001**	**.02369**	**.01588**
Stddev	.0228	.00036	.00019	.00071	.00017	.00013	.04004	.00044	.00027	.00074
%RSD	2.1759	.33982	1.8793	5.4155	1.8679	.77253	35.311	4.3670	1.1254	4.6372
#1	1.0664	.10490	.01013	.01269	.00926	.01628	.08507	.00970	.02350	.01641
#2	1.0341	.10440	.00986	.01370	.00902	.01646	.14169	.01032	.02388	.01536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8560.5**	**115810.**	**6602.1**
Stddev	12.6	143.	45.0
%RSD	.14729	.12350	.68226
#1	8551.5	115710.	6570.3
#2	8569.4	115910.	6634.0

Sample Name: 280-48901-e-1-a Acquired: 11/11/2013 23:42:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00451**	**-.00073**	**.14020**	**.12798**	**-.00004**	**-.00158**	**435.54**	**.00297**	**.00291**
Stddev	.00053	.00006	.00122	.00016	.00055	.00009	.00153	3.94	.00020	.00024
%RSD	51.137	1.4266	166.92	.11446	.43142	199.73	96.847	.90423	6.8320	8.3391
#1	.00066	.00447	.00013	.14031	.12759	-.00011	-.00266	432.76	.00311	.00308
#2	.00141	.00456	-.00159	.14009	.12837	.00002	-.00050	438.33	.00282	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00242**	**.02489**	**2.9065**	**.02562**	**43.053**	W **12.584**	**.00543**	**212.43**	**.09087**
Stddev	.00003	.00030	.00027	.0200	.00133	.081	.057	.00007	.09	.00009
%RSD	10.120	12.596	1.0971	.68754	5.1845	.18814	.45430	1.3715	.04325	.09670
#1	.00026	.00221	.02508	2.8924	.02655	43.110	12.544	.00537	212.37	.09081
#2	.00030	.00264	.02470	2.9207	.02468	42.996	12.624	.00548	212.50	.09094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21614**	**-.00012**	**89.567**	**-.00119**	**-.00105**	**13.392**	**28.659**	**-.00004**	**1.2597**	**-.00172**
Stddev	.00114	.00102	.147	.00052	.00158	.118	.254	.00017	.0007	.00185
%RSD	.52936	812.64	.16389	44.165	150.00	.88474	.88474	395.47	.05389	107.49
#1	.21533	.00059	89.671	-.00082	-.00217	13.308	28.480	.00008	1.2602	-.00303
#2	.21695	-.00084	89.464	-.00156	.00006	13.476	28.839	-.00017	1.2593	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00535**	**-.03428**	**.00355**	**.01355**	**.00217**
Stddev	.00002	.00026	.00394	.00075	.00055	.00200
%RSD	219.19	4.7958	11.478	21.271	4.0388	92.159
#1	-.00001	-.00517	-.03706	.00408	.01394	.00359
#2	.00003	-.00553	-.03150	.00301	.01316	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7616.5**	**101990.**	**6348.2**
Stddev	19.2	332.	38.2
%RSD	.25209	.32576	.60242
#1	7630.1	101750.	6375.3
#2	7602.9	102220.	6321.2

Sample Name: 280-48901-b-2-a Acquired: 11/11/2013 23:44:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.17429**	**.00358**	**.01894**	**.21923**	**.00003**	**-.00317**	**58.708**	**.00022**	**-.00008**
Stddev	.00015	.00088	.00052	.00016	.00001	.00004	.00230	.297	.00001	.00025
%RSD	195.41	.50601	14.468	.83148	.00345	134.85	72.713	.50604	5.6780	319.89
#1	.00018	.17491	.00322	.01905	.21924	.00000	-.00154	58.918	.00022	-.00026
#2	-.00003	.17367	.00395	.01883	.21923	.00005	-.00480	58.498	.00021	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00143**	**.12195**	**3.4305**	**.00559**	**8.9675**	**.00451**	**.00059**	**5.0648**	**.00305**
Stddev	.00001	.00022	.00120	.0250	.00033	.0000	.00030	.00022	.0349	.00024
%RSD	1.3123	15.080	.98434	.72976	5.8521	.00010	6.7190	36.848	.68859	7.8709
#1	.00092	.00159	.12111	3.4128	.00535	8.9675	.00472	.00044	5.0894	.00322
#2	.00093	.00128	.12280	3.4482	.00582	8.9675	.00430	.00074	5.0401	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25650**	**-.00159**	**4.9692**	**-.00295**	**.00049**	**11.673**	**24.981**	**.00008**	**.33617**	**-.00083**
Stddev	.00006	.00040	.0085	.00226	.00342	.040	.085	.00061	.00099	.00227
%RSD	.02489	25.220	.17173	76.853	701.12	.33875	.33875	796.20	.29431	273.33
#1	.25646	-.00130	4.9752	-.00134	-.00193	11.645	24.921	.00050	.33687	-.00243
#2	.25655	-.00187	4.9631	-.00455	.00291	11.701	25.040	-.00035	.33547	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**.00114**	**.01605**	**.00123**	**.00445**	**.00314**
Stddev	.00009	.00157	.00531	.00042	.00018	.00213
%RSD	2.4824	138.17	33.078	34.455	4.0400	67.848
#1	.00369	.00225	.01981	.00152	.00458	.00163
#2	.00356	.00003	.01230	.00093	.00433	.00464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8322.9**	**111420.**	**6619.7**
Stddev	20.4	320.	50.1
%RSD	.24500	.28750	.75701
#1	8308.5	111650.	6584.3
#2	8337.3	111200.	6655.1

Sample Name: 280-48901-b-3-a Acquired: 11/11/2013 23:47:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.01105**	**.00054**	**.02112**	**.24589**	**-.00005**	**-.00224**	**224.41**	**.00035**	**.01561**
Stddev	.00023	.00024	.00176	.00005	.00083	.00001	.00082	.58	.00014	.00016
%RSD	49.773	2.1830	325.67	.24047	.33780	11.268	36.526	.26060	40.022	1.0352
#1	.00029	.01122	.00178	.02116	.24531	-.00004	-.00282	224.00	.00025	.01550
#2	.00061	.01088	-.00070	.02109	.24648	-.00005	-.00166	224.83	.00045	.01573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00169**	**1.1139**	**2.1755**	**.01279**	**26.500**	**7.4818**	**.00174**	**12.929**	**.01806**
Stddev	.00011	.00010	.0016	.0357	.00071	.036	.0600	.00000	.035	.00013
%RSD	147.80	6.0568	.14167	1.6387	5.5774	.13423	.80222	.00088	.26925	.71610
#1	-.00015	.00162	1.1151	2.2007	.01228	26.525	7.4393	.00174	12.904	.01797
#2	.00000	.00176	1.1128	2.1503	.01329	26.475	7.5242	.00174	12.953	.01815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18454**	**.00023**	**24.953**	**-.00008**	**-.00106**	**10.645**	**22.780**	**.00027**	**.98001**	**-.00118**
Stddev	.00449	.00085	.041	.00165	.00150	.086	.183	.00028	.00454	.00051
%RSD	2.4357	371.74	.16306	1949.0	140.67	.80505	.80505	105.13	.46294	43.004
#1	.18136	.00083	24.924	.00108	-.00212	10.705	22.910	.00007	.97680	-.00082
#2	.18772	-.00037	24.982	-.00125	-.00001	10.584	22.650	.00047	.98321	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00391**	**-.00755**	**.00205**	**.00767**	**.00034**
Stddev	.00032	.00006	.00925	.00042	.00031	.00163
%RSD	207.52	1.5518	122.47	20.632	4.0126	484.35
#1	-.00038	-.00395	-.01409	.00175	.00745	-.00082
#2	.00007	-.00387	-.00101	.00234	.00788	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8023.4**	**107420.**	**6466.9**
Stddev	.7	315.	26.0
%RSD	.00815	.29288	.40265
#1	8023.8	107640.	6485.3
#2	8022.9	107200.	6448.5

Sample Name: 280-48901-e-4-a Acquired: 11/11/2013 23:49:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00975**	**.00286**	**.02383**	**.21370**	**-.00009**	**-.00231**	**205.50**	**.00051**	**.00988**
Stddev	.00012	.00004	.00062	.00044	.00162	.00003	.00277	1.59	.00009	.00006
%RSD	14.116	.39320	21.804	1.8668	.75766	30.623	119.60	.77402	17.783	.58720
#1	.00074	.00973	.00330	.02351	.21255	-.00007	-.00427	204.38	.00057	.00984
#2	.00091	.00978	.00242	.02414	.21484	-.00010	-.00036	206.63	.00044	.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00163**	**.63756**	**2.3240**	**.01104**	**25.903**	**9.2670**	**.00216**	**12.277**	**.01978**
Stddev	.00004	.00020	.00641	.0503	.00202	.037	.0494	.00029	.208	.00019
%RSD	232.92	12.557	1.0046	2.1651	18.260	.14438	.53286	13.249	1.6941	.96627
#1	.00001	.00148	.63303	2.3596	.01247	25.877	9.2321	.00236	12.130	.01992
#2	-.00005	.00177	.64209	2.2884	.00962	25.930	9.3019	.00196	12.424	.01965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14475**	**.00035**	**23.052**	**-.00208**	**.00077**	**9.6429**	**20.636**	**.00359**	**.90451**	**-.00047**
Stddev	.00096	.00040	.025	.00069	.00393	.0034	.007	.00021	.00717	.00180
%RSD	.66304	111.81	.10977	33.082	507.04	.03513	.03513	5.8001	.79302	379.50
#1	.14407	.00007	23.034	-.00257	.00355	9.6405	20.631	.00344	.89944	.00080
#2	.14543	.00063	23.070	-.00160	-.00200	9.6453	20.641	.00374	.90958	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00511**	**-.04718**	**.00211**	**.00883**	**.00132**
Stddev	.00002	.00011	.04694	.00014	.00010	.00169
%RSD	7.0578	2.0827	99.502	6.7438	1.1666	127.89
#1	-.00026	-.00503	-.08037	.00221	.00876	.00251
#2	-.00028	-.00518	-.01398	.00201	.00890	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7998.2**	**106860.**	**6473.4**
Stddev	2.6	129.	12.0
%RSD	.03197	.12103	.18560
#1	8000.0	106770.	6481.9
#2	7996.4	106950.	6464.9

Sample Name: 280-48901-e-5-a Acquired: 11/11/2013 23:51:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.08690**	**-.00089**	**.11523**	**.03427**	**.00000**	**-.00368**	**240.78**	**.00083**	**.00008**
Stddev	.00055	.00022	.00061	.00039	.00036	.0000	.00031	1.14	.00007	.00022
%RSD	205.40	.25693	68.760	.33439	1.0596	898.95	8.4934	.47195	8.4269	275.95
#1	.00066	.08674	-.00046	.11496	.03452	.00002	-.00391	241.58	.00078	.00024
#2	-.00012	.08706	-.00132	.11550	.03401	-.00003	-.00346	239.97	.00087	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00262**	**.08135**	**5.2475**	**.03008**	**65.012**	**.00577**	**.00778**	**32.946**	**.00191**
Stddev	.00008	.00029	.00313	.0760	.00455	.021	.00033	.00033	.305	.00025
%RSD	15.334	10.961	3.8487	1.4488	15.120	.03193	5.6410	4.3041	.92465	12.875
#1	.00054	.00282	.08357	5.3012	.03329	65.026	.00600	.00754	33.162	.00208
#2	.00044	.00241	.07914	5.1937	.02686	64.997	.00554	.00801	32.731	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01402**	**-.00101**	W **185.75**	**-.00185**	**.02725**	**7.0611**	**15.111**	**-.00022**	**1.6987**	**-.00244**
Stddev	.00205	.00057	.19	.00001	.00302	.0420	.090	.00022	.0022	.00090
%RSD	14.619	56.208	.10211	.37480	11.087	.59524	.59524	102.52	.13190	36.695
#1	.01547	-.00061	185.88	-.00186	.02939	7.0909	15.174	-.00038	1.7003	-.00181
#2	.01257	-.00141	185.61	-.00185	.02511	7.0314	15.047	-.00006	1.6971	-.00307
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.00158**	**.03633**	**.00102**	**.01204**	**.00026**
Stddev	.00046	.00025	.00955	.00017	.00001	.00238
%RSD	21.198	15.621	26.274	17.024	.06234	898.40
#1	.00248	.00176	.02958	.00089	.01205	-.00142
#2	.00184	.00141	.04308	.00114	.01204	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7887.4**	**106040.**	**6480.4**
Stddev	26.9	54.	15.8
%RSD	.34123	.05066	.24311
#1	7868.4	106010.	6469.3
#2	7906.4	106080.	6491.5

Sample Name: 280-48901-e-6-a Acquired: 11/11/2013 23:54:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00204**	**.00222**	**.06542**	**.08746**	**.00000**	**-.00215**	**214.01**	**.00369**	**.00093**
Stddev	.00056	.00010	.00108	.00039	.00014	.0001	.00081	.32	.00006	.00028
%RSD	566.59	5.1206	48.511	.60204	.16358	1743.5	37.645	.14771	1.4932	29.646
#1	-.00030	.00211	.00299	.06570	.08736	.00004	-.00273	214.24	.00365	.00113
#2	.00050	.00196	.00146	.06515	.08756	-.00005	-.00158	213.79	.00373	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.01928**	**.09751**	**3.2170**	**.02243**	**43.297**	**.28855**	**.00494**	**27.975**	**.06294**
Stddev	.00004	.00005	.00216	.0329	.00195	.459	.00218	.00020	.320	.00019
%RSD	6.5707	.27471	2.2102	1.0225	8.6862	1.0603	.75639	4.1127	1.1449	.30604
#1	.00060	.01924	.09599	3.1938	.02105	43.622	.29009	.00508	28.202	.06281
#2	.00066	.01931	.09904	3.2403	.02380	42.973	.28701	.00480	27.749	.06308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00718**	**-.00066**	**61.989**	**-.00102**	**.03822**	**8.6765**	**18.568**	**-.00008**	**1.2247**	**.00008**
Stddev	.00118	.00009	.061	.00153	.00094	.0626	.134	.00010	.0016	.00007
%RSD	16.397	13.510	.09910	150.07	2.4577	.72197	.72197	112.80	.13042	84.561
#1	.00635	-.00060	62.032	.00006	.03888	8.7208	18.662	-.00002	1.2235	.00013
#2	.00802	-.00072	61.946	-.00210	.03756	8.6322	18.473	-.00015	1.2258	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00048**	**-.02652**	**.00102**	**.15287**	**.00313**
Stddev	.00018	.00043	.04502	.00016	.00179	.00048
%RSD	346.29	88.582	169.80	16.132	1.1734	15.429
#1	-.00018	.00078	-.05835	.00090	.15414	.00279
#2	.00008	.00018	.00532	.00113	.15160	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8007.8**	**108320.**	**6646.8**
Stddev	1.0	469.	24.0
%RSD	.01311	.43340	.36138
#1	8007.1	107990.	6629.8
#2	8008.6	108650.	6663.8

Sample Name: 280-48901-e-7-a Acquired: 11/11/2013 23:56:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.04639**	**.00292**	**.06496**	**.04289**	**-.00003**	**-.00127**	**370.03**	**.00076**	**.00249**
Stddev	.00018	.00070	.00334	.00010	.00004	.00007	.00138	2.26	.00006	.00015
%RSD	58.756	1.5086	114.69	.15529	.09916	259.71	108.86	.61016	8.0373	6.1808
#1	.00018	.04689	.00055	.06488	.04292	-.00007	-.00029	368.43	.00080	.00238
#2	.00044	.04590	.00528	.06503	.04286	.00002	-.00224	371.62	.00071	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00636**	**1.2655**	**1.4637**	**.01751**	**24.666**	**.29718**	**.00438**	**48.615**	**.04366**
Stddev	.00007	.00009	.0018	.0327	.00164	.064	.00018	.00014	.060	.00036
%RSD	23.427	1.4222	.14436	2.2336	9.3401	.26025	.06024	3.1635	.12351	.81726
#1	.00026	.00630	1.2643	1.4868	.01636	24.712	.29705	.00448	48.657	.04391
#2	.00036	.00643	1.2668	1.4406	.01867	24.621	.29731	.00428	48.572	.04341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07884**	**-.00155**	W **187.71**	**-.00067**	**-.00194**	**10.972**	**23.479**	**.00007**	**1.7443**	**-.00229**
Stddev	.00329	.00065	.29	.00177	.00448	.040	.085	.00045	.0071	.00194
%RSD	4.1731	42.188	.15268	263.35	230.99	.36228	.36228	640.06	.40925	85.066
#1	.07652	-.00202	187.51	-.00192	-.00511	10.943	23.419	-.00025	1.7392	-.00091
#2	.08117	-.00109	187.91	.00058	.00123	11.000	23.539	.00039	1.7493	-.00366
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00104**	**.01216**	**.00115**	**.03461**	**.00289**
Stddev	.00043	.00269	.05003	.00003	.00067	.00096
%RSD	73.505	259.73	411.56	2.2130	1.9487	33.244
#1	.00028	-.00087	-.02322	.00117	.03413	.00358
#2	.00089	.00294	.04753	.00113	.03509	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7982.9**	**107580.**	**6750.3**
Stddev	4.1	40.	6.2
%RSD	.05131	.03730	.09117
#1	7980.1	107550.	6754.6
#2	7985.8	107610.	6745.9

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:58:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00802**	**51.348**	**.00374**	**.00072**	**-.00006**	**-.00013**	W **1.0996**	**.13329**	**-.00027**	**-.00049**	**-.00003**	**.01273**
Stddev	.00041	.398	.00061	.00043	.00028	.00002	.0004	.05291	.00001	.00015	.00013	.00002
%RSD	5.1492	.77538	16.188	59.236	446.19	18.397	.03703	39.700	4.0777	30.567	516.32	.15736
#1	.00773	51.067	.00332	.00102	.00014	-.00011	1.0993	.17070	-.00028	-.00039	.00007	.01275
#2	.00832	51.630	.00417	.00042	-.00026	-.00014	1.0999	.09587	-.00027	-.00060	-.00012	.01272
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.109**	**.03202**	**-.00233**	**.08700**	**.00083**	**-.00027**	**268.57**	**-.00038**	**-.00191**	**.00010**	**5.2416**	**-.00216**
Stddev	.105	.02999	.00318	.00149	.00009	.00024	2.36	.00010	.00006	.00048	.0192	.00204
%RSD	.20892	93.677	136.63	1.7123	11.021	87.742	.87832	27.797	3.0693	484.86	.36544	94.512
#1	50.183	.01081	-.00458	.08595	.00089	-.00044	266.90	-.00045	-.00195	.00044	5.2552	-.00072
#2	50.035	.05323	-.00008	.08806	.00076	-.00010	270.24	-.00030	-.00187	-.00024	5.2281	-.00361
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00302**	**.01664**	**.03560**	**-.00041**	**.00071**	**4.9729**	**-.01319**	**.00118**	F **6.4046**	**.00163**	**.00128**	**.06876**
Stddev	.00063	.00468	.01002	.00002	.00022	.0249	.00011	.00013	.0015	.00004	.00005	.00160
%RSD	20.822	28.156	28.156	5.4660	30.272	.50073	.79792	10.707	.02344	2.5417	4.0808	2.3230
#1	-.00347	.01332	.02851	-.00043	.00086	4.9552	-.01311	.00109	6.4057	.00166	.00132	.06763
#2	-.00258	.01995	.04269	-.00040	.00056	4.9905	-.01326	.00127	6.4036	.00160	.00125	.06989
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.1**	**110740.**	**6887.2**
Stddev	13.4	455.	78.8
%RSD	.16212	.41125	1.1442
#1	8291.6	111060.	6942.9
#2	8272.6	110420.	6831.4

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:01:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52761**	F **.57339**	**1.0576**	**.52464**	**.52572**	**.51332**	**-.00493**	**5.3062**	**.53183**	**.52875**	**.53463**	**.53529**
Stddev	.00078	.00082	.0053	.00016	.00053	.00075	.00025	.0044	.00069	.00011	.00026	.00076
%RSD	.14726	.14343	.50556	.03096	.10070	.14588	4.9856	.08315	.12964	.02048	.04806	.14201
#1	.52706	.57397	1.0538	.52453	.52534	.51385	-.00476	5.3093	.53231	.52867	.53481	.53583
#2	.52816	.57280	1.0614	.52475	.52609	.51279	-.00510	5.3031	.53134	.52883	.53445	.53476
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6031**	**53.993**	**1.0389**	**21.135**	**.51960**	**.54181**	W **5.5080**	**.53884**	**1.0695**	**1.0833**	**.03056**	**1.0628**
Stddev	.0008	.102	.0002	.008	.00037	.00396	.0426	.00018	.0136	.0045	.00097	.0001
%RSD	.02895	.18983	.01516	.03984	.07139	.73075	.77355	.03267	1.2758	.41479	3.1710	.00450
#1	2.6026	54.065	1.0388	21.141	.51934	.53901	5.5381	.53872	1.0598	1.0801	.03125	1.0628
#2	2.6037	53.921	1.0390	21.129	.51986	.54461	5.4778	.53897	1.0791	1.0864	.02988	1.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0694**	**5.0820**	**10.876**	**1.0860**	**.52452**	**-.00573**	**.51227**	**1.0855**	**.02484**	**.52604**	**.53777**	**.52178**
Stddev	.0022	.0182	.039	.0035	.00046	.00039	.00104	.0015	.03518	.00045	.00010	.00029
%RSD	.20516	.35909	.35909	.32186	.08687	6.7343	.20389	.13814	141.63	.08528	.01868	.05612
#1	1.0710	5.0949	10.903	1.0836	.52484	-.00600	.51301	1.0845	.04972	.52636	.53784	.52199
#2	1.0679	5.0691	10.848	1.0885	.52420	-.00546	.51154	1.0866	-.00004	.52572	.53769	.52158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8285.1**	**112360.**	**6731.2**
Stddev	41.9	73.	58.9
%RSD	.50593	.06488	.87449
#1	8255.5	112310.	6772.9
#2	8314.8	112410.	6689.6

Sample Name: CCB Acquired: 11/12/2013 0:03:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00380**	**.00321**	**-.00010**	**-.00013**	**.00018**	**.00048**	**.01500**	**.00007**	**.00035**	**-.00002**	**.00013**
Stddev	.00078	.00001	.00038	.00029	.00016	.00007	.00135	.00185	.00010	.00013	.00000	.00004
%RSD	137.36	.21818	11.822	286.99	122.60	40.827	284.06	12.316	157.10	36.989	16.025	28.680
#1	.00002	-.00380	.00294	.00010	-.00002	.00024	.00143	.01369	-.00001	.00045	-.00002	.00011
#2	.00113	-.00381	.00348	-.00031	-.00024	.00013	-.00048	.01631	.00014	.00026	-.00001	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.03343**	**-.00072**	**.00580**	**.00011**	**.00039**	**.01667**	**.00033**	**-.00428**	**.00029**	**.03125**	F **.00654**
Stddev	.00063	.01782	.00017	.00097	.00003	.00027	.00933	.00000	.00127	.00027	.00219	.00047
%RSD	280.66	53.290	23.741	16.712	27.426	68.372	55.974	.84482	29.666	94.167	7.0044	7.2342
#1	-.00066	.04603	-.00060	.00648	.00009	.00020	.02327	.00032	-.00338	.00048	.03280	.00621
#2	.00022	.02083	-.00084	.00511	.00014	.00058	.01007	.00033	-.00518	.00010	.02970	.00688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00459**	**.00982**	**.00012**	W **.00033**	**-.00104**	**-.00050**	**-.00031**	**-.00010**	**.00007**	**.00336**	**.00201**
Stddev	.00310	.00532	.01138	.00038	.00013	.00121	.00023	.00072	.04996	.00001	.00009	.00066
%RSD	2480.1	115.84	115.84	303.59	38.559	116.60	46.245	232.37	49500.	15.997	2.6224	32.882
#1	-.00207	.00835	.01787	-.00014	.00042	-.00018	-.00033	.00020	-.03542	.00006	.00342	.00155
#2	.00232	.00083	.00178	.00039	.00024	-.00190	-.00066	-.00082	.03522	.00007	.00330	.00248
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8263.5**	**112190.**	**6426.2**
Stddev	7.5	529.	23.3
%RSD	.09083	.47182	.36273
#1	8268.8	111810.	6409.8
#2	8258.2	112560.	6442.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:05:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01138**	**.11174**	**.01658**	**.10225**	**.01004**	**.00097**	**.12522**	**.22250**	**.00519**	**.01108**	**.01060**	**.01604**	**.10377**
Stddev	.00077	.00046	.00046	.00022	.00014	.00001	.00472	.00292	.00007	.00001	.00001	.00005	.00058
%RSD	6.8011	.41614	2.7875	.21349	1.4040	1.5437	3.7661	1.3109	1.2964	.08112	.07661	.31461	.56151
#1	.01083	.11207	.01691	.10241	.00994	.00098	.12856	.22456	.00515	.01107	.01060	.01600	.10336
#2	.01192	.11141	.01626	.10210	.01014	.00096	.12189	.22043	.00524	.01108	.01061	.01608	.10418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1816**	**.00721**	**.21277**	**.01041**	**.02105**	**1.0779**	**.04354**	**3.0504**	**.00965**	**.03204**	**.01125**	**.01577**	**.51374**
Stddev	.0338	.00240	.00264	.00004	.00007	.0184	.00043	.0041	.00062	.00145	.00003	.00155	.02913
%RSD	1.0613	33.335	1.2413	.42792	.34736	1.7078	.98602	.13315	6.4219	4.5379	.25878	9.8493	5.6706
#1	3.1577	.00891	.21464	.01038	.02100	1.0649	.04324	3.0476	.00922	.03101	.01123	.01467	.49314
#2	3.2055	.00551	.21091	.01044	.02110	1.0909	.04384	3.0533	.01009	.03307	.01127	.01687	.53434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0994**	**.10866**	**.01020**	**.01614**	**.00949**	**.01670**	**.06089**	**.01033**	F **.02604**	**.01845**
Stddev	.0623	.00066	.00019	.00091	.00008	.00060	.00873	.00032	.00008	.00032
%RSD	5.6706	.60486	1.8206	5.6454	.85829	3.5701	14.345	3.1035	.29351	1.7407
#1	1.0553	.10819	.01007	.01549	.00955	.01628	.05471	.01056	.02599	.01868
#2	1.1435	.10912	.01033	.01678	.00943	.01712	.06707	.01010	.02610	.01822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8375.5**	**113380.**	**6473.9**
Stddev	8.1	321.	6.3
%RSD	.09666	.28334	.09661
#1	8369.7	113600.	6469.5
#2	8381.2	113150.	6478.3

Sample Name: 280-48901-e-8-a Acquired: 11/12/2013 0:08:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.03308**	**.00235**	**.65334**	**.12059**	**-.00002**	**-.00386**	**144.44**	**.00072**	**.00078**
Stddev	.00031	.00028	.00184	.00628	.00180	.00007	.00126	.48	.00011	.00000
%RSD	54.147	.84447	78.162	.96076	1.4959	274.78	32.483	.32982	14.965	.01790
#1	.00035	.03328	.00105	.64891	.12186	-.00007	-.00298	144.78	.00065	.00078
#2	.00079	.03288	.00365	.65778	.11931	.00002	-.00475	144.10	.00080	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00318**	**1.0465**	**5.2257**	**.02785**	**55.745**	**.59996**	**.00379**	**107.27**	**.00658**
Stddev	.00002	.00019	.0254	.0186	.00015	.192	.00165	.00006	.04	.00006
%RSD	7.3281	5.9091	2.4293	.35521	.54930	.34524	.27439	1.5738	.04011	.84907
#1	.00026	.00331	1.0645	5.2126	.02796	55.609	.59880	.00375	107.24	.00662
#2	.00024	.00305	1.0285	5.2388	.02775	55.882	.60112	.00383	107.30	.00655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69348**	**-.00075**	**41.255**	**-.00255**	**-.00167**	**11.719**	**25.078**	**.00013**	**1.5938**	**-.00251**
Stddev	.00708	.00100	.191	.00223	.00374	.163	.349	.00057	.0022	.00042
%RSD	1.0207	133.25	.46326	87.472	224.18	1.3937	1.3937	424.23	.13721	16.620
#1	.68847	-.00004	41.120	-.00413	.00098	11.834	25.325	-.00027	1.5953	-.00280
#2	.69848	-.00146	41.390	-.00097	-.00432	11.603	24.831	.00054	1.5922	-.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00023**	**-.00649**	**.00138**	**.00803**	**.00267**
Stddev	.00044	.00005	.00628	.00014	.00001	.00108
%RSD	93.009	20.149	96.739	10.426	.07676	40.270
#1	.00078	.00020	-.01093	.00128	.00802	.00191
#2	.00016	.00026	-.00205	.00148	.00803	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7954.3**	**107350.**	**6575.2**
Stddev	33.7	226.	13.3
%RSD	.42376	.21027	.20232
#1	7978.1	107510.	6584.6
#2	7930.4	107190.	6565.8

Sample Name: 280-48901-e-9-a Acquired: 11/12/2013 0:10:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00946	.00548	.31942	.03041	-.00005	-.00023	76.699	.00039	.00202
Stddev	.00010	.00010	.00059	.00071	.00041	.00003	.00067	.095	.00010	.00014
%RSD	39.776	1.0314	10.793	.22181	1.3482	72.811	288.42	.12380	24.298	6.9336
#1	.00018	.00939	.00590	.31892	.03070	-.00002	-.00071	76.632	.00046	.00192
#2	.00032	.00952	.00506	.31992	.03012	-.00007	.00024	76.766	.00033	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.00359	.14388	68.739	.28366	39.160	.06942	.00763	164.53	.00218
Stddev	.00024	.00057	.00031	.090	.00008	.005	.00017	.00005	.22	.00049
%RSD	36.399	16.027	.21880	.13160	.02709	.01361	.24002	.60863	.13388	22.368
#1	.00049	.00399	.14410	68.675	.28361	39.164	.06930	.00767	164.69	.00183
#2	.00083	.00318	.14366	68.803	.28372	39.156	.06954	.00760	164.38	.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02918	-.00103	108.60	-.00159	-.00020	5.9969	12.833	.00093	2.9285	-.00339
Stddev	.00037	.00086	.02	.00032	.00104	.0231	.050	.00009	.0044	.00073
%RSD	1.2848	83.458	.02047	20.231	519.88	.38583	.38583	9.5395	.15035	21.589
#1	.02891	-.00042	108.59	-.00136	.00054	5.9806	12.798	.00087	2.9316	-.00391
#2	.02944	-.00163	108.62	-.00181	-.00094	6.0133	12.868	.00100	2.9254	-.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	.00035	.00833	.00051	.00512	.00280
Stddev	.00008	.00081	.02426	.00042	.00017	.00091
%RSD	44.182	233.23	291.12	82.575	3.3207	32.516
#1	-.00022	.00092	.02549	.00021	.00500	.00344
#2	-.00012	-.00023	-.00882	.00080	.00524	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7964.2	106330.	6569.5
Stddev	.2	273.	47.3
%RSD	.00232	.25686	.71973
#1	7964.3	106140.	6602.9
#2	7964.1	106520.	6536.0

Sample Name: 280-48901-e-10-a Acquired: 11/12/2013 0:12:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00113**	**.00222**	**.00130**	**-.00013**	**-.00009**	**-.00107**	**.06793**	**.00004**	**.00009**
Stddev	.00015	.00014	.00034	.00008	.00015	.00005	.00399	.00400	.00008	.00009
%RSD	33.096	12.237	15.276	5.8136	116.41	53.380	371.74	5.8958	216.77	101.83
#1	.00055	-.00123	.00246	.00125	-.00002	-.00005	.00175	.07076	-.00002	.00015
#2	.00034	-.00104	.00198	.00135	-.00024	-.00012	-.00389	.06510	.00010	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00273**	**.00402**	**.05970**	**-.00129**	**.01225**	**.00027**	**-.00008**	**.10992**	**.00064**
Stddev	.00001	.00041	.00055	.02041	.00093	.00163	.00005	.00012	.01769	.00031
%RSD	5.8971	15.025	13.683	34.189	72.478	13.282	17.794	159.86	16.096	48.513
#1	.00019	.00244	.00363	.07414	-.00195	.01340	.00030	.00001	.12243	.00042
#2	.00020	.00302	.00441	.04527	-.00063	.01110	.00023	-.00017	.09741	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00397**	**-.00112**	**.04445**	**-.00225**	**-.00128**	**.01395**	**.02985**	**.00063**	**.00093**	**-.00200**
Stddev	.00079	.00059	.00287	.00107	.00018	.01117	.02390	.00008	.00030	.00053
%RSD	20.008	52.750	6.4500	47.703	13.918	80.079	80.079	12.786	32.211	26.329
#1	-.00453	-.00070	.04648	-.00301	-.00141	.00605	.01295	.00057	.00115	-.00237
#2	-.00341	-.00153	.04243	-.00149	-.00116	.02185	.04676	.00069	.00072	-.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.00036**	**.02108**	**.00022**	**.00378**	**.00011**
Stddev	.00028	.00026	.00355	.00037	.00008	.00005
%RSD	94.584	72.559	16.858	166.10	2.0011	44.844
#1	-.00010	-.00017	.01857	.00048	.00383	.00015
#2	-.00050	-.00054	.02360	-.00004	.00373	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8545.3**	**116590.**	**6679.3**
Stddev	33.2	342.	3.4
%RSD	.38864	.29301	.05036
#1	8521.8	116830.	6676.9
#2	8568.8	116350.	6681.6

Sample Name: 280-48903-e-1-a Acquired: 11/12/2013 0:14:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.21767**	**.00194**	**.05229**	**.14002**	**-.00008**	**-.00173**	**95.056**	**.00039**	**.00034**
Stddev	.00056	.00120	.00159	.00064	.00060	.00002	.00032	.414	.00002	.00004
%RSD	87.526	.55215	81.810	1.2175	.42646	18.646	18.295	.43599	5.8570	12.897
#1	.00104	.21682	.00082	.05274	.14044	-.00009	-.00195	95.349	.00038	.00031
#2	.00024	.21852	.00306	.05184	.13960	-.00007	-.00151	94.763	.00041	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00216**	**.20966**	**4.8681**	**.00730**	**10.901**	**.08580**	**.00166**	**35.802**	**.00251**
Stddev	.00001	.00067	.00452	.0208	.00105	.004	.00007	.00000	.457	.00014
%RSD	2.8212	31.032	2.1575	.42791	14.397	.03525	.08112	.02640	1.2778	5.5404
#1	.00046	.00263	.21286	4.8533	.00656	10.903	.08575	.00166	36.125	.00241
#2	.00044	.00168	.20646	4.8828	.00804	10.898	.08585	.00166	35.478	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18481**	**.00003**	**19.677**	**-.00169**	**-.00006**	**6.5011**	**13.912**	**-.00026**	**.43729**	**-.00135**
Stddev	.00033	.00000	.015	.00011	.00487	.0823	.176	.00037	.00109	.00135
%RSD	.18126	15.055	.07691	6.6845	7896.1	1.2658	1.2658	141.57	.24998	99.851
#1	.18457	.00004	19.666	-.00161	-.00351	6.5593	14.037	-.00052	.43807	-.00231
#2	.18504	.00003	19.687	-.00177	.00339	6.4429	13.788	.00000	.43652	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00507**	**.00009**	**.03665**	**.00185**	**.00465**	**.00275**
Stddev	.00046	.00014	.00709	.00042	.00018	.00115
%RSD	9.0094	158.79	19.357	22.534	3.8958	41.757
#1	.00474	.00019	.04166	.00155	.00452	.00194
#2	.00539	-.00001	.03163	.00214	.00478	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8202.3**	**110860.**	**6754.4**
Stddev	11.3	113.	9.4
%RSD	.13717	.10197	.13978
#1	8194.4	110940.	6747.7
#2	8210.3	110780.	6761.0

Sample Name: 280-48903-e-2-a Acquired: 11/12/2013 0:17:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.21239	.00264	.05879	.12437	-.00007	-.00194	104.85	.00024	.00034
Stddev	.00036	.00007	.00092	.00007	.00053	.00001	.00026	.11	.00038	.00014
%RSD	65.959	.03369	34.858	.12343	.42235	18.174	13.656	.10315	157.11	40.652
#1	.00080	.21244	.00199	.05874	.12400	-.00006	-.00212	104.92	.00051	.00024
#2	.00029	.21234	.00329	.05884	.12474	-.00008	-.00175	104.77	-.00003	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00244	.34789	4.7760	.00977	14.616	.32670	.00229	32.520	.00282
Stddev	.00016	.00066	.00176	.0344	.00375	.005	.00061	.00002	.062	.00018
%RSD	33.897	27.229	.50615	.71936	38.331	.03162	.18591	1.0131	.19038	6.4082
#1	.00058	.00197	.34665	4.7517	.01242	14.613	.32627	.00230	32.564	.00269
#2	.00035	.00291	.34914	4.8003	.00712	14.620	.32713	.00227	32.476	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18740	-.00048	35.157	-.00174	.00640	6.2479	13.371	.00013	.51823	-.00011
Stddev	.00004	.00051	.028	.00021	.00014	.0200	.043	.00005	.00097	.00036
%RSD	.02348	106.00	.07947	11.768	2.1887	.31971	.31971	36.880	.18741	327.99
#1	.18743	-.00085	35.137	-.00160	.00630	6.2620	13.401	.00017	.51892	.00015
#2	.18737	-.00012	35.176	-.00189	.00650	6.2338	13.340	.00010	.51754	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00431	.00013	.02051	.00165	.00776	.00305
Stddev	.00048	.00007	.01011	.00013	.00030	.00234
%RSD	11.160	56.666	49.287	7.8356	3.8915	76.732
#1	.00465	.00008	.02766	.00174	.00755	.00140
#2	.00397	.00018	.01337	.00156	.00797	.00471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8173.9	111340.	6732.7
Stddev	31.8	905.	2.8
%RSD	.38885	.81315	.04184
#1	8151.4	111980.	6730.7
#2	8196.4	110700.	6734.7

Sample Name: 280-48903-e-4-a Acquired: 11/12/2013 0:19:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.27262**	**.00132**	**.05145**	**.14051**	**-.00004**	**-.00199**	**95.142**	**.00031**	**.00042**
Stddev	.00006	.00001	.00014	.00009	.00082	.00005	.00178	.081	.00000	.00034
%RSD	12.397	.00451	10.718	.18438	.58547	135.21	89.248	.08468	.73423	82.350
#1	.00049	.27261	.00122	.05139	.13993	.00000	-.00325	95.199	.00031	.00066
#2	.00041	.27263	.00141	.05152	.14109	-.00008	-.00073	95.085	.00030	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00190**	**.27503**	**4.9005**	**.00652**	**10.839**	**.08967**	**.00155**	**35.342**	**.00233**
Stddev	.00020	.00030	.00132	.0132	.00059	.000	.00007	.00010	.190	.00007
%RSD	39.739	15.984	.47844	.27017	9.0655	.00399	.07707	6.7842	.53739	3.0323
#1	.00037	.00168	.27596	4.9099	.00693	10.839	.08972	.00162	35.476	.00228
#2	.00066	.00211	.27410	4.8912	.00610	10.838	.08962	.00147	35.207	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18310**	**-.00022**	**19.616**	**-.00100**	**-.00116**	**6.6171**	**14.161**	**-.00016**	**.43687**	**-.00169**
Stddev	.00253	.00111	.038	.00131	.00004	.0713	.153	.00029	.00051	.00225
%RSD	1.3843	510.17	.19370	130.41	3.2774	1.0772	1.0772	179.50	.11631	133.13
#1	.18490	-.00100	19.589	-.00193	-.00119	6.6675	14.268	.00004	.43651	-.00010
#2	.18131	.00057	19.643	-.00008	-.00114	6.5667	14.053	-.00037	.43723	-.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00618**	**-.00018**	**.03654**	**.00236**	**.00465**	**.00294**
Stddev	.00018	.00116	.03930	.00036	.00058	.00051
%RSD	2.9403	653.88	107.54	15.334	12.414	17.232
#1	.00605	-.00099	.00875	.00262	.00424	.00258
#2	.00630	.00064	.06433	.00211	.00506	.00330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8281.2**	**111290.**	**6700.8**
Stddev	6.7	296.	11.3
%RSD	.08088	.26587	.16890
#1	8285.9	111500.	6692.8
#2	8276.4	111080.	6708.8

Sample Name: 280-48830-d-1-b Acquired: 11/12/2013 0:21:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.03434**	**.12141**	**4.5548**	**.70100**	**-.00002**	**-.00304**	**48.890**	**.00106**	**.01782**
Stddev	.00009	.00025	.00460	.0038	.00116	.00010	.00061	.002	.00018	.00009
%RSD	63.475	.72776	3.7884	.08345	.16609	424.43	20.206	.00321	16.847	.48521
#1	-.00020	.03416	.11816	4.5521	.70018	.00005	-.00260	48.889	.00118	.01776
#2	-.00008	.03452	.12466	4.5575	.70182	-.00010	-.00347	48.891	.00093	.01788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03573**	**.00330**	**7.6678**	W **396.07**	**.23606**	**98.515**	**.05260**	**.00242**	RW **1477.2**	**.10312**
Stddev	.00025	.00028	.0369	.73	.00174	.766	.00008	.00000	2.2	.00046
%RSD	.68956	8.3485	.48062	.18509	.73537	.77725	.14392	.05201	.14901	.44202
#1	.03590	.00349	7.6938	395.55	.23483	99.056	.05266	.00242	1475.7	.10344
#2	.03556	.00310	7.6417	396.59	.23729	97.973	.05255	.00242	1478.8	.10280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2728**	**-.00039**	**11.717**	**.00043**	**-.00052**	**9.7743**	**20.917**	**.00524**	**.81628**	**-.00536**
Stddev	.0088	.00022	.014	.00172	.00282	.0223	.048	.00008	.00201	.00056
%RSD	.26790	57.486	.11567	395.08	544.88	.22839	.22839	1.4488	.24564	10.504
#1	3.2666	-.00055	11.726	-.00078	-.00252	9.7901	20.951	.00519	.81486	-.00496
#2	3.2790	-.00023	11.707	.00165	.00148	9.7585	20.883	.00530	.81769	-.00575
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04316**	**-.00098**	**.01355**	**.06254**	**.03637**	**.08106**
Stddev	.00075	.00079	.02843	.00020	.00060	.00142
%RSD	1.7428	80.255	209.89	.31526	1.6620	1.7523
#1	.04263	-.00153	-.00656	.06268	.03680	.08206
#2	.04370	-.00042	.03365	.06240	.03594	.08005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7469.9**	**98146.**	**6658.0**
Stddev	28.8	964.	21.4
%RSD	.38572	.98239	.32178
#1	7490.3	97464.	6642.8
#2	7449.5	98827.	6673.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 0:24:49 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00768**	**51.821**	**.00251**	**.00558**	**-.00009**	**-.00011**	F **1.1081**	**.01995**	**-.00021**	**-.00035**	**.00009**	**.01247**
Stddev	.00015	.045	.00359	.00071	.00016	.00002	.0010	.00266	.00012	.00006	.00003	.00033
%RSD	1.9850	.08663	142.65	12.797	176.53	19.847	.08836	13.315	55.859	15.979	35.256	2.6765
#1	.00778	51.789	.00505	.00608	-.00021	-.00013	1.1074	.02183	-.00030	-.00031	.00007	.01271
#2	.00757	51.853	-.00002	.00507	.00002	-.00010	1.1087	.01807	-.00013	-.00039	.00011	.01223
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.422**	**.36988**	**-.00183**	**.08783**	**.00084**	**-.00010**	**269.70**	**-.00017**	**.01013**	**.00048**	W **5.2727**	**.00085**
Stddev	.034	.02048	.00083	.00048	.00003	.00009	.23	.00025	.00251	.00105	.0271	.00040
%RSD	.06780	5.5363	45.307	.54088	3.7183	91.033	.08501	149.74	24.797	218.09	.51475	47.149
#1	50.398	.38436	-.00242	.08817	.00082	-.00003	269.54	-.00035	.01191	.00122	5.2535	.00057
#2	50.446	.35540	-.00125	.08750	.00086	-.00016	269.86	.00001	.00836	-.00026	5.2919	.00113
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00352**	**.10038**	**.21480**	**.00035**	**.00034**	**5.0315**	**-.01362**	**.00107**	F **6.4185**	**.00178**	**.00136**	**.06506**
Stddev	.00090	.03806	.08146	.00002	.00022	.0114	.00003	.00031	.0104	.00026	.00041	.00230
%RSD	25.545	37.921	37.921	5.8836	64.193	.22573	.23947	28.543	.16250	14.761	29.935	3.5368
#1	-.00288	.12729	.27240	.00034	.00019	5.0235	-.01365	.00129	6.4259	.00159	.00107	.06343
#2	-.00416	.07346	.15721	.00037	.00050	5.0396	-.01360	.00085	6.4111	.00196	.00165	.06668
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.6**	**108500.**	**6589.9**
Stddev	1.3	174.	32.0
%RSD	.01613	.16004	.48566
#1	8118.5	108620.	6612.5
#2	8116.7	108370.	6567.3

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:27:12 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52635**	F **.56641**	**1.0429**	**.53105**	**.52179**	**.50825**	**-.00304**	**5.2630**	**.52746**	**.52316**	**.52849**	**.53101**	**2.5721**
Stddev	.00052	.00161	.0022	.00130	.00125	.00146	.00016	.0006	.00083	.00003	.00047	.00069	.0070
%RSD	.09847	.28382	.21458	.24494	.23872	.28743	5.3310	.01241	.15673	.00587	.08962	.13052	.27320
#1	.52598	.56754	1.0445	.53013	.52267	.50929	-.00315	5.2635	.52688	.52318	.52883	.53052	2.5771
#2	.52672	.56527	1.0414	.53197	.52091	.50722	-.00292	5.2626	.52805	.52313	.52816	.53150	2.5671
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.835**	**1.0361**	**20.872**	**.51347**	**.53368**	F **5.6334**	**.53224**	**1.0682**	**1.0736**	**.02374**	**1.0532**	**1.0619**	**5.2350**
Stddev	.050	.0003	.010	.00037	.00342	.0000	.00020	.0076	.0084	.00044	.0003	.0006	.0156
%RSD	.09260	.02448	.04573	.07287	.64164	.00004	.03824	.70809	.77915	1.8671	.02671	.06109	.29885
#1	53.871	1.0362	20.879	.51373	.53610	5.6334	.53238	1.0735	1.0795	.02405	1.0530	1.0615	5.2239
#2	53.800	1.0359	20.865	.51321	.53125	5.6334	.53209	1.0628	1.0676	.02342	1.0534	1.0624	5.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.203**	**1.0742**	**.51968**	**-.00668**	**.50880**	**1.0735**	**.01235**	**.51905**	**.52717**	**.51736**
Stddev	.033	.0016	.00033	.00020	.00014	.0008	.00418	.00092	.00458	.00172
%RSD	.29885	.15056	.06259	3.0557	.02843	.07720	33.844	.17637	.86786	.33283
#1	11.179	1.0730	.51991	-.00654	.50869	1.0741	.00939	.51970	.53041	.51857
#2	11.227	1.0753	.51945	-.00683	.50890	1.0730	.01530	.51841	.52394	.51614
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.3**	**111080.**	**6500.9**
Stddev	3.0	312.	75.2
%RSD	.03605	.28046	1.1574
#1	8258.4	110860.	6554.2
#2	8254.2	111300.	6447.7

Sample Name: CCB Acquired: 11/12/2013 0:29:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00295**	**.00006**	**.00193**	**.00022**	**.00009**	**.00078**	**.01426**	**.00000**	**.00017**	**-.00006**
Stddev	.00035	.00114	.00017	.00014	.00019	.00001	.00009	.00201	.0001	.00005	.00009
%RSD	55.750	38.500	303.20	7.4293	83.302	6.2348	11.451	14.088	1201.4	29.023	148.94
#1	.00088	-.00376	-.00006	.00183	.00036	.00009	.00084	.01568	-.00004	.00013	-.00013
#2	.00038	-.00215	.00018	.00204	.00009	.00008	.00071	.01284	.00003	.00020	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00242**	**.12066**	W **-.00262**	**.00640**	**.00012**	**.00041**	W **.13603**	**.00011**	**.00000**	**-.00094**
Stddev	.00023	.00073	.00900	.00226	.00156	.00004	.00002	.01248	.00033	.0003	.00012
%RSD	114.15	30.337	7.4610	86.322	24.444	31.085	5.9290	9.1759	306.05	12436.	12.716
#1	.00037	.00294	.12703	-.00422	.00750	.00014	.00040	.12720	.00035	.00024	-.00086
#2	.00004	.00190	.11429	-.00102	.00529	.00009	.00043	.14486	-.00013	-.00024	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02141**	W **.00569**	**-.00042**	W **.04921**	**.10530**	**.00059**	**.00017**	**.00167**	**-.00049**	**.00032**	**-.02364**
Stddev	.00079	.00362	.00198	.00729	.01561	.00058	.00007	.00048	.00007	.00082	.02331
%RSD	3.7032	63.546	468.50	14.820	14.820	99.266	42.070	28.572	13.434	257.76	98.622
#1	.02085	.00313	.00098	.05436	.11634	.00100	.00022	.00201	-.00054	-.00026	-.00715
#2	.02197	.00825	-.00183	.04405	.09427	.00017	.00012	.00133	-.00044	.00090	-.04012
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470							
Low Limit		-.00314		-.06940							

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00022**	**.00345**	W **.00345**
Stddev	.00000	.00004	.00022
%RSD	1.5662	1.2548	6.4532
#1	.00022	.00348	.00361
#2	.00022	.00342	.00330
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8222.5**	**111020.**	**6483.7**
Stddev	2.2	166.	87.0
%RSD	.02629	.14997	1.3421
#1	8224.0	110900.	6545.2
#2	8221.0	111140.	6422.1

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:31:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01116**	**.11064**	**.01443**	**.10309**	**.01043**	**.00102**	**.12477**	**.21912**	**.00529**	**.01078**	**.01062**	**.01652**	**.10466**
Stddev	.00015	.00025	.00125	.00026	.00020	.00012	.00084	.00210	.00003	.00007	.00003	.00045	.00029
%RSD	1.3223	.22627	8.6821	.25047	1.8978	11.403	.67628	.95719	.52272	.63918	.24978	2.7208	.28142
#1	.01126	.11081	.01531	.10291	.01057	.00094	.12537	.21763	.00531	.01083	.01060	.01684	.10487
#2	.01105	.11046	.01354	.10328	.01029	.00111	.12417	.22060	.00527	.01073	.01064	.01620	.10445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2820**	**.00822**	**.21241**	**.01037**	**.02065**	**1.1272**	**.04372**	**3.0318**	**.00947**	**.02100**	**.00991**	**.01540**	**.52685**
Stddev	.0066	.00115	.00308	.00002	.00002	.0045	.00015	.0004	.00057	.00083	.00094	.00182	.00705
%RSD	.20139	13.979	1.4490	.23454	.08932	.39665	.33592	.01265	6.0443	3.9701	9.4459	11.815	1.3384
#1	3.2867	.00741	.21459	.01035	.02063	1.1241	.04361	3.0315	.00987	.02041	.01057	.01411	.52186
#2	3.2774	.00903	.21023	.01038	.02066	1.1304	.04382	3.0320	.00906	.02159	.00924	.01669	.53184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1275**	**.10796**	**.01033**	**.01428**	**.00984**	**.01627**	F **.08625**	**.01033**	**.02463**	**.01676**
Stddev	.0151	.00016	.00003	.00048	.00001	.00057	.00443	.00043	.00003	.00175
%RSD	1.3384	.14602	.33429	3.3312	.14403	3.5243	5.1323	4.1968	.13401	10.426
#1	1.1168	.10785	.01031	.01394	.00983	.01586	.08938	.01064	.02465	.01799
#2	1.1381	.10807	.01035	.01461	.00985	.01667	.08312	.01003	.02460	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8412.7**	**113720.**	**6547.1**
Stddev	.3	356.	24.4
%RSD	.00398	.31268	.37208
#1	8413.0	113460.	6564.3
#2	8412.5	113970.	6529.9

Sample Name: mb 280-199865/1-a Acquired: 11/12/2013 0:33:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00073**	**.00076**	**.00105**	**-.00037**	**.00000**	**-.00096**	**.01689**	**.00006**	**.00030**
Stddev	.00008	.00005	.00069	.00020	.00003	.0000	.00042	.00290	.00011	.00001
%RSD	12.564	6.7822	91.487	19.306	7.1826	1112.7	44.066	17.174	172.28	3.1568
#1	.00057	-.00076	.00125	.00091	-.00036	-.00004	-.00126	.01894	-.00001	.00030
#2	.00068	-.00069	.00027	.00119	-.00039	.00003	-.00066	.01484	.00014	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	W **.00190**	**.00381**	**.01928**	**-.00080**	**.00215**	W **.00023**	**.00005**	**.03687**	**.00050**
Stddev	.0001	.00047	.00243	.00536	.00088	.00142	.00005	.00045	.00839	.00002
%RSD	1851.1	24.836	63.724	27.800	109.93	66.196	21.629	926.25	22.766	3.8362
#1	.00005	.00223	.00209	.01549	-.00018	.00316	.00020	.00036	.04281	.00048
#2	-.00005	.00156	.00553	.02307	-.00142	.00114	.00027	-.00027	.03094	.00051
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00159					.00023			
Low Limit		-.00500					-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00251**	**-.00002**	F **.02310**	**-.00263**	**.00063**	F **.02454**	**.05251**	**.00077**	**-.00001**	W **.00002**
Stddev	.00055	.00084	.00163	.00060	.00488	.01345	.02877	.00001	.00002	.00135
%RSD	21.774	3557.7	7.0537	22.964	778.43	54.793	54.793	.96281	187.99	6866.5
#1	-.00290	-.00062	.02425	-.00306	-.00283	.01503	.03217	.00078	-.00002	-.00093
#2	-.00213	.00057	.02195	-.00220	.00408	.03405	.07286	.00077	.00000	.00097
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**-.00089**	**.00531**	**.00020**	**.00316**	**.00272**
Stddev	.00027	.00024	.00060	.00042	.00051	.00083
%RSD	29.800	26.618	11.269	210.80	16.002	30.712
#1	-.00072	-.00105	.00574	.00050	.00280	.00213
#2	-.00111	-.00072	.00489	-.00010	.00352	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8438.8**	**113760.**	**6554.5**
Stddev	66.2	363.	24.0
%RSD	.78499	.31912	.36588
#1	8392.0	113500.	6537.5
#2	8485.7	114010.	6571.4

Sample Name: lcs 280-199865/2-a Acquired: 11/12/2013 0:36:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05225**	**2.0572**	**1.0196**	**1.0389**	**2.0463**	**.04949**	**2.3397**	**49.262**	**.10887**	**.50354**
Stddev	.00059	.0054	.0060	.0027	.0216	.00012	.0037	.432	.00061	.00000
%RSD	1.1285	.26162	.58463	.26336	1.0549	.24481	.15589	.87655	.56137	.00070
#1	.05267	2.0610	1.0238	1.0408	2.0311	.04940	2.3423	48.956	.10930	.50354
#2	.05183	2.0534	1.0154	1.0370	2.0616	.04957	2.3372	49.567	.10844	.50353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20939**	**.26639**	**.98095**	**52.584**	**1.0170**	**51.058**	**.50240**	**1.0595**	**54.816**	**.51039**
Stddev	.00031	.00042	.00617	.651	.0123	.209	.00226	.0046	.337	.00171
%RSD	.14856	.15901	.62876	1.2384	1.2099	.40889	.44978	.43810	.61487	.33540
#1	.20961	.26609	.97659	52.123	1.0083	50.911	.50080	1.0628	54.577	.51160
#2	.20917	.26669	.98531	53.044	1.0257	51.206	.50399	1.0563	55.054	.50918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.515**	**.50512**	**.01040**	**.50550**	**2.0458**	**9.9810**	**21.359**	**2.0958**	**1.0170**	**1.0213**
Stddev	.039	.00086	.00242	.00142	.0047	.0388	.083	.0054	.0108	.0069
%RSD	.36702	.16939	23.270	.28042	.22959	.38900	.38900	.25678	1.0614	.67478
#1	10.543	.50572	.00869	.50651	2.0492	9.9536	21.301	2.0997	1.0094	1.0164
#2	10.488	.50451	.01212	.50450	2.0425	10.008	21.418	2.0920	1.0247	1.0261
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0180**	**2.0021**	**2.2151**	**.51717**	**.50810**	**.52293**
Stddev	.0056	.0015	.0209	.00040	.00199	.00148
%RSD	.55196	.07639	.94552	.07719	.39125	.28322
#1	1.0140	2.0032	2.2003	.51689	.50669	.52188
#2	1.0219	2.0010	2.2300	.51745	.50951	.52398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.4**	**108650.**	**6599.7**
Stddev	17.9	476.	43.4
%RSD	.22149	.43771	.65718
#1	8073.7	108990.	6630.3
#2	8099.1	108320.	6569.0

Sample Name: 280-48905-a-2-a Acquired: 11/12/2013 0:38:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.53975**	**.00200**	**.22545**	**.09269**	**.00007**	**.00337**	**70.981**	**.00044**	**.00092**
Stddev	.00025	.00561	.00151	.00392	.00032	.00005	.00066	.158	.00014	.00001
%RSD	38.581	1.0399	75.454	1.7372	.34550	68.759	19.494	.22229	32.394	.83201
#1	.00084	.54372	.00306	.22822	.09291	.00011	.00291	71.092	.00054	.00091
#2	.00048	.53578	.00093	.22268	.09246	.00004	.00383	70.869	.00034	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**.15755**	**6.6118**	**16.507**	**.03000**	**16.210**	**.08414**	**.00705**	**119.93**	**.00390**
Stddev	.00018	.00042	.0171	.063	.00114	.007	.00009	.00007	.24	.00040
%RSD	9.4982	.26955	.25898	.38016	3.8033	.04055	.11055	1.0241	.19798	10.318
#1	.00206	.15725	6.6239	16.551	.02920	16.206	.08420	.00710	120.10	.00418
#2	.00180	.15785	6.5997	16.462	.03081	16.215	.08407	.00700	119.76	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.8213**	**.00082**	**48.179**	**-.00345**	**.00050**	**2.3899**	**5.1144**	**.00306**	**.71645**	**-.00071**
Stddev	.0857	.00009	.800	.00123	.00408	.0130	.0279	.00010	.00139	.00295
%RSD	1.4719	10.967	1.6613	35.598	818.44	.54522	.54522	3.3494	.19441	415.61
#1	5.8819	.00076	48.745	-.00432	-.00239	2.3807	5.0947	.00313	.71744	-.00279
#2	5.7607	.00088	47.613	-.00258	.00338	2.3991	5.1341	.00299	.71547	.00137
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02752**	**-.00007**	**.02682**	**.00387**	**.11215**	**.00729**
Stddev	.00143	.00069	.02497	.00015	.00000	.00214
%RSD	5.1905	982.82	93.092	3.7596	.00273	29.366
#1	.02651	.00042	.04448	.00398	.11216	.00880
#2	.02853	-.00056	.00917	.00377	.11215	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.0**	**110330.**	**6799.0**
Stddev	81.1	297.	14.1
%RSD	.99915	.26941	.20706
#1	8057.7	110120.	6808.9
#2	8172.4	110540.	6789.0

Sample Name: 280-48905-a-2-aSD@5 Acquired: 11/12/2013 0:40:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.11680**	**.00397**	**.04463**	**.01820**	**-.00002**	**.00121**	**14.197**	**.00021**	**.00036**
Stddev	.00067	.00054	.00015	.00028	.00005	.00007	.00119	.118	.00005	.00004
%RSD	193.27	.46123	3.7779	.62429	.29518	319.43	98.407	.82904	23.186	11.949
#1	-.00013	.11642	.00386	.04443	.01816	-.00007	.00206	14.280	.00017	.00033
#2	.00082	.11718	.00408	.04482	.01824	.00003	.00037	14.113	.00024	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.03189**	**1.3270**	**3.3032**	**.00358**	**3.2823**	**.01703**	**.00129**	**23.914**	**.00147**
Stddev	.00013	.00046	.0154	.0572	.00014	.0001	.00011	.00018	.260	.00068
%RSD	33.997	1.4485	1.1581	1.7309	3.9959	.00387	.62539	13.711	1.0892	46.254
#1	.00030	.03222	1.3378	3.3436	.00348	3.2824	.01711	.00116	24.098	.00195
#2	.00049	.03157	1.3161	3.2628	.00368	3.2823	.01696	.00141	23.730	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1051**	**.00008**	**9.1854**	**-.00323**	**.00044**	**.47674**	**1.0202**	**.00272**	**.14272**	**-.00221**
Stddev	.0027	.00109	.0295	.00116	.00225	.01661	.0355	.00002	.00088	.00062
%RSD	.24299	1441.8	.32154	35.914	505.58	3.4834	3.4834	.72010	.61897	28.220
#1	1.1032	-.00069	9.1645	-.00241	.00203	.48848	1.0453	.00273	.14334	-.00265
#2	1.1070	.00085	9.2062	-.00405	-.00114	.46499	.99509	.00271	.14209	-.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.00034**	**.04639**	**.00092**	**.02702**	**.00349**
Stddev	.00086	.00117	.01913	.00027	.00006	.00044
%RSD	20.358	342.49	41.230	29.631	.20799	12.537
#1	.00363	-.00049	.03286	.00111	.02698	.00380
#2	.00485	.00117	.05991	.00072	.02706	.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8432.3**	**114020.**	**6733.4**
Stddev	5.4	420.	30.6
%RSD	.06353	.36818	.45384
#1	8436.1	113730.	6711.8
#2	8428.5	114320.	6755.0

Sample Name: 280-48905-a-2-b ms Acquired: 11/12/2013 0:42:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04677**	**2.4382**	W **2.6850**	**.93057**	**1.1332**	**1.9211**	**.04395**	F **2.0924**	**113.63**	**.09795**
Stddev	.00039	.0136	.0134	.00549	.0102	.0026	.00005	.0203	.08	.00086
%RSD	.82927	.55884	.49859	.58996	.89739	.13693	.11481	.97224	.06755	.87939
#1	.04649	2.4285	2.6944	.92669	1.1260	1.9192	.04399	2.0780	113.69	.09734
#2	.04704	2.4478	2.6755	.93446	1.1404	1.9229	.04391	2.1068	113.58	.09856
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44200**	**.18547**	**.38964**	**7.2988**	**63.687**	**.93964**	**60.605**	**.52235**	**.93950**	**166.53**
Stddev	.00280	.00127	.00055	.0077	.017	.00082	.128	.00029	.00554	.50
%RSD	.63339	.68474	.14076	.10603	.02675	.08760	.21178	.05523	.58929	.29740
#1	.44002	.18457	.38925	7.3043	63.675	.94022	60.696	.52215	.93558	166.18
#2	.44398	.18637	.39003	7.2934	63.699	.93906	60.515	.52256	.94341	166.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45299**	W **14.786**	**.43906**	**47.315**	**.44819**	**1.8455**	**11.562**	**24.742**	**1.7321**	**1.6180**
Stddev	.00398	.114	.00244	.362	.00574	.0091	.131	.280	.0114	.0014
%RSD	.87831	.76878	.55502	.76600	1.2806	.49048	1.1300	1.1300	.66066	.08840
#1	.45017	14.705	.43733	47.059	.44413	1.8391	11.654	24.940	1.7240	1.6190
#2	.45580	14.866	.44078	47.572	.45225	1.8519	11.469	24.544	1.7402	1.6170
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58192**	**.88824**	**1.6833**	**1.9735**	**.46106**	**.55479**	**.25285**
Stddev	.00041	.00214	.0116	.0240	.00175	.00191	.00272
%RSD	.07030	.24117	.68835	1.2172	.37985	.34471	1.0754
#1	.58163	.88975	1.6751	1.9565	.46229	.55615	.25477
#2	.58221	.88672	1.6915	1.9905	.45982	.55344	.25093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8060.4**	**107970.**	**6753.5**
Stddev	27.8	449.	10.3
%RSD	.34435	.41560	.15276
#1	8080.0	107660.	6746.2
#2	8040.8	108290.	6760.8

Sample Name: 280-48905-a-2-c msd Acquired: 11/12/2013 0:45:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04652**	**2.3318**	W **2.5671**	**.90190**	**1.1032**	**1.8445**	**.04239**	F **2.0229**	**110.55**	**.09468**
Stddev	.00004	.0039	.0135	.00139	.0095	.0071	.00011	.0183	.54	.00028
%RSD	.08982	.16837	.52518	.15465	.86393	.38727	.25987	.90251	.48508	.29936
#1	.04649	2.3346	2.5766	.90091	1.0964	1.8394	.04232	2.0100	110.17	.09448
#2	.04655	2.3290	2.5576	.90288	1.1099	1.8495	.04247	2.0358	110.93	.09488
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42565**	**.17909**	**.37942**	**7.1165**	**61.564**	**.90534**	**58.506**	**.50364**	**.90328**	**162.62**
Stddev	.00075	.00119	.00027	.0303	.185	.00856	.178	.00123	.00108	.62
%RSD	.17577	.66707	.07131	.42528	.29968	.94551	.30484	.24500	.11904	.38092
#1	.42512	.17825	.37961	7.0951	61.434	.89929	58.632	.50451	.90404	162.18
#2	.42618	.17994	.37923	7.1379	61.695	.91139	58.380	.50276	.90252	163.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43661**	W **14.296**	**.42357**	**46.571**	**.43426**	**1.7897**	**11.139**	**23.838**	**1.6663**	**1.5698**
Stddev	.00182	.010	.00317	.090	.00314	.0163	.081	.174	.0094	.0054
%RSD	.41697	.06896	.74767	.19421	.72348	.91123	.73028	.73028	.56471	.34135
#1	.43533	14.303	.42133	46.507	.43204	1.7782	11.081	23.714	1.6597	1.5660
#2	.43790	14.289	.42581	46.635	.43649	1.8012	11.197	23.961	1.6730	1.5736
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54607**	**.85542**	**1.6326**	**1.8827**	**.44305**	**.53421**	**.23328**
Stddev	.00026	.00128	.0077	.0488	.00018	.00205	.00007
%RSD	.04844	.14993	.47468	2.5909	.04060	.38445	.03049
#1	.54625	.85633	1.6271	1.9172	.44292	.53567	.23323
#2	.54588	.85452	1.6380	1.8482	.44317	.53276	.23333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8078.7**	**108430.**	**6788.6**
Stddev	11.8	211.	29.7
%RSD	.14610	.19418	.43809
#1	8070.3	108280.	6809.6
#2	8087.0	108580.	6767.6

Sample Name: 280-48905-a-4-a Acquired: 11/12/2013 0:47:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.02315**	**.00177**	**.20249**	**.03951**	**-.00011**	**-.00230**	**67.551**	**.00037**	**.00056**
Stddev	.00002	.00011	.00289	.00081	.00009	.00001	.00096	.031	.00005	.00003
%RSD	2.9222	.47634	163.88	.40134	.23203	8.4444	41.818	.04589	13.303	5.9865
#1	.00068	.02322	.00381	.20307	.03958	-.00011	-.00162	67.529	.00033	.00054
#2	.00065	.02307	-.00028	.20192	.03945	-.00010	-.00298	67.573	.00040	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.01468**	**.28592**	**15.007**	**.02514**	**15.320**	**.01830**	**.00544**	**113.60**	**.00206**
Stddev	.00000	.00001	.00014	.065	.00095	.052	.00010	.00004	.09	.00004
%RSD	1.4147	.05384	.04882	.43259	3.7931	.33983	.56427	.81947	.08139	2.0959
#1	.00028	.01468	.28582	14.961	.02446	15.357	.01837	.00541	113.54	.00209
#2	.00029	.01469	.28602	15.053	.02581	15.283	.01823	.00547	113.67	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35021**	**-.00062**	**46.275**	**-.00296**	**.00217**	**1.9065**	**4.0800**	**.00044**	**.66649**	**-.00232**
Stddev	.00317	.00014	.086	.00090	.00054	.0195	.0417	.00006	.00222	.00089
%RSD	.90476	22.095	.18638	30.454	24.661	1.0219	1.0219	14.424	.33370	38.518
#1	.34797	-.00072	46.336	-.00360	.00179	1.8928	4.0505	.00048	.66492	-.00169
#2	.35245	-.00053	46.214	-.00232	.00255	1.9203	4.1095	.00040	.66806	-.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00042**	**.01116**	**.00067**	**.04652**	**.00375**
Stddev	.00009	.00075	.00164	.00033	.00008	.00123
%RSD	12.810	177.55	14.689	49.660	.17610	32.729
#1	.00066	-.00011	.01232	.00043	.04646	.00461
#2	.00079	.00095	.01000	.00090	.04658	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8221.0**	**111440.**	**6802.8**
Stddev	2.7	36.	23.6
%RSD	.03324	.03248	.34734
#1	8222.9	111410.	6819.5
#2	8219.0	111460.	6786.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 0:49:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00769**	**51.211**	**-.00022**	**.00264**	**-.00025**	**-.00011**	W **1.0989**	**.04228**	**-.00034**	**-.00028**	**.00011**	**.01292**
Stddev	.00035	.205	.00127	.00019	.00039	.00009	.0008	.00694	.00015	.00006	.00000	.00016
%RSD	4.5497	.40050	564.28	7.0346	153.21	80.316	.07122	16.407	44.354	21.455	2.4063	1.2004
#1	.00794	51.356	-.00112	.00277	.00002	-.00005	1.0984	.04718	-.00045	-.00032	.00011	.01281
#2	.00744	51.066	.00067	.00251	-.00053	-.00017	1.0995	.03737	-.00024	-.00024	.00011	.01303
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.150**	**.09218**	**-.00226**	**.08654**	**.00080**	**-.00023**	**267.43**	**.00002**	**-.00044**	**-.00042**	**5.2263**	**.00078**
Stddev	.192	.00204	.00118	.00074	.00003	.00018	.83	.00008	.00042	.00145	.0006	.00035
%RSD	.38336	2.2131	52.015	.85131	3.8680	78.613	.30967	405.65	95.427	344.67	.01242	44.865
#1	50.014	.09362	-.00309	.08706	.00082	-.00036	268.01	.00008	-.00014	.00060	5.2268	.00103
#2	50.286	.09073	-.00143	.08602	.00078	-.00010	266.84	-.00004	-.00073	-.00144	5.2259	.00053
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**.02487**	**.05321**	**.00013**	**.00041**	**4.9762**	**-.01291**	**.00047**	F **6.3588**	**.00174**	**.00136**	**.06482**
Stddev	.00011	.02211	.04731	.00024	.00029	.0188	.00045	.00141	.0363	.00019	.00008	.00029
%RSD	4.0518	88.908	88.908	179.49	69.838	.37823	3.4819	297.63	.57094	10.749	6.1078	.45233
#1	-.00262	.04050	.08667	.00030	.00061	4.9895	-.01323	.00147	6.3844	.00161	.00142	.06502
#2	-.00278	.00923	.01976	-.00004	.00021	4.9629	-.01259	-.00052	6.3331	.00187	.00130	.06461
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8271.4**	**110700.**	**6716.8**
Stddev	7.0	248.	25.7
%RSD	.08487	.22438	.38311
#1	8276.4	110520.	6698.6
#2	8266.5	110870.	6735.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:51:55 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51413**	W **.55075**	**1.0199**	**.51599**	**.51008**	**.49648**	**-.00311**	**5.1066**	**.51390**	**.50979**	**.51691**	**.51545**
Stddev	.00100	.00110	.0067	.00056	.00371	.00449	.00094	.0026	.00239	.00075	.00011	.00196
%RSD	.19420	.20062	.65802	.10824	.72663	.90508	30.332	.05120	.46471	.14804	.02082	.38053
#1	.51342	.54997	1.0247	.51638	.51270	.49966	-.00244	5.1085	.51559	.51032	.51698	.51406
#2	.51483	.55153	1.0152	.51559	.50746	.49330	-.00378	5.1048	.51221	.50926	.51683	.51684
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4818**	**52.536**	**1.0166**	**20.459**	**.50076**	**.52199**	**5.3354**	**.52259**	**1.0327**	**1.0476**	**.02111**	**1.0210**
Stddev	.0019	.291	.0097	.004	.00063	.00262	.0701	.00338	.0087	.0067	.00205	.0112
%RSD	.07609	.55317	.95370	.02051	.12489	.50115	1.3144	.64652	.84084	.63973	9.7292	1.0940
#1	2.4832	52.741	1.0235	20.462	.50032	.52384	5.3850	.52498	1.0388	1.0523	.01965	1.0289
#2	2.4805	52.330	1.0097	20.456	.50121	.52014	5.2858	.52020	1.0265	1.0429	.02256	1.0131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0309**	**4.9454**	**10.583**	**1.0485**	**.50945**	**-.00486**	**.49495**	**1.0456**	**.00111**	**.50548**	**.51530**	**.49971**
Stddev	.0038	.0204	.044	.0026	.00357	.00210	.00066	.0034	.04190	.00122	.00145	.00145
%RSD	.37265	.41205	.41205	.25115	.70104	43.346	.13247	.32195	3766.6	.24050	.28080	.28919
#1	1.0336	4.9310	10.552	1.0466	.51198	-.00634	.49449	1.0480	.03074	.50462	.51428	.50073
#2	1.0281	4.9598	10.614	1.0504	.50693	-.00337	.49541	1.0432	-.02852	.50634	.51632	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.3**	**111680.**	**6548.2**
Stddev	85.5	244.	37.6
%RSD	1.0319	.21832	.57458
#1	8342.7	111510.	6574.8
#2	8221.9	111850.	6521.6

Sample Name: CCB Acquired: 11/12/2013 0:54:03 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00397**	**.00275**	**.00107**	**-.00011**	**-.00001**	**-.00030**	**.00910**	**-.00004**	**.00035**	**-.00004**
Stddev	.00059	.00037	.00041	.00006	.00009	.00001	.00015	.00250	.00005	.00006	.00014
%RSD	179.01	9.1882	14.713	5.3304	85.085	53.512	50.779	27.534	112.83	18.137	355.49
#1	.00075	-.00372	.00247	.00103	-.00017	-.00001	-.00041	.01087	-.00001	.00040	-.00014
#2	-.00009	-.00423	.00304	.00111	-.00004	-.00001	-.00019	.00732	-.00007	.00031	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00174**	**.09828**	W **-.00306**	**.00168**	**.00004**	**.00014**	**.00798**	**.00025**	**-.00407**	**-.00051**
Stddev	.00019	.00301	.04400	.00104	.00090	.00001	.00005	.00479	.00015	.00110	.00086
%RSD	94.157	172.95	44.773	33.823	53.364	21.078	37.713	60.024	60.149	27.050	168.20
#1	.00007	-.00039	.06716	-.00233	.00232	.00005	.00018	.01136	.00036	-.00485	-.00112
#2	.00033	.00387	.12939	-.00379	.00105	.00003	.00010	.00459	.00015	-.00329	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01830**	F **.00912**	**-.00324**	**.02653**	**.05678**	**.00001**	**.00017**	**.00053**	**-.00042**	**.00048**	**.03013**
Stddev	.00169	.00068	.00091	.01191	.02548	.00014	.00001	.00106	.00003	.00022	.01208
%RSD	9.2199	7.4076	27.990	44.879	44.879	1389.1	5.9339	199.21	6.1483	44.981	40.107
#1	.01949	.00864	-.00388	.01811	.03876	-.00009	.00017	-.00022	-.00040	.00064	.02158
#2	.01710	.00960	-.00260	.03495	.07480	.00011	.00018	.00128	-.00043	.00033	.03867
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00004**	**.00250**	**.00098**
Stddev	.00033	.00003	.00013
%RSD	912.78	1.1490	13.070
#1	.00019	.00248	.00107
#2	-.00027	.00252	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8367.7**	**112950.**	**6384.0**
Stddev	24.2	316.	10.7
%RSD	.28951	.27947	.16708
#1	8384.8	113180.	6376.4
#2	8350.5	112730.	6391.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:56:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.11238**	**.01818**	**.10284**	**.01022**	**.00099**	**.12673**	**.22007**	**.00522**	**.01089**	**.01063**	**.01621**	**.10600**
Stddev	.00078	.00021	.00037	.00005	.00012	.00010	.00101	.00040	.00019	.00009	.00001	.00026	.00055
%RSD	7.2404	.18922	2.0118	.04877	1.2124	10.530	.79743	.18272	3.5562	.78240	.13271	1.5928	.52177
#1	.01135	.11223	.01844	.10281	.01031	.00106	.12744	.21978	.00509	.01095	.01064	.01603	.10560
#2	.01025	.11253	.01792	.10288	.01013	.00092	.12601	.22035	.00535	.01083	.01062	.01640	.10639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2207**	**.00764**	**.21137**	**.01040**	**.02098**	**1.0696**	**.04337**	**3.0467**	**.00878**	**.02216**	F **.01303**	**.01422**	**.49025**
Stddev	.0343	.00303	.00104	.00003	.00014	.0015	.00010	.0018	.00001	.00407	.00380	.00288	.00996
%RSD	1.0649	39.648	.49112	.26334	.69039	.13649	.22301	.05958	.05827	18.366	29.165	20.226	2.0326
#1	3.2449	.00979	.21210	.01042	.02108	1.0706	.04344	3.0454	.00878	.02504	.01034	.01626	.49730
#2	3.1964	.00550	.21063	.01038	.02088	1.0686	.04330	3.0480	.00877	.01928	.01572	.01219	.48321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0491**	**.10838**	**.01026**	**.01329**	**.00944**	**.01724**	F **.08607**	**.01062**	**.02570**	**.01608**
Stddev	.0213	.00017	.00003	.00085	.00002	.00030	.03495	.00006	.00050	.00132
%RSD	2.0326	.16061	.24418	6.4037	.18898	1.7491	40.611	.61002	1.9360	8.2079
#1	1.0642	.10850	.01025	.01389	.00946	.01703	.06136	.01057	.02605	.01701
#2	1.0341	.10825	.01028	.01269	.00943	.01746	.11079	.01066	.02535	.01514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.6**	**112490.**	**6419.2**
Stddev	21.4	523.	57.3
%RSD	.25855	.46452	.89250
#1	8276.4	112120.	6459.7
#2	8306.8	112860.	6378.6

Sample Name: 280-48917-c-1-a Acquired: 11/12/2013 0:58:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**13.373**	**.00129**	**.81407**	**.02853**	**.00003**	**-.00092**	**103.06**	**.00019**	**.00049**
Stddev	.00021	.016	.00076	.00286	.00001	.00009	.00309	.15	.00002	.00016
%RSD	94.320	.11878	58.900	.35166	.02414	275.43	336.81	.14456	9.5578	32.076
#1	.00007	13.361	.00183	.81204	.02854	-.00003	.00127	102.96	.00018	.00038
#2	.00036	13.384	.00076	.81609	.02853	.00009	-.00310	103.17	.00021	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01592**	**.01477**	**.24312**	**2.4984**	**.01557**	**5.8357**	**.07853**	**.01128**	**23.553**	**.01210**
Stddev	.00018	.00038	.00247	.0122	.00300	.0144	.00036	.00007	.185	.00023
%RSD	1.1537	2.5517	1.0143	.48989	19.248	.24672	.46214	.65978	.78415	1.9269
#1	.01579	.01451	.24487	2.4897	.01769	5.8256	.07827	.01134	23.683	.01226
#2	.01605	.01504	.24138	2.5070	.01345	5.8459	.07879	.01123	23.422	.01193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06257**	**.00082**	**77.702**	**-.00239**	**.00122**	**.86061**	**1.8417**	**.00049**	**.23584**	**-.00134**
Stddev	.00107	.00065	.151	.00081	.00011	.01670	.0357	.00042	.00024	.00119
%RSD	1.7095	79.001	.19381	33.972	9.1101	1.9410	1.9410	85.830	.09983	88.999
#1	.06181	.00036	77.596	-.00296	.00115	.87242	1.8670	.00019	.23567	-.00050
#2	.06333	.00128	77.809	-.00181	.00130	.84880	1.8164	.00079	.23601	-.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00052**	**.03582**	**.00115**	**.01871**	**.00376**
Stddev	.00029	.00061	.03735	.00040	.00023	.00091
%RSD	135.43	117.09	104.26	34.661	1.2557	24.143
#1	.00001	.00095	.00941	.00143	.01887	.00312
#2	.00042	.00009	.06224	.00087	.01854	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8137.3**	**109550.**	**6710.2**
Stddev	3.7	180.	40.7
%RSD	.04491	.16390	.60587
#1	8139.9	109680.	6738.9
#2	8134.7	109430.	6681.4

Sample Name: 280-48922-f-1-a Acquired: 11/12/2013 1:00:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.16918**	**.00296**	**.01219**	**.06415**	**-.00004**	**-.00388**	**36.197**	**.00011**	**.00028**
Stddev	.00011	.00148	.00109	.00046	.00040	.00010	.00184	.006	.00011	.00028
%RSD	44.409	.87601	36.729	3.8031	.62920	244.99	47.531	.01703	100.65	99.344
#1	.00017	.17023	.00219	.01251	.06386	-.00012	-.00258	36.193	.00019	.00047
#2	.00032	.16813	.00372	.01186	.06443	.00003	-.00518	36.201	.00003	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00122**	**.19040**	**1.4318**	**.00509**	**8.3213**	**.01588**	**.00066**	**17.379**	**.00076**
Stddev	.00015	.00027	.00081	.0208	.00075	.0062	.00001	.00012	.057	.00007
%RSD	56.924	21.914	.42655	1.4490	14.776	.07493	.05757	18.216	.33051	8.9884
#1	.00036	.00141	.19097	1.4465	.00562	8.3257	.01589	.00057	17.420	.00080
#2	.00015	.00103	.18983	1.4171	.00456	8.3169	.01587	.00074	17.338	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	**-.00013**	**16.986**	**-.00348**	**-.00046**	**5.2036**	**11.136**	**.00001**	**.33864**	**-.00066**
Stddev	.00065	.00057	.023	.00037	.00128	.0554	.119	.00064	.00005	.00038
%RSD	25.040	424.31	.13525	10.625	279.29	1.0651	1.0651	5471.1	.01461	58.531
#1	.00212	.00027	17.002	-.00322	-.00136	5.1645	11.052	-.00044	.33860	-.00093
#2	.00303	-.00054	16.970	-.00374	.00045	5.2428	11.220	.00047	.33867	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**-.00045**	**.00396**	**.00097**	**.00347**	**.00318**
Stddev	.00008	.00032	.03760	.00046	.00006	.00183
%RSD	2.5864	72.346	950.00	47.546	1.7675	57.635
#1	.00294	-.00022	.03055	.00129	.00343	.00188
#2	.00305	-.00068	-.02263	.00064	.00352	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.3**	**112280.**	**6721.3**
Stddev	14.5	42.	25.5
%RSD	.17386	.03770	.37931
#1	8325.1	112310.	6739.3
#2	8345.6	112250.	6703.3

Sample Name: 280-48922-f-2-a Acquired: 11/12/2013 1:03:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.01366**	**.00111**	**.02284**	**.05187**	**-.00006**	**-.00325**	**93.417**	**.00035**	**.00021**
Stddev	.00041	.00057	.00194	.00023	.00032	.00003	.00011	.174	.00016	.00003
%RSD	101.62	4.1643	175.21	1.0048	.61905	58.099	3.3866	.18656	46.710	16.276
#1	.00011	.01406	-.00026	.02300	.05210	-.00004	-.00333	93.294	.00047	.00018
#2	.00069	.01326	.00247	.02268	.05165	-.00008	-.00317	93.541	.00024	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00208**	**.08336**	**6.0067**	**.07660**	**74.951**	**.02632**	**.00085**	**392.98**	**.00167**
Stddev	.00009	.00011	.00090	.0864	.00187	.099	.00000	.00025	.42	.00019
%RSD	128.92	5.0898	1.0755	1.4392	2.4468	.13157	.00212	30.014	.10591	11.435
#1	.00013	.00215	.08400	5.9456	.07528	74.882	.02632	.00103	392.69	.00181
#2	.00001	.00200	.08273	6.0679	.07793	75.021	.02632	.00067	393.28	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**-.00018**	F **217.92**	**.00009**	**.00045**	**4.6487**	**9.9482**	**-.00050**	**3.1674**	**-.00295**
Stddev	.00049	.00009	.02	.00014	.00106	.0013	.0028	.00052	.0058	.00041
%RSD	24.912	46.627	.00921	150.84	234.74	.02821	.02821	104.64	.18368	13.884
#1	.00162	-.00012	217.93	.00019	.00120	4.6496	9.9502	-.00087	3.1632	-.00266
#2	.00231	-.00024	217.90	-.00001	-.00030	4.6478	9.9463	-.00013	3.1715	-.00324
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00007**	**.02948**	**.00113**	**.00368**	**.00367**
Stddev	.00103	.00126	.03314	.00008	.00013	.00096
%RSD	417.78	1678.2	112.43	7.3963	3.6356	26.104
#1	.00097	.00081	.00604	.00108	.00378	.00299
#2	-.00048	-.00096	.05291	.00119	.00359	.00434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7768.3**	**103520.**	**6566.2**
Stddev	7.0	72.	3.9
%RSD	.09069	.06916	.05877
#1	7773.3	103570.	6563.5
#2	7763.3	103470.	6568.9

Sample Name: 280-48924-d-1-a Acquired: 11/12/2013 1:05:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00669	-.00162	.03063	-.00031	.00001	-.00130	.06891	-.00007	.00032
Stddev	.00018	.00012	.00049	.00033	.00004	.00002	.00070	.01066	.00011	.00006
%RSD	32.976	1.7965	30.020	1.0746	13.152	118.42	53.981	15.470	176.57	20.060
#1	.00066	.00660	-.00197	.03040	-.00034	.00000	-.00081	.07645	-.00015	.00028
#2	.00041	.00677	-.00128	.03086	-.00028	.00002	-.00180	.06137	.00002	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00364	.00027	.01791	.06806	-.00010	.00921	.00031	.00016	.21095	.00123
Stddev	.00007	.00026	.00039	.00559	.00163	.00700	.00009	.00025	.05046	.00007
%RSD	1.7920	94.674	2.1569	8.2195	1549.6	75.959	28.358	154.12	23.919	5.9508
#1	.00368	.00045	.01764	.06411	.00104	.01416	.00025	-.00001	.24662	.00118
#2	.00359	.00009	.01818	.07202	-.00125	.00426	.00038	.00034	.17527	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00233	.00045	.05042	-.00145	.00063	.02732	.05846	-.00031	.00106	.00067
Stddev	.00036	.00005	.00489	.00149	.00086	.00776	.01660	.00038	.00026	.00046
%RSD	15.600	12.215	9.6964	102.47	136.78	28.390	28.390	123.71	24.134	69.260
#1	-.00258	.00041	.05387	-.00250	.00002	.03280	.07020	-.00004	.00124	.00100
#2	-.00207	.00049	.04696	-.00040	.00123	.02183	.04672	-.00058	.00088	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00008	.00336	.00026	.00296	.00296
Stddev	.00002	.00107	.00655	.00021	.00052	.00049
%RSD	32.818	1418.7	195.11	79.364	17.454	16.731
#1	-.00008	.00068	-.00127	.00041	.00260	.00261
#2	-.00005	-.00084	.00799	.00011	.00333	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8478.8	116630.	6674.5
Stddev	43.5	36.	19.8
%RSD	.51321	.03081	.29695
#1	8448.0	116660.	6688.5
#2	8509.6	116610.	6660.4

Sample Name: 280-48924-d-2-a Acquired: 11/12/2013 1:08:00 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.08285**	**.00212**	**.02924**	**.10862**	**.00003**	**-.00192**	**30.606**	**.00022**	**.00222**
Stddev	.00029	.00025	.00212	.00009	.00063	.00008	.00091	.248	.00036	.00011
%RSD	52.676	.29698	100.25	.29340	.58140	290.10	47.387	.81022	163.43	5.0096
#1	.00034	.08302	.00362	.02930	.10906	-.00003	-.00256	30.431	-.00003	.00229
#2	.00075	.08267	.00062	.02918	.10817	.00008	-.00128	30.781	.00048	.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00224**	**.21893**	**7.2462**	**.11621**	**16.140**	**.09227**	**.00462**	W **554.67**	**.00301**
Stddev	.00006	.00009	.00226	.0656	.00015	.070	.00019	.00016	3.69	.00020
%RSD	7.4317	4.0376	1.0323	.90538	.13230	.43282	.20280	3.4711	.66463	6.5059
#1	.00083	.00218	.21734	7.1998	.11632	16.190	.09240	.00474	552.06	.00287
#2	.00075	.00231	.22053	7.2925	.11610	16.091	.09214	.00451	557.28	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01289**	**-.00018**	**25.633**	**-.00102**	**-.00142**	**3.3086**	**7.0805**	**.00034**	**3.0485**	**-.00410**
Stddev	.00334	.00040	.030	.00124	.00083	.0183	.0391	.00022	.0199	.00141
%RSD	25.922	221.24	.11560	121.85	58.299	.55238	.55238	62.779	.65150	34.482
#1	.01525	-.00046	25.654	-.00014	-.00083	3.3216	7.1082	.00050	3.0344	-.00310
#2	.01053	.00010	25.612	-.00189	-.00200	3.2957	7.0529	.00019	3.0625	-.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**.00056**	**.02630**	**.00099**	**.00581**	**.00373**
Stddev	.00046	.00080	.00525	.00019	.00020	.00102
%RSD	23.601	142.69	19.953	18.740	3.3997	27.222
#1	.00228	.00112	.03001	.00113	.00595	.00445
#2	.00163	-.00001	.02259	.00086	.00567	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7770.9**	**101900.**	**6456.3**
Stddev	15.0	753.	67.3
%RSD	.19256	.73879	1.0429
#1	7781.5	101370.	6503.9
#2	7760.3	102430.	6408.7

Sample Name: 280-48924-d-3-a Acquired: 11/12/2013 1:10:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.07793**	**.00055**	**.03024**	**.11051**	**-.00008**	**-.00340**	**31.444**	**.00038**	**.00254**
Stddev	.00059	.00018	.00256	.00002	.00066	.00005	.00093	.017	.00026	.00002
%RSD	211.03	.22545	462.96	.07075	.59592	60.269	27.462	.05472	66.858	.68817
#1	-.00069	.07781	-.00126	.03025	.11097	-.00011	-.00274	31.456	.00056	.00252
#2	.00014	.07806	.00237	.03022	.11004	-.00005	-.00406	31.432	.00020	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00189**	**.21532**	**7.6340**	**.11719**	**16.610**	**.09479**	**.00458**	W **570.69**	**.00306**
Stddev	.00015	.00038	.00130	.0441	.00151	.020	.00008	.00002	.58	.00006
%RSD	106.76	19.965	.60589	.57765	1.2908	.11918	.08751	.45122	.10216	1.8799
#1	.00003	.00216	.21624	7.6652	.11612	16.596	.09473	.00456	571.10	.00302
#2	.00024	.00163	.21440	7.6029	.11826	16.624	.09485	.00459	570.27	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01285**	**-.00025**	**26.359**	**-.00013**	**.00014**	**3.4224**	**7.3239**	**-.00027**	**3.1351**	**-.00295**
Stddev	.00014	.00014	.025	.00259	.00114	.0067	.0143	.00067	.0058	.00034
%RSD	1.0756	54.970	.09570	1955.9	804.27	.19496	.19496	243.64	.18623	11.545
#1	.01275	-.00015	26.377	.00170	.00095	3.4271	7.3340	.00020	3.1392	-.00319
#2	.01294	-.00035	26.341	-.00196	-.00067	3.4177	7.3138	-.00074	3.1310	-.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00022**	**.02016**	**.00071**	**.00557**	**.00299**
Stddev	.00017	.00046	.02629	.00044	.00014	.00028
%RSD	9.5066	208.31	130.43	62.351	2.4447	9.3408
#1	.00193	-.00010	.00157	.00040	.00547	.00280
#2	.00169	.00055	.03875	.00102	.00566	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7684.6**	**101060.**	**6473.7**
Stddev	54.9	533.	45.4
%RSD	.71433	.52738	.70158
#1	7723.4	101430.	6505.9
#2	7645.8	100680.	6441.6

Sample Name: 280-48944-c-1-a Acquired: 11/12/2013 1:12:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.13928**	**.00275**	**.03503**	**.01430**	**-.00007**	**-.00225**	**20.986**	**.00006**	**.00010**
Stddev	.00010	.00091	.00116	.00026	.00009	.00015	.00291	.018	.00009	.00009
%RSD	11.920	.65310	42.216	.74066	.61005	203.46	129.51	.08493	142.43	87.975
#1	.00093	.13993	.00193	.03485	.01436	.00003	-.00019	20.998	.00012	.00004
#2	.00078	.13864	.00357	.03521	.01423	-.00018	-.00430	20.973	.00000	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00774**	**.02570**	**.06788**	**.79322**	**-.00072**	**1.4455**	**.00173**	**.00051**	**5.6414**	**.00769**
Stddev	.00007	.00029	.00314	.04240	.00122	.0003	.00002	.00001	.0822	.00033
%RSD	.96147	1.1248	4.6214	5.3459	169.45	.02113	1.0472	1.0307	1.4570	4.2659
#1	.00769	.02550	.07010	.82321	.00014	1.4452	.00171	.00050	5.6995	.00792
#2	.00780	.02591	.06566	.76324	-.00159	1.4457	.00174	.00051	5.5833	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00941**	**-.00079**	**4.3063**	**-.00228**	**.00106**	**2.7063**	**5.7915**	**.00386**	**.05594**	**.00006**
Stddev	.00029	.00106	.0080	.00041	.00150	.0001	.0002	.00032	.00049	.00029
%RSD	3.0559	134.32	.18454	17.788	141.77	.00288	.00288	8.1670	.87570	492.44
#1	.00961	-.00154	4.3007	-.00257	.00212	2.7064	5.7916	.00364	.05629	-.00015
#2	.00920	-.00004	4.3119	-.00200	.00000	2.7062	5.7914	.00408	.05560	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00042**	**-.00477**	**.00077**	**.00674**	**.00205**
Stddev	.00024	.00090	.01759	.00032	.00013	.00000
%RSD	149.44	213.16	369.00	40.960	1.9341	.08160
#1	-.00001	.00021	-.01721	.00099	.00683	.00205
#2	.00034	-.00106	.00767	.00055	.00665	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8336.9**	**112490.**	**6465.6**
Stddev	3.9	61.	43.7
%RSD	.04658	.05457	.67663
#1	8334.2	112450.	6434.7
#2	8339.6	112540.	6496.5

Sample Name: 280-48888-b-2-a Acquired: 11/12/2013 1:15:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.11087**	**.00059**	**.17960**	**.05176**	**-.00015**	**-.00184**	**76.957**	**.00015**	**.00045**
Stddev	.00019	.00085	.00000	.00037	.00006	.00009	.00125	.022	.00006	.00003
%RSD	41.045	.76447	.34732	.20343	.11587	61.313	68.104	.02913	41.698	6.8783
#1	.00059	.11028	.00059	.17935	.05172	-.00008	-.00272	76.941	.00019	.00043
#2	.00033	.11147	.00059	.17986	.05181	-.00021	-.00095	76.972	.00011	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.01155**	**.31682**	**14.431**	**.02683**	**17.254**	**.02737**	**.00472**	**119.13**	**.00198**
Stddev	.00022	.00052	.00257	.056	.00038	.044	.00007	.00011	.07	.00043
%RSD	61.467	4.4772	.81259	.38579	1.4211	.25277	.25718	2.2887	.06200	21.642
#1	.00020	.01118	.31500	14.470	.02710	17.285	.02742	.00464	119.08	.00168
#2	.00051	.01191	.31864	14.391	.02656	17.224	.02732	.00479	119.18	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25989**	**.00047**	**47.630**	**-.00311**	**.00034**	**2.5019**	**5.3542**	**.00028**	**.76276**	**-.00058**
Stddev	.00139	.00014	.043	.00336	.00115	.0133	.0285	.00089	.00067	.00165
%RSD	.53374	30.050	.09034	108.08	340.58	.53155	.53155	322.76	.08783	284.78
#1	.25891	.00037	47.660	-.00548	-.00048	2.4925	5.3340	-.00035	.76228	-.00175
#2	.26087	.00056	47.600	-.00073	.00115	2.5114	5.3743	.00091	.76323	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**-.00045**	**-.01859**	**.00086**	**.03849**	**.00197**
Stddev	.00032	.00022	.00656	.00035	.00040	.00250
%RSD	10.738	48.829	35.319	40.652	1.0519	126.65
#1	.00280	-.00060	-.02323	.00061	.03820	.00021
#2	.00326	-.00029	-.01394	.00111	.03878	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7949.7**	**107350.**	**6461.1**
Stddev	40.3	157.	35.8
%RSD	.50748	.14647	.55351
#1	7978.3	107240.	6435.8
#2	7921.2	107460.	6486.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 1:17:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**51.917**	**-.00004**	**.00127**	**.00002**	**-.00013**	W **1.0833**	**.02897**	**-.00041**	**-.00028**	**.00010**	**.01238**
Stddev	.00021	.089	.00226	.00007	.00043	.00004	.0012	.00456	.00015	.00004	.00002	.00015
%RSD	2.5071	.17193	5329.2	5.6033	2375.6	32.287	.10619	15.742	36.483	16.230	22.808	1.2285
#1	.00846	51.854	.00155	.00132	-.00029	-.00016	1.0825	.03220	-.00052	-.00024	.00008	.01227
#2	.00817	51.980	-.00164	.00122	.00032	-.00010	1.0841	.02575	-.00031	-.00031	.00011	.01248
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.234**	**.07118**	**-.00152**	**.08685**	**.00074**	**-.00006**	**270.29**	**-.00016**	**-.00245**	**.00029**	**5.2047**	**.00145**
Stddev	.300	.02814	.00082	.00160	.00005	.00042	1.13	.00041	.00095	.00026	.0022	.00014
%RSD	.59740	39.542	53.968	1.8408	6.1182	653.83	.41816	246.83	38.761	90.096	.04269	9.6345
#1	50.447	.09108	-.00094	.08572	.00077	-.00036	271.09	-.00045	-.00178	.00011	5.2063	.00135
#2	50.022	.05127	-.00210	.08798	.00070	.00023	269.49	.00012	-.00313	.00048	5.2031	.00154
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00637**	**.02604**	**.05573**	**.00004**	**.00037**	**5.0393**	**-.01357**	**.00137**	F **6.3894**	**.00171**	**.00107**	**.05857**
Stddev	.00049	.00170	.00363	.00080	.00009	.0200	.00012	.00103	.0153	.00010	.00033	.00322
%RSD	7.6385	6.5132	6.5132	1901.7	23.768	.39723	.88630	75.728	.24014	5.5724	30.977	5.5033
#1	-.00602	.02484	.05316	.00061	.00043	5.0251	-.01365	.00063	6.4003	.00165	.00130	.06085
#2	-.00671	.02724	.05829	-.00052	.00031	5.0534	-.01348	.00210	6.3786	.00178	.00083	.05629
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.0**	**105400.**	**6294.1**
Stddev	54.9	401.	71.9
%RSD	.69109	.38044	1.1420
#1	7986.8	105690.	6344.9
#2	7909.1	105120.	6243.3

Sample Name: CCV-2372889 Acquired: 11/12/2013 1:19:51 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51263**	**.54628**	**1.0180**	**.51286**	**.51009**	**.49517**	**-.00383**	**5.1193**	**.51433**	**.51249**	**.51739**	**.51462**	**2.4878**
Stddev	.00152	.00026	.0018	.00095	.00008	.00079	.00106	.0293	.00007	.00076	.00083	.00255	.0212
%RSD	.29627	.04799	.17776	.18483	.01656	.15929	27.563	.57245	.01303	.14797	.15969	.49456	.85107
#1	.51156	.54609	1.0193	.51353	.51015	.49461	-.00458	5.1400	.51438	.51303	.51680	.51282	2.5027
#2	.51371	.54647	1.0167	.51219	.51003	.49573	-.00309	5.0986	.51428	.51196	.51797	.51642	2.4728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.816**	**1.0176**	**20.568**	**.50536**	**.52254**	**5.3597**	**.52047**	**1.0306**	**1.0498**	**.01629**	**1.0217**	**1.0264**	**4.9331**
Stddev	.067	.0016	.095	.00031	.00305	.0109	.00010	.0018	.0028	.00191	.0008	.0020	.0220
%RSD	.12689	.15512	.46186	.06056	.58343	.20340	.01918	.17447	.27060	11.723	.07372	.19281	.44607
#1	52.768	1.0188	20.635	.50515	.52038	5.3674	.52040	1.0293	1.0478	.01494	1.0222	1.0250	4.9486
#2	52.863	1.0165	20.501	.50558	.52470	5.3520	.52054	1.0318	1.0519	.01765	1.0212	1.0278	4.9175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.557**	**1.0472**	**.50747**	**-.00319**	**.49917**	**1.0470**	**.00775**	**.51041**	**.52297**	**.49883**
Stddev	.047	.0018	.00003	.00066	.00120	.0006	.00161	.00189	.00468	.00661
%RSD	.44607	.17108	.00539	20.760	.24115	.05410	20.753	.36963	.89470	1.3261
#1	10.590	1.0459	.50749	-.00366	.50002	1.0474	.00661	.51175	.52628	.50350
#2	10.523	1.0485	.50745	-.00272	.49832	1.0466	.00888	.50908	.51967	.49415
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.5**	**108920.**	**6275.0**
Stddev	16.2	634.	37.2
%RSD	.19779	.58168	.59240
#1	8189.0	108480.	6301.3
#2	8211.9	109370.	6248.7

Sample Name: CCB Acquired: 11/12/2013 1:22:00 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00398**	**.00056**	**.00006**	**-.00011**	**.00007**	**-.00103**	**.00577**	**-.00008**	**.00041**	**.00010**
Stddev	.00032	.00030	.00077	.00003	.00012	.00005	.00216	.00143	.00007	.00004	.00008
%RSD	165.14	7.4085	136.40	49.404	110.68	77.733	208.99	24.717	96.832	10.574	79.109
#1	-.00003	-.00377	.00110	.00004	-.00002	.00003	-.00256	.00476	-.00013	.00044	.00015
#2	.00043	-.00419	.00002	.00009	-.00019	.00010	.00049	.00678	-.00002	.00038	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00003**	**.01333**	W **-.00270**	**.00368**	**.00005**	**.00009**	**.03692**	**.00052**	**-.00457**	**.00019**
Stddev	.00010	.00055	.02458	.00074	.00127	.00001	.00009	.00645	.00009	.00071	.00093
%RSD	124.19	1583.0	184.44	27.529	34.648	24.618	93.817	17.459	17.179	15.534	492.81
#1	-.00015	.00042	-.00405	-.00323	.00278	.00004	.00016	.03237	.00045	-.00407	.00084
#2	-.00001	-.00035	.03071	-.00218	.00458	.00006	.00003	.04148	.00058	-.00507	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01529**	F **.00739**	**-.00035**	**.00742**	**.01588**	**.00002**	**.00022**	**.00075**	**-.00026**	**-.00024**	**.00271**
Stddev	.00235	.00227	.00218	.02145	.04590	.00026	.00000	.00133	.00001	.00132	.00516
%RSD	15.347	30.706	616.27	289.02	289.02	1376.3	.98863	176.63	4.3330	546.27	190.34
#1	.01695	.00579	.00119	.02259	.04834	-.00017	.00022	-.00019	-.00027	.00069	.00636
#2	.01363	.00900	-.00189	-.00775	-.01658	.00021	.00022	.00169	-.00025	-.00118	-.00094
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00000**	**.00225**	**.00227**
Stddev	.00002	.00038	.00047
%RSD	73834.	16.737	20.762
#1	-.00002	.00198	.00261
#2	.00002	.00251	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8266.9**	**111770.**	**6339.8**
Stddev	17.8	100.	3.9
%RSD	.21516	.08932	.06211
#1	8254.3	111840.	6337.1
#2	8279.4	111700.	6342.6

Sample Name: CCVL2372865 Acquired: 11/12/2013 1:24:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01069**	**.11086**	**.01590**	**.10016**	**.01016**	**.00091**	**.12282**	**.21687**	**.00515**	**.01059**	**.01044**	**.01612**	**.10438**
Stddev	.00039	.00002	.00211	.00067	.00012	.00013	.00290	.00290	.00013	.00000	.00013	.00028	.00332
%RSD	3.6107	.01443	13.299	.66473	1.1409	14.052	2.3591	1.3392	2.6201	.02062	1.2606	1.7660	3.1823
#1	.01042	.11085	.01739	.10063	.01008	.00082	.12487	.21482	.00524	.01058	.01053	.01591	.10203
#2	.01097	.11087	.01440	.09969	.01024	.00100	.12077	.21893	.00505	.01059	.01034	.01632	.10673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1780**	**.00838**	**.21314**	**.01038**	**.02089**	**1.1113**	**.04281**	**3.0030**	**.00894**	**.01962**	**.01171**	**.01154**	**.49283**
Stddev	.0478	.00143	.00253	.00001	.00006	.0115	.00006	.0017	.00038	.00250	.00064	.00073	.00193
%RSD	1.5056	17.120	1.1856	.09595	.28074	1.0324	.13440	.05805	4.2579	12.738	5.4277	6.2994	.39118
#1	3.1442	.00736	.21135	.01039	.02093	1.1194	.04285	3.0042	.00921	.02139	.01216	.01205	.49146
#2	3.2119	.00939	.21493	.01037	.02085	1.1032	.04277	3.0018	.00867	.01785	.01126	.01102	.49419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0547**	**.10677**	**.01035**	**.01429**	**.00944**	**.01705**	F **.10250**	**.01059**	**.02548**	**.01656**
Stddev	.0041	.00063	.00007	.00002	.00008	.00048	.00471	.00058	.00067	.00004
%RSD	.39118	.59035	.64376	.11768	.83826	2.8048	4.5919	5.4973	2.6484	.26865
#1	1.0517	.10722	.01030	.01428	.00938	.01671	.10583	.01018	.02501	.01659
#2	1.0576	.10632	.01040	.01430	.00950	.01739	.09917	.01100	.02596	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8262.0**	**111340.**	**6366.8**
Stddev	39.8	36.	44.7
%RSD	.48222	.03266	.70253
#1	8233.8	111310.	6335.2
#2	8290.2	111360.	6398.4

Sample Name: mb 280-199768/1-a Acquired: 11/12/2013 1:26:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	F **.19674**	**.00308**	**-.00005**	**.00001**	**-.00007**	**.00087**	**.01716**	**-.00004**	**.00018**
Stddev	.00009	.00103	.00110	.00048	.00010	.00002	.00042	.00080	.00024	.00008
%RSD	14.316	.52497	35.525	931.01	1203.6	22.502	48.159	4.6581	576.36	43.995
#1	.00057	.19747	.00386	-.00039	.00008	-.00008	.00116	.01772	.00013	.00012
#2	.00070	.19601	.00231	.00029	-.00006	-.00006	.00057	.01659	-.00021	.00023
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.10000								
Low Limit		-.10000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00019**	W **.06532**	**-.02031**	**-.00026**	**.00298**	**.00055**	**.00002**	**.00467**	**.00027**
Stddev	.00011	.00001	.00017	.01375	.00080	.00037	.00001	.00022	.00530	.00007
%RSD	102.61	3.4753	.25500	67.674	311.91	12.487	1.5015	965.44	113.36	24.042
#1	.00003	.00019	.06543	-.03003	.00031	.00271	.00056	-.00013	.00093	.00032
#2	.00019	.00018	.06520	-.01059	-.00083	.00324	.00055	.00018	.00842	.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00352**	**-.00040**	**.01745**	**-.00193**	**-.00055**	**.01229**	**.02630**	**.00083**	**.00013**	**.00091**
Stddev	.00033	.00032	.00144	.00069	.00038	.01033	.02211	.00012	.00001	.00045
%RSD	9.4197	80.051	8.2543	35.631	68.554	84.062	84.062	14.703	6.2187	49.577
#1	-.00375	-.00018	.01643	-.00144	-.00082	.01960	.04194	.00075	.00013	.00059
#2	-.00328	-.00063	.01847	-.00242	-.00029	.00498	.01067	.00092	.00014	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00031**	**.01149**	**.00010**	**.00276**	**.00318**
Stddev	.00017	.00066	.01261	.00000	.00002	.00307
%RSD	29.849	209.60	109.74	4.1886	.68758	96.435
#1	-.00045	.00078	.02041	.00011	.00278	.00535
#2	-.00068	-.00015	.00257	.00010	.00275	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8266.0**	**111460.**	**6437.5**
Stddev	4.6	444.	53.0
%RSD	.05518	.39867	.82255
#1	8262.8	111140.	6474.9
#2	8269.3	111770.	6400.0

Sample Name: lcs 280-199768/2-a Acquired: 11/12/2013 1:28:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04888	2.0162	.96492	.99035	1.9469	.04697	2.1866	47.309	.10256	.47383
Stddev	.00048	.0063	.00795	.00157	.0017	.00000	.0129	.025	.00011	.00091
%RSD	.98178	.31036	.82407	.15894	.08609	.00791	.58956	.05367	.10461	.19132
#1	.04922	2.0118	.97054	.99147	1.9457	.04697	2.1957	47.327	.10248	.47447
#2	.04854	2.0206	.95930	.98924	1.9480	.04697	2.1775	47.291	.10263	.47319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19686	.24833	.94206	50.614	.96935	48.851	.47528	1.0066	52.162	.48234
Stddev	.00029	.00085	.00273	.120	.00126	.029	.00073	.0029	.448	.00107
%RSD	.14847	.34085	.28989	.23745	.13010	.06013	.15301	.29017	.85976	.22267
#1	.19707	.24892	.94013	50.699	.96846	48.872	.47579	1.0086	51.845	.48310
#2	.19665	.24773	.94399	50.529	.97024	48.830	.47476	1.0045	52.479	.48158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8978	.47939	.04766	.47497	1.9248	9.6878	20.732	2.0011	.96762	.95619
Stddev	.0180	.00301	.04680	.00068	.0112	.0060	.013	.0097	.00186	.01011
%RSD	.18152	.62808	98.193	.14293	.58323	.06137	.06137	.48281	.19221	1.0572
#1	9.9105	.48152	.01457	.47449	1.9327	9.6836	20.723	2.0079	.96631	.96333
#2	9.8851	.47726	.08076	.47545	1.9169	9.6920	20.741	1.9942	.96894	.94904
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96922	1.8937	2.0545	.48898	.49290	.49636
Stddev	.00331	.0110	.0132	.00029	.00070	.00518
%RSD	.34139	.58008	.64383	.05912	.14139	1.0436
#1	.97156	1.9014	2.0452	.48878	.49339	.49269
#2	.96688	1.8859	2.0639	.48919	.49241	.50002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7934.8	105500.	6228.3
Stddev	32.5	294.	72.7
%RSD	.40909	.27873	1.1674
#1	7957.7	105710.	6176.9
#2	7911.8	105290.	6279.7

Sample Name: 280-48717-d-1-c Acquired: 11/12/2013 1:31:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**5.5428**	**.05257**	**.22784**	**.39300**	**.00021**	**-.01275**	**281.73**	**.00149**	**.01022**
Stddev	.00019	.0716	.00099	.00102	.00494	.00004	.00047	4.74	.00012	.00025
%RSD	36.385	1.2909	1.8913	.44854	1.2558	18.104	3.7129	1.6830	7.9720	2.4095
#1	.00066	5.4922	.05187	.22711	.38951	.00024	-.01242	278.38	.00158	.01004
#2	.00039	5.5933	.05327	.22856	.39649	.00018	-.01309	285.08	.00141	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00733**	**.01175**	**19.984**	**3.7151**	**.01123**	**129.46**	**3.6225**	**.00110**	**123.38**	**.03099**
Stddev	.00014	.00047	.245	.0596	.00033	.35	.0166	.00021	1.55	.00001
%RSD	1.8955	4.0348	1.2279	1.6053	2.9271	.26926	.45904	19.192	1.2539	.03325
#1	.00723	.01209	19.811	3.6729	.01100	129.70	3.6342	.00125	122.28	.03098
#2	.00743	.01142	20.158	3.7573	.01146	129.21	3.6107	.00095	124.47	.03100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4098**	**.00843**	**2.8418**	**-.00273**	**.00198**	**32.735**	**70.054**	**.00262**	**1.2453**	**.00491**
Stddev	.0103	.00129	.0169	.00056	.00089	.503	1.076	.00068	.0126	.00008
%RSD	.42573	15.311	.59528	20.387	45.023	1.5354	1.5354	26.123	1.0107	1.6966
#1	2.4026	.00752	2.8299	-.00233	.00260	32.380	69.293	.00214	1.2364	.00486
#2	2.4171	.00934	2.8538	-.00312	.00135	33.091	70.814	.00311	1.2542	.00497
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45203**	**-.00118**	**-.02080**	**.02685**	**.02278**	**.00897**
Stddev	.00022	.00091	.01458	.00006	.00021	.00166
%RSD	.04910	77.133	70.075	.23335	.92961	18.565
#1	.45219	-.00054	-.01050	.02689	.02293	.01014
#2	.45188	-.00182	-.03111	.02680	.02263	.00779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7754.3**	**102220.**	**6259.4**
Stddev	14.0	527.	51.4
%RSD	.18100	.51552	.82183
#1	7744.4	101840.	6295.8
#2	7764.2	102590.	6223.0

Sample Name: 280-48717-d-2-c Acquired: 11/12/2013 1:33:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.01758**	**.00126**	**.00061**	**.00001**	**-.00003**	**-.00132**	**.07639**	**.00003**	**.00011**
Stddev	.00120	.00045	.00042	.00017	.00023	.00001	.00035	.01618	.00001	.00003
%RSD	275.88	2.5697	33.204	28.374	2162.1	44.871	26.541	21.176	40.015	25.364
#1	-.00041	.01726	.00155	.00073	.00017	-.00004	-.00157	.08783	.00002	.00013
#2	.00128	.01790	.00096	.00049	-.00015	-.00002	-.00107	.06495	.00003	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00023**	**.00974**	**.02686**	**.00020**	**.01308**	**.00057**	**-.00014**	**.07399**	**.00062**
Stddev	.00010	.00019	.00433	.02787	.00096	.00239	.00002	.00024	.01953	.00011
%RSD	405.22	80.856	44.500	103.75	486.30	18.233	3.3057	171.60	26.393	18.006
#1	.00009	.00010	.01280	.00715	-.00048	.01140	.00058	.00003	.08780	.00054
#2	-.00004	.00037	.00667	.04656	.00088	.01477	.00056	-.00031	.06018	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01985**	**-.00035**	**.01951**	**-.00096**	**-.00017**	**.04382**	**.09377**	**.00119**	**.00015**	**-.00044**
Stddev	.00640	.00010	.00245	.00122	.00213	.00717	.01534	.00001	.00002	.00181
%RSD	32.249	29.389	12.563	127.38	1253.8	16.356	16.356	.48485	16.716	413.31
#1	.02438	-.00028	.02124	-.00010	.00133	.03875	.08292	.00119	.00013	-.00172
#2	.01533	-.00042	.01777	-.00183	-.00167	.04889	.10462	.00120	.00017	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00018**	**-.00522**	**.00026**	**.00458**	**.00169**
Stddev	.00006	.00037	.02722	.00059	.00016	.00055
%RSD	36.869	198.73	521.45	228.90	3.5497	32.616
#1	-.00013	.00044	-.02447	.00067	.00447	.00130
#2	-.00022	-.00007	.01403	-.00016	.00470	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8311.8**	**111570.**	**6325.9**
Stddev	22.2	132.	32.1
%RSD	.26682	.11829	.50671
#1	8327.5	111670.	6348.6
#2	8296.2	111480.	6303.2

Sample Name: 280-48717-d-3-c Acquired: 11/12/2013 1:35:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.07926**	**.07146**	**1.8193**	**.97178**	**-.00001**	**-.01182**	**340.13**	**.00125**	**.00446**
Stddev	.00004	.00020	.00356	.0019	.00459	.00008	.00153	8.84	.00004	.00033
%RSD	4.8438	.25812	4.9760	.10432	.47251	810.07	12.959	2.5989	3.4685	7.3640
#1	.00085	.07912	.06894	1.8207	.96853	-.00007	-.01290	346.38	.00128	.00423
#2	.00091	.07941	.07397	1.8180	.97502	.00005	-.01074	333.88	.00122	.00469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00181**	**37.402**	**23.745**	**.00907**	**87.450**	**5.2679**	**-.00035**	**214.95**	**.00572**
Stddev	.00000	.00004	.056	.114	.00080	.256	.0107	.00048	1.53	.00008
%RSD	.17618	2.3793	.14942	.48035	8.8126	.29310	.20246	134.23	.71237	1.3457
#1	.00091	.00178	37.362	23.664	.00964	87.632	5.2754	-.00002	213.86	.00578
#2	.00091	.00184	37.441	23.825	.00851	87.269	5.2604	-.00069	216.03	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5026**	**-.00228**	**1.9394**	**-.00293**	**.00190**	**31.583**	**67.588**	**-.00012**	**2.0325**	**-.00103**
Stddev	.0031	.00187	.0059	.00123	.00128	.313	.670	.00023	.0092	.00081
%RSD	.20748	81.893	.30248	41.927	67.187	.99114	.99114	194.16	.45347	78.524
#1	1.5048	-.00360	1.9353	-.00380	.00100	31.362	67.114	.00004	2.0260	-.00160
#2	1.5004	-.00096	1.9436	-.00206	.00280	31.804	68.062	-.00028	2.0391	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00198**	**-.00239**	**.00319**	**.00871**	**.00625**
Stddev	.00023	.00137	.02296	.00038	.00013	.00076
%RSD	30.710	69.447	960.73	11.854	1.4441	12.178
#1	.00092	-.00101	.01384	.00346	.00862	.00679
#2	.00059	-.00295	-.01862	.00292	.00880	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7617.7**	**100890.**	**6272.0**
Stddev	5.8	106.	12.3
%RSD	.07561	.10524	.19594
#1	7621.8	100810.	6280.7
#2	7613.7	100960.	6263.3

Sample Name: 280-48717-d-4-c Acquired: 11/12/2013 1:38:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.04342**	**.06863**	**1.8102**	**.96131**	**-.00001**	**-.01083**	**341.57**	**.00106**	**.00434**
Stddev	.00008	.00013	.00026	.0004	.00098	.00002	.00329	1.71	.00002	.00003
%RSD	37.621	.30795	.38126	.02406	.10218	336.59	30.382	.50169	1.5858	.70471
#1	.00016	.04332	.06845	1.8105	.96061	-.00002	-.00850	340.36	.00105	.00436
#2	.00027	.04351	.06882	1.8099	.96200	.00001	-.01315	342.78	.00108	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00188**	**36.944**	**23.645**	**.01085**	**86.547**	**5.3133**	**-.00037**	**213.25**	**.00566**
Stddev	.00011	.00009	.012	.061	.00059	.021	.0249	.00011	.18	.00006
%RSD	12.464	4.8944	.03195	.25923	5.4545	.02441	.46805	29.225	.08657	1.0187
#1	.00093	.00194	36.936	23.602	.01043	86.532	5.3308	-.00029	213.12	.00562
#2	.00078	.00181	36.953	23.688	.01127	86.562	5.2957	-.00044	213.38	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4934**	**-.00103**	**1.9364**	**-.00238**	**.00089**	**31.428**	**67.255**	**.00073**	**2.0109**	**.00171**
Stddev	.0041	.00056	.0037	.00096	.00097	.196	.419	.00090	.0013	.00051
%RSD	.27466	54.187	.19171	40.430	108.42	.62358	.62358	122.88	.06241	29.771
#1	1.4963	-.00063	1.9390	-.00306	.00158	31.566	67.552	.00137	2.0101	.00135
#2	1.4905	-.00142	1.9338	-.00170	.00021	31.289	66.959	.00010	2.0118	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00145**	**-.04792**	**.00338**	**.00475**	**.00398**
Stddev	.00009	.00089	.00336	.00005	.00020	.00068
%RSD	19.780	60.929	7.0101	1.3863	4.1704	17.193
#1	.00038	-.00208	-.04555	.00341	.00489	.00349
#2	.00051	-.00083	-.05030	.00335	.00461	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7617.6**	**101520.**	**6231.2**
Stddev	12.4	536.	17.0
%RSD	.16296	.52828	.27273
#1	7626.3	101900.	6243.3
#2	7608.8	101140.	6219.2

Sample Name: 280-48717-d-5-c Acquired: 11/12/2013 1:40:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00947**	**.00126**	**.06510**	**.03813**	**.00000**	**-.00131**	**23.351**	**.00001**	**.00115**
Stddev	.00012	.00036	.00194	.00054	.00002	.0000	.00015	.038	.00006	.00011
%RSD	27.984	3.7524	154.24	.83438	.05403	1163.9	11.704	.16386	622.42	9.7800
#1	.00035	.00972	-.00011	.06548	.03814	.00001	-.00142	23.324	.00005	.00123
#2	.00053	.00921	.00263	.06471	.03812	-.00001	-.00120	23.378	-.00003	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.01788**	**1.8117**	**.87736**	**-.00388**	**10.779**	**1.6514**	**.00018**	**18.169**	**.00201**
Stddev	.00010	.00025	.0009	.00217	.00277	.050	.0055	.00017	.434	.00008
%RSD	216.43	1.3709	.04800	.24692	71.600	.46274	.33319	95.197	2.3906	3.9398
#1	.00011	.01806	1.8111	.87889	-.00191	10.815	1.6553	.00006	17.861	.00196
#2	-.00002	.01771	1.8123	.87582	-.00584	10.744	1.6475	.00030	18.476	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05357**	**-.00030**	**2.3383**	**-.00282**	**-.00108**	**8.6310**	**18.470**	**.00047**	**.16743**	**-.00010**
Stddev	.00198	.00064	.0126	.00232	.00076	.0047	.010	.00028	.00049	.00034
%RSD	3.7033	213.34	.53698	82.322	70.728	.05500	.05500	60.278	.29202	358.59
#1	.05497	-.00075	2.3472	-.00118	-.00162	8.6344	18.478	.00067	.16777	-.00034
#2	.05217	.00015	2.3294	-.00447	-.00054	8.6277	18.463	.00027	.16708	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00109**	**-.00641**	**.00113**	**.00402**	**.00251**
Stddev	.00011	.00050	.03056	.00074	.00024	.00127
%RSD	47.777	46.144	476.38	65.431	5.8575	50.622
#1	-.00031	-.00074	-.02802	.00166	.00385	.00161
#2	-.00015	-.00145	.01519	.00061	.00419	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.8**	**109870.**	**6344.5**
Stddev	22.0	507.	3.5
%RSD	.26760	.46152	.05450
#1	8241.3	109510.	6347.0
#2	8210.2	110230.	6342.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 1:43:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00798**	**51.383**	**.00165**	**.00315**	**.00000**	**-.00015**	W **1.0778**	**.02900**	**-.00018**	**-.00029**	**.00011**	**.01243**
Stddev	.00009	.199	.00261	.00004	.00031	.00009	.0011	.00613	.00016	.00001	.00003	.00042
%RSD	1.1864	.38810	157.42	1.3814	8931.8	57.982	.10044	21.126	85.913	2.0588	24.643	3.3831
#1	.00805	51.524	.00350	.00318	-.00022	-.00022	1.0771	.03333	-.00029	-.00029	.00009	.01213
#2	.00791	51.242	-.00019	.00312	.00023	-.00009	1.0786	.02467	-.00007	-.00028	.00012	.01273
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.776**	**.07827**	**-.00344**	**.08880**	**.00093**	**-.00007**	**268.04**	**.00006**	**.00011**	**.00080**	**5.1223**	**.00065**
Stddev	.080	.01133	.00448	.00114	.00002	.00006	.19	.00059	.00210	.00064	.0144	.00084
%RSD	.16011	14.471	130.15	1.2838	1.9633	89.296	.07001	928.37	1915.9	80.144	.28008	128.25
#1	49.832	.08628	-.00027	.08800	.00092	-.00002	267.91	.00048	.00160	.00035	5.1324	.00125
#2	49.719	.07026	-.00661	.08961	.00094	-.00011	268.18	-.00036	-.00138	.00126	5.1121	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00563**	**.02615**	**.05597**	**.00042**	**.00021**	**5.0133**	**-.01343**	**.00050**	F **6.3645**	**.00195**	**.00132**	**.05865**
Stddev	.00347	.01621	.03469	.00052	.00001	.0140	.00012	.00111	.0204	.00038	.00029	.00374
%RSD	61.575	61.977	61.977	123.76	5.6279	.27824	.93008	219.64	.32081	19.366	21.993	6.3812
#1	-.00808	.01469	.03144	.00079	.00022	5.0231	-.01334	-.00028	6.3500	.00168	.00112	.05600
#2	-.00318	.03762	.08050	.00005	.00020	5.0034	-.01352	.00129	6.3789	.00222	.00153	.06129
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7966.1**	**105400.**	**6250.8**
Stddev	20.1	257.	30.3
%RSD	.25219	.24349	.48465
#1	7980.3	105580.	6229.4
#2	7951.9	105220.	6272.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 1:45:26 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51115**	**.54788**	**1.0169**	**.51228**	**.50919**	**.49409**	**-.00570**	**5.1497**	**.51048**	**.51090**	**.51645**	**.51203**	**2.4915**
Stddev	.00120	.00007	.0016	.00093	.00308	.00028	.00327	.0328	.00083	.00114	.00091	.00086	.0043
%RSD	.23548	.01338	.15695	.18164	.60459	.05725	57.440	.63788	.16301	.22263	.17656	.16880	.17199
#1	.51200	.54783	1.0157	.51162	.50701	.49389	-.00801	5.1264	.50990	.51170	.51581	.51264	2.4945
#2	.51029	.54793	1.0180	.51294	.51137	.49429	-.00338	5.1729	.51107	.51009	.51710	.51141	2.4885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.726**	**1.0195**	**20.551**	**.50350**	**.51926**	**5.2987**	**.52037**	**1.0315**	**1.0429**	**.00758**	**1.0157**	**1.0244**	**4.9966**
Stddev	.166	.0061	.048	.00069	.00074	.0091	.00008	.0046	.0001	.00120	.0058	.0012	.0006
%RSD	.31488	.59426	.23443	.13627	.14329	.17219	.01470	.44863	.01381	15.806	.56707	.11652	.01295
#1	52.609	1.0153	20.585	.50301	.51874	5.3051	.52042	1.0283	1.0428	.00842	1.0116	1.0252	4.9962
#2	52.844	1.0238	20.517	.50398	.51979	5.2922	.52032	1.0348	1.0430	.00673	1.0197	1.0235	4.9971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.693**	**1.0485**	**.50610**	**-.00464**	**.49813**	**1.0426**	**.00071**	**.50780**	**.52296**	**.50132**
Stddev	.001	.0027	.00266	.00014	.00077	.0042	.01149	.00004	.00095	.00128
%RSD	.01295	.25788	.52514	3.0748	.15502	.40373	1614.1	.00878	.18260	.25451
#1	10.692	1.0466	.50422	-.00454	.49867	1.0396	-.00741	.50777	.52229	.50042
#2	10.694	1.0504	.50798	-.00474	.49758	1.0456	.00883	.50784	.52364	.50222
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8124.8**	**108270.**	**6261.0**
Stddev	31.3	198.	13.4
%RSD	.38539	.18264	.21451
#1	8102.7	108410.	6251.5
#2	8146.9	108130.	6270.5

Sample Name: CCB Acquired: 11/12/2013 1:47:33 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00404**	**.00031**	**.00132**	**-.00009**	**-.00004**	**-.00191**	**.00921**	**.00005**	**.00018**	**-.00002**	**-.00015**	**.00325**
Stddev	.00024	.00010	.00046	.00032	.00005	.00006	.00174	.00279	.00006	.00010	.00005	.00024	.00358
%RSD	124.63	2.5475	148.63	24.283	51.600	157.86	91.251	30.298	134.22	57.369	218.12	162.86	110.11
#1	.00037	-.00397	-.00002	.00155	-.00012	-.00008	-.00314	.00724	.00009	.00011	.00001	.00002	.00072
#2	.00002	-.00412	.00063	.00109	-.00006	.00000	-.00068	.01119	.00000	.00025	-.00006	-.00031	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**-.00170**	**.00232**	**.00021**	**.00042**	**.01638**	**.00038**	**-.00027**	**.00008**	**.00958**	F **.00666**	**-.00004**	**.00705**
Stddev	.05443	.00190	.00039	.00004	.00010	.01560	.00007	.00045	.00164	.00095	.00063	.00186	.00623
%RSD	768.83	112.17	16.912	16.874	24.413	95.210	19.006	166.63	2141.5	9.9322	9.5313	4877.3	88.492
#1	.04556	-.00305	.00260	.00019	.00050	.02741	.00033	.00005	.00124	.01025	.00621	.00128	.00264
#2	-.03141	-.00035	.00204	.00024	.00035	.00535	.00043	-.00059	-.00109	.00890	.00711	-.00136	.01145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01508**	**.00014**	**.00023**	**.00006**	**-.00055**	**.00052**	**-.00331**	**.00040**	**.00375**	**.00041**
Stddev	.01334	.00034	.00003	.00087	.00031	.00100	.00141	.00042	.00016	.00007
%RSD	88.492	243.44	14.377	1406.2	56.649	192.01	42.737	104.09	4.2333	16.828
#1	.00564	.00038	.00020	.00068	-.00033	.00122	-.00431	.00011	.00386	.00046
#2	.02451	-.00010	.00025	-.00055	-.00076	-.00019	-.00231	.00070	.00364	.00036
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8179.2**	**109190.**	**6201.2**
Stddev	9.2	624.	16.9
%RSD	.11301	.57137	.27287
#1	8172.6	108750.	6189.2
#2	8185.7	109630.	6213.1

Sample Name: CCVL2372865 Acquired: 11/12/2013 1:49:50 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.11144**	**.01502**	**.10224**	**.01029**	**.00101**	**.12442**	**.22594**	**.00513**	**.01063**	**.01057**	**.01536**	**.10635**
Stddev	.00025	.00007	.00065	.00032	.00000	.00001	.00234	.00123	.00007	.00009	.00009	.00013	.00028
%RSD	2.2586	.06221	4.3185	.31676	.01274	1.4096	1.8829	.54584	1.4214	.83032	.83992	.84464	.26009
#1	.01070	.11139	.01457	.10201	.01029	.00102	.12277	.22507	.00518	.01057	.01063	.01545	.10655
#2	.01104	.11149	.01548	.10247	.01029	.00100	.12608	.22681	.00508	.01069	.01050	.01526	.10616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2207**	**.00872**	**.21588**	**.01055**	**.02051**	**1.0931**	**.04321**	**3.0230**	**.00888**	**.01408**	**.01035**	**.01486**	**.49888**
Stddev	.0580	.00196	.00368	.00000	.00016	.0192	.00001	.0020	.00046	.00144	.00167	.00176	.00078
%RSD	1.8011	22.501	1.7043	.00378	.77427	1.7568	.01284	.06739	5.1530	10.211	16.165	11.868	.15706
#1	3.2617	.00733	.21848	.01055	.02040	1.1067	.04321	3.0244	.00855	.01510	.00917	.01362	.49943
#2	3.1797	.01011	.21328	.01055	.02062	1.0795	.04320	3.0215	.00920	.01307	.01153	.01611	.49832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0676**	**.10829**	**.01040**	**.01648**	**.00978**	**.01622**	F **.08545**	**.01030**	**.02546**	**.01783**
Stddev	.0017	.00069	.00002	.00000	.00032	.00064	.01118	.00005	.00070	.00053
%RSD	.15706	.63821	.22749	.01622	3.2333	3.9373	13.079	.50808	2.7479	2.9698
#1	1.0688	.10878	.01042	.01648	.00956	.01577	.07755	.01034	.02497	.01745
#2	1.0664	.10780	.01038	.01648	.01000	.01667	.09335	.01026	.02596	.01820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8264.2**	**110690.**	**6316.9**
Stddev	44.6	185.	41.8
%RSD	.53971	.16671	.66232
#1	8232.6	110560.	6287.3
#2	8295.7	110820.	6346.5

Sample Name: 48832-1 Acquired: 11/12/2013 1:52:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Sr SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02825**	**.00551**	**3.5559**	**.08109**	**-.00005**	**.00238**	**171.37**	**.00009**	**.00065**
Stddev	.00020	.00000	.00073	.0095	.00089	.00001	.00057	1.32	.00004	.00013
%RSD	42.574	.00118	13.328	.26750	1.0950	12.391	23.778	.77108	50.904	19.722
#1	.00060	.02825	.00603	3.5492	.08046	-.00006	.00278	170.43	.00012	.00074
#2	.00032	.02825	.00499	3.5626	.08172	-.00005	.00198	172.30	.00006	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00217**	**5.0768**	**38.860**	**.00438**	**24.199**	**.82547**	**.00146**	**145.30**	**.00203**
Stddev	.00001	.00008	.0066	.244	.00040	.018	.00079	.00032	1.50	.00037
%RSD	.78722	3.6852	.12943	.62880	9.1575	.07299	.09526	21.674	1.0316	17.973
#1	.00114	.00223	5.0815	38.687	.00466	24.187	.82492	.00168	144.24	.00229
#2	.00115	.00211	5.0722	39.033	.00410	24.212	.82603	.00123	146.36	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16145**	**-.00046**	**49.781**	**-.00106**	**-.00306**	**2.2059**	**4.7206**	**.00032**	**.90177**	**-.00252**
Stddev	.00003	.00141	.144	.00059	.00036	.0046	.0099	.00024	.00801	.00025
%RSD	.01805	308.03	.28963	55.703	11.708	.20903	.20903	75.321	.88804	10.091
#1	.16147	-.00146	49.679	-.00148	-.00331	2.2091	4.7275	.00049	.89611	-.00234
#2	.16142	.00054	49.883	-.00064	-.00281	2.2026	4.7136	.00015	.90743	-.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00288**	**.01673**	**.00143**	**.00099**	**.00315**
Stddev	.00006	.00022	.04614	.00034	.00022	.00100
%RSD	52.296	7.7754	275.78	23.981	21.930	31.663
#1	-.00016	.00272	-.01590	.00168	.00084	.00245
#2	-.00007	.00304	.04936	.00119	.00114	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.4**	**110770.**	**6753.2**
Stddev	5.5	216.	100.7
%RSD	.06605	.19503	1.4908
#1	8287.5	110620.	6824.3
#2	8295.3	110930.	6682.0

Sample Name: 48832-7 Acquired: 11/12/2013 1:54:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Sr SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.48396**	**.01273**	**6.9328**	**.33970**	**-.00005**	**-.00072**	**225.93**	**.00029**	**.00082**
Stddev	.00023	.00109	.00112	.0092	.00183	.00010	.00030	.57	.00020	.00009
%RSD	111.27	.22484	8.8111	.13216	.53978	205.90	40.913	.25226	68.470	10.624
#1	-.00005	.48319	.01353	6.9393	.34099	.00002	-.00093	226.34	.00015	.00088
#2	-.00038	.48473	.01194	6.9263	.33840	-.00012	-.00051	225.53	.00043	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**.00238**	**26.396**	**81.687**	**.00508**	**64.805**	**1.2840**	**.00055**	**233.27**	**.00232**
Stddev	.00014	.00011	.035	.374	.00152	.317	.0038	.00003	.85	.00024
%RSD	2.8477	4.7194	.13288	.45814	29.874	.48989	.29886	4.6737	.36515	10.559
#1	.00485	.00246	26.421	81.951	.00616	65.030	1.2867	.00057	233.87	.00249
#2	.00505	.00230	26.371	81.422	.00401	64.581	1.2813	.00053	232.67	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26434**	**.00007**	**31.020**	**-.00177**	**-.00183**	**2.9338**	**6.2784**	**.00084**	**1.7325**	**-.00178**
Stddev	.00200	.00100	.081	.00294	.00129	.0138	.0295	.00032	.0050	.00069
%RSD	.75762	1342.9	.26250	166.64	70.490	.46940	.46940	37.951	.28558	38.711
#1	.26293	-.00063	31.078	.00032	-.00092	2.9436	6.2992	.00106	1.7360	-.00129
#2	.26576	.00078	30.963	-.00385	-.00275	2.9241	6.2575	.00061	1.7290	-.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00659**	**.00198**	**.02723**	**.00210**	**.00057**	**.00691**
Stddev	.00116	.00033	.04457	.00025	.00058	.00143
%RSD	17.678	16.922	163.68	12.049	102.01	20.688
#1	.00741	.00222	-.00429	.00193	.00099	.00792
#2	.00576	.00174	.05875	.00228	.00016	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8044.0**	**107300.**	**6760.9**
Stddev	14.1	334.	37.0
%RSD	.17521	.31108	.54653
#1	8053.9	107070.	6734.8
#2	8034.0	107540.	6787.0

Sample Name: 280-48718-g-1-c Acquired: 11/12/2013 1:56:51 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.56878**	**.00227**	**.37341**	**.10457**	**.00002**	**-.00280**	**39.042**	**.00019**	**.00183**
Stddev	.00044	.00029	.00188	.00224	.00051	.00002	.00374	.055	.00020	.00016
%RSD	58.407	.05140	82.652	.60106	.49126	124.29	133.54	.14030	103.35	8.6591
#1	.00107	.56899	.00095	.37500	.10493	.00000	-.00016	39.003	.00005	.00195
#2	.00044	.56858	.00360	.37183	.10421	.00003	-.00545	39.080	.00033	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00314**	**1.1871**	**3.3169**	**.00290**	**22.227**	**1.4880**	**.00103**	**32.540**	**.00386**
Stddev	.00001	.00037	.0115	.0907	.00004	.053	.0008	.00000	.618	.00003
%RSD	1.1411	11.939	.96565	2.7342	1.5202	.23666	.05673	.03657	1.9002	.65437
#1	.00068	.00287	1.1952	3.3810	.00293	22.190	1.4874	.00103	32.978	.00388
#2	.00067	.00340	1.1790	3.2528	.00287	22.264	1.4886	.00103	32.103	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23915**	**-.00090**	**5.0035**	**-.00409**	**-.00093**	**6.3618**	**13.614**	**-.00013**	**.21159**	**.00061**
Stddev	.00353	.00030	.0120	.00121	.00323	.0687	.147	.00010	.00089	.00176
%RSD	1.4769	33.683	.24004	29.654	348.20	1.0797	1.0797	78.984	.41837	287.42
#1	.24165	-.00112	5.0120	-.00323	.00136	6.4104	13.718	-.00006	.21097	.00186
#2	.23665	-.00069	4.9950	-.00494	-.00321	6.3132	13.510	-.00020	.21222	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02946**	**-.00062**	**-.01610**	**.00680**	**.00650**	**.00363**
Stddev	.00037	.00010	.00918	.00003	.00032	.00124
%RSD	1.2554	15.483	57.002	.45131	4.9237	34.193
#1	.02972	-.00055	-.02258	.00677	.00627	.00275
#2	.02920	-.00069	-.00961	.00682	.00672	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.2**	**110730.**	**6669.1**
Stddev	26.2	123.	4.7
%RSD	.31554	.11134	.07079
#1	8271.7	110650.	6672.4
#2	8308.7	110820.	6665.7

Sample Name: 280-48718-g-2-c Acquired: 11/12/2013 1:59:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.01537**	**.00203**	**.00796**	**-.00003**	**.00003**	**.00065**	**.04336**	**.00007**	**.00024**
Stddev	.00017	.00000	.00090	.00070	.00015	.00001	.00081	.00187	.00004	.00005
%RSD	21.740	.01746	44.253	8.8100	480.32	47.881	124.34	4.3075	51.322	22.351
#1	.00092	.01537	.00267	.00846	.00008	.00003	.00122	.04204	.00010	.00028
#2	.00068	.01537	.00140	.00747	-.00014	.00002	.00008	.04468	.00005	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00113**	**.00715**	**.05115**	**-.00174**	**.01041**	**.00064**	**-.00012**	**.10183**	**.00052**
Stddev	.00010	.00016	.00207	.00265	.00084	.00106	.00001	.00019	.00951	.00032
%RSD	50.137	13.801	28.914	5.1846	48.284	10.154	1.1295	153.61	9.3389	62.270
#1	.00012	.00102	.00861	.04927	-.00115	.01116	.00064	-.00026	.10855	.00029
#2	.00026	.00124	.00569	.05302	-.00234	.00966	.00065	.00001	.09510	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00010**	**.02411**	**-.00122**	**.00123**	**.12183**	**.26072**	**.00031**	**.00015**	**-.00072**
Stddev	.00061	.00116	.00020	.00172	.00018	.00971	.02079	.00041	.00004	.00206
%RSD	84.702	1143.7	.81873	141.02	14.290	7.9728	7.9728	132.18	27.492	287.05
#1	.00029	.00092	.02425	-.00244	.00135	.11496	.24602	.00002	.00012	-.00218
#2	.00115	-.00072	.02397	.00000	.00110	.12870	.27541	.00060	.00017	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00064**	**.00458**	**.00026**	**.00419**	**.00277**
Stddev	.00020	.00085	.01011	.00010	.00008	.00176
%RSD	58.237	133.63	220.73	39.232	1.8068	63.777
#1	-.00048	-.00124	.01172	.00034	.00425	.00152
#2	-.00020	-.00004	-.00257	.00019	.00414	.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8495.2**	**115060.**	**6637.4**
Stddev	27.5	591.	94.2
%RSD	.32426	.51398	1.4190
#1	8475.7	114650.	6570.8
#2	8514.7	115480.	6704.0

Sample Name: 280-48718-g-3-c Acquired: 11/12/2013 2:01:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.14247**	**.00247**	**.01413**	**.01462**	**-.00007**	**.00040**	**11.644**	**.00011**	**.00020**
Stddev	.00068	.00047	.00038	.00068	.00011	.00008	.00160	.030	.00011	.00018
%RSD	101.60	.32972	15.502	4.8426	.77694	116.35	394.30	.25946	99.049	93.780
#1	.00115	.14280	.00274	.01364	.01470	-.00012	-.00072	11.622	.00003	.00007
#2	.00019	.14213	.00220	.01461	.01454	-.00001	.00153	11.665	.00019	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00169**	**.53444**	**1.3339**	**.00174**	**4.3603**	**.06422**	**.00000**	**6.4872**	**.00076**
Stddev	.00001	.00061	.00419	.0578	.00209	.0067	.00019	.0002	.0193	.00035
%RSD	2.8432	36.055	.78380	4.3336	120.29	.15486	.30003	5355.4	.29732	45.184
#1	.00030	.00126	.53148	1.2931	.00026	4.3555	.06409	-.00012	6.5009	.00101
#2	.00029	.00212	.53741	1.3748	.00322	4.3650	.06436	.00011	6.4736	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07866**	**-.00111**	**1.3111**	**-.00118**	**-.00157**	**10.065**	**21.539**	**.00036**	**.05686**	**-.00178**
Stddev	.00120	.00056	.0083	.00011	.00288	.054	.116	.00129	.00064	.00039
%RSD	1.5193	50.562	.62976	9.1838	183.47	.53793	.53793	353.66	1.1237	21.710
#1	.07950	-.00071	1.3170	-.00126	.00047	10.027	21.457	-.00055	.05641	-.00151
#2	.07781	-.00151	1.3053	-.00111	-.00360	10.103	21.621	.00128	.05731	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00962**	**.00014**	**-.00136**	**.00201**	**.00365**	**.00406**
Stddev	.00023	.00053	.02697	.00007	.00006	.00058
%RSD	2.4292	366.69	1985.8	3.2486	1.7748	14.305
#1	.00946	-.00023	-.02043	.00205	.00369	.00365
#2	.00979	.00052	.01771	.00196	.00360	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8427.4**	**113610.**	**6520.9**
Stddev	2.5	799.	23.9
%RSD	.03004	.70297	.36585
#1	8429.2	114170.	6504.1
#2	8425.6	113040.	6537.8

Sample Name: 280-48718-g-4-c Acquired: 11/12/2013 2:03:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.25617**	**.00051**	**.01438**	**.01831**	**-.00003**	**-.00220**	**15.016**	**.00012**	**.00021**
Stddev	.00020	.00012	.00063	.00026	.00005	.00007	.00247	.029	.00001	.00008
%RSD	53.983	.04728	124.48	1.7834	.28146	212.37	112.12	.19528	5.2488	36.492
#1	.00023	.25626	.00095	.01456	.01827	.00002	-.00395	14.996	.00012	.00015
#2	.00052	.25609	.00006	.01420	.01835	-.00008	-.00046	15.037	.00013	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00171**	**.75027**	**1.6742**	**-.00070**	**5.9604**	**.11056**	**.00011**	**7.9641**	**.00072**
Stddev	.00008	.00040	.00240	.0121	.00105	.0020	.00029	.00005	.0219	.00002
%RSD	16.339	23.490	.31936	.72284	150.89	.03362	.26164	46.950	.27552	3.1171
#1	.00055	.00200	.74857	1.6828	-.00144	5.9618	.11035	.00007	7.9486	.00071
#2	.00043	.00143	.75196	1.6657	.00005	5.9590	.11076	.00014	7.9796	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13052**	**-.00025**	**1.5473**	**-.00230**	**.00022**	**12.808**	**27.409**	**.00011**	**.06489**	**.00000**
Stddev	.00269	.00174	.0076	.00190	.00108	.031	.067	.00035	.00003	.0025
%RSD	2.0648	686.97	.48996	82.685	500.95	.24389	.24389	306.74	.04218	54585.
#1	.13242	-.00148	1.5527	-.00095	.00098	12.786	27.362	-.00013	.06487	-.00175
#2	.12861	.00097	1.5420	-.00364	-.00055	12.830	27.456	.00036	.06491	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01251**	**.00059**	**-.00781**	**.00279**	**.00596**	**.00269**
Stddev	.00002	.00089	.02040	.00016	.00023	.00091
%RSD	.15811	151.67	261.21	5.8481	3.8812	33.811
#1	.01253	-.00004	-.02224	.00268	.00579	.00205
#2	.01250	.00122	.00662	.00291	.00612	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.4**	**112290.**	**6529.8**
Stddev	25.3	420.	2.6
%RSD	.30130	.37417	.03969
#1	8368.5	112590.	6527.9
#2	8404.2	112000.	6531.6

Sample Name: 280-48718-g-5-c Acquired: 11/12/2013 2:06:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.13574**	**.00411**	**.01098**	**.01365**	**-.00007**	**-.00329**	**10.774**	**.00012**	**.00031**
Stddev	.00002	.00006	.00116	.00007	.00029	.00008	.00053	.029	.00005	.00004
%RSD	49.449	.04060	28.286	.60436	2.1308	101.73	16.046	.26548	40.267	11.541
#1	.00003	.13578	.00493	.01102	.01344	-.00013	-.00292	10.795	.00008	.00029
#2	.00006	.13571	.00329	.01093	.01386	-.00002	-.00366	10.754	.00015	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00164**	**.47229**	**1.2600**	**.00137**	**3.7734**	**.04365**	**.00025**	**6.1856**	**.00083**
Stddev	.00003	.00015	.00550	.0183	.00198	.0157	.00009	.00002	.0014	.00002
%RSD	8.4151	9.1440	1.1644	1.4526	144.39	.41703	.20341	6.4969	.02247	2.3791
#1	.00036	.00175	.47618	1.2729	-.00003	3.7845	.04358	.00024	6.1846	.00085
#2	.00032	.00154	.46840	1.2470	.00277	3.7623	.04371	.00026	6.1866	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04948**	**-.00087**	**1.2771**	**-.00128**	**.00065**	**9.3859**	**20.086**	**.00020**	**.05849**	**-.00072**
Stddev	.00086	.00048	.0026	.00132	.00136	.0929	.199	.00023	.00009	.00157
%RSD	1.7464	55.678	.20350	103.10	208.49	.98999	.98999	111.95	.16212	218.44
#1	.04887	-.00053	1.2789	-.00035	-.00031	9.4516	20.226	.00004	.05856	-.00183
#2	.05009	-.00121	1.2753	-.00221	.00161	9.3201	19.945	.00037	.05842	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00840**	**.00010**	**.01754**	**.00206**	**.00479**	**.00110**
Stddev	.00026	.00024	.00406	.00022	.00038	.00117
%RSD	3.1340	255.03	23.166	10.723	7.9404	105.92
#1	.00821	-.00008	.02041	.00191	.00506	.00193
#2	.00858	.00027	.01466	.00222	.00452	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8407.2**	**113270.**	**6546.8**
Stddev	39.4	401.	11.0
%RSD	.46858	.35429	.16830
#1	8379.3	112990.	6554.6
#2	8435.0	113560.	6539.1

Sample Name: 280-48718-g-5-cSD@5 Acquired: 11/12/2013 2:08:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.03360**	**.00138**	**.00400**	**.00299**	**-.00008**	**.00023**	**2.1598**	**-.00001**	**.00034**
Stddev	.00025	.00010	.00062	.00084	.00007	.00008	.00312	.0080	.00009	.00015
%RSD	55.655	.29340	44.905	20.982	2.4391	103.22	1335.0	.36909	1032.0	44.126
#1	.00027	.03367	.00094	.00460	.00304	-.00002	-.00197	2.1654	.00005	.00024
#2	.00061	.03353	.00182	.00341	.00294	-.00013	.00244	2.1541	-.00007	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00038**	**.10768**	**.21337**	**-.00350**	**.76332**	**.00900**	**-.00010**	**1.2353**	**.00068**
Stddev	.00007	.00024	.00108	.02212	.00289	.00275	.00002	.00030	.0040	.00016
%RSD	2890.4	61.876	1.0037	10.368	82.429	.36046	.17975	288.62	.32657	24.275
#1	-.00005	.00021	.10844	.19772	-.00146	.76527	.00899	.00011	1.2381	.00079
#2	.00006	.00055	.10691	.22901	-.00555	.76138	.00901	-.00032	1.2324	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00602**	**.00009**	**.24888**	**-.00465**	**.00037**	**1.8583**	**3.9768**	**.00222**	**.01162**	**-.00060**
Stddev	.00083	.00004	.00196	.00361	.00309	.0135	.0289	.00036	.00016	.00045
%RSD	13.728	43.807	.78874	77.542	845.30	.72608	.72608	16.002	1.3413	75.220
#1	.00660	.00012	.25027	-.00721	-.00182	1.8678	3.9972	.00247	.01173	-.00028
#2	.00543	.00006	.24749	-.00210	.00255	1.8488	3.9563	.00197	.01151	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**-.00062**	**.01674**	**.00066**	**.00679**	**.00337**
Stddev	.00009	.00002	.02921	.00009	.00024	.00203
%RSD	6.7704	3.4889	174.43	13.595	3.5016	60.210
#1	.00125	-.00063	-.00391	.00072	.00662	.00481
#2	.00138	-.00060	.03740	.00059	.00695	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8359.2**	**112350.**	**6440.3**
Stddev	16.8	657.	7.9
%RSD	.20076	.58473	.12224
#1	8371.0	112820.	6434.7
#2	8347.3	111890.	6445.9

Sample Name: 280-48718-g-5-d ms Acquired: 11/12/2013 2:10:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04988	2.1539	.97652	.99581	1.9942	.04727	F 2.2088	57.424	.10348	.47833
Stddev	.00055	.0001	.00695	.00219	.0004	.00020	.0057	.207	.00026	.00090
%RSD	1.1046	.00345	.71182	.21964	.01894	.43290	.25897	.36025	.25282	.18764
#1	.05027	2.1539	.97160	.99427	1.9945	.04712	2.2047	57.278	.10366	.47770
#2	.04949	2.1540	.98143	.99736	1.9939	.04741	2.2128	57.570	.10329	.47897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19889	.25311	1.4099	52.311	.98289	52.194	.51974	.99774	58.316	.48542
Stddev	.00041	.00003	.0025	.219	.00096	.176	.00007	.00060	.929	.00060
%RSD	.20471	.01308	.17716	.41796	.09782	.33797	.01442	.06048	1.5937	.12423
#1	.19860	.25313	1.4081	52.157	.98221	52.319	.51969	.99732	57.658	.48584
#2	.19918	.25309	1.4116	52.466	.98356	52.070	.51979	.99817	58.973	.48499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.013	.48079	1.1673	.47915	1.9473	18.778	40.185	1.9770	1.0358	.96997
Stddev	.004	.00010	.0024	.00353	.0193	.108	.231	.0110	.0001	.00081
%RSD	.03663	.02123	.20430	.73707	.99353	.57486	.57486	.55764	.01345	.08341
#1	10.011	.48086	1.1656	.47666	1.9336	18.702	40.022	1.9692	1.0357	.96940
#2	10.016	.48071	1.1689	.48165	1.9610	18.855	40.349	1.9848	1.0359	.97054
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98123	1.9014	2.0816	.49616	.49321	.49734
Stddev	.00055	.0122	.0258	.00142	.00109	.00386
%RSD	.05609	.64234	1.2383	.28603	.22125	.77555
#1	.98162	1.8928	2.0634	.49717	.49398	.49462
#2	.98084	1.9100	2.0998	.49516	.49244	.50007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8039.4	106820.	6423.3
Stddev	12.6	566.	23.5
%RSD	.15648	.52999	.36597
#1	8030.5	106420.	6440.0
#2	8048.3	107220.	6406.7

Sample Name: 280-48718-g-5-e msd Acquired: 11/12/2013 2:12:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05097**	**2.1985**	**1.0041**	**1.0288**	**2.0478**	**.04873**	F **2.2699**	**59.170**	**.10641**	**.49100**
Stddev	.00039	.0014	.0052	.0006	.0029	.00016	.0025	.230	.00001	.00004
%RSD	.76548	.06249	.52041	.05626	.14406	.33327	.11179	.38818	.01193	.00780
#1	.05125	2.1975	1.0078	1.0292	2.0499	.04861	2.2681	59.332	.10642	.49098
#2	.05070	2.1995	1.0004	1.0284	2.0457	.04884	2.2717	59.008	.10640	.49103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20415**	**.26023**	**1.4431**	**53.830**	**1.0119**	**53.792**	**.53527**	**1.0278**	**60.389**	**.49774**
Stddev	.00017	.00105	.0115	.185	.0032	.060	.00243	.0009	.430	.00013
%RSD	.08155	.40174	.79584	.34324	.31804	.11123	.45437	.08521	.71286	.02639
#1	.20427	.26097	1.4350	53.961	1.0142	53.834	.53699	1.0284	60.085	.49765
#2	.20404	.25949	1.4513	53.699	1.0096	53.750	.53355	1.0272	60.694	.49783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.269**	**.49201**	**1.2270**	**.49015**	**1.9928**	**19.695**	**42.147**	W **2.0311**	**1.0646**	**.99742**
Stddev	.015	.00029	.0009	.00173	.0034	.050	.108	.0003	.0011	.00293
%RSD	.14706	.05944	.07320	.35339	.16961	.25638	.25638	.01417	.10544	.29422
#1	10.258	.49221	1.2264	.49137	1.9952	19.659	42.070	2.0309	1.0654	.99949
#2	10.279	.49180	1.2277	.48892	1.9904	19.730	42.223	2.0313	1.0638	.99534
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0126**	**1.9392**	**2.1655**	**.50992**	**.50628**	**.51518**
Stddev	.0040	.0022	.0391	.00119	.00077	.00121
%RSD	.39646	.11130	1.8070	.23349	.15191	.23464
#1	1.0154	1.9376	2.1932	.50908	.50682	.51433
#2	1.0097	1.9407	2.1378	.51076	.50574	.51603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8024.0**	**106880.**	**6344.8**
Stddev	5.1	251.	84.0
%RSD	.06304	.23446	1.3246
#1	8027.6	106700.	6285.4
#2	8020.4	107060.	6404.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 2:15:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**51.361**	**-.00025**	**.00370**	**.00030**	**-.00008**	W **1.0900**	**.02785**	**-.00034**	**-.00037**	**.00002**	**.01243**
Stddev	.00024	.195	.00402	.00029	.00024	.00015	.0097	.00314	.00000	.00018	.00028	.00015
%RSD	3.1162	.38003	1612.7	7.7289	81.462	195.10	.89072	11.271	1.2426	47.909	1115.9	1.1739
#1	.00743	51.499	.00260	.00350	.00047	.00003	1.0969	.02563	-.00034	-.00024	.00022	.01253
#2	.00776	51.223	-.00309	.00390	.00013	-.00019	1.0831	.03007	-.00034	-.00049	-.00017	.01233
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.038**	**.07124**	**-.00287**	**.09101**	**.00085**	**.00038**	**269.10**	**.00003**	**-.00084**	**-.00031**	**5.1688**	**-.00293**
Stddev	.227	.02696	.00011	.00183	.00003	.00012	.42	.00029	.00076	.00010	.0557	.00073
%RSD	.45328	37.843	3.8226	2.0061	2.9807	30.361	.15486	1026.3	90.785	33.307	1.0776	24.969
#1	49.878	.09031	-.00295	.08972	.00087	.00030	268.80	.00024	-.00030	-.00024	5.2081	-.00345
#2	50.198	.05218	-.00280	.09230	.00083	.00046	269.39	-.00018	-.00137	-.00039	5.1294	-.00241
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00469**	**.01936**	**.04142**	**-.00005**	**.00046**	**5.0374**	**-.01267**	**.00206**	F **6.3767**	**.00152**	**.00149**	**.06097**
Stddev	.00113	.00040	.00087	.00113	.00008	.0032	.00009	.00052	.0253	.00051	.00030	.00126
%RSD	24.118	2.0921	2.0921	2196.1	17.300	.06318	.73025	25.111	.39733	33.317	20.178	2.0621
#1	-.00389	.01964	.04203	-.00085	.00041	5.0397	-.01274	.00169	6.3946	.00188	.00128	.06008
#2	-.00549	.01907	.04081	.00075	.00052	5.0351	-.01261	.00242	6.3588	.00116	.00170	.06186
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.0**	**108030.**	**6557.2**
Stddev	14.4	779.	3.2
%RSD	.17543	.72130	.04880
#1	8199.2	108580.	6559.4
#2	8178.8	107480.	6554.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 2:17:29 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51320**	**.54680**	**1.0229**	**.51942**	**.51379**	**.49490**	**-.00439**	**5.0969**	**.51753**	**.51636**	**.51842**	**.51759**	**2.4599**
Stddev	.00060	.00084	.0021	.00329	.00008	.00061	.00036	.0060	.00156	.00204	.00238	.00068	.0061
%RSD	.11657	.15289	.20143	.63361	.01548	.12260	8.2310	.11827	.30193	.39470	.45904	.13080	.24707
#1	.51363	.54621	1.0215	.51710	.51374	.49533	-.00464	5.0926	.51642	.51492	.51673	.51807	2.4642
#2	.51278	.54739	1.0244	.52175	.51385	.49447	-.00413	5.1012	.51863	.51780	.52010	.51711	2.4556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.554**	**1.0179**	**20.385**	**.50479**	**.52324**	**5.2767**	**.52204**	**1.0330**	**1.0536**	**.00507**	**1.0340**	**1.0363**	**4.9431**
Stddev	.009	.0017	.029	.00088	.00041	.0149	.00208	.0034	.0010	.00056	.0019	.0034	.0410
%RSD	.01792	.16283	.14028	.17338	.07783	.28168	.39781	.32514	.09116	11.133	.18021	.32568	.82921
#1	52.561	1.0167	20.365	.50417	.52352	5.2873	.52058	1.0353	1.0543	.00467	1.0327	1.0339	4.9141
#2	52.548	1.0191	20.406	.50541	.52295	5.2662	.52351	1.0306	1.0530	.00547	1.0353	1.0386	4.9720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.578**	**1.0480**	**.50947**	**-.00384**	**.50127**	**1.0555**	**.01124**	**.50840**	**.51735**	**.50456**
Stddev	.088	.0023	.00045	.00109	.00062	.0005	.01335	.00040	.00000	.00519
%RSD	.82921	.21906	.08798	28.401	.12433	.04502	118.79	.07853	.00077	1.0279
#1	10.516	1.0463	.50979	-.00462	.50083	1.0558	.00180	.50868	.51736	.50089
#2	10.640	1.0496	.50916	-.00307	.50172	1.0551	.02068	.50811	.51735	.50822
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8288.2**	**111310.**	**6566.5**
Stddev	19.2	129.	29.9
%RSD	.23215	.11605	.45468
#1	8301.8	111400.	6587.6
#2	8274.6	111220.	6545.3

Sample Name: CCB Acquired: 11/12/2013 2:19:37 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00326**	**.00153**	**.00189**	**-.00022**	**.00008**	**-.00119**	**.00477**	**.00013**	**.00020**	**.00004**	**-.00008**
Stddev	.00072	.00039	.00022	.00010	.00011	.00005	.00008	.00183	.00019	.00003	.00003	.00011
%RSD	129.83	12.056	14.378	5.4035	51.945	64.912	6.8721	38.382	143.51	14.826	66.116	134.18
#1	.00005	-.00298	.00138	.00182	-.00030	.00011	-.00125	.00347	.00027	.00018	.00006	.00000
#2	.00106	-.00353	.00169	.00196	-.00014	.00004	-.00113	.00606	.00000	.00022	.00002	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.01898**	**-.00232**	**.00188**	**.00014**	**.00037**	**-.00952**	**.00045**	**-.00527**	**.00047**	**.01116**	W **.00470**
Stddev	.00153	.01817	.00139	.00113	.00002	.00013	.01867	.00005	.00036	.00050	.00357	.00034
%RSD	129.13	95.741	59.900	60.232	12.202	36.063	196.13	10.914	6.9210	105.64	31.991	7.2446
#1	-.00226	.03183	-.00331	.00108	.00013	.00047	.00368	.00042	-.00501	.00012	.00863	.00446
#2	-.00010	.00613	-.00134	.00268	.00015	.00028	-.02272	.00049	-.00552	.00082	.01368	.00494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00890**	**.01905**	**.00041**	**.00013**	**-.00103**	**-.00032**	**-.00060**	**.03877**	**.00071**	**.00310**	**.00065**
Stddev	.00079	.00872	.01866	.00022	.00009	.00159	.00025	.00059	.01264	.00013	.00020	.00122
%RSD	62.675	97.933	97.933	54.945	72.927	154.18	78.388	98.154	32.614	17.995	6.5672	188.60
#1	.00071	.01507	.03225	.00025	.00020	.00009	-.00014	-.00102	.04771	.00062	.00324	-.00022
#2	.00183	.00274	.00586	.00056	.00006	-.00216	-.00049	-.00018	.02983	.00080	.00296	.00151
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8343.4**	**112760.**	**6461.7**
Stddev	19.2	677.	23.4
%RSD	.22982	.60025	.36189
#1	8329.8	113240.	6445.1
#2	8356.9	112280.	6478.2

Sample Name: CCVL2372865 Acquired: 11/12/2013 2:21:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01103**	**.11139**	**.01568**	**.10351**	**.01030**	**.00099**	**.12654**	**.22150**	**.00538**	**.01089**	**.01052**	**.01561**	**.10256**
Stddev	.00062	.00031	.00223	.00010	.00048	.00006	.00124	.00185	.00001	.00007	.00014	.00014	.00497
%RSD	5.5914	.28158	14.200	.09287	4.6444	6.1899	.98267	.83717	.10516	.67201	1.2942	.88481	4.8463
#1	.01147	.11116	.01411	.10358	.00996	.00094	.12742	.22019	.00538	.01094	.01042	.01551	.10607
#2	.01059	.11161	.01726	.10344	.01064	.00103	.12566	.22281	.00537	.01083	.01062	.01571	.09904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1551**	F **.00685**	**.21325**	**.01043**	**.02069**	**1.0725**	**.04296**	**3.0293**	**.00887**	**.01117**	**.00960**	**.01470**	**.49327**
Stddev	.0015	.00294	.00407	.00008	.00014	.0213	.00001	.0043	.00003	.00272	.00024	.00060	.01011
%RSD	.04865	42.989	1.9080	.78769	.69282	1.9824	.01478	.14313	.28199	24.329	2.4644	4.0555	2.0499
#1	3.1561	.00893	.21037	.01049	.02059	1.0575	.04296	3.0262	.00885	.01309	.00943	.01512	.48612
#2	3.1540	.00477	.21613	.01037	.02079	1.0876	.04297	3.0323	.00889	.00924	.00976	.01428	.50042
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0556**	**.10684**	**.01029**	**.01598**	**.00932**	**.01617**	**.06164**	**.01042**	**.02568**	**.01641**
Stddev	.0216	.00095	.00014	.00081	.00029	.00092	.01281	.00045	.00007	.00170
%RSD	2.0499	.89241	1.3602	5.0916	3.1317	5.6724	20.788	4.3384	.27278	10.357
#1	1.0403	.10751	.01019	.01655	.00912	.01552	.05258	.01074	.02563	.01521
#2	1.0709	.10616	.01039	.01540	.00953	.01682	.07070	.01010	.02573	.01761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8393.5**	**113100.**	**6476.7**
Stddev	18.0	187.	29.3
%RSD	.21420	.16499	.45229
#1	8406.2	113240.	6456.0
#2	8380.8	112970.	6497.4

Sample Name: mb 280-200232/1-a Acquired: 11/12/2013 2:24:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	-.00290	-.00043	.00123	-.00043	-.00004	-.00008	.01396	.00008	.00026
Stddev	.00032	.00015	.00069	.00040	.00008	.00008	.00017	.00216	.00008	.00001
%RSD	50.251	5.2840	160.46	32.745	18.598	211.41	203.35	15.468	104.01	3.0263
#1	.00087	-.00279	-.00092	.00152	-.00038	.00002	-.00020	.01243	.00002	.00026
#2	.00041	-.00301	.00006	.00095	-.00049	-.00009	.00004	.01549	.00014	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	-.00001	-.00089	-.01568	-.00172	.00098	.00015	-.00016	-.01599	.00035
Stddev	.00009	.00003	.00026	.00898	.00014	.00252	.00000	.00010	.00130	.00002
%RSD	132.10	258.44	29.020	57.303	7.9126	257.02	2.0003	61.710	8.1201	4.5025
#1	.00013	-.00004	-.00107	-.02203	-.00181	-.00080	.00015	-.00009	-.01691	.00036
#2	.00000	.00001	-.00070	-.00932	-.00162	.00276	.00015	-.00023	-.01507	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00258	-.00047	F .01119	-.00204	-.00244	.00913	.01954	.00051	.00009	W .00076
Stddev	.00007	.00026	.00103	.00127	.00270	.00271	.00580	.00021	.00001	.00174
%RSD	2.7304	54.675	9.2253	62.481	110.90	29.668	29.668	41.633	7.6055	229.86
#1	-.00263	-.00065	.01192	-.00294	-.00053	.01104	.02363	.00036	.00009	.00199
#2	-.00253	-.00029	.01046	-.00114	-.00435	.00721	.01544	.00065	.00008	-.00047
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00046	-.00059	.01305	.00041	W .00521	-.00009
Stddev	.00035	.00086	.07263	.00014	.00028	.00112
%RSD	76.622	147.08	556.54	33.707	5.4395	1186.1
#1	-.00070	-.00119	-.03830	.00051	.00501	.00070
#2	-.00021	.00002	.06440	.00032	.00541	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8457.2	114870.	6547.2
Stddev	21.9	87.	22.3
%RSD	.25944	.07597	.33986
#1	8472.7	114930.	6563.0
#2	8441.7	114810.	6531.5

Sample Name: lcs 280-200232/2-a Acquired: 11/12/2013 2:26:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05276**	**2.0524**	**1.0208**	**1.0407**	**2.0913**	**.05037**	**2.3396**	**49.711**	**.10950**	**.50397**
Stddev	.00006	.0049	.0002	.0008	.0007	.00011	.0019	.122	.00001	.00059
%RSD	.10443	.23859	.02149	.08140	.03393	.21771	.08284	.24453	.00988	.11777
#1	.05272	2.0559	1.0207	1.0413	2.0919	.05029	2.3382	49.625	.10951	.50439
#2	.05280	2.0490	1.0210	1.0401	2.0908	.05044	2.3410	49.797	.10949	.50355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20820**	**.26595**	**.98690**	**53.520**	**1.0316**	**50.826**	**.50345**	**1.0415**	**55.573**	**.50957**
Stddev	.00025	.00003	.00747	.186	.0004	.113	.00106	.0010	.178	.00034
%RSD	.12194	.01125	.75665	.34800	.04186	.22139	.20959	.09128	.32054	.06589
#1	.20838	.26597	.98162	53.652	1.0313	50.905	.50419	1.0422	55.447	.50933
#2	.20802	.26593	.99218	53.388	1.0319	50.746	.50270	1.0408	55.699	.50980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.504**	**.50617**	**.00048**	**.50346**	**2.0507**	**10.018**	**21.438**	**2.0556**	**1.0342**	**1.0310**
Stddev	.016	.00189	.00206	.00264	.0070	.018	.039	.0060	.0001	.0042
%RSD	.15347	.37279	431.54	.52354	.34387	.18346	.18346	.29003	.00609	.40772
#1	10.515	.50751	-.00098	.50159	2.0457	10.005	21.410	2.0514	1.0342	1.0340
#2	10.492	.50484	.00193	.50532	2.0557	10.031	21.466	2.0599	1.0343	1.0281
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0166**	**2.0020**	**2.1921**	**.51641**	**.50816**	**.52683**
Stddev	.0003	.0083	.0361	.00112	.00290	.00195
%RSD	.02979	.41198	1.6487	.21747	.57085	.36929
#1	1.0164	1.9962	2.2177	.51562	.50611	.52546
#2	1.0168	2.0078	2.1666	.51721	.51021	.52821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8174.9**	**109430.**	**6590.2**
Stddev	6.3	268.	27.2
%RSD	.07722	.24510	.41267
#1	8170.4	109620.	6571.0
#2	8179.3	109240.	6609.4

Sample Name: 280-48963-c-2-a Acquired: 11/12/2013 2:28:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**3.3199**	**.00247**	**.01541**	**.05547**	**.00015**	**-.00469**	**29.331**	**.00045**	**.00166**
Stddev	.00033	.0146	.00278	.00079	.00003	.00010	.00062	.097	.00005	.00017
%RSD	150.96	.43915	112.20	5.1063	.04995	67.202	13.277	.32923	11.675	10.465
#1	-.00001	3.3096	.00444	.01597	.05545	.00022	-.00425	29.263	.00041	.00178
#2	.00045	3.3302	.00051	.01486	.05549	.00008	-.00513	29.399	.00048	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**.02876**	**3.4917**	**2.6942**	**.00781**	**6.9742**	**.22910**	**.00706**	**18.900**	**.00569**
Stddev	.00002	.00015	.0127	.0055	.00304	.0004	.00033	.00000	.088	.00000
%RSD	.66069	.52116	.36288	.20548	38.864	.00498	.14415	.00005	.46390	.08477
#1	.00317	.02887	3.5006	2.6981	.00566	6.9744	.22887	.00706	18.838	.00570
#2	.00314	.02865	3.4827	2.6903	.00996	6.9739	.22933	.00706	18.962	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05558**	**.01662**	**15.328**	**-.00123**	**.00156**	**9.6115**	**20.569**	**.00168**	**.20021**	**.00205**
Stddev	.00066	.00046	.031	.00076	.00007	.0890	.190	.00093	.00051	.00285
%RSD	1.1917	2.7680	.19993	61.653	4.6439	.92606	.92606	55.549	.25669	139.45
#1	.05511	.01630	15.306	-.00176	.00151	9.6744	20.703	.00102	.20057	.00406
#2	.05605	.01695	15.350	-.00069	.00162	9.5485	20.434	.00234	.19985	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08431**	**.00140**	**-.00797**	**.00560**	**.04433**	**.00518**
Stddev	.00037	.00054	.01460	.00020	.00010	.00022
%RSD	.44208	38.853	183.12	3.6176	.21847	4.1580
#1	.08405	.00178	-.01830	.00574	.04440	.00533
#2	.08458	.00101	.00235	.00546	.04426	.00502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8487.0**	**113300.**	**6739.2**
Stddev	29.5	108.	14.8
%RSD	.34814	.09513	.21905
#1	8466.1	113370.	6749.7
#2	8507.9	113220.	6728.8

Sample Name: 280-48963-c-2-aSD@5 Acquired: 11/12/2013 2:30:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.71826**	**.00080**	**.00408**	**.01177**	**.00002**	**-.00003**	**6.2084**	**.00000**	**.00033**
Stddev	.00038	.00080	.00014	.00041	.00020	.00003	.00082	.0769	.00004	.00015
%RSD	72.660	.11097	17.338	10.141	1.6973	163.04	2691.7	1.2391	853.00	46.107
#1	.00079	.71882	.00071	.00438	.01163	.00004	.00055	6.1540	.00003	.00023
#2	.00026	.71770	.00090	.00379	.01191	.00000	-.00061	6.2628	-.00002	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00620**	**.74856**	**.49847**	**.00210**	**1.4749**	**.04864**	**.00145**	**3.7033**	**.00175**
Stddev	.00007	.00059	.00904	.03586	.00034	.0085	.00012	.00002	.0345	.00005
%RSD	12.181	9.4584	1.2077	7.1941	16.003	.57435	.24516	1.2558	.93129	2.6417
#1	.00064	.00578	.74217	.52383	.00234	1.4809	.04872	.00146	3.6789	.00178
#2	.00054	.00661	.75496	.47311	.00186	1.4689	.04855	.00144	3.7277	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00900**	**.00280**	**3.1638**	**-.00077**	**.00117**	**2.0129**	**4.3076**	**.00211**	**.04282**	**-.00118**
Stddev	.00141	.00162	.0106	.00022	.00069	.0147	.0315	.00011	.00003	.00137
%RSD	15.692	58.060	.33573	28.726	58.477	.73085	.73085	5.0015	.06387	116.27
#1	.01000	.00165	3.1563	-.00093	.00069	2.0233	4.3299	.00203	.04280	-.00021
#2	.00800	.00395	3.1713	-.00061	.00166	2.0025	4.2853	.00218	.04284	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01603**	**-.00017**	**.00652**	**.00143**	**.01475**	**.00401**
Stddev	.00025	.00025	.01493	.00011	.00006	.00154
%RSD	1.5461	145.99	229.07	7.5328	.41091	38.465
#1	.01585	-.00034	.01708	.00135	.01480	.00510
#2	.01620	.00001	-.00404	.00151	.01471	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8571.5**	**115760.**	**6670.3**
Stddev	17.1	728.	26.6
%RSD	.19971	.62913	.39949
#1	8583.6	115250.	6689.1
#2	8559.4	116280.	6651.4

Sample Name: 280-48963-c-2-b ms Acquired: 11/12/2013 2:33:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05144**	**6.5139**	**1.0044**	**1.0222**	**2.1178**	**.04894**	F **2.2672**	**77.410**	**.10683**	**.49170**
Stddev	.00086	.0222	.0004	.0003	.0007	.00027	.0030	.011	.00010	.00064
%RSD	1.6711	.34147	.04141	.03251	.03214	.55757	.13120	.01479	.09097	.13087
#1	.05083	6.5296	1.0041	1.0220	2.1183	.04913	2.2651	77.402	.10689	.49124
#2	.05205	6.4982	1.0047	1.0225	2.1173	.04875	2.2693	77.418	.10676	.49215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20657**	**.28935**	**4.3656**	**55.594**	**1.0263**	**56.598**	**.71828**	**1.0209**	**72.102**	**.50054**
Stddev	.00047	.00037	.0001	.022	.0007	.005	.00130	.0009	.080	.00076
%RSD	.22896	.12842	.00183	.03890	.06383	.00838	.18082	.09083	.11074	.15117
#1	.20624	.28961	4.3655	55.578	1.0258	56.595	.71920	1.0202	72.045	.50107
#2	.20691	.28909	4.3656	55.609	1.0267	56.602	.71736	1.0215	72.158	.50000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.338**	**.50563**	**15.389**	**.49131**	**1.9866**	**20.983**	**44.903**	**1.9923**	**1.2164**	**1.0115**
Stddev	.028	.00032	.008	.00101	.0042	.009	.020	.0054	.0006	.0002
%RSD	.27154	.06265	.05503	.20655	.21231	.04420	.04420	.27217	.04883	.02031
#1	10.318	.50541	15.383	.49203	1.9836	20.976	44.889	1.9884	1.2168	1.0113
#2	10.358	.50586	15.395	.49059	1.9896	20.989	44.917	1.9961	1.2160	1.0116
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0826**	**1.9286**	**2.1701**	**.51591**	**.54053**	**.51156**
Stddev	.0006	.0000	.0279	.00217	.00107	.00216
%RSD	.05991	.00088	1.2834	.42087	.19863	.42230
#1	1.0831	1.9286	2.1898	.51437	.53977	.51308
#2	1.0822	1.9286	2.1504	.51745	.54129	.51003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8181.6**	**108490.**	**6628.8**
Stddev	26.8	268.	68.7
%RSD	.32795	.24740	1.0368
#1	8200.6	108300.	6677.4
#2	8162.7	108680.	6580.2

Sample Name: 280-48963-c-2-c msd Acquired: 11/12/2013 2:35:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**6.3166**	**.98699**	**1.0095**	**2.0731**	**.04825**	F **2.2304**	**75.612**	**.10552**	**.48305**
Stddev	.00130	.0465	.00232	.0037	.0024	.00006	.0126	.172	.00041	.00051
%RSD	2.5329	.73643	.23478	.36259	.11410	.13462	.56560	.22710	.39057	.10660
#1	.05214	6.3495	.98535	1.0069	2.0714	.04821	2.2215	75.734	.10522	.48269
#2	.05030	6.2837	.98863	1.0121	2.0748	.04830	2.2394	75.491	.10581	.48342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20258**	**.28370**	**4.2544**	**54.602**	**1.0063**	**55.522**	**.70062**	**1.0083**	**70.532**	**.49200**
Stddev	.00037	.00112	.0023	.022	.0021	.111	.00032	.0022	.134	.00097
%RSD	.18036	.39348	.05387	.03981	.20857	.19929	.04599	.21542	.19016	.19814
#1	.20232	.28449	4.2560	54.617	1.0078	55.600	.70085	1.0067	70.438	.49131
#2	.20284	.28291	4.2528	54.586	1.0048	55.444	.70039	1.0098	70.627	.49269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.154**	**.49545**	**14.840**	**.48523**	**1.9618**	**20.787**	**44.484**	**1.9694**	**1.1884**	**.99215**
Stddev	.022	.00141	.028	.00056	.0144	.126	.269	.0063	.0008	.00194
%RSD	.21961	.28478	.18823	.11478	.73353	.60546	.60546	.32254	.06903	.19571
#1	10.138	.49445	14.820	.48484	1.9516	20.876	44.675	1.9649	1.1878	.99077
#2	10.170	.49645	14.859	.48562	1.9720	20.698	44.294	1.9739	1.1890	.99352
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0704**	**1.8920**	**2.1181**	**.50496**	**.52870**	**.51204**
Stddev	.0013	.0070	.0183	.00065	.00042	.00411
%RSD	.12169	.37091	.86234	.12875	.08008	.80208
#1	1.0694	1.8870	2.1310	.50542	.52840	.51494
#2	1.0713	1.8969	2.1052	.50450	.52900	.50913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.1**	**109120.**	**6608.3**
Stddev	.5	671.	2.3
%RSD	.00574	.61494	.03528
#1	8194.7	109600.	6606.6
#2	8195.4	108650.	6609.9

Sample Name: 280-48983-f-1-a Acquired: 11/12/2013 2:37:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.21268**	**-.00069**	**.01342**	**.06495**	**-.00002**	**-.00232**	**38.822**	**.00004**	**.00011**
Stddev	.00019	.00123	.00162	.00039	.00049	.00011	.00047	.062	.00000	.00007
%RSD	21.654	.57856	233.70	2.8720	.75962	470.20	20.169	.16094	.10688	62.271
#1	.00074	.21181	-.00184	.01369	.06460	-.00011	-.00265	38.778	.00004	.00016
#2	.00101	.21355	.00045	.01314	.06530	.00006	-.00199	38.866	.00004	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00072**	**.18663**	**1.3873**	**.00813**	**8.1670**	**.01669**	**.00137**	**11.914**	**.00090**
Stddev	.00004	.00020	.00032	.0244	.00397	.0235	.00003	.00003	.088	.00008
%RSD	9.4919	26.902	.17186	1.7552	48.822	.28734	.17841	2.2976	.73650	9.3466
#1	.00043	.00086	.18640	1.4045	.01093	8.1836	.01671	.00139	11.852	.00096
#2	.00049	.00059	.18686	1.3701	.00532	8.1504	.01667	.00134	11.976	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**-.00087**	**16.615**	**-.00159**	**-.00125**	**6.1097**	**13.075**	**.00010**	**.33234**	**.00084**
Stddev	.00017	.00137	.036	.00078	.00271	.0503	.108	.00051	.00117	.00115
%RSD	4.9286	157.00	.21849	49.266	216.25	.82302	.82302	492.11	.35170	136.33
#1	.00350	-.00184	16.641	-.00214	.00066	6.0742	12.999	.00046	.33151	.00003
#2	.00327	.00010	16.590	-.00103	-.00317	6.1453	13.151	-.00026	.33317	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.00111**	**.01856**	**.00115**	**.00293**	**.00386**
Stddev	.00029	.00030	.00480	.00031	.00030	.00003
%RSD	6.1012	27.023	25.870	26.753	10.280	.87395
#1	.00494	.00132	.02196	.00136	.00271	.00388
#2	.00453	.00090	.01517	.00093	.00314	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8424.3**	**113620.**	**6764.4**
Stddev	5.3	371.	19.5
%RSD	.06278	.32622	.28896
#1	8428.1	113360.	6778.3
#2	8420.6	113880.	6750.6

Sample Name: 280-48983-f-1-b ms Acquired: 11/12/2013 2:39:47 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05190**	**2.2154**	W **2.4588**	**1.0058**	**1.0188**	**2.0911**	**.04858**	F **2.2711**	**85.842**	**.10654**
Stddev	.00072	.0074	.0189	.0016	.0016	.0018	.00008	.0034	.041	.00031
%RSD	1.3935	.33356	.76722	.15987	.15422	.08740	.16717	.15182	.04781	.28978
#1	.05241	2.2102	2.4454	1.0069	1.0177	2.0924	.04853	2.2735	85.871	.10676
#2	.05139	2.2207	2.4721	1.0047	1.0199	2.0898	.04864	2.2686	85.813	.10632
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48639**	**.20233**	**.26010**	**1.1479**	**53.430**	**1.0127**	**57.270**	**.50509**	**1.0120**	**65.387**
Stddev	.00066	.00058	.00037	.0038	.057	.0018	.008	.00003	.0018	.501
%RSD	.13508	.28666	.14059	.33386	.10610	.17835	.01379	.00570	.18065	.76609
#1	.48686	.20192	.25985	1.1452	53.390	1.0140	57.264	.50507	1.0133	65.032
#2	.48593	.20274	.26036	1.1506	53.470	1.0115	57.275	.50511	1.0107	65.741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49256**	W **10.315**	**.48545**	**16.735**	**.48947**	**1.9890**	**15.821**	**33.858**	**1.9784**	**1.3298**
Stddev	.00126	.000	.00129	.018	.00108	.0049	.020	.042	.0006	.0000
%RSD	.25574	.00324	.26606	.10694	.22129	.24597	.12532	.12532	.02866	.00161
#1	.49167	10.315	.48454	16.748	.49023	1.9924	15.835	33.888	1.9780	1.3298
#2	.49345	10.315	.48636	16.723	.48870	1.9855	15.807	33.828	1.9788	1.3298
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0003**	**.99272**	**1.9134**	**2.1390**	**.50436**	**.49166**	**.50693**
Stddev	.0027	.00112	.0002	.0393	.00271	.00324	.00099
%RSD	.27448	.11303	.01120	1.8377	.53681	.65871	.19584
#1	1.0023	.99193	1.9135	2.1112	.50245	.48937	.50763
#2	.99839	.99352	1.9132	2.1668	.50628	.49395	.50623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.3**	**109360.**	**6677.9**
Stddev	23.6	696.	50.5
%RSD	.28782	.63612	.75601
#1	8213.0	109850.	6713.6
#2	8179.6	108870.	6642.2

Sample Name: 280-48983-f-1-c msd Acquired: 11/12/2013 2:41:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**2.1722**	W **2.3817**	**.98614**	**1.0151**	**2.0855**	**.04837**	F **2.2448**	**85.254**	**.10503**
Stddev	.00028	.0019	.0302	.00030	.0002	.0157	.00047	.0023	.839	.00022
%RSD	.55703	.08881	1.2661	.03036	.01578	.75412	.97089	.10243	.98455	.21179
#1	.05043	2.1708	2.4031	.98636	1.0150	2.0967	.04870	2.2464	85.847	.10487
#2	.05083	2.1735	2.3604	.98593	1.0152	2.0744	.04803	2.2431	84.660	.10518
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48063**	**.19939**	**.25677**	**1.1356**	**53.325**	**1.0100**	**56.145**	**.49787**	**1.0051**	**65.755**
Stddev	.00009	.00005	.00117	.0112	.585	.0060	.116	.00006	.0025	.673
%RSD	.01933	.02345	.45616	.98949	1.0962	.58958	.20689	.01147	.24493	1.0242
#1	.48057	.19936	.25595	1.1435	53.738	1.0142	56.227	.49791	1.0068	66.232
#2	.48070	.19943	.25760	1.1276	52.911	1.0057	56.063	.49783	1.0034	65.279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48617**	W **10.183**	**.47980**	**16.517**	**.48761**	**1.9686**	**15.774**	**33.756**	**1.9649**	**1.3243**
Stddev	.00003	.001	.00048	.041	.00201	.0021	.274	.587	.0036	.0123
%RSD	.00630	.00739	.10070	.24736	.41266	.10528	1.7401	1.7401	.18435	.93091
#1	.48620	10.183	.48014	16.488	.48903	1.9700	15.968	34.171	1.9624	1.3331
#2	.48615	10.184	.47946	16.546	.48619	1.9671	15.580	33.341	1.9675	1.3156
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99044**	**.98583**	**1.8885**	**2.1184**	**.49791**	**.48313**	**.50724**
Stddev	.00091	.00020	.0002	.0041	.00007	.00191	.00815
%RSD	.09143	.02069	.01189	.19479	.01408	.39584	1.6066
#1	.98980	.98598	1.8883	2.1214	.49796	.48448	.51300
#2	.99108	.98569	1.8886	2.1155	.49786	.48177	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8278.7**	**110220.**	**6652.4**
Stddev	2.8	485.	141.2
%RSD	.03345	.43995	2.1231
#1	8276.7	109870.	6552.5
#2	8280.6	110560.	6752.3

Sample Name: CCVH-2372891 Acquired: 11/12/2013 2:43:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**50.547**	**.00160**	**.00274**	**.00020**	**-.00007**	W **1.0890**	**.04194**	**-.00001**	**-.00016**	**-.00004**	**.01110**
Stddev	.00039	.091	.00083	.00093	.00016	.00014	.0030	.01820	.00018	.00013	.00010	.00019
%RSD	5.1549	.18067	52.087	34.098	82.477	218.93	.27348	43.384	1469.3	81.693	259.52	1.6844
#1	.00791	50.612	.00219	.00339	.00032	-.00017	1.0911	.05481	-.00014	-.00025	.00003	.01123
#2	.00735	50.483	.00101	.00208	.00008	.00004	1.0869	.02908	.00011	-.00007	-.00011	.01097
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.624**	**.09600**	**.00018**	**.08788**	**.00074**	**.00025**	**265.24**	**.00029**	**-.00018**	**-.00075**	**5.1895**	**.00062**
Stddev	.652	.05131	.00068	.00110	.00002	.00008	.62	.00004	.00066	.00067	.0147	.00234
%RSD	1.3400	53.448	370.75	1.2503	2.8405	32.450	.23320	13.733	365.05	89.195	.28234	379.32
#1	49.084	.05972	-.00030	.08865	.00076	.00031	265.67	.00032	.00029	-.00028	5.1792	.00228
#2	48.163	.13228	.00067	.08710	.00073	.00019	264.80	.00026	-.00065	-.00122	5.1999	-.00104
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00545**	**.02345**	**.05018**	**.00025**	**.00053**	**4.9867**	**-.01241**	**.00166**	F **5.3876**	**.00112**	**.00104**	**.05612**
Stddev	.00208	.01316	.02816	.00001	.00039	.0083	.00007	.00116	.0139	.00010	.00011	.00209
%RSD	38.216	56.111	56.111	4.1157	73.378	.16649	.59139	69.774	.25745	9.0449	10.491	3.7175
#1	-.00693	.03275	.07009	.00025	.00081	4.9808	-.01246	.00247	5.3974	.00105	.00112	.05760
#2	-.00398	.01415	.03027	.00026	.00026	4.9925	-.01235	.00084	5.3778	.00119	.00097	.05465
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8377.1**	**111030.**	**6810.3**
Stddev	14.0	297.	30.4
%RSD	.16696	.26746	.44606
#1	8387.0	111240.	6788.8
#2	8367.2	110820.	6831.8

Sample Name: CCV-2372889 Acquired: 11/12/2013 2:46:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50057**	**.52379**	**.99928**	**.51104**	**.50258**	**.48383**	**-.00326**	**4.9214**	**.50711**	**.50475**	**.50413**	**.50915**	**2.3901**
Stddev	.00108	.00077	.00694	.00455	.00124	.00061	.00189	.0502	.00210	.00088	.00123	.00189	.0164
%RSD	.21587	.14737	.69440	.88976	.24602	.12567	57.944	1.0191	.41323	.17428	.24362	.37151	.68531
#1	.50134	.52433	1.0042	.51426	.50171	.48340	-.00192	4.9569	.50860	.50537	.50500	.51048	2.4017
#2	.49981	.52324	.99437	.50783	.50346	.48426	-.00460	4.8859	.50563	.50413	.50327	.50781	2.3785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.955**	**.99188**	**19.601**	**.49320**	**.51079**	**5.1622**	**.51005**	**1.0102**	**1.0277**	**.00571**	**1.0334**	**1.0125**	**4.7655**
Stddev	.018	.00118	.035	.00051	.00082	.0041	.00456	.0022	.0007	.00145	.0036	.0019	.0585
%RSD	.03572	.11900	.18108	.10282	.16082	.07879	.89337	.21708	.06896	25.454	.35002	.18852	1.2271
#1	50.942	.99104	19.626	.49356	.51137	5.1593	.51327	1.0118	1.0282	.00674	1.0360	1.0139	4.8069
#2	50.968	.99271	19.575	.49285	.51021	5.1650	.50682	1.0087	1.0272	.00468	1.0309	1.0112	4.7241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.198**	**1.0128**	**.49872**	**-.00449**	**.49206**	**1.0348**	**-.00063**	**.49530**	**.49453**	**.49172**
Stddev	.125	.0007	.00115	.00091	.00030	.0055	.02259	.00049	.00128	.00535
%RSD	1.2271	.07135	.23081	20.322	.06039	.52963	3572.8	.09978	.25884	1.0887
#1	10.287	1.0122	.49790	-.00513	.49227	1.0387	.01534	.49565	.49363	.49551
#2	10.110	1.0133	.49953	-.00384	.49185	1.0309	-.01660	.49495	.49544	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8564.3**	**114780.**	**6914.8**
Stddev	9.4	115.	62.4
%RSD	.10971	.10034	.90232
#1	8557.6	114860.	6870.7
#2	8570.9	114700.	6958.9

Sample Name: CCB Acquired: 11/12/2013 2:48:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00407**	**.00131**	**.00141**	**-.00035**	**.00010**	**.00040**	**.00881**	**-.00011**	**.00024**	**.00006**	**-.00012**
Stddev	.00005	.00009	.00227	.00001	.00010	.00017	.00092	.00461	.00009	.00023	.00010	.00041
%RSD	19.610	2.2290	173.01	.73444	29.286	163.50	233.32	52.315	80.545	93.762	164.12	356.54
#1	.00029	-.00400	.00292	.00142	-.00027	.00022	-.00026	.01207	-.00018	.00040	-.00001	-.00041
#2	.00022	-.00413	-.00029	.00140	-.00042	-.00002	.00105	.00555	-.00005	.00008	.00013	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.01166**	**-.00075**	**.00078**	**.00009**	**.00018**	**-.00794**	**.00065**	**-.00395**	**-.00023**	**.01004**	W **.00353**
Stddev	.00182	.01871	.00141	.00207	.00003	.00018	.01101	.00010	.00116	.00107	.00374	.00105
%RSD	124.70	160.50	187.76	264.35	29.232	100.03	138.76	16.072	29.250	457.44	37.205	29.895
#1	-.00017	.02489	-.00175	.00225	.00007	.00031	-.00015	.00072	-.00477	-.00099	.01268	.00278
#2	-.00275	-.00157	.00025	-.00068	.00011	.00005	-.01573	.00058	-.00313	.00052	.00740	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.02015**	**.04313**	**.00031**	**.00019**	**-.00030**	**-.00056**	**-.00110**	**.00940**	**.00018**	**.00250**	**.00205**
Stddev	.00266	.00331	.00708	.00030	.00003	.00117	.00001	.00068	.02472	.00012	.00005	.00148
%RSD	488.43	16.412	16.412	97.998	15.525	387.28	2.5744	62.135	263.01	66.683	1.9453	72.368
#1	-.00242	.02249	.04813	.00052	.00021	.00052	-.00055	-.00158	-.00808	.00010	.00253	.00100
#2	.00133	.01781	.03812	.00009	.00017	-.00113	-.00057	-.00062	.02688	.00027	.00246	.00310
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8567.0**	**116990.**	**6852.7**
Stddev	30.6	965.	39.8
%RSD	.35769	.82451	.58014
#1	8545.4	116310.	6824.6
#2	8588.7	117680.	6880.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 2:50:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10859**	**.01623**	**.10101**	**.01016**	**.00092**	**.12441**	**.21101**	**.00532**	**.01089**	**.01062**	**.01628**	**.09665**	**3.1647**
Stddev	.00046	.00006	.00058	.00051	.00010	.00004	.00001	.00326	.00006	.00016	.00002	.00005	.00247	.0271
%RSD	4.0442	.05261	3.6044	.50228	.98552	4.1219	.00827	1.5445	1.1027	1.4376	.15389	.30404	2.5578	.85660
#1	.01181	.10863	.01581	.10137	.01009	.00090	.12440	.20870	.00536	.01100	.01061	.01624	.09491	3.1455
#2	.01115	.10855	.01664	.10066	.01023	.00095	.12442	.21331	.00527	.01078	.01063	.01631	.09840	3.1838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00896**	**.21077**	**.01033**	**.02067**	**1.0456**	**.04324**	**2.9826**	**.00905**	**.01035**	**.00805**	**.01711**	**.48442**	**1.0367**	**.10547**
Stddev	.00076	.00017	.00002	.00024	.0077	.00005	.0024	.00074	.00217	.00006	.00351	.02084	.0446	.00013
%RSD	8.4726	.08071	.20488	1.1380	.73468	.10466	.08181	8.1528	20.968	.75412	20.505	4.3021	4.3021	.12248
#1	.00842	.21090	.01032	.02051	1.0401	.04320	2.9843	.00957	.00882	.00809	.01463	.46968	1.0051	.10556
#2	.00950	.21065	.01035	.02084	1.0510	.04327	2.9809	.00853	.01189	.00800	.01959	.49916	1.0682	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.01585**	**.00967**	**.01626**	**.05549**	**.01026**	**.02273**	**.01816**
Stddev	.00007	.00183	.00012	.00047	.03113	.00027	.00032	.00015
%RSD	.64846	11.551	1.2788	2.8689	56.097	2.6322	1.3968	.85177
#1	.01030	.01714	.00976	.01659	.03348	.01007	.02250	.01805
#2	.01039	.01455	.00959	.01593	.07751	.01045	.02295	.01827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8684.6**	**119000.**	**6943.0**
Stddev	10.5	236.	39.7
%RSD	.12140	.19818	.57158
#1	8677.2	118830.	6971.0
#2	8692.1	119160.	6914.9

Sample Name: 280-48983-f-2-a Acquired: 11/12/2013 2:53:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.26696**	**.00083**	**.01192**	**.06417**	**-.00004**	**-.00168**	**37.173**	**.00024**	**.00011**
Stddev	.00010	.00006	.00130	.00005	.00120	.00001	.00178	.110	.00006	.00006
%RSD	20.090	.02354	156.04	.42560	1.8622	16.585	105.69	.29492	26.132	54.426
#1	.00043	.26692	.00175	.01188	.06502	-.00003	-.00043	37.251	.00019	.00007
#2	.00057	.26701	-.00009	.01195	.06333	-.00004	-.00294	37.095	.00028	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00109**	**.24177**	**1.3216**	**.00631**	**8.7391**	**.02158**	**.00048**	**18.126**	**.00065**
Stddev	.00002	.00023	.00357	.0473	.00060	.0425	.00025	.00005	.181	.00007
%RSD	5.6312	21.580	1.4745	3.5796	9.4421	.48634	1.1666	9.9831	.99825	10.894
#1	.00030	.00126	.24430	1.3550	.00673	8.7090	.02140	.00045	18.254	.00060
#2	.00032	.00092	.23925	1.2881	.00589	8.7691	.02176	.00051	17.998	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**-.00067**	**18.058**	**-.00245**	**-.00279**	**5.7388**	**12.281**	**.00026**	**.35943**	**.00163**
Stddev	.00053	.00032	.036	.00001	.00153	.0236	.051	.00042	.00114	.00125
%RSD	13.783	48.003	.19879	.32929	54.614	.41133	.41133	164.54	.31664	76.571
#1	.00421	-.00089	18.083	-.00244	-.00172	5.7555	12.317	-.00004	.36024	.00251
#2	.00346	-.00044	18.033	-.00245	-.00387	5.7221	12.245	.00056	.35863	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00654**	**.00023**	**.01199**	**.00112**	**.00453**	**.00266**
Stddev	.00175	.00089	.00303	.00012	.00011	.00064
%RSD	26.772	395.69	25.275	10.348	2.4946	24.174
#1	.00531	-.00040	.00985	.00104	.00461	.00311
#2	.00778	.00085	.01413	.00120	.00445	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8583.8**	**115750.**	**7044.7**
Stddev	24.6	142.	44.8
%RSD	.28703	.12241	.63570
#1	8566.4	115650.	7013.0
#2	8601.2	115850.	7076.3

Sample Name: 280-48983-f-3-a Acquired: 11/12/2013 2:55:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.24989**	**.00013**	**.01178**	**.06195**	**-.00005**	**-.00168**	**36.025**	**.00031**	**.00026**
Stddev	.00008	.00048	.00110	.00035	.00077	.00005	.00014	.160	.00013	.00005
%RSD	12.352	.19302	838.40	2.9735	1.2415	109.84	8.5222	.44471	40.223	19.283
#1	.00073	.25023	-.00065	.01203	.06249	-.00008	-.00158	36.138	.00040	.00030
#2	.00061	.24954	.00091	.01153	.06141	-.00001	-.00178	35.912	.00022	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00058**	**.22776**	**1.3322**	**.00743**	**8.3599**	**.01994**	**.00067**	**17.209**	**.00061**
Stddev	.00007	.00022	.00508	.0252	.00008	.0020	.00004	.00001	.118	.00008
%RSD	24.512	37.071	2.2311	1.8940	1.0943	.02392	.22020	1.9261	.68448	13.234
#1	.00023	.00043	.23136	1.3144	.00749	8.3613	.01991	.00068	17.292	.00055
#2	.00032	.00074	.22417	1.3501	.00737	8.3585	.01997	.00066	17.126	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**.00006**	**17.562**	**-.00233**	**-.00008**	**5.5450**	**11.866**	**-.00050**	**.34837**	**-.00159**
Stddev	.00234	.00108	.038	.00017	.00186	.0850	.182	.00067	.00216	.00138
%RSD	56.511	1883.4	.21552	7.4069	2362.1	1.5328	1.5328	131.93	.61975	87.028
#1	.00249	-.00071	17.535	-.00221	-.00139	5.6051	11.995	-.00003	.34990	-.00256
#2	.00580	.00082	17.589	-.00245	.00124	5.4849	11.738	-.00097	.34684	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.00099**	**.03419**	**.00079**	**.00319**	**.00271**
Stddev	.00012	.00036	.02391	.00014	.00016	.00156
%RSD	2.0360	36.695	69.927	17.564	5.0044	57.679
#1	.00593	.00125	.05109	.00069	.00330	.00161
#2	.00577	.00074	.01728	.00088	.00308	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8562.6**	**117160.**	**7054.0**
Stddev	2.1	323.	56.9
%RSD	.02473	.27560	.80689
#1	8561.1	116930.	7013.7
#2	8564.1	117390.	7094.2

Sample Name: 280-48983-a-4-a Acquired: 11/12/2013 2:57:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**3.3773**	**.00204**	**.03500**	**.06242**	**.00006**	**-.00153**	**223.98**	**.00077**	**.00095**
Stddev	.00035	.0146	.00361	.00020	.00014	.00002	.00154	.03	.00033	.00017
%RSD	65.337	.43301	177.10	.57726	.22645	34.973	100.89	.01174	42.565	18.092
#1	.00029	3.3877	-.00051	.03514	.06232	.00004	-.00044	224.00	.00100	.00083
#2	.00079	3.3670	.00460	.03485	.06252	.00007	-.00262	223.96	.00054	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00335**	**.00586**	**1.8339**	**7.0093**	**.07911**	**154.34**	**.02851**	**.00074**	**379.69**	**.00262**
Stddev	.00009	.00057	.0028	.0295	.00096	1.84	.00008	.00000	.01	.00011
%RSD	2.7126	9.6465	.15260	.42035	1.2152	1.1917	.28159	.17669	.00332	4.0501
#1	.00342	.00546	1.8359	6.9885	.07843	155.64	.02846	.00074	379.68	.00269
#2	.00329	.00626	1.8320	7.0302	.07979	153.04	.02857	.00074	379.70	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07590**	**.00237**	F **499.39**	**-.00015**	**.00271**	**10.717**	**22.934**	**-.00039**	W **5.8592**	**-.00050**
Stddev	.00281	.00176	1.63	.00103	.00052	.007	.015	.00058	.0675	.00199
%RSD	3.7069	74.303	.32681	698.27	19.053	.06422	.06422	150.45	1.1517	396.08
#1	.07789	.00361	498.24	.00058	.00234	10.712	22.923	.00002	5.9069	.00091
#2	.07391	.00112	500.54	-.00088	.00307	10.721	22.944	-.00080	5.8115	-.00191
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09061**	**-.00011**	**-.00928**	**.00653**	**.01386**	**.00692**
Stddev	.00475	.00091	.00392	.00019	.00034	.00131
%RSD	5.2390	846.13	42.272	2.8797	2.4480	18.883
#1	.08725	.00054	-.00650	.00667	.01410	.00599
#2	.09396	-.00075	-.01205	.00640	.01362	.00784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7782.6**	**104210.**	**6891.4**
Stddev	4.1	451.	32.3
%RSD	.05280	.43295	.46862
#1	7785.5	103890.	6868.6
#2	7779.7	104530.	6914.3

Sample Name: 280-48983-a-5-a Acquired: 11/12/2013 3:00:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00831**	**-.00137**	**.00065**	**.00008**	**-.00005**	**-.00221**	**.07756**	**.00013**	**.00013**
Stddev	.00002	.00023	.00098	.00026	.00013	.00001	.00182	.00695	.00000	.00022
%RSD	4.5336	2.7073	71.075	40.161	171.86	13.889	82.474	8.9596	2.9028	171.00
#1	.00040	.00847	-.00068	.00083	.00017	-.00005	-.00092	.08248	.00013	-.00003
#2	.00038	.00815	-.00206	.00046	-.00002	-.00006	-.00350	.07265	.00013	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00086**	**.01482**	**.09529**	**-.00096**	**.03172**	**.00069**	**-.00004**	**.18737**	**.00075**
Stddev	.00012	.00012	.00408	.00062	.00180	.00155	.00000	.00014	.02094	.00028
%RSD	69.890	13.886	27.536	.64876	188.64	4.8795	.60230	348.02	11.178	37.034
#1	.00026	.00094	.01770	.09573	.00032	.03282	.00069	.00006	.20218	.00094
#2	.00009	.00077	.01193	.09485	-.00223	.03063	.00069	-.00014	.17256	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**-.00006**	**.10801**	**-.00069**	**.00006**	**.02576**	**.05512**	**.00046**	**.00136**	**-.00063**
Stddev	.00078	.00021	.00996	.00234	.00136	.01520	.03254	.00060	.00021	.00038
%RSD	93.814	320.14	9.2165	340.47	2179.5	59.037	59.037	129.23	15.160	60.747
#1	-.00028	.00008	.11505	-.00234	.00103	.01500	.03211	.00088	.00150	-.00036
#2	-.00139	-.00021	.10098	.00097	-.00090	.03651	.07812	.00004	.00121	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00043**	**.00201**	**.00017**	**.00414**	**.00368**
Stddev	.00007	.00010	.02881	.00012	.00002	.00244
%RSD	12.918	24.409	1436.2	69.463	.58789	66.283
#1	.00050	.00050	-.01837	.00025	.00412	.00541
#2	.00060	.00035	.02238	.00009	.00415	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8801.2**	**120120.**	**6969.1**
Stddev	21.3	207.	77.0
%RSD	.24241	.17248	1.1044
#1	8816.3	120270.	6914.7
#2	8786.2	119970.	7023.5

Sample Name: 280-49044-c-1-a Acquired: 11/12/2013 3:02:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00366**	**-.00265**	**5.4882**	**.01765**	**-.00001**	**.00021**	W **732.60**	**.00101**	**.00134**
Stddev	.00049	.00012	.00184	.0300	.00010	.00007	.00061	3.28	.00012	.00004
%RSD	305.65	3.3745	69.468	.54613	.57315	1101.2	288.76	.44835	11.495	2.9162
#1	.00051	.00375	-.00396	5.4671	.01772	-.00006	.00065	734.92	.00109	.00136
#2	-.00019	.00357	-.00135	5.5094	.01758	.00004	-.00022	730.27	.00093	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00346**	**.00530**	**18.742**	**1.3034**	**269.42**	**.06749**	**.00132**	W **1065.8**	**.01105**
Stddev	.00010	.00002	.00111	.111	.0023	3.37	.00023	.00005	3.6	.00007
%RSD	234.67	.57933	20.840	.59103	.17646	1.2507	.34072	3.9900	.33400	.62798
#1	-.00011	.00348	.00609	18.663	1.3050	271.80	.06733	.00128	1068.4	.01110
#2	.00003	.00345	.00452	18.820	1.3017	267.04	.06765	.00136	1063.3	.01100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29839**	W **-.00312**	F **808.44**	**.00052**	**-.00247**	**12.879**	**27.561**	**-.00016**	F **20.026**	**-.00268**
Stddev	.00349	.00077	2.86	.00087	.00320	.026	.057	.00025	.351	.00228
%RSD	1.1711	24.570	.35334	169.46	129.43	.20525	.20525	160.48	1.7522	84.854
#1	.29592	-.00258	806.42	.00113	-.00474	12.898	27.601	-.00033	20.275	-.00107
#2	.30086	-.00366	810.46	-.00010	-.00021	12.860	27.521	.00002	19.778	-.00430
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		10.000	200.00						20.000	
Low Limit		-.00300	-.20000						-.02000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00187**	**.05751**	**.00148**	**.00697**	**.00464**
Stddev	.00004	.00128	.01930	.00019	.00054	.00053
%RSD	862.31	68.361	33.553	12.965	7.6946	11.337
#1	-.00002	.00097	.04386	.00134	.00735	.00501
#2	.00003	.00278	.07115	.00161	.00659	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7235.2**	**97526.**	**6628.6**
Stddev	3.8	323.	63.6
%RSD	.05309	.33117	.95959
#1	7237.9	97298.	6583.6
#2	7232.5	97755.	6673.6

Sample Name: 280-49044-c-2-a Acquired: 11/12/2013 3:05:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.07744**	**-.00350**	**3.6453**	**.01346**	**-.00007**	**-.00138**	W **612.94**	**.00119**	**.00405**
Stddev	.00041	.00011	.00371	.0167	.00028	.00006	.00059	7.44	.00006	.00006
%RSD	176.90	.14313	105.79	.45695	2.1167	88.931	42.772	1.2141	5.2528	1.4810
#1	-.00052	.07752	-.00612	3.6335	.01366	-.00002	-.00180	607.68	.00123	.00401
#2	.00006	.07736	-.00088	3.6571	.01325	-.00011	-.00096	618.20	.00115	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00298**	**.59743**	**12.473**	**1.3245**	**259.21**	**.47101**	**.00044**	W **1346.0**	**.01678**
Stddev	.00001	.00006	.01359	.210	.0086	.26	.00051	.00016	8.0	.00026
%RSD	9.6801	1.9521	2.2746	1.6844	.64710	.10094	.10833	35.681	.59167	1.5561
#1	.00006	.00302	.58782	12.325	1.3184	259.40	.47065	.00055	1340.4	.01697
#2	.00005	.00294	.60704	12.622	1.3305	259.03	.47137	.00033	1351.6	.01660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70071**	**-.00265**	F **1007.5**	**.00022**	**-.00114**	**10.400**	**22.256**	**-.00050**	W **13.780**	**-.00178**
Stddev	.00872	.00061	3.6	.00114	.00260	.219	.469	.00101	.068	.00057
%RSD	1.2441	23.082	.35664	509.74	229.43	2.1058	2.1058	201.22	.49154	31.938
#1	.69455	-.00222	1004.9	-.00058	.00071	10.245	21.925	-.00122	13.732	-.00138
#2	.70687	-.00308	1010.0	.00103	-.00298	10.555	22.588	.00021	13.828	-.00218
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00172**	**.04934**	**.00120**	**.00735**	**.00409**
Stddev	.00027	.00041	.00961	.00003	.00034	.00155
%RSD	49.868	23.626	19.482	2.0850	4.5596	37.879
#1	.00073	.00144	.05614	.00119	.00759	.00299
#2	.00035	.00201	.04254	.00122	.00712	.00518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7289.4**	**97942.**	**6886.5**
Stddev	13.9	113.	58.5
%RSD	.19098	.11492	.84947
#1	7279.6	97862.	6927.8
#2	7299.3	98022.	6845.1

Sample Name: 280-49044-c-3-a Acquired: 11/12/2013 3:09:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.02803**	**.00358**	**1.4945**	**.04587**	**-.00004**	**-.00321**	**442.64**	**.00086**	**.00450**
Stddev	.00058	.00032	.00111	.0004	.00046	.00005	.00189	14.59	.00009	.00015
%RSD	107.31	1.1324	31.121	.02731	1.0128	119.89	58.864	3.2969	10.562	3.2938
#1	.00096	.02780	.00437	1.4942	.04554	-.00001	-.00187	432.32	.00093	.00439
#2	.00013	.02825	.00279	1.4948	.04620	-.00007	-.00454	452.96	.00080	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00354**	**10.821**	**11.922**	**.21388**	**87.860**	**.59289**	**.00161**	**196.83**	**.01000**
Stddev	.00014	.00004	.050	.052	.00190	.116	.00236	.00000	.73	.00007
%RSD	19.334	1.0623	.46355	.43409	.88998	.13240	.39779	.15696	.36886	.65613
#1	.00061	.00351	10.785	11.885	.21523	87.778	.59123	.00161	196.32	.00996
#2	.00080	.00357	10.856	11.959	.21253	87.942	.59456	.00161	197.34	.01005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35594**	**-.00196**	F **400.35**	**-.00258**	**-.00236**	**10.591**	**22.665**	**-.00005**	W **9.8248**	**-.00135**
Stddev	.00130	.00142	.87	.00070	.00172	.058	.123	.00085	.0595	.00108
%RSD	.36576	72.660	.21832	26.926	72.907	.54367	.54367	1786.3	.60572	80.073
#1	.35502	-.00095	399.73	-.00209	-.00114	10.550	22.578	-.00065	9.8669	-.00059
#2	.35686	-.00296	400.97	-.00307	-.00357	10.632	22.752	.00055	9.7828	-.00212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00097**	**.01152**	**.00116**	**.00478**	**.00533**
Stddev	.00033	.00089	.02187	.00000	.00033	.00127
%RSD	50.858	91.445	189.82	.01024	6.8366	23.797
#1	.00042	.00160	-.00394	.00116	.00455	.00444
#2	.00088	.00034	.02699	.00116	.00501	.00623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7792.1**	**106810.**	**7169.5**
Stddev	11.2	58.	84.0
%RSD	.14357	.05443	1.1723
#1	7800.0	106770.	7228.9
#2	7784.2	106850.	7110.1

Sample Name: 280-49044-c-4-a Acquired: 11/12/2013 3:11:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00526**	**-.00164**	**5.4650**	**.01689**	**-.00005**	**.00010**	W **703.75**	**.00106**	**.00120**
Stddev	.00027	.00006	.00134	.1176	.00023	.00007	.00154	.14	.00005	.00013
%RSD	38.676	1.1793	82.198	2.1525	1.3597	129.79	1501.3	.01972	4.6171	10.877
#1	.00050	.00530	-.00068	5.5482	.01672	.00000	-.00099	703.85	.00109	.00110
#2	.00088	.00522	-.00259	5.3818	.01705	-.00010	.00119	703.66	.00103	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00360**	**.00730**	**18.272**	**1.2663**	**260.84**	**.07107**	**.00112**	W **1037.5**	**.01106**
Stddev	.00015	.00001	.00313	.335	.0182	1.60	.00021	.00049	13.1	.00004
%RSD	128.93	.20641	42.903	1.8309	1.4381	.61499	.30039	43.461	1.2594	.37472
#1	.00001	.00360	.00508	18.035	1.2534	259.71	.07092	.00146	1028.3	.01109
#2	.00022	.00359	.00951	18.508	1.2792	261.98	.07122	.00077	1046.8	.01103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31637**	W **-.00310**	F **803.28**	**-.00114**	**-.00040**	**12.416**	**26.571**	**-.00104**	W **19.579**	**-.00328**
Stddev	.00680	.00125	18.80	.00178	.00016	.169	.361	.00081	.233	.00061
%RSD	2.1502	40.477	2.3408	156.06	40.492	1.3605	1.3605	77.684	1.1900	18.512
#1	.32118	-.00221	816.58	-.00240	-.00029	12.297	26.315	-.00047	19.414	-.00285
#2	.31156	-.00398	789.99	.00012	-.00051	12.536	26.827	-.00161	19.743	-.00371
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		10.000	200.00						5.0000	
Low Limit		-.00300	-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00161**	**.07420**	**.00135**	**.00702**	**.00540**
Stddev	.00010	.00065	.00450	.00002	.00028	.00078
%RSD	32.793	40.707	6.0644	1.6794	3.9506	14.494
#1	.00038	.00207	.07102	.00133	.00722	.00485
#2	.00023	.00114	.07738	.00136	.00683	.00596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7190.8**	**98019.**	**6963.7**
Stddev	168.6	10.	56.2
%RSD	2.3444	.01063	.80759
#1	7071.6	98012.	6923.9
#2	7310.0	98026.	7003.5

Sample Name: 280-49044-c-5-a Acquired: 11/12/2013 3:14:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**-.00037**	**-.00018**	**.01277**	**-.00056**	**-.00007**	**.00063**	**.06915**	**.00007**	**.00028**
Stddev	.00002	.00014	.00153	.00072	.00013	.00002	.00146	.00103	.00006	.00016
%RSD	2.3815	38.204	831.62	5.6002	24.119	21.288	232.71	1.4851	85.867	55.838
#1	.00082	-.00047	-.00127	.01328	-.00046	-.00006	.00166	.06842	.00003	.00039
#2	.00080	-.00027	.00090	.01226	-.00065	-.00009	-.00040	.06987	.00012	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00011**	**-.00012**	**.10335**	**-.00082**	**.01313**	**.00010**	**-.00007**	**.26280**	**.00062**
Stddev	.00004	.00065	.00190	.01305	.00032	.00283	.00006	.00010	.02097	.00007
%RSD	46.768	597.52	1644.4	12.626	39.398	21.566	56.859	137.56	7.9812	10.710
#1	.00005	.00057	.00123	.09413	-.00059	.01513	.00015	-.00014	.27764	.00057
#2	.00011	-.00035	-.00146	.11258	-.00105	.01113	.00006	.00000	.24797	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00879**	**-.00052**	**.10944**	**-.00296**	**-.00039**	**.02626**	**.05619**	**.00042**	**.00150**	**.00039**
Stddev	.00061	.00059	.00808	.00021	.00120	.00290	.00621	.00014	.00001	.00007
%RSD	6.9417	112.35	7.3857	6.9589	308.72	11.057	11.057	33.200	.85552	18.801
#1	.00923	-.00094	.11516	-.00281	.00046	.02420	.05179	.00032	.00151	.00044
#2	.00836	-.00011	.10373	-.00311	-.00123	.02831	.06058	.00052	.00149	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00068**	**.01597**	**-.00018**	**.00256**	**.00404**
Stddev	.00033	.00010	.03379	.00042	.00020	.00060
%RSD	48.119	15.316	211.59	232.50	7.7472	14.771
#1	.00093	.00061	-.00792	.00012	.00242	.00362
#2	.00046	.00075	.03986	-.00048	.00270	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9067.6**	**125160.**	**7488.3**
Stddev	18.8	16.	36.4
%RSD	.20776	.01303	.48588
#1	9080.9	125150.	7514.0
#2	9054.3	125170.	7462.5

Sample Name: CCVH-2372891 Acquired: 11/12/2013 3:17:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**50.361**	**.00193**	**.00666**	**-.00018**	**.00001**	F **1.1205**	**.03374**	**.00003**	**-.00020**	**-.00001**	**.01099**
Stddev	.00020	.426	.00155	.00035	.00007	.00001	.0029	.00028	.00016	.00009	.00001	.00001
%RSD	2.4809	.84624	80.038	5.3133	38.548	37.372	.25884	.82713	486.75	42.368	87.026	.11690
#1	.00779	50.059	.00303	.00691	-.00013	.00002	1.1225	.03354	-.00008	-.00014	.00000	.01100
#2	.00807	50.662	.00084	.00641	-.00022	.00001	1.1184	.03393	.00015	-.00026	-.00001	.01098
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.960**	**.09318**	**-.00083**	**.09027**	**.00075**	**-.00024**	**267.59**	**-.00023**	**.00423**	**.00031**	W **5.3668**	**.00231**
Stddev	1.029	.01240	.00055	.00190	.00001	.00001	2.40	.00041	.00014	.00003	.0129	.00086
%RSD	2.1011	13.310	66.145	2.1026	1.7197	2.6420	.89536	181.78	3.2746	10.936	.24023	37.285
#1	48.233	.08441	-.00122	.08893	.00076	-.00023	265.89	.00006	.00413	.00033	5.3759	.00170
#2	49.687	.10195	-.00044	.09161	.00074	-.00024	269.28	-.00051	.00432	.00028	5.3577	.00291
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00263**	**.01088**	**.02329**	**-.00034**	**.00066**	**5.0387**	**-.01294**	**.00116**	F **5.4815**	**.00123**	**.00147**	**.05885**
Stddev	.00125	.02576	.05512	.00037	.00005	.0098	.00006	.00155	.0219	.00030	.00018	.00221
%RSD	47.583	236.63	236.63	107.21	7.7527	.19516	.46589	133.43	.39998	24.242	12.253	3.7526
#1	-.00351	-.00733	-.01568	-.00061	.00070	5.0318	-.01298	.00226	5.4660	.00102	.00135	.05729
#2	-.00174	.02910	.06227	-.00008	.00063	5.0457	-.01289	.00007	5.4970	.00144	.00160	.06041
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8578.0**	**115890.**	**7357.4**
Stddev	2.3	362.	66.3
%RSD	.02700	.31224	.90054
#1	8576.4	115640.	7404.3
#2	8579.7	116150.	7310.6

Sample Name: CCV-2372889 Acquired: 11/12/2013 3:19:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51082**	**.52351**	**1.0227**	**.52546**	**.51090**	**.49000**	**-.00387**	**4.9461**	**.51612**	**.51054**	**.51243**	**.52230**	**2.4003**
Stddev	.00217	.00102	.0001	.00162	.00216	.00095	.00016	.0355	.00164	.00046	.00082	.00144	.0299
%RSD	.42460	.19537	.00441	.30804	.42326	.19474	4.1836	.71724	.31866	.08987	.16028	.27478	1.2470
#1	.51235	.52279	1.0227	.52432	.50937	.48933	-.00375	4.9712	.51495	.51086	.51185	.52331	2.4215
#2	.50929	.52424	1.0226	.52661	.51243	.49068	-.00398	4.9210	.51728	.51021	.51301	.52128	2.3791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.277**	**1.0059**	**19.506**	**.49474**	**.52036**	**5.2133**	**.51481**	**1.0697**	**1.0358**	**.05496**	**1.0599**	**1.0385**	**4.7699**
Stddev	.016	.0021	.021	.00121	.00139	.0136	.00049	.0096	.0046	.00397	.0003	.0054	.0684
%RSD	.03157	.20771	.10535	.24476	.26740	.26123	.09522	.89851	.44101	7.2218	.03037	.52256	1.4342
#1	51.266	1.0044	19.520	.49560	.51937	5.2036	.51447	1.0629	1.0326	.05215	1.0597	1.0346	4.8182
#2	51.289	1.0073	19.491	.49389	.52134	5.2229	.51516	1.0765	1.0390	.05776	1.0601	1.0423	4.7215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.208**	**1.0281**	**.50706**	**-.00568**	**.49648**	**1.0453**	**.01875**	**.50091**	**.48648**	**.49667**
Stddev	.146	.0040	.00123	.00128	.00031	.0004	.03215	.00047	.00181	.00349
%RSD	1.4342	.38979	.24318	22.604	.06221	.03316	171.43	.09468	.37255	.70241
#1	10.311	1.0253	.50619	-.00659	.49670	1.0456	.04148	.50058	.48776	.49913
#2	10.104	1.0309	.50794	-.00478	.49626	1.0451	-.00398	.50125	.48520	.49420
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8814.1**	**120200.**	**7458.6**
Stddev	14.7	45.	24.9
%RSD	.16665	.03746	.33449
#1	8803.7	120230.	7441.0
#2	8824.5	120160.	7476.3

Sample Name: CCB Acquired: 11/12/2013 3:21:36 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00099**	**-.00450**	**.00296**	**.00408**	**-.00039**	**.00004**	**.00242**	**.01648**	**.00032**	**.00019**	**-.00009**	**-.00042**
Stddev	.00011	.00043	.00046	.00032	.00000	.00001	.00191	.00064	.00026	.00002	.00001	.00029
%RSD	10.704	9.6566	15.702	7.7874	1.1756	18.315	78.590	3.8789	80.472	12.400	14.473	69.622
#1	.00107	-.00481	.00263	.00385	-.00039	.00004	.00377	.01694	.00014	.00021	-.00008	-.00021
#2	.00092	-.00420	.00329	.00430	-.00039	.00005	.00108	.01603	.00050	.00017	-.00010	-.00062
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00218**	**-.01154**	**-.00128**	**.00232**	**.00005**	**.00022**	**.04626**	**.00059**	W **.01825**	**-.00001**	**.06039**	W **.00375**
Stddev	.00170	.00965	.00194	.00075	.00002	.00005	.00559	.00017	.00310	.00062	.00055	.00089
%RSD	77.798	83.618	151.34	32.340	40.152	21.405	12.075	28.725	16.969	8080.1	.91902	23.675
#1	-.00098	-.00472	.00009	.00179	.00007	.00019	.05021	.00072	.02044	-.00044	.06078	.00438
#2	-.00339	-.01836	-.00266	.00285	.00004	.00026	.04231	.00047	.01606	.00043	.05999	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn
High Limit									.01350			.00314
Low Limit									-.01350			-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.00073**	**.00156**	**.00036**	**.00028**	**-.00013**	**-.00003**	**-.00028**	**.02558**	**-.00012**	**.00249**	W **.00313**
Stddev	.00446	.00715	.01529	.00006	.00007	.00005	.00006	.00033	.00118	.00021	.00023	.00097
%RSD	582.31	978.14	978.14	15.711	23.880	35.410	198.54	117.49	4.6107	178.03	9.3010	31.061
#1	.00392	-.00432	-.00925	.00040	.00032	-.00010	.00001	-.00005	.02475	.00003	.00233	.00244
#2	-.00239	.00578	.01238	.00032	.00023	-.00017	-.00007	-.00051	.02642	-.00027	.00265	.00381
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8798.7**	**121040.**	**7271.2**
Stddev	5.9	490.	39.2
%RSD	.06728	.40465	.53860
#1	8794.6	121390.	7298.9
#2	8802.9	120690.	7243.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 3:23:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10769**	**.01639**	**.10529**	**.01007**	**.00102**	**.12868**	**.21627**	**.00538**	**.01094**	**.01069**	**.01574**	**.09873**
Stddev	.00027	.00015	.00010	.00003	.00027	.00004	.00049	.00397	.00014	.00002	.00007	.00022	.00269
%RSD	2.4304	.13939	.58616	.02775	2.7307	3.9209	.37812	1.8374	2.5582	.16530	.67478	1.4248	2.7215
#1	.01131	.10780	.01632	.10527	.00987	.00099	.12903	.21908	.00548	.01093	.01063	.01558	.10063
#2	.01093	.10759	.01645	.10531	.01026	.00105	.12834	.21346	.00529	.01096	.01074	.01590	.09683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2033**	**.01221**	**.21017**	**.01025**	**.02055**	**1.1192**	**.04375**	**3.0158**	**.00916**	**.04804**	**.00809**	**.01443**	**.49114**
Stddev	.0197	.00050	.00019	.00009	.00022	.0023	.00032	.0112	.00038	.00006	.00209	.00010	.01084
%RSD	.61494	4.1283	.09192	.89632	1.0853	.20280	.72805	.36987	4.1042	.12968	25.820	.70898	2.2070
#1	3.1894	.01185	.21003	.01031	.02039	1.1208	.04353	3.0079	.00942	.04808	.00957	.01451	.48347
#2	3.2172	.01257	.21031	.01018	.02070	1.1176	.04398	3.0237	.00889	.04799	.00661	.01436	.49880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0510**	**.10564**	**.01085**	**.01521**	**.00947**	**.01675**	F **.09407**	**.01030**	**.02218**	**.01897**
Stddev	.0232	.00009	.00000	.00212	.00014	.00060	.03624	.00008	.00018	.00091
%RSD	2.2070	.08703	.03005	13.926	1.4753	3.6015	38.521	.73649	.82181	4.7714
#1	1.0346	.10558	.01085	.01671	.00937	.01633	.06845	.01035	.02231	.01833
#2	1.0674	.10571	.01085	.01371	.00957	.01718	.11970	.01024	.02206	.01961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8896.7**	**122000.**	**7336.0**
Stddev	3.4	245.	9.7
%RSD	.03821	.20087	.13249
#1	8899.1	121820.	7329.2
#2	8894.3	122170.	7342.9

Sample Name: 280-49001-g-1-a Acquired: 11/12/2013 3:26:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**3.4844**	**.33253**	RW **44.015**	**.41969**	**-.00053**	**-.00548**	**17.702**	**.00390**	**.02160**
Stddev	.00015	.0079	.00041	.054	.00127	.00003	.00311	.071	.00037	.00030
%RSD	10.604	.22554	.12465	.12352	.30279	5.0462	56.835	.39852	9.4980	1.4047
#1	.00154	3.4900	.33224	44.054	.42059	-.00055	-.00328	17.752	.00417	.02182
#2	.00133	3.4789	.33283	43.977	.41879	-.00051	-.00768	17.652	.00364	.02139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05216**	**.02023**	**7.0847**	F **1219.5**	W **6.1958**	**3.6724**	**.54354**	**4.6107**	RF **4049.1**	**1.0814**
Stddev	.00004	.00004	.0922	13.5	.0158	.0287	.00112	.0098	107.6	.0012
%RSD	.08032	.22042	1.3014	1.1065	.25498	.78232	.20641	.21310	2.6566	.11458
#1	.05219	.02020	7.1499	1229.1	6.2070	3.6927	.54433	4.6176	4125.1	1.0823
#2	.05213	.02027	7.0195	1210.0	6.1846	3.6521	.54274	4.6037	3973.0	1.0806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				500.00	2.0000				100.00	
Low Limit				-2.0000	-.01000				-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **33.973**	F **-.02384**	F **4317.1**	F **-.09291**	**1.6162**	**8.2691**	**17.696**	**.01543**	**1.8061**	**.03035**
Stddev	.052	.00015	7.8	.00043	.0136	.0772	.165	.00023	.0079	.00029
%RSD	.15292	.64502	.18041	.46691	.84039	.93397	.93397	1.5088	.43546	.94148
#1	34.010	-.02394	4322.6	-.09322	1.6258	8.3237	17.813	.01526	1.8117	.03015
#2	33.936	-.02373	4311.6	-.09261	1.6066	8.2145	17.579	.01559	1.8006	.03056
Check ?	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	200.00	200.00	50.000						
Low Limit	-1.0000	-.00600	-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07126**	**-.00666**	**.25709**	**1.3110**	**.38619**	**.02654**
Stddev	.00083	.00133	.03677	.0009	.00264	.00124
%RSD	1.1600	19.989	14.303	.07075	.68342	4.6875
#1	.07185	-.00572	.28309	1.3103	.38806	.02566
#2	.07068	-.00760	.23109	1.3116	.38433	.02742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4685.1**	**63361.**	**6342.0**
Stddev	1.4	152.	7.7
%RSD	.03075	.23992	.12131
#1	4684.1	63253.	6336.6
#2	4686.1	63468.	6347.5

Sample Name: 280-49001-g-1-a@5 Acquired: 11/12/2013 3:29:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.70214**	**.06386**	**8.9021**	**.09594**	**-.00019**	**.00027**	**4.2122**	**.00082**	**.00491**
Stddev	.00097	.00127	.00271	.0066	.00009	.00003	.00102	.0132	.00010	.00000
%RSD	1789.8	.18071	4.2503	.07470	.09065	14.805	384.47	.31373	12.401	.03517
#1	.00074	.70303	.06194	8.9068	.09588	-.00021	.00099	4.2216	.00089	.00491
#2	-.00063	.70124	.06578	8.8974	.09600	-.00017	-.00046	4.2029	.00075	.00491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**.00463**	**1.6233**	W **260.82**	**1.0395**	**.93810**	**.12374**	**.92522**	RW **6615.1**	**.25451**
Stddev	.00023	.00074	.0109	.66	.0062	.00001	.00009	.00227	29.7	.00011
%RSD	2.0142	16.073	.67054	.25123	.60007	.00111	.07391	.24541	.44849	.04149
#1	.01161	.00410	1.6310	261.29	1.0439	.93810	.12380	.92683	6636.0	.25443
#2	.01129	.00515	1.6156	260.36	1.0351	.93811	.12367	.92362	6594.1	.25458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6575**	W **-.00559**	F **2274.2**	F **-.02248**	**.28296**	**1.7725**	**3.7931**	**.00545**	**.37994**	**.00109**
Stddev	.0105	.00019	3.1	.00098	.00203	.0265	.0566	.00030	.00136	.00125
%RSD	.15727	3.4008	.13587	4.3686	.71598	1.4932	1.4932	5.5549	.35728	115.36
#1	6.6649	-.00546	2276.4	-.02179	.28153	1.7912	3.8331	.00566	.38090	.00020
#2	6.6501	-.00573	2272.1	-.02317	.28440	1.7537	3.7530	.00523	.37898	.00197
Check ?	Chk Warn	Chk Warn	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000	200.00	50.000						
Low Limit	-1.0000	-.00300	-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01502**	**-.00250**	**.06018**	**.29411**	**.09539**	**.00891**
Stddev	.00004	.00017	.02017	.00074	.00028	.00051
%RSD	.27642	6.7252	33.509	.25322	.29254	5.7015
#1	.01499	-.00238	.04592	.29464	.09519	.00855
#2	.01505	-.00262	.07444	.29359	.09559	.00927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6749.4**	**87385.**	**6780.0**
Stddev	19.5	414.	41.0
%RSD	.28927	.47374	.60496
#1	6735.6	87678.	6751.0
#2	6763.2	87092.	6809.0

Sample Name: 280-49001-g-2-a Acquired: 11/12/2013 3:32:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**7.5947**	**.01124**	**2.4282**	**.38486**	**.00036**	**-.00652**	**122.57**	**.00064**	**.00261**
Stddev	.00000	.0014	.00036	.0007	.00042	.00002	.00184	.27	.00022	.00007
%RSD	.57893	.01789	3.1831	.02866	.11007	5.6299	28.306	.21859	33.359	2.8454
#1	.00038	7.5937	.01149	2.4277	.38456	.00037	-.00521	122.38	.00049	.00266
#2	.00038	7.5956	.01098	2.4287	.38516	.00034	-.00782	122.76	.00080	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00692**	**.05724**	**6.1572**	**36.840**	**.27891**	**25.111**	**.33392**	**.00651**	**359.42**	**.01957**
Stddev	.00001	.00008	.0422	.072	.00197	.092	.00149	.00040	.23	.00007
%RSD	.18347	.14391	.68546	.19623	.70493	.36739	.44477	6.1750	.06372	.37751
#1	.00693	.05718	6.1274	36.891	.28030	25.177	.33497	.00679	359.25	.01962
#2	.00691	.05729	6.1870	36.789	.27752	25.046	.33287	.00622	359.58	.01952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73164**	**.00584**	**113.33**	**-.00409**	**.00020**	**20.158**	**43.138**	**.00106**	**2.1067**	**.00146**
Stddev	.00620	.00036	.01	.00208	.00237	.141	.302	.00027	.0009	.00104
%RSD	.84685	6.1094	.00849	50.823	1215.7	.69934	.69934	25.811	.04112	71.375
#1	.73602	.00609	113.33	-.00556	-.00148	20.058	42.925	.00086	2.1061	.00072
#2	.72726	.00559	113.32	-.00262	.00187	20.258	43.352	.00125	2.1073	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18542**	**.00065**	**-.02743**	**.02345**	**.06084**	**.01006**
Stddev	.00053	.00129	.00669	.00048	.00017	.00194
%RSD	.28408	197.20	24.396	2.0257	.27996	19.242
#1	.18505	-.00026	-.03216	.02379	.06072	.01143
#2	.18580	.00156	-.02270	.02312	.06096	.00869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8229.3**	**110510.**	**7110.2**
Stddev	11.1	690.	2.0
%RSD	.13436	.62394	.02835
#1	8237.1	110030.	7111.6
#2	8221.4	111000.	7108.7

Sample Name: 280-48952-a-2-a Acquired: 11/12/2013 3:34:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.30038**	**-.00002**	**.53014**	**.04715**	**-.00002**	**-.00215**	**204.55**	**.00067**	**.00066**
Stddev	.00049	.00311	.00123	.00192	.00031	.00008	.00206	.27	.00006	.00002
%RSD	1221.5	1.0362	6558.3	.36250	.65324	447.17	95.587	.13171	8.7790	2.9956
#1	-.00039	.30258	-.00089	.53150	.04693	-.00007	-.00070	204.75	.00071	.00068
#2	.00031	.29818	.00085	.52878	.04736	.00004	-.00360	204.36	.00063	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00318**	**.27962**	**12.113**	**.13802**	**50.047**	**.06032**	**.00249**	**203.54**	**.00565**
Stddev	.00007	.00061	.00197	.024	.00232	.091	.00017	.00000	.03	.00004
%RSD	10.558	19.225	.70452	.19767	1.6809	.18153	.27700	.01586	.01522	.65364
#1	.00061	.00275	.27822	12.130	.13638	50.112	.06044	.00249	203.52	.00562
#2	.00071	.00362	.28101	12.096	.13966	49.983	.06020	.00249	203.56	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**-.00103**	F **300.76**	**-.00304**	**.00101**	**4.6882**	**10.033**	**-.00023**	**4.7549**	**-.00157**
Stddev	.00102	.00005	.02	.00036	.00208	.0006	.001	.00051	.0047	.00020
%RSD	1.9911	5.1491	.00816	11.914	206.70	.01363	.01363	222.75	.09804	13.050
#1	.05194	-.00107	300.78	-.00329	-.00046	4.6877	10.032	.00013	4.7582	-.00171
#2	.05050	-.00100	300.74	-.00278	.00248	4.6887	10.034	-.00059	4.7516	-.00142
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00715**	**.00122**	**.01971**	**.00170**	**.00899**	**.00405**
Stddev	.00017	.00088	.01047	.00003	.00065	.00157
%RSD	2.3994	71.616	53.128	1.9026	7.2473	38.796
#1	.00703	.00060	.01231	.00173	.00945	.00516
#2	.00727	.00184	.02712	.00168	.00853	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**108730.**	**6940.0**
Stddev	4.6	578.	22.2
%RSD	.05731	.53202	.31992
#1	8074.5	108320.	6924.3
#2	8067.9	109140.	6955.7

Sample Name: 280-48973-e-1-a Acquired: 11/12/2013 3:37:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.16248**	**.00230**	**.20730**	**.05577**	**.00000**	**-.00313**	**46.800**	**.00021**	**.00028**
Stddev	.00018	.00027	.00269	.00128	.00054	.0000	.00108	.084	.00011	.00015
%RSD	56.057	.16466	116.93	.61516	.96672	1731.9	34.413	.17914	54.037	52.369
#1	.00045	.16267	.00420	.20820	.05615	-.00002	-.00390	46.859	.00029	.00039
#2	.00019	.16229	.00040	.20640	.05539	.00002	-.00237	46.741	.00013	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.01144**	**.94634**	**50.625**	**.01658**	**11.953**	**.11322**	**.00205**	**90.072**	**.00342**
Stddev	.00004	.00016	.00003	.065	.00228	.053	.00053	.00004	.035	.00025
%RSD	3.6657	1.3746	.00349	.12897	13.739	.44236	.47087	2.1999	.03849	7.4043
#1	.00101	.01155	.94636	50.672	.01819	11.990	.11359	.00208	90.097	.00324
#2	.00096	.01133	.94632	50.579	.01497	11.915	.11284	.00201	90.048	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31476**	**-.00017**	**28.466**	**-.00260**	**.00135**	**4.0515**	**8.6701**	**.00020**	**.30373**	**-.00182**
Stddev	.00075	.00049	.061	.00062	.00053	.0331	.0707	.00101	.00089	.00092
%RSD	.23980	291.03	.21292	23.869	39.045	.81592	.81592	497.87	.29386	50.542
#1	.31423	-.00051	28.509	-.00304	.00172	4.0748	8.7202	.00092	.30436	-.00247
#2	.31530	.00018	28.424	-.00216	.00098	4.0281	8.6201	-.00051	.30310	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00014**	**.01876**	**.00064**	**.04050**	**.00486**
Stddev	.00011	.00099	.04804	.00014	.00029	.00139
%RSD	9.7380	692.87	256.09	22.522	.72096	28.626
#1	.00117	.00084	.05272	.00074	.04030	.00388
#2	.00102	-.00056	-.01521	.00054	.04071	.00585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8400.6**	**112720.**	**6927.3**
Stddev	22.1	709.	8.6
%RSD	.26279	.62919	.12464
#1	8385.0	112220.	6933.4
#2	8416.3	113220.	6921.1

Sample Name: 280-48836-c-13-f Acquired: 11/12/2013 3:39:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00164**	**.00208**	**.04415**	**.40736**	**-.00008**	**-.00069**	**4.8879**	**.00012**	**-.00012**
Stddev	.00033	.00028	.00304	.00024	.00009	.00009	.00055	.0468	.00012	.00005
%RSD	70.635	16.960	146.34	.53361	.02312	120.94	79.188	.95823	96.200	40.128
#1	.00023	.00144	-.00007	.04432	.40743	-.00001	-.00108	4.9211	.00020	-.00015
#2	.00069	.00184	.00423	.04399	.40729	-.00014	-.00030	4.8548	.00004	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00083**	**.28937**	**1.7336**	**.00617**	**.93965**	**.00554**	**.00026**	**195.02**	**.00062**
Stddev	.00002	.00007	.00138	.0030	.00124	.00099	.00003	.00012	.03	.00041
%RSD	23.350	8.4695	.47641	.17245	20.148	.10527	.58106	47.116	.01623	66.133
#1	.00008	.00088	.29035	1.7315	.00704	.93895	.00551	.00017	195.00	.00033
#2	.00011	.00078	.28840	1.7357	.00529	.94035	.00556	.00034	195.04	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03174**	**-.00097**	**.51727**	**-.00262**	**-.00072**	**6.4407**	**13.783**	**.00011**	**.31085**	**-.00006**
Stddev	.00030	.00123	.02354	.00031	.00009	.0774	.166	.00010	.00067	.00094
%RSD	.95914	126.80	4.5513	11.670	12.165	1.2018	1.2018	90.869	.21498	1709.3
#1	.03152	-.00184	.53391	-.00241	-.00066	6.4954	13.900	.00019	.31132	.00061
#2	.03196	-.00010	.50062	-.00284	-.00078	6.3860	13.666	.00004	.31038	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00020**	**.01703**	**.00026**	**.00267**	**.00354**
Stddev	.00012	.00100	.00432	.00063	.00023	.00129
%RSD	52.004	501.19	25.376	242.28	8.4946	36.562
#1	-.00014	-.00091	.02008	.00070	.00251	.00262
#2	-.00030	.00051	.01397	-.00018	.00283	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8329.9**	**111900.**	**6931.8**
Stddev	16.3	140.	35.0
%RSD	.19514	.12544	.50426
#1	8318.4	112000.	6907.1
#2	8341.4	111800.	6956.5

Sample Name: 280-48836-c-14-d Acquired: 11/12/2013 3:41:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.01215**	**.00003**	**.18040**	**.30747**	**.00000**	**-.00132**	**2.5656**	**-.00006**	**-.00010**
Stddev	.00016	.00049	.00133	.00052	.00160	.0000	.00152	.0187	.00008	.00023
%RSD	24.704	4.0198	4908.4	.28877	.52199	3169.5	114.68	.73051	128.55	232.24
#1	.00077	.01250	-.00091	.18077	.30861	.00001	-.00240	2.5788	-.00001	.00006
#2	.00054	.01181	.00097	.18003	.30634	-.00002	-.00025	2.5523	-.00012	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00180**	**.66036**	**2.5241**	**.07440**	**.33037**	**.01252**	**.00088**	**418.39**	**.00092**
Stddev	.00015	.00003	.00899	.0077	.00267	.00204	.00005	.00007	1.32	.00002
%RSD	13.443	1.4481	1.3611	.30455	3.5824	.61717	.39846	7.8051	.31435	1.8680
#1	.00122	.00178	.66672	2.5296	.07628	.33181	.01256	.00093	419.32	.00093
#2	.00101	.00182	.65400	2.5187	.07251	.32893	.01249	.00083	417.46	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03721**	**-.00166**	**.48778**	**-.00316**	**-.00083**	**8.9581**	**19.170**	**.00014**	**.39472**	**-.00348**
Stddev	.00095	.00070	.01375	.00255	.00214	.0666	.142	.00135	.00143	.00129
%RSD	2.5526	42.254	2.8197	80.592	259.04	.74308	.74308	997.14	.36181	37.168
#1	.03788	-.00216	.49751	-.00496	-.00234	9.0052	19.271	.00109	.39573	-.00440
#2	.03654	-.00117	.47806	-.00136	.00069	8.9111	19.070	-.00082	.39371	-.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00021**	**.03241**	**-.00002**	**.00279**	**.00292**
Stddev	.00000	.00003	.01775	.00004	.00008	.00236
%RSD	1.2998	13.830	54.775	178.69	2.8863	80.818
#1	-.00021	.00023	.04497	.00001	.00274	.00125
#2	-.00021	.00019	.01986	-.00005	.00285	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8093.9**	**107400.**	**6801.6**
Stddev	55.8	1036.	42.0
%RSD	.68882	.96458	.61745
#1	8133.3	106670.	6831.3
#2	8054.5	108130.	6771.9

Sample Name: CCVH-2372891 Acquired: 11/12/2013 3:44:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**50.503**	**.00421**	**.01204**	**-.00010**	**-.00007**	W **1.0967**	**.02260**	**.00000**	**-.00017**	**.00010**	**.01077**
Stddev	.00081	.081	.00092	.00094	.00012	.00004	.0061	.00229	.0000	.00019	.00001	.00004
%RSD	10.189	.16129	21.909	7.7700	128.30	49.780	.55471	10.146	10528.	111.05	10.267	.34037
#1	.00854	50.561	.00355	.01270	-.00018	-.00010	1.0924	.02422	-.00002	-.00030	.00009	.01075
#2	.00739	50.446	.00486	.01137	-.00001	-.00005	1.1010	.02098	.00002	-.00004	.00011	.01080
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.341**	**.30161**	**.00044**	**.08276**	**.00077**	**-.00042**	**268.67**	**-.00020**	**.00399**	**-.00007**	F **5.6325**	**.00073**
Stddev	.034	.02271	.00108	.00103	.00009	.00005	.71	.00036	.00039	.00079	.0402	.00287
%RSD	.06809	7.5307	247.04	1.2469	11.242	12.797	.26362	178.27	9.6643	1135.3	.71376	394.31
#1	49.365	.31767	-.00033	.08203	.00071	-.00039	268.16	-.00046	.00372	-.00063	5.6040	.00275
#2	49.318	.28555	.00120	.08349	.00083	-.00046	269.17	.00005	.00426	.00049	5.6609	-.00130
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00281**	**.02055**	**.04398**	**-.00016**	**.00040**	**5.0502**	**-.01301**	**.00058**	F **5.4485**	**.00113**	**.00130**	**.05732**
Stddev	.00034	.01081	.02313	.00074	.00003	.0108	.00050	.00065	.0180	.00035	.00024	.00039
%RSD	12.016	52.602	52.602	452.85	6.2698	.21469	3.8615	111.47	.33113	30.889	18.568	.67624
#1	-.00257	.02819	.06033	-.00069	.00038	5.0425	-.01266	.00012	5.4613	.00137	.00113	.05705
#2	-.00304	.01291	.02762	.00036	.00042	5.0579	-.01337	.00104	5.4357	.00088	.00148	.05760
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8405.5**	**110550.**	**6752.7**
Stddev	69.7	436.	2.4
%RSD	.82898	.39426	.03538
#1	8356.2	110860.	6751.0
#2	8454.7	110240.	6754.4

Sample Name: CCV-2372889 Acquired: 11/12/2013 3:46:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50343**	**.52375**	**1.0076**	**.52097**	**.51069**	**.48502**	**-.00306**	**4.9414**	**.50933**	**.50684**	**.50840**	**.51226**	**2.3872**
Stddev	.00136	.00344	.0028	.00107	.00141	.00093	.00066	.0230	.00096	.00033	.00112	.00059	.0152
%RSD	.27026	.65696	.27678	.20584	.27557	.19169	21.417	.46457	.18922	.06567	.21947	.11425	.63454
#1	.50440	.52619	1.0096	.52172	.51169	.48437	-.00260	4.9252	.51001	.50707	.50919	.51268	2.3765
#2	.50247	.52132	1.0057	.52021	.50970	.48568	-.00352	4.9577	.50865	.50660	.50761	.51185	2.3979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.556**	**1.0057**	**19.559**	**.49488**	**.51496**	F **5.8675**	**.51370**	**1.0274**	**1.0306**	**.36891**	**1.0416**	**1.0237**	**4.7383**
Stddev	.062	.0013	.014	.00035	.00011	.0115	.00323	.0031	.0020	.00688	.0020	.0018	.0389
%RSD	.11942	.12689	.07377	.07156	.02075	.19554	.62857	.30475	.19148	1.8646	.18816	.17433	.82026
#1	51.512	1.0066	19.569	.49513	.51503	5.8757	.51142	1.0252	1.0292	.37378	1.0402	1.0224	4.7108
#2	51.599	1.0048	19.548	.49463	.51488	5.8594	.51598	1.0296	1.0320	.36405	1.0430	1.0249	4.7658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.140**	**1.0186**	**.50550**	**-.00432**	**.49392**	**1.0393**	**.03846**	**.49700**	**.48976**	**.49789**
Stddev	.083	.0018	.00039	.00049	.00014	.0009	.00087	.00030	.00087	.00305
%RSD	.82026	.17767	.07684	11.309	.02892	.08915	2.2587	.05993	.17667	.61215
#1	10.081	1.0199	.50523	-.00397	.49402	1.0387	.03785	.49679	.48915	.49574
#2	10.199	1.0173	.50577	-.00466	.49382	1.0400	.03907	.49721	.49037	.50005
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8678.8**	**117620.**	**7177.8**
Stddev	5.9	606.	63.4
%RSD	.06810	.51524	.88357
#1	8674.6	117200.	7222.6
#2	8683.0	118050.	7132.9

Sample Name: CCB Acquired: 11/12/2013 3:48:52 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00347**	**.00095**	F **.00861**	**.00011**	**.00023**	**-.00063**	**.00737**	**.00009**	**.00023**	**.00008**	**-.00045**
Stddev	.00004	.00004	.00079	.00035	.00020	.00014	.00011	.00016	.00011	.00003	.00003	.00029
%RSD	5.8406	1.0598	83.549	4.0951	183.27	62.334	17.327	2.1042	114.90	13.664	32.808	63.536
#1	.00080	-.00345	.00150	.00837	.00026	.00033	-.00071	.00748	.00017	.00021	.00010	-.00025
#2	.00074	-.00350	.00039	.00886	-.00003	.00013	-.00056	.00726	.00002	.00025	.00006	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**.15039**	**.00014**	**.00355**	**.00009**	**.00013**	F **.62336**	**.00040**	**-.00039**	**-.00008**	F **.36581**	**.00163**
Stddev	.00916	.02156	.00307	.00150	.00001	.00009	.10065	.00024	.00183	.00029	.00281	.00089
%RSD	132.70	14.333	2193.2	42.381	6.5918	69.359	16.147	59.409	464.06	354.29	.76797	54.279
#1	.01339	.13515	-.00203	.00461	.00008	.00006	.69453	.00057	.00090	-.00028	.36780	.00101
#2	.00043	.16563	.00231	.00249	.00009	.00019	.55218	.00023	-.00169	.00012	.36383	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.18320				.20000	
Low Limit							-.18320				-.20000	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01821**	**.03896**	**.00057**	W **.00040**	**-.00043**	**-.00022**	**-.00024**	**.01376**	**-.00005**	**.00233**	**.00231**
Stddev	.00010	.00192	.00410	.00041	.00030	.00058	.00009	.00003	.03930	.00045	.00012	.00001
%RSD	7.1708	10.528	10.528	72.323	75.617	135.55	43.522	13.423	285.54	946.81	5.3269	.29011
#1	-.00128	.01956	.04186	.00028	.00062	-.00083	-.00028	-.00027	.04155	-.00036	.00242	.00232
#2	-.00142	.01685	.03606	.00086	.00019	-.00002	-.00015	-.00022	-.01403	.00027	.00224	.00231
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8697.6**	**119420.**	**6992.6**
Stddev	5.7	580.	6.0
%RSD	.06570	.48534	.08635
#1	8693.6	119010.	6996.9
#2	8701.7	119830.	6988.3

Sample Name: CCVL2372865 Acquired: 11/12/2013 3:51:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	F **.13874**	**.01792**	**.10911**	**.01061**	**.00110**	**.12930**	F **.32818**	**.00564**	**.01136**	**.01123**	**.01692**	F **.16354**
Stddev	.00015	.00052	.00105	.00024	.00024	.00005	.00218	.00148	.00003	.00009	.00009	.00008	.00232
%RSD	1.2609	.37340	5.8629	.22446	2.2949	4.2543	1.6885	.45151	.50083	.80196	.82712	.44965	1.4186
#1	.01142	.13838	.01867	.10893	.01078	.00107	.13084	.32713	.00566	.01142	.01116	.01687	.16518
#2	.01163	.13911	.01718	.10928	.01044	.00113	.12775	.32922	.00562	.01129	.01129	.01698	.16190
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		.10000						.20000					.10000
Range		30.000%						30.000%					30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4712**	**.01087**	**.22098**	**.01141**	**.02137**	F **1.7301**	**.04541**	**3.1381**	**.00945**	**.33366**	**.00738**	**.01606**	**.49607**
Stddev	.0095	.00033	.00146	.00009	.00015	.0186	.00004	.0105	.00023	.00620	.00175	.00019	.01905
%RSD	.27267	3.0310	.66060	.78815	.72237	1.0730	.08588	.33361	2.4353	1.8594	23.780	1.1817	3.8392
#1	3.4779	.01110	.21995	.01147	.02148	1.7433	.04543	3.1307	.00961	.33805	.00614	.01593	.48260
#2	3.4645	.01064	.22201	.01135	.02126	1.7170	.04538	3.1455	.00929	.32927	.00862	.01620	.50953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0616**	**.11302**	**.01123**	**.01632**	**.00998**	**.01701**	F **.09678**	**.01063**	F **.04567**	F **.01966**
Stddev	.0408	.00026	.00000	.00111	.00024	.00028	.04292	.00002	.00042	.00116
%RSD	3.8392	.23274	.01718	6.8198	2.3768	1.6438	44.350	.20118	.91952	5.8938
#1	1.0328	.11320	.01123	.01554	.01015	.01721	.12713	.01064	.04537	.02048
#2	1.0904	.11283	.01123	.01711	.00981	.01681	.06643	.01061	.04597	.01884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value							.06000		.02000	.01500
Range							30.000%		30.000%	30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8811.9**	**120380.**	**7146.2**
Stddev	21.1	133.	26.6
%RSD	.23986	.11025	.37188
#1	8797.0	120290.	7164.9
#2	8826.9	120470.	7127.4

Sample Name: mb 280-200278/1-a Acquired: 11/12/2013 3:53:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00288**	**.00175**	W **.00619**	**-.00044**	**.00002**	**-.00014**	**.00713**	**.00012**	**.00015**
Stddev	.00021	.00009	.00204	.00014	.00023	.00006	.00022	.00629	.00000	.00001
%RSD	40.489	3.1557	116.33	2.2336	52.468	374.39	157.39	88.239	1.3888	6.8479
#1	.00036	-.00281	.00319	.00609	-.00028	-.00003	.00002	.01158	.00012	.00016
#2	.00065	-.00294	.00031	.00629	-.00060	.00006	-.00030	.00268	.00012	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00392						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00017**	**.00071**	**.10554**	**-.00102**	**.00014**	**.00012**	**-.00009**	W **.49119**	**.00038**
Stddev	.0000	.00017	.00396	.05207	.00194	.00178	.00001	.00017	.00718	.00004
%RSD	1044.8	95.884	560.28	49.334	190.73	1313.2	9.1159	195.42	1.4622	11.594
#1	-.00002	.00006	.00350	.14236	-.00239	-.00113	.00013	-.00020	.49627	.00035
#2	.00001	.00029	-.00209	.06873	.00036	.00140	.00011	.00003	.48611	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.00026**	F **.23359**	**-.00120**	**.00019**	F **.02106**	**.04506**	**.00030**	**.00003**	**-.00036**
Stddev	.00149	.00058	.00262	.00040	.00310	.00381	.00815	.00007	.00012	.00088
%RSD	289.23	221.84	1.1202	33.763	1672.6	18.094	18.094	24.398	471.26	245.61
#1	-.00157	-.00068	.23174	-.00148	.00238	.02375	.05083	.00035	-.00006	.00026
#2	.00054	.00015	.23544	-.00091	-.00201	.01836	.03930	.00024	.00011	-.00098
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00025**	**.01794**	**-.00003**	W **.00412**	**.00552**
Stddev	.00034	.00022	.00316	.00042	.00031	.00055
%RSD	221.75	87.837	17.629	1594.0	7.4261	9.8788
#1	.00009	.00040	.02018	.00027	.00434	.00591
#2	-.00039	.00009	.01570	-.00032	.00391	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8944.7**	**121890.**	**7188.3**
Stddev	6.0	656.	14.7
%RSD	.06703	.53818	.20510
#1	8940.5	122350.	7198.7
#2	8948.9	121430.	7177.9

Sample Name: lcs 280-200278/2-a Acquired: 11/12/2013 3:55:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05255**	**1.9986**	**1.0276**	**1.0423**	**2.1131**	**.04937**	**2.3584**	**48.965**	**.10927**	**.50582**
Stddev	.00002	.0021	.0007	.0021	.0037	.00017	.0055	.047	.00038	.00023
%RSD	.03764	.10700	.06785	.20394	.17569	.33451	.23120	.09532	.34676	.04621
#1	.05256	1.9971	1.0281	1.0408	2.1104	.04926	2.3546	48.932	.10900	.50565
#2	.05253	2.0001	1.0271	1.0438	2.1157	.04949	2.3623	48.998	.10954	.50598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20868**	**.26787**	**.99131**	**53.395**	**1.0403**	**49.842**	**.50498**	**1.0441**	F **56.053**	**.50941**
Stddev	.00005	.00056	.00868	.088	.0006	.052	.00052	.0007	.390	.00028
%RSD	.02174	.20919	.87601	.16409	.06195	.10480	.10255	.06812	.69609	.05421
#1	.20871	.26827	.98517	53.333	1.0398	49.879	.50534	1.0436	55.777	.50961
#2	.20864	.26748	.99745	53.457	1.0407	49.805	.50461	1.0446	56.329	.50922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.470**	**.50091**	**.26203**	**.51090**	**2.0565**	**9.6945**	**20.746**	**2.0437**	**1.0432**	**1.0343**
Stddev	.029	.00045	.00286	.00282	.0027	.0997	.213	.0004	.0002	.0009
%RSD	.27671	.08975	1.0899	.55273	.12901	1.0288	1.0288	.02032	.01613	.08407
#1	10.449	.50059	.26405	.50891	2.0546	9.6240	20.595	2.0434	1.0433	1.0349
#2	10.490	.50122	.26001	.51290	2.0583	9.7650	20.897	2.0440	1.0431	1.0336
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0209**	**1.9995**	**2.2281**	**.51633**	**.49502**	**.51900**
Stddev	.0010	.0046	.0088	.00071	.00001	.00404
%RSD	.09423	.23266	.39421	.13759	.00205	.77844
#1	1.0216	2.0028	2.2343	.51583	.49501	.51614
#2	1.0202	1.9962	2.2218	.51683	.49502	.52185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.7**	**114680.**	**7157.3**
Stddev	14.7	212.	9.8
%RSD	.17264	.18504	.13739
#1	8493.3	114530.	7150.3
#2	8514.1	114830.	7164.2

Sample Name: 280-48836-c-13-g Acquired: 11/12/2013 3:57:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00119**	**.00071**	**.03206**	**.38424**	**.00000**	**-.00199**	**4.5363**	**.00000**	**-.00004**
Stddev	.00013	.00021	.00206	.00029	.00023	.00004	.00089	.0086	.00011	.00013
%RSD	32.870	17.379	292.30	.89463	.05877	6072.6	44.909	.18924	4570.4	315.54
#1	.00030	.00104	-.00075	.03186	.38408	-.00003	-.00136	4.5303	.00008	-.00013
#2	.00049	.00133	.00216	.03227	.38440	.00003	-.00262	4.5424	-.00007	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00079**	**.27358**	**1.2824**	**.00844**	**.87376**	**.00540**	**.00073**	**182.91**	**.00063**
Stddev	.00002	.00006	.00081	.0084	.00033	.00346	.00001	.00007	.39	.00022
%RSD	10.377	7.7268	.29455	.65437	3.8858	.39569	.14316	8.8757	.21539	35.370
#1	.00014	.00083	.27301	1.2765	.00867	.87132	.00541	.00078	182.63	.00047
#2	.00017	.00075	.27415	1.2884	.00821	.87621	.00540	.00069	183.19	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02425**	**-.00056**	**.28569**	**-.00233**	**.00209**	**5.9535**	**12.740**	**.00032**	**.29226**	**-.00055**
Stddev	.00010	.00036	.00218	.00012	.00091	.0119	.025	.00006	.00007	.00090
%RSD	.40345	63.903	.76207	5.2223	43.377	.20005	.20005	18.644	.02393	164.54
#1	.02432	-.00031	.28723	-.00224	.00273	5.9451	12.722	.00037	.29231	.00009
#2	.02418	-.00082	.28415	-.00242	.00145	5.9619	12.759	.00028	.29221	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00130**	**.01614**	**.00028**	**.00299**	**.00316**
Stddev	.00023	.00104	.02059	.00020	.00020	.00026
%RSD	109.53	80.014	127.58	70.434	6.7341	8.3198
#1	-.00005	.00056	.03070	.00014	.00313	.00297
#2	-.00038	.00203	.00158	.00042	.00285	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8465.0**	**114440.**	**7219.2**
Stddev	22.8	55.	16.8
%RSD	.26954	.04794	.23227
#1	8448.9	114400.	7207.3
#2	8481.2	114480.	7231.0

Sample Name: 280-48836-c-14-e Acquired: 11/12/2013 4:00:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.01152**	**.00091**	**.17061**	**.30161**	**-.00004**	**-.00270**	**2.4938**	**.00010**	**-.00019**
Stddev	.00011	.00042	.00166	.00188	.00170	.00005	.00090	.0088	.00014	.00002
%RSD	17.541	3.6416	182.78	1.1001	.56286	118.80	33.454	.35098	140.80	9.4481
#1	.00071	.01182	-.00027	.17194	.30281	-.00007	-.00333	2.4876	.00020	-.00018
#2	.00055	.01122	.00209	.16929	.30040	-.00001	-.00206	2.5000	.00000	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00110**	**.64371**	**2.1368**	**.07253**	**.32598**	**.01248**	**.00109**	**409.87**	**.00086**
Stddev	.00007	.00005	.00459	.0016	.00025	.00064	.00001	.00001	1.80	.00030
%RSD	5.9402	4.9832	.71256	.07350	.34385	.19547	.06552	.85965	.43976	35.008
#1	.00105	.00114	.64047	2.1357	.07235	.32553	.01248	.00110	411.14	.00107
#2	.00114	.00106	.64695	2.1379	.07271	.32643	.01247	.00109	408.59	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02465**	**-.00054**	**.34085**	**-.00359**	**.00318**	**8.7137**	**18.647**	**-.00029**	**.38678**	**-.00074**
Stddev	.00115	.00011	.00804	.00084	.00059	.0301	.064	.00059	.00155	.00052
%RSD	4.6786	21.125	2.3577	23.354	18.700	.34545	.34545	202.07	.39977	71.013
#1	.02383	-.00046	.34653	-.00299	.00276	8.6924	18.602	.00013	.38787	-.00037
#2	.02546	-.00062	.33517	-.00418	.00360	8.7350	18.693	-.00071	.38569	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00073**	**.00755**	**.00032**	**.00260**	**.00272**
Stddev	.00030	.00228	.02883	.00008	.00013	.00223
%RSD	4110.8	312.43	381.81	25.782	5.1583	81.832
#1	-.00022	.00088	-.01284	.00026	.00250	.00115
#2	.00021	-.00234	.02794	.00038	.00269	.00429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.1**	**110070.**	**7154.5**
Stddev	22.2	27.	2.5
%RSD	.27460	.02410	.03497
#1	8092.8	110050.	7156.3
#2	8061.4	110090.	7152.8

Sample Name: 280-48836-c-14-eSD@5 Acquired: 11/12/2013 4:02:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00798**	**.00095**	**.04061**	**.06372**	**-.00004**	**.00074**	**.54020**	**.00015**	**.00013**
Stddev	.00009	.00004	.00115	.00056	.00063	.00006	.00029	.00068	.00030	.00016
%RSD	32.291	.49409	121.26	1.3874	.98753	151.30	39.261	.12556	202.55	123.75
#1	.00021	.00801	.00177	.04101	.06416	-.00009	.00053	.53972	-.00006	.00024
#2	.00034	.00795	.00014	.04021	.06327	.00000	.00094	.54068	.00036	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00051**	**.14718**	**.53847**	**.01242**	**.06958**	**.00281**	**.00008**	**86.682**	**.00059**
Stddev	.00000	.00028	.00200	.00135	.00127	.00152	.00012	.00016	.124	.00019
%RSD	.08823	54.362	1.3568	.25072	10.245	2.1857	4.2598	216.01	.14275	32.520
#1	.00029	.00071	.14577	.53751	.01152	.06851	.00290	.00019	86.769	.00045
#2	.00029	.00032	.14859	.53942	.01332	.07066	.00273	-.00004	86.594	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**-.00017**	**.23681**	**-.00259**	**-.00273**	**1.8259**	**3.9074**	**.00167**	**.08173**	**.00023**
Stddev	.00011	.00028	.00055	.00036	.00191	.0004	.0008	.00001	.00069	.00091
%RSD	7.9429	157.93	.23405	13.759	70.046	.01947	.01947	.38409	.83999	396.56
#1	.00151	-.00037	.23720	-.00234	-.00408	1.8256	3.9068	.00167	.08221	.00088
#2	.00135	.00002	.23642	-.00285	-.00138	1.8261	3.9079	.00168	.08124	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00079**	**.00053**	**.00049**	**.00658**	**.00128**
Stddev	.00003	.00076	.04693	.00028	.00015	.00022
%RSD	4.9260	96.081	8913.4	56.052	2.3019	17.364
#1	-.00051	.00132	-.03266	.00069	.00647	.00112
#2	-.00055	.00025	.03371	.00030	.00669	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.6**	**110110.**	**6587.7**
Stddev	12.2	74.	15.8
%RSD	.14850	.06689	.24018
#1	8213.3	110060.	6598.9
#2	8196.0	110160.	6576.5

Sample Name: 280-48836-c-14-f ms Acquired: 11/12/2013 4:05:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05334**	**1.9203**	**1.0124**	**1.1517**	**2.3234**	**.04745**	F **2.2284**	**49.634**	**.10644**	**.48158**
Stddev	.00075	.0044	.0017	.0005	.0051	.00008	.0035	.141	.00033	.00088
%RSD	1.4121	.23057	.16633	.04174	.21849	.16266	.15883	.28407	.30964	.18330
#1	.05387	1.9171	1.0112	1.1513	2.3198	.04750	2.2259	49.734	.10621	.48096
#2	.05280	1.9234	1.0136	1.1520	2.3270	.04739	2.2309	49.534	.10667	.48221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20147**	**.25479**	**1.5708**	**55.349**	**1.0790**	**48.004**	**.49804**	**1.0106**	**469.11**	**.48807**
Stddev	.00036	.00141	.0034	.012	.0027	.038	.00037	.0020	.02	.00051
%RSD	.17999	.55264	.21789	.02092	.24785	.08015	.07522	.20202	.00480	.10403
#1	.20121	.25579	1.5733	55.341	1.0809	47.977	.49777	1.0091	469.09	.48771
#2	.20172	.25380	1.5684	55.357	1.0771	48.032	.49830	1.0120	469.13	.48843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.408**	**.47149**	**.31516**	**.48983**	**2.0099**	**18.506**	**39.603**	**1.9617**	**1.3899**	**.99961**
Stddev	.016	.00040	.00269	.00214	.0053	.102	.219	.0040	.0012	.00057
%RSD	.15792	.08378	.85460	.43698	.26241	.55188	.55188	.20536	.08566	.05702
#1	10.396	.47177	.31326	.49135	2.0062	18.434	39.449	1.9589	1.3891	1.0000
#2	10.420	.47121	.31707	.48832	2.0136	18.578	39.758	1.9646	1.3907	.99921
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98480**	**1.7988**	**2.0979**	**.50152**	**.49957**	**.50468**
Stddev	.00085	.0038	.0096	.00250	.00107	.00254
%RSD	.08635	.21347	.45784	.49838	.21392	.50275
#1	.98540	1.8015	2.0911	.50329	.50033	.50289
#2	.98419	1.7961	2.1047	.49975	.49882	.50648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8036.2**	**106500.**	**6754.0**
Stddev	23.7	477.	87.8
%RSD	.29539	.44796	1.2992
#1	8053.0	106840.	6691.9
#2	8019.4	106170.	6816.0

Sample Name: 280-48836-c-14-g msd Acquired: 11/12/2013 4:07:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05303**	**1.9190**	**1.0219**	**1.1554**	**2.3441**	**.04789**	F **2.2510**	**49.964**	**.10686**	**.48499**
Stddev	.00054	.0023	.0010	.0026	.0164	.00032	.0062	.386	.00019	.00032
%RSD	1.0270	.11764	.10166	.22058	.69938	.66364	.27518	.77234	.17313	.06555
#1	.05342	1.9174	1.0212	1.1536	2.3557	.04811	2.2466	50.237	.10673	.48477
#2	.05265	1.9206	1.0227	1.1572	2.3325	.04766	2.2553	49.691	.10699	.48522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20324**	**.25811**	**1.5888**	**55.580**	**1.0882**	**47.760**	**.49981**	**1.0156**	**472.04**	**.48993**
Stddev	.00025	.00212	.0016	.247	.0050	.059	.00039	.0013	2.46	.00046
%RSD	.12384	.82069	.09889	.44487	.46186	.12401	.07833	.12431	.52117	.09346
#1	.20306	.25961	1.5899	55.755	1.0918	47.718	.49953	1.0147	473.78	.48960
#2	.20342	.25661	1.5877	55.406	1.0847	47.802	.50009	1.0165	470.30	.49025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.468**	**.47413**	**.33371**	**.48889**	**2.0196**	**18.635**	**39.880**	**1.9633**	**1.4028**	**1.0096**
Stddev	.018	.00085	.00280	.00503	.0123	.114	.243	.0062	.0061	.0019
%RSD	.17503	.17908	.83985	1.0296	.60930	.60957	.60957	.31663	.43712	.18837
#1	10.455	.47473	.33173	.49245	2.0283	18.716	40.051	1.9677	1.4071	1.0110
#2	10.481	.47353	.33570	.48533	2.0109	18.555	39.708	1.9589	1.3984	1.0083
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98806**	**1.8100**	**2.0915**	**.50423**	**.49409**	**.50708**
Stddev	.00053	.0068	.0156	.00021	.00083	.00407
%RSD	.05330	.37677	.74623	.04168	.16886	.80215
#1	.98769	1.8148	2.0804	.50438	.49350	.50996
#2	.98843	1.8052	2.1025	.50409	.49468	.50421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.3**	**108450.**	**6988.7**
Stddev	.7	494.	28.3
%RSD	.00834	.45506	.40440
#1	8138.9	108800.	6968.7
#2	8139.8	108100.	7008.7

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:09:24 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**50.106**	**.00338**	**.00584**	**.00025**	**-.00008**	F **1.1119**	**.02943**	**-.00010**	**-.00012**	**-.00001**	**.01100**
Stddev	.00019	.039	.00138	.00023	.00006	.00003	.0016	.00140	.00019	.00026	.00013	.00010
%RSD	2.5430	.07752	40.956	3.9266	22.396	35.803	.14382	4.7533	198.12	215.75	1816.0	.90764
#1	.00749	50.134	.00240	.00600	.00029	-.00010	1.1108	.03042	-.00023	-.00031	-.00010	.01093
#2	.00777	50.079	.00436	.00567	.00021	-.00006	1.1131	.02844	.00004	.00006	.00009	.01107
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.240**	**.18554**	**-.00145**	**.08729**	**.00078**	**.00027**	**268.84**	**.00009**	**.00057**	**.00074**	W **5.4957**	**.00135**
Stddev	.023	.00695	.00121	.00294	.00002	.00026	.12	.00003	.00057	.00078	.0095	.00094
%RSD	.04683	3.7474	83.493	3.3632	2.3213	93.248	.04587	32.041	100.90	105.16	.17258	69.509
#1	48.256	.19046	-.00059	.08936	.00079	.00045	268.93	.00007	.00016	.00019	5.5024	.00069
#2	48.224	.18063	-.00230	.08521	.00076	.00009	268.75	.00012	.00097	.00129	5.4890	.00202
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**.03132**	**.06703**	**-.00009**	**.00056**	**5.0231**	**-.01234**	**.00123**	F **5.4932**	**.00142**	**.00157**	**.05774**
Stddev	.00196	.00886	.01895	.00089	.00005	.0026	.00009	.00134	.0563	.00008	.00006	.00161
%RSD	100.37	28.278	28.278	976.45	8.1678	.05128	.73953	108.48	1.0253	5.9377	3.5618	2.7936
#1	-.00057	.03759	.08043	.00054	.00059	5.0213	-.01240	.00029	5.4534	.00136	.00161	.05660
#2	-.00334	.02506	.05363	-.00072	.00052	5.0249	-.01227	.00218	5.5330	.00148	.00153	.05888
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8633.9**	**115650.**	**7118.5**
Stddev	.2	216.	1.5
%RSD	.00273	.18693	.02123
#1	8634.1	115800.	7117.4
#2	8633.8	115490.	7119.5

Sample Name: CCV-2372889 Acquired: 11/12/2013 4:11:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50342**	**.52271**	**1.0089**	**.51679**	**.51107**	**.48538**	**-.00235**	**4.9196**	**.50929**	**.50523**	**.50762**	**.51358**	**2.3738**
Stddev	.00074	.00122	.0030	.00009	.00086	.00174	.00020	.0423	.00141	.00014	.00012	.00067	.0201
%RSD	.14716	.23282	.29967	.01780	.16804	.35940	8.6877	.85895	.27716	.02798	.02387	.12960	.84731
#1	.50289	.52357	1.0068	.51685	.51046	.48415	-.00221	4.9494	.50829	.50513	.50771	.51311	2.3880
#2	.50394	.52185	1.0110	.51672	.51167	.48661	-.00250	4.8897	.51029	.50533	.50753	.51405	2.3596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.631**	**1.0089**	**19.356**	**.49043**	**.51208**	F **5.5307**	**.50995**	**1.0147**	**1.0206**	**.19005**	**1.0357**	**1.0183**	**4.7271**
Stddev	.028	.0018	.030	.00001	.00373	.0228	.00007	.0056	.0047	.00445	.0094	.0044	.0207
%RSD	.05516	.17716	.15384	.00204	.72871	.41299	.01313	.54773	.46220	2.3411	.90419	.43122	.43707
#1	51.611	1.0076	19.335	.49042	.51472	5.5468	.50991	1.0187	1.0239	.19320	1.0423	1.0214	4.7417
#2	51.651	1.0101	19.377	.49043	.50944	5.5145	.51000	1.0108	1.0172	.18691	1.0291	1.0152	4.7125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.116**	**1.0124**	**.50642**	**-.00335**	**.49047**	**1.0312**	**.01347**	**.49632**	**.48272**	**.49535**
Stddev	.044	.0063	.00092	.00112	.00058	.0035	.01532	.00067	.00014	.00362
%RSD	.43707	.62190	.18147	33.502	.11755	.33932	113.71	.13565	.02855	.73025
#1	10.147	1.0169	.50577	-.00256	.49088	1.0337	.02430	.49679	.48282	.49791
#2	10.085	1.0080	.50707	-.00415	.49006	1.0288	.00264	.49584	.48262	.49279
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8875.7**	**121250.**	**7314.6**
Stddev	23.2	26.	34.2
%RSD	.26144	.02182	.46691
#1	8892.1	121230.	7338.8
#2	8859.3	121260.	7290.5

Sample Name: CCB Acquired: 11/12/2013 4:13:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00410**	**.00140**	**.00420**	**-.00036**	**.00011**	**-.00267**	**.00342**	**.00024**	**.00009**	**.00000**	**-.00051**
Stddev	.00014	.00019	.00257	.00010	.00006	.00005	.00130	.00154	.00003	.00017	.0000	.00027
%RSD	19.553	4.5857	183.68	2.4320	16.081	44.753	48.866	45.106	10.949	200.79	840.49	53.424
#1	.00062	-.00397	-.00042	.00412	-.00032	.00015	-.00175	.00451	.00022	-.00004	-.00003	-.00032
#2	.00082	-.00423	.00321	.00427	-.00040	.00008	-.00359	.00233	.00026	.00021	.00002	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.09891**	**.00050**	**.00214**	**.00009**	**.00029**	F **.19680**	**.00063**	**-.00316**	**.00039**	**.18949**	**.00244**
Stddev	.00083	.01354	.00292	.00220	.00004	.00002	.01117	.00003	.00045	.00078	.00200	.00147
%RSD	92.546	13.694	585.47	102.80	46.515	6.2541	5.6734	5.2114	14.363	201.05	1.0550	60.237
#1	.00149	.10849	-.00157	.00370	.00013	.00030	.18891	.00061	-.00348	.00093	.19090	.00140
#2	.00031	.08933	.00257	.00059	.00006	.00028	.20470	.00065	-.00284	-.00016	.18807	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.00876**	**.01874**	**.00023**	**.00019**	**.00188**	**-.00047**	**-.00019**	**.00543**	**.00022**	**.00193**	W **.00241**
Stddev	.00100	.01324	.02833	.00052	.00007	.00189	.00017	.00053	.01684	.00005	.00044	.00142
%RSD	65.576	151.23	151.23	219.55	37.265	100.63	34.880	274.20	310.05	21.398	22.911	59.040
#1	-.00082	-.00061	-.00130	-.00013	.00014	.00321	-.00059	.00018	.01734	.00026	.00224	.00342
#2	-.00223	.01812	.03877	.00060	.00024	.00054	-.00036	-.00057	-.00648	.00019	.00162	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8734.4**	**122210.**	**7282.4**
Stddev	15.4	698.	17.6
%RSD	.17595	.57101	.24227
#1	8745.3	122700.	7269.9
#2	8723.6	121720.	7294.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 4:16:13 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.10845**	**.01582**	**.10347**	**.01031**	**.00101**	**.12286**	**.21242**	**.00519**	**.01090**	**.01061**	**.01595**	**.09984**
Stddev	.00029	.00082	.00028	.00022	.00021	.00001	.00191	.00480	.00021	.00015	.00012	.00055	.00413
%RSD	2.6388	.75622	1.7979	.21544	1.9950	.95204	1.5577	2.2593	4.0933	1.3373	1.1110	3.4290	4.1367
#1	.01071	.10787	.01562	.10331	.01016	.00102	.12421	.21581	.00504	.01100	.01053	.01634	.09692
#2	.01111	.10903	.01602	.10363	.01045	.00101	.12150	.20903	.00534	.01079	.01070	.01556	.10276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2967**	**.01220**	**.21054**	**.01036**	**.02067**	F **1.3057**	**.04293**	**2.9612**	**.00915**	**.16360**	**.00922**	**.01498**	**.50461**
Stddev	.0469	.00135	.00121	.00006	.00019	.0281	.00024	.0064	.00023	.00796	.00037	.00274	.01822
%RSD	1.4222	11.092	.57704	.59832	.92458	2.1493	.55232	.21471	2.4620	4.8683	4.0216	18.313	3.6108
#1	3.2635	.01124	.20968	.01032	.02053	1.2859	.04276	2.9567	.00931	.16923	.00896	.01691	.49173
#2	3.3298	.01316	.21140	.01041	.02080	1.3256	.04310	2.9657	.00899	.15797	.00949	.01304	.51750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0799**	**.10431**	**.01043**	**.01525**	**.00945**	**.01669**	F **.08647**	**.00997**	**.02310**	**.01672**
Stddev	.0390	.00014	.00029	.00018	.00009	.00067	.02371	.00006	.00020	.00050
%RSD	3.6108	.13500	2.7354	1.1586	.90003	4.0077	27.422	.64982	.86873	2.9656
#1	1.0523	.10421	.01023	.01512	.00951	.01716	.06970	.00993	.02324	.01707
#2	1.1074	.10441	.01064	.01537	.00939	.01622	.10323	.01002	.02295	.01637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8643.4**	**117250.**	**6688.7**
Stddev	25.1	162.	27.7
%RSD	.29027	.13840	.41376
#1	8661.1	117370.	6669.1
#2	8625.6	117140.	6708.3

Sample Name: 280-48983-f-1-d Acquired: 11/12/2013 4:18:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.18449**	**.00112**	**.01484**	**.06502**	**-.00004**	**-.00056**	**38.334**	**.00021**	**.00014**
Stddev	.00057	.00031	.00175	.00031	.00042	.00004	.00006	.222	.00015	.00006
%RSD	198.65	.16688	155.79	2.1101	.63886	108.22	10.550	.57883	72.749	44.402
#1	.00069	.18427	-.00011	.01506	.06473	-.00001	-.00052	38.177	.00010	.00019
#2	-.00012	.18470	.00236	.01462	.06532	-.00007	-.00060	38.491	.00032	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00075**	**.18015**	**1.4267**	**.00385**	**8.1636**	**.01656**	**.00067**	**12.176**	**.00069**
Stddev	.00007	.00041	.00219	.0022	.00195	.0138	.00006	.00006	.060	.00007
%RSD	28.313	54.473	1.2148	.15209	50.663	.16873	.34676	9.0448	.48964	9.9046
#1	.00030	.00046	.17861	1.4252	.00247	8.1733	.01652	.00063	12.134	.00074
#2	.00020	.00104	.18170	1.4283	.00523	8.1539	.01660	.00071	12.219	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.00019**	**16.635**	**-.00283**	**-.00017**	**6.0048**	**12.850**	**.00023**	**.33125**	**-.00021**
Stddev	.00088	.00041	.030	.00141	.00082	.0183	.039	.00017	.00176	.00006
%RSD	27.472	208.67	.17782	49.833	488.33	.30545	.30545	71.693	.53230	26.083
#1	.00257	.00048	16.656	-.00383	-.00075	5.9918	12.822	.00012	.33001	-.00025
#2	.00381	-.00009	16.614	-.00183	.00041	6.0178	12.878	.00035	.33250	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.00031**	**.01883**	**.00063**	**.00463**	**.00251**
Stddev	.00035	.00007	.03734	.00002	.00017	.00302
%RSD	9.9030	24.370	198.32	2.8909	3.5701	120.33
#1	.00377	.00036	-.00758	.00061	.00452	.00464
#2	.00328	.00025	.04524	.00064	.00475	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8495.7**	**114620.**	**6802.4**
Stddev	44.3	196.	53.5
%RSD	.52124	.17115	.78655
#1	8464.4	114480.	6840.3
#2	8527.0	114760.	6764.6

Sample Name: 280-48983-f-2-b Acquired: 11/12/2013 4:20:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.21282**	**.00009**	**.01367**	**.06134**	**-.00002**	**-.00107**	**35.222**	**.00008**	**.00011**
Stddev	.00056	.00256	.00167	.00021	.00010	.00007	.00223	.154	.00011	.00011
%RSD	138.67	1.2038	1943.1	1.5274	.16443	307.46	207.93	.43698	135.19	99.019
#1	.00001	.21101	.00126	.01382	.06141	.00003	-.00265	35.331	.00016	.00003
#2	.00080	.21463	-.00109	.01352	.06127	-.00008	.00050	35.113	.00000	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00072**	**.22891**	**1.3302**	**.00839**	**8.2757**	**.02031**	**.00062**	**17.330**	**.00031**
Stddev	.00010	.00047	.00438	.0191	.00049	.0149	.00000	.00007	.030	.00014
%RSD	86.871	64.878	1.9143	1.4335	5.8076	.18002	.00066	11.691	.17525	45.794
#1	.00005	.00106	.23201	1.3437	.00874	8.2862	.02031	.00067	17.351	.00021
#2	.00019	.00039	.22581	1.3167	.00805	8.2651	.02031	.00057	17.308	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**-.00028**	**16.997**	**-.00171**	**-.00143**	**5.3770**	**11.507**	**.00001**	**.34147**	**-.00108**
Stddev	.00317	.00116	.007	.00113	.00048	.0237	.051	.00033	.00029	.00023
%RSD	89.783	408.05	.04019	66.285	33.415	.43978	.43978	2308.9	.08504	21.325
#1	.00129	-.00111	16.992	-.00251	-.00177	5.3938	11.543	.00024	.34167	-.00125
#2	.00577	.00054	17.002	-.00091	-.00109	5.3603	11.471	-.00022	.34126	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00032**	**.05207**	**.00102**	**.00307**	**.00280**
Stddev	.00027	.00007	.00676	.00022	.00024	.00079
%RSD	7.8070	23.260	12.989	21.949	7.8824	28.076
#1	.00327	.00037	.05686	.00086	.00324	.00224
#2	.00365	.00027	.04729	.00118	.00290	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8476.1**	**114800.**	**6763.1**
Stddev	13.1	346.	44.6
%RSD	.15492	.30148	.65936
#1	8466.9	114550.	6731.5
#2	8485.4	115040.	6794.6

Sample Name: 280-48983-f-3-b Acquired: 11/12/2013 4:23:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.20443**	**.00145**	**.01352**	**.06368**	**.00006**	**-.00141**	**36.968**	**.00026**	**.00004**
Stddev	.00016	.00122	.00318	.00086	.00021	.00004	.00073	.014	.00004	.00002
%RSD	29.375	.59589	218.73	6.3431	.33646	64.436	52.031	.03911	15.562	66.842
#1	.00042	.20357	.00370	.01413	.06352	.00003	-.00192	36.978	.00028	.00005
#2	.00065	.20529	-.00079	.01292	.06383	.00008	-.00089	36.957	.00023	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00058**	**.21996**	**1.3561**	**.00623**	**8.6709**	**.02068**	**.00054**	**17.948**	**.00068**
Stddev	.00013	.00002	.00245	.0302	.00256	.0003	.00002	.00008	.142	.00013
%RSD	91.545	3.9622	1.1124	2.2238	41.076	.00310	.11340	15.871	.78934	19.301
#1	.00005	.00060	.21823	1.3347	.00804	8.6707	.02066	.00048	17.848	.00078
#2	.00024	.00056	.22169	1.3774	.00442	8.6711	.02069	.00060	18.048	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**-.00043**	**17.740**	**-.00282**	**.00026**	**5.5329**	**11.840**	**.00011**	**.35813**	**.00017**
Stddev	.00092	.00142	.028	.00117	.00064	.0532	.114	.00001	.00033	.00042
%RSD	28.582	334.36	.15755	41.423	248.71	.96094	.96094	8.6887	.09099	242.12
#1	.00257	.00058	17.720	-.00365	-.00020	5.4953	11.760	.00010	.35836	-.00012
#2	.00388	-.00143	17.759	-.00200	.00071	5.5705	11.921	.00011	.35790	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**.00003**	**-.01313**	**.00089**	**.00383**	**.00315**
Stddev	.00000	.00018	.01672	.00040	.00067	.00070
%RSD	.02153	641.60	127.34	45.065	17.416	22.124
#1	.00384	.00015	-.02496	.00061	.00430	.00364
#2	.00384	-.00010	-.00131	.00118	.00336	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8490.8**	**114660.**	**6766.4**
Stddev	2.9	386.	3.9
%RSD	.03428	.33648	.05779
#1	8488.7	114940.	6763.7
#2	8492.8	114390.	6769.2

Sample Name: 280-48983-a-4-b Acquired: 11/12/2013 4:25:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**1.9932**	**-.00190**	**.03191**	**.05323**	**.00005**	**-.00226**	**193.72**	**.00098**	**.00067**
Stddev	.00044	.0041	.00129	.00014	.00061	.00009	.00234	.54	.00007	.00001
%RSD	99.640	.20389	67.624	.43036	1.1512	175.25	103.17	.27999	6.6288	2.0638
#1	.00013	1.9961	-.00099	.03181	.05280	-.00001	-.00061	193.34	.00103	.00068
#2	.00076	1.9904	-.00282	.03201	.05366	.00011	-.00392	194.11	.00094	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00481**	**1.5147**	**6.0508**	**.06881**	**134.52**	**.02505**	**.00078**	**331.50**	**.00216**
Stddev	.00006	.00001	.0150	.0646	.00009	1.09	.00013	.00008	.87	.00042
%RSD	2.4387	.12200	.98721	1.0674	.13351	.81189	.52457	10.030	.26132	19.311
#1	.00240	.00480	1.5041	6.0965	.06888	133.75	.02496	.00072	330.89	.00187
#2	.00249	.00481	1.5253	6.0051	.06875	135.29	.02514	.00084	332.12	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06434**	**.00118**	F **435.54**	**-.00352**	**.00114**	**7.8924**	**16.890**	**.00034**	W **5.1300**	**.00027**
Stddev	.00117	.00040	1.20	.00136	.00374	.1053	.225	.00070	.0207	.00188
%RSD	1.8132	34.224	.27649	38.588	326.84	1.3340	1.3340	207.90	.40277	697.47
#1	.06352	.00089	436.39	-.00256	.00379	7.8179	16.730	.00084	5.1446	.00160
#2	.06517	.00146	434.69	-.00449	-.00150	7.9668	17.049	-.00016	5.1154	-.00106
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**.00086**	**-.04546**	**.00444**	**.01396**	**.00419**
Stddev	.00133	.00176	.01406	.00023	.00035	.00070
%RSD	2.4906	203.47	30.940	5.2272	2.5155	16.710
#1	.05415	-.00038	-.03551	.00428	.01371	.00469
#2	.05227	.00210	-.05540	.00461	.01421	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7885.6**	**105340.**	**6672.6**
Stddev	35.0	1131.	4.2
%RSD	.44376	1.0738	.06269
#1	7910.3	106140.	6669.7
#2	7860.8	104540.	6675.6

Sample Name: 280-48983-a-5-b Acquired: 11/12/2013 4:28:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00041**	**.00024**	**.00272**	**.00011**	**.00006**	**.00236**	**.10209**	**-.00004**	**.00019**
Stddev	.00024	.00019	.00023	.00021	.00024	.00002	.00154	.01680	.00016	.00009
%RSD	75.207	46.096	93.538	7.7612	222.02	27.981	65.146	16.459	367.17	49.983
#1	.00015	-.00028	.00040	.00287	.00028	.00007	.00345	.11397	-.00016	.00026
#2	.00048	-.00055	.00008	.00257	-.00006	.00004	.00128	.09021	.00007	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00001**	**.00507**	**.12670**	**-.00133**	**.03256**	**.00036**	**.00012**	**.39183**	**.00052**
Stddev	.00007	.00024	.00075	.03481	.00015	.00479	.00009	.00032	.01614	.00011
%RSD	242.10	1979.8	14.812	27.478	11.497	14.714	24.763	274.54	4.1180	21.321
#1	.00008	.00018	.00561	.15132	-.00122	.03595	.00030	-.00011	.40324	.00044
#2	-.00002	-.00016	.00454	.10208	-.00144	.02917	.00043	.00034	.38042	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00287**	**.00099**	**.18619**	**-.00167**	**.00041**	**.00370**	**.00791**	**.00020**	**.00227**	**-.00046**
Stddev	.00074	.00072	.01229	.00068	.00149	.00865	.01851	.00066	.00042	.00062
%RSD	25.700	72.602	6.6035	40.848	362.75	233.94	233.94	332.95	18.690	133.11
#1	-.00340	.00048	.19488	-.00119	-.00064	.00981	.02100	-.00027	.00257	-.00003
#2	-.00235	.00150	.17749	-.00216	.00146	-.00242	-.00517	.00067	.00197	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00016**	**.03713**	**-.00003**	**.00322**	**.00243**
Stddev	.00008	.00044	.02237	.00012	.00008	.00169
%RSD	20.803	281.24	60.239	398.51	2.4482	69.738
#1	-.00032	.00016	.05295	-.00011	.00327	.00123
#2	-.00043	-.00047	.02132	.00005	.00316	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8762.3**	**117650.**	**6774.2**
Stddev	5.4	775.	9.2
%RSD	.06165	.65890	.13567
#1	8766.1	117100.	6780.7
#2	8758.4	118190.	6767.7

Sample Name: 280-48942-f-1-b Acquired: 11/12/2013 4:30:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.11064**	**.00092**	**.03167**	**.02311**	**.00000**	**-.00064**	**29.999**	**.00020**	**.00042**
Stddev	.00008	.00130	.00119	.00069	.00050	.0000	.00144	.037	.00002	.00017
%RSD	26.736	1.1708	129.09	2.1698	2.1768	2584.4	223.69	.12391	11.399	39.292
#1	.00025	.11156	.00008	.03216	.02275	-.00003	.00037	29.972	.00021	.00054
#2	.00037	.10973	.00176	.03119	.02346	.00002	-.00166	30.025	.00018	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.08637**	**.26577**	**10.859**	**.00641**	**2.7690**	**.01687**	**.00168**	**108.36**	**.00308**
Stddev	.00018	.00129	.00112	.047	.00098	.0145	.00001	.00018	.24	.00035
%RSD	12.261	1.4944	.42253	.43000	15.283	.52228	.04664	10.713	.22501	11.406
#1	.00131	.08728	.26497	10.826	.00710	2.7793	.01687	.00155	108.18	.00283
#2	.00156	.08546	.26656	10.892	.00572	2.7588	.01686	.00180	108.53	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3453**	**.00166**	**8.9961**	**-.00207**	**-.00031**	**3.2581**	**6.9724**	**.00416**	**.09191**	**-.00003**
Stddev	.0148	.00115	.0533	.00023	.00017	.0222	.0476	.00031	.00077	.00249
%RSD	.34117	69.511	.59216	10.907	53.995	.68269	.68269	7.4211	.84064	9734.6
#1	4.3348	.00084	8.9584	-.00191	-.00043	3.2424	6.9388	.00438	.09246	.00174
#2	4.3558	.00247	9.0338	-.00223	-.00019	3.2739	7.0061	.00394	.09136	-.00179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.00051**	**-.01605**	**.00052**	**.21568**	**.00357**
Stddev	.00104	.00102	.01472	.00031	.00194	.00369
%RSD	21.865	202.44	91.696	59.261	.89888	103.31
#1	.00549	.00123	-.02646	.00074	.21705	.00096
#2	.00402	-.00022	-.00564	.00030	.21431	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8393.2**	**111740.**	**6786.9**
Stddev	56.2	468.	28.1
%RSD	.66981	.41911	.41459
#1	8353.5	111410.	6806.8
#2	8433.0	112070.	6767.0

Sample Name: 280-48973-e-1-c Acquired: 11/12/2013 4:32:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.15631**	**.00176**	**.18028**	**.05318**	**.00000**	**-.00308**	**44.846**	**.00033**	**.00022**
Stddev	.00017	.00113	.00023	.00029	.00016	.0001	.00214	.060	.00010	.00004
%RSD	119.26	.72511	13.152	.16033	.29942	2764.3	69.525	.13433	29.304	16.485
#1	-.00027	.15551	.00192	.18048	.05307	-.00005	-.00460	44.804	.00039	.00020
#2	-.00002	.15712	.00160	.18008	.05329	.00005	-.00157	44.889	.00026	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.01093**	**.90342**	**48.621**	**.01698**	**11.581**	**.10873**	**.00182**	**86.169**	**.00336**
Stddev	.00010	.00051	.00648	.142	.00147	.010	.00023	.00017	.272	.00000
%RSD	10.944	4.7061	.71753	.29166	8.6793	.08471	.20975	9.4154	.31623	.08813
#1	.00083	.01057	.89883	48.520	.01803	11.588	.10889	.00170	85.976	.00336
#2	.00097	.01130	.90800	48.721	.01594	11.574	.10857	.00194	86.361	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29325**	**.00051**	**26.659**	**-.00176**	**.00225**	**3.8405**	**8.2188**	**.00029**	**.29095**	**-.00075**
Stddev	.00292	.00101	.002	.00217	.00000	.0476	.1018	.00038	.00136	.00058
%RSD	.99444	199.01	.00906	123.49	.06397	1.2381	1.2381	131.91	.46657	77.090
#1	.29119	-.00021	26.661	-.00329	.00225	3.8069	8.1468	.00002	.28999	-.00034
#2	.29531	.00123	26.657	-.00022	.00225	3.8742	8.2907	.00056	.29191	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**-.00037**	**.04625**	**.00053**	**.04030**	**.00371**
Stddev	.00016	.00085	.00611	.00050	.00014	.00031
%RSD	21.640	232.61	13.201	93.027	.35608	8.2793
#1	.00086	-.00097	.04194	.00088	.04040	.00350
#2	.00063	.00024	.05057	.00018	.04020	.00393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.8**	**112310.**	**6846.0**
Stddev	35.3	45.	24.6
%RSD	.42201	.04027	.35984
#1	8340.8	112340.	6828.5
#2	8390.7	112280.	6863.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:34:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00830**	**50.436**	**.00004**	**.00259**	**-.00014**	**-.00012**	W **1.0847**	**.03031**	**-.00017**	**-.00024**	**.00006**	**.01062**
Stddev	.00072	.344	.00062	.00058	.00004	.00000	.0013	.00291	.00010	.00000	.00007	.00027
%RSD	8.6292	.68136	1443.4	22.477	26.567	1.0624	.11848	9.6103	55.742	1.0857	118.66	2.5783
#1	.00880	50.679	-.00040	.00218	-.00017	-.00012	1.0838	.03237	-.00010	-.00024	.00011	.01042
#2	.00779	50.193	.00048	.00300	-.00011	-.00012	1.0857	.02825	-.00024	-.00024	.00001	.01081
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.073**	**.10325**	**-.00254**	**.08409**	**.00077**	**-.00031**	**270.40**	**-.00025**	**-.00166**	**-.00037**	W **5.2856**	**-.00015**
Stddev	.154	.05878	.00222	.00057	.00001	.00012	.64	.00043	.00001	.00156	.0128	.00247
%RSD	.31475	56.926	87.426	.67865	.87948	39.448	.23685	168.82	.70665	418.87	.24228	1596.9
#1	49.182	.14481	-.00097	.08449	.00076	-.00022	270.85	-.00055	-.00165	-.00147	5.2765	-.00190
#2	48.964	.06169	-.00412	.08368	.00077	-.00039	269.95	.00005	-.00167	.00073	5.2946	.00159
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00442**	**.01431**	**.03063**	**.00044**	**.00034**	**5.0066**	**-.01311**	**.00018**	F **5.4059**	**.00134**	**.00126**	**.05536**
Stddev	.00248	.00370	.00792	.00094	.00009	.0165	.00034	.00087	.0255	.00064	.00022	.00035
%RSD	56.232	25.859	25.859	213.50	26.150	.32957	2.6067	470.93	.47115	48.276	17.343	.63985
#1	-.00266	.01170	.02503	-.00022	.00041	5.0183	-.01335	.00080	5.4239	.00179	.00111	.05561
#2	-.00617	.01693	.03623	.00111	.00028	4.9950	-.01287	-.00043	5.3879	.00088	.00141	.05511
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.3**	**110370.**	**6650.8**
Stddev	11.8	827.	43.9
%RSD	.14247	.74936	.66070
#1	8281.9	110960.	6619.7
#2	8298.6	109790.	6681.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 4:37:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50225**	**.53218**	**1.0010**	**.50505**	**.50579**	**.48202**	**-.00431**	**4.9715**	**.50363**	**.50409**	**.50656**	**.50653**	**2.3992**
Stddev	.00120	.00233	.0022	.00041	.00261	.00043	.00037	.0199	.00008	.00142	.00045	.00083	.0124
%RSD	.23975	.43830	.22273	.08064	.51565	.09003	8.5925	.39967	.01500	.28117	.08793	.16479	.51652
#1	.50140	.53383	1.0026	.50534	.50395	.48232	-.00458	4.9574	.50358	.50309	.50688	.50594	2.3904
#2	.50310	.53053	.99942	.50476	.50763	.48171	-.00405	4.9855	.50369	.50509	.50625	.50712	2.4079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.118**	**1.0092**	**19.953**	**.49522**	**.50918**	**5.4349**	**.51036**	**1.0024**	**1.0224**	**.11871**	**1.0153**	**1.0035**	**4.7819**
Stddev	.206	.0058	.036	.00128	.00124	.0263	.00099	.0006	.0002	.00147	.0083	.0127	.0283
%RSD	.39502	.57582	.17845	.25933	.24402	.48312	.19310	.05484	.02162	1.2379	.82109	1.2674	.59270
#1	51.972	1.0051	19.928	.49432	.51006	5.4163	.50966	1.0020	1.0222	.11767	1.0094	.99446	4.7619
#2	52.263	1.0133	19.978	.49613	.50830	5.4534	.51106	1.0028	1.0225	.11975	1.0212	1.0124	4.8020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.233**	**1.0208**	**.50217**	**-.00319**	**.49173**	**1.0245**	**.01910**	**.49896**	**.50242**	**.49195**
Stddev	.061	.0049	.00249	.00064	.00077	.0032	.02763	.00162	.00001	.00287
%RSD	.59270	.47577	.49581	20.046	.15724	.31381	144.63	.32496	.00202	.58324
#1	10.190	1.0173	.50041	-.00364	.49118	1.0223	.03864	.49781	.50242	.48992
#2	10.276	1.0242	.50393	-.00274	.49227	1.0268	-.00043	.50011	.50241	.49398
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8420.4**	**112930.**	**6643.9**
Stddev	4.4	533.	1.4
%RSD	.05268	.47207	.02134
#1	8417.3	113310.	6642.9
#2	8423.5	112550.	6644.9

Sample Name: CCB Acquired: 11/12/2013 4:39:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.00353**	**.00038**	**.00188**	**-.00020**	**.00010**	**.00132**	**.00585**	**-.00004**	**.00019**	**-.00001**	**-.00035**
Stddev	.00038	.00033	.00215	.00049	.00018	.00005	.00163	.00379	.00009	.00008	.00006	.00020
%RSD	43.258	9.4279	567.86	26.120	91.284	51.882	123.67	64.824	243.07	44.746	1154.8	56.655
#1	.00062	-.00329	.00190	.00153	-.00007	.00014	.00017	.00317	-.00010	.00025	.00004	-.00049
#2	.00116	-.00376	-.00114	.00223	-.00032	.00007	.00248	.00853	.00003	.00013	-.00005	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.05547**	**-.00100**	**.00410**	**.00012**	**.00023**	W **.13019**	**.00041**	**-.00485**	**-.00033**	**.11856**	**.00302**
Stddev	.00039	.03011	.00159	.00062	.00006	.00009	.00120	.00020	.00041	.00078	.00391	.00028
%RSD	189.28	54.275	159.05	15.184	50.333	38.120	.92111	49.112	8.5544	235.05	3.3006	9.2317
#1	.00007	.07676	-.00213	.00366	.00008	.00029	.12935	.00027	-.00514	.00022	.12133	.00282
#2	-.00048	.03418	.00012	.00454	.00016	.00017	.13104	.00056	-.00455	-.00088	.11579	.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00722**	**.01546**	**.00061**	**.00012**	**-.00015**	**-.00043**	**.00042**	**.02910**	**.00039**	**.00235**	W **.00303**
Stddev	.00094	.00445	.00953	.00027	.00000	.00212	.00034	.00050	.00663	.00035	.00001	.00073
%RSD	176.30	61.645	61.645	44.725	1.7695	1378.9	78.375	119.19	22.778	88.925	.57758	24.234
#1	.00013	.00407	.00872	.00080	.00012	.00135	-.00067	.00078	.03379	.00063	.00234	.00354
#2	-.00120	.01037	.02219	.00042	.00012	-.00165	-.00019	.00007	.02441	.00014	.00235	.00251
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8461.1**	**114450.**	**6498.4**
Stddev	18.5	534.	29.2
%RSD	.21899	.46694	.44980
#1	8448.0	114830.	6519.1
#2	8474.2	114080.	6477.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 4:41:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.10752**	**.01542**	**.10158**	**.00999**	**.00095**	**.12636**	**.20618**	**.00543**	**.01076**	**.01036**	**.01579**	**.09280**
Stddev	.00009	.00017	.00168	.00055	.00005	.00012	.00027	.00348	.00020	.00001	.00004	.00017	.00159
%RSD	.86763	.16137	10.888	.54271	.49759	12.598	.21353	1.6889	3.6945	.06528	.39984	1.0504	1.7084
#1	.01094	.10764	.01424	.10197	.00995	.00104	.12655	.20371	.00557	.01075	.01033	.01591	.09167
#2	.01081	.10740	.01661	.10119	.01002	.00087	.12616	.20864	.00529	.01076	.01039	.01568	.09392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1636**	**.00980**	**.21029**	**.01014**	**.02011**	**1.1795**	**.04274**	**2.9821**	**.00979**	**.08391**	**.00771**	**.01576**	**.49333**
Stddev	.0409	.00201	.00122	.00010	.00005	.0216	.00003	.0023	.00032	.00097	.00066	.00025	.00151
%RSD	1.2938	20.492	.57843	.95269	.26321	1.8336	.06701	.07729	3.2298	1.1547	8.5486	1.6097	.30552
#1	3.1346	.01122	.20943	.01007	.02007	1.1642	.04276	2.9837	.00957	.08459	.00818	.01558	.49226
#2	3.1925	.00838	.21115	.01021	.02015	1.1948	.04272	2.9805	.01002	.08322	.00725	.01594	.49439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0557**	**.10435**	**.01032**	**.01472**	**.00930**	**.01637**	F **.09300**	**.00950**	**.02346**	**.01778**
Stddev	.0032	.00092	.00021	.00033	.00000	.00080	.00816	.00037	.00033	.00098
%RSD	.30552	.88415	2.0237	2.2092	.01610	4.8738	8.7773	3.9105	1.4174	5.4991
#1	1.0534	.10500	.01017	.01449	.00930	.01580	.08723	.00976	.02322	.01709
#2	1.0580	.10370	.01047	.01495	.00930	.01693	.09878	.00924	.02369	.01847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8750.1**	**118530.**	**6779.5**
Stddev	15.9	90.	57.5
%RSD	.18212	.07593	.84741
#1	8761.4	118460.	6820.1
#2	8738.9	118590.	6738.8

Sample Name: mb 280-200000/1-a Acquired: 11/12/2013 4:44:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00201**	**.00030**	**.00136**	**-.00036**	**-.00002**	**.00042**	**.00868**	**.00004**	**.00026**
Stddev	.00001	.00038	.00030	.00057	.00018	.00005	.00040	.00183	.00009	.00012
%RSD	1.9100	18.797	101.19	41.890	50.017	278.27	96.037	21.077	228.47	47.050
#1	.00071	-.00227	.00008	.00096	-.00023	-.00006	.00013	.00738	.00010	.00017
#2	.00073	-.00174	.00051	.00177	-.00048	.00002	.00070	.00997	-.00002	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00324**	**.00555**	**-.03491**	**-.00079**	**-.00005**	**.00012**	**-.00003**	**.10658**	**.00047**
Stddev	.00003	.00037	.00003	.02645	.00187	.00069	.00005	.00000	.00219	.00019
%RSD	33.201	11.516	.45068	75.775	236.48	1541.0	44.502	10.046	2.0571	39.535
#1	.00013	.00350	.00557	-.05361	.00053	.00045	.00016	-.00003	.10503	.00034
#2	.00008	.00298	.00553	-.01620	-.00212	-.00054	.00008	-.00004	.10813	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00231**	**.00023**	W **.08913**	**-.00232**	**-.00133**	**.01272**	**.02723**	**-.00002**	**-.00002**	**-.00015**
Stddev	.00004	.00036	.00304	.00202	.00189	.00245	.00524	.00001	.00010	.00034
%RSD	1.5242	157.57	3.4101	86.830	141.55	19.230	19.230	58.998	555.11	221.27
#1	-.00229	-.00003	.09128	-.00090	.00000	.01445	.03093	-.00003	-.00009	-.00039
#2	-.00234	.00048	.08698	-.00375	-.00267	.01099	.02353	-.00001	.00005	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00025**	**.01801**	**-.00014**	**.00404**	**.00357**
Stddev	.00022	.00020	.01799	.00026	.00034	.00085
%RSD	280.05	80.095	99.884	192.81	8.3127	23.839
#1	-.00024	.00011	.03073	.00005	.00428	.00417
#2	.00008	.00040	.00529	-.00032	.00380	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8757.1**	**118620.**	**6764.3**
Stddev	8.0	485.	17.6
%RSD	.09100	.40921	.25973
#1	8762.7	118270.	6751.9
#2	8751.5	118960.	6776.8

Sample Name: lcs 280-200000/2-a Acquired: 11/12/2013 4:46:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05101**	**1.9969**	**1.0090**	**1.0268**	**2.0626**	**.04855**	**2.3241**	**48.336**	**.10779**	**.49543**
Stddev	.00096	.0130	.0032	.0043	.0077	.00008	.0076	.200	.00037	.00196
%RSD	1.8879	.64832	.31466	.41928	.37540	.15918	.32774	.41347	.34012	.39526
#1	.05033	2.0060	1.0113	1.0299	2.0571	.04860	2.3295	48.195	.10804	.49682
#2	.05169	1.9877	1.0068	1.0238	2.0680	.04849	2.3187	48.478	.10753	.49405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.26167**	**.97054**	**52.875**	**1.0223**	**50.050**	**.49445**	**1.0270**	**55.131**	**.49998**
Stddev	.00104	.00108	.00563	.273	.0054	.151	.00157	.0056	.086	.00295
%RSD	.50608	.41135	.57964	.51608	.52986	.30131	.31827	.54993	.15570	.58976
#1	.20586	.26244	.97452	52.682	1.0185	49.943	.49333	1.0310	55.070	.50206
#2	.20439	.26091	.96656	53.068	1.0262	50.156	.49556	1.0230	55.192	.49789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.354**	**.49568**	**.09272**	**.50074**	**2.0449**	**9.6355**	**20.620**	**2.0322**	**1.0191**	**1.0069**
Stddev	.063	.00150	.00041	.00524	.0114	.0534	.114	.0095	.0040	.0078
%RSD	.61067	.30218	.43701	1.0457	.55771	.55408	.55408	.46889	.39635	.77362
#1	10.399	.49674	.09301	.50444	2.0530	9.6732	20.701	2.0389	1.0163	1.0014
#2	10.310	.49462	.09243	.49704	2.0368	9.5977	20.539	2.0255	1.0220	1.0124
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99527**	**1.9800**	**2.1693**	**.50656**	**.49533**	**.50913**
Stddev	.00216	.0073	.0021	.00180	.00275	.00012
%RSD	.21691	.37142	.09564	.35610	.55536	.02386
#1	.99374	1.9852	2.1708	.50528	.49338	.50904
#2	.99679	1.9748	2.1679	.50783	.49727	.50922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8391.1**	**112270.**	**6821.2**
Stddev	35.3	163.	27.5
%RSD	.42103	.14560	.40256
#1	8366.1	112380.	6840.6
#2	8416.1	112150.	6801.7

Sample Name: 280-48967-a-7-a Acquired: 11/12/2013 4:48:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00582**	**.00020**	**.78759**	**.02110**	**.00001**	**.00027**	**3.1169**	**.00008**	**-.00001**
Stddev	.00001	.00007	.00321	.00163	.00037	.00008	.00083	.0035	.00009	.00011
%RSD	1.5321	1.1820	1606.1	.20721	1.7421	658.56	303.56	.11160	111.63	725.15
#1	.00069	.00577	-.00207	.78874	.02136	.00007	-.00031	3.1194	.00015	.00006
#2	.00068	.00587	.00247	.78643	.02084	-.00004	.00086	3.1145	.00002	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00167**	**.56398**	**3.1999**	**.01896**	**.99758**	**.01259**	**.00273**	**446.82**	**.00058**
Stddev	.00004	.00031	.00109	.0119	.00267	.00302	.00001	.00006	1.22	.00011
%RSD	39.317	18.488	.19289	.37186	14.099	.30225	.09309	2.1043	.27209	18.312
#1	.00014	.00189	.56475	3.1915	.01707	.99971	.01260	.00269	447.68	.00051
#2	.00008	.00146	.56321	3.2083	.02085	.99545	.01258	.00277	445.96	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05941**	**.00185**	**.13172**	**-.00085**	**-.00066**	**4.5310**	**9.6964**	**.00011**	**.32184**	**-.00094**
Stddev	.00105	.00062	.00263	.00031	.00180	.0156	.0333	.00046	.00090	.00152
%RSD	1.7697	33.329	1.9953	36.645	273.73	.34331	.34331	430.14	.27887	161.36
#1	.05867	.00141	.12986	-.00063	-.00194	4.5420	9.7200	-.00022	.32247	-.00202
#2	.06015	.00229	.13358	-.00107	.00062	4.5200	9.6729	.00043	.32120	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00061**	**.00854**	**.00024**	**.00487**	**.00237**
Stddev	.00006	.00082	.06558	.00002	.00012	.00057
%RSD	264.86	133.72	768.22	8.5726	2.4877	24.160
#1	.00007	.00003	.05491	.00022	.00496	.00278
#2	-.00002	.00119	-.03783	.00025	.00478	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8070.7**	**107600.**	**6691.2**
Stddev	117.4	520.	44.6
%RSD	1.4550	.48330	.66708
#1	8153.8	107230.	6659.7
#2	7987.7	107960.	6722.8

Sample Name: 280-48967-a-7-aSD@5 Acquired: 11/12/2013 4:50:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.01749**	**.00101**	**.18048**	**.00469**	**-.00003**	**.00068**	**.71089**	**-.00025**	**.00027**
Stddev	.00018	.00022	.00133	.00025	.00003	.00006	.00369	.00248	.00007	.00010
%RSD	26.428	1.2612	131.65	.13632	.56285	248.11	540.20	.34872	28.918	35.697
#1	.00081	.01764	.00195	.18031	.00471	-.00007	-.00193	.71264	-.00030	.00034
#2	.00056	.01733	.00007	.18065	.00467	.00002	.00329	.70914	-.00020	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00068**	**.14044**	**.74539**	**.00288**	**.23034**	**.00302**	**.00049**	**102.24**	**.00042**
Stddev	.00002	.00012	.00226	.00093	.00008	.00344	.00003	.00002	.32	.00009
%RSD	420.94	17.288	1.6079	.12445	2.8687	1.4926	.98365	3.2107	.31507	21.300
#1	-.00001	.00060	.14204	.74604	.00282	.22791	.00300	.00050	102.47	.00035
#2	.00002	.00076	.13884	.74473	.00294	.23277	.00305	.00048	102.02	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.00031**	**.09851**	**-.00070**	**.00073**	**1.0303**	**2.2048**	**.00222**	**.07440**	**.00027**
Stddev	.00180	.00079	.00012	.00377	.00137	.0324	.0693	.00075	.00040	.00219
%RSD	15.808	250.08	.12078	537.25	189.22	3.1455	3.1455	33.920	.54000	815.31
#1	.01269	.00087	.09860	-.00337	.00170	1.0532	2.2538	.00275	.07468	.00181
#2	.01014	-.00024	.09843	.00196	-.00025	1.0074	2.1558	.00168	.07411	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00047**	**-.00679**	**.00002**	**.00615**	**.00234**
Stddev	.00016	.00001	.03818	.00029	.00026	.00237
%RSD	36.138	3.0689	562.15	1391.7	4.1667	101.15
#1	-.00055	.00046	-.03379	-.00019	.00597	.00067
#2	-.00033	.00048	.02020	.00023	.00633	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8178.6**	**109760.**	**6511.8**
Stddev	24.8	382.	37.1
%RSD	.30329	.34765	.56928
#1	8161.0	110030.	6485.6
#2	8196.1	109490.	6538.1

Sample Name: 280-48967-a-7-b ms Acquired: 11/12/2013 4:53:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04755**	**1.7717**	**.92598**	**1.6424**	**1.8557**	**.04299**	F **2.0191**	**46.012**	**.09683**	**.43883**
Stddev	.00100	.0074	.00688	.0025	.0006	.00010	.0015	.030	.00004	.00128
%RSD	2.0988	.41839	.74312	.15071	.03028	.22370	.07313	.06610	.04389	.29153
#1	.04826	1.7769	.93084	1.6442	1.8553	.04292	2.0180	45.991	.09686	.43973
#2	.04684	1.7664	.92111	1.6407	1.8561	.04306	2.0201	46.034	.09680	.43792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18262**	**.23355**	**1.3427**	**51.847**	**.93702**	**45.192**	**.45818**	**.92106**	**480.15**	**.44436**
Stddev	.00070	.00101	.0027	.173	.00074	.342	.00342	.00187	.45	.00096
%RSD	.38448	.43067	.20422	.33456	.07949	.75628	.74645	.20285	.09387	.21518
#1	.18312	.23427	1.3446	51.725	.93754	45.434	.46059	.92238	479.83	.44504
#2	.18213	.23284	1.3407	51.970	.93649	44.950	.45576	.91974	480.46	.44368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.5737**	**.43316**	**.11258**	**.44152**	**1.8408**	**12.950**	**27.714**	**1.7957**	**1.2189**	**.91610**
Stddev	.0072	.00075	.00109	.00108	.0027	.026	.056	.0031	.0015	.00654
%RSD	.07544	.17224	.96472	.24409	.14740	.20093	.20093	.17199	.12756	.71423
#1	9.5789	.43368	.11335	.44076	1.8427	12.969	27.753	1.7979	1.2200	.92073
#2	9.5686	.43263	.11181	.44228	1.8389	12.932	27.674	1.7935	1.2178	.91147
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90328**	**1.6424**	**1.8825**	**.46071**	**.46481**	**.45130**
Stddev	.00490	.0032	.0192	.00394	.00277	.00048
%RSD	.54281	.19282	1.0209	.85415	.59592	.10529
#1	.90675	1.6446	1.8689	.46349	.46677	.45164
#2	.89982	1.6401	1.8961	.45792	.46285	.45096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.7**	**103580.**	**6500.7**
Stddev	8.6	109.	38.0
%RSD	.10798	.10540	.58490
#1	7925.6	103500.	6527.6
#2	7937.7	103660.	6473.8

Sample Name: 280-48967-a-7-c msd Acquired: 11/12/2013 4:55:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**1.9301**	**1.0137**	**1.7739**	**2.0410**	**.04751**	F **2.2083**	**50.513**	**.10622**	**.48042**
Stddev	.00025	.0035	.0017	.0009	.0093	.00038	.0025	.136	.00026	.00006
%RSD	.49266	.18229	.16492	.05051	.45413	.79876	.11163	.26913	.24842	.01342
#1	.05176	1.9326	1.0149	1.7745	2.0476	.04778	2.2101	50.609	.10603	.48046
#2	.05140	1.9276	1.0126	1.7732	2.0345	.04724	2.2066	50.416	.10641	.48037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20058**	**.25631**	**1.7821**	**56.999**	**1.0328**	**49.157**	**.50391**	**1.0124**	W **517.67**	**.48715**
Stddev	.00009	.00012	.0023	.236	.0071	.164	.00042	.0013	2.52	.00047
%RSD	.04383	.04627	.12989	.41480	.68854	.33461	.08379	.12504	.48700	.09696
#1	.20064	.25623	1.7838	57.166	1.0378	49.274	.50420	1.0133	519.46	.48749
#2	.20052	.25640	1.7805	56.831	1.0278	49.041	.50361	1.0115	515.89	.48682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.496**	**.47354**	**.13043**	**.48564**	**2.0182**	**14.236**	**30.465**	**1.9682**	**1.3360**	**.99744**
Stddev	.005	.00036	.00115	.00029	.0043	.169	.361	.0005	.0044	.00020
%RSD	.05193	.07527	.88284	.05902	.21440	1.1840	1.1840	.02338	.33050	.02047
#1	10.500	.47380	.13124	.48584	2.0212	14.355	30.720	1.9679	1.3391	.99759
#2	10.493	.47329	.12962	.48543	2.0151	14.117	30.210	1.9685	1.3329	.99730
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99279**	**1.7936**	**2.1388**	**.50561**	**.50573**	**.50045**
Stddev	.00119	.0033	.0138	.00108	.00217	.00817
%RSD	.12019	.18447	.64271	.21275	.42934	1.6334
#1	.99363	1.7959	2.1485	.50637	.50726	.50623
#2	.99194	1.7913	2.1291	.50485	.50419	.49467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7946.9**	**104630.**	**6634.8**
Stddev	1.5	480.	2.3
%RSD	.01872	.45847	.03424
#1	7945.8	104290.	6633.2
#2	7947.9	104970.	6636.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:57:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00766**	**49.931**	**.00063**	**.00529**	**.00021**	**-.00012**	W **1.0771**	**.03417**	**-.00006**	**.00003**	**.00003**	**.01126**
Stddev	.00004	.037	.00030	.00002	.00026	.00001	.0033	.00455	.00008	.00029	.00014	.00041
%RSD	.52295	.07424	47.006	.28378	125.40	4.0626	.30856	13.312	134.16	1069.4	432.93	3.6040
#1	.00768	49.905	.00042	.00530	.00039	-.00012	1.0748	.03739	.00000	.00023	-.00007	.01097
#2	.00763	49.957	.00085	.00528	.00002	-.00013	1.0795	.03096	-.00012	-.00018	.00013	.01155
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.070**	**.11305**	**-.00147**	**.08771**	**.00080**	**.00039**	**268.66**	**-.00023**	**.00016**	**.00096**	**5.2203**	**-.00181**
Stddev	.410	.01722	.00124	.00010	.00003	.00019	1.16	.00008	.00229	.00032	.0159	.00103
%RSD	.85303	15.235	84.058	.11391	3.5314	48.065	.43213	37.270	1438.6	33.509	.30440	56.834
#1	47.780	.12523	-.00060	.08778	.00078	.00052	267.84	-.00017	.00177	.00119	5.2091	-.00108
#2	48.360	.10087	-.00235	.08764	.00082	.00025	269.48	-.00029	-.00146	.00073	5.2316	-.00254
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	**.00812**	**.01737**	**.00064**	**.00063**	**5.0207**	**-.01279**	**.00196**	F **5.3980**	**.00162**	**.00139**	**.05350**
Stddev	.00304	.01355	.02900	.00055	.00015	.0285	.00015	.00086	.0235	.00050	.00036	.00131
%RSD	64.807	166.92	166.92	85.598	23.303	.56831	1.1500	43.884	.43461	30.987	25.842	2.4522
#1	-.00685	.01770	.03788	.00102	.00074	5.0005	-.01269	.00135	5.3814	.00197	.00165	.05257
#2	-.00254	-.00146	-.00313	.00025	.00053	5.0409	-.01289	.00256	5.4146	.00126	.00114	.05443
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8318.4**	**110000.**	**6651.5**
Stddev	17.9	212.	72.6
%RSD	.21518	.19305	1.0910
#1	8305.8	110150.	6702.8
#2	8331.1	109850.	6600.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:00:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50015**	**.53085**	**1.0019**	**.51095**	**.50475**	**.47819**	**-.00436**	**4.8663**	**.50505**	**.50456**	**.50673**	**.50589**	**2.3448**
Stddev	.00094	.00189	.0027	.00134	.00138	.00036	.00085	.0022	.00120	.00170	.00098	.00119	.0019
%RSD	.18770	.35599	.26446	.26146	.27373	.07491	19.488	.04414	.23799	.33658	.19345	.23582	.08202
#1	.50082	.53219	1.0000	.51000	.50378	.47794	-.00496	4.8647	.50590	.50576	.50742	.50505	2.3434
#2	.49949	.52951	1.0038	.51189	.50573	.47845	-.00376	4.8678	.50420	.50336	.50604	.50674	2.3461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.520**	**1.0006**	**19.745**	**.49307**	**.51168**	**5.4009**	**.51142**	**1.0068**	**1.0269**	**.08665**	**1.0206**	**1.0005**	**4.6884**
Stddev	.155	.0013	.033	.00041	.00011	.0154	.00143	.0030	.0029	.00214	.0011	.0011	.0207
%RSD	.30129	.13068	.16459	.08380	.02125	.28499	.28002	.29676	.28106	2.4690	.11131	.10790	.44174
#1	51.410	.99964	19.768	.49337	.51160	5.3900	.51041	1.0089	1.0289	.08816	1.0214	.99970	4.6738
#2	51.629	1.0015	19.722	.49278	.51176	5.4118	.51243	1.0047	1.0249	.08514	1.0198	1.0012	4.7030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.033**	**1.0187**	**.49945**	**-.00380**	**.49030**	**1.0310**	**.01140**	**.49496**	**.49799**	**.48895**
Stddev	.044	.0024	.00072	.00071	.00047	.0021	.00816	.00183	.00212	.00141
%RSD	.44174	.23652	.14377	18.693	.09684	.20728	71.623	.37038	.42472	.28748
#1	10.002	1.0204	.49894	-.00431	.49063	1.0325	.00562	.49626	.49949	.48994
#2	10.065	1.0170	.49995	-.00330	.48996	1.0295	.01717	.49366	.49649	.48795
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8421.5**	**113530.**	**6845.6**
Stddev	9.9	291.	53.2
%RSD	.11708	.25621	.77700
#1	8414.6	113320.	6883.2
#2	8428.5	113730.	6808.0

Sample Name: CCB Acquired: 11/12/2013 5:02:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00306**	**.00142**	**.00322**	**.00023**	**.00015**	**-.00022**	**.00749**	**.00012**	**.00005**	**.00010**	**.00014**
Stddev	.00037	.00020	.00008	.00015	.00027	.00003	.00273	.00498	.00001	.00028	.00004	.00024
%RSD	59.119	6.4469	5.4592	4.6128	115.53	21.513	1219.3	66.440	10.419	552.32	37.041	165.61
#1	.00037	-.00292	.00137	.00333	.00004	.00013	-.00215	.00397	.00011	.00025	.00013	-.00002
#2	.00090	-.00320	.00147	.00312	.00043	.00017	.00170	.01101	.00013	-.00015	.00008	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.10233**	**-.00097**	**.00549**	**.00005**	**.00028**	W **.14877**	**.00039**	**-.00429**	**.00020**	**.08244**	W **.00390**
Stddev	.00091	.01805	.00167	.00093	.00000	.00015	.01366	.00009	.00076	.00111	.00103	.00158
%RSD	104.44	17.643	172.32	16.930	3.8698	54.752	9.1826	23.930	17.663	560.07	1.2482	40.539
#1	.00023	.11509	-.00215	.00614	.00005	.00017	.15843	.00033	-.00376	.00098	.08171	.00501
#2	.00151	.08956	.00021	.00483	.00005	.00039	.13911	.00046	-.00483	-.00059	.08317	.00278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00187**	**.02093**	**.04479**	**.00055**	**.00014**	**.00050**	**.00001**	**.00061**	**.02335**	**.00020**	**.00252**	W **.00255**
Stddev	.00426	.00784	.01677	.00033	.00016	.00205	.00039	.00047	.01635	.00005	.00000	.00052
%RSD	228.44	37.445	37.445	60.324	114.64	413.82	6468.5	77.054	70.037	23.071	.08978	20.428
#1	-.00488	.01539	.03293	.00078	.00025	-.00096	-.00027	.00028	.03491	.00016	.00252	.00218
#2	.00115	.02647	.05665	.00031	.00003	.00195	.00028	.00095	.01178	.00023	.00251	.00292
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8486.1**	**115170.**	**6589.7**
Stddev	2.9	118.	37.0
%RSD	.03473	.10237	.56180
#1	8488.2	115080.	6563.5
#2	8484.0	115250.	6615.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 5:04:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**.10773**	**.01663**	**.10187**	**.01000**	**.00097**	**.12317**	**.20806**	**.00521**	**.01066**	**.01029**	**.01564**	**.09802**
Stddev	.00022	.00038	.00163	.00066	.00030	.00005	.00329	.00111	.00022	.00006	.00003	.00027	.00078
%RSD	2.0574	.35377	9.7938	.64724	3.0292	5.0350	2.6712	.53461	4.2848	.52505	.25579	1.7422	.79673
#1	.01099	.10800	.01548	.10234	.01021	.00100	.12084	.20727	.00537	.01069	.01031	.01583	.09746
#2	.01067	.10746	.01779	.10140	.00979	.00094	.12550	.20885	.00506	.01062	.01028	.01545	.09857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1398**	**.00848**	**.21357**	**.01025**	**.02004**	**1.1846**	**.04270**	**2.9595**	**.00968**	**.06036**	**.00706**	**.01292**	**.48401**
Stddev	.0071	.00085	.00109	.00001	.00010	.0117	.00032	.0229	.00154	.00064	.00192	.00123	.01521
%RSD	.22642	10.075	.51163	.13902	.48450	.98892	.75697	.77276	15.895	1.0661	27.141	9.4797	3.1432
#1	3.1449	.00909	.21434	.01024	.02011	1.1763	.04293	2.9757	.01077	.06082	.00842	.01206	.49476
#2	3.1348	.00788	.21279	.01026	.01997	1.1928	.04247	2.9434	.00859	.05991	.00571	.01379	.47325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0358**	**.10436**	**.01011**	**.01501**	**.00919**	**.01746**	F **.08251**	**.01016**	**.02352**	**.01667**
Stddev	.0326	.00032	.00003	.00116	.00003	.00056	.02756	.00012	.00008	.00029
%RSD	3.1432	.30534	.25436	7.7154	.30933	3.1990	33.404	1.2165	.32152	1.7342
#1	1.0588	.10413	.01013	.01583	.00917	.01785	.06302	.01008	.02346	.01688
#2	1.0128	.10458	.01009	.01419	.00921	.01706	.10200	.01025	.02357	.01647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8593.9**	**116050.**	**6588.2**
Stddev	8.9	437.	.6
%RSD	.10405	.37614	.00959
#1	8587.6	116360.	6588.7
#2	8600.2	115740.	6587.8

Sample Name: 280-48967-a-8-a Acquired: 11/12/2013 5:06:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00103**	**.00028**	**.81718**	**.03249**	**-.00002**	**-.00018**	**4.2189**	**-.00012**	**.00019**
Stddev	.00006	.00015	.00125	.00168	.00070	.00003	.00147	.0468	.00017	.00019
%RSD	22.778	14.606	448.17	.20551	2.1670	128.99	826.96	1.1085	138.87	99.527
#1	.00030	-.00114	-.00060	.81837	.03200	-.00004	.00086	4.1858	-.00025	.00032
#2	.00022	-.00093	.00116	.81600	.03299	.00000	-.00122	4.2520	.00000	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00122**	**.20127**	**3.8038**	**.02112**	**1.3975**	**.00732**	**.00145**	W **529.70**	**.00028**
Stddev	.00020	.00016	.00116	.1146	.00084	.0093	.00001	.00005	1.59	.00012
%RSD	465.98	12.690	.57630	3.0123	3.9950	.66472	.08146	3.1728	.30031	44.478
#1	.00019	.00111	.20209	3.7227	.02052	1.4041	.00733	.00148	528.57	.00019
#2	-.00010	.00133	.20045	3.8848	.02172	1.3910	.00732	.00141	530.82	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05327**	**-.00004**	**.10520**	**-.00085**	**.00000**	**5.2975**	**11.337**	**.00069**	**.45989**	**-.00148**
Stddev	.00193	.00007	.00074	.00034	.00104	.0464	.099	.00022	.00215	.00088
%RSD	3.6245	173.77	.70692	39.477	71116.	.87617	.87617	32.237	.46689	59.349
#1	.05190	-.00009	.10467	-.00109	.00074	5.2646	11.266	.00085	.45837	-.00210
#2	.05463	.00001	.10572	-.00061	-.00073	5.3303	11.407	.00054	.46140	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00057**	**.04466**	**.00019**	**.00310**	**.00254**
Stddev	.00041	.00065	.05372	.00018	.00031	.00191
%RSD	130.85	112.51	120.29	94.623	9.9768	75.375
#1	-.00061	.00103	.08265	.00006	.00288	.00389
#2	-.00002	.00012	.00667	.00032	.00332	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7944.2**	**104020.**	**6529.3**
Stddev	2.1	71.	33.7
%RSD	.02640	.06784	.51626
#1	7945.6	104070.	6553.1
#2	7942.7	103970.	6505.4

Sample Name: 280-48967-a-9-a Acquired: 11/12/2013 5:09:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.02667**	**.00144**	**.62252**	**.77647**	**-.00004**	**-.00244**	**42.752**	**-.00010**	**.00033**
Stddev	.00075	.00040	.00198	.00138	.00253	.00000	.00100	.025	.00020	.00001
%RSD	93.981	1.4930	137.01	.22095	.32531	2.6381	41.207	.05823	187.48	3.7978
#1	.00027	.02639	.00284	.62155	.77468	-.00004	-.00315	42.770	.00003	.00032
#2	.00132	.02695	.00005	.62349	.77826	-.00004	-.00173	42.735	-.00024	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00389**	**.33438**	**9.4584**	**.36268**	**.00455**	**.00543**	**.00619**	**398.69**	**.01709**
Stddev	.00004	.00018	.00225	.0597	.00034	.00131	.00010	.00035	.21	.00010
%RSD	12.977	4.5347	.67337	.63175	.09345	28.844	1.8352	5.7029	.05373	.57402
#1	.00033	.00402	.33279	9.5006	.36292	.00362	.00536	.00644	398.54	.01702
#2	.00027	.00377	.33598	9.4161	.36245	.00548	.00550	.00594	398.84	.01716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01856**	**-.00080**	**.55155**	**.00148**	**-.00039**	**1.7304**	**3.7030**	**-.00057**	W **16.685**	**-.00398**
Stddev	.00060	.00011	.00084	.00162	.00247	.0134	.0288	.00016	.017	.00157
%RSD	3.2335	14.192	.15176	109.34	631.83	.77690	.77690	28.589	.10246	39.517
#1	.01898	-.00088	.55096	.00262	.00136	1.7209	3.6826	-.00045	16.673	-.00509
#2	.01813	-.00072	.55214	.00034	-.00214	1.7399	3.7233	-.00068	16.697	-.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00062**	**.01408**	**.00022**	**.00363**	**.00360**
Stddev	.00034	.00051	.03425	.00007	.00077	.00089
%RSD	126.97	81.445	243.27	32.493	21.291	24.704
#1	-.00003	.00026	.03829	.00017	.00308	.00297
#2	-.00050	.00098	-.01014	.00027	.00417	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7981.5**	**105000.**	**6577.3**
Stddev	7.9	443.	38.0
%RSD	.09876	.42145	.57742
#1	7987.1	105320.	6604.2
#2	7976.0	104690.	6550.5

Sample Name: 280-48967-a-10-a Acquired: 11/12/2013 5:11:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01958**	**-.00205**	**.77941**	**.02440**	**.00003**	**.00146**	**2.9748**	**.00013**	**-.00005**
Stddev	.00017	.00025	.00124	.00046	.00015	.00007	.00039	.0030	.00003	.00007
%RSD	86.154	1.2685	60.285	.05872	.59545	256.82	26.738	.10160	21.455	146.08
#1	-.00031	.01976	-.00118	.77974	.02450	-.00002	.00119	2.9769	.00015	.00000
#2	-.00008	.01941	-.00293	.77909	.02429	.00007	.00174	2.9726	.00011	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00237**	**.58688**	**3.5088**	**.01917**	**1.0485**	**.00867**	**.00183**	**483.48**	**.00066**
Stddev	.00000	.00034	.00406	.0096	.00261	.0046	.00006	.00021	2.50	.00008
%RSD	6.1610	14.460	.69190	.27422	13.601	.43813	.74082	11.431	.51673	12.036
#1	.00006	.00262	.58401	3.5020	.02102	1.0452	.00862	.00168	481.72	.00061
#2	.00007	.00213	.58975	3.5156	.01733	1.0517	.00871	.00198	485.25	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06796**	**-.00014**	**.11244**	**-.00266**	**-.00111**	**5.5587**	**11.896**	**-.00018**	**.35967**	**-.00424**
Stddev	.00184	.00023	.00203	.00389	.00296	.0064	.014	.00061	.00045	.00046
%RSD	2.7004	163.82	1.8068	146.15	265.95	.11528	.11528	339.76	.12414	10.787
#1	.06666	.00002	.11101	.00009	-.00320	5.5542	11.886	.00025	.35936	-.00392
#2	.06926	-.00030	.11388	-.00542	.00098	5.5633	11.905	-.00061	.35999	-.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00104**	**.02474**	**.00033**	**.00599**	**.00239**
Stddev	.00009	.00057	.01366	.00025	.00015	.00039
%RSD	30.340	55.194	55.209	76.602	2.5261	16.148
#1	-.00038	.00144	.01508	.00015	.00588	.00212
#2	-.00024	.00063	.03440	.00051	.00610	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.9**	**105180.**	**6528.4**
Stddev	32.6	442.	28.9
%RSD	.40862	.42021	.44236
#1	7950.9	105490.	6508.0
#2	7997.0	104860.	6548.9

Sample Name: 280-48967-a-11-a Acquired: 11/12/2013 5:14:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00554**	**.00435**	**.87733**	**.03384**	**.00003**	**.00046**	**3.7613**	**-.00001**	**.00009**
Stddev	.00008	.00014	.00162	.00113	.00016	.00003	.00066	.0146	.00025	.00002
%RSD	28.485	2.5618	37.266	.12888	.48583	123.74	143.66	.38919	2465.6	20.536
#1	-.00022	.00544	.00550	.87813	.03372	.00000	.00093	3.7510	.00016	.00010
#2	-.00033	.00564	.00321	.87653	.03395	.00005	-.00001	3.7717	-.00018	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00154**	**.17958**	**4.2495**	**.02219**	**1.4291**	**.00714**	**.00157**	W **556.58**	**.00042**
Stddev	.00007	.00026	.00284	.0593	.00005	.0059	.00003	.00005	1.16	.00010
%RSD	162.30	17.007	1.5815	1.3954	.20674	.41033	.37681	3.0873	.20792	24.146
#1	.00009	.00173	.18158	4.2076	.02222	1.4332	.00713	.00160	555.76	.00035
#2	-.00001	.00136	.17757	4.2914	.02215	1.4249	.00716	.00154	557.40	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04487**	**-.00076**	**.19055**	**-.00062**	**-.00003**	**5.3160**	**11.376**	**-.00045**	**.48866**	**-.00139**
Stddev	.00103	.00018	.00025	.00061	.00067	.0134	.029	.00011	.00115	.00120
%RSD	2.2867	24.180	.13023	98.271	2168.4	.25277	.25277	24.746	.23505	86.269
#1	.04415	-.00063	.19072	-.00104	.00044	5.3065	11.356	-.00037	.48785	-.00054
#2	.04560	-.00089	.19037	-.00019	-.00050	5.3255	11.397	-.00052	.48947	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00144**	**-.03597**	**.00013**	**.00365**	**.00277**
Stddev	.00009	.00074	.02227	.00028	.00070	.00013
%RSD	17.574	51.579	61.917	209.29	19.311	4.7108
#1	-.00057	.00197	-.02022	.00033	.00415	.00267
#2	-.00044	.00092	-.05171	-.00006	.00315	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7901.5**	**104590.**	**6598.0**
Stddev	50.7	407.	31.2
%RSD	.64203	.38911	.47248
#1	7865.6	104300.	6620.0
#2	7937.3	104870.	6575.9

Sample Name: 280-48967-a-12-a Acquired: 11/12/2013 5:16:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00175**	**.00163**	**.84523**	**.02229**	**-.00006**	**.00045**	**3.3415**	**.00002**	**.00004**
Stddev	.00038	.00021	.00088	.00468	.00023	.00004	.00161	.0309	.00003	.00005
%RSD	84.370	12.132	54.342	.55408	1.0520	76.742	360.09	.92480	149.37	133.41
#1	.00018	.00160	.00225	.84854	.02212	-.00003	-.00069	3.3196	.00004	.00000
#2	.00071	.00190	.00100	.84192	.02245	-.00009	.00158	3.3633	.00000	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00156**	**.56806**	**3.6916**	**.01839**	**1.0848**	**.01301**	**.00221**	**490.39**	**.00042**
Stddev	.00003	.00020	.00656	.0510	.00170	.0019	.00008	.00014	.25	.00021
%RSD	121.57	12.879	1.1547	1.3816	9.2153	.17375	.58531	6.3789	.04999	48.935
#1	.00000	.00170	.56342	3.6555	.01720	1.0835	.01296	.00211	490.22	.00057
#2	.00005	.00142	.57270	3.7276	.01959	1.0861	.01306	.00231	490.56	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06441**	**.00212**	**.10849**	**-.00106**	**-.00375**	**4.8811**	**10.446**	**-.00008**	**.35313**	**-.00247**
Stddev	.00020	.00055	.00174	.00106	.00023	.0144	.031	.00011	.00062	.00154
%RSD	.30591	25.801	1.5995	100.76	6.2435	.29530	.29530	132.52	.17499	62.304
#1	.06455	.00173	.10972	-.00030	-.00392	4.8709	10.424	-.00016	.35269	-.00356
#2	.06427	.00251	.10727	-.00181	-.00359	4.8913	10.467	-.00001	.35356	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00024**	**.03129**	**.00051**	**.00363**	**.00258**
Stddev	.00029	.00074	.03379	.00029	.00030	.00414
%RSD	65.991	313.83	108.01	57.727	8.1400	160.19
#1	-.00023	-.00029	.05518	.00071	.00384	-.00034
#2	-.00064	.00076	.00739	.00030	.00342	.00551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7896.4**	**104460.**	**6570.8**
Stddev	27.2	169.	21.6
%RSD	.34474	.16142	.32892
#1	7877.2	104340.	6586.1
#2	7915.7	104580.	6555.6

Sample Name: 280-48967-a-13-a Acquired: 11/12/2013 5:18:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00335**	**.00129**	**.00373**	**-.00011**	**-.00005**	**.00028**	**.01536**	**.00005**	**.00009**
Stddev	.00038	.00001	.00133	.00071	.00014	.00006	.00033	.00164	.00004	.00010
%RSD	89.580	.44707	103.20	19.044	125.80	114.77	120.10	10.657	70.925	112.22
#1	.00015	-.00336	.00035	.00423	-.00022	-.00001	.00052	.01652	.00008	.00015
#2	.00068	-.00334	.00222	.00322	-.00001	-.00009	.00004	.01420	.00003	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00027**	**.00328**	**.11537**	**-.00214**	**.00179**	**.00015**	**.00003**	**.58483**	**.00065**
Stddev	.00018	.00035	.00140	.00282	.00153	.00033	.00002	.00020	.02980	.00015
%RSD	537650.	130.58	42.597	2.4470	71.455	18.608	10.486	578.80	5.0954	22.955
#1	-.00013	.00052	.00229	.11737	-.00106	.00156	.00014	-.00011	.60590	.00076
#2	.00013	.00002	.00426	.11338	-.00322	.00203	.00016	.00017	.56376	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**-.00077**	**.06423**	**-.00182**	**-.00016**	**.01259**	**.02695**	**.00067**	**.00040**	**-.00119**
Stddev	.00064	.00010	.00304	.00014	.00035	.00116	.00248	.00024	.00005	.00131
%RSD	32.398	13.178	4.7264	7.9113	213.71	9.2030	9.2030	35.987	12.467	109.94
#1	-.00241	-.00084	.06638	-.00172	-.00041	.01341	.02871	.00085	.00043	-.00026
#2	-.00151	-.00070	.06208	-.00193	.00008	.01178	.02520	.00050	.00036	-.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00062**	**.04297**	**.00013**	**.00336**	**.00198**
Stddev	.00019	.00142	.03389	.00011	.00030	.00014
%RSD	56.956	228.69	78.863	83.863	9.0286	6.9360
#1	-.00020	.00163	.01901	.00020	.00358	.00208
#2	-.00047	-.00038	.06693	.00005	.00315	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8390.7**	**115370.**	**6623.9**
Stddev	.1	2271.	45.3
%RSD	.00067	1.9684	.68318
#1	8390.7	116980.	6655.9
#2	8390.6	113760.	6591.9

Sample Name: 280-48967-a-16-a Acquired: 11/12/2013 5:21:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**-.00063**	**.00344**	**.00250**	**-.00008**	**.00003**	**.00182**	**.03775**	**-.00009**	**.00015**
Stddev	.00040	.00014	.00009	.00079	.00011	.00002	.00237	.00004	.00006	.00007
%RSD	46.734	22.497	2.4794	31.490	141.99	58.838	130.42	.10617	62.579	44.907
#1	.00113	-.00073	.00350	.00306	-.00016	.00005	.00014	.03773	-.00005	.00011
#2	.00057	-.00053	.00338	.00195	.00000	.00002	.00350	.03778	-.00013	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00064**	**.02729**	**.07396**	**-.00155**	**.00092**	**.00126**	**-.00006**	**.29833**	**.00045**
Stddev	.00005	.00024	.00398	.02708	.00154	.00107	.00002	.00010	.00922	.00008
%RSD	76.514	38.380	14.581	36.614	99.904	115.81	1.2611	160.76	3.0892	18.453
#1	-.00010	.00081	.03010	.05481	-.00264	.00168	.00127	-.00014	.30485	.00039
#2	-.00003	.00046	.02448	.09311	-.00045	.00017	.00125	.00001	.29182	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00327**	**.00022**	**.06279**	**-.00114**	**-.00173**	**.02043**	**.04372**	**.00040**	**.00042**	**-.00002**
Stddev	.00164	.00007	.00440	.00072	.00058	.00295	.00632	.00020	.00008	.00070
%RSD	50.000	32.534	7.0059	62.995	33.292	14.453	14.453	49.856	20.466	3974.7
#1	-.00212	.00017	.05968	-.00063	-.00133	.02252	.04819	.00026	.00035	.00048
#2	-.00443	.00027	.06590	-.00165	-.00214	.01834	.03926	.00054	.00048	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00086**	**.04109**	**.00000**	**.00335**	**.00041**
Stddev	.00027	.00099	.01475	.00023	.00011	.00088
%RSD	36.543	114.27	35.904	16482.	3.2088	216.14
#1	-.00056	.00017	.03066	.00017	.00328	-.00021
#2	-.00094	.00156	.05152	-.00016	.00343	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8421.7**	**113670.**	**6363.9**
Stddev	24.8	29.	67.6
%RSD	.29439	.02539	1.0619
#1	8439.2	113650.	6411.7
#2	8404.1	113690.	6316.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 5:23:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00731**	**50.317**	**.00394**	**.00295**	**-.00008**	**-.00010**	W **1.0715**	**.01603**	**-.00024**	**-.00007**	**.00006**	**.01095**
Stddev	.00028	.256	.00094	.00088	.00021	.00003	.0017	.00323	.00000	.00002	.00017	.00013
%RSD	3.8537	.50819	23.778	29.929	252.96	30.673	.15485	20.139	.98994	27.047	258.86	1.1933
#1	.00751	50.498	.00328	.00358	-.00023	-.00008	1.0703	.01375	-.00024	-.00008	.00018	.01104
#2	.00711	50.136	.00460	.00233	.00007	-.00012	1.0726	.01831	-.00025	-.00005	-.00005	.01085
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.562**	**.06925**	**-.00174**	**.07936**	**.00074**	**-.00032**	**269.96**	**-.00002**	**-.00186**	**.00002**	**5.1552**	**-.00171**
Stddev	.698	.00193	.00010	.00071	.00006	.00000	1.28	.00017	.00194	.00120	.0030	.00193
%RSD	1.4381	2.7863	5.9716	.89333	8.3806	.82694	.47258	995.39	104.63	5602.0	.05822	113.09
#1	49.055	.07062	-.00167	.07886	.00070	-.00032	270.87	-.00014	-.00048	.00087	5.1574	-.00307
#2	48.068	.06789	-.00182	.07986	.00078	-.00032	269.06	.00011	-.00323	-.00083	5.1531	-.00034
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00372**	**.00490**	**.01049**	**-.00024**	**.00027**	**4.9969**	**-.01273**	**.00253**	F **5.3512**	**.00128**	**.00163**	**.05848**
Stddev	.00171	.00521	.01115	.00014	.00009	.0048	.00049	.00044	.0214	.00040	.00025	.00411
%RSD	45.920	106.31	106.31	57.495	33.319	.09659	3.8138	17.431	.39918	31.228	15.052	7.0198
#1	-.00493	.00858	.01837	-.00014	.00020	4.9934	-.01239	.00284	5.3663	.00100	.00180	.06138
#2	-.00251	.00122	.00260	-.00033	.00033	5.0003	-.01307	.00222	5.3361	.00156	.00146	.05558
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**106940.**	**6315.3**
Stddev	4.1	594.	26.4
%RSD	.05074	.55513	.41738
#1	8068.3	106520.	6296.6
#2	8074.1	107360.	6333.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:25:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50270**	**.53315**	**.99113**	**.50343**	**.50747**	**.48170**	**-.00388**	**4.9819**	**.50279**	**.50494**	**.50653**	**.50764**	**2.3900**
Stddev	.00051	.00096	.00159	.00108	.00010	.00107	.00022	.0145	.00054	.00097	.00064	.00144	.0019
%RSD	.10215	.18078	.16070	.21378	.01873	.22274	5.6482	.29037	.10665	.19188	.12619	.28372	.07729
#1	.50307	.53247	.99000	.50267	.50754	.48095	-.00372	4.9717	.50241	.50426	.50698	.50866	2.3913
#2	.50234	.53383	.99226	.50419	.50740	.48246	-.00403	4.9921	.50317	.50563	.50608	.50662	2.3887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.215**	**1.0136**	**19.895**	**.49583**	**.51133**	**5.4689**	**.51017**	**1.0024**	**1.0287**	**.05466**	**1.0128**	**.99557**	**4.7803**
Stddev	.124	.0020	.013	.00027	.00274	.0107	.00126	.0077	.0056	.00012	.0010	.00730	.0028
%RSD	.23813	.19669	.06468	.05545	.53621	.19529	.24789	.76767	.54758	.21662	.09960	.73280	.05938
#1	52.303	1.0122	19.886	.49564	.50939	5.4613	.51106	.99694	1.0247	.05474	1.0135	1.0007	4.7783
#2	52.127	1.0150	19.904	.49603	.51327	5.4764	.50927	1.0078	1.0327	.05458	1.0120	.99041	4.7823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.230**	**1.0237**	**.50145**	**-.00408**	**.49335**	**1.0288**	**.02555**	**.49871**	**.49999**	**.49435**
Stddev	.006	.0010	.00039	.00301	.00052	.0003	.04561	.00034	.00049	.00375
%RSD	.05938	.09892	.07811	73.764	.10516	.02691	178.52	.06799	.09757	.75902
#1	10.226	1.0244	.50118	-.00620	.49371	1.0290	.05780	.49847	.49964	.49170
#2	10.234	1.0230	.50173	-.00195	.49298	1.0286	-.00670	.49895	.50033	.49701
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8216.1**	**111930.**	**6338.3**
Stddev	14.5	54.	2.0
%RSD	.17701	.04802	.03156
#1	8226.3	111970.	6336.9
#2	8205.8	111890.	6339.7

Sample Name: CCB Acquired: 11/12/2013 5:28:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00360**	**.00138**	**.00193**	**-.00013**	**.00011**	**.00178**	**.00526**	**.00017**	**.00013**	**-.00006**	**.00000**
Stddev	.00060	.00026	.00175	.00013	.00016	.00009	.00020	.00084	.00002	.00015	.00007	.00007
%RSD	8707.4	7.3268	127.44	6.5901	121.07	84.004	10.998	15.950	11.623	122.03	124.97	1930.9
#1	.00042	-.00341	.00014	.00202	-.00025	.00017	.00164	.00585	.00016	.00023	-.00001	.00005
#2	-.00043	-.00379	.00262	.00184	-.00002	.00004	.00192	.00466	.00018	.00002	-.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.05258**	**.00210**	**.00191**	**.00008**	**.00004**	W **.15586**	**.00041**	**-.00437**	**.00035**	**.05501**	W **.00316**
Stddev	.00047	.02313	.00128	.00050	.00010	.00014	.01550	.00001	.00020	.00024	.00127	.00188
%RSD	58.260	43.994	61.158	26.149	127.04	343.63	9.9424	3.2912	4.5602	68.735	2.3154	59.411
#1	-.00114	.03623	.00119	.00226	.00015	-.00006	.16682	.00040	-.00423	.00052	.05591	.00183
#2	-.00047	.06894	.00301	.00155	.00001	.00014	.14491	.00042	-.00451	.00018	.05411	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00607**	**.01299**	**.00022**	**.00015**	**.00077**	**-.00049**	**-.00119**	**.00721**	**.00054**	**.00260**	W **.00306**
Stddev	.00031	.00346	.00741	.00007	.00009	.00081	.00013	.00098	.01584	.00019	.00025	.00022
%RSD	66.801	57.001	57.001	30.866	62.783	105.75	27.136	82.876	219.61	35.635	9.7178	7.3361
#1	.00024	.00362	.00776	.00026	.00008	.00019	-.00039	-.00188	-.00399	.00040	.00242	.00290
#2	.00067	.00852	.01823	.00017	.00022	.00134	-.00058	-.00049	.01841	.00067	.00278	.00322
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8230.2**	**111050.**	**6245.8**
Stddev	19.3	199.	20.4
%RSD	.23461	.17940	.32708
#1	8216.5	110910.	6231.3
#2	8243.8	111190.	6260.2

Sample Name: CCVL2372865 Acquired: 11/12/2013 5:30:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01058**	**.10763**	**.01692**	**.10115**	**.00980**	**.00095**	**.12680**	**.20743**	**.00512**	**.01083**	**.01044**	**.01565**	**.09838**
Stddev	.00032	.00021	.00013	.00029	.00023	.00008	.00093	.00119	.00019	.00002	.00008	.00006	.00400
%RSD	3.0582	.19660	.79578	.29138	2.3368	8.4354	.73428	.57441	3.6514	.17378	.78213	.41010	4.0668
#1	.01035	.10778	.01682	.10136	.00996	.00090	.12614	.20659	.00499	.01082	.01049	.01569	.10121
#2	.01081	.10748	.01701	.10094	.00964	.00101	.12746	.20827	.00525	.01084	.01038	.01560	.09555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2209**	F **.00661**	**.20872**	**.01023**	**.02011**	**1.2038**	**.04274**	**2.9652**	**.00934**	**.04273**	**.00918**	**.01599**	**.47617**
Stddev	.0271	.00048	.00293	.00002	.00015	.0083	.00043	.0118	.00079	.00105	.00235	.00057	.00065
%RSD	.84172	7.2425	1.4029	.18519	.72143	.69037	1.0125	.39641	8.5001	2.4652	25.592	3.5503	.13586
#1	3.2401	.00628	.21079	.01024	.02022	1.1979	.04304	2.9736	.00877	.04347	.01084	.01559	.47572
#2	3.2017	.00695	.20665	.01021	.02001	1.2097	.04243	2.9569	.00990	.04198	.00752	.01639	.47663
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**.10536**	**.01017**	**.01335**	**.00933**	**.01695**	**.07469**	**.01013**	**.02360**	**.01628**
Stddev	.0014	.00037	.00002	.00038	.00028	.00074	.02862	.00016	.00006	.00053
%RSD	.13586	.34872	.19434	2.8279	2.9859	4.3845	38.311	1.5344	.25141	3.2606
#1	1.0180	.10562	.01019	.01361	.00913	.01748	.09493	.01002	.02364	.01591
#2	1.0200	.10510	.01016	.01308	.00953	.01643	.05446	.01024	.02356	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8440.0**	**114580.**	**6381.9**
Stddev	12.6	161.	41.6
%RSD	.14953	.14067	.65252
#1	8431.1	114690.	6352.5
#2	8449.0	114470.	6411.3

Sample Name: mb 280-200212/1-a Acquired: 11/12/2013 5:32:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.01179**	**.00219**	**.01178**	**.00014**	**-.00004**	**.00121**	**.04287**	**-.00005**	**-.00002**
Stddev	.00027	.00014	.00011	.00006	.00023	.00002	.00107	.00144	.00011	.00006
%RSD	450.39	1.2280	4.9867	.50646	164.44	49.630	88.677	3.3676	216.86	311.46
#1	.00025	.01190	.00211	.01174	-.00002	-.00006	.00045	.04389	-.00013	.00002
#2	-.00013	.01169	.00227	.01182	.00031	-.00003	.00196	.04185	.00003	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00084**	**.02109**	**.03142**	**-.00059**	**.01073**	**.00055**	**-.00010**	**.18003**	**.00067**
Stddev	.00009	.00012	.00084	.04260	.00143	.00236	.00001	.00006	.01548	.00000
%RSD	27.811	14.510	3.9738	135.60	241.60	21.972	2.2274	60.555	8.5989	.73768
#1	.00037	.00075	.02168	.06154	-.00161	.00906	.00056	-.00015	.16908	.00067
#2	.00025	.00092	.02050	.00129	.00042	.01239	.00054	-.00006	.19097	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00029**	W **.08436**	**-.00005**	**-.00014**	**.05017**	**.10736**	**.00330**	**.00010**	**.00091**
Stddev	.00109	.00042	.00358	.00124	.00018	.00697	.01492	.00005	.00006	.00152
%RSD	806.53	144.46	4.2483	2581.6	129.40	13.899	13.899	1.5915	58.202	166.83
#1	.00091	.00059	.08689	.00083	-.00027	.05510	.11791	.00334	.00014	.00199
#2	-.00064	-.00001	.08182	-.00092	-.00001	.04524	.09681	.00326	.00006	-.00016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00017**	**.00743**	**.00041**	**.00495**	**.00274**
Stddev	.00001	.00001	.01086	.00011	.00026	.00139
%RSD	4.3993	3.5363	146.18	28.082	5.2639	50.508
#1	.00020	-.00017	-.00025	.00033	.00476	.00176
#2	.00021	-.00016	.01510	.00049	.00513	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8483.9**	**115190.**	**6484.1**
Stddev	7.6	90.	37.0
%RSD	.08916	.07832	.56989
#1	8489.3	115250.	6458.0
#2	8478.6	115120.	6510.2

Sample Name: lcs 280-200212/2-a Acquired: 11/12/2013 5:34:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04998**	**2.0001**	**.97748**	**1.0578**	**2.0197**	**.04733**	**2.2216**	**47.221**	**.10411**	**.48774**
Stddev	.00015	.0001	.00005	.0004	.0068	.00067	.0002	.081	.00015	.00054
%RSD	.30172	.00433	.00535	.03544	.33602	1.4083	.00800	.17221	.14396	.11170
#1	.05009	2.0001	.97752	1.0575	2.0149	.04686	2.2215	47.164	.10400	.48736
#2	.04987	2.0002	.97745	1.0580	2.0245	.04780	2.2217	47.279	.10421	.48813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20069**	**.25497**	**.92855**	**51.998**	**1.0060**	**48.775**	**.48577**	**.99720**	**54.056**	**.49220**
Stddev	.00000	.00008	.00248	.179	.0007	.056	.00058	.00073	.483	.00011
%RSD	.00019	.03109	.26669	.34361	.07211	.11418	.11884	.07294	.89298	.02229
#1	.20069	.25502	.92680	51.872	1.0055	48.736	.48536	.99669	53.714	.49213
#2	.20069	.25491	.93030	52.125	1.0065	48.814	.48618	.99772	54.397	.49228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.073**	**.48641**	**.08423**	**.45650**	**1.9540**	F **.76669**	**1.6407**	**1.9744**	**.99592**	**.98059**
Stddev	.002	.00124	.00165	.00239	.0037	.01922	.0411	.0024	.00236	.00606
%RSD	.01874	.25567	1.9610	.52293	.18748	2.5073	2.5073	.11897	.23671	.61789
#1	10.071	.48553	.08306	.45482	1.9566	.75310	1.6116	1.9727	.99425	.97631
#2	10.074	.48729	.08539	.45819	1.9514	.78028	1.6698	1.9761	.99759	.98487
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97419**	**1.9334**	**2.0974**	**.49444**	**.48922**	**.48954**
Stddev	.00145	.0071	.0030	.00094	.00055	.00174
%RSD	.14884	.36778	.14118	.18967	.11297	.35485
#1	.97316	1.9384	2.0953	.49377	.48883	.48831
#2	.97521	1.9283	2.0995	.49510	.48961	.49076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8062.2**	**107810.**	**6406.1**
Stddev	1.0	50.	3.3
%RSD	.01286	.04629	.05226
#1	8062.9	107840.	6403.8
#2	8061.5	107770.	6408.5

Sample Name: 280-48851-a-1-b Acquired: 11/12/2013 5:37:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**89.545**	**.02572**	**.01033**	**.26896**	**.00321**	**-.04268**	**25.120**	**.00145**	**.10542**
Stddev	.00009	.215	.00040	.00018	.00050	.00001	.00309	.002	.00008	.00002
%RSD	15.457	.24044	1.5580	1.7503	.18565	.31954	7.2330	.00948	5.3896	.01895
#1	-.00054	89.698	.02544	.01046	.26932	.00321	-.04049	25.121	.00150	.10544
#2	-.00067	89.393	.02600	.01021	.26861	.00320	-.04486	25.118	.00139	.10541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15301**	**.10047**	**228.99**	**6.9122**	**.06500**	**12.645**	**3.8512**	**.00510**	**4.4230**	**.08737**
Stddev	.00024	.00009	.07	.0335	.00407	.046	.0070	.00006	.0381	.00011
%RSD	.15549	.08729	.03048	.48502	6.2667	.36032	.18190	1.2501	.86113	.13030
#1	.15284	.10041	228.94	6.9359	.06788	12.677	3.8561	.00514	4.4499	.08745
#2	.15317	.10054	229.04	6.8885	.06212	12.613	3.8462	.00505	4.3961	.08729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5599**	**.03948**	**1.4488**	**.00282**	**-.00088**	**.76028**	**1.6270**	**.01000**	**.45867**	**.05880**
Stddev	.0053	.00040	.0036	.00025	.00060	.00297	.0064	.00085	.00075	.00060
%RSD	.06995	1.0207	.25115	8.8424	68.031	.39080	.39080	8.4811	.16268	1.0228
#1	7.5562	.03977	1.4513	.00300	-.00046	.75818	1.6225	.01060	.45919	.05922
#2	7.5636	.03920	1.4462	.00265	-.00130	.76238	1.6315	.00940	.45814	.05837
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8397**	**-.00531**	F **-.22059**	**.72426**	**.45591**	**.17351**
Stddev	.0005	.00024	.00974	.00006	.00084	.00226
%RSD	.02900	4.4568	4.4161	.00760	.18477	1.3029
#1	1.8400	-.00514	-.22748	.72430	.45650	.17192
#2	1.8393	-.00547	-.21370	.72422	.45531	.17511
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9075.4**	**119990.**	**7049.8**
Stddev	36.8	29.	20.7
%RSD	.40600	.02447	.29326
#1	9049.4	119970.	7035.2
#2	9101.5	120010.	7064.5

Sample Name: 280-48851-a-1-bSD@5 Acquired: 11/12/2013 5:39:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**19.936**	**.00811**	**.00302**	**.05870**	**.00071**	**-.01038**	**5.6373**	**.00038**	**.02405**
Stddev	.00061	.020	.00027	.00036	.00027	.00005	.00207	.0115	.00005	.00001
%RSD	160.98	.10188	3.2731	11.909	.46590	6.8973	19.937	.20423	13.736	.02599
#1	.00081	19.950	.00830	.00328	.05890	.00075	-.01184	5.6454	.00034	.02406
#2	-.00005	19.921	.00792	.00277	.05851	.00068	-.00891	5.6291	.00042	.02405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03417**	**.02193**	**51.706**	**1.4884**	**.01275**	**2.8802**	**.87871**	**.00113**	**.95091**	**.02012**
Stddev	.00050	.00024	.053	.0235	.00064	.0030	.00046	.00008	.01112	.00024
%RSD	1.4676	1.1110	.10209	1.5806	5.0560	.10547	.05233	6.6791	1.1694	1.2037
#1	.03382	.02176	51.743	1.4718	.01321	2.8824	.87838	.00108	.95878	.01995
#2	.03453	.02210	51.669	1.5051	.01229	2.8781	.87903	.00118	.94305	.02029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6817**	**.00873**	**.36201**	**-.00070**	**-.00102**	**.16984**	**.36346**	**.00399**	**.10138**	**.01333**
Stddev	.0033	.00088	.00096	.00230	.00301	.01792	.03835	.00029	.00008	.00180
%RSD	.19567	10.123	.26493	327.16	293.65	10.552	10.552	7.2005	.07597	13.507
#1	1.6793	.00935	.36269	.00092	.00110	.18252	.39058	.00379	.10133	.01461
#2	1.6840	.00810	.36133	-.00233	-.00315	.15717	.33634	.00419	.10144	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40055**	**-.00105**	W **-.07219**	**.15879**	**.11526**	**.03787**
Stddev	.00023	.00039	.03498	.00017	.00019	.00057
%RSD	.05697	37.702	48.455	.10534	.16447	1.5042
#1	.40071	-.00077	-.09692	.15891	.11513	.03747
#2	.40039	-.00133	-.04745	.15868	.11540	.03828
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8525.5**	**113260.**	**6520.1**
Stddev	37.2	275.	48.9
%RSD	.43619	.24297	.75062
#1	8551.8	113460.	6485.5
#2	8499.2	113070.	6554.7

Sample Name: 280-48851-a-1-c ms Acquired: 11/12/2013 5:41:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04457**	**140.45**	**.86612**	**.83004**	**2.0773**	**.04533**	F **1.9056**	**67.076**	**.09339**	**.52796**
Stddev	.00083	.43	.00178	.00181	.0006	.00013	.0113	.162	.00011	.00011
%RSD	1.8731	.30905	.20595	.21849	.03107	.29576	.59500	.24201	.12097	.02175
#1	.04398	140.76	.86486	.82876	2.0769	.04542	1.8976	67.190	.09347	.52788
#2	.04517	140.15	.86738	.83133	2.0778	.04523	1.9137	66.961	.09331	.52804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34580**	**.32884**	**230.21**	**55.019**	**.98738**	**56.977**	**3.9180**	**.80348**	**53.236**	**.51344**
Stddev	.00099	.00020	.99	.142	.00038	.166	.0111	.00137	.030	.00079
%RSD	.28738	.06154	.43023	.25819	.03874	.29118	.28443	.17053	.05573	.15415
#1	.34510	.32870	230.91	55.120	.98711	56.860	3.9101	.80251	53.257	.51289
#2	.34651	.32899	229.51	54.919	.98765	57.094	3.9258	.80445	53.215	.51400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.791**	**.45702**	**1.6186**	**.17347**	**1.6501**	**3.7581**	**8.0424**	**1.6330**	**1.3932**	**.94531**
Stddev	.056	.00044	.0065	.00096	.0021	.0088	.0188	.0035	.0015	.00563
%RSD	.35712	.09590	.40037	.55468	.12964	.23434	.23434	.21352	.11013	.59550
#1	15.751	.45733	1.6140	.17415	1.6486	3.7644	8.0558	1.6305	1.3922	.94133
#2	15.831	.45671	1.6232	.17278	1.6516	3.7519	8.0291	1.6354	1.3943	.94929
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7916**	**1.6030**	**1.6191**	**1.2840**	**.92038**	**.61725**
Stddev	.0097	.0035	.0091	.0022	.00099	.00019
%RSD	.25465	.21609	.56153	.17399	.10811	.03057
#1	3.7848	1.6005	1.6255	1.2824	.91968	.61712
#2	3.7984	1.6054	1.6127	1.2855	.92108	.61739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.4**	**114990.**	**6955.2**
Stddev	34.2	233.	68.4
%RSD	.38961	.20274	.98403
#1	8744.2	115160.	6906.8
#2	8792.5	114830.	7003.6

Sample Name: 280-48851-a-1-d msd Acquired: 11/12/2013 5:43:44 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04464	119.00	.86991	.84241	2.0482	.04504	F 1.9163	64.334	.09268	.50669
Stddev	.00006	.45	.00869	.00279	.0113	.00011	.0022	.228	.00015	.00075
%RSD	.12941	.37900	.99854	.33101	.55268	.24437	.11298	.35452	.16506	.14714
#1	.04460	118.68	.86376	.84043	2.0401	.04496	1.9147	64.173	.09279	.50616
#2	.04468	119.32	.87605	.84438	2.0562	.04511	1.9178	64.496	.09258	.50722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29794	.31434	193.23	52.981	.98411	54.744	3.3706	.82985	52.567	.49657
Stddev	.00021	.00118	.00	.355	.00775	.137	.0205	.00325	.184	.00046
%RSD	.07072	.37587	.00235	.66958	.78786	.25075	.60838	.39153	.34940	.09303
#1	.29779	.31517	193.23	52.730	.97863	54.841	3.3851	.82756	52.437	.49625
#2	.29809	.31350	193.23	53.232	.98960	54.647	3.3561	.83215	52.697	.49690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.234	.45214	1.2805	.20356	1.6666	3.6699	7.8536	1.6685	1.3044	.94117
Stddev	.033	.00036	.0005	.00005	.0073	.0036	.0076	.0059	.0059	.00606
%RSD	.21712	.08052	.03912	.02604	.43855	.09723	.09723	.35337	.45109	.64436
#1	15.211	.45240	1.2808	.20352	1.6614	3.6674	7.8482	1.6644	1.3003	.94546
#2	15.258	.45189	1.2801	.20359	1.6718	3.6724	7.8590	1.6727	1.3086	.93688
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9381	1.6122	1.6736	1.0930	.81235	.60639
Stddev	.0089	.0013	.0054	.0005	.00275	.00242
%RSD	.30340	.08167	.32133	.04500	.33850	.39891
#1	2.9444	1.6113	1.6774	1.0934	.81429	.60810
#2	2.9318	1.6132	1.6698	1.0927	.81040	.60468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8794.3	116730.	7052.6
Stddev	19.5	253.	5.8
%RSD	.22206	.21646	.08249
#1	8808.1	116550.	7056.7
#2	8780.5	116900.	7048.5

Sample Name: 280-48851-a-1-bPDS Acquired: 11/12/2013 5:45:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04414**	**89.083**	**.20354**	**.09496**	**.35698**	**.04635**	**-.04139**	**42.445**	**.04740**	**.14668**
Stddev	.00061	.003	.00104	.00025	.00031	.00027	.00108	.026	.00007	.00008
%RSD	1.3905	.00318	.51055	.26431	.08708	.58237	2.6101	.06116	.14353	.05338
#1	.04457	89.081	.20428	.09514	.35676	.04654	-.04062	42.463	.04735	.14673
#2	.04371	89.085	.20281	.09479	.35720	.04616	-.04215	42.426	.04745	.14662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19453**	**.14622**	**227.14**	**26.308**	**.16003**	**30.512**	**3.8589**	**.04901**	**24.751**	**.12923**
Stddev	.00035	.00001	.25	.057	.00026	.036	.0338	.00004	.279	.00055
%RSD	.18237	.00816	.10910	.21593	.16548	.11642	.87626	.09158	1.1256	.42669
#1	.19428	.14622	227.32	26.348	.15985	30.537	3.8828	.04897	24.948	.12884
#2	.19478	.14621	226.97	26.268	.16022	30.487	3.8350	.04904	24.554	.12962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2533**	**.12756**	**1.4226**	**.08556**	**.16961**	**4.9603**	**10.615**	**.09610**	**.49736**	**.24032**
Stddev	.0047	.00039	.0035	.00177	.00247	.0041	.009	.00041	.00037	.00101
%RSD	.05137	.30608	.24644	2.0645	1.4582	.08333	.08333	.42308	.07469	.42097
#1	9.2566	.12728	1.4251	.08681	.16786	4.9632	10.621	.09582	.49763	.23960
#2	9.2499	.12783	1.4201	.08431	.17136	4.9574	10.609	.09639	.49710	.24103
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8618**	**.16658**	**.27484**	**.76089**	**.63667**	**.21732**
Stddev	.0036	.00047	.03350	.00140	.00153	.00012
%RSD	.19287	.27986	12.190	.18373	.24036	.05558
#1	1.8593	.16625	.25115	.75991	.63559	.21723
#2	1.8644	.16691	.29853	.76188	.63775	.21741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8905.5**	**117510.**	**6990.6**
Stddev	9.8	243.	31.7
%RSD	.11025	.20683	.45405
#1	8898.5	117680.	6968.2
#2	8912.4	117340.	7013.1

Sample Name: 280-48851-a-2-b Acquired: 11/12/2013 5:48:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**90.030**	**.03057**	**.01081**	**.18858**	**.00365**	**-.04216**	**15.508**	**.00051**	**.06981**
Stddev	.00029	.163	.00301	.00081	.00029	.00004	.00064	.006	.00002	.00033
%RSD	55.019	.18065	9.8426	7.4841	.15231	1.0337	1.5154	.03594	4.2824	.47479
#1	-.00074	89.915	.03270	.01138	.18878	.00362	-.04261	15.511	.00053	.06958
#2	-.00033	90.145	.02845	.01023	.18838	.00368	-.04170	15.504	.00050	.07004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14018**	**.10139**	**227.27**	**6.7277**	**.07943**	**10.541**	**.88761**	**.01185**	**5.2499**	**.07193**
Stddev	.00007	.00014	.53	.0076	.00140	.017	.00062	.00028	.0168	.00026
%RSD	.04797	.14257	.23346	.11220	1.7652	.15896	.06939	2.3251	.31992	.36653
#1	.14023	.10149	227.65	6.7331	.07844	10.529	.88718	.01204	5.2380	.07175
#2	.14014	.10129	226.90	6.7224	.08042	10.553	.88805	.01165	5.2618	.07212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.4149**	**.03809**	**1.9875**	**-.00157**	**-.00219**	**.87352**	**1.8693**	**.00933**	**.44421**	**.05590**
Stddev	.0008	.00010	.0064	.00263	.00021	.02213	.0474	.00052	.00118	.00212
%RSD	.01279	.25912	.32399	167.74	9.6330	2.5334	2.5334	5.5990	.26639	3.7914
#1	6.4155	.03816	1.9829	-.00343	-.00204	.85787	1.8358	.00897	.44337	.05440
#2	6.4143	.03802	1.9920	.00029	-.00234	.88916	1.9028	.00970	.44505	.05740
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5043**	**-.00399**	F **-.18423**	**.62402**	**.47365**	**.16261**
Stddev	.0017	.00151	.03202	.00060	.00126	.00024
%RSD	.11006	37.845	17.378	.09633	.26515	.14779
#1	1.5055	-.00293	-.16159	.62359	.47454	.16278
#2	1.5032	-.00506	-.20686	.62444	.47276	.16244
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8804.7**	**116100.**	**6780.2**
Stddev	16.4	12.	39.0
%RSD	.18576	.01043	.57556
#1	8816.2	116090.	6752.6
#2	8793.1	116110.	6807.8

Sample Name: 280-48987-a-1-d Acquired: 11/12/2013 5:50:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**160.96**	**.01716**	**.00098**	**.27630**	**.00131**	**-.02233**	**.96667**	**.00016**	**.01074**
Stddev	.00048	1.39	.00054	.00057	.00177	.00007	.00105	.00555	.00007	.00017
%RSD	75.187	.86652	3.1319	58.030	.64051	5.3544	4.7087	.57418	42.284	1.5439
#1	-.00099	161.95	.01754	.00058	.27755	.00136	-.02308	.97059	.00021	.01063
#2	-.00030	159.97	.01678	.00139	.27505	.00126	-.02159	.96274	.00012	.01086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12997**	**.01958**	**123.95**	**1.8349**	**.10210**	**4.5289**	**.04403**	**.00102**	**.51100**	**.01986**
Stddev	.00064	.00027	.75	.0123	.00141	.0098	.00012	.00022	.00883	.00033
%RSD	.48904	1.3695	.60662	.67221	1.3814	.21760	.27931	21.692	1.7274	1.6827
#1	.12952	.01939	124.48	1.8437	.10110	4.5359	.04412	.00086	.51724	.01963
#2	.13042	.01977	123.42	1.8262	.10310	4.5219	.04395	.00118	.50476	.02010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23318**	**.11662**	**.40850**	**.00186**	**-.00066**	**1.8163**	**3.8869**	**.00750**	**.02061**	**.05759**
Stddev	.00112	.00095	.00363	.00123	.00188	.0964	.2063	.00044	.00010	.00039
%RSD	.48216	.81644	.88766	65.846	284.39	5.3079	5.3079	5.8651	.49594	.67465
#1	.23239	.11595	.40594	.00273	.00067	1.8845	4.0327	.00719	.02068	.05786
#2	.23398	.11730	.41106	.00099	-.00199	1.7481	3.7410	.00781	.02054	.05731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19582**	**-.00050**	F **-.23126**	**.29645**	**.04295**	**.06940**
Stddev	.00144	.00187	.00356	.00260	.00021	.00015
%RSD	.73423	375.15	1.5392	.87758	.48518	.21192
#1	.19480	-.00182	-.23378	.29829	.04309	.06930
#2	.19684	.00082	-.22875	.29461	.04280	.06951
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8904.1**	**114020.**	**6889.2**
Stddev	43.9	874.	49.8
%RSD	.49254	.76655	.72357
#1	8935.1	113410.	6854.0
#2	8873.1	114640.	6924.4

Sample Name: 280-48987-a-2-b Acquired: 11/12/2013 5:52:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**58.130**	**.00412**	**.00238**	**.10546**	**.00040**	**-.00335**	**.32427**	**.00030**	**.00352**
Stddev	.00033	.197	.00194	.00007	.00046	.00012	.00184	.00159	.00002	.00014
%RSD	110.72	.33823	47.115	3.1107	.44063	30.280	55.149	.49028	6.8079	3.9031
#1	-.00052	57.991	.00550	.00243	.10513	.00049	-.00204	.32315	.00028	.00362
#2	-.00006	58.269	.00275	.00232	.10579	.00031	-.00465	.32539	.00031	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05997**	**.00805**	**12.388**	**.91505**	**.01138**	**1.4380**	**.01694**	**.00080**	**.40908**	**.00666**
Stddev	.00021	.00017	.074	.01562	.00191	.0028	.00016	.00002	.00331	.00001
%RSD	.34624	2.1690	.59727	1.7070	16.766	.19382	.92692	2.2953	.80824	.21023
#1	.06012	.00792	12.336	.90400	.01273	1.4360	.01683	.00081	.40674	.00667
#2	.05983	.00817	12.441	.92609	.01003	1.4399	.01705	.00078	.41142	.00665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05453**	**.03876**	**.19803**	**-.00120**	**.00135**	**1.5236**	**3.2605**	**.00470**	**.01569**	**.02625**
Stddev	.00025	.00002	.00070	.00246	.00029	.0108	.0231	.00045	.00003	.00069
%RSD	.45450	.05024	.35249	205.12	21.532	.70878	.70878	9.5259	.18617	2.6373
#1	.05470	.03875	.19853	-.00294	.00155	1.5312	3.2768	.00502	.01567	.02674
#2	.05435	.03877	.19754	.00054	.00114	1.5160	3.2441	.00438	.01571	.02576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22867**	**.00019**	W **-.05762**	**.07696**	**.01114**	**.03956**
Stddev	.00394	.00064	.01852	.00027	.00004	.00146
%RSD	1.7240	333.99	32.137	.34893	.39485	3.7004
#1	.22588	-.00026	-.04452	.07715	.01110	.03852
#2	.23146	.00065	-.07071	.07677	.01117	.04059
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8816.6**	**115710.**	**6728.0**
Stddev	2.1	428.	50.6
%RSD	.02424	.37017	.75138
#1	8815.1	116010.	6763.7
#2	8818.1	115410.	6692.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 5:54:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**50.678**	**.00069**	**.00128**	**-.00007**	**-.00010**	W **1.0822**	**.01892**	**-.00021**	**.00000**	**.00021**	**.01120**
Stddev	.00003	.008	.00103	.00025	.00040	.00000	.0063	.00037	.00019	.00006	.00010	.00030
%RSD	.36402	.01635	148.82	19.636	597.17	.08716	.58062	1.9421	91.093	1956.0	46.859	2.6830
#1	.00756	50.684	-.00004	.00145	-.00035	-.00010	1.0867	.01866	-.00034	-.00004	.00028	.01141
#2	.00760	50.672	.00143	.00110	.00021	-.00010	1.0778	.01918	-.00007	.00004	.00014	.01099
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.937**	**.04542**	**-.00212**	**.08253**	**.00089**	**-.00031**	**272.07**	**-.00006**	**-.00065**	**.00071**	**5.2022**	**.00116**
Stddev	.231	.02949	.00094	.00077	.00004	.00025	.43	.00032	.00170	.00041	.0307	.00059
%RSD	.47208	64.934	44.134	.92927	4.3431	82.199	.15712	533.32	259.90	58.173	.58909	51.316
#1	48.773	.02456	-.00146	.08307	.00092	-.00049	272.38	-.00028	.00055	.00100	5.2238	.00158
#2	49.100	.06627	-.00278	.08198	.00086	-.00013	271.77	.00016	-.00185	.00042	5.1805	.00074
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00411**	**.01201**	**.02571**	**.00011**	**.00014**	**5.0562**	**-.01260**	**.00129**	F **5.4171**	**.00110**	**.00131**	**.05711**
Stddev	.00046	.01128	.02414	.00051	.00020	.0104	.00008	.00049	.0400	.00001	.00056	.00219
%RSD	11.165	93.888	93.888	470.15	144.70	.20468	.60241	38.264	.73879	.88985	42.825	3.8263
#1	-.00378	.01999	.04278	.00047	.00000	5.0635	-.01265	.00094	5.3888	.00111	.00091	.05557
#2	-.00443	.00404	.00864	-.00025	.00028	5.0489	-.01254	.00163	5.4454	.00109	.00171	.05866
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8084.0**	**106920.**	**6322.2**
Stddev	15.6	341.	3.8
%RSD	.19260	.31913	.05942
#1	8073.0	107160.	6324.9
#2	8095.0	106680.	6319.6

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:57:12 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50622**	**.54064**	**.99743**	**.50341**	**.51175**	**.48508**	**-.00210**	**4.9909**	**.50501**	**.50806**	**.50936**	**.51051**	**2.3856**
Stddev	.00071	.00167	.00021	.00034	.00029	.00041	.00191	.0289	.00030	.00032	.00080	.00162	.0251
%RSD	.14063	.30958	.02106	.06689	.05622	.08426	90.698	.57908	.06031	.06384	.15670	.31753	1.0528
#1	.50572	.54183	.99758	.50317	.51155	.48479	-.00075	4.9705	.50522	.50829	.50992	.50937	2.3678
#2	.50672	.53946	.99728	.50365	.51196	.48537	-.00345	5.0114	.50479	.50784	.50880	.51166	2.4033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.726**	**1.0233**	**20.243**	**.50188**	**.51213**	**5.2654**	**.51221**	**1.0048**	**1.0335**	**.04368**	**1.0143**	**1.0016**	**4.8021**
Stddev	.175	.0007	.013	.00055	.00156	.0184	.00070	.0017	.0037	.00327	.0001	.0003	.0116
%RSD	.33111	.07192	.06453	.11010	.30473	.34879	.13675	.16988	.35998	7.4909	.00565	.03189	.24090
#1	52.602	1.0238	20.234	.50149	.51103	5.2524	.51271	1.0036	1.0309	.04137	1.0143	1.0018	4.7939
#2	52.849	1.0228	20.253	.50227	.51324	5.2784	.51172	1.0060	1.0362	.04600	1.0142	1.0014	4.8103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.276**	**1.0262**	**.50664**	**-.00632**	**.49780**	**1.0311**	**.00557**	**.50321**	**.50986**	**.49671**
Stddev	.025	.0019	.00073	.00037	.00077	.0020	.00942	.00001	.00004	.00592
%RSD	.24090	.18012	.14480	5.8005	.15401	.19762	169.16	.00211	.00789	1.1920
#1	10.259	1.0275	.50612	-.00658	.49726	1.0325	-.00109	.50320	.50989	.49253
#2	10.294	1.0249	.50716	-.00606	.49835	1.0297	.01222	.50322	.50983	.50090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8254.6**	**110230.**	**6354.6**
Stddev	32.8	932.	36.8
%RSD	.39694	.84525	.57981
#1	8231.5	110890.	6380.6
#2	8277.8	109570.	6328.5

Sample Name: CCB Acquired: 11/12/2013 5:59:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**-.00186**	**.00068**	**.00105**	**-.00014**	**.00007**	**.00130**	**.00144**	**.00008**	**.00025**	**-.00013**	**-.00018**
Stddev	.00002	.00134	.00067	.00007	.00037	.00007	.00196	.00207	.00010	.00010	.00002	.00018
%RSD	3.0111	72.261	98.083	6.4964	261.08	111.43	149.99	142.98	117.56	40.040	18.172	100.52
#1	.00066	-.00091	.00116	.00100	-.00041	.00012	.00269	-.00002	.00015	.00018	-.00011	-.00031
#2	.00068	-.00281	.00021	.00110	.00012	.00001	-.00008	.00290	.00001	.00032	-.00015	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**-.00269**	**-.00239**	**-.00199**	**.00013**	**.00011**	**.00066**	**.00032**	**-.00317**	**-.00075**	**.05189**	W **.00463**
Stddev	.00086	.06075	.00145	.00196	.00005	.00037	.01247	.00028	.00029	.00036	.00067	.00145
%RSD	18.117	2256.1	60.448	98.258	38.202	327.46	1877.4	86.171	9.0998	47.697	1.2934	31.229
#1	.00537	.04026	-.00137	-.00337	.00017	-.00015	-.00815	.00052	-.00296	-.00050	.05141	.00361
#2	.00415	-.04565	-.00341	-.00061	.00010	.00038	.00948	.00013	-.00337	-.00100	.05236	.00566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**.01304**	**.02790**	**.00000**	**.00004**	**.00076**	**-.00049**	**.00006**	**-.00656**	**.00039**	**.00314**	**.00143**
Stddev	.00112	.01171	.02506	.0001	.00004	.00128	.00003	.00015	.00164	.00015	.00024	.00121
%RSD	64.086	89.818	89.818	55560.	112.34	168.85	6.5646	251.67	25.050	37.860	7.4903	84.546
#1	-.00096	.00476	.01018	-.00006	.00007	-.00015	-.00047	.00017	-.00540	.00029	.00297	.00058
#2	-.00255	.02131	.04561	.00006	.00001	.00166	-.00052	-.00005	-.00772	.00050	.00330	.00229
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.6**	**111160.**	**6202.9**
Stddev	31.6	527.	7.7
%RSD	.38615	.47395	.12365
#1	8167.2	110790.	6197.5
#2	8212.0	111530.	6208.3

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:01:41 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.10879**	**.01661**	**.10026**	**.01022**	**.00093**	**.12588**	**.20862**	**.00531**	**.01067**	**.01026**	**.01565**	**.09651**	**3.2358**
Stddev	.00008	.00063	.00037	.00136	.00025	.00001	.00288	.00128	.00003	.00006	.00014	.00022	.00479	.1049
%RSD	.69843	.57594	2.2493	1.3602	2.4180	.83779	2.2857	.61224	.64785	.58638	1.3733	1.4094	4.9597	3.2414
#1	.01101	.10835	.01688	.09930	.01039	.00093	.12384	.20772	.00529	.01062	.01016	.01581	.09312	3.3100
#2	.01090	.10923	.01635	.10122	.01004	.00094	.12791	.20952	.00534	.01071	.01036	.01550	.09989	3.1617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00834**	**.21176**	**.01022**	**.02014**	**1.0502**	**.04252**	**2.9633**	**.01087**	**.03517**	**.00860**	**.01128**	**.48039**	**1.0280**	**.10408**
Stddev	.00013	.00357	.00008	.00038	.0045	.00024	.0140	.00015	.00325	.00109	.00234	.00342	.0073	.00036
%RSD	1.5501	1.6854	.77851	1.9065	.42358	.55621	.47182	1.3433	9.2266	12.685	20.744	.71168	.71168	.34312
#1	.00825	.21428	.01028	.01987	1.0533	.04269	2.9534	.01077	.03747	.00937	.00962	.48281	1.0332	.10383
#2	.00843	.20923	.01017	.02041	1.0470	.04235	2.9732	.01097	.03288	.00783	.01293	.47797	1.0229	.10433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.01485**	**.00914**	**.01531**	**.07366**	**.01005**	**.02410**	**.01793**
Stddev	.00003	.00101	.00026	.00098	.02076	.00002	.00001	.00124
%RSD	.26840	6.7838	2.7993	6.3940	28.182	.21404	.03972	6.8995
#1	.01014	.01414	.00932	.01462	.08834	.01006	.02410	.01880
#2	.01010	.01556	.00896	.01600	.05898	.01003	.02411	.01705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.9**	**115440.**	**6404.9**
Stddev	14.3	551.	25.5
%RSD	.16824	.47737	.39857
#1	8493.8	115050.	6386.9
#2	8514.0	115830.	6423.0

Sample Name: 280-48987-a-4-b Acquired: 11/12/2013 6:04:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**124.30**	**.02264**	**.00369**	**.28078**	**.00192**	**-.02154**	**29.843**	**.00025**	**.01596**
Stddev	.00024	.18	.00191	.00020	.00041	.00003	.00078	.033	.00013	.00009
%RSD	99.220	.14785	8.4538	5.4999	.14635	1.5784	3.6395	.10921	50.476	.53626
#1	-.00007	124.43	.02129	.00355	.28049	.00190	-.02099	29.866	.00016	.01602
#2	-.00041	124.17	.02399	.00383	.28107	.00194	-.02210	29.820	.00034	.01590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17771**	**.06027**	**130.21**	**3.2718**	**.09453**	**10.211**	**.31612**	**.00285**	**.43831**	**.07776**
Stddev	.00132	.00069	.89	.0052	.00078	.033	.00063	.00004	.00357	.00022
%RSD	.74524	1.1528	.68219	.15885	.82790	.32114	.19937	1.2848	.81367	.28751
#1	.17865	.06076	130.84	3.2755	.09508	10.234	.31656	.00283	.43579	.07792
#2	.17678	.05978	129.59	3.2681	.09397	10.188	.31567	.00288	.44084	.07761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80471**	**.09287**	**1.2533**	**.00115**	**-.00222**	**1.9422**	**4.1562**	**.00691**	**.06321**	**.04947**
Stddev	.00467	.00216	.0104	.00058	.00365	.0117	.0250	.00052	.00003	.00092
%RSD	.58058	2.3238	.82641	50.091	164.21	.60165	.60165	7.5345	.05449	1.8510
#1	.80801	.09440	1.2606	.00156	-.00481	1.9504	4.1739	.00728	.06323	.05012
#2	.80141	.09134	1.2460	.00074	.00036	1.9339	4.1385	.00654	.06318	.04882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26231**	**-.00176**	F **-.10102**	**.26165**	**.10626**	**.06976**
Stddev	.00349	.00114	.01468	.00112	.00025	.00083
%RSD	1.3303	65.103	14.529	.42757	.23113	1.1884
#1	.26477	-.00256	-.11140	.26244	.10608	.06918
#2	.25984	-.00095	-.09064	.26086	.10643	.07035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8912.0**	**115400.**	**6936.5**
Stddev	16.3	247.	42.9
%RSD	.18323	.21423	.61913
#1	8900.5	115570.	6906.1
#2	8923.6	115220.	6966.9

Sample Name: 280-48987-a-5-b Acquired: 11/12/2013 6:06:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**42.399**	**.00526**	**.00164**	**.08134**	**.00030**	**-.00500**	**.45915**	**.00019**	**.00238**
Stddev	.00009	.210	.00183	.00037	.00008	.00009	.00193	.00221	.00009	.00006
%RSD	26.352	.49425	34.766	22.424	.09389	31.177	38.568	.48134	46.940	2.6566
#1	.00042	42.251	.00655	.00138	.08128	.00024	-.00636	.46072	.00013	.00243
#2	.00029	42.547	.00396	.00189	.08139	.00037	-.00364	.45759	.00025	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04710**	**.00891**	**12.518**	**.76875**	**.00775**	**1.0782**	**.02975**	**.00132**	**.14598**	**.00576**
Stddev	.00023	.00025	.069	.01973	.00137	.0062	.00006	.00026	.01177	.00017
%RSD	.49281	2.8033	.55406	2.5671	17.626	.57801	.21169	19.930	8.0629	2.9050
#1	.04727	.00909	12.469	.78270	.00872	1.0826	.02980	.00113	.15430	.00564
#2	.04694	.00874	12.567	.75479	.00678	1.0738	.02971	.00151	.13766	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09082**	**.03446**	**.20618**	**-.00114**	**-.00115**	**1.2833**	**2.7463**	**.00381**	**.01147**	**.02829**
Stddev	.00030	.00077	.00204	.00092	.00176	.0015	.0033	.00025	.00005	.00005
%RSD	.33085	2.2304	.99132	80.951	153.16	.11938	.11938	6.6611	.41864	.16852
#1	.09061	.03501	.20474	-.00049	-.00240	1.2822	2.7440	.00399	.01143	.02826
#2	.09104	.03392	.20763	-.00179	.00010	1.2844	2.7486	.00363	.01150	.02832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23421**	**.00009**	W **-.08165**	**.09350**	**.01814**	**.03657**
Stddev	.00010	.00065	.01096	.00039	.00021	.00206
%RSD	.04156	744.43	13.424	.41396	1.1689	5.6339
#1	.23428	.00054	-.08940	.09377	.01829	.03803
#2	.23414	-.00037	-.07390	.09322	.01799	.03512
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8749.1**	**114350.**	**6657.6**
Stddev	13.9	119.	10.4
%RSD	.15881	.10435	.15631
#1	8739.3	114260.	6650.2
#2	8758.9	114430.	6664.9

Sample Name: 280-48987-a-7-b Acquired: 11/12/2013 6:08:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**134.15**	**.02891**	**.00712**	**.41119**	**.00342**	**-.02162**	**7.0060**	**.00054**	**.02923**
Stddev	.00021	.15	.00071	.00060	.00051	.00005	.00249	.0222	.00004	.00013
%RSD	24.668	.11434	2.4470	8.3806	.12326	1.4545	11.502	.31686	7.1510	.45879
#1	-.00100	134.04	.02942	.00754	.41155	.00339	-.01986	6.9903	.00057	.02913
#2	-.00070	134.25	.02841	.00670	.41083	.00346	-.02338	7.0217	.00052	.02932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14939**	**.05115**	**124.31**	**3.6259**	**.10440**	**10.161**	**.39470**	**.00374**	**.36373**	**.06820**
Stddev	.00033	.00000	.36	.0018	.00172	.002	.00057	.00018	.02040	.00083
%RSD	.22377	.00348	.29273	.04896	1.6442	.01599	.14379	4.9216	5.6084	1.2120
#1	.14963	.05115	124.05	3.6247	.10561	10.160	.39430	.00387	.34930	.06878
#2	.14916	.05116	124.57	3.6272	.10318	10.162	.39510	.00361	.37815	.06761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0662**	**.09041**	**.54194**	**-.00242**	**.00340**	**1.4452**	**3.0926**	**.00584**	**.03827**	**.05935**
Stddev	.0038	.00027	.00035	.00006	.00080	.0006	.0012	.00041	.00018	.00181
%RSD	.35935	.30233	.06453	2.4627	23.479	.03775	.03775	7.0688	.47567	3.0492
#1	1.0635	.09060	.54219	-.00238	.00397	1.4455	3.0935	.00613	.03814	.05807
#2	1.0689	.09021	.54170	-.00246	.00284	1.4448	3.0918	.00554	.03840	.06063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58822**	**-.00280**	F **-.16111**	**.24295**	**.18195**	**.06833**
Stddev	.00037	.00043	.00764	.00005	.00185	.00117
%RSD	.06313	15.215	4.7413	.02056	1.0164	1.7117
#1	.58795	-.00310	-.15571	.24299	.18065	.06916
#2	.58848	-.00250	-.16651	.24292	.18326	.06751
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.0**	**113290.**	**6755.5**
Stddev	19.5	78.	4.7
%RSD	.22224	.06868	.06960
#1	8754.2	113230.	6758.8
#2	8781.8	113340.	6752.1

Sample Name: 280-48987-a-8-b Acquired: 11/12/2013 6:10:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**60.381**	**.00847**	**.00221**	**.12994**	**.00061**	**-.00659**	**.17943**	**.00020**	**.00333**
Stddev	.00062	.039	.00008	.00017	.00028	.00010	.00264	.00133	.00020	.00000
%RSD	232.62	.06512	.89290	7.8791	.21468	15.821	39.991	.74311	103.08	.08204
#1	.00017	60.354	.00852	.00233	.12974	.00054	-.00473	.18038	.00034	.00332
#2	-.00070	60.409	.00842	.00209	.13014	.00068	-.00846	.17849	.00005	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05817**	**.01413**	**20.891**	**1.8618**	**.01813**	**1.9152**	**.03784**	**.00201**	**.16862**	**.00834**
Stddev	.00013	.00014	.061	.0498	.00129	.0012	.00002	.00016	.01107	.00005
%RSD	.21725	1.0170	.29179	2.6770	7.1394	.06015	.05519	8.0821	6.5623	.60171
#1	.05826	.01423	20.934	1.8970	.01721	1.9144	.03783	.00189	.17644	.00837
#2	.05808	.01402	20.847	1.8266	.01904	1.9160	.03786	.00212	.16079	.00830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18248**	**.03589**	**.26392**	**-.00357**	**-.00418**	**1.7670**	**3.7815**	**.00377**	**.00900**	**.02896**
Stddev	.00128	.00037	.00045	.00301	.00025	.0350	.0750	.00002	.00013	.00064
%RSD	.70172	1.0213	.17057	84.496	5.8988	1.9827	1.9827	.61957	1.4676	2.2027
#1	.18158	.03615	.26360	-.00144	-.00435	1.7423	3.7284	.00375	.00891	.02941
#2	.18339	.03563	.26424	-.00570	-.00401	1.7918	3.8345	.00378	.00910	.02851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15769**	**-.00067**	F **-.13061**	**.13586**	**.02446**	**.04056**
Stddev	.00409	.00009	.00425	.00004	.00015	.00004
%RSD	2.5942	13.591	3.2516	.02809	.63145	.10902
#1	.15479	-.00061	-.12761	.13589	.02457	.04059
#2	.16058	-.00074	-.13362	.13583	.02436	.04052
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8887.2**	**115640.**	**6747.5**
Stddev	.0	294.	16.4
%RSD	.00054	.25447	.24238
#1	8887.1	115840.	6736.0
#2	8887.2	115430.	6759.1

Sample Name: 280-49040-a-1-b Acquired: 11/12/2013 6:13:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**159.94**	**.02548**	**.00059**	**.30742**	**.00164**	**-.02305**	**.40593**	**.00008**	**.01275**
Stddev	.00003	.03	.00023	.00006	.00149	.00001	.00221	.00471	.00012	.00016
%RSD	6.8747	.01736	.90673	10.172	.48422	.70611	9.5981	1.1608	143.07	1.2265
#1	-.00046	159.96	.02531	.00055	.30637	.00163	-.02148	.40260	.00017	.01264
#2	-.00041	159.92	.02564	.00063	.30847	.00164	-.02461	.40926	.00000	.01286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14896**	**.02763**	**122.60**	**2.2083**	**.11287**	**4.8212**	**.06103**	**.00199**	**.38575**	**.02445**
Stddev	.00005	.00003	1.35	.0017	.00189	.0063	.00016	.00017	.00184	.00054
%RSD	.03449	.10846	1.1046	.07457	1.6757	.12993	.25805	8.6630	.47811	2.2012
#1	.14892	.02765	121.64	2.2071	.11154	4.8167	.06092	.00212	.38705	.02483
#2	.14899	.02761	123.56	2.2095	.11421	4.8256	.06114	.00187	.38444	.02407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33203**	**.11110**	**.32215**	**-.00302**	**-.00160**	**1.5443**	**3.3047**	**.00685**	**.01637**	**.06499**
Stddev	.00203	.00002	.00126	.00184	.00322	.0043	.0093	.00006	.00004	.00138
%RSD	.61236	.01426	.39120	61.108	201.42	.28012	.28012	.84379	.22241	2.1253
#1	.33059	.11111	.32126	-.00432	.00068	1.5473	3.3113	.00681	.01635	.06596
#2	.33347	.11109	.32304	-.00171	-.00388	1.5412	3.2982	.00690	.01640	.06401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19033**	**-.00150**	F **-.20585**	**.30023**	**.05641**	**.07374**
Stddev	.00115	.00018	.01787	.00022	.00096	.00148
%RSD	.60517	11.896	8.6790	.07192	1.6987	2.0085
#1	.18952	-.00162	-.19322	.30039	.05573	.07269
#2	.19115	-.00137	-.21848	.30008	.05709	.07478
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8797.6**	**113250.**	**6801.4**
Stddev	12.9	378.	72.8
%RSD	.14694	.33406	1.0703
#1	8806.7	113520.	6852.9
#2	8788.4	112990.	6750.0

Sample Name: 280-49040-a-2-b Acquired: 11/12/2013 6:15:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**29.920**	**.00655**	**.00194**	**.08042**	**.00027**	**-.00250**	**.15594**	**-.00003**	**.00180**
Stddev	.00029	.050	.00128	.00030	.00021	.00001	.00108	.00172	.00008	.00009
%RSD	152.19	.16872	19.536	15.282	.26493	5.4291	43.351	1.1038	224.63	5.2627
#1	-.00040	29.955	.00565	.00215	.08026	.00026	-.00327	.15715	.00002	.00187
#2	.00001	29.884	.00746	.00173	.08057	.00028	-.00173	.15472	-.00009	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03468**	**.00749**	**6.6012**	**1.6297**	**.00646**	**.74832**	**.01174**	**.00127**	**.13403**	**.00424**
Stddev	.00028	.00041	.0098	.0076	.00200	.00406	.00004	.00016	.00220	.00036
%RSD	.79464	5.4418	.14793	.46827	30.880	.54197	.36285	12.447	1.6401	8.5744
#1	.03487	.00720	6.5943	1.6243	.00787	.74545	.01171	.00116	.13559	.00398
#2	.03448	.00778	6.6081	1.6351	.00505	.75118	.01177	.00139	.13248	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06163**	**.02319**	**.09601**	**-.00448**	**.00055**	**1.7268**	**3.6953**	**.00315**	**.01030**	**.01634**
Stddev	.00093	.00111	.00463	.00087	.00196	.0079	.0170	.00049	.00006	.00004
%RSD	1.5115	4.7842	4.8183	19.460	358.88	.45952	.45952	15.670	.58564	.24820
#1	.06097	.02241	.09928	-.00509	-.00084	1.7212	3.6833	.00280	.01026	.01637
#2	.06229	.02398	.09274	-.00386	.00193	1.7324	3.7073	.00350	.01034	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15282**	**.00049**	W **-.07240**	**.08402**	**.00883**	**.03247**
Stddev	.00152	.00136	.00437	.00009	.00088	.00128
%RSD	.99240	274.59	6.0407	.10154	9.9120	3.9307
#1	.15174	.00145	-.07549	.08396	.00945	.03157
#2	.15389	-.00047	-.06931	.08408	.00821	.03338
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8699.3**	**116390.**	**6714.3**
Stddev	18.7	130.	27.0
%RSD	.21474	.11189	.40228
#1	8712.5	116300.	6695.2
#2	8686.1	116480.	6733.4

Sample Name: 280-49040-a-4-b Acquired: 11/12/2013 6:17:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**136.78**	**.01552**	**.00064**	**.23829**	**.00099**	**-.01466**	**.29580**	**.00018**	**.00849**
Stddev	.00050	.22	.00204	.00026	.00036	.00003	.00072	.00259	.00007	.00010
%RSD	53.447	.16448	13.171	41.501	.15016	3.2035	4.9112	.87627	36.647	1.1201
#1	-.00058	136.94	.01696	.00045	.23854	.00097	-.01517	.29764	.00023	.00856
#2	-.00128	136.62	.01407	.00082	.23803	.00102	-.01415	.29397	.00013	.00843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10565**	**.01155**	**74.430**	**1.6292**	**.07930**	**3.8413**	**.04390**	**.00079**	**.57050**	**.01705**
Stddev	.00052	.00003	.391	.0045	.00325	.0132	.00036	.00027	.02361	.00010
%RSD	.49574	.22919	.52584	.27336	4.0994	.34390	.83004	33.940	4.1376	.59378
#1	.10602	.01153	74.706	1.6323	.07700	3.8319	.04364	.00098	.55381	.01712
#2	.10528	.01157	74.153	1.6260	.08160	3.8506	.04416	.00060	.58719	.01697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21071**	**.09713**	**.32389**	**-.00149**	**-.00342**	**1.4808**	**3.1689**	**.00618**	**.01483**	**.05056**
Stddev	.00033	.00054	.00060	.00206	.00601	.0279	.0596	.00009	.00000	.00006
%RSD	.15874	.55813	.18576	138.45	176.13	1.8811	1.8811	1.4455	.00602	.11085
#1	.21095	.09675	.32431	-.00294	-.00767	1.5005	3.2111	.00612	.01483	.05060
#2	.21047	.09751	.32346	-.00003	.00084	1.4611	3.1268	.00625	.01483	.05052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15538**	**-.00152**	F **-.23470**	**.22815**	**.03446**	**.06141**
Stddev	.00435	.00018	.02787	.00174	.00012	.00188
%RSD	2.7976	12.166	11.876	.76253	.33572	3.0619
#1	.15845	-.00165	-.25441	.22692	.03437	.06008
#2	.15231	-.00139	-.21499	.22938	.03454	.06274
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8785.9**	**112880.**	**6683.9**
Stddev	26.6	100.	21.7
%RSD	.30296	.08847	.32472
#1	8767.1	112960.	6668.6
#2	8804.8	112810.	6699.3

Sample Name: 280-49040-a-5-b Acquired: 11/12/2013 6:20:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**51.571**	**.00800**	**.00148**	**.10489**	**.00035**	**-.00561**	**.32562**	**.00012**	**.00270**
Stddev	.00059	.064	.00183	.00023	.00040	.00001	.00200	.00040	.00019	.00000
%RSD	275.15	.12365	22.872	15.632	.38045	1.5489	35.706	.12154	157.94	.02337
#1	-.00063	51.617	.00929	.00131	.10517	.00035	-.00419	.32590	.00025	.00270
#2	.00020	51.526	.00670	.00164	.10460	.00034	-.00703	.32534	-.00001	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04567**	**.00673**	**11.284**	**1.5803**	**.01243**	**1.3502**	**.02554**	**.00066**	**.24730**	**.00628**
Stddev	.00019	.00034	.038	.0208	.00006	.0100	.00013	.00013	.01086	.00004
%RSD	.42085	5.0747	.33340	1.3167	.50582	.73821	.52717	20.367	4.3894	.60167
#1	.04553	.00697	11.311	1.5656	.01247	1.3573	.02564	.00075	.23963	.00631
#2	.04580	.00649	11.257	1.5950	.01238	1.3432	.02545	.00056	.25498	.00626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09251**	**.03932**	**.15804**	**-.00092**	**-.00029**	**1.7686**	**3.7849**	**.00405**	**.01357**	**.02621**
Stddev	.00038	.00129	.00131	.00078	.00084	.0032	.0067	.00057	.00006	.00052
%RSD	.40802	3.2768	.82771	84.513	290.63	.17791	.17791	14.098	.44690	1.9882
#1	.09278	.03840	.15711	-.00148	.00030	1.7664	3.7801	.00446	.01361	.02658
#2	.09224	.04023	.15896	-.00037	-.00088	1.7709	3.7897	.00365	.01352	.02585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14563**	**-.00027**	F **-.12541**	**.07802**	**.02107**	**.04456**
Stddev	.00086	.00083	.05003	.00079	.00003	.00118
%RSD	.59084	308.55	39.891	1.0082	.12305	2.6511
#1	.14624	.00032	-.09003	.07858	.02105	.04540
#2	.14502	-.00086	-.16078	.07746	.02109	.04372
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8714.8**	**114750.**	**6593.8**
Stddev	35.3	596.	21.5
%RSD	.40469	.51969	.32550
#1	8689.9	114330.	6578.7
#2	8739.8	115170.	6609.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 6:22:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00730**	**50.820**	**.00174**	**.00096**	**-.00022**	**-.00006**	W **1.0823**	**.01353**	**-.00026**	**-.00025**	**.00023**	**.01107**
Stddev	.00016	.088	.00123	.00015	.00041	.00009	.0007	.00366	.00001	.00013	.00009	.00019
%RSD	2.1290	.17404	70.485	15.242	188.49	156.23	.06095	27.081	2.9696	52.555	41.416	1.6883
#1	.00741	50.758	.00261	.00106	-.00051	-.00012	1.0828	.01612	-.00027	-.00016	.00029	.01094
#2	.00719	50.883	.00088	.00086	.00007	.00001	1.0819	.01094	-.00026	-.00035	.00016	.01121
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.183**	**.00322**	**-.00290**	**.08228**	**.00078**	**-.00036**	**273.45**	**-.00023**	**-.00168**	**.00088**	**5.1748**	**-.00001**
Stddev	.222	.01378	.00126	.00351	.00000	.00001	.88	.00001	.00043	.00056	.0055	.00289
%RSD	.45099	428.62	43.455	4.2694	.10582	2.4709	.32173	5.8427	25.434	63.367	.10535	45201.
#1	49.027	-.00653	-.00201	.08477	.00078	-.00036	274.07	-.00024	-.00138	.00049	5.1709	-.00205
#2	49.340	.01296	-.00380	.07980	.00078	-.00035	272.82	-.00022	-.00198	.00127	5.1786	.00203
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00358**	**.00356**	**.00762**	**-.00052**	**.00001**	**5.0574**	**-.01308**	**.00110**	F **5.4764**	**.00160**	**.00234**	**.05936**
Stddev	.00112	.00667	.01427	.00011	.00014	.0046	.00043	.00052	.0031	.00034	.00010	.00149
%RSD	31.311	187.20	187.20	20.530	1344.1	.09136	3.2690	47.401	.05742	21.079	4.3452	2.5053
#1	-.00437	-.00115	-.00247	-.00044	.00011	5.0541	-.01338	.00073	5.4787	.00184	.00227	.06041
#2	-.00279	.00828	.01772	-.00059	-.00009	5.0607	-.01278	.00146	5.4742	.00136	.00242	.05831
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.6**	**105790.**	**6130.5**
Stddev	.2	71.	23.4
%RSD	.00258	.06685	.38238
#1	8013.4	105840.	6147.1
#2	8013.7	105740.	6114.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 6:24:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50413**	**.53775**	**.99827**	**.50421**	**.50948**	**.48395**	**-.00377**	**5.0163**	**.50368**	**.50586**	**.51161**	**.50649**	**2.3892**
Stddev	.00161	.00160	.00035	.00162	.00038	.00110	.00186	.0029	.00132	.00087	.00211	.00021	.0063
%RSD	.31870	.29800	.03525	.32121	.07542	.22737	49.422	.05825	.26198	.17222	.41283	.04187	.26462
#1	.50299	.53662	.99852	.50306	.50921	.48473	-.00509	5.0184	.50275	.50524	.51012	.50634	2.3936
#2	.50527	.53889	.99802	.50535	.50975	.48317	-.00245	5.0143	.50462	.50647	.51310	.50664	2.3847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.712**	**1.0225**	**20.250**	**.50003**	**.51460**	**5.2648**	**.51273**	**1.0123**	**1.0305**	**.03094**	**1.0061**	**1.0050**	**4.8201**
Stddev	.002	.0051	.090	.00151	.00099	.0624	.00071	.0018	.0030	.00082	.0013	.0028	.0172
%RSD	.00445	.49786	.44454	.30207	.19244	1.1848	.13945	.17880	.29291	2.6574	.12453	.27517	.35694
#1	52.711	1.0189	20.186	.49896	.51530	5.3089	.51223	1.0136	1.0327	.03152	1.0052	1.0030	4.8323
#2	52.714	1.0261	20.313	.50110	.51390	5.2207	.51324	1.0111	1.0284	.03036	1.0069	1.0069	4.8079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.315**	**1.0325**	**.50531**	**-.00469**	**.49333**	**1.0294**	**-.01065**	**.50037**	**.51055**	**.49686**
Stddev	.037	.0040	.00008	.00374	.00144	.0021	.02686	.00065	.00079	.00301
%RSD	.35694	.38960	.01624	79.846	.29197	.19999	252.11	.12953	.15392	.60511
#1	10.341	1.0297	.50525	-.00204	.49231	1.0308	-.02964	.49991	.50999	.49899
#2	10.289	1.0354	.50537	-.00733	.49435	1.0279	.00834	.50083	.51110	.49474
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8201.6**	**109280.**	**6339.4**
Stddev	19.1	582.	1.1
%RSD	.23261	.53244	.01795
#1	8215.0	109690.	6340.2
#2	8188.1	108870.	6338.6

Sample Name: CCB Acquired: 11/12/2013 6:26:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00400**	**.00132**	**.00037**	W **-.00063**	**.00000**	**-.00060**	**.00324**	**.00013**	**-.00004**	**-.00002**
Stddev	.00002	.00003	.00030	.00013	.00017	.0000	.00051	.00223	.00001	.00018	.00004
%RSD	6.9191	.81399	22.450	36.481	26.466	869.18	84.811	68.721	9.8121	440.09	149.20
#1	.00028	-.00402	.00153	.00027	-.00051	.00002	-.00095	.00166	.00012	-.00017	.00000
#2	.00025	-.00397	.00111	.00046	-.00074	-.00003	-.00024	.00481	.00014	.00009	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00064**	**-.03279**	**-.00225**	**-.00004**	**.00001**	**.00032**	**-.01360**	**.00031**	**-.00416**	**-.00085**
Stddev	.00012	.00355	.01424	.00025	.00389	.00003	.00005	.00127	.00016	.00013	.00072
%RSD	152.91	552.06	43.416	11.282	9849.0	453.10	16.540	9.3571	51.061	3.2331	85.535
#1	-.00001	-.00315	-.02273	-.00243	.00271	-.00002	.00036	-.01270	.00020	-.00407	-.00033
#2	.00016	.00187	-.04286	-.00207	-.00279	.00003	.00028	-.01450	.00042	-.00426	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03899**	W **.00413**	**.00014**	**-.01249**	**-.02673**	**.00076**	**.00002**	**.00044**	**-.00050**	**-.00004**	**.01712**
Stddev	.00185	.00021	.00049	.00295	.00632	.00044	.00013	.00036	.00011	.00062	.02633
%RSD	4.7326	4.9871	353.85	23.654	23.654	57.274	680.15	80.796	21.520	1519.6	153.74
#1	.03768	.00399	.00048	-.01458	-.03120	.00107	-.00008	.00019	-.00058	.00040	-.00149
#2	.04029	.00428	-.00021	-.01040	-.02226	.00045	.00011	.00069	-.00043	-.00048	.03574
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00032**	**.00258**	**.00195**
Stddev	.00007	.00016	.00114
%RSD	23.214	6.2781	58.425
#1	.00027	.00247	.00275
#2	.00037	.00270	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8145.5**	**110730.**	**6167.3**
Stddev	51.4	472.	50.0
%RSD	.63141	.42656	.81038
#1	8109.1	111070.	6132.0
#2	8181.8	110400.	6202.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:29:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01079**	**.10845**	**.01624**	**.09936**	**.01071**	**.00087**	**.12414**	**.20754**	**.00515**	**.01055**	**.01048**	**.01546**	**.09443**
Stddev	.00036	.00016	.00013	.00067	.00023	.00002	.00089	.00301	.00009	.00019	.00003	.00051	.00016
%RSD	3.3683	.15052	.78963	.67112	2.1673	2.8184	.71799	1.4525	1.8224	1.7943	.26937	3.3104	.16508
#1	.01054	.10857	.01633	.09983	.01054	.00089	.12351	.20967	.00522	.01069	.01050	.01510	.09454
#2	.01105	.10833	.01615	.09888	.01087	.00086	.12477	.20541	.00508	.01042	.01046	.01583	.09432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2338**	**.00901**	**.21341**	**.01027**	**.02024**	**1.0616**	**.04279**	**2.9727**	**.00936**	**.02909**	**.00790**	**.01499**	**.48965**
Stddev	.0415	.00030	.00758	.00010	.00011	.0249	.00014	.0063	.00090	.00099	.00123	.00157	.01853
%RSD	1.2836	3.3132	3.5538	.98519	.52603	2.3474	.32587	.21360	9.5889	3.4045	15.630	10.439	3.7836
#1	3.2044	.00922	.21877	.01019	.02032	1.0440	.04289	2.9772	.00873	.02979	.00702	.01389	.47655
#2	3.2631	.00880	.20805	.01034	.02017	1.0793	.04269	2.9683	.01000	.02839	.00877	.01610	.50275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0478**	**.10509**	**.01021**	**.01290**	**.00920**	**.01731**	F **.08133**	**.00994**	**.02477**	**.01862**
Stddev	.0396	.00060	.00010	.00161	.00034	.00131	.01790	.00042	.00024	.00051
%RSD	3.7836	.57329	.95739	12.485	3.7299	7.5826	22.011	4.2144	.98320	2.7523
#1	1.0198	.10552	.01014	.01176	.00944	.01824	.09399	.01024	.02460	.01826
#2	1.0759	.10466	.01028	.01404	.00895	.01638	.06867	.00965	.02494	.01898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8474.7**	**114590.**	**6381.0**
Stddev	4.7	104.	22.9
%RSD	.05590	.09108	.35840
#1	8471.4	114510.	6397.1
#2	8478.1	114660.	6364.8

Sample Name: mb 280-199858/1-b Acquired: 11/12/2013 6:31:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00248**	**.00065**	**-.00015**	**-.00045**	**-.00002**	**.00108**	**.01129**	**.00001**	**.00026**
Stddev	.00007	.00023	.00088	.00009	.00021	.00010	.00172	.00563	.00002	.00001
%RSD	28.325	9.1811	135.25	60.364	47.337	471.14	159.28	49.895	145.63	2.1353
#1	.00029	-.00232	.00003	-.00008	-.00030	-.00009	.00230	.01528	.00000	.00027
#2	.00020	-.00264	.00127	-.00021	-.00061	.00005	-.00014	.00731	.00003	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00007**	**.00231**	**-.05830**	**-.00274**	**.00393**	**.00013**	**-.00013**	**-.01630**	**.00047**
Stddev	.00017	.00004	.00039	.01507	.00312	.00132	.00002	.00018	.00841	.00036
%RSD	297.40	47.906	16.910	25.858	113.77	33.686	13.777	141.93	51.623	77.758
#1	.00018	.00005	.00258	-.04764	-.00054	.00486	.00012	.00000	-.02224	.00021
#2	-.00006	.00010	.00203	-.06896	-.00494	.00299	.00015	-.00025	-.01035	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**-.00094**	F **.04012**	**-.00194**	**.00053**	**-.00012**	**-.00025**	**-.00019**	**.00001**	W **.00006**
Stddev	.00104	.00007	.00149	.00057	.00053	.00229	.00490	.00009	.00002	.00001
%RSD	40.690	7.8415	3.7115	29.101	99.001	1986.2	1986.2	45.905	272.08	19.562
#1	-.00183	-.00099	.03907	-.00234	.00090	.00150	.00322	-.00025	.00002	.00007
#2	-.00330	-.00089	.04117	-.00154	.00016	-.00173	-.00371	-.00013	-.00001	.00005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00107**	**-.00172**	**.00045**	**.00331**	**.00056**
Stddev	.00016	.00020	.00261	.00006	.00007	.00130
%RSD	47.934	19.018	151.95	12.357	2.0100	233.74
#1	-.00022	-.00093	-.00356	.00041	.00336	.00148
#2	-.00045	-.00122	.00013	.00049	.00326	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8455.3**	**113720.**	**6410.5**
Stddev	6.3	525.	32.8
%RSD	.07429	.46184	.51129
#1	8459.7	113340.	6433.7
#2	8450.8	114090.	6387.4

Sample Name: lcs 280-199858/2-b Acquired: 11/12/2013 6:33:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05201**	**2.0234**	**1.0118**	**1.0215**	**2.0641**	**.04818**	**2.2960**	**48.589**	**.10739**	**.49647**
Stddev	.00010	.0024	.0031	.0018	.0010	.00013	.0043	.094	.00010	.00046
%RSD	.18427	.12092	.30188	.17456	.04933	.27410	.18734	.19326	.09728	.09190
#1	.05194	2.0252	1.0139	1.0202	2.0634	.04809	2.2929	48.523	.10747	.49679
#2	.05207	2.0217	1.0096	1.0228	2.0648	.04827	2.2990	48.655	.10732	.49615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20493**	**.26080**	**.94539**	**53.397**	**1.0263**	**50.573**	**.49749**	**1.0268**	**55.030**	**.50220**
Stddev	.00088	.00118	.00261	.146	.0005	.017	.00073	.0010	.537	.00031
%RSD	.42828	.45167	.27635	.27283	.04681	.03265	.14599	.09702	.97617	.06243
#1	.20555	.25997	.94724	53.294	1.0259	50.585	.49698	1.0275	55.410	.50197
#2	.20431	.26164	.94354	53.500	1.0266	50.561	.49800	1.0261	54.650	.50242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.376**	**.49895**	**.02931**	**.49474**	**2.0305**	**9.6445**	**20.639**	**2.0376**	**1.0200**	**1.0098**
Stddev	.005	.00152	.00222	.00065	.0006	.0301	.064	.0044	.0000	.0013
%RSD	.04651	.30423	7.5588	.13199	.02801	.31179	.31179	.21426	.00103	.12408
#1	10.373	.50002	.02775	.49520	2.0309	9.6658	20.685	2.0406	1.0200	1.0107
#2	10.379	.49788	.03088	.49428	2.0301	9.6233	20.594	2.0345	1.0200	1.0089
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99788**	**1.9738**	**2.1646**	**.50728**	**.50672**	**.51007**
Stddev	.00084	.0010	.0336	.00006	.00200	.00289
%RSD	.08463	.05169	1.5508	.01217	.39522	.56724
#1	.99728	1.9731	2.1409	.50733	.50530	.51211
#2	.99848	1.9745	2.1884	.50724	.50813	.50802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8153.7**	**108670.**	**6416.6**
Stddev	4.1	165.	39.9
%RSD	.05003	.15153	.62178
#1	8156.6	108790.	6444.8
#2	8150.9	108560.	6388.4

Sample Name: 280-48924-c-1-b Acquired: 11/12/2013 6:35:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00607**	**-.00267**	**.02906**	**.00055**	**.00000**	**-.00011**	**.04164**	**-.00003**	**.00036**
Stddev	.00015	.00006	.00112	.00030	.00015	.0000	.00128	.00664	.00002	.00020
%RSD	23.746	.99985	41.970	1.0429	27.662	1795.4	1202.6	15.954	68.789	55.515
#1	.00052	.00603	-.00346	.02928	.00066	-.00003	.00080	.04633	-.00002	.00050
#2	.00074	.00612	-.00188	.02885	.00045	.00003	-.00101	.03694	-.00005	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**.00042**	**.00124**	**.00684**	**-.00107**	**.00378**	**.00034**	**.00016**	**.00034**	**.00160**
Stddev	.00008	.00035	.00024	.00790	.00064	.00137	.00002	.00005	.00964	.00017
%RSD	2.2306	83.412	19.057	115.58	59.972	36.196	6.2414	29.300	2854.1	10.852
#1	.00345	.00017	.00141	.01243	-.00062	.00475	.00033	.00013	.00715	.00147
#2	.00334	.00067	.00107	.00125	-.00152	.00281	.00036	.00019	-.00648	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00287**	**-.00135**	**.03473**	**-.00217**	**-.00066**	**.01308**	**.02799**	**.00002**	**.00027**	**-.00074**
Stddev	.00111	.00086	.00345	.00038	.00034	.01656	.03543	.00005	.00002	.00067
%RSD	38.846	63.727	9.9297	17.649	51.627	126.58	126.58	359.07	7.1255	90.107
#1	-.00366	-.00074	.03717	-.00190	-.00042	.00137	.00294	.00005	.00028	-.00122
#2	-.00208	-.00195	.03229	-.00244	-.00091	.02479	.05305	-.00002	.00025	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00107**	**.00070**	**.00018**	**.00397**	**.00257**
Stddev	.00044	.00046	.01634	.00055	.00015	.00106
%RSD	264.00	43.056	2318.1	304.17	3.7414	41.190
#1	.00048	.00074	.01226	.00057	.00386	.00332
#2	-.00014	.00139	-.01085	-.00021	.00407	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.7**	**115130.**	**6484.3**
Stddev	32.4	303.	41.9
%RSD	.38192	.26298	.64599
#1	8498.6	115340.	6454.7
#2	8452.9	114910.	6513.9

Sample Name: 280-48924-c-2-b Acquired: 11/12/2013 6:38:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00077**	**.00032**	**.03068**	**.10504**	**.00001**	**-.00050**	**30.817**	**.00014**	**.00257**
Stddev	.00057	.00012	.00032	.00070	.00009	.00002	.00083	.051	.00019	.00020
%RSD	82.562	15.221	101.84	2.2797	.09009	131.54	166.69	.16655	130.83	7.9375
#1	.00029	.00069	.00055	.03117	.10510	.00003	.00009	30.853	.00028	.00271
#2	.00110	.00085	.00009	.03018	.10497	.00000	-.00108	30.780	.00001	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00233**	**.04119**	**7.4719**	**.11910**	**16.572**	**.09188**	**.00477**	W **575.90**	**.00329**
Stddev	.00007	.00019	.00344	.0535	.00439	.087	.00012	.00007	.10	.00061
%RSD	99.691	7.9498	8.3506	.71586	3.6898	.52524	.12833	1.5216	.01817	18.397
#1	.00012	.00246	.04362	7.4341	.12221	16.633	.09196	.00472	575.98	.00372
#2	.00002	.00220	.03876	7.5097	.11600	16.510	.09179	.00482	575.83	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00799**	**-.00014**	**26.290**	**-.00198**	**.00111**	**3.1683**	**6.7801**	**.00067**	**3.1265**	**-.00267**
Stddev	.00008	.00111	.002	.00052	.00089	.0209	.0447	.00101	.0039	.00154
%RSD	1.0562	766.00	.00729	26.164	80.223	.65967	.65967	151.52	.12477	57.689
#1	.00805	-.00093	26.289	-.00161	.00048	3.1535	6.7485	-.00005	3.1292	-.00158
#2	.00793	.00064	26.291	-.00235	.00174	3.1831	6.8118	.00138	3.1237	-.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00064**	**.01883**	**.00115**	**.00658**	**.00167**
Stddev	.00000	.00045	.01057	.00037	.00038	.00008
%RSD	1.2913	69.296	56.124	32.049	5.7145	5.0230
#1	.00014	.00096	.01136	.00089	.00632	.00173
#2	.00014	.00033	.02630	.00142	.00685	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7677.9**	**100320.**	**6288.4**
Stddev	15.0	885.	75.9
%RSD	.19551	.88247	1.2062
#1	7667.3	99692.	6342.0
#2	7688.6	100940.	6234.8

Sample Name: 280-48924-c-3-b Acquired: 11/12/2013 6:40:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00540**	**.00347**	**.02844**	**.10081**	**-.00001**	**.00109**	**29.199**	**.00015**	**.00216**
Stddev	.00037	.00033	.00368	.00050	.00012	.00005	.00387	.116	.00007	.00014
%RSD	270.88	6.1177	106.10	1.7494	.11802	410.26	353.39	.39741	46.546	6.2860
#1	-.00012	.00564	.00087	.02809	.10089	-.00005	.00383	29.117	.00020	.00226
#2	.00039	.00517	.00607	.02879	.10073	.00002	-.00164	29.281	.00010	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00161**	**.02462**	**7.2825**	**.11601**	**15.694**	**.08973**	**.00419**	W **546.01**	**.00314**
Stddev	.00018	.00036	.00266	.0258	.00210	.001	.00000	.00022	1.78	.00007
%RSD	113.40	22.151	10.789	.35478	1.8067	.00878	.00481	5.1995	.32560	2.3462
#1	.00028	.00187	.02274	7.2642	.11453	15.695	.08973	.00404	544.75	.00319
#2	.00003	.00136	.02649	7.3008	.11749	15.693	.08973	.00434	547.26	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**-.00005**	**25.122**	**-.00332**	**-.00035**	**3.0358**	**6.4966**	**-.00020**	**2.9538**	**-.00177**
Stddev	.00077	.00056	.026	.00106	.00149	.0083	.0178	.00006	.0062	.00005
%RSD	10.201	1217.0	.10182	31.791	430.61	.27446	.27446	31.020	.21024	2.6613
#1	.00704	.00035	25.104	-.00257	-.00140	3.0299	6.4840	-.00025	2.9494	-.00174
#2	.00813	-.00045	25.140	-.00407	.00071	3.0417	6.5092	-.00016	2.9582	-.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00016**	**.00212**	**.00051**	**.00648**	**.00148**
Stddev	.00007	.00075	.03647	.00020	.00036	.00295
%RSD	38.569	471.20	1717.1	40.334	5.5784	199.13
#1	-.00022	-.00037	.02791	.00036	.00622	-.00060
#2	-.00013	.00069	-.02366	.00065	.00673	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.4**	**100750.**	**6223.9**
Stddev	10.4	387.	17.4
%RSD	.13475	.38436	.27980
#1	7723.1	100470.	6211.6
#2	7737.8	101020.	6236.3

Sample Name: 280-48924-a-4-b Acquired: 11/12/2013 6:43:06 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.06142**	**-.00219**	**.03903**	**.02134**	**.00000**	**-.00096**	**435.79**	**.00057**	**.00055**
Stddev	.00003	.00032	.00100	.00005	.00002	.00011	.00068	13.44	.00002	.00012
%RSD	5.3381	.51517	45.739	.13895	.09054	5764.9	70.445	3.0834	3.7771	22.784
#1	.00065	.06120	-.00148	.03899	.02136	.00008	-.00048	426.28	.00059	.00046
#2	.00061	.06165	-.00289	.03907	.02133	-.00008	-.00144	445.29	.00056	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00134**	**.59397**	**8.2034**	**.01817**	**65.302**	**.14647**	**.00135**	**451.64**	**.00085**
Stddev	.00016	.00036	.00085	.0614	.00055	.524	.00008	.00045	.99	.00022
%RSD	30.655	26.518	.14283	.74870	3.0346	.80315	.05790	33.267	.21970	25.487
#1	.00065	.00109	.59337	8.1599	.01856	65.672	.14653	.00167	450.94	.00070
#2	.00042	.00159	.59457	8.2468	.01778	64.931	.14641	.00103	452.34	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01412**	**-.00124**	F **718.90**	**-.00129**	**-.00391**	**.85831**	**1.8368**	**-.00009**	W **7.6139**	**-.00206**
Stddev	.00091	.00184	1.21	.00005	.00007	.00807	.0173	.00048	.0689	.00048
%RSD	6.4363	147.80	.16833	3.8850	1.8822	.94001	.94001	527.25	.90520	23.291
#1	.01476	-.00254	718.04	-.00126	-.00386	.85261	1.8246	.00025	7.5652	-.00172
#2	.01348	.00006	719.75	-.00133	-.00397	.86402	1.8490	-.00043	7.6627	-.00240
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00084**	**-.02196**	**.00080**	**.01088**	**.00339**
Stddev	.00014	.00144	.01881	.00017	.00006	.00249
%RSD	340.05	171.36	85.679	21.032	.51011	73.384
#1	.00006	.00186	-.00865	.00091	.01084	.00515
#2	-.00014	-.00018	-.03526	.00068	.01092	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7782.6**	**102540.**	**6497.5**
Stddev	16.1	1268.	36.1
%RSD	.20733	1.2369	.55490
#1	7771.2	101650.	6472.1
#2	7794.0	103440.	6523.0

Sample Name: 280-48922-d-1-b Acquired: 11/12/2013 6:45:44 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00271**	**.00090**	**.01080**	**.06530**	**-.00011**	**-.00004**	**36.707**	**.00016**	**.00011**
Stddev	.00019	.00014	.00048	.00025	.00044	.00000	.00093	.079	.00005	.00017
%RSD	38.010	5.1717	53.982	2.3312	.66818	2.1686	2068.4	.21616	27.630	158.41
#1	.00063	.00281	.00124	.01098	.06561	-.00011	.00061	36.651	.00013	.00022
#2	.00036	.00261	.00056	.01062	.06499	-.00011	-.00070	36.763	.00020	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00045**	**.01828**	**1.5723**	**.00491**	**8.4605**	**.01271**	**.00063**	**18.326**	**.00063**
Stddev	.00014	.00015	.00030	.0459	.00277	.0046	.00002	.00000	.181	.00007
%RSD	178.78	32.619	1.6225	2.9200	56.534	.05475	.18663	.35996	.98501	11.437
#1	-.00002	.00055	.01849	1.6047	.00687	8.4637	.01269	.00063	18.454	.00068
#2	.00018	.00035	.01807	1.5398	.00295	8.4572	.01272	.00064	18.199	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00341**	**-.00051**	**17.503**	**-.00197**	**.00033**	**4.9672**	**10.630**	**-.00013**	**.35194**	**.00003**
Stddev	.00076	.00115	.013	.00061	.00245	.0159	.034	.00029	.00046	.00155
%RSD	22.261	226.74	.07240	30.762	752.60	.31972	.31972	226.64	.13105	5165.3
#1	-.00394	.00031	17.512	-.00240	.00206	4.9784	10.654	.00008	.35161	-.00107
#2	-.00287	-.00132	17.494	-.00154	-.00141	4.9560	10.606	-.00034	.35227	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00075**	**.01145**	**.00031**	**.00312**	**.00075**
Stddev	.00001	.00106	.01682	.00001	.00025	.00114
%RSD	14.384	140.61	146.88	1.9311	7.9897	152.73
#1	-.00009	.00150	.02334	.00031	.00295	-.00006
#2	-.00011	.00000	-.00044	.00032	.00330	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8417.8**	**113880.**	**6712.9**
Stddev	5.9	92.	1.3
%RSD	.07037	.08040	.01890
#1	8422.0	113820.	6712.0
#2	8413.6	113950.	6713.8

Sample Name: 280-48922-d-2-b Acquired: 11/12/2013 6:48:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00352**	**.00103**	**.02122**	**.05045**	**-.00004**	**-.00067**	**89.867**	**.00052**	**-.00010**
Stddev	.00035	.00027	.00126	.00037	.00065	.00000	.00098	.035	.00003	.00015
%RSD	208.09	7.8077	122.93	1.7478	1.2812	.15484	147.13	.03905	5.5398	148.67
#1	-.00008	-.00371	.00192	.02096	.05000	-.00004	.00003	89.892	.00054	.00001
#2	.00041	-.00332	.00013	.02148	.05091	-.00004	-.00136	89.842	.00050	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00174**	**.01185**	**5.9955**	**.07508**	**72.911**	**.02572**	**.00066**	**391.00**	**.00115**
Stddev	.00001	.00012	.00055	.0552	.00110	.172	.00024	.00011	.93	.00010
%RSD	7.1019	6.7032	4.6287	.92023	1.4696	.23550	.93487	16.619	.23735	8.8858
#1	.00018	.00183	.01224	6.0346	.07430	72.790	.02555	.00074	390.34	.00122
#2	.00020	.00166	.01146	5.9565	.07586	73.033	.02589	.00059	391.65	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00089**	F **213.24**	**-.00254**	**-.00185**	**4.3997**	**9.4153**	**.00006**	**3.1041**	**-.00131**
Stddev	.00059	.00036	.22	.00100	.00005	.0335	.0717	.00015	.0041	.00191
%RSD	287.82	40.601	.10195	39.305	2.7711	.76172	.76172	256.00	.13217	145.83
#1	.00021	-.00114	213.08	-.00183	-.00181	4.3760	9.3646	.00016	3.1012	-.00267
#2	-.00062	-.00063	213.39	-.00325	-.00188	4.4234	9.4660	-.00005	3.1070	.00004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.00112**	**.00450**	**.00045**	**.00464**	**.00330**
Stddev	.00008	.00072	.06006	.00014	.00033	.00003
%RSD	17.472	64.117	1334.8	30.561	7.0579	.76277
#1	-.00054	.00163	.04697	.00055	.00487	.00328
#2	-.00042	.00061	-.03797	.00035	.00441	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7869.2**	**105270.**	**6534.1**
Stddev	3.4	970.	18.2
%RSD	.04313	.92160	.27870
#1	7871.6	105960.	6521.3
#2	7866.8	104580.	6547.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 6:50:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00809**	**51.469**	**.00328**	**.00065**	**-.00012**	**-.00015**	F **1.1055**	**.02928**	**-.00016**	**-.00020**	**.00017**	**.01161**
Stddev	.00025	.116	.00008	.00024	.00003	.00020	.0045	.00161	.00021	.00028	.00000	.00032
%RSD	3.1196	.22469	2.5323	37.096	26.478	133.84	.41020	5.5066	126.78	139.21	1.7923	2.7842
#1	.00827	51.388	.00333	.00082	-.00015	-.00030	1.1087	.03042	-.00031	.00000	.00017	.01184
#2	.00792	51.551	.00322	.00048	-.00010	-.00001	1.1023	.02814	-.00002	-.00040	.00017	.01138
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.495**	**.12051**	**-.00008**	**.08880**	**.00080**	**-.00002**	F **277.75**	**.00003**	**-.00069**	**.00007**	W **5.2969**	**-.00116**
Stddev	.207	.00366	.00018	.00174	.00005	.00010	1.24	.00003	.00026	.00051	.0433	.00172
%RSD	.41819	3.0344	230.74	1.9549	6.1348	572.03	.44506	100.07	37.480	734.29	.81703	149.07
#1	49.349	.12310	.00005	.08757	.00084	.00006	276.87	.00006	-.00088	-.00029	5.3275	-.00238
#2	49.641	.11793	-.00020	.09002	.00077	-.00009	278.62	.00001	-.00051	.00043	5.2663	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00525**	**.00958**	**.02050**	**.00023**	**.00049**	**5.1420**	**-.01335**	**.00178**	F **5.5349**	**.00142**	**.00197**	**.05645**
Stddev	.00387	.00804	.01722	.00017	.00005	.0034	.00022	.00038	.0018	.00014	.00008	.00102
%RSD	73.709	83.974	83.974	74.422	9.2274	.06592	1.6208	21.569	.03195	9.7264	4.2523	1.8126
#1	-.00251	.01527	.03267	.00035	.00046	5.1444	-.01350	.00205	5.5362	.00132	.00202	.05717
#2	-.00799	.00389	.00833	.00011	.00053	5.1396	-.01320	.00151	5.5337	.00151	.00191	.05572
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8064.9**	**106800.**	**6432.5**
Stddev	32.2	699.	60.2
%RSD	.39924	.65477	.93524
#1	8042.2	107300.	6475.1
#2	8087.7	106310.	6390.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 6:52:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50311**	**.53549**	**.99803**	**.50266**	**.51264**	**.48528**	**-.00423**	**5.0138**	**.50381**	**.50771**	**.51046**	**.50533**	**2.3895**
Stddev	.00005	.00001	.00460	.00043	.00109	.00155	.00238	.0061	.00046	.00071	.00036	.00020	.0102
%RSD	.01071	.00273	.46106	.08612	.21165	.31977	56.167	.12163	.09138	.14079	.07056	.03954	.42737
#1	.50315	.53550	1.0013	.50236	.51341	.48638	-.00592	5.0095	.50414	.50821	.51071	.50547	2.3822
#2	.50307	.53548	.99477	.50297	.51188	.48418	-.00255	5.0181	.50349	.50720	.51020	.50519	2.3967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.006**	**1.0250**	**20.177**	**.50037**	**.51429**	**5.4211**	**.51312**	**1.0066**	**1.0316**	**.04760**	**1.0082**	**.99823**	**4.8038**
Stddev	.192	.0005	.053	.00047	.00293	.0154	.00059	.0036	.0086	.00175	.0068	.00187	.0003
%RSD	.36201	.04630	.26281	.09342	.56924	.28346	.11420	.35821	.83734	3.6671	.67490	.18743	.00665
#1	53.142	1.0254	20.140	.50004	.51636	5.4320	.51354	1.0091	1.0377	.04883	1.0130	.99955	4.8036
#2	52.871	1.0247	20.215	.50070	.51222	5.4103	.51271	1.0041	1.0255	.04636	1.0033	.99691	4.8040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.280**	**1.0249**	**.50819**	**-.00529**	**.49486**	**1.0285**	**.00053**	**.50276**	**.51381**	**.49651**
Stddev	.001	.0074	.00155	.00223	.00013	.0054	.05348	.00267	.00099	.00226
%RSD	.00665	.71825	.30433	42.069	.02616	.52799	10095.	.53016	.19194	.45533
#1	10.280	1.0301	.50928	-.00372	.49496	1.0323	-.03729	.50088	.51312	.49811
#2	10.281	1.0197	.50710	-.00686	.49477	1.0246	.03835	.50465	.51451	.49491
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8235.5**	**110350.**	**6358.3**
Stddev	3.1	665.	38.2
%RSD	.03707	.60260	.60051
#1	8237.7	110820.	6385.3
#2	8233.4	109880.	6331.3

Sample Name: CCB Acquired: 11/12/2013 6:55:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00472**	**.00182**	**.00027**	**-.00027**	**.00008**	**.00079**	**.00440**	**.00028**	**.00032**	**-.00011**	**-.00042**
Stddev	.00023	.00037	.00181	.00019	.00006	.00013	.00280	.00002	.00000	.00004	.00002	.00007
%RSD	27.940	7.7708	99.800	70.218	21.270	163.74	352.92	.36791	.20892	11.580	20.751	16.394
#1	.00098	-.00446	.00310	.00040	-.00023	.00017	-.00119	.00441	.00029	.00035	-.00010	-.00047
#2	.00066	-.00497	.00053	.00013	-.00031	-.00001	.00278	.00439	.00028	.00030	-.00013	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.06858**	**-.00225**	**-.00044**	**.00007**	**.00033**	**.05906**	**.00023**	**-.00304**	**.00010**	**.05122**	W **.00438**
Stddev	.00255	.04547	.00074	.00174	.00007	.00003	.00753	.00002	.00182	.00007	.00165	.00066
%RSD	182.56	66.310	32.674	398.75	102.36	9.3415	12.752	8.5619	59.764	73.805	3.2173	15.092
#1	-.00320	.10073	-.00173	-.00166	.00012	.00036	.05373	.00022	-.00176	.00015	.05239	.00485
#2	.00041	.03642	-.00277	.00079	.00002	.00031	.06438	.00025	-.00433	.00005	.05006	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.00502**	**.01075**	**.00037**	**.00005**	**-.00031**	**-.00018**	**.00055**	**.02020**	**.00007**	**.00260**	**.00229**
Stddev	.00172	.00242	.00519	.00005	.00003	.00004	.00021	.00052	.00667	.00043	.00016	.00029
%RSD	88.925	48.258	48.258	14.031	61.359	14.469	117.26	95.480	33.026	574.90	6.0829	12.535
#1	-.00316	.00674	.01442	.00040	.00008	-.00027	-.00033	.00092	.01549	-.00023	.00272	.00249
#2	-.00072	.00331	.00708	.00033	.00003	-.00034	-.00003	.00018	.02492	.00038	.00249	.00208
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8375.4**	**113910.**	**6417.2**
Stddev	38.2	829.	17.5
%RSD	.45652	.72787	.27317
#1	8348.3	113320.	6404.8
#2	8402.4	114500.	6429.6

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:57:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.10838**	**.01568**	**.10021**	**.01008**	**.00086**	**.12623**	**.20482**	**.00519**	**.01071**	**.01048**	**.01558**	**.09438**
Stddev	.00055	.00035	.00139	.00073	.00014	.00003	.00504	.00716	.00008	.00005	.00006	.00023	.00049
%RSD	5.0549	.32459	8.8537	.72538	1.3402	3.2621	3.9953	3.4970	1.6118	.48487	.53998	1.5078	.51434
#1	.01126	.10863	.01470	.10073	.01017	.00088	.12980	.19976	.00513	.01067	.01044	.01575	.09404
#2	.01048	.10813	.01666	.09970	.00998	.00084	.12267	.20989	.00525	.01075	.01052	.01542	.09473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1909**	**.00975**	**.21028**	**.01027**	**.02008**	**1.1015**	**.04271**	**2.9890**	**.00946**	**.03366**	**.00920**	**.01361**	**.47841**
Stddev	.0248	.00222	.00012	.00016	.00012	.0130	.00011	.0207	.00040	.00302	.00035	.00002	.02190
%RSD	.77659	22.728	.05614	1.5604	.61235	1.1831	.26381	.69144	4.2404	8.9617	3.8419	.18260	4.5772
#1	3.1734	.00819	.21036	.01015	.02017	1.1107	.04263	3.0036	.00975	.03580	.00895	.01363	.46292
#2	3.2085	.01132	.21019	.01038	.01999	1.0923	.04279	2.9743	.00918	.03153	.00945	.01359	.49389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0238**	**.10508**	**.01022**	**.01387**	**.00918**	**.01733**	F **.08247**	**.01038**	**.02358**	**.01633**
Stddev	.0469	.00051	.00013	.00091	.00007	.00072	.03910	.00028	.00003	.00269
%RSD	4.5772	.48414	1.2390	6.5252	.74042	4.1399	47.411	2.7426	.14028	16.475
#1	.99065	.10544	.01013	.01323	.00914	.01784	.11012	.01058	.02361	.01443
#2	1.0569	.10472	.01031	.01451	.00923	.01683	.05482	.01018	.02356	.01823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8652.5**	**117870.**	**6639.9**
Stddev	1.9	747.	2.0
%RSD	.02242	.63377	.03078
#1	8653.8	118400.	6638.5
#2	8651.1	117350.	6641.4

Sample Name: 280-48905-d-4-c Acquired: 11/12/2013 6:59:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00071**	**.00344**	**.22248**	**.04176**	**-.00004**	**-.00004**	**74.708**	**.00041**	**.00046**
Stddev	.00005	.00023	.00109	.00012	.00026	.00003	.00243	.118	.00003	.00000
%RSD	17.626	31.807	31.601	.05222	.61518	63.235	6402.7	.15789	8.1118	.68387
#1	.00032	-.00087	.00268	.22257	.04157	-.00002	.00168	74.792	.00039	.00046
#2	.00025	-.00055	.00421	.22240	.04194	-.00006	-.00176	74.625	.00043	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00971**	**.03428**	**17.029**	**.03143**	**17.221**	**.01422**	**.00528**	**129.45**	**.00247**
Stddev	.00008	.00028	.00086	.094	.00066	.009	.00010	.00015	.33	.00022
%RSD	25.156	2.9005	2.5194	.54928	2.0938	.05300	.70295	2.7908	.25377	8.9961
#1	.00025	.00952	.03489	16.962	.03096	17.215	.01429	.00539	129.68	.00262
#2	.00036	.00991	.03367	17.095	.03189	17.227	.01415	.00518	129.21	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15350**	**-.00051**	**51.650**	**-.00243**	**.00299**	**2.0516**	**4.3903**	**.00053**	**.74992**	**.00036**
Stddev	.00001	.00047	.089	.00234	.00028	.0251	.0536	.00001	.00071	.00090
%RSD	.00549	91.910	.17153	96.175	9.3474	1.2216	1.2216	1.4907	.09445	247.34
#1	.15350	-.00018	51.712	-.00409	.00279	2.0338	4.3524	.00053	.75042	-.00027
#2	.15351	-.00084	51.587	-.00078	.00319	2.0693	4.4282	.00054	.74942	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00091**	**.00869**	**.00067**	**.04923**	**.00387**
Stddev	.00062	.00065	.03864	.00030	.00018	.00028
%RSD	117.80	71.071	444.69	44.611	.37415	7.2570
#1	-.00009	.00137	.03601	.00088	.04936	.00367
#2	-.00096	.00045	-.01863	.00046	.04910	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8153.6**	**109610.**	**6618.9**
Stddev	12.2	283.	15.4
%RSD	.14988	.25791	.23262
#1	8162.2	109410.	6629.8
#2	8144.9	109810.	6608.0

Sample Name: 280-48963-a-1-b Acquired: 11/12/2013 7:01:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.01970**	**.00139**	**.01142**	**.03762**	**-.00002**	**.00190**	**22.631**	**.00013**	**.00014**
Stddev	.00016	.00025	.00313	.00005	.00048	.00003	.00046	.079	.00005	.00000
%RSD	35.467	1.2446	225.52	.46735	1.2671	178.61	23.996	.34818	34.806	1.8839
#1	.00058	.01953	-.00083	.01139	.03795	-.00004	.00158	22.575	.00016	.00014
#2	.00035	.01988	.00360	.01146	.03728	.00000	.00223	22.687	.00010	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00067**	**.00848**	**2.5891**	**.00793**	**5.4885**	**.00097**	**.01218**	**18.407**	**.00069**
Stddev	.00003	.00014	.00165	.0158	.00075	.0163	.00003	.00001	.110	.00009
%RSD	34.768	21.371	19.451	.61020	9.4495	.29709	3.4772	.11416	.59896	13.602
#1	.00011	.00057	.00965	2.6003	.00740	5.5001	.00100	.01219	18.329	.00076
#2	.00006	.00077	.00731	2.5780	.00847	5.4770	.00095	.01217	18.485	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00370**	**.00029**	**17.438**	**-.00088**	**-.00098**	**1.9868**	**4.2518**	**-.00044**	**.20609**	**-.00089**
Stddev	.00008	.00113	.018	.00122	.00144	.0007	.0015	.00015	.00064	.00230
%RSD	2.0398	385.50	.10354	139.16	146.12	.03502	.03502	33.638	.31260	258.20
#1	-.00376	-.00051	17.425	-.00174	-.00200	1.9863	4.2507	-.00033	.20563	.00074
#2	-.00365	.00109	17.451	-.00001	.00003	1.9873	4.2528	-.00054	.20654	-.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00021**	**.01709**	**.00005**	**.00325**	**.00268**
Stddev	.00009	.00104	.01212	.00031	.00034	.00000
%RSD	26.995	501.15	70.938	580.20	10.422	.03200
#1	-.00028	.00094	.02566	.00027	.00301	.00268
#2	-.00041	-.00053	.00852	-.00016	.00349	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8441.0**	**114590.**	**6676.7**
Stddev	20.1	366.	61.2
%RSD	.23789	.31919	.91592
#1	8426.8	114330.	6720.0
#2	8455.2	114850.	6633.5

Sample Name: 280-48963-d-2-b Acquired: 11/12/2013 7:04:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.03521**	**.00048**	**.01073**	**.02845**	**.00003**	**.00098**	**24.028**	**.00009**	**.00011**
Stddev	.00019	.00032	.00069	.00015	.00005	.00002	.00052	.076	.00004	.00009
%RSD	56.919	.91314	141.59	1.3804	.16501	69.442	52.976	.31475	41.548	79.056
#1	.00020	.03544	.00000	.01063	.02848	.00002	.00061	24.081	.00012	.00018
#2	.00047	.03498	.00097	.01084	.02841	.00005	.00134	23.974	.00006	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00208**	**.02981**	**1.7996**	**.00462**	**5.4551**	**.00060**	**.00638**	**18.336**	**.00063**
Stddev	.00007	.00006	.00012	.0117	.00216	.0118	.00002	.00017	.502	.00004
%RSD	1077.7	3.0225	.39836	.65044	46.826	.21699	3.4430	2.6205	2.7377	5.5370
#1	-.00006	.00204	.02973	1.8079	.00309	5.4467	.00059	.00650	17.981	.00061
#2	.00005	.00213	.02990	1.7913	.00615	5.4635	.00062	.00626	18.690	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00220**	**-.00080**	**14.746**	**-.00177**	**.00126**	**2.7697**	**5.9273**	**.00044**	**.17731**	**-.00003**
Stddev	.00018	.00050	.013	.00020	.00198	.0054	.0115	.00016	.00050	.00199
%RSD	8.3693	62.761	.09126	11.315	156.38	.19360	.19360	35.909	.27985	7370.5
#1	-.00207	-.00045	14.737	-.00191	-.00013	2.7660	5.9191	.00033	.17766	-.00144
#2	-.00232	-.00116	14.756	-.00163	.00266	2.7735	5.9354	.00055	.17696	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00046**	**-.00218**	**.00099**	**.00371**	**.00070**
Stddev	.00048	.00014	.00145	.00028	.00015	.00030
%RSD	86.176	30.566	66.733	28.623	3.9132	43.416
#1	.00022	-.00056	-.00321	.00119	.00381	.00049
#2	.00090	-.00036	-.00115	.00079	.00361	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8535.7**	**114530.**	**6635.2**
Stddev	55.4	276.	37.9
%RSD	.64879	.24108	.57115
#1	8496.5	114330.	6608.4
#2	8574.8	114720.	6662.0

Sample Name: 280-48963-a-3-b Acquired: 11/12/2013 7:06:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.01533**	**.00081**	**.01131**	**.03220**	**-.00004**	**-.00077**	**26.930**	**.00007**	**.00021**
Stddev	.00020	.00033	.00131	.00075	.00037	.00006	.00140	.031	.00014	.00010
%RSD	35.266	2.1232	161.80	6.6353	1.1379	172.38	181.16	.11551	196.24	45.103
#1	.00069	.01510	-.00012	.01184	.03194	-.00008	.00022	26.952	-.00003	.00015
#2	.00042	.01556	.00173	.01078	.03245	.00001	-.00176	26.908	.00017	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00573**	**.01393**	**1.9064**	**.00559**	**5.6901**	**.00030**	**.00813**	**19.742**	**.00051**
Stddev	.00002	.00024	.00139	.0006	.00102	.0165	.00002	.00009	.103	.00033
%RSD	98.952	4.2376	9.9655	.03384	18.233	.28921	6.9356	1.1187	.52041	63.563
#1	.00003	.00590	.01491	1.9068	.00487	5.7018	.00028	.00807	19.815	.00075
#2	.00001	.00556	.01295	1.9059	.00631	5.6785	.00031	.00820	19.669	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00269**	**-.00024**	**15.876**	**-.00184**	**.00125**	**2.5690**	**5.4977**	**.00001**	**.20135**	**.00046**
Stddev	.00072	.00062	.019	.00072	.00193	.0148	.0318	.00015	.00056	.00126
%RSD	26.850	254.02	.12215	39.375	154.88	.57764	.57764	2253.3	.27784	270.33
#1	-.00218	-.00068	15.862	-.00235	.00261	2.5795	5.5202	.00012	.20174	.00135
#2	-.00320	.00019	15.889	-.00133	-.00012	2.5585	5.4753	-.00010	.20095	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00010**	**.00177**	**.00057**	**.00774**	**.00221**
Stddev	.00018	.00056	.00766	.00023	.00029	.00009
%RSD	523.86	566.39	431.67	40.387	3.7156	3.8698
#1	.00009	-.00030	.00719	.00040	.00754	.00215
#2	-.00016	.00049	-.00364	.00073	.00795	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8556.4**	**116950.**	**6901.0**
Stddev	35.1	410.	65.3
%RSD	.41011	.35067	.94696
#1	8581.2	117240.	6854.8
#2	8531.6	116660.	6947.3

Sample Name: 280-48963-a-3-bSD@5 Acquired: 11/12/2013 7:09:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01590**	**.00192**	**.00180**	**.00665**	**-.00004**	**.00024**	**5.7304**	**-.00003**	**.00004**
Stddev	.00020	.00013	.00044	.00023	.00008	.00005	.00103	.0066	.00014	.00010
%RSD	33.789	.79469	22.712	12.569	1.1840	115.73	430.09	.11427	416.00	253.97
#1	.00075	.01581	.00161	.00164	.00671	-.00007	.00097	5.7258	-.00013	.00011
#2	.00046	.01599	.00223	.00196	.00660	-.00001	-.00049	5.7350	.00007	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00119**	**.01706**	**.41170**	**-.00009**	**1.2095**	**.00035**	**.00175**	**3.8739**	**.00064**
Stddev	.0000	.00013	.00011	.05228	.00439	.0018	.00000	.00025	.0366	.00044
%RSD	794.14	11.017	.62192	12.699	4950.4	.14924	.55274	14.331	.94525	68.097
#1	.00002	.00109	.01713	.44867	.00302	1.2108	.00035	.00193	3.8480	.00033
#2	-.00003	.00128	.01698	.37473	-.00319	1.2082	.00035	.00158	3.8998	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00361**	**-.00072**	**3.2698**	**-.00267**	**.00026**	**.53346**	**1.1416**	**.00349**	**.04264**	**-.00025**
Stddev	.00023	.00006	.0171	.00083	.00084	.01094	.0234	.00058	.00004	.00015
%RSD	6.2443	8.6095	.52350	31.232	329.84	2.0503	2.0503	16.708	.09129	60.723
#1	-.00345	-.00076	3.2819	-.00326	.00085	.54119	1.1582	.00308	.04267	-.00014
#2	-.00377	-.00067	3.2577	-.00208	-.00034	.52572	1.1251	.00390	.04262	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00092**	**.01076**	**-.00005**	**.00787**	**.00142**
Stddev	.00009	.00032	.01004	.00024	.00030	.00025
%RSD	30.857	34.878	93.352	488.25	3.7716	17.768
#1	-.00035	.00069	.00366	-.00022	.00808	.00160
#2	-.00023	.00115	.01785	.00012	.00766	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8691.5**	**117930.**	**6858.1**
Stddev	8.2	777.	29.8
%RSD	.09456	.65905	.43513
#1	8697.3	117380.	6879.2
#2	8685.7	118480.	6837.0

Sample Name: 280-48963-a-3-c ms Acquired: 11/12/2013 7:11:24 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05099**	**1.9586**	**.99839**	**1.0197**	**2.0516**	**.04774**	F **2.2661**	**72.994**	**.10532**	**.48091**
Stddev	.00017	.0008	.00441	.0006	.0035	.00006	.0043	.033	.00023	.00100
%RSD	.33372	.04160	.44218	.05445	.16867	.12144	.19079	.04495	.22138	.20819
#1	.05111	1.9591	1.0015	1.0201	2.0492	.04770	2.2691	73.017	.10548	.48162
#2	.05087	1.9580	.99527	1.0193	2.0541	.04778	2.2630	72.971	.10515	.48020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19998**	**.25987**	**.93396**	**53.861**	**1.0170**	**53.576**	**.47897**	**1.0170**	**73.569**	**.48724**
Stddev	.00052	.00088	.00394	.148	.0023	.100	.00003	.0006	.275	.00171
%RSD	.25869	.33721	.42197	.27456	.22898	.18749	.00688	.05403	.37356	.35088
#1	.20035	.25925	.93118	53.966	1.0187	53.647	.47899	1.0174	73.375	.48845
#2	.19962	.26049	.93675	53.757	1.0154	53.505	.47894	1.0166	73.763	.48603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.246**	**.48148**	**15.862**	**.48663**	**1.9808**	**11.973**	**25.622**	**1.9731**	**1.1962**	**.98309**
Stddev	.011	.00078	.049	.00016	.0031	.040	.086	.0070	.0006	.00110
%RSD	.10531	.16233	.31132	.03258	.15417	.33454	.33454	.35506	.04653	.11230
#1	10.254	.48092	15.897	.48652	1.9829	11.945	25.562	1.9780	1.1958	.98231
#2	10.239	.48203	15.827	.48674	1.9786	12.001	25.683	1.9681	1.1966	.98387
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97243**	**1.8924**	**2.1190**	**.49406**	**.48244**	**.50053**
Stddev	.00086	.0060	.0017	.00169	.00085	.00002
%RSD	.08832	.31476	.08232	.34250	.17683	.00493
#1	.97183	1.8966	2.1203	.49286	.48183	.50055
#2	.97304	1.8882	2.1178	.49525	.48304	.50051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8345.0**	**112570.**	**6924.9**
Stddev	7.9	290.	13.0
%RSD	.09441	.25739	.18805
#1	8339.4	112360.	6915.7
#2	8350.6	112770.	6934.1

Sample Name: 280-48963-a-3-d msd Acquired: 11/12/2013 7:13:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05026**	**1.9377**	**.98291**	**1.0033**	**2.0208**	**.04653**	F **2.2344**	**72.291**	**.10388**	**.47379**
Stddev	.00008	.0027	.00179	.0013	.0057	.00041	.0001	.100	.00006	.00175
%RSD	.16009	.13725	.18161	.13234	.28226	.87685	.00579	.13816	.05658	.36891
#1	.05020	1.9396	.98417	1.0024	2.0249	.04624	2.2345	72.361	.10392	.47502
#2	.05032	1.9358	.98165	1.0043	2.0168	.04682	2.2343	72.220	.10383	.47255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19731**	**.25722**	**.91512**	**53.080**	**.99710**	**53.332**	**.47417**	**1.0024**	**72.038**	**.48053**
Stddev	.00001	.00170	.00976	.091	.00249	.010	.00004	.0013	.121	.00118
%RSD	.00588	.66060	1.0670	.17085	.25022	.01917	.00739	.13027	.16813	.24491
#1	.19730	.25602	.90822	53.144	.99886	53.339	.47415	1.0033	71.952	.48136
#2	.19732	.25842	.92203	53.015	.99533	53.325	.47420	1.0015	72.123	.47970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.098**	**.47381**	**15.933**	**.48240**	**1.9522**	**11.729**	**25.101**	**1.9455**	**1.1793**	**.97284**
Stddev	.017	.00005	.004	.00159	.0131	.044	.094	.0025	.0032	.00270
%RSD	.16527	.01005	.02304	.32928	.67155	.37372	.37372	.12974	.27457	.27748
#1	10.109	.47377	15.936	.48352	1.9615	11.698	25.035	1.9473	1.1815	.97475
#2	10.086	.47384	15.930	.48127	1.9429	11.760	25.167	1.9437	1.1770	.97094
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96141**	**1.8706**	**2.1125**	**.48858**	**.47920**	**.48521**
Stddev	.00118	.0052	.0261	.00091	.00040	.00160
%RSD	.12288	.28015	1.2364	.18664	.08366	.33011
#1	.96225	1.8743	2.1310	.48922	.47892	.48408
#2	.96058	1.8669	2.0941	.48793	.47949	.48634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8327.9**	**112020.**	**6875.1**
Stddev	25.9	96.	43.3
%RSD	.31089	.08546	.63047
#1	8309.6	111950.	6844.5
#2	8346.2	112080.	6905.8

Sample Name: CCVH-2372891 Acquired: 11/12/2013 7:15:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00761**	**50.206**	**.00202**	**.00184**	**.00010**	**-.00008**	W **1.0967**	**.02565**	**.00001**	**-.00029**	**.00001**	**.01133**
Stddev	.00027	.117	.00070	.00052	.00009	.00001	.0007	.00138	.00021	.00002	.00000	.00028
%RSD	3.5574	.23352	34.469	28.239	93.162	8.4508	.06471	5.3856	2281.7	6.0968	59.439	2.5026
#1	.00742	50.289	.00152	.00221	.00003	-.00009	1.0962	.02663	.00016	-.00030	.00000	.01113
#2	.00781	50.123	.00251	.00147	.00016	-.00008	1.0972	.02468	-.00014	-.00028	.00001	.01153
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.816**	**.11642**	**-.00041**	**.08619**	**.00078**	**.00049**	**272.34**	**-.00001**	**-.00204**	**-.00011**	**5.2238**	**-.00071**
Stddev	.495	.04260	.00119	.00002	.00004	.00004	.09	.00017	.00107	.00071	.0157	.00126
%RSD	1.0140	36.589	291.18	.02025	4.5461	7.2061	.03123	1701.0	52.607	676.18	.29993	176.44
#1	48.466	.14654	.00043	.08618	.00081	.00046	272.40	.00011	-.00280	-.00061	5.2348	.00018
#2	49.166	.08630	-.00125	.08621	.00076	.00051	272.28	-.00013	-.00128	.00040	5.2127	-.00160
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00484**	**.01922**	**.04113**	**-.00007**	**.00038**	**5.0419**	**-.01302**	**.00199**	F **5.4472**	**.00107**	**.00249**	**.05899**
Stddev	.00087	.02780	.05949	.00072	.00002	.0291	.00008	.00164	.0171	.00054	.00036	.00361
%RSD	17.959	144.62	144.62	1081.9	6.1831	.57754	.65267	82.307	.31358	50.512	14.505	6.1166
#1	-.00422	-.00043	-.00093	.00044	.00037	5.0213	-.01296	.00083	5.4351	.00069	.00224	.05644
#2	-.00545	.03888	.08320	-.00058	.00040	5.0625	-.01308	.00315	5.4593	.00145	.00275	.06154
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8228.3**	**110620.**	**6695.2**
Stddev	37.8	325.	7.1
%RSD	.45902	.29387	.10562
#1	8255.0	110850.	6700.2
#2	8201.6	110390.	6690.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 7:18:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50582**	**.53502**	**1.0040**	**.50973**	**.51231**	**.48495**	**-.00500**	**4.9911**	**.50875**	**.50897**	**.51230**	**.51131**	**2.3801**
Stddev	.00180	.00002	.0040	.00064	.00200	.00096	.00325	.0148	.00021	.00019	.00011	.00086	.0314
%RSD	.35553	.00341	.39323	.12496	.39111	.19773	64.957	.29597	.04147	.03774	.02104	.16845	1.3206
#1	.50454	.53504	1.0068	.50928	.51372	.48563	-.00270	5.0016	.50890	.50910	.51222	.51070	2.4024
#2	.50709	.53501	1.0012	.51018	.51089	.48427	-.00729	4.9807	.50860	.50883	.51237	.51192	2.3579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.755**	**1.0215**	**20.041**	**.50008**	**.51668**	**5.3185**	**.51564**	**1.0143**	**1.0369**	**.02454**	**1.0241**	**1.0139**	**4.7896**
Stddev	.075	.0019	.029	.00077	.00312	.0138	.00029	.0045	.0051	.00036	.0105	.0089	.0352
%RSD	.14231	.19087	.14571	.15376	.60394	.25982	.05673	.44473	.49048	1.4819	1.0260	.87784	.73582
#1	52.809	1.0229	20.061	.50062	.51888	5.3283	.51543	1.0175	1.0405	.02428	1.0315	1.0202	4.8145
#2	52.702	1.0201	20.020	.49953	.51447	5.3087	.51584	1.0111	1.0333	.02480	1.0167	1.0076	4.7647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.250**	**1.0275**	**.50679**	**-.00427**	**.49670**	**1.0350**	**-.00695**	**.50347**	**.50867**	**.49589**
Stddev	.075	.0069	.00142	.00052	.00022	.0068	.00250	.00157	.00189	.00565
%RSD	.73582	.67071	.28079	12.281	.04485	.65358	36.030	.31210	.37150	1.1393
#1	10.303	1.0324	.50780	-.00464	.49654	1.0397	-.00872	.50458	.51001	.49988
#2	10.196	1.0226	.50578	-.00390	.49686	1.0302	-.00518	.50236	.50734	.49189
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.7**	**111920.**	**6460.8**
Stddev	5.1	92.	19.7
%RSD	.06137	.08194	.30431
#1	8332.1	111980.	6474.7
#2	8339.3	111850.	6446.9

Sample Name: CCB Acquired: 11/12/2013 7:20:09 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00468**	**.00026**	**.00092**	**.00009**	**.00002**	**.00073**	**-.00066**	**.00000**	**.00022**	**-.00001**	**-.00029**
Stddev	.00023	.00004	.00046	.00043	.00002	.00006	.00217	.00143	.00006	.00006	.00020	.00005
%RSD	78.753	.94361	175.07	47.344	26.245	258.11	296.93	216.33	1907.7	28.364	2855.1	15.866
#1	.00045	-.00465	-.00006	.00123	.00011	.00007	-.00080	.00035	.00005	.00026	-.00015	-.00032
#2	.00013	-.00472	.00059	.00061	.00008	-.00002	.00227	-.00168	-.00004	.00017	.00014	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00298**	**.05252**	**-.00083**	**.00177**	**.00001**	**.00022**	**.01060**	**.00028**	**-.00468**	**-.00098**	**.02858**	**.00313**
Stddev	.00148	.02900	.00179	.00175	.00002	.00001	.00175	.00009	.00185	.00010	.00139	.00148
%RSD	49.556	55.219	214.66	98.693	427.66	5.6048	16.486	30.690	39.530	9.7801	4.8764	47.196
#1	-.00194	.07303	-.00210	.00301	-.00001	.00021	.00936	.00034	-.00599	-.00104	.02759	.00208
#2	-.00403	.03202	.00043	.00054	.00002	.00023	.01183	.00022	-.00337	-.00091	.02956	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.01336**	**.02859**	**.00024**	**.00000**	**-.00005**	**-.00017**	**-.00005**	**.00671**	**.00038**	**.00268**	W **.00378**
Stddev	.00248	.00291	.00622	.00023	.00003	.00034	.00019	.00061	.02852	.00056	.00004	.00130
%RSD	346.19	21.750	21.750	92.838	712.11	652.73	115.00	1283.9	424.94	147.72	1.4998	34.498
#1	.00247	.01131	.02419	.00040	-.00002	-.00029	-.00030	-.00048	.02688	.00077	.00271	.00470
#2	-.00104	.01542	.03299	.00008	.00002	.00019	-.00003	.00038	-.01346	-.00002	.00265	.00286
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.5**	**112750.**	**6376.2**
Stddev	8.6	882.	34.4
%RSD	.10313	.78183	.53979
#1	8345.4	112130.	6400.5
#2	8357.6	113380.	6351.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 7:22:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	**.10831**	**.01515**	**.10010**	**.01051**	**.00098**	**.12799**	**.21204**	**.00514**	**.01067**	**.01041**	**.01616**	**.09737**	**3.2232**
Stddev	.00005	.00032	.00286	.00010	.00025	.00010	.00158	.00041	.00005	.00010	.00008	.00024	.00357	.0140
%RSD	.47437	.29577	18.870	.10053	2.3490	10.448	1.2317	.19218	.94895	.91793	.74097	1.5105	3.6632	.43287
#1	.01095	.10853	.01313	.10003	.01068	.00106	.12688	.21233	.00511	.01074	.01036	.01599	.09989	3.2330
#2	.01102	.10808	.01718	.10017	.01033	.00091	.12911	.21176	.00518	.01060	.01047	.01633	.09484	3.2133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01027**	**.21314**	**.01031**	**.02024**	**1.0800**	**.04282**	**2.9938**	**.00931**	**.02233**	**.00901**	**.01441**	**.46668**	**.99870**	**.10473**
Stddev	.00062	.00284	.00006	.00006	.0022	.00062	.0094	.00015	.00481	.00105	.00098	.01420	.03039	.00056
%RSD	6.0238	1.3321	.54816	.28656	.20327	1.4463	.31383	1.6195	21.552	11.686	6.8111	3.0425	3.0425	.53173
#1	.01071	.21515	.01027	.02020	1.0815	.04238	2.9871	.00942	.02573	.00976	.01510	.47672	1.0202	.10434
#2	.00983	.21113	.01035	.02028	1.0784	.04326	3.0004	.00921	.01892	.00827	.01371	.45664	.97721	.10513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01027**	**.01396**	**.00937**	**.01674**	**.07083**	**.00996**	**.02452**	**.01844**
Stddev	.00003	.00078	.00046	.00023	.03360	.00044	.00011	.00049
%RSD	.33954	5.5948	4.9312	1.3917	47.444	4.3933	.46293	2.6602
#1	.01029	.01341	.00970	.01657	.09459	.00965	.02444	.01809
#2	.01025	.01451	.00905	.01690	.04707	.01027	.02460	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8611.9**	**117140.**	**6577.7**
Stddev	24.2	113.	52.9
%RSD	.28076	.09619	.80352
#1	8594.8	117060.	6615.1
#2	8629.0	117220.	6540.3

Sample Name: lb 280-200079/1-b Acquired: 11/12/2013 7:24:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00061**	**.00172**	**.00959**	**.00403**	**-.00004**	**-.00136**	W **.19175**	**.00003**	**.00011**
Stddev	.00004	.00008	.00173	.00023	.00007	.00001	.00137	.00074	.00017	.00034
%RSD	7.5055	12.516	100.42	2.3797	1.6712	30.393	101.22	.38416	647.55	311.07
#1	.00049	-.00066	.00294	.00976	.00408	-.00003	-.00233	.19228	.00015	.00035
#2	.00045	-.00056	.00050	.00943	.00398	-.00005	-.00039	.19123	-.00009	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00314**	**.00220**	**.13274**	**-.00036**	**.01667**	**.00029**	**-.00006**	**336.80**	**.00064**
Stddev	.00009	.00001	.00167	.01671	.00062	.00115	.00010	.00001	.34	.00003
%RSD	99.306	.31193	75.934	12.592	173.87	6.9114	33.319	12.805	.09982	5.1471
#1	.00003	.00315	.00338	.12092	.00008	.01748	.00035	-.00005	336.56	.00066
#2	.00015	.00314	.00102	.14456	-.00079	.01585	.00022	-.00006	337.04	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**-.00004**	**.03408**	**-.00186**	**.00001**	**.02711**	**.05803**	**.00027**	**.00056**	**-.00208**
Stddev	.00175	.00029	.00132	.00022	.00133	.00424	.00907	.00021	.00001	.00029
%RSD	127.63	720.34	3.8857	11.924	9938.7	15.633	15.633	77.519	1.1513	13.761
#1	-.00013	.00017	.03502	-.00202	-.00093	.02412	.05161	.00012	.00055	-.00188
#2	-.00261	-.00025	.03315	-.00170	.00095	.03011	.06444	.00042	.00056	-.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00022**	**.02576**	**.00036**	**.00606**	**.00264**
Stddev	.00006	.00118	.01459	.00029	.00007	.00145
%RSD	278.76	535.08	56.649	82.699	1.1005	54.851
#1	-.00002	.00062	.01544	.00015	.00611	.00162
#2	.00007	-.00106	.03608	.00057	.00602	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8015.9**	**106050.**	**6554.0**
Stddev	61.1	7.	32.6
%RSD	.76241	.00705	.49677
#1	7972.7	106040.	6577.0
#2	8059.1	106060.	6530.9

Sample Name: lcs 280-200079/2-b Acquired: 11/12/2013 7:27:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22953	F .43425	.87596	F .22106	2.6218	.01013	.47644	10.404	.24167	.10573
Stddev	.00015	.00011	.00469	.00047	.0050	.00010	.00133	.003	.00030	.00054
%RSD	.06599	.02637	.53556	.21312	.19196	1.0344	.28007	.03260	.12353	.50746
#1	.22942	.43417	.87928	.22139	2.6253	.01005	.47549	10.407	.24146	.10611
#2	.22964	.43434	.87264	.22073	2.6182	.01020	.47738	10.402	.24188	.10535
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200		.22000						
Low Limit		.34400		.17800						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1233	.48825	F .23607	F 11.683	.21797	10.159	.10533	F .22250	F 345.26	.10764
Stddev	.0001	.00058	.00104	.020	.00132	.029	.00026	.00020	.12	.00043
%RSD	.00962	.11849	.43966	.17229	.60419	.28522	.25157	.09143	.03393	.39967
#1	1.1233	.48784	.23534	11.669	.21890	10.179	.10514	.22235	345.34	.10794
#2	1.1234	.48866	.23681	11.697	.21704	10.138	.10552	.22264	345.17	.10734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			.22800	11.000				.22000	11.200	
Low Limit			.17600	8.9000				.18000	9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.2448	F 1.1552	.03361	.10586	.65660	2.0637	F 4.4163	.42944	.21431	.21024
Stddev	.0008	.0019	.00217	.00185	.00170	.0229	.0491	.00028	.00115	.00148
%RSD	.03698	.16685	6.4505	1.7455	.25904	1.1112	1.1112	.06407	.53660	.70196
#1	2.2443	1.1565	.03208	.10716	.65540	2.0475	4.3816	.42924	.21513	.20919
#2	2.2454	1.1538	.03514	.10455	.65781	2.0799	4.4510	.42963	.21350	.21128
Check ?	Chk Fail	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2.2200	1.1550					4.9220			
Low Limit	1.8200	.99000					4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21210	.39672	F .48717	.10875	.55612	.10971
Stddev	.00004	.00241	.03378	.00006	.00201	.00005
%RSD	.02056	.60631	6.9330	.05521	.36166	.04556
#1	.21207	.39842	.46329	.10879	.55469	.10974
#2	.21214	.39502	.51105	.10871	.55754	.10967
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.46400			
Low Limit			.34000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8000.9	105320.	6532.2
Stddev	10.1	200.	9.6
%RSD	.12668	.18981	.14706
#1	7993.7	105180.	6539.0
#2	8008.0	105460.	6525.4

Sample Name: 280-48890-a-1-c Acquired: 11/12/2013 7:29:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.04798**	**.00030**	**.02059**	**.16767**	**.00002**	**.00196**	**82.487**	**.00512**	**.01082**
Stddev	.00035	.00002	.00020	.00006	.00096	.00001	.00123	.442	.00018	.00012
%RSD	757.38	.03867	68.531	.28118	.57284	60.251	62.626	.53549	3.4379	1.1073
#1	.00029	.04796	.00044	.02055	.16699	.00003	.00283	82.175	.00500	.01090
#2	-.00020	.04799	.00015	.02063	.16835	.00001	.00109	82.799	.00525	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01990**	**.16390**	**1.4235**	**.00882**	**2.7010**	**.46386**	**.00016**	**296.56**	**.01034**
Stddev	.00018	.00052	.00317	.0662	.00080	.0021	.00109	.00018	2.13	.00011
%RSD	37.354	2.6338	1.9317	4.6499	9.0395	.07812	.23403	109.82	.71754	1.0219
#1	.00061	.02027	.16166	1.3767	.00826	2.6995	.46309	.00029	295.06	.01042
#2	.00035	.01953	.16614	1.4703	.00939	2.7025	.46462	.00004	298.07	.01027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01941**	**-.00028**	**2.0808**	**-.00035**	**.00004**	**.92902**	**1.9881**	**.00048**	**.24644**	**-.00044**
Stddev	.00027	.00068	.0040	.00102	.00286	.00329	.0070	.00002	.00093	.00016
%RSD	1.3800	245.76	.19258	291.02	7944.0	.35438	.35438	4.6498	.37714	37.162
#1	.01960	-.00076	2.0836	.00037	-.00199	.92670	1.9831	.00047	.24578	-.00032
#2	.01922	.00020	2.0779	-.00107	.00206	.93135	1.9931	.00050	.24709	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00038**	**-.01587**	**.00052**	**.33147**	**.00193**
Stddev	.00008	.00125	.02908	.00036	.00012	.00060
%RSD	20.721	328.61	183.17	68.914	.03561	31.141
#1	-.00034	.00126	.00469	.00077	.33139	.00236
#2	-.00045	-.00050	-.03644	.00027	.33155	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8121.4**	**107560.**	**6689.8**
Stddev	11.0	455.	27.9
%RSD	.13511	.42266	.41660
#1	8129.2	107880.	6670.1
#2	8113.6	107240.	6709.5

Sample Name: 280-48927-a-1-b Acquired: 11/12/2013 7:31:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.50254**	**.00203**	**.00596**	**.07143**	**.00002**	**-.00145**	**3.7937**	**.00005**	**.00036**
Stddev	.00003	.00054	.00044	.00035	.00021	.00003	.00147	.0086	.00016	.00011
%RSD	23.405	.10747	21.651	5.7939	.28788	154.17	101.21	.22590	291.19	30.425
#1	.00011	.50293	.00235	.00572	.07128	.00005	-.00041	3.7876	.00017	.00028
#2	.00015	.50216	.00172	.00621	.07157	.00000	-.00249	3.7997	-.00006	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00405**	**.26084**	**.92766**	**.00435**	**1.1532**	**.00372**	**-.00013**	**324.80**	**.00099**
Stddev	.00011	.00008	.00059	.07615	.00010	.0053	.00001	.00002	1.50	.00004
%RSD	26.584	2.0087	.22549	8.2091	2.3865	.45663	.28024	16.745	.46138	3.5990
#1	.00048	.00411	.26042	.87381	.00442	1.1570	.00373	-.00012	323.74	.00097
#2	.00033	.00400	.26125	.98151	.00428	1.1495	.00371	-.00015	325.86	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14390**	**-.00062**	**.05710**	**-.00010**	**.00205**	**1.4882**	**3.1847**	**.00032**	**.02313**	**-.00090**
Stddev	.00068	.00031	.00183	.00152	.00083	.0086	.0183	.00052	.00009	.00232
%RSD	.47454	49.614	3.2103	1600.1	40.677	.57550	.57550	160.64	.40678	258.52
#1	.14438	-.00083	.05839	-.00117	.00263	1.4942	3.1976	.00069	.02306	.00074
#2	.14342	-.00040	.05580	.00098	.00146	1.4821	3.1717	-.00004	.02320	-.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01251**	**-.00072**	**.02478**	**.00099**	**.01408**	**.00299**
Stddev	.00023	.00118	.00507	.00015	.00044	.00130
%RSD	1.8686	163.27	20.443	15.133	3.1267	43.325
#1	.01234	.00011	.02836	.00110	.01377	.00391
#2	.01267	-.00156	.02120	.00089	.01439	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.4**	**109380.**	**6812.9**
Stddev	2.2	133.	105.1
%RSD	.02718	.12137	1.5428
#1	8201.0	109470.	6887.3
#2	8197.9	109280.	6738.6

Sample Name: 280-48927-a-2-b Acquired: 11/12/2013 7:34:25 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**1.5842**	**.00243**	**.01033**	**.10090**	**.00002**	**.00051**	**5.4656**	**.00016**	**.00021**
Stddev	.00021	.0018	.00090	.00007	.00010	.00003	.00167	.0362	.00017	.00011
%RSD	60.386	.11545	36.868	.65009	.10112	179.21	324.06	.66246	107.75	52.300
#1	.00020	1.5855	.00180	.01028	.10097	.00004	-.00066	5.4400	.00027	.00029
#2	.00049	1.5829	.00306	.01037	.10082	.00000	.00169	5.4912	.00004	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00592**	**.92848**	**1.3544**	**.00162**	**.54754**	**.01603**	**.00002**	**296.21**	**.00164**
Stddev	.00004	.00016	.01256	.0556	.00279	.00166	.00010	.00013	1.30	.00046
%RSD	3.6453	2.6358	1.3528	4.1078	172.59	.30310	.62697	711.23	.44007	28.331
#1	.00125	.00581	.91959	1.3150	.00359	.54637	.01596	.00011	295.29	.00131
#2	.00118	.00603	.93736	1.3937	-.00036	.54871	.01610	-.00008	297.13	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08966**	**.00095**	**.13361**	**-.00119**	**-.00064**	**3.6125**	**7.7307**	**.00107**	**.04745**	**-.00122**
Stddev	.00041	.00063	.00130	.00092	.00144	.0333	.0713	.00126	.00007	.00345
%RSD	.46100	66.036	.97340	76.692	225.99	.92201	.92201	118.02	.14634	283.88
#1	.08995	.00051	.13453	-.00055	.00038	3.5889	7.6803	.00196	.04740	-.00366
#2	.08936	.00139	.13269	-.00184	-.00166	3.6360	7.7811	.00018	.04750	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04547**	**-.00030**	**.00874**	**.00296**	**.01211**	**.00541**
Stddev	.00067	.00135	.00740	.00016	.00036	.00088
%RSD	1.4656	442.80	84.643	5.4659	2.9841	16.360
#1	.04500	.00065	.00351	.00284	.01185	.00603
#2	.04594	-.00126	.01398	.00307	.01237	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8355.2**	**109890.**	**6778.5**
Stddev	36.3	243.	3.9
%RSD	.43451	.22108	.05796
#1	8329.5	110070.	6781.3
#2	8380.8	109720.	6775.8

Sample Name: 280-48820-b-1-c Acquired: 11/12/2013 7:36:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01157**	**.00320**	**.09958**	**.46729**	**.00002**	**-.00152**	**10.416**	**.00373**	**.00154**
Stddev	.00001	.00015	.00029	.00056	.00131	.00007	.00031	.012	.00023	.00023
%RSD	4.8492	1.3322	8.9801	.56176	.27942	413.65	20.530	.11488	6.1257	15.104
#1	.00029	.01146	.00341	.09918	.46822	.00007	-.00130	10.424	.00389	.00137
#2	.00031	.01168	.00300	.09997	.46637	-.00003	-.00174	10.407	.00357	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00239**	**3.7177**	**2.8674**	**.10440**	**1.2749**	**.06307**	**.00358**	**148.32**	**.00839**
Stddev	.00002	.00001	.0039	.0611	.00180	.0012	.00006	.00004	.67	.00000
%RSD	1.8702	.43942	.10519	2.1298	1.7198	.09430	.09652	1.1941	.45215	.04339
#1	.00090	.00238	3.7205	2.9106	.10313	1.2740	.06311	.00355	148.79	.00840
#2	.00092	.00240	3.7150	2.8242	.10567	1.2757	.06302	.00361	147.84	.00839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03240**	**.00131**	**.78815**	**.00260**	**.00087**	**1.5747**	**3.3698**	**.00213**	**.10176**	**-.00218**
Stddev	.00002	.00000	.00366	.00072	.00263	.0039	.0084	.00062	.00051	.00003
%RSD	.05954	.26501	.46383	27.538	303.48	.25026	.25026	29.000	.49827	1.4340
#1	.03241	.00131	.78556	.00209	-.00099	1.5774	3.3757	.00170	.10212	-.00216
#2	.03239	.00131	.79073	.00311	.00273	1.5719	3.3638	.00257	.10140	-.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00133**	**.00988**	**.00087**	**.21575**	**.00354**
Stddev	.00003	.00075	.01916	.00023	.00131	.00114
%RSD	16.023	56.495	193.92	26.498	.60818	32.312
#1	-.00020	.00186	-.00367	.00103	.21482	.00273
#2	-.00016	.00080	.02343	.00071	.21668	.00435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8385.4**	**113780.**	**6876.1**
Stddev	4.8	326.	12.9
%RSD	.05753	.28629	.18784
#1	8388.8	114010.	6867.0
#2	8381.9	113550.	6885.3

Sample Name: CCVH-2372891 Acquired: 11/12/2013 7:39:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**50.628**	**.00153**	**.00035**	**-.00008**	**-.00011**	W **1.1029**	**.01886**	**-.00008**	**-.00034**	**-.00004**	**.01154**
Stddev	.00003	.149	.00049	.00006	.00057	.00003	.0068	.00243	.00000	.00010	.00004	.00054
%RSD	.43711	.29447	32.057	16.117	700.73	24.433	.61760	12.893	4.8962	29.653	117.31	4.7194
#1	.00795	50.733	.00118	.00031	.00032	-.00013	1.0981	.02058	-.00008	-.00041	-.00001	.01115
#2	.00800	50.522	.00188	.00039	-.00048	-.00009	1.1077	.01714	-.00009	-.00027	-.00007	.01192
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.997**	**.07352**	**.00011**	**.08418**	**.00078**	**-.00023**	W **275.24**	**-.00026**	**-.00177**	**-.00029**	**5.2167**	**.00073**
Stddev	.108	.05373	.00131	.00057	.00003	.00002	.42	.00012	.00070	.00044	.0176	.00254
%RSD	.22041	73.082	1233.8	.68021	3.6935	8.4836	.15094	45.071	39.266	149.94	.33816	349.96
#1	48.921	.03553	-.00082	.08459	.00080	-.00024	275.53	-.00018	-.00128	-.00060	5.2042	.00253
#2	49.073	.11151	.00104	.08378	.00076	-.00021	274.95	-.00034	-.00227	.00002	5.2292	-.00107
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00201**	**.01354**	**.02898**	**.00026**	**.00016**	**5.0783**	**-.01359**	**-.00017**	F **5.4941**	**.00128**	**.00207**	**.05939**
Stddev	.00064	.00103	.00220	.00037	.00010	.0026	.00008	.00118	.0302	.00032	.00011	.00025
%RSD	31.646	7.5776	7.5776	142.73	60.110	.05043	.57041	688.14	.54907	24.624	5.2221	.41702
#1	-.00246	.01282	.02743	.00000	.00023	5.0801	-.01354	-.00101	5.4728	.00106	.00199	.05957
#2	-.00156	.01427	.03053	.00052	.00009	5.0764	-.01365	.00066	5.5154	.00151	.00214	.05922
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8371.4**	**110060.**	**6695.4**
Stddev	29.8	196.	24.9
%RSD	.35637	.17776	.37261
#1	8350.3	109920.	6713.1
#2	8392.5	110200.	6677.8

Sample Name: CCV-2372889 Acquired: 11/12/2013 7:41:33 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50690**	**.53950**	**1.0151**	**.51457**	**.51080**	**.48431**	**-.00318**	**4.9135**	**.51230**	**.50837**	**.51380**	**.51344**	**2.3344**
Stddev	.00108	.00587	.0037	.00017	.00148	.00167	.00152	.0122	.00049	.00019	.00076	.00101	.0013
%RSD	.21335	1.0883	.36751	.03251	.29008	.34522	47.738	.24783	.09487	.03782	.14876	.19602	.05679
#1	.50613	.54365	1.0125	.51469	.51185	.48549	-.00426	4.9049	.51195	.50851	.51326	.51272	2.3335
#2	.50766	.53535	1.0177	.51446	.50975	.48313	-.00211	4.9221	.51264	.50824	.51434	.51415	2.3353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.346**	**1.0184**	**19.779**	**.49533**	**.52165**	**5.3238**	**.51569**	**1.0313**	**1.0392**	**.01940**	**1.0369**	**1.0301**	**4.6946**
Stddev	.131	.0010	.053	.00154	.00072	.0223	.00034	.0027	.0021	.00018	.0037	.0052	.0145
%RSD	.25014	.09330	.26966	.31171	.13838	.41901	.06686	.26384	.20010	.94303	.35279	.50146	.30806
#1	52.438	1.0177	19.816	.49642	.52114	5.3396	.51544	1.0294	1.0377	.01927	1.0395	1.0264	4.6844
#2	52.253	1.0191	19.741	.49424	.52216	5.3081	.51593	1.0333	1.0407	.01953	1.0343	1.0337	4.7049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.047**	**1.0334**	**.50678**	**-.00453**	**.49384**	**1.0418**	**.03855**	**.50131**	**.49850**	**.48924**
Stddev	.031	.0016	.00031	.00113	.00006	.0012	.02072	.00099	.00079	.00235
%RSD	.30806	.15654	.06031	25.016	.01265	.11759	53.756	.19713	.15757	.48123
#1	10.025	1.0346	.50700	-.00373	.49389	1.0409	.05320	.50061	.49905	.49090
#2	10.068	1.0323	.50657	-.00533	.49380	1.0427	.02390	.50200	.49794	.48757
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8661.9**	**117900.**	**7014.6**
Stddev	11.5	368.	27.7
%RSD	.13280	.31198	.39441
#1	8670.0	117640.	7034.1
#2	8653.8	118160.	6995.0

Sample Name: CCB Acquired: 11/12/2013 7:43:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00406**	**.00073**	**-.00072**	**-.00049**	**.00001**	**.00347**	**.00421**	**.00019**	**.00021**	**-.00005**	**-.00040**
Stddev	.00013	.00011	.00020	.00010	.00011	.00006	.00320	.00182	.00008	.00003	.00004	.00001
%RSD	17.216	2.6478	27.065	14.044	21.744	932.48	92.018	43.286	44.196	15.825	74.282	1.8354
#1	.00086	-.00413	.00059	-.00079	-.00056	-.00003	.00121	.00292	.00013	.00023	-.00008	-.00039
#2	.00067	-.00398	.00087	-.00065	-.00041	.00005	.00573	.00550	.00025	.00018	-.00003	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.08829**	**-.00173**	**-.00278**	**.00006**	**.00011**	**.05335**	**.00048**	**-.00551**	**-.00114**	**.02152**	W **.00326**
Stddev	.00160	.00712	.00118	.00011	.00002	.00009	.01204	.00007	.00001	.00052	.00084	.00110
%RSD	212.35	8.0668	68.196	4.0700	31.461	85.907	22.565	15.358	.19864	45.873	3.9096	33.843
#1	.00189	.09333	-.00090	-.00270	.00008	.00018	.06186	.00043	-.00552	-.00077	.02212	.00404
#2	-.00038	.08325	-.00256	-.00286	.00005	.00004	.04484	.00053	-.00550	-.00151	.02093	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.01788**	**.03825**	**.00036**	**.00002**	**.00033**	**-.00026**	**-.00018**	**.01109**	**.00007**	**.00301**	F **.00575**
Stddev	.00067	.00386	.00826	.00014	.00005	.00127	.00009	.00028	.02444	.00009	.00019	.00048
%RSD	3039.7	21.587	21.587	39.144	232.19	385.40	34.543	156.79	220.34	131.35	6.3512	8.3810
#1	.00049	.02060	.04409	.00026	-.00001	-.00057	-.00033	.00002	.02837	.00013	.00314	.00610
#2	-.00045	.01515	.03241	.00046	.00006	.00123	-.00020	-.00037	-.00619	.00000	.00287	.00541
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00476
Low Limit												-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8792.6**	**120140.**	**6901.8**
Stddev	24.4	434.	16.9
%RSD	.27794	.36146	.24466
#1	8775.3	119840.	6889.9
#2	8809.8	120450.	6913.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 7:46:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10831**	**.01621**	**.10188**	**.00974**	**.00093**	F **.13273**	**.20815**	**.00531**	**.01083**	**.01040**	**.01559**	**.09494**
Stddev	.00062	.00027	.00092	.00035	.00048	.00005	.00187	.00156	.00026	.00001	.00010	.00043	.00136
%RSD	5.5803	.25343	5.6448	.34816	4.9204	5.6742	1.4062	.75091	4.8729	.11397	.93835	2.7607	1.4371
#1	.01149	.10812	.01686	.10213	.01008	.00097	.13405	.20705	.00549	.01082	.01046	.01529	.09591
#2	.01062	.10850	.01557	.10163	.00940	.00089	.13141	.20926	.00513	.01084	.01033	.01590	.09398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1935**	**.00949**	**.20916**	**.01014**	**.02050**	**1.0967**	**.04310**	**3.0281**	**.00938**	**.01588**	F **.00684**	**.01563**	**.47615**
Stddev	.0496	.00145	.00050	.00010	.00005	.0021	.00009	.0024	.00069	.00054	.00138	.00276	.00058
%RSD	1.5537	15.267	.23853	.94555	.25114	.19142	.20738	.08018	7.3131	3.4056	20.148	17.633	.12173
#1	3.2286	.00846	.20880	.01021	.02053	1.0952	.04316	3.0298	.00890	.01626	.00586	.01368	.47574
#2	3.1584	.01051	.20951	.01007	.02046	1.0982	.04304	3.0264	.00987	.01550	.00781	.01758	.47656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**.10503**	**.01036**	**.01363**	**.00941**	**.01622**	F **.12580**	**.01049**	**.02360**	F **.01956**
Stddev	.0012	.00026	.00017	.00021	.00023	.00038	.00173	.00007	.00016	.00284
%RSD	.12173	.25107	1.6551	1.5592	2.4723	2.3572	1.3774	.67015	.66611	14.518
#1	1.0181	.10484	.01024	.01378	.00957	.01595	.12703	.01054	.02349	.02157
#2	1.0198	.10521	.01048	.01348	.00924	.01649	.12458	.01044	.02371	.01755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9133.2**	**124600.**	**7364.2**
Stddev	1.6	361.	6.2
%RSD	.01736	.28984	.08480
#1	9132.1	124860.	7359.8
#2	9134.3	124340.	7368.6

Sample Name: 280-48927-a-3-b Acquired: 11/12/2013 7:48:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.62724**	**.00377**	**.01321**	**.07324**	**.00004**	**.00000**	**3.6010**	**.00023**	**.00014**
Stddev	.00027	.00080	.00195	.00057	.00027	.00009	.0019	.0119	.00015	.00003
%RSD	38.944	.12753	51.684	4.2932	.37521	229.78	88603.	.33107	66.687	18.589
#1	.00088	.62781	.00514	.01361	.07305	-.00002	-.00137	3.5926	.00033	.00012
#2	.00050	.62668	.00239	.01281	.07344	.00010	.00137	3.6095	.00012	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00443**	**.33531**	**.83494**	**.00250**	**.53263**	**.00720**	**.00008**	**322.03**	**.00102**
Stddev	.00005	.00010	.00176	.01823	.00141	.00017	.00002	.00014	.76	.00029
%RSD	13.069	2.2323	.52586	2.1834	56.610	.03127	.28107	166.20	.23671	28.814
#1	.00038	.00436	.33406	.82205	.00350	.53251	.00718	.00018	322.56	.00123
#2	.00031	.00450	.33656	.84783	.00150	.53275	.00721	-.00001	321.49	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13211**	**-.00022**	**.11187**	**-.00126**	**.00076**	**1.6416**	**3.5130**	**.00120**	**.03349**	**-.00112**
Stddev	.00086	.00046	.00340	.00134	.00018	.0022	.0046	.00047	.00012	.00002
%RSD	.65186	205.04	3.0363	106.55	23.591	.13158	.13158	39.081	.34576	1.8368
#1	.13150	.00010	.11427	-.00031	.00064	1.6400	3.5097	.00087	.03341	-.00114
#2	.13271	-.00055	.10947	-.00220	.00089	1.6431	3.5162	.00153	.03357	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01906**	**-.00024**	**-.00954**	**.00092**	**.00612**	**.00329**
Stddev	.00057	.00065	.00206	.00031	.00001	.00077
%RSD	3.0100	273.09	21.551	33.266	.13519	23.331
#1	.01947	-.00069	-.00808	.00071	.00613	.00384
#2	.01866	.00022	-.01099	.00114	.00611	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8551.9**	**115720.**	**7261.7**
Stddev	24.4	445.	129.7
%RSD	.28582	.38417	1.7860
#1	8569.2	115410.	7170.0
#2	8534.6	116040.	7353.4

Sample Name: 280-48927-a-3-bSD@5 Acquired: 11/12/2013 7:50:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.15228**	**.00166**	**.00254**	**.01564**	**-.00005**	**-.00095**	**.77795**	**.00017**	**.00020**
Stddev	.00054	.00034	.00095	.00052	.00036	.00012	.00043	.01065	.00012	.00005
%RSD	484.45	.22222	57.272	20.521	2.2829	274.99	45.410	1.3692	70.592	22.561
#1	-.00027	.15252	.00099	.00217	.01589	-.00013	-.00125	.78548	.00009	.00023
#2	.00050	.15204	.00234	.00291	.01539	.00004	-.00064	.77042	.00026	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00130**	**.08167**	**.15850**	**.00019**	**.12103**	**.00179**	**-.00012**	**69.255**	**.00067**
Stddev	.00002	.00004	.00036	.00143	.00146	.00133	.00004	.00003	.697	.00022
%RSD	16.648	3.1869	.44268	.90260	786.79	1.0973	2.4482	21.941	1.0062	32.035
#1	.00014	.00127	.08193	.15749	-.00085	.12197	.00176	-.00010	69.748	.00083
#2	.00011	.00133	.08142	.15951	.00122	.12009	.00182	-.00014	68.763	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02322**	**-.00054**	**.04348**	**-.00067**	**.00114**	**.37173**	**.79549**	**.00240**	**.00708**	**-.00138**
Stddev	.00054	.00079	.00314	.00001	.00167	.00370	.00792	.00010	.00001	.00035
%RSD	2.3193	145.66	7.2214	1.3567	146.92	.99500	.99500	4.1328	.12609	25.179
#1	.02284	.00002	.04570	-.00067	.00232	.37434	.80109	.00247	.00708	-.00113
#2	.02360	-.00109	.04126	-.00068	-.00004	.36911	.78990	.00233	.00707	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**.00059**	**.03475**	**.00027**	**.01504**	**.00487**
Stddev	.00008	.00049	.03945	.00013	.00033	.00158
%RSD	2.3039	82.375	113.52	47.145	2.2260	32.392
#1	.00350	.00094	.00686	.00018	.01481	.00599
#2	.00362	.00025	.06265	.00037	.01528	.00375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8358.0**	**113450.**	**6765.8**
Stddev	12.8	131.	33.6
%RSD	.15285	.11509	.49625
#1	8367.1	113540.	6742.1
#2	8349.0	113360.	6789.6

Sample Name: 280-48927-a-3-c ms Acquired: 11/12/2013 7:53:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21151	.98510	.79797	.20709	2.4637	.00926	F .43605	12.792	.22042	.09541
Stddev	.00004	.00230	.00016	.00003	.0047	.00003	.00082	.029	.00002	.00005
%RSD	.02092	.23336	.02013	.01532	.18952	.36891	.18774	.22546	.00991	.05331
#1	.21154	.98348	.79785	.20707	2.4604	.00923	.43663	12.771	.22044	.09538
#2	.21148	.98673	.79808	.20711	2.4670	.00928	.43547	12.812	.22041	.09545
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0202	.44928	.50330	11.328	.20268	9.8682	.10324	.20170	316.04	.09796
Stddev	.0003	.00079	.00526	.020	.00320	.0266	.00009	.00034	.16	.00033
%RSD	.03100	.17537	1.0452	.18090	1.5769	.26954	.08680	.16660	.05055	.33851
#1	1.0200	.44872	.50702	11.314	.20494	9.8870	.10330	.20146	315.92	.09773
#2	1.0204	.44984	.49958	11.343	.20042	9.8494	.10317	.20194	316.15	.09820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1624	1.0445	.10534	.09398	.59190	3.3841	7.2420	.39103	.22759	.19484
Stddev	.0062	.0002	.00128	.00088	.00294	.0153	.0328	.00084	.00010	.00266
%RSD	.28435	.02316	1.2143	.93663	.49717	.45275	.45275	.21418	.04500	1.3658
#1	2.1667	1.0443	.10625	.09461	.59398	3.3949	7.2652	.39162	.22752	.19672
#2	2.1581	1.0446	.10444	.09336	.58982	3.3733	7.2188	.39044	.22766	.19296
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20902	.36220	.42327	.10183	.50882	.10011
Stddev	.00047	.00133	.02739	.00034	.00132	.00053
%RSD	.22382	.36747	6.4722	.33584	.26020	.52893
#1	.20935	.36314	.40390	.10207	.50975	.09973
#2	.20869	.36126	.44264	.10159	.50788	.10048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8151.6	107730.	6582.9
Stddev	16.5	257.	22.9
%RSD	.20198	.23832	.34738
#1	8163.3	107540.	6599.0
#2	8140.0	107910.	6566.7

Sample Name: 280-48927-a-3-d msd Acquired: 11/12/2013 7:55:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20607	.98000	.77777	.20328	2.4016	.00918	F .42775	12.483	.21596	.09378
Stddev	.00126	.00147	.00597	.00031	.0028	.00000	.00135	.005	.00033	.00053
%RSD	.61385	.14974	.76742	.15135	.11665	.03523	.31620	.04197	.15078	.56331
#1	.20697	.97897	.78200	.20350	2.4035	.00918	.42871	12.487	.21573	.09415
#2	.20518	.98104	.77355	.20306	2.3996	.00918	.42679	12.480	.21619	.09340
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0028	.43897	.49036	11.108	.19729	9.6574	.10070	.19895	308.45	.09655
Stddev	.0010	.00078	.00140	.011	.00146	.0014	.00004	.00141	.10	.00002
%RSD	.09854	.17826	.28636	.09955	.73766	.01501	.03857	.70983	.03237	.02463
#1	1.0021	.43842	.49135	11.116	.19627	9.6564	.10072	.19995	308.38	.09654
#2	1.0035	.43952	.48937	11.100	.19832	9.6584	.10067	.19796	308.52	.09657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1301	1.0315	.10417	.09122	.58375	3.3618	7.1943	.38655	.22247	.18937
Stddev	.0024	.0021	.00106	.00129	.00150	.0094	.0202	.00105	.00047	.00064
%RSD	.11287	.19886	1.0161	1.4102	.25646	.28034	.28034	.27039	.21006	.33653
#1	2.1318	1.0330	.10342	.09213	.58269	3.3685	7.2086	.38581	.22280	.18892
#2	2.1284	1.0301	.10492	.09031	.58481	3.3552	7.1801	.38729	.22214	.18982
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20489	.35602	.40747	.09874	.49601	.09704
Stddev	.00051	.00011	.01655	.00031	.00086	.00034
%RSD	.25071	.03123	4.0629	.31060	.17258	.35351
#1	.20525	.35610	.41917	.09895	.49661	.09729
#2	.20453	.35594	.39576	.09852	.49540	.09680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8052.6	106970.	6484.3
Stddev	14.0	70.	25.1
%RSD	.17376	.06533	.38784
#1	8062.5	106920.	6466.5
#2	8042.7	107020.	6502.1

Sample Name: 280-48927-a-3-bPDS Acquired: 11/12/2013 7:57:49 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04837**	**1.6146**	**.20893**	**.11048**	**.17343**	**.04907**	**-.00267**	**22.861**	**.05219**	**.05001**
Stddev	.00063	.0027	.00216	.00057	.00066	.00005	.00014	.022	.00037	.00015
%RSD	1.2935	.16455	1.0320	.51812	.37968	.10676	5.2787	.09504	.71252	.30272
#1	.04882	1.6127	.21045	.11008	.17296	.04910	-.00257	22.845	.05193	.04990
#2	.04793	1.6165	.20740	.11088	.17389	.04903	-.00277	22.876	.05246	.05012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**.05659**	**1.2650**	**22.630**	**.10614**	**19.983**	**.05686**	**.05072**	**334.49**	**.05110**
Stddev	.00035	.00013	.0039	.004	.00163	.003	.00017	.00011	.81	.00007
%RSD	.66629	.22825	.30943	.01560	1.5350	.01625	.29777	.21191	.24336	.14533
#1	.05155	.05668	1.2678	22.633	.10729	19.985	.05674	.05064	333.92	.05105
#2	.05204	.05650	1.2622	22.628	.10499	19.981	.05698	.05079	335.07	.05115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2791**	**.09794**	**.10645**	**.09551**	**.20385**	**6.2657**	**13.409**	**.10066**	**.08458**	**.20330**
Stddev	.0044	.00099	.00153	.00200	.00061	.0200	.043	.00115	.00021	.00045
%RSD	.19477	1.0115	1.4340	2.0953	.29882	.31880	.31880	1.1459	.25361	.22188
#1	2.2759	.09864	.10537	.09410	.20429	6.2516	13.378	.09984	.08443	.20362
#2	2.2822	.09724	.10753	.09693	.20342	6.2798	13.439	.10147	.08473	.20298
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06813**	**.18606**	**.56677**	**.05228**	**.21582**	**.05458**
Stddev	.00033	.00154	.00591	.00028	.00033	.00040
%RSD	.48647	.82639	1.0435	.53260	.15282	.72487
#1	.06837	.18497	.56259	.05248	.21605	.05430
#2	.06790	.18715	.57095	.05208	.21558	.05486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.2**	**108400.**	**6688.0**
Stddev	31.1	99.	.3
%RSD	.38206	.09157	.00422
#1	8156.2	108330.	6687.8
#2	8112.2	108470.	6688.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 8:00:08 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00778**	**50.551**	**.00106**	**-.00050**	**-.00007**	**-.00013**	F **1.1052**	**.02256**	**-.00013**	**-.00033**	**.00000**	**.01125**
Stddev	.00034	.069	.00124	.00002	.00028	.00003	.0035	.00062	.00014	.00018	.0001	.00061
%RSD	4.4123	.13609	116.95	3.3730	376.24	23.689	.31571	2.7329	110.16	53.800	15620.	5.4159
#1	.00803	50.600	.00018	-.00051	-.00027	-.00011	1.1027	.02300	-.00022	-.00021	-.00008	.01168
#2	.00754	50.503	.00193	-.00049	.00012	-.00016	1.1076	.02213	-.00003	-.00046	.00008	.01082
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.587**	**.12420**	**-.00135**	**.08422**	**.00063**	**-.00017**	W **275.39**	**.00010**	**-.00289**	**.00047**	**5.2214**	**-.00252**
Stddev	.185	.01762	.00173	.00062	.00007	.00002	1.21	.00032	.00094	.00041	.0075	.00028
%RSD	.37288	14.187	128.05	.73734	11.431	11.048	.44043	331.19	32.627	88.406	.14421	11.060
#1	49.717	.13666	-.00258	.08378	.00068	-.00018	276.25	.00032	-.00355	.00076	5.2161	-.00272
#2	49.456	.11174	-.00013	.08465	.00058	-.00015	274.54	-.00013	-.00222	.00017	5.2267	-.00232
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00545**	**.00961**	**.02056**	**-.00069**	**.00016**	**5.0505**	**-.01340**	**.00151**	F **5.4681**	**.00139**	**.00204**	**.06283**
Stddev	.00467	.01494	.03197	.00021	.00010	.0109	.00060	.00154	.0008	.00008	.00007	.00142
%RSD	85.562	155.51	155.51	29.609	59.852	.21504	4.4557	101.63	.01531	5.6230	3.6114	2.2543
#1	-.00215	-.00096	-.00205	-.00084	.00009	5.0582	-.01382	.00260	5.4687	.00145	.00199	.06383
#2	-.00875	.02017	.04316	-.00055	.00023	5.0428	-.01298	.00043	5.4675	.00134	.00209	.06182
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8264.5**	**108930.**	**6451.5**
Stddev	15.8	385.	19.2
%RSD	.19152	.35304	.29727
#1	8253.3	109210.	6465.0
#2	8275.7	108660.	6437.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 8:02:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50984**	**.54103**	**1.0216**	**.51376**	**.51134**	**.48391**	**-.00612**	**5.0109**	**.51159**	**.50852**	**.51542**	**.51071**	**2.3811**
Stddev	.00038	.00093	.0018	.00289	.00050	.00021	.00182	.0048	.00243	.00169	.00189	.00079	.0033
%RSD	.07405	.17105	.17219	.56193	.09861	.04425	29.717	.09557	.47508	.33297	.36746	.15460	.13999
#1	.51011	.54038	1.0204	.51172	.51099	.48376	-.00741	5.0143	.50987	.50732	.51408	.51127	2.3835
#2	.50957	.54169	1.0229	.51581	.51170	.48407	-.00483	5.0076	.51330	.50972	.51676	.51015	2.3788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.842**	**1.0309**	**20.219**	**.49881**	**.51981**	**5.3821**	**.51628**	**1.0217**	**1.0366**	**.01275**	**1.0305**	**1.0242**	**4.7972**
Stddev	.168	.0005	.069	.00060	.00124	.0037	.00114	.0031	.0007	.00037	.0089	.0101	.0305
%RSD	.31860	.05043	.34067	.12083	.23923	.06883	.22035	.30100	.06513	2.8686	.86453	.98253	.63649
#1	52.723	1.0313	20.267	.49924	.51893	5.3795	.51547	1.0195	1.0362	.01249	1.0242	1.0171	4.7756
#2	52.961	1.0305	20.170	.49839	.52069	5.3847	.51708	1.0238	1.0371	.01301	1.0368	1.0313	4.8188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.266**	**1.0450**	**.50847**	**-.00441**	**.49315**	**1.0396**	**.01337**	**.50197**	**.50759**	**.49500**
Stddev	.065	.0056	.00010	.00003	.00120	.0043	.02726	.00130	.00087	.00019
%RSD	.63649	.53098	.01994	.68542	.24376	.41334	203.91	.25873	.17099	.03871
#1	10.220	1.0411	.50855	-.00439	.49400	1.0365	.03265	.50289	.50821	.49487
#2	10.312	1.0490	.50840	-.00443	.49230	1.0426	-.00591	.50105	.50698	.49514
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8426.7**	**113690.**	**6629.1**
Stddev	43.6	174.	13.7
%RSD	.51689	.15275	.20602
#1	8457.5	113560.	6638.8
#2	8395.9	113810.	6619.5

Sample Name: CCB Acquired: 11/12/2013 8:04:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**-.00393**	**.00095**	**.00003**	**-.00023**	**.00010**	**-.00057**	**.00386**	**.00006**	**.00014**	**-.00008**	**.00016**
Stddev	.00013	.00006	.00044	.00056	.00009	.00008	.00092	.00202	.00010	.00014	.00005	.00015
%RSD	15.581	1.5033	46.676	1673.1	37.911	78.436	162.18	52.245	159.77	103.46	62.772	94.822
#1	.00077	-.00389	.00064	.00043	-.00029	.00015	-.00121	.00243	.00014	.00004	-.00004	.00005
#2	.00096	-.00397	.00126	-.00036	-.00016	.00004	.00008	.00528	-.00001	.00024	-.00011	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.02306**	**-.00150**	**.00130**	**.00005**	**.00008**	**.07834**	**.00050**	**-.00501**	**-.00021**	**.01396**	W **.00328**
Stddev	.00097	.00170	.00174	.00036	.00002	.00002	.00113	.00007	.00061	.00054	.00070	.00264
%RSD	187.60	7.3706	116.20	27.957	32.385	19.213	1.4448	13.131	12.226	252.94	4.9938	80.523
#1	.00017	.02426	-.00027	.00156	.00006	.00009	.07914	.00055	-.00544	-.00059	.01347	.00141
#2	-.00121	.02186	-.00273	.00104	.00004	.00007	.07754	.00045	-.00458	.00017	.01445	.00515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01443**	**.03088**	**.00046**	**.00019**	**.00006**	**-.00055**	**-.00035**	**-.02632**	**.00016**	**.00302**	**.00206**
Stddev	.00266	.00300	.00642	.00010	.00010	.00024	.00025	.00029	.02699	.00030	.00023	.00129
%RSD	941.95	20.804	20.804	22.963	53.526	396.92	45.214	82.996	102.54	191.75	7.5563	62.501
#1	.00216	.01231	.02634	.00038	.00026	.00023	-.00037	-.00014	-.04541	-.00006	.00318	.00298
#2	-.00160	.01655	.03542	.00053	.00012	-.00011	-.00073	-.00056	-.00724	.00037	.00286	.00115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8439.5**	**114850.**	**6485.2**
Stddev	29.2	261.	51.4
%RSD	.34626	.22697	.79251
#1	8460.2	114670.	6448.8
#2	8418.9	115030.	6521.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 8:06:57 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01127**	**.10971**	**.01632**	**.10081**	**.00999**	**.00098**	**.12950**	**.21093**	**.00528**	**.01080**	**.01040**	**.01605**	**.09779**
Stddev	.00007	.00119	.00073	.00044	.00005	.00009	.00028	.00046	.00003	.00003	.00002	.00030	.00102
%RSD	.66333	1.0851	4.4426	.43463	.53412	9.3925	.21886	.21972	.59276	.27211	.17433	1.8399	1.0445
#1	.01122	.11055	.01683	.10112	.00995	.00092	.12930	.21060	.00526	.01077	.01039	.01584	.09707
#2	.01133	.10887	.01581	.10050	.01003	.00105	.12970	.21126	.00531	.01082	.01042	.01626	.09851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2310**	**.00789**	**.21119**	**.01028**	**.02053**	**1.1190**	**.04307**	**3.0165**	**.00983**	**.01088**	**.00965**	**.01280**	**.48609**
Stddev	.0063	.00128	.00323	.00009	.00006	.0019	.00015	.0030	.00050	.00252	.00248	.00172	.00209
%RSD	.19627	16.245	1.5295	.90365	.26893	.16873	.34888	.09824	5.1182	23.139	25.731	13.433	.42902
#1	3.2354	.00880	.21348	.01034	.02057	1.1177	.04296	3.0186	.00948	.01266	.01141	.01159	.48757
#2	3.2265	.00698	.20891	.01021	.02049	1.1204	.04317	3.0144	.01019	.00910	.00790	.01402	.48462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0402**	**.10666**	**.01018**	**.01348**	**.00932**	**.01676**	F **.08587**	**.01016**	**.02443**	**.01876**
Stddev	.0045	.00005	.00002	.00023	.00005	.00049	.00843	.00019	.00028	.00058
%RSD	.42902	.04826	.17095	1.7132	.50825	2.9409	9.8136	1.8492	1.1539	3.0953
#1	1.0434	.10669	.01017	.01365	.00928	.01641	.07991	.01030	.02423	.01835
#2	1.0371	.10662	.01019	.01332	.00935	.01711	.09183	.01003	.02463	.01917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8707.3**	**118830.**	**6701.4**
Stddev	38.9	447.	4.8
%RSD	.44627	.37611	.07123
#1	8734.8	118510.	6704.8
#2	8679.8	119140.	6698.0

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ICP Data Review Checklist

TALS BATCH NUMBER: 200-[illegible]-200-[illegible], 200-[illegible], 200-[illegible]		Earliest due date: 11/13/13
Run Date: 11/11/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 6010C 6010C		

Review Items	Yes	No	NA	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL ((CLP)) or < 2.2x MDL 200.7)?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required ((CLP, DOD & AFCEE only))? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B: CLP = 90 - 110%; 200.7: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			—
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			—
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			—
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or ≤RL std work or ≤MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			—
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			—
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?))	✓			✓
4. All client/project specific requirements met?	✓			—
5. Date/time of analysis verified as correct?	✓			—
6. PDF attached, verified uncorrupted?	✓			—

Analyst: JKH Date: 11/12/13

Comments:

2nd Level Reviewer: [signature] Date: 11/13/13

Comments:

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ICP Data Review Checklist

TALS BATCH NUMBER: 201175 - 201181		Earliest due date: 11/15/13
Run Date: 11/4/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7	6010B	6010C

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL ((CLP)) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/15/13

Comments:

2nd Level Reviewer: Date: 11/20/13

Comments:

Sample Name: ICIS Acquired: 11/14/2013 14:26:29 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00215**	**.00064**	**-.01081**	**-.00006**	**.00095**	**.01135**	**.00194**	**-.00141**	**.00404**	**-.00038**	**.00002**	**-.00019**	**.00214**
Stddev	.00005	.00002	.00064	.00008	.00001	.00084	.00015	.00001	.00039	.00013	.00014	.00005	.00009
%RSD	2.3935	2.4523	5.8957	122.38	1.0213	7.4249	7.9890	.41151	9.6041	33.666	736.21	24.670	4.3656
#1	-.00211	.00065	-.01036	-.00012	.00094	.01075	.00205	-.00141	.00431	-.00029	.00012	-.00022	.00221
#2	-.00219	.00063	-.01126	-.00001	.00095	.01194	.00183	-.00141	.00376	-.00047	-.00008	-.00016	.00208

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00086**	**-.00036**	**-.00032**	**-.00468**	**-.00005**	**.00012**	**.00036**	**-.00650**	**-.01249**	**-.00093**	**.00004**	**.00055**	**-.00005**
Stddev	.00017	.00029	.00091	.00146	.00004	.00005	.00012	.00042	.00041	.00024	.00010	.00003	.00007
%RSD	19.999	78.992	281.52	31.131	81.619	45.680	32.940	6.4481	3.3010	26.024	258.09	5.2036	135.51
#1	.00098	-.00016	.00032	-.00571	-.00007	.00015	.00045	-.00679	-.01220	-.00110	-.00003	.00053	.00000
#2	.00074	-.00056	-.00097	-.00365	-.00002	.00008	.00028	-.00620	-.01278	-.00076	.00011	.00057	-.00010

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00057**	**.00026**	**.00056**	**.00056**	**.00030**	**-.00187**	**-.00046**	**-.00011**	**-.00036**	**-.00023**	**.00037**	**.00001**	**-.00190**
Stddev	.00010	.00005	.00032	.00032	.00006	.00037	.00012	.00000	.00006	.00020	.00010	.00000	.00070
%RSD	16.990	17.495	57.756	57.756	20.635	19.854	25.176	2.3932	15.388	85.153	27.467	12.679	36.894
#1	.00064	.00023	.00033	.00033	.00025	-.00214	-.00055	-.00011	-.00032	-.00037	.00030	.00001	-.00141
#2	.00051	.00029	.00078	.00078	.00034	-.00161	-.00038	-.00011	-.00040	-.00009	.00045	.00000	-.00240

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7051.5**	**82279.**	**6615.7**
Stddev	18.6	640.	49.5
%RSD	.26381	.77822	.74780
#1	7064.7	81827.	6650.7
#2	7038.4	82732.	6580.7

Sample Name: ICAL1 Acquired: 11/14/2013 14:28:50 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22598**	**.23487**	**.10455**	**.27323**	**5.1924**	**6.6808**	**1.7648**	**1.4108**	**.91144**	**.99104**	**.32701**	**.66229**	**4.7065**	**2.1121**
Stddev	.00014	.00015	.00010	.00022	.0010	.0019	.0020	.0002	.00090	.00142	.00110	.00156	.0023	.0023
%RSD	.06050	.06581	.09506	.07933	.01949	.02837	.11321	.01460	.09859	.14339	.33563	.23502	.04980	.10916
#1	.22589	.23498	.10462	.27339	5.1932	6.6794	1.7662	1.4106	.91207	.99204	.32624	.66339	4.7048	2.1138
#2	.22608	.23476	.10448	.27308	5.1917	6.6821	1.7634	1.4109	.91080	.99003	.32779	.66118	4.7082	2.1105

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.1437**	**1.3587**	**.58541**	**1.6528**	**.64901**	**.12278**	**.43638**	**.19165**	**.09691**	**.32718**	**.32718**	**.27413**	**8.9744**	**.33651**
Stddev	.0010	.0038	.00024	.0023	.00153	.00046	.00044	.00088	.00002	.00156	.00156	.00048	.0036	.00003
%RSD	.09182	.27710	.04134	.14066	.23562	.37189	.10167	.45842	.02267	.47727	.47727	.17642	.03994	.00946
#1	1.1445	1.3614	.58524	1.6545	.65009	.12310	.43670	.19228	.09690	.32607	.32607	.27447	8.9718	.33654
#2	1.1430	1.3561	.58559	1.6512	.64793	.12245	.43607	.19103	.09693	.32828	.32828	.27379	8.9769	.33649

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22707**	**.19962**	**.03615**	**.32907**
Stddev	.00040	.00086	.00002	.00013
%RSD	.17605	.43014	.04694	.04055
#1	.22735	.19902	.03616	.32916
#2	.22679	.20023	.03614	.32897

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.0**	**81256.**	**6539.4**
Stddev	7.8	52.	29.7
%RSD	.11103	.06458	.45386
#1	7027.5	81293.	6560.4
#2	7038.5	81219.	6518.4

Sample Name: ICAL2 Acquired: 11/14/2013 14:31:01 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.6344**	**.21818**	**.70586**	**2.8951**	**.37365**	**.52867**	**.08053**
Stddev	.0017	.00050	.00309	.0042	.00049	.00283	.00075
%RSD	.04719	.23042	.43840	.14433	.13173	.53589	.93107
#1	3.6332	.21783	.70367	2.8922	.37331	.52666	.08000
#2	3.6357	.21854	.70805	2.8981	.37400	.53067	.08106

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.2**	**78101.**	**6632.0**
Stddev	6.8	125.	6.7
%RSD	.09919	.16048	.10167
#1	6832.4	78189.	6627.2
#2	6842.0	78012.	6636.8

Sample Name: S1-2372886 Acquired: 11/14/2013 14:33:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0053**	**1.0032**	**1.9947**	**.99908**	**.99212**	**.99080**	**-.03164**	**9.8767**	**.98994**	**.99626**	**1.0011**	**.99803**	**4.9875**
Stddev	.0033	.0029	.0013	.00192	.00758	.00659	.00153	.0629	.00094	.00008	.0002	.00133	.0031
%RSD	.33140	.28719	.06333	.19203	.76390	.66489	4.8264	.63679	.09490	.00846	.02390	.13302	.06300
#1	1.0077	1.0053	1.9956	.99772	.98676	.98614	-.03272	9.8323	.98927	.99632	1.0013	.99897	4.9852
#2	1.0029	1.0012	1.9938	1.0004	.99748	.99546	-.03056	9.9212	.99060	.99620	1.0010	.99709	4.9897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**98.802**	**1.9704**	**39.869**	**.99315**	**.99802**	**10.164**	**10.450**	**1.0014**	**1.9929**	**1.9805**	**-.00480**	**1.9955**	**2.0033**
Stddev	.744	.0140	.051	.00254	.00001	.153	.116	.0003	.0126	.0005	.00021	.0097	.0096
%RSD	.75297	.70992	.12699	.25591	.00116	1.5100	1.1104	.03416	.62951	.02676	4.3120	.48443	.48087
#1	98.276	1.9605	39.905	.99494	.99802	10.056	10.532	1.0017	2.0017	1.9801	-.00465	2.0023	2.0101
#2	99.328	1.9803	39.833	.99135	.99803	10.273	10.368	1.0012	1.9840	1.9808	-.00494	1.9887	1.9965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9678**	**21.331**	**1.9944**	**.99141**	**.00057**	**.99718**	**1.9790**	**-.00128**	**.98921**	**.99791**	**1.0008**
Stddev	.1209	.259	.0085	.00776	.00229	.00057	.0053	.05074	.00099	.00096	.0093
%RSD	1.2129	1.2129	.42606	.78302	401.83	.05700	.26685	3978.9	.10003	.09579	.93254
#1	9.8823	21.148	2.0004	.98592	.00219	.99758	1.9827	-.03716	.98991	.99859	.99422
#2	10.053	21.514	1.9884	.99689	-.00105	.99678	1.9752	.03460	.98851	.99724	1.0074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.6**	**81124.**	**6709.1**
Stddev	13.3	487.	42.5
%RSD	.19140	.59996	.63334
#1	6979.1	81468.	6739.1
#2	6960.2	80780.	6679.0

Sample Name: S2-2372887 Acquired: 11/14/2013 14:35:35 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00508**	**100.49**	**.00060**	**.00653**	**.00127**	**.00023**	**1.9744**	**.03636**	**.00157**	**-.00166**	**.00068**	**-.00675**
Stddev	.00034	.38	.00207	.00047	.00015	.00006	.0100	.00471	.00028	.00016	.00004	.00082
%RSD	6.7432	.37534	345.38	7.1330	11.807	23.626	.50377	12.947	18.019	9.5867	5.6575	12.076
#1	-.00533	100.22	-.00086	.00686	.00137	.00027	1.9815	.03968	.00176	-.00154	.00070	-.00618
#2	-.00484	100.76	.00206	.00620	.00116	.00020	1.9674	.03303	.00137	-.00177	.00065	-.00733
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.01**	**.28673**	**.00553**	**.15680**	**-.00013**	**.00239**	**503.73**	**-.00183**	**.00904**	**-.00261**	**9.9601**	**.02208**
Stddev	.63	.03813	.00116	.00298	.00007	.00033	1.61	.00002	.00029	.00059	.0290	.00052
%RSD	.61929	13.298	21.006	1.9018	57.390	13.618	.32040	1.1336	3.2232	22.462	.29088	2.3624
#1	100.57	.31370	.00635	.15469	-.00008	.00262	502.59	-.00182	.00884	-.00303	9.9806	.02245
#2	101.45	.25977	.00471	.15891	-.00018	.00216	504.87	-.00185	.00925	-.00220	9.9396	.02171
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01297**	**.03740**	**.08004**	**.00056**	**.00066**	**9.9190**	**.01681**	**.00414**	**19.983**	**.00138**	**.00085**	**-.09944**
Stddev	.00209	.02177	.04659	.00019	.00012	.0134	.00007	.00053	.027	.00043	.00063	.00296
%RSD	16.118	58.208	58.208	32.919	17.743	.13526	.40578	12.805	.13640	31.136	74.028	2.9773
#1	-.01445	.05279	.11298	.00043	.00075	9.9095	.01686	.00377	19.964	.00107	.00130	-.09735
#2	-.01149	.02201	.04709	.00069	.00058	9.9285	.01676	.00452	20.002	.00168	.00041	-.10154
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.5**	**77279.**	**6552.5**
Stddev	29.8	388.	29.0
%RSD	.43811	.50259	.44244
#1	6780.4	77004.	6532.0
#2	6822.6	77554.	6573.0

Sample Name: ICVH-2380596 Acquired: 11/14/2013 14:37:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00298**	**39.406**	**-.00098**	**.00074**	**.00268**	**.00007**	W **.52912**	**.01094**	**.00078**	**.00056**	**.00084**	**-.00201**
Stddev	.00062	.241	.00322	.00004	.00034	.00007	.00065	.00069	.00003	.00008	.00004	.00043
%RSD	20.786	.61260	328.65	5.9487	12.550	89.994	.12300	6.2975	3.3703	13.849	4.2852	21.222
#1	-.00342	39.235	.00130	.00077	.00244	.00012	.52958	.01143	.00076	.00062	.00087	-.00170
#2	-.00254	39.577	-.00325	.00071	.00292	.00003	.52866	.01045	.00080	.00051	.00082	-.00231
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.092**	**.14511**	**-.00019**	**.04938**	**.00000**	**.00034**	**41.308**	**-.00045**	**.00163**	**-.00054**	**3.9345**	**.00405**
Stddev	.665	.00929	.00081	.00063	.0000	.00023	.416	.00040	.00103	.00215	.0136	.00040
%RSD	.82996	6.3988	439.48	1.2696	7972.0	65.839	1.0079	87.425	63.076	396.72	.34624	9.8270
#1	79.622	.15167	-.00076	.04894	.00003	.00018	41.014	-.00017	.00236	.00098	3.9249	.00377
#2	80.562	.13854	.00039	.04983	-.00003	.00050	41.602	-.00074	.00090	-.00207	3.9441	.00434
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00601**	**-.00917**	**-.01963**	**.00061**	**.00007**	**2.9192**	**.00560**	**.00149**	F **7.7736**	**-.00097**	**.00231**	**-.02873**
Stddev	.00054	.02156	.04614	.00003	.00001	.0002	.00042	.00089	.0192	.00046	.00033	.00310
%RSD	8.9208	235.02	235.02	4.8388	8.9756	.00826	7.5069	59.668	.24655	47.347	14.316	10.790
#1	-.00639	.00607	.01299	.00059	.00007	2.9194	.00530	.00212	7.7872	-.00129	.00208	-.02654
#2	-.00563	-.02442	-.05226	.00063	.00008	2.9191	.00589	.00086	7.7601	-.00064	.00254	-.03092
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									5.0000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7114.7**	**81308.**	**6661.8**
Stddev	4.2	204.	14.1
%RSD	.05953	.25093	.21155
#1	7111.7	81163.	6671.7
#2	7117.7	81452.	6651.8

Sample Name: ICV-2364198 Acquired: 11/14/2013 14:40:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25422**	**.25777**	**.24942**	**.25473**	**.24783**	**.23944**	**-.00237**	**1.9941**	**.24859**	**.24892**	**.25102**	**.24662**	**.26123**
Stddev	.00308	.00095	.00202	.00033	.00063	.00147	.00304	.0183	.00157	.00092	.00062	.00355	.00077
%RSD	1.2109	.36879	.80871	.13014	.25481	.61394	128.63	.91955	.63219	.37019	.24657	1.4379	.29596
#1	.25640	.25710	.25085	.25449	.24738	.23840	-.00452	1.9812	.24748	.24827	.25059	.24913	.26177
#2	.25205	.25845	.24799	.25496	.24828	.24048	-.00021	2.0071	.24970	.24958	.25146	.24412	.26068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.658**	**.24794**	**10.005**	**.24985**	**.24609**	**2.0448**	**.25418**	**1.9600**	**.24807**	**.00309**	**.24599**	**.51071**	**2.0181**
Stddev	.031	.00046	.113	.00318	.00029	.0115	.00121	.0050	.00244	.00103	.00270	.00097	.0269
%RSD	.15838	.18487	1.1286	1.2732	.11985	.56123	.47721	.25322	.98270	33.238	1.0994	.19025	1.3328
#1	19.636	.24826	10.084	.25210	.24630	2.0529	.25332	1.9565	.24635	.00236	.24408	.51140	1.9991
#2	19.680	.24762	9.9247	.24760	.24588	2.0367	.25504	1.9635	.24980	.00382	.24791	.51002	2.0371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3188**	**.49772**	**.24556**	**.00016**	**.24622**	**.50760**	**.01051**	**.24366**	**.25484**	**.24482**
Stddev	.0576	.00092	.00073	.00054	.00358	.00054	.02626	.00321	.00224	.00254
%RSD	1.3328	.18513	.29589	336.45	1.4547	.10597	249.75	1.3157	.87703	1.0395
#1	4.2781	.49706	.24504	.00055	.24875	.50798	.02908	.24593	.25642	.24302
#2	4.3595	.49837	.24607	-.00022	.24368	.50722	-.00805	.24140	.25326	.24662
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7182.3**	**81762.**	**6604.9**
Stddev	16.2	1336.	41.6
%RSD	.22510	1.6334	.62984
#1	7193.7	80817.	6575.5
#2	7170.9	82706.	6634.3

Sample Name: X Acquired: 11/14/2013 14:42:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00954**	**.10795**	**.01591**	**.09893**	**.01002**	**.00100**	**.11283**	**.21928**	**.00507**	**.01059**	**.01066**	**.01536**	**.10177**
Stddev	.00060	.00200	.00035	.00023	.00009	.00005	.00010	.00195	.00020	.00010	.00006	.00036	.00172
%RSD	6.2866	1.8552	2.2244	.23739	.94544	5.1321	.08717	.88755	3.9870	.98626	.55258	2.3264	1.6856
#1	.00997	.10936	.01616	.09910	.00995	.00096	.11276	.22066	.00521	.01051	.01070	.01511	.10056
#2	.00912	.10653	.01566	.09877	.01008	.00103	.11290	.21791	.00493	.01066	.01062	.01562	.10298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0596**	**.01176**	**.20896**	**.01034**	**.01995**	**1.1018**	**.04204**	**2.8620**	**.01012**	**.00254**	F **.01423**	**.01349**	**.50408**
Stddev	.0179	.00141	.00170	.00006	.00029	.0095	.00053	.0041	.00044	.00369	.00262	.00205	.00460
%RSD	.58518	12.029	.81140	.60125	1.4394	.85942	1.2675	.14180	4.3410	145.59	18.397	15.215	.91296
#1	3.0722	.01076	.20776	.01030	.01975	1.1085	.04166	2.8591	.00981	-.00007	.01238	.01495	.50083
#2	3.0469	.01276	.21016	.01038	.02015	1.0951	.04241	2.8648	.01043	.00515	.01608	.01204	.50733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0787**	**.10223**	**.01013**	**.01462**	**.01012**	**.01708**	**.07800**	**.01002**	**.02400**	**.01518**
Stddev	.0098	.00070	.00010	.00153	.00023	.00031	.03027	.00013	.00044	.00044
%RSD	.91296	.68885	1.0007	10.469	2.2431	1.8356	38.813	1.2903	1.8300	2.8950
#1	1.0718	.10273	.01020	.01570	.01028	.01686	.05659	.01011	.02369	.01549
#2	1.0857	.10173	.01006	.01354	.00996	.01730	.09940	.00993	.02431	.01487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7050.8**	**81695.**	**6571.8**
Stddev	13.2	46.	24.4
%RSD	.18685	.05678	.37139
#1	7041.4	81728.	6554.6
#2	7060.1	81663.	6589.1

Sample Name: ICVL2379751 Acquired: 11/14/2013 15:04:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.10529**	**.01448**	**.09941**	**.01049**	**.00089**	**.11144**	**.21135**	**.00496**	**.01014**	**.01025**	**.01510**	**.09989**
Stddev	.00012	.00057	.00088	.00042	.00017	.00005	.00192	.00057	.00013	.00008	.00028	.00059	.00221
%RSD	1.1756	.54340	6.0943	.42188	1.6274	5.5955	1.7264	.26812	2.6767	.81147	2.7294	3.8795	2.2092
#1	.01030	.10488	.01510	.09971	.01037	.00092	.11280	.21176	.00506	.01019	.01045	.01552	.10145
#2	.01013	.10569	.01385	.09912	.01061	.00085	.11008	.21095	.00487	.01008	.01005	.01469	.09833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9805**	**.01025**	**.20559**	**.01021**	**.02032**	**.99075**	**.04138**	**2.9570**	**.00885**	**-.00030**	**.00985**	**.01605**	**.50383**
Stddev	.0099	.00140	.00128	.00002	.00006	.00309	.00008	.0078	.00073	.00156	.00045	.00072	.01143
%RSD	.33220	13.655	.62421	.21346	.28087	.31144	.19450	.26342	8.2066	520.11	4.5853	4.4759	2.2685
#1	2.9735	.01124	.20650	.01020	.02028	.98857	.04143	2.9515	.00833	.00080	.01017	.01554	.51191
#2	2.9875	.00926	.20468	.01023	.02036	.99293	.04132	2.9625	.00936	-.00141	.00953	.01656	.49574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0782**	**.10627**	**.01004**	**.01431**	**.01031**	**.01626**	F **.10968**	**.00985**	**.02065**	**.01319**
Stddev	.0245	.00065	.00000	.00051	.00028	.00011	.00384	.00059	.00043	.00055
%RSD	2.2685	.61378	.00908	3.5802	2.6921	.68189	3.5031	5.9482	2.0922	4.1903
#1	1.0955	.10581	.01004	.01468	.01012	.01634	.11239	.01027	.02034	.01358
#2	1.0609	.10673	.01003	.01395	.01051	.01618	.10696	.00944	.02095	.01280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7062.6**	**82067.**	**6574.5**
Stddev	12.1	265.	63.7
%RSD	.17166	.32319	.96815
#1	7054.0	82255.	6619.5
#2	7071.2	81880.	6529.5

Sample Name: ICVL2379751 Acquired: 11/14/2013 15:07:05 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.10587**	**.01435**	**.10101**	**.01020**	**.00103**	**.11045**	**.21728**	**.00508**	**.01049**	**.01036**	**.01512**	**.10247**
Stddev	.00016	.00127	.00381	.00059	.00007	.00003	.00074	.00111	.00014	.00014	.00002	.00056	.00028
%RSD	1.5947	1.1981	26.583	.58398	.69115	3.2415	.67260	.51235	2.7589	1.3039	.18085	3.6884	.27807
#1	.00999	.10497	.01165	.10059	.01025	.00105	.10993	.21649	.00517	.01039	.01038	.01473	.10227
#2	.01022	.10676	.01705	.10143	.01015	.00100	.11098	.21807	.00498	.01059	.01035	.01552	.10267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0601**	**.01279**	**.20783**	**.01044**	**.02042**	**1.0311**	**.04188**	**2.9834**	**.00840**	**-.00114**	**.01182**	**.01306**	**.49704**
Stddev	.0308	.00178	.00030	.00010	.00014	.0024	.00031	.0056	.00088	.00028	.00035	.00156	.00733
%RSD	1.0080	13.907	.14378	.98920	.67313	.23588	.73277	.18665	10.513	24.816	2.9314	11.978	1.4739
#1	3.0383	.01405	.20762	.01036	.02033	1.0328	.04209	2.9795	.00778	-.00094	.01206	.01416	.50222
#2	3.0819	.01153	.20804	.01051	.02052	1.0294	.04166	2.9874	.00902	-.00134	.01157	.01195	.49186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0637**	**.10709**	**.01001**	**.01640**	**.00994**	**.01574**	F **.02374**	**.01036**	**.02138**	**.01474**
Stddev	.0157	.00039	.00001	.00004	.00026	.00021	.00039	.00024	.00030	.00058
%RSD	1.4739	.36884	.08868	.24779	2.6378	1.3172	1.6515	2.3651	1.4261	3.9655
#1	1.0747	.10737	.01002	.01637	.00976	.01560	.02401	.01053	.02117	.01433
#2	1.0526	.10681	.01001	.01643	.01013	.01589	.02346	.01019	.02160	.01516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.8**	**81165.**	**6501.0**
Stddev	5.7	23.	6.1
%RSD	.08009	.02870	.09427
#1	7061.8	81182.	6496.7
#2	7053.8	81149.	6505.4

Sample Name: CCVH-2372891 Acquired: 11/14/2013 15:16:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**50.033**	**-.00143**	**-.00026**	**.00039**	**-.00009**	**.98528**	**.01987**	**.00056**	**-.00073**	**.00020**	**-.00267**	**49.782**
Stddev	.00014	.063	.00011	.00039	.00001	.00006	.00584	.00112	.00018	.00022	.00007	.00041	.157
%RSD	7.4582	.12561	7.4676	150.67	3.7446	66.131	.59287	5.6561	32.109	30.163	35.585	15.479	.31449
#1	-.00194	49.988	-.00136	-.00054	.00040	-.00013	.98941	.01907	.00044	-.00088	.00015	-.00296	49.671
#2	-.00175	50.077	-.00151	.00002	.00038	-.00005	.98115	.02066	.00069	-.00057	.00025	-.00238	49.892
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06345**	**.00055**	**.07588**	**-.00010**	**.00027**	**249.04**	**-.00066**	**.00232**	**-.00135**	**4.8944**	**.00076**	**-.00475**	**-.01432**
Stddev	.00598	.00010	.00031	.00005	.00001	.32	.00011	.00158	.00045	.0060	.00026	.00031	.00005
%RSD	9.4183	18.166	.40342	47.680	3.7035	.12881	16.611	67.828	33.502	.12176	33.717	6.4712	.37626
#1	.06768	.00048	.07609	-.00014	.00026	248.81	-.00058	.00344	-.00167	4.8987	.00094	-.00453	-.01435
#2	.05923	.00062	.07566	-.00007	.00027	249.27	-.00073	.00121	-.00103	4.8902	.00058	-.00497	-.01428
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03063**	**-.00015**	**-.00002**	**4.9468**	**.00736**	**.00279**	F **7.5537**	**-.00006**	**.00129**	**-.05129**
Stddev	.00012	.00111	.00001	.0096	.00076	.00098	.1000	.00006	.00007	.00016
%RSD	.37626	740.56	34.907	.19436	10.389	35.207	1.3235	103.64	5.5053	.31552
#1	-.03072	-.00093	-.00001	4.9400	.00682	.00209	7.4830	-.00010	.00124	-.05141
#2	-.03055	.00063	-.00002	4.9536	.00790	.00348	7.6244	-.00002	.00134	-.05118
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.1**	**78773.**	**6454.2**
Stddev	17.8	120.	47.7
%RSD	.25774	.15260	.73914
#1	6906.5	78688.	6487.9
#2	6931.7	78858.	6420.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 15:18:24 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49133**	**.50635**	**.96232**	**.48375**	**.48774**	**.48109**	**-.01342**	**4.8817**	**.48569**	**.49486**	**.49590**	**.48871**	**2.4719**
Stddev	.00117	.00192	.00189	.00285	.00462	.00325	.00035	.0074	.00265	.00059	.00041	.00294	.0257
%RSD	.23774	.37958	.19681	.58847	.94656	.67528	2.6171	.15216	.54619	.11928	.08246	.60102	1.0381
#1	.49050	.50771	.96099	.48174	.48448	.47880	-.01367	4.8765	.48382	.49444	.49619	.48663	2.4538
#2	.49215	.50499	.96366	.48576	.49101	.48339	-.01317	4.8870	.48757	.49528	.49561	.49079	2.4901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.192**	**.96667**	**19.543**	**.49287**	**.49691**	**4.9555**	**.49654**	**.96323**	**.99174**	**-.00297**	**.98181**	**.96335**	**4.8559**
Stddev	.434	.00615	.035	.00025	.00073	.0380	.00041	.00139	.00325	.00072	.00190	.00688	.0690
%RSD	.90106	.63628	.17914	.05034	.14606	.76713	.08225	.14468	.32791	24.213	.19350	.71370	1.4204
#1	47.885	.96232	19.568	.49269	.49742	4.9286	.49683	.96421	.99404	-.00246	.98047	.95849	4.8072
#2	48.499	.97101	19.518	.49304	.49640	4.9823	.49626	.96224	.98945	-.00348	.98315	.96821	4.9047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.392**	**.98475**	**.48629**	**.00176**	**.48872**	**.99596**	**.00576**	**.48746**	**.49489**	**.48463**
Stddev	.148	.00138	.00508	.00177	.00052	.00034	.03950	.00044	.00020	.00509
%RSD	1.4204	.13983	1.0444	100.11	.10693	.03412	685.34	.09003	.04125	1.0506
#1	10.287	.98378	.48270	.00301	.48909	.99572	-.02217	.48777	.49504	.48103
#2	10.496	.98573	.48989	.00052	.48835	.99620	.03370	.48715	.49475	.48823
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7056.4**	**80339.**	**6558.8**
Stddev	59.9	529.	34.9
%RSD	.84873	.65843	.53266
#1	7014.1	79965.	6583.5
#2	7098.8	80713.	6534.1

Sample Name: X Acquired: 11/14/2013 15:20:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00127**	**-.00213**	**.00084**	**.00024**	**.00012**	**.00295**	**.00798**	**.00003**	**-.00005**	**.00005**	**.00000**
Stddev	.00022	.00094	.00048	.00007	.00037	.00006	.00134	.00370	.00004	.00010	.00002	.00021
%RSD	123.51	73.552	22.520	8.3707	150.67	53.933	45.529	46.380	115.07	185.87	34.579	8104.9
#1	.00033	.00193	-.00179	.00089	-.00002	.00007	.00200	.01060	.00006	.00002	.00004	-.00015
#2	.00002	.00061	-.00247	.00079	.00051	.00017	.00390	.00537	.00001	-.00012	.00007	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**.07594**	**.00050**	**.00226**	**.00005**	**.00035**	**.05391**	**-.00008**	**-.00186**	**.00074**	**-.00136**	W **.00528**
Stddev	.00237	.03168	.00005	.00010	.00002	.00005	.00082	.00016	.00021	.00084	.00027	.00001
%RSD	55.353	41.714	9.6627	4.5092	43.603	14.470	1.5252	206.37	11.468	113.77	20.052	.20966
#1	.00261	.09834	.00054	.00233	.00007	.00032	.05333	-.00019	-.00201	.00133	-.00117	.00529
#2	.00596	.05354	.00047	.00219	.00004	.00039	.05449	.00003	-.00171	.00014	-.00155	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00172**	**.00795**	**.01701**	**-.00017**	**.00002**	**.00188**	**.00032**	**.00077**	**-.01713**	**.00009**	**.00212**	**.00118**
Stddev	.00007	.02144	.04588	.00059	.00005	.00023	.00009	.00015	.00758	.00012	.00045	.00059
%RSD	4.1375	269.77	269.77	340.24	204.65	12.350	28.590	19.351	44.223	129.22	21.297	50.243
#1	-.00177	.02311	.04945	-.00059	.00006	.00171	.00038	.00066	-.02249	.00001	.00180	.00076
#2	-.00167	-.00721	-.01544	.00025	-.00001	.00204	.00025	.00088	-.01178	.00018	.00244	.00160
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7081.0**	**82043.**	**6553.1**
Stddev	14.7	624.	35.3
%RSD	.20794	.76025	.53840
#1	7091.4	82484.	6578.1
#2	7070.6	81602.	6528.2

Sample Name: ICB Acquired: 11/14/2013 15:24:13 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00037**	**.00003**	**-.00016**	**.00027**	**-.00003**	**.00377**	**.00181**	**-.00022**	**.00003**	**-.00012**	**-.00002**	**-.00145**
Stddev	.00042	.00004	.00006	.00012	.00043	.00005	.00120	.00303	.00008	.00003	.00007	.00007	.00050
%RSD	80.104	11.805	199.76	73.904	160.84	133.58	31.966	167.35	34.533	105.07	54.869	428.76	34.590
#1	-.00083	-.00034	.00008	-.00007	.00057	.00000	.00462	-.00033	-.00017	.00005	-.00017	.00003	-.00180
#2	-.00023	-.00040	-.00001	-.00024	-.00004	-.00007	.00292	.00395	-.00027	.00001	-.00007	-.00007	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00512**	**.00127**	**.00016**	**-.00001**	**-.00036**	**.00846**	**-.00002**	**.00230**	**-.00110**	**.00078**	**.00016**	**-.00067**	**-.00236**
Stddev	.07651	.00083	.00029	.00001	.00024	.00811	.00013	.00045	.00024	.00351	.00015	.00318	.00389
%RSD	1493.2	65.142	181.96	97.586	66.676	95.811	539.48	19.508	22.210	449.68	92.146	476.26	164.72
#1	.05922	.00068	.00037	.00000	-.00019	.00273	.00007	.00262	-.00127	.00326	.00006	-.00291	.00039
#2	-.04897	.00185	-.00005	-.00001	-.00054	.01420	-.00012	.00198	-.00093	-.00170	.00027	.00158	-.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00505**	**-.00050**	**-.00014**	**.00164**	**.00002**	**.00040**	**-.02345**	**-.00039**	**.00064**	**-.00010**
Stddev	.00832	.00041	.00007	.00157	.00049	.00098	.00377	.00002	.00047	.00191
%RSD	164.72	81.130	53.634	95.842	1983.0	243.14	16.071	6.2291	73.012	1826.2
#1	.00083	-.00079	-.00008	.00053	.00037	-.00029	-.02079	-.00037	.00097	.00125
#2	-.01094	-.00022	-.00019	.00276	-.00032	.00110	-.02612	-.00040	.00031	-.00146
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.9**	**82752.**	**6601.0**
Stddev	5.5	117.	104.3
%RSD	.07753	.14172	1.5800
#1	7102.8	82669.	6674.7
#2	7095.0	82835.	6527.2

Sample Name: CRI-2379747 Acquired: 11/14/2013 15:26:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.10228**	**.00886**	**.09474**	**.00501**	**.00099**	**.11006**	**.19861**	**.00470**	**.00508**	**.01011**	**.01028**
Stddev	.00040	.00089	.00234	.00135	.00021	.00006	.00076	.00537	.00031	.00024	.00006	.00114
%RSD	4.0348	.87453	26.426	1.4248	4.1875	6.3554	.68972	2.7063	6.6766	4.7317	.63444	11.077
#1	.00965	.10291	.01051	.09569	.00486	.00103	.11060	.20241	.00492	.00525	.01015	.01108
#2	.01022	.10164	.00720	.09378	.00516	.00094	.10953	.19481	.00448	.00491	.01006	.00947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02893**	**1.0066**	**.01063**	**.19614**	**.00306**	**.00954**	**.98009**	**.01019**	**.92434**	**.00265**	**.09324**	**.00849**
Stddev	.00064	.0197	.00289	.00669	.00002	.00010	.00493	.00009	.00778	.00053	.00076	.00023
%RSD	2.2123	1.9583	27.182	3.4114	.81408	1.0939	.50318	.86163	.84212	19.904	.81062	2.7328
#1	.02938	.99270	.00859	.19141	.00305	.00946	.98358	.01013	.92985	.00228	.09271	.00833
#2	.02847	1.0206	.01267	.20087	.00308	.00961	.97660	.01026	.91884	.00303	.09377	.00866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00635**	**.47639**	**1.0195**	**.01941**	**.00480**	W **.00509**	**.00983**	**.01178**	**.06409**	**.00915**	W **.01312**	**.00941**
Stddev	.00162	.00651	.0139	.00031	.00005	.00019	.00002	.00061	.00938	.00028	.00039	.00063
%RSD	25.496	1.3671	1.3671	1.6052	1.0561	3.7990	.17207	5.1915	14.636	3.0375	2.9656	6.6737
#1	.00521	.47179	1.0096	.01919	.00484	.00495	.00984	.01221	.05746	.00895	.01285	.00985
#2	.00750	.48100	1.0293	.01963	.00476	.00522	.00982	.01135	.07073	.00934	.01340	.00897
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value	.01000					.01000					.01000	
Range	-20.490%					-20.490%					20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7266.7**	**83234.**	**6632.4**
Stddev	16.2	743.	9.7
%RSD	.22290	.89293	.14563
#1	7255.2	83760.	6625.6
#2	7278.1	82709.	6639.3

Sample Name: CRI-2381867 Acquired: 11/14/2013 15:37:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.00027**	**.00076**	**-.00060**	**.00040**	**.00002**	**.00332**	**.00035**	**-.00023**	**-.00020**
Stddev	.00013	.00034	.00013	.00029	.00028	.00005	.00110	.00687	.00021	.00027
%RSD	40.295	125.69	17.325	49.009	69.200	278.23	33.212	1954.1	89.094	133.02
#1	-.00040	-.00051	.00067	-.00039	.00059	.00005	.00254	.00521	-.00038	-.00001
#2	-.00022	-.00003	.00086	-.00080	.00020	-.00002	.00410	-.00451	-.00009	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00022**	**.00059**	**.02191**	**.00089**	**.00194**	**.00002**	**-.00023**	**.01335**	**-.00014**
Stddev	.00001	.00069	.00168	.04250	.00236	.00169	.00003	.00011	.00060	.00001
%RSD	124.92	314.23	286.86	193.97	264.72	87.086	134.21	45.315	4.4684	7.8752
#1	.00000	.00027	-.00060	-.00814	.00256	.00074	.00005	-.00016	.01293	-.00013
#2	-.00001	-.00071	.00178	.05196	-.00078	.00313	.00000	-.00031	.01377	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00022**	**.00123**	**.00107**	**.01146**	**.01712**	**.03664**	**-.00059**	**-.00005**	**.00083**
Stddev	.00101	.00005	.00092	.00153	.00123	.01169	.02502	.00005	.00002	.00205
%RSD	124.97	20.490	74.604	143.24	10.722	68.289	68.289	8.0296	48.697	248.01
#1	-.00152	-.00019	.00188	-.00001	.01233	.00885	.01895	-.00056	-.00006	-.00062
#2	-.00009	-.00025	.00058	.00214	.01059	.02539	.05434	-.00063	-.00003	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00150**	**-.01417**	**.00022**	**.01979**	**.00012**
Stddev	.00008	.00049	.04008	.00045	.00075	.00088
%RSD	88.741	32.599	282.88	206.10	3.8072	719.37
#1	-.00003	.00115	.01417	-.00010	.01925	.00074
#2	-.00015	.00185	-.04251	.00053	.02032	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7108.9**	**82964.**	**6586.1**
Stddev	26.2	160.	15.2
%RSD	.36797	.19332	.23068
#1	7127.4	82851.	6575.4
#2	7090.4	83078.	6596.9

Sample Name: CRI-2381868 Acquired: 11/14/2013 15:55:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00032**	**-.00196**	**-.00095**	**.00019**	**-.00005**	**.00465**	**.00627**	**-.00010**	**-.00003**
Stddev	.00108	.00018	.00011	.00043	.00030	.00002	.00110	.00151	.00006	.00013
%RSD	2285.3	55.359	5.8174	44.959	162.66	41.183	23.676	24.073	60.904	449.29
#1	.00072	-.00045	-.00188	-.00065	.00040	-.00003	.00543	.00733	-.00006	.00006
#2	-.00081	-.00020	-.00204	-.00125	-.00003	-.00006	.00387	.00520	-.00015	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00023**	**.00074**	**.01573**	**.00288**	**-.00209**	**.00007**	**.00004**	**.01052**	**-.00003**
Stddev	.00008	.00017	.00112	.02258	.00015	.00186	.00004	.00002	.00381	.00005
%RSD	4915.5	72.168	151.48	143.58	5.0528	88.710	47.594	49.554	36.197	154.14
#1	-.00005	.00011	-.00005	-.00024	.00278	-.00078	.00005	.00003	.01321	.00000
#2	.00006	.00035	.00153	.03170	.00298	-.00341	.00010	.00006	.00783	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00032**	**-.00194**	**.00074**	**.02069**	**.00204**	**.00436**	**-.00080**	**-.00009**	**.00063**
Stddev	.00027	.00066	.00051	.00169	.00060	.01935	.04140	.00051	.00004	.00138
%RSD	466.21	206.77	26.540	229.21	2.8989	949.55	949.55	63.392	46.036	218.73
#1	-.00025	-.00079	-.00157	.00194	.02112	.01572	.03363	-.00044	-.00006	-.00035
#2	.00013	.00015	-.00230	-.00046	.02027	-.01164	-.02491	-.00116	-.00012	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00179**	**-.01232**	**-.00019**	**.00142**	**.00050**
Stddev	.00017	.00142	.05186	.00014	.00008	.00027
%RSD	107.61	79.723	420.84	70.397	5.4280	54.443
#1	-.00027	.00279	.02435	-.00010	.00137	.00031
#2	-.00004	.00078	-.04899	-.00029	.00148	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7145.1**	**83492.**	**6674.3**
Stddev	34.8	152.	90.8
%RSD	.48763	.18202	1.3606
#1	7120.4	83384.	6738.5
#2	7169.7	83599.	6610.1

Sample Name: ICSA-2341463 Acquired: 11/14/2013 15:59:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**496.16**	**-.00763**	**.00023**	**.00027**	**-.00007**	**-.00693**	**451.49**	W **.00191**	**-.00011**	W **.00285**
Stddev	.00008	.28	.00224	.00052	.00011	.00002	.00202	3.16	.00016	.00006	.00001
%RSD	19.008	.05575	29.318	224.86	41.458	27.795	29.161	.70011	8.4500	58.817	.48152
#1	.00037	495.97	-.00921	.00060	.00019	-.00006	-.00836	453.73	.00179	-.00006	.00286
#2	.00049	496.36	-.00605	-.00014	.00035	-.00009	-.00550	449.26	.00202	-.00015	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit									.00080		.00186
Low Limit									-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**183.56**	**.02629**	W **.00736**	**486.32**	W **.00076**	**.00012**	**.04451**	**-.00070**	**-.00323**	**.00426**
Stddev	.00017	.45	.03177	.00122	.86	.00001	.00033	.00958	.00017	.00125	.00058
%RSD	7.9919	.24730	120.84	16.544	.17762	1.7868	263.28	21.520	24.806	38.842	13.700
#1	.00206	183.88	.04875	.00650	486.93	.00077	-.00011	.03774	-.00058	-.00412	.00467
#2	.00231	183.24	.00383	.00822	485.71	.00075	.00036	.05128	-.00083	-.00234	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04620**	W **.00678**	**.00731**	W **.01265**	**.02708**	**.00185**	W **.01476**	**.00422**	**-.00099**	**-.00408**	**-.08598**
Stddev	.00116	.00172	.00020	.00893	.01911	.00019	.00003	.00147	.00011	.00084	.05335
%RSD	2.5155	25.394	2.7847	70.575	70.575	10.153	.17942	34.951	11.198	20.569	62.045
#1	-.04537	.00800	.00716	.00634	.01356	.00172	.01478	.00318	-.00107	-.00468	-.04826
#2	-.04702	.00556	.00745	.01897	.04059	.00198	.01474	.00526	-.00091	-.00349	-.12370
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628		.00694			.00050				
Low Limit		-.00628		-.06940			-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **-.00761**	**-.00151**	**-.00071**
Stddev	.00013	.00028	.00065
%RSD	1.7242	18.326	91.249
#1	-.00770	-.00132	-.00025
#2	-.00751	-.00171	-.00116
Check ?	Chk Warn	Chk Pass	Chk Pass
High Limit	.00222		
Low Limit	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6477.2**	**72083.**	**6587.1**
Stddev	6.7	116.	12.7
%RSD	.10308	.16058	.19300
#1	6472.5	72001.	6596.1
#2	6481.9	72164.	6578.1

Sample Name: ICSAB-2363707 Acquired: 11/14/2013 16:02:13 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0891**	**495.82**	**1.9756**	**1.8879**	**.49172**	**.47229**	**.95456**	**460.33**	**1.0030**	**.45724**	**.48380**	**.53364**	**183.21**
Stddev	.0003	2.40	.0021	.0062	.00212	.00119	.00093	13.76	.0018	.00000	.00039	.00156	.03
%RSD	.02604	.48350	.10690	.33077	.43175	.25142	.09734	2.9900	.18034	.00062	.08066	.29232	.01424
#1	1.0889	497.51	1.9741	1.8835	.49322	.47312	.95390	470.06	1.0017	.45724	.48408	.53254	183.23
#2	1.0893	494.12	1.9771	1.8923	.49021	.47145	.95521	450.60	1.0043	.45724	.48353	.53474	183.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.504**	**1.0379**	**486.72**	**.48867**	**.94747**	**51.436**	**.90242**	**1.9123**	**.89650**	**.92943**	**.99814**	**4.7524**	**9.5996**
Stddev	.301	.0020	2.72	.00045	.00161	.139	.00020	.0063	.00093	.00457	.00409	.0076	.0211
%RSD	.58381	.18841	.55920	.09280	.16944	.27008	.02214	.32868	.10393	.49154	.40997	.15904	.21948
#1	51.717	1.0393	484.80	.48899	.94861	51.338	.90256	1.9079	.89584	.93266	1.0010	4.7471	9.5847
#2	51.292	1.0366	488.64	.48835	.94634	51.534	.90228	1.9168	.89716	.92620	.99524	4.7578	9.6145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.543**	**8.8371**	**.98475**	**2.0205**	**.98014**	**8.1893**	**-.00583**	**.48499**	**.94331**	**.93376**
Stddev	.045	.0099	.00415	.0024	.00096	.0108	.01259	.00167	.00142	.00086
%RSD	.21948	.11168	.42184	.12026	.09760	.13189	215.82	.34342	.15003	.09158
#1	20.511	8.8440	.98768	2.0188	.98082	8.1970	.00307	.48381	.94431	.93315
#2	20.575	8.8301	.98181	2.0223	.97946	8.1817	-.01473	.48617	.94231	.93436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6502.0**	**72055.**	**6511.9**
Stddev	40.5	291.	38.8
%RSD	.62277	.40448	.59557
#1	6473.4	71849.	6484.5
#2	6530.6	72261.	6539.4

Sample Name: LRA-2305343 Acquired: 11/14/2013 16:04:31 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2848**	**.31012**	**9.9699**	**9.6336**	**12.163**	**.00027**	**-.36930**	**.05304**	**2.0091**	**4.9870**	**10.203**	**10.305**	R **505.26**
Stddev	.0106	.03459	.0464	.0069	.039	.00001	.00597	.01953	.0032	.0064	.010	.021	.15
%RSD	.82083	11.154	.46587	.07178	.31671	4.3140	1.6165	36.825	.16105	.12917	.09593	.20480	.02927
#1	1.2922	.28566	10.003	9.6384	12.190	.00026	-.37352	.06685	2.0114	4.9916	10.210	10.290	505.36
#2	1.2773	.33458	9.9370	9.6287	12.136	.00028	-.36507	.03923	2.0068	4.9825	10.197	10.320	505.15
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.10818**	**.00007**	**.06852**	**9.6543**	**5.0093**	**.02418**	**10.180**	**.00183**	**10.061**	**-.08363**	**-.11313**	**4.9249**	**48.154**
Stddev	.00349	.00097	.02752	.1438	.0105	.01482	.011	.00111	.021	.00240	.00096	.0153	.015
%RSD	3.2237	1437.5	40.157	1.4893	.20900	61.301	.10579	60.670	.21119	2.8716	.85290	.30981	.03159
#1	-.10571	-.00062	.08798	9.5526	5.0167	.03466	10.188	.00261	10.076	-.08533	-.11244	4.9141	48.144
#2	-.11064	.00075	.04906	9.7560	5.0019	.01370	10.172	.00104	10.046	-.08193	-.11381	4.9357	48.165
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**103.05**	**.01919**	**10.175**	**-.00635**	**9.9122**	**4.8608**	**-.00908**	**9.8729**	**9.6476**	**.00351**
Stddev	.03	.00028	.164	.00009	.0167	.0075	.03148	.0300	.0110	.00203
%RSD	.03159	1.4642	1.6124	1.4745	.16876	.15475	346.79	.30415	.11350	57.697
#1	103.03	.01899	10.059	-.00629	9.9004	4.8661	-.03134	9.8517	9.6398	.00495
#2	103.07	.01939	10.291	-.00642	9.9241	4.8554	.01318	9.8942	9.6553	.00208
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7002.9**	**81449.**	**6661.5**
Stddev	12.3	35.	45.5
%RSD	.17502	.04278	.68228
#1	6994.2	81424.	6693.7
#2	7011.6	81473.	6629.4

Sample Name: CCVH-2372891 Acquired: 11/14/2013 16:07:37 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**50.047**	**.00061**	**.02569**	**.00113**	**-.00002**	**1.0077**	**.02396**	**.00083**	**-.00040**	**.00126**	**-.00240**	**50.052**
Stddev	.00056	.189	.00119	.00367	.00005	.00004	.0017	.00326	.00042	.00055	.00093	.00040	.213
%RSD	22.371	.37828	193.28	14.283	4.6296	234.19	.17068	13.605	51.318	135.79	74.284	16.441	.42492
#1	-.00292	50.181	.00145	.02829	.00116	.00001	1.0064	.02166	.00113	-.00002	.00192	-.00212	49.902
#2	-.00212	49.913	-.00023	.02310	.00109	-.00005	1.0089	.02627	.00053	-.00079	.00060	-.00268	50.202
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06392**	**.00229**	**.08030**	**.00026**	**.00151**	**250.95**	**.00002**	**.00229**	**.00064**	**4.9719**	**.00192**	**-.00164**	**.02986**
Stddev	.01130	.00085	.00262	.00021	.00055	.49	.00094	.00032	.00033	.0048	.00137	.00113	.01841
%RSD	17.674	37.222	3.2638	84.165	36.484	.19505	5281.3	13.932	51.185	.09582	71.112	68.640	61.655
#1	.05593	.00289	.07844	.00041	.00190	251.29	.00068	.00252	.00041	4.9685	.00289	-.00244	.04287
#2	.07191	.00168	.08215	.00010	.00112	250.60	-.00065	.00207	.00087	4.9752	.00096	-.00085	.01684
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06389**	**.00001**	**.00049**	**4.9518**	**.00881**	**.00327**	F **7.7021**	**.00013**	**.00222**	**-.05000**
Stddev	.03939	.00029	.00012	.0089	.00001	.00085	.0777	.00002	.00038	.00045
%RSD	61.655	4451.8	25.349	.17924	.14600	25.943	1.0085	18.125	17.164	.90554
#1	.09175	.00021	.00058	4.9581	.00882	.00387	7.7570	.00012	.00249	-.05032
#2	.03604	-.00020	.00040	4.9455	.00880	.00267	7.6472	.00015	.00195	-.04968
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7023.4**	**79943.**	**6659.3**
Stddev	2.7	99.	17.3
%RSD	.03814	.12433	.25959
#1	7025.3	80013.	6671.6
#2	7021.5	79872.	6647.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 16:09:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49600**	**.51103**	**.98263**	**.50479**	**.49292**	**.48492**	**-.01405**	**4.8763**	**.48833**	**.49660**	**.50118**	**.49382**	**2.4967**
Stddev	.00284	.00010	.00098	.00078	.00001	.00145	.00311	.0180	.00087	.00005	.00118	.00130	.0059
%RSD	.57266	.01962	.09931	.15448	.00276	.29960	22.173	.36882	.17777	.01039	.23529	.26409	.23606
#1	.49399	.51096	.98332	.50535	.49291	.48594	-.01184	4.8890	.48771	.49664	.50201	.49289	2.5008
#2	.49801	.51110	.98194	.50424	.49293	.48389	-.01625	4.8635	.48894	.49657	.50034	.49474	2.4925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.405**	**.97070**	**19.511**	**.48853**	**.50390**	**4.9600**	**.50406**	**.98294**	**.98994**	**-.00488**	**.99106**	**.98358**	**4.9456**
Stddev	.014	.00106	.015	.00028	.00111	.0491	.00205	.00112	.00425	.00036	.00185	.00166	.0405
%RSD	.02971	.10897	.07858	.05771	.21979	.99059	.40655	.11423	.42896	7.3700	.18705	.16890	.81864
#1	48.415	.97145	19.522	.48873	.50469	4.9947	.50262	.98374	.99294	-.00513	.98975	.98240	4.9170
#2	48.395	.96995	19.500	.48833	.50312	4.9253	.50551	.98215	.98694	-.00463	.99237	.98475	4.9742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.584**	**.99561**	**.49001**	**-.00045**	**.49264**	**.99605**	**-.00955**	**.48452**	**.49097**	**.49045**
Stddev	.087	.00109	.00090	.00079	.00092	.00052	.04620	.00043	.00043	.00066
%RSD	.81864	.10969	.18345	174.25	.18602	.05255	483.95	.08894	.08783	.13363
#1	10.522	.99638	.49064	.00011	.49199	.99568	-.04221	.48422	.49066	.48999
#2	10.645	.99484	.48937	-.00102	.49329	.99642	.02312	.48483	.49127	.49091
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.5**	**81752.**	**6702.3**
Stddev	5.9	66.	5.2
%RSD	.08271	.08127	.07761
#1	7109.3	81799.	6706.0
#2	7117.6	81705.	6698.6

Sample Name: CCB Acquired: 11/14/2013 16:12:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00220**	**-.00180**	F **.00943**	**.00051**	**-.00002**	**.00372**	**.00347**	**.00000**	**.00007**	**.00007**	**.00042**
Stddev	.00029	.00089	.00200	.00110	.00039	.00009	.00048	.00246	.0001	.00005	.00008	.00021
%RSD	585.60	40.645	111.15	11.693	75.503	411.32	13.026	70.850	2586.2	61.696	127.40	49.878
#1	.00016	.00283	-.00038	.01021	.00024	-.00009	.00338	.00173	.00007	.00004	.00012	.00027
#2	-.00025	.00157	-.00321	.00865	.00079	.00004	.00406	.00521	-.00008	.00011	.00001	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.04749**	**.00253**	**.00815**	W **.00026**	**.00029**	**.02400**	**.00009**	**-.00056**	**-.00009**	**-.00134**	W **.00506**
Stddev	.00123	.01936	.00015	.00147	.00008	.00016	.01527	.00018	.00023	.00096	.00010	.00076
%RSD	21.071	40.769	5.7723	17.978	31.560	53.937	63.613	193.72	42.141	1121.0	7.3592	15.077
#1	.00497	.03380	.00263	.00919	.00032	.00018	.03480	.00022	-.00072	.00060	-.00141	.00452
#2	.00672	.06118	.00243	.00712	.00020	.00040	.01321	-.00003	-.00039	-.00077	-.00127	.00560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00025							.00314
Low Limit					-.00025							-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.01789**	**.03828**	**-.00027**	**.00004**	**.00241**	**.00039**	**.00174**	**-.02842**	**.00057**	**.00256**	**-.00033**
Stddev	.00247	.00394	.00842	.00035	.00003	.00065	.00008	.00111	.02274	.00022	.00003	.00096
%RSD	158.29	22.004	22.004	127.92	83.225	27.110	21.374	63.915	80.025	39.567	1.0865	295.89
#1	.00331	.02067	.04423	-.00052	.00002	.00195	.00033	.00252	-.04450	.00041	.00258	-.00101
#2	-.00019	.01510	.03232	-.00003	.00006	.00288	.00044	.00095	-.01234	.00073	.00254	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.8**	**82008.**	**6685.5**
Stddev	10.4	525.	68.0
%RSD	.14778	.63959	1.0178
#1	7046.4	82379.	6637.4
#2	7061.1	81637.	6733.6

Sample Name: CCVL2379751 Acquired: 11/14/2013 16:14:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.10867**	**.01537**	**.10478**	**.01023**	**.00102**	**.11441**	**.21856**	**.00504**	**.01038**	**.01055**	**.01508**	**.10601**	**2.9965**
Stddev	.00030	.00036	.00015	.00005	.00072	.00000	.00006	.00077	.00026	.00007	.00003	.00026	.00084	.0035
%RSD	3.0759	.33082	.98718	.04365	7.0501	.48054	.05086	.35035	5.1634	.62877	.25617	1.7279	.78776	.11564
#1	.00968	.10842	.01527	.10481	.01074	.00102	.11437	.21910	.00523	.01034	.01057	.01527	.10542	2.9990
#2	.01011	.10893	.01548	.10475	.00972	.00103	.11445	.21802	.00486	.01043	.01053	.01490	.10660	2.9941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.21392**	**.01036**	**.01980**	**1.0452**	**.04285**	**2.8847**	**.00941**	**.00059**	**.00980**	**.01783**	**.49134**	**1.0515**	**.10085**
Stddev	.00217	.00175	.00001	.00003	.0043	.00019	.0019	.00023	.00167	.00030	.00337	.02078	.0445	.00067
%RSD	20.433	.81635	.11113	.14689	.40660	.43716	.06763	2.4942	284.89	3.0956	18.910	4.2288	4.2288	.66289
#1	.00907	.21269	.01035	.01982	1.0422	.04298	2.8861	.00958	.00176	.01001	.02022	.47664	1.0200	.10133
#2	.01214	.21516	.01037	.01978	1.0482	.04272	2.8833	.00925	-.00059	.00958	.01545	.50603	1.0829	.10038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.01546**	**.01023**	**.01660**	**.05572**	**.01014**	**.02484**	**.01476**
Stddev	.00002	.00055	.00042	.00032	.03494	.00030	.00007	.00100
%RSD	.22864	3.5598	4.1316	1.9504	62.714	2.9742	.27160	6.7635
#1	.01009	.01585	.01053	.01683	.03101	.00992	.02479	.01405
#2	.01012	.01507	.00993	.01637	.08043	.01035	.02489	.01546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7145.9**	**82594.**	**6637.8**
Stddev	3.7	202.	24.8
%RSD	.05127	.24417	.37290
#1	7143.3	82451.	6620.3
#2	7148.5	82736.	6655.3

Sample Name: mb 280-198991/1-a Acquired: 11/14/2013 16:27:59 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00326**	**-.00068**	**-.00094**	**-.00081**	**-.00016**	**.00846**	**-.00193**	**-.00010**	**.00006**
Stddev	.00037	.00039	.00063	.00016	.00000	.00006	.00079	.00199	.00001	.00015
%RSD	65.142	11.827	92.897	16.462	.01295	37.829	9.2884	103.27	6.4061	256.37
#1	-.00084	.00353	-.00112	-.00105	-.00081	-.00020	.00790	-.00333	-.00011	-.00005
#2	-.00031	.00299	-.00023	-.00083	-.00081	-.00012	.00901	-.00052	-.00010	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00273**	**-.00312**	**.00365**	**.00238**	**.00432**	**.00007**	**-.00019**	**-.00609**	**.00062**
Stddev	.00004	.00018	.00033	.01322	.00073	.00084	.00006	.00016	.00360	.00004
%RSD	21.439	6.4896	10.493	362.31	30.875	19.479	85.709	86.121	59.202	6.8291
#1	.00021	-.00286	-.00335	.01299	.00290	.00372	.00003	-.00007	-.00864	.00059
#2	.00015	-.00261	-.00289	-.00570	.00186	.00491	.00011	-.00030	-.00354	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00002**	**-.00063**	**-.00154**	**-.00196**	**-.00430**	**-.00920**	**-.00114**	**-.00014**	W **.00557**
Stddev	.00084	.00006	.00106	.00013	.00102	.00449	.00961	.00019	.00002	.00061
%RSD	218.35	348.00	167.86	8.1172	51.881	104.49	104.49	16.258	12.480	10.910
#1	-.00098	-.00006	-.00138	-.00163	-.00124	-.00748	-.01600	-.00128	-.00012	.00514
#2	.00021	.00003	.00012	-.00146	-.00268	-.00112	-.00240	-.00101	-.00015	.00600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00500
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00225**	**-.01571**	**-.00073**	**.00033**	**.00177**
Stddev	.00001	.00002	.01809	.00016	.00000	.00136
%RSD	3.4290	.85167	115.20	21.842	.93867	76.510
#1	.00016	.00227	-.00291	-.00062	.00033	.00273
#2	.00015	.00224	-.02850	-.00085	.00033	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**12371.**	**136780.**	**12391.**
Stddev	100.	1135.	1165.
%RSD	.80876	.82941	9.3996
#1	12300.	137590.	13215.
#2	12442.	135980.	11567.

Sample Name: lcs 280-198991/2-a Acquired: 11/14/2013 16:30:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05078**	**1.9904**	**1.0081**	**1.0065**	**2.0346**	**.04990**	**2.0792**	**49.093**	**.10171**	**.50052**
Stddev	.00048	.0131	.0003	.0026	.0080	.00020	.0107	.189	.00035	.00004
%RSD	.94116	.65975	.02863	.25784	.39329	.40839	.51394	.38420	.34795	.00821
#1	.05044	1.9811	1.0083	1.0047	2.0403	.05004	2.0867	49.226	.10196	.50055
#2	.05112	1.9997	1.0079	1.0083	2.0290	.04975	2.0716	48.959	.10146	.50049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20805**	**.25508**	**1.0142**	**50.480**	**1.0157**	**50.346**	**.50047**	**1.0231**	**52.347**	**.50579**
Stddev	.00014	.00045	.0047	.394	.0056	.124	.00099	.0010	.876	.00102
%RSD	.06855	.17557	.45901	.78147	.55664	.24596	.19719	.10055	1.6737	.20079
#1	.20795	.25540	1.0175	50.759	1.0197	50.434	.50117	1.0224	52.966	.50507
#2	.20815	.25477	1.0109	50.201	1.0117	50.259	.49977	1.0238	51.727	.50651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.250**	**.49264**	**-.00713**	**.50120**	**2.0084**	**10.063**	**21.535**	**2.0091**	**1.0122**	**1.0173**
Stddev	.031	.00039	.00308	.00091	.0098	.000	.001	.0030	.0031	.0024
%RSD	.30650	.07890	43.194	.18116	.48647	.00390	.00390	.14831	.30618	.23166
#1	10.228	.49291	-.00495	.50184	2.0153	10.063	21.535	2.0112	1.0144	1.0190
#2	10.272	.49236	-.00931	.50056	2.0015	10.063	21.534	2.0070	1.0100	1.0157
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0104**	**1.9606**	F **3.2140**	**.50751**	**.49817**	**.49095**
Stddev	.0022	.0069	.0557	.00033	.00055	.00293
%RSD	.21760	.35126	1.7340	.06465	.11055	.59732
#1	1.0119	1.9655	3.1746	.50728	.49856	.49302
#2	1.0088	1.9557	3.2534	.50774	.49778	.48887
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6869.8**	**79427.**	**6602.0**
Stddev	.4	223.	60.8
%RSD	.00552	.28040	.92088
#1	6870.1	79269.	6559.0
#2	6869.6	79584.	6645.0

Sample Name: 280-48662-e-4-a@10 Acquired: 11/14/2013 16:32:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00776**	**-.00051**	**.05860**	**.00225**	**.00005**	**.00283**	**7.7861**	**-.00022**	**-.00017**
Stddev	.00062	.00014	.00003	.00023	.00034	.00006	.00114	.0133	.00007	.00008
%RSD	319.07	1.7867	5.2889	.39267	14.957	117.56	40.310	.17083	30.033	47.339
#1	.00024	.00785	-.00053	.05877	.00249	.00009	.00203	7.7767	-.00017	-.00011
#2	-.00063	.00766	-.00049	.05844	.00202	.00001	.00364	7.7955	-.00027	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00066**	**.01497**	**.16147**	**.01271**	**1.6991**	**.00085**	**.00085**	**53.155**	**.00020**
Stddev	.00005	.00073	.00107	.01317	.00236	.0067	.00001	.00008	.036	.00011
%RSD	45.132	110.85	7.1690	8.1581	18.561	.39490	.84764	9.0790	.06773	53.438
#1	.00008	.00117	.01573	.15215	.01104	1.7039	.00084	.00090	53.129	.00012
#2	.00015	.00014	.01421	.17078	.01438	1.6944	.00085	.00079	53.180	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**-.00003**	**24.559**	**.00133**	**-.00071**	**.37788**	**.80867**	**.00162**	**.47777**	**.00172**
Stddev	.00049	.00055	.097	.00014	.00030	.01697	.03631	.00010	.00255	.00274
%RSD	17.103	1927.8	.39440	10.724	41.943	4.4903	4.4903	5.9970	.53460	159.90
#1	.00318	.00036	24.628	.00143	-.00050	.36588	.78299	.00169	.47597	-.00022
#2	.00250	-.00042	24.491	.00123	-.00092	.38988	.83435	.00155	.47958	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00219**	**-.04217**	**.00096**	**.00679**	**-.00010**
Stddev	.00053	.00003	.04863	.00026	.00011	.00008
%RSD	349.23	1.5775	115.31	26.700	1.5539	85.851
#1	-.00022	.00217	-.00779	.00114	.00686	-.00016
#2	.00053	.00222	-.07656	.00078	.00671	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6946.7**	**79430.**	**6492.9**
Stddev	19.1	302.	27.9
%RSD	.27469	.38064	.42932
#1	6933.2	79216.	6512.6
#2	6960.2	79644.	6473.2

Sample Name: 280-48662-e-4-aSD@50 Acquired: 11/14/2013 16:34:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00978**	**-.00154**	**.01192**	**.00039**	**.00003**	**.00503**	**1.5837**	**-.00020**	**-.00015**
Stddev	.00001	.00004	.00086	.00030	.00003	.00010	.00091	.0076	.00015	.00026
%RSD	10.060	.36557	55.770	2.4821	7.5612	296.62	18.204	.48306	74.668	169.58
#1	-.00014	.00980	-.00093	.01171	.00041	-.00004	.00438	1.5891	-.00009	.00003
#2	-.00012	.00975	-.00214	.01213	.00037	.00011	.00567	1.5783	-.00030	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00012**	**.01134**	**.03151**	**.00367**	**.34433**	**.00029**	**-.00008**	**10.274**	**11.023**
Stddev	.00015	.00012	.00213	.01158	.00095	.00443	.00003	.00018	.035	.353
%RSD	106.83	94.785	18.751	36.748	25.962	1.2864	8.9385	239.58	.34118	3.2047
#1	-.00004	-.00004	.00984	.02332	.00434	.34120	.00027	.00005	10.299	11.272
#2	-.00025	-.00021	.01285	.03969	.00300	.34746	.00031	-.00021	10.249	10.773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00124**	**-.00049**	**4.8180**	**.00020**	**.00195**	**.07697**	**.16472**	**.00172**	**.09641**
Stddev	.00013	.00033	.00028	.0109	.00080	.00013	.02326	.04977	.00021	.00155
%RSD	114.20	26.349	57.344	.22577	404.02	6.5619	30.217	30.217	12.350	1.6042
#1	.00021	.00101	-.00069	4.8103	-.00037	.00204	.06053	.12953	.00157	.09750
#2	.00002	.00147	-.00029	4.8257	.00076	.00186	.09342	.19992	.00187	.09532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00011**	**.00018**	W **-.05172**	**.00030**	**.00540**	**.00017**
Stddev	.00039	.00004	.00068	.01006	.00012	.00019	.00089
%RSD	25.125	39.780	378.12	19.451	37.824	3.5852	517.93
#1	.00128	-.00014	-.00030	-.04461	.00022	.00553	.00080
#2	.00183	-.00008	.00066	-.05884	.00039	.00526	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7029.0**	**81036.**	**6503.8**
Stddev	10.1	157.	5.5
%RSD	.14429	.19404	.08444
#1	7021.8	81147.	6499.9
#2	7036.2	80924.	6507.7

Sample Name: 48662-e-4-b ms@10 Acquired: 11/14/2013 16:37:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**.22063**	**.10184**	**.15736**	**.20520**	**.00495**	F **.21851**	**12.489**	**.01017**	**.05203**
Stddev	.00017	.00142	.00185	.00138	.00092	.00010	.00255	.029	.00000	.00021
%RSD	3.6634	.64146	1.8123	.87931	.44769	2.0052	1.1654	.23429	.03044	.40905
#1	.00488	.22163	.10315	.15639	.20455	.00488	.22031	12.469	.01017	.05188
#2	.00463	.21963	.10054	.15834	.20585	.00502	.21671	12.510	.01017	.05218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02121**	**.02579**	**.11574**	**5.1790**	**.11069**	**6.6287**	**.05172**	**.10575**	**56.694**	**.05302**
Stddev	.00001	.00049	.00090	.0969	.00232	.0064	.00015	.00020	.421	.00044
%RSD	.06054	1.9082	.78121	1.8719	2.0973	.09688	.29960	.18784	.74336	.82396
#1	.02122	.02614	.11510	5.1104	.11233	6.6332	.05183	.10589	56.396	.05333
#2	.02121	.02544	.11638	5.2475	.10905	6.6242	.05161	.10561	56.992	.05271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0615**	**.05005**	**23.987**	**.05258**	**.20642**	**1.3685**	**2.9286**	**.21020**	**.56633**	**.10040**
Stddev	.0014	.00027	.088	.00205	.00110	.0257	.0550	.00131	.00097	.00189
%RSD	.13414	.53602	.36696	3.8933	.53490	1.8783	1.8783	.62268	.17214	1.8783
#1	1.0604	.05024	24.049	.05403	.20564	1.3503	2.8897	.21112	.56564	.10173
#2	1.0625	.04986	23.924	.05113	.20720	1.3867	2.9675	.20927	.56702	.09906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10120**	**.20468**	**.30643**	**.05164**	**.05767**	**.04788**
Stddev	.00027	.00281	.01225	.00025	.00011	.00110
%RSD	.26921	1.3739	3.9968	.49346	.19369	2.2884
#1	.10139	.20667	.29777	.05182	.05760	.04866
#2	.10100	.20269	.31509	.05146	.05775	.04711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6908.0**	**80108.**	**6476.4**
Stddev	2.3	129.	27.7
%RSD	.03306	.16126	.42734
#1	6909.6	80200.	6496.0
#2	6906.3	80017.	6456.8

Sample Name: 48662-e-4-c msd@10 Acquired: 11/14/2013 16:39:28 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**.21745**	**.10110**	**.15607**	**.20259**	**.00490**	F **.21257**	**12.378**	**.01023**	**.05131**
Stddev	.00010	.00023	.00158	.00028	.00274	.00001	.00128	.148	.00019	.00005
%RSD	1.9919	.10634	1.5595	.17971	1.3524	.24406	.60449	1.1986	1.8535	.10046
#1	.00521	.21761	.09999	.15627	.20453	.00489	.21347	12.483	.01036	.05128
#2	.00507	.21729	.10221	.15588	.20065	.00491	.21166	12.273	.01010	.05135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02100**	**.02534**	**.11549**	**5.1082**	**.11079**	**6.6424**	**.05155**	**.10441**	**57.141**	**.05263**
Stddev	.00003	.00019	.00205	.1342	.00072	.0128	.00006	.00017	.343	.00036
%RSD	.14094	.76522	1.7750	2.6264	.64731	.19273	.11691	.16407	.60025	.68550
#1	.02098	.02548	.11404	5.2031	.11028	6.6514	.05150	.10428	57.384	.05289
#2	.02102	.02521	.11693	5.0134	.11130	6.6333	.05159	.10453	56.899	.05238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0466**	**.05062**	**23.920**	**.04909**	**.20375**	**1.3799**	**2.9530**	**.20740**	**.56297**	**.10134**
Stddev	.0017	.00052	.010	.00112	.00122	.0049	.0104	.00109	.00512	.00013
%RSD	.16494	1.0250	.04041	2.2850	.59836	.35343	.35343	.52753	.90875	.12976
#1	1.0478	.05025	23.927	.04988	.20461	1.3765	2.9456	.20817	.56659	.10144
#2	1.0454	.05099	23.913	.04830	.20288	1.3833	2.9604	.20662	.55935	.10125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10144**	**.20159**	**.32938**	**.05103**	**.05766**	**.04629**
Stddev	.00008	.00129	.04288	.00072	.00011	.00093
%RSD	.07593	.63752	13.017	1.4202	.19111	2.0121
#1	.10138	.20250	.29907	.05052	.05759	.04563
#2	.10149	.20068	.35970	.05154	.05774	.04695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.6**	**78945.**	**6476.4**
Stddev	.6	27.	38.3
%RSD	.00837	.03403	.59095
#1	6906.0	78964.	6449.3
#2	6905.2	78926.	6503.4

Sample Name: 48662-e-4-aPDS@10 Acquired: 11/14/2013 16:41:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04822**	**1.0395**	**.20735**	**.15521**	**.10524**	**.05026**	**.00392**	**27.328**	**.05142**	**.05110**
Stddev	.00001	.0010	.00457	.00079	.00093	.00019	.00056	.163	.00015	.00020
%RSD	.01888	.10025	2.2053	.50986	.88332	.37794	14.217	.59807	.29855	.38894
#1	.04823	1.0388	.20412	.15465	.10458	.05012	.00431	27.212	.05131	.05096
#2	.04822	1.0402	.21059	.15577	.10590	.05039	.00353	27.443	.05153	.05124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05312**	**.05144**	**1.0513**	**20.360**	**.11274**	**21.915**	**.05198**	**.05058**	**72.080**	**.05244**
Stddev	.00023	.00077	.0066	.173	.00041	.094	.00031	.00014	.175	.00011
%RSD	.44077	1.4994	.62595	.85105	.36088	.43075	.59569	.27724	.24234	.20857
#1	.05295	.05090	1.0467	20.238	.11303	21.848	.05176	.05068	72.204	.05252
#2	.05328	.05199	1.0560	20.483	.11245	21.982	.05220	.05048	71.957	.05236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1379**	**.09972**	**24.131**	**.09913**	**.20723**	**5.2777**	**11.294**	**.10055**	**.51602**	**.20395**
Stddev	.0077	.00256	.094	.00139	.00049	.0546	.117	.00114	.00308	.00047
%RSD	.35990	2.5646	.38996	1.4017	.23418	1.0355	1.0355	1.1358	.59700	.23094
#1	2.1324	.09791	24.064	.09815	.20688	5.2391	11.212	.09974	.51385	.20362
#2	2.1433	.10153	24.197	.10012	.20757	5.3164	11.377	.10135	.51820	.20428
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04982**	**.20098**	**.79670**	**.05196**	**.21590**	**.04646**
Stddev	.00020	.00063	.05234	.00060	.00104	.00088
%RSD	.39145	.31487	6.5702	1.1518	.48231	1.8837
#1	.04995	.20143	.83371	.05154	.21516	.04585
#2	.04968	.20053	.75969	.05238	.21663	.04708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.6**	**78501.**	**6475.1**
Stddev	1.9	167.	68.1
%RSD	.02727	.21238	1.0516
#1	6884.3	78383.	6523.3
#2	6886.9	78619.	6427.0

Sample Name: 280-48651-b-6-c Acquired: 11/14/2013 16:43:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**6.8056**	**.00311**	**.03030**	**.14462**	**.00059**	**.00109**	**38.665**	**.00731**	**.01298**
Stddev	.00004	.0392	.00151	.00022	.00025	.00001	.00126	.072	.00033	.00007
%RSD	7.6933	.57557	48.714	.72817	.17425	1.7617	115.70	.18573	4.5332	.55621
#1	-.00054	6.7780	.00204	.03046	.14445	.00059	.00020	38.614	.00708	.01303
#2	-.00061	6.8333	.00417	.03015	.14480	.00058	.00198	38.715	.00755	.01293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00594**	**.03759**	**3.7551**	**5.3261**	**.03378**	**6.1222**	**.35529**	**.00072**	**5.0663**	**.03823**
Stddev	.00001	.00033	.0171	.0402	.00145	.0190	.00093	.00007	.0177	.00020
%RSD	.10475	.88426	.45602	.75541	4.2853	.31050	.26313	9.2425	.34853	.53616
#1	.00594	.03735	3.7430	5.2976	.03276	6.1356	.35595	.00067	5.0788	.03838
#2	.00593	.03782	3.7672	5.3545	.03481	6.1087	.35463	.00077	5.0538	.03809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6534**	**.01631**	**51.097**	**.00005**	**.00144**	**9.1201**	**19.517**	**-.00004**	**.15393**	**.00285**
Stddev	.0000	.00017	.014	.00054	.00220	.0926	.198	.00095	.00008	.00054
%RSD	.00008	1.0570	.02693	1008.1	152.46	1.0153	1.0153	2166.6	.05181	18.889
#1	1.6534	.01619	51.088	.00044	-.00011	9.0546	19.377	.00063	.15399	.00323
#2	1.6533	.01643	51.107	-.00033	.00300	9.1856	19.657	-.00071	.15387	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07409**	**.00081**	W **-.05595**	**.01012**	**4.9418**	**.00045**
Stddev	.00010	.00131	.01960	.00063	.0209	.00013
%RSD	.13235	161.18	35.037	6.2627	.42310	28.665
#1	.07402	.00174	-.04209	.00967	4.9566	.00036
#2	.07416	-.00011	-.06982	.01057	4.9270	.00054
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.9**	**80519.**	**6656.4**
Stddev	1.6	88.	71.6
%RSD	.02263	.10882	1.0752
#1	7012.7	80457.	6707.0
#2	7015.0	80581.	6605.8

Sample Name: 280-48651-b-7-c Acquired: 11/14/2013 16:46:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.00432**	**-.00129**	**.00085**	**.00005**	**.00003**	**.00217**	**.02571**	**-.00008**	**-.00014**
Stddev	.00021	.00013	.00021	.00050	.00022	.00000	.00071	.00581	.00010	.00014
%RSD	25.382	2.9401	16.727	59.075	403.29	2.8355	32.748	22.603	126.08	97.174
#1	-.00096	.00441	-.00113	.00120	-.00010	.00003	.00267	.02982	-.00001	-.00004
#2	-.00067	.00423	-.00144	.00049	.00021	.00003	.00167	.02160	-.00015	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00009**	**.00339**	**.03754**	**.00033**	**.00637**	**.00020**	**-.00028**	**.02721**	**.00005**
Stddev	.00009	.00021	.00328	.00712	.00124	.00032	.00001	.00002	.01514	.00005
%RSD	647.20	223.71	96.751	18.967	378.40	5.0802	4.8948	8.3345	55.644	86.108
#1	.00008	.00024	.00571	.04258	.00121	.00659	.00019	-.00030	.03792	.00009
#2	-.00005	-.00005	.00107	.03251	-.00055	.00614	.00021	-.00027	.01651	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**-.00111**	**.01141**	**-.00041**	**-.00052**	**.01056**	**.02261**	**-.00067**	**.00007**	**.00158**
Stddev	.00138	.00110	.00046	.00129	.00340	.02133	.04565	.00060	.00009	.00268
%RSD	71.215	99.174	4.0090	314.14	649.68	201.94	201.94	90.257	119.46	170.15
#1	.00292	-.00033	.01174	-.00132	-.00293	-.00452	-.00967	-.00024	.00014	.00347
#2	.00096	-.00188	.01109	.00050	.00188	.02565	.05489	-.00109	.00001	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00066**	**-.00148**	**-.00016**	**.00447**	**-.00060**
Stddev	.00054	.00103	.03429	.00021	.00013	.00027
%RSD	415.34	156.19	2323.6	129.40	3.0032	45.537
#1	-.00025	-.00007	-.02573	-.00001	.00457	-.00041
#2	.00051	.00139	.02277	-.00031	.00438	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.4**	**82099.**	**6557.8**
Stddev	13.4	94.	69.3
%RSD	.18860	.11455	1.0573
#1	7139.0	82032.	6508.7
#2	7119.9	82165.	6606.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 16:48:34 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00285**	**50.195**	**.00116**	**.00111**	**.00049**	**.00000**	**1.0322**	**.01685**	**.00057**	**-.00101**	**.00026**	**-.00348**	**50.738**
Stddev	.00023	.162	.00305	.00023	.00016	.0000	.0015	.00473	.00022	.00015	.00014	.00040	.194
%RSD	8.0200	.32291	261.56	20.372	31.934	189.74	.14183	28.094	38.025	15.187	53.804	11.491	.38177
#1	-.00269	50.081	.00332	.00095	.00038	.00000	1.0332	.01350	.00041	-.00112	.00016	-.00376	50.875
#2	-.00302	50.310	-.00099	.00127	.00060	-.00001	1.0312	.02019	.00072	-.00090	.00036	-.00320	50.601
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04561**	**.00238**	**.07673**	**.00001**	**.00030**	**251.49**	**-.00069**	**.00430**	**-.00229**	**5.0571**	**.00152**	**-.00720**	**-.00606**
Stddev	.00244	.00098	.00477	.00008	.00006	.24	.00050	.00047	.00105	.0139	.00341	.00000	.00112
%RSD	5.3515	41.062	6.2169	1089.7	20.904	.09649	72.666	10.979	46.022	.27429	224.49	.02471	18.445
#1	.04734	.00307	.08011	.00007	.00026	251.32	-.00034	.00396	-.00304	5.0669	.00393	-.00720	-.00685
#2	.04389	.00169	.07336	-.00005	.00035	251.66	-.00105	.00463	-.00154	5.0473	-.00089	-.00720	-.00527
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01297**	**.00053**	**.00004**	**5.0277**	**.00875**	**.00235**	F **7.8769**	**.00010**	**.00207**	**-.05820**
Stddev	.00239	.00010	.00008	.0068	.00037	.00074	.0377	.00001	.00079	.00016
%RSD	18.445	18.574	215.59	.13552	4.2121	31.398	.47815	6.3519	37.999	.28296
#1	-.01466	.00046	-.00002	5.0229	.00849	.00287	7.8503	.00010	.00262	-.05808
#2	-.01128	.00060	.00009	5.0325	.00901	.00183	7.9035	.00011	.00151	-.05831
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6962.5**	**79274.**	**6682.7**
Stddev	1.9	87.	27.8
%RSD	.02668	.10932	.41656
#1	6961.2	79213.	6663.0
#2	6963.8	79336.	6702.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 16:50:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50919**	**.51900**	**1.0062**	**.50554**	**.50213**	**.49322**	**-.01193**	**4.9356**	**.49658**	**.50605**	**.51402**	**.50262**	**2.5566**
Stddev	.00279	.00097	.0029	.00120	.00146	.00008	.00203	.0048	.00117	.00093	.00107	.00019	.0027
%RSD	.54854	.18625	.29326	.23727	.29110	.01634	17.013	.09793	.23609	.18449	.20816	.03751	.10699
#1	.51117	.51969	1.0041	.50469	.50317	.49316	-.01337	4.9390	.49575	.50539	.51327	.50275	2.5586
#2	.50722	.51832	1.0083	.50639	.50110	.49327	-.01050	4.9322	.49741	.50671	.51478	.50248	2.5547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.172**	**.98355**	**19.850**	**.49596**	**.51285**	**5.1028**	**.51615**	**1.0081**	**.99725**	**-.00071**	**1.0151**	**1.0068**	**5.0361**
Stddev	.053	.00420	.099	.00133	.00298	.0453	.00046	.0093	.00719	.00026	.0082	.0149	.0121
%RSD	.10803	.42736	.49675	.26802	.58131	.88751	.08998	.92382	.72109	37.102	.80804	1.4763	.23953
#1	49.134	.98652	19.920	.49690	.51075	5.1348	.51582	1.0016	.99216	-.00089	1.0093	.99630	5.0275
#2	49.209	.98058	19.780	.49502	.51496	5.0708	.51648	1.0147	1.0023	-.00052	1.0209	1.0173	5.0446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.777**	**1.0162**	**.49779**	**.00301**	**.49963**	**1.0115**	**-.01841**	**.49245**	**.50019**	**.49964**
Stddev	.026	.0082	.00111	.00140	.00060	.0075	.01631	.00014	.00056	.00143
%RSD	.23953	.81034	.22267	46.449	.12037	.74050	88.609	.02793	.11194	.28638
#1	10.759	1.0104	.49858	.00400	.50006	1.0062	-.00688	.49235	.50059	.49863
#2	10.795	1.0220	.49701	.00202	.49921	1.0168	-.02995	.49255	.49980	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7055.7**	**81226.**	**6632.3**
Stddev	18.3	130.	45.6
%RSD	.25944	.16052	.68685
#1	7042.7	81134.	6600.1
#2	7068.6	81318.	6664.5

Sample Name: CCB Acquired: 11/14/2013 16:53:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00014**	**-.00213**	**.00135**	**.00023**	**.00005**	**.00304**	**-.00036**	**.00006**	**.00010**	**.00000**	**-.00056**
Stddev	.00037	.00056	.00047	.00015	.00006	.00005	.00274	.00384	.00004	.00023	.00003	.00012
%RSD	1319.5	389.97	21.908	11.266	26.497	99.386	90.210	1052.8	69.289	226.91	9835.4	20.895
#1	.00024	.00054	-.00246	.00146	.00028	.00002	.00110	-.00308	.00009	.00026	.00002	-.00048
#2	-.00029	-.00025	-.00180	.00124	.00019	.00009	.00497	.00235	.00003	-.00006	-.00002	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00243**	**.07106**	**.00040**	**.00133**	**.00007**	**.00021**	**.03109**	**.00010**	**-.00012**	**-.00067**	**.00082**	W **.00536**
Stddev	.00062	.04341	.00063	.00024	.00006	.00029	.00891	.00024	.00126	.00073	.00032	.00159
%RSD	25.407	61.090	156.02	18.190	95.563	134.28	28.661	249.40	1076.2	108.73	39.001	29.702
#1	-.00199	.10175	.00085	.00116	.00002	.00001	.02479	.00027	.00077	-.00016	.00104	.00648
#2	-.00287	.04036	-.00004	.00150	.00011	.00042	.03739	-.00007	-.00101	-.00119	.00059	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.01300**	**.02783**	**-.00048**	**-.00007**	**.00140**	**.00010**	**.00056**	F **-.06464**	**.00020**	**.00256**	**-.00105**
Stddev	.00196	.01014	.02169	.00037	.00013	.00055	.00008	.00069	.02268	.00018	.00012	.00063
%RSD	154.81	77.957	77.957	76.045	190.33	39.140	79.324	124.38	35.086	89.334	4.7974	60.256
#1	-.00012	.00584	.01249	-.00022	.00002	.00101	.00015	.00105	-.04860	.00033	.00248	-.00150
#2	.00265	.02017	.04317	-.00074	-.00016	.00179	.00004	.00007	-.08067	.00007	.00265	-.00060
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7127.6**	**82015.**	**6644.9**
Stddev	13.7	133.	32.6
%RSD	.19268	.16230	.48985
#1	7137.3	82109.	6667.9
#2	7117.9	81921.	6621.8

Sample Name: CCVL-2379751 Acquired: 11/14/2013 17:01:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01056**	**.10823**	**.01367**	**.09865**	**.01023**	**.00104**	**.11440**	**.21994**	**.00500**	**.01050**	**.01054**	**.01529**	**.10105**
Stddev	.00019	.00042	.00066	.00076	.00018	.00006	.00034	.00104	.00013	.00012	.00008	.00020	.00274
%RSD	1.7620	.38430	4.8576	.77466	1.7245	6.1660	.29496	.47406	2.6050	1.0993	.80380	1.3288	2.7139
#1	.01069	.10794	.01320	.09919	.01011	.00109	.11464	.22068	.00491	.01042	.01048	.01515	.09911
#2	.01043	.10853	.01414	.09811	.01036	.00100	.11416	.21921	.00509	.01058	.01060	.01544	.10298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0072**	**.01207**	**.20732**	**.01021**	**.01961**	**1.0531**	**.04253**	**2.8927**	**.00801**	**.00308**	**.00996**	**.01525**	**.49885**
Stddev	.0245	.00067	.00004	.00006	.00013	.0012	.00018	.0028	.00103	.00057	.00117	.00119	.02783
%RSD	.81498	5.5599	.02148	.58936	.63761	.11145	.43174	.09659	12.805	18.614	11.788	7.8109	5.5779
#1	2.9899	.01255	.20729	.01016	.01953	1.0539	.04240	2.8907	.00874	.00348	.00913	.01609	.47918
#2	3.0245	.01160	.20735	.01025	.01970	1.0523	.04266	2.8947	.00729	.00267	.01079	.01441	.51853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0675**	**.10126**	**.00996**	**.01589**	**.00983**	**.01672**	F **.09078**	**.00959**	**.02522**	**.01157**
Stddev	.0595	.00060	.00004	.00288	.00025	.00037	.04871	.00020	.00117	.00057
%RSD	5.5779	.59666	.44864	18.147	2.5011	2.2012	53.654	2.0840	4.6284	4.9351
#1	1.0254	.10168	.00999	.01792	.01000	.01646	.05634	.00973	.02439	.01198
#2	1.1097	.10083	.00993	.01385	.00966	.01698	.12522	.00945	.02604	.01117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7202.3**	**83690.**	**6741.5**
Stddev	12.9	314.	5.6
%RSD	.17933	.37569	.08332
#1	7211.5	83912.	6745.5
#2	7193.2	83467.	6737.5

Sample Name: mb 280-199600/1-a Acquired: 11/14/2013 17:05:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00739**	**-.00204**	**.00772**	**.00025**	**.00001**	**.00312**	**.03452**	**-.00004**	**-.00005**
Stddev	.00047	.00016	.00336	.00033	.00013	.00000	.00114	.00115	.00016	.00007
%RSD	69.227	2.1791	165.18	4.2467	49.812	12.065	36.678	3.3253	401.67	124.17
#1	-.00101	.00750	.00034	.00749	.00016	.00001	.00393	.03534	-.00015	-.00010
#2	-.00034	.00728	-.00441	.00795	.00034	.00001	.00231	.03371	.00007	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00063**	**.01391**	**.10071**	**.00207**	**.00801**	**.00029**	**-.00010**	**.06682**	**.00045**
Stddev	.00003	.00030	.00158	.04055	.00006	.00144	.00003	.00006	.02597	.00007
%RSD	19.038	46.823	11.370	40.266	2.9909	17.941	10.769	56.272	38.866	16.196
#1	.00020	.00084	.01280	.07203	.00203	.00903	.00032	-.00006	.08518	.00039
#2	.00015	.00042	.01503	.12938	.00212	.00700	.00027	-.00015	.04846	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**-.00049**	**.00852**	**-.00005**	**.00052**	**.05089**	**.10890**	**.00275**	**-.00005**	**.00085**
Stddev	.00042	.00008	.00036	.00188	.00099	.00798	.01708	.00006	.00002	.00053
%RSD	14.842	16.337	4.2448	4002.3	188.66	15.681	15.681	2.1865	33.256	62.582
#1	.00309	-.00043	.00827	.00128	.00122	.04525	.09683	.00271	-.00006	.00123
#2	.00251	-.00054	.00878	-.00138	-.00018	.05653	.12098	.00280	-.00004	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00054**	**-.01839**	**.00025**	**.00503**	**-.00073**
Stddev	.00007	.00005	.02409	.00011	.00040	.00017
%RSD	14.999	8.5888	131.02	43.283	7.8762	23.708
#1	.00043	.00051	-.00135	.00033	.00475	-.00085
#2	.00053	.00058	-.03542	.00017	.00531	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7229.9**	**84332.**	**6763.1**
Stddev	19.2	566.	.6
%RSD	.26495	.67135	.00909
#1	7243.4	84733.	6763.5
#2	7216.3	83932.	6762.7

Sample Name: lcs 280-199600/2-a Acquired: 11/14/2013 17:07:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04793**	**1.9539**	**.98217**	F **1.1653**	**1.9606**	**.04825**	**2.0133**	**47.062**	**.09725**	**.48014**
Stddev	.00045	.0008	.00169	.0028	.0040	.00061	.0008	.001	.00010	.00115
%RSD	.93581	.03898	.17243	.23777	.20347	1.2550	.04122	.00267	.10008	.23891
#1	.04761	1.9533	.98098	1.1633	1.9578	.04783	2.0139	47.063	.09718	.48095
#2	.04824	1.9544	.98337	1.1673	1.9634	.04868	2.0127	47.061	.09732	.47933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20049**	**.24571**	**.99449**	**48.631**	**.97454**	**47.757**	**.47549**	**.99116**	**50.684**	**.48887**
Stddev	.00045	.00077	.01203	.037	.00241	.013	.00029	.00130	.098	.00005
%RSD	.22504	.31215	1.2095	.07647	.24720	.02751	.06034	.13130	.19248	.01049
#1	.20017	.24625	.98599	48.605	.97284	47.748	.47569	.99208	50.615	.48884
#2	.20081	.24517	1.0030	48.657	.97625	47.766	.47529	.99024	50.753	.48891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9385**	**.47180**	**.00701**	**.49187**	**1.9504**	**1.7196**	**3.6799**	**1.9486**	**.97365**	**.96192**
Stddev	.0108	.00012	.00662	.00750	.0034	.0116	.0249	.0048	.00108	.00036
%RSD	.10837	.02464	94.466	1.5241	.17410	.67665	.67665	.24632	.11129	.03699
#1	9.9309	.47189	.01168	.48657	1.9480	1.7113	3.6623	1.9452	.97288	.96167
#2	9.9461	.47172	.00233	.49717	1.9528	1.7278	3.6975	1.9520	.97442	.96218
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97568**	**1.8907**	F **3.0895**	**.47970**	**.47325**	**.48048**
Stddev	.00090	.0026	.0006	.00206	.00130	.00079
%RSD	.09198	.13628	.02022	.43020	.27514	.16398
#1	.97631	1.8889	3.0899	.48115	.47233	.47992
#2	.97505	1.8925	3.0890	.47824	.47417	.48103
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.9**	**80125.**	**6652.3**
Stddev	7.9	66.	3.7
%RSD	.11466	.08294	.05609
#1	6907.2	80172.	6649.7
#2	6918.5	80078.	6655.0

Sample Name: 280-48651-a-1-a Acquired: 11/14/2013 17:09:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**64.445**	**.00098**	**.02020**	**.16961**	**.00200**	**-.01170**	**4.6388**	**.00257**	**.02534**
Stddev	.00010	.046	.00050	.00010	.00009	.00001	.00055	.0175	.00005	.00034
%RSD	13.891	.07137	50.608	.51692	.05390	.69351	4.7320	.37713	1.7869	1.3590
#1	-.00068	64.477	.00063	.02027	.16954	.00199	-.01131	4.6265	.00261	.02558
#2	-.00083	64.412	.00133	.02012	.16967	.00201	-.01210	4.6512	.00254	.02510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06496**	**.04383**	**71.223**	**7.2334**	**.12207**	**20.460**	**.56849**	**.00088**	**.22252**	**.08466**
Stddev	.00005	.00033	.347	.0009	.00037	.072	.00043	.00008	.00111	.00005
%RSD	.06991	.76137	.48757	.01273	.30236	.35037	.07495	9.1535	.49760	.05637
#1	.06499	.04360	70.978	7.2327	.12233	20.409	.56819	.00094	.22331	.08463
#2	.06493	.04407	71.469	7.2340	.12181	20.510	.56879	.00083	.22174	.08470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1673**	**.05867**	**.71197**	**.00276**	**-.00147**	**3.0824**	**6.5962**	**.00521**	**.02265**	**.01169**
Stddev	.0044	.00009	.00117	.00142	.00272	.0471	.1008	.00017	.00032	.00054
%RSD	.20410	.14762	.16393	51.320	185.39	1.5287	1.5287	3.1767	1.3961	4.5838
#1	2.1704	.05873	.71279	.00176	-.00339	3.0490	6.5249	.00509	.02243	.01131
#2	2.1642	.05860	.71114	.00376	.00046	3.1157	6.6675	.00533	.02288	.01207
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30435**	**.00011**	F **-.12157**	**.07480**	**.93852**	**.00886**
Stddev	.00022	.00008	.03064	.00012	.00298	.00053
%RSD	.07336	72.089	25.202	.16002	.31799	5.9416
#1	.30451	.00005	-.09990	.07489	.93641	.00848
#2	.30419	.00016	-.14323	.07472	.94063	.00923
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7368.4**	**83550.**	**7067.6**
Stddev	4.3	142.	25.1
%RSD	.05890	.16949	.35523
#1	7365.4	83650.	7049.8
#2	7371.5	83450.	7085.3

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/14/2013 17:12:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**13.313**	**-.00278**	**.00456**	**.03508**	**.00034**	**-.00062**	**.96287**	**.00056**	**.00525**
Stddev	.00039	.053	.00056	.00024	.00012	.00003	.00093	.00558	.00009	.00003
%RSD	147.62	.39787	20.119	5.3686	.34564	8.3407	151.36	.57924	16.603	.56844
#1	-.00054	13.276	-.00239	.00439	.03500	.00036	.00004	.96681	.00049	.00523
#2	.00001	13.351	-.00318	.00473	.03517	.00032	-.00128	.95892	.00062	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01312**	**.00855**	**14.330**	**1.4921**	**.02586**	**4.1880**	**.11575**	**-.00006**	**.06004**	**.01740**
Stddev	.00010	.00013	.007	.0031	.00093	.0224	.00008	.00004	.00808	.00012
%RSD	.73898	1.5235	.04639	.20533	3.6146	.53474	.06891	73.898	13.461	.68100
#1	.01306	.00846	14.325	1.4899	.02653	4.1721	.11569	-.00009	.05433	.01732
#2	.01319	.00864	14.335	1.4943	.02520	4.2038	.11580	-.00003	.06576	.01749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43842**	**.01175**	**.14475**	**-.00039**	**-.00108**	**.65252**	**1.3964**	**.00270**	**.00461**	**.00500**
Stddev	.00072	.00022	.00159	.00057	.00146	.00402	.0086	.00025	.00005	.00028
%RSD	.16422	1.8710	1.1002	147.79	134.76	.61584	.61584	9.2070	.97749	5.5772
#1	.43792	.01160	.14587	-.00079	-.00211	.64968	1.3903	.00252	.00464	.00480
#2	.43893	.01191	.14362	.00002	-.00005	.65537	1.4025	.00287	.00458	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06215**	**.00011**	W **-.07767**	**.01524**	**.19729**	**.00150**
Stddev	.00031	.00025	.03571	.00072	.00039	.00192
%RSD	.49423	224.30	45.980	4.7465	.19894	127.71
#1	.06237	.00029	-.05242	.01472	.19702	.00286
#2	.06193	-.00007	-.10292	.01575	.19757	.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7197.1**	**82037.**	**6752.2**
Stddev	12.9	337.	.4
%RSD	.17910	.41087	.00560
#1	7188.0	82275.	6752.0
#2	7206.2	81799.	6752.5

Sample Name: 280-48651-a-1-b ms Acquired: 11/14/2013 17:14:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04831**	**107.61**	**.95445**	**.98458**	**2.1846**	**.04890**	F **1.9495**	**49.984**	**.09739**	**.49077**
Stddev	.00071	.01	.00198	.00034	.0034	.00023	.0015	.051	.00009	.00026
%RSD	1.4608	.01199	.20744	.03408	.15502	.47794	.07631	.10140	.09724	.05358
#1	.04881	107.62	.95305	.98482	2.1822	.04873	1.9505	49.948	.09745	.49096
#2	.04781	107.61	.95585	.98435	2.1870	.04906	1.9484	50.020	.09732	.49059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29663**	**.29440**	**79.683**	**67.244**	**1.1048**	**73.264**	**1.0604**	**.94426**	**49.431**	**.56382**
Stddev	.00060	.00012	.041	.040	.0008	.263	.0031	.00172	.237	.00009
%RSD	.20114	.04104	.05135	.05931	.07509	.35863	.29262	.18186	.48004	.01525
#1	.29705	.29431	79.712	67.216	1.1054	73.449	1.0626	.94548	49.599	.56388
#2	.29621	.29448	79.654	67.272	1.1042	73.078	1.0582	.94305	49.263	.56376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.608**	**.49305**	**.87353**	**.27906**	**1.9102**	**7.0492**	**15.085**	**1.8135**	**.98888**	**.90519**
Stddev	.001	.00063	.00410	.00122	.0140	.0306	.065	.0054	.00200	.00520
%RSD	.00528	.12866	.46987	.43793	.73491	.43372	.43372	.29931	.20189	.57421
#1	11.608	.49260	.87063	.27992	1.9201	7.0276	15.039	1.8174	.98747	.90887
#2	11.608	.49350	.87643	.27820	1.9003	7.0708	15.132	1.8097	.99029	.90152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4755**	**1.7850**	**2.9816**	**.62400**	**1.3577**	**.39305**
Stddev	.0005	.0067	.0161	.00139	.0037	.00249
%RSD	.03214	.37419	.53885	.22214	.26918	.63289
#1	1.4752	1.7897	2.9929	.62498	1.3603	.39129
#2	1.4758	1.7802	2.9702	.62302	1.3551	.39481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7130.1**	**80052.**	**6899.1**
Stddev	1.5	163.	7.2
%RSD	.02122	.20337	.10398
#1	7129.0	79937.	6894.1
#2	7131.1	80167.	6904.2

Sample Name: 280-48651-a-1-c msd Acquired: 11/14/2013 17:16:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04787**	**96.608**	**.95675**	**.98158**	**2.1470**	**.04856**	F **1.9326**	**49.232**	**.09682**	**.48483**
Stddev	.00008	.021	.00658	.00394	.0047	.00015	.0086	.175	.00019	.00060
%RSD	.17642	.02224	.68825	.40138	.22043	.31830	.44723	.35480	.19286	.12443
#1	.04781	96.593	.96141	.98437	2.1436	.04846	1.9387	49.108	.09695	.48526
#2	.04793	96.623	.95209	.97880	2.1503	.04867	1.9265	49.355	.09669	.48440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28530**	**.28439**	**67.684**	**64.853**	**1.0890**	**70.321**	**.99227**	**.94674**	**49.066**	**.54824**
Stddev	.00021	.00017	.232	.183	.0031	.166	.00130	.00082	.277	.00077
%RSD	.07225	.05982	.34278	.28229	.28847	.23611	.13149	.08676	.56368	.13987
#1	.28516	.28427	67.520	64.724	1.0868	70.438	.99319	.94732	49.262	.54878
#2	.28545	.28451	67.848	64.983	1.0912	70.203	.99135	.94616	48.871	.54769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.232**	**.47548**	**.79807**	**.28855**	**1.8940**	**6.2186**	**13.308**	**1.8163**	**.97885**	**.90289**
Stddev	.032	.00120	.00717	.00038	.0145	.0119	.025	.0078	.00273	.00142
%RSD	.28560	.25141	.89784	.13004	.76520	.19106	.19106	.42915	.27908	.15713
#1	11.255	.47632	.80313	.28882	1.9042	6.2270	13.326	1.8218	.97692	.90389
#2	11.210	.47463	.79300	.28829	1.8837	6.2102	13.290	1.8108	.98078	.90189
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4498**	**1.7808**	**3.0138**	**.60638**	**1.2180**	**.39870**
Stddev	.0071	.0110	.0403	.00001	.0049	.00118
%RSD	.48931	.61936	1.3368	.00198	.39781	.29477
#1	1.4549	1.7886	3.0423	.60637	1.2215	.39787
#2	1.4448	1.7730	2.9853	.60639	1.2146	.39953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7076.2**	**79975.**	**6881.8**
Stddev	65.5	106.	60.3
%RSD	.92621	.13253	.87682
#1	7122.6	79900.	6924.4
#2	7029.9	80050.	6839.1

Sample Name: 280-48651-a-1-aPDS Acquired: 11/14/2013 17:18:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04752**	**64.226**	**.20220**	**.11593**	**.26548**	**.04950**	**-.01018**	**23.640**	**.05171**	**.07337**
Stddev	.00004	.406	.00045	.00016	.00001	.00019	.00026	.103	.00046	.00053
%RSD	.08262	.63274	.22447	.13753	.00199	.39216	2.5628	.43706	.89396	.72046
#1	.04755	63.939	.20188	.11604	.26548	.04936	-.01036	23.567	.05138	.07300
#2	.04749	64.513	.20253	.11582	.26548	.04963	-.00999	23.713	.05204	.07375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11421**	**.09355**	**70.339**	**26.693**	**.21932**	**39.997**	**.60094**	**.04871**	**20.778**	**.13253**
Stddev	.00050	.00001	.684	.083	.00315	.121	.00193	.00027	.140	.00028
%RSD	.43461	.01354	.97191	.31227	1.4375	.30274	.32188	.56310	.67595	.20803
#1	.11386	.09354	69.855	26.634	.21709	40.083	.60231	.04851	20.679	.13273
#2	.11456	.09356	70.822	26.752	.22155	39.912	.59957	.04890	20.878	.13234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1070**	**.15086**	**.69763**	**.09546**	**.19724**	**7.9558**	**17.025**	**.10025**	**.07212**	**.21107**
Stddev	.0165	.00341	.00293	.00128	.00333	.0959	.205	.00106	.00006	.00091
%RSD	.40076	2.2629	.41977	1.3433	1.6873	1.2057	1.2057	1.0524	.08944	.43197
#1	4.0953	.14845	.69556	.09455	.19959	7.8880	16.880	.10100	.07208	.21171
#2	4.1186	.15328	.69970	.09636	.19489	8.0236	17.171	.09950	.07217	.21042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35850**	**.19070**	**.68138**	**.12330**	**1.1191**	**.05423**
Stddev	.00211	.00122	.02514	.00036	.0047	.00071
%RSD	.58929	.63890	3.6889	.29438	.42236	1.3004
#1	.35701	.18984	.69915	.12355	1.1225	.05473
#2	.35999	.19156	.66361	.12304	1.1158	.05373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7193.4**	**80560.**	**6706.8**
Stddev	16.8	781.	59.7
%RSD	.23395	.96888	.89053
#1	7205.3	80008.	6749.0
#2	7181.5	81112.	6664.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 17:20:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00368**	**50.662**	**-.00180**	**.00275**	**.00081**	**.00000**	**1.0321**	**.03370**	**.00060**	**-.00104**	**.00026**	**-.00379**	**51.288**
Stddev	.00043	.125	.00190	.00053	.00023	.0001	.0035	.00478	.00013	.00005	.00026	.00004	.106
%RSD	11.823	.24761	106.09	19.442	28.648	64994.	.33917	14.180	22.447	4.3617	98.518	1.0200	.20762
#1	-.00337	50.573	-.00045	.00312	.00064	-.00008	1.0346	.03032	.00069	-.00101	.00045	-.00382	51.364
#2	-.00399	50.750	-.00314	.00237	.00097	.00008	1.0297	.03708	.00050	-.00107	.00008	-.00377	51.213
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13792**	**.00075**	**.10290**	**.00032**	**.00040**	**252.86**	**-.00096**	**.00540**	**-.00195**	**5.0495**	**.00243**	**-.00476**	**.00793**
Stddev	.01951	.00152	.00296	.00004	.00004	.18	.00012	.00103	.00080	.0061	.00118	.00171	.02559
%RSD	14.143	201.67	2.8807	12.060	10.787	.06925	12.025	19.117	41.191	.12109	48.586	35.896	322.67
#1	.12413	-.00032	.10499	.00035	.00037	252.74	-.00104	.00613	-.00138	5.0538	.00326	-.00355	.02603
#2	.15172	.00183	.10080	.00029	.00044	252.98	-.00088	.00467	-.00251	5.0451	.00159	-.00596	-.01016
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**-.00079**	**.00024**	**5.0106**	**.01008**	**.00224**	F **7.9672**	**.00013**	**.00249**	**-.05724**
Stddev	.05477	.00029	.00017	.0117	.00025	.00045	.0336	.00038	.00014	.00076
%RSD	322.67	37.218	70.882	.23346	2.5026	20.246	.42242	282.71	5.4250	1.3255
#1	.05570	-.00058	.00012	5.0024	.01025	.00256	7.9434	-.00013	.00239	-.05671
#2	-.02175	-.00099	.00035	5.0189	.00990	.00192	7.9909	.00040	.00259	-.05778
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6874.0**	**77894.**	**6450.8**
Stddev	21.2	286.	10.9
%RSD	.30893	.36652	.16947
#1	6889.1	78096.	6458.6
#2	6859.0	77692.	6443.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 17:23:24 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51279**	**.54275**	**1.0027**	**.50563**	**.50030**	**.48861**	**-.01152**	**4.9281**	**.49359**	**.50514**	**.51595**	**.49987**	**2.5811**
Stddev	.00149	.01554	.0051	.00181	.00007	.00085	.00129	.0376	.00167	.00286	.00188	.00107	.0054
%RSD	.29063	2.8626	.50425	.35802	.01404	.17480	11.234	.76197	.33868	.56592	.36346	.21322	.20851
#1	.51384	.55373	.99911	.50435	.50035	.48800	-.01244	4.9546	.49240	.50312	.51462	.49911	2.5849
#2	.51174	.53176	1.0063	.50691	.50025	.48921	-.01061	4.9015	.49477	.50716	.51727	.50062	2.5773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.852**	**.98403**	**20.134**	**.49862**	**.51591**	**5.1394**	**.51865**	**1.0136**	**.99695**	**-.00276**	**1.0127**	**1.0139**	**5.0306**
Stddev	.016	.00006	.092	.00112	.00285	.0118	.00190	.0050	.00399	.00271	.0018	.0069	.0089
%RSD	.03286	.00568	.45831	.22480	.55220	.23015	.36668	.49346	.39994	98.226	.17777	.67773	.17726
#1	48.864	.98406	20.199	.49942	.51390	5.1477	.51730	1.0100	.99413	-.00084	1.0115	1.0091	5.0369
#2	48.841	.98399	20.069	.49783	.51793	5.1310	.51999	1.0171	.99977	-.00468	1.0140	1.0188	5.0243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.765**	**1.0237**	**.49545**	**.00285**	**.50353**	**1.0090**	**-.01422**	**.49625**	**.50738**	**.49439**
Stddev	.019	.0022	.00067	.00024	.00107	.0028	.03585	.00078	.00302	.00232
%RSD	.17726	.21100	.13457	8.2751	.21328	.27439	252.07	.15730	.59589	.46984
#1	10.779	1.0222	.49498	.00301	.50429	1.0071	-.03958	.49680	.50952	.49603
#2	10.752	1.0252	.49593	.00268	.50277	1.0110	.01113	.49570	.50524	.49274
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6967.5**	**79368.**	**6546.1**
Stddev	53.5	240.	2.2
%RSD	.76733	.30270	.03401
#1	7005.3	79198.	6547.6
#2	6929.7	79538.	6544.5

Sample Name: CCB Acquired: 11/14/2013 17:25:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00280**	**-.00238**	**.00159**	**.00041**	**.00012**	**.00289**	**-.00130**	**-.00017**	**-.00010**	**-.00005**	**-.00019**	**.00057**
Stddev	.00003	.00064	.00111	.00060	.00020	.00001	.00012	.00311	.00014	.00000	.00010	.00062	.00240
%RSD	17.416	22.703	46.478	38.017	49.332	11.736	4.3067	238.92	81.573	.97062	199.92	324.52	422.10
#1	-.00013	.00325	-.00316	.00116	.00027	.00013	.00280	-.00350	-.00027	-.00010	-.00013	.00025	.00227
#2	-.00017	.00235	-.00160	.00202	.00055	.00011	.00298	.00090	-.00007	-.00010	.00002	-.00063	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11910**	**.00019**	**.01001**	**.00014**	**.00023**	**.03492**	**-.00021**	**-.00045**	**-.00017**	**-.00063**	F **.00674**	**.00108**	**.00094**
Stddev	.00883	.00053	.00119	.00007	.00020	.00845	.00044	.00127	.00029	.00086	.00125	.00214	.00135
%RSD	7.4126	279.50	11.904	47.568	87.077	24.214	211.60	280.47	168.67	135.59	18.524	197.30	144.74
#1	.12534	.00056	.01085	.00019	.00009	.04090	.00010	-.00135	.00003	-.00124	.00586	-.00043	.00189
#2	.11285	-.00018	.00917	.00009	.00038	.02894	-.00052	.00044	-.00038	-.00003	.00763	.00259	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**-.00034**	**.00011**	**.00396**	**.00006**	**.00103**	**-.01242**	**-.00053**	**.00255**	**-.00047**
Stddev	.00290	.00009	.00007	.00127	.00023	.00021	.00197	.00043	.00048	.00069
%RSD	144.74	26.938	60.192	32.081	359.87	20.071	15.843	81.629	18.917	146.78
#1	.00405	-.00027	.00016	.00485	.00023	.00088	-.01381	-.00083	.00220	.00002
#2	-.00005	-.00040	.00007	.00306	-.00010	.00117	-.01103	-.00022	.00289	-.00096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.4**	**80963.**	**6427.4**
Stddev	38.4	186.	42.0
%RSD	.55020	.23008	.65280
#1	7004.5	81094.	6457.1
#2	6950.2	80831.	6397.8

Sample Name: CCVL-2379751 Acquired: 11/14/2013 17:29:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00964**	**.11084**	**.01158**	**.09983**	**.01045**	**.00102**	**.11439**	**.21745**	**.00477**	**.01055**	**.01065**	**.01542**	**.10388**
Stddev	.00028	.00028	.00136	.00005	.00008	.00006	.00156	.00418	.00004	.00014	.00022	.00076	.00446
%RSD	2.9211	.25112	11.733	.05506	.73553	5.9017	1.3609	1.9242	.87875	1.3190	2.0798	4.9207	4.2925
#1	.00944	.11064	.01254	.09979	.01050	.00106	.11549	.22041	.00474	.01065	.01049	.01489	.10703
#2	.00984	.11103	.01062	.09987	.01040	.00098	.11329	.21449	.00480	.01045	.01080	.01596	.10072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9637**	**.01194**	**.21056**	**.01047**	**.02005**	**1.0667**	**.04309**	**2.9110**	**.00983**	**-.00081**	**.01148**	**.01898**	**.49373**
Stddev	.0092	.00319	.00458	.00012	.00014	.0022	.00005	.0043	.00047	.00121	.00030	.00235	.01196
%RSD	.30875	26.685	2.1733	1.1310	.70828	.21001	.11341	.14630	4.7906	149.38	2.6103	12.384	2.4225
#1	2.9572	.00969	.20732	.01055	.01995	1.0683	.04312	2.9080	.00949	-.00167	.01169	.02064	.50219
#2	2.9701	.01420	.21380	.01039	.02015	1.0652	.04305	2.9140	.01016	.00005	.01126	.01732	.48527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0566**	**.10259**	**.00990**	**.01727**	**.00972**	**.01633**	**.06626**	**.00963**	**.02498**	**.01236**
Stddev	.0256	.00063	.00004	.00095	.00015	.00061	.00196	.00038	.00017	.00127
%RSD	2.4225	.61665	.35767	5.4848	1.5688	3.7550	2.9535	3.9276	.67790	10.240
#1	1.0747	.10304	.00987	.01660	.00983	.01589	.06488	.00936	.02486	.01146
#2	1.0385	.10214	.00992	.01794	.00961	.01676	.06765	.00990	.02509	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.6**	**81064.**	**6467.9**
Stddev	19.8	98.	6.9
%RSD	.28067	.12115	.10641
#1	7039.6	80994.	6472.8
#2	7067.6	81133.	6463.0

Sample Name: 280-48651-a-2-a Acquired: 11/14/2013 17:39:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**67.508**	**.00703**	**.01657**	**.14417**	**.00237**	**-.01612**	**4.3054**	**.00121**	**.02755**
Stddev	.00005	.045	.00027	.00008	.00114	.00002	.00003	.0032	.00005	.00004
%RSD	8.3283	.06694	3.8502	.45350	.79256	.92724	.19588	.07382	3.9372	.15808
#1	-.00054	67.540	.00684	.01663	.14498	.00236	-.01610	4.3031	.00124	.02752
#2	-.00061	67.476	.00722	.01652	.14337	.00239	-.01614	4.3076	.00118	.02758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06825**	**.04818**	**80.471**	**7.2257**	**.12230**	**22.453**	**.59518**	**.00057**	**.29918**	**.09303**
Stddev	.00005	.00023	.239	.0023	.00154	.023	.00093	.00003	.02224	.00000
%RSD	.06935	.47047	.29756	.03203	1.2575	.10411	.15587	6.0049	7.4344	.00181
#1	.06828	.04834	80.640	7.2240	.12121	22.470	.59453	.00055	.28345	.09303
#2	.06821	.04802	80.302	7.2273	.12338	22.437	.59584	.00059	.31490	.09303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5766**	**.02391**	**.97174**	**.00129**	**.00080**	**3.1733**	**6.7909**	**.00475**	**.01801**	**.01534**
Stddev	.0059	.00001	.00173	.00043	.00385	.0206	.0440	.00020	.00008	.00126
%RSD	.22854	.04790	.17803	33.225	481.27	.64805	.64805	4.2352	.42024	8.1811
#1	2.5724	.02390	.97052	.00160	-.00192	3.1878	6.8220	.00461	.01806	.01623
#2	2.5808	.02392	.97297	.00099	.00352	3.1588	6.7597	.00489	.01795	.01445
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40662**	**-.00144**	F **-.10131**	**.08880**	**.29382**	**.01422**
Stddev	.00102	.00031	.04060	.00074	.00060	.00013
%RSD	.25159	21.268	40.073	.83275	.20483	.91723
#1	.40589	-.00165	-.13002	.08827	.29425	.01431
#2	.40734	-.00122	-.07260	.08932	.29340	.01413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7479.4**	**84479.**	**7055.8**
Stddev	5.6	327.	26.7
%RSD	.07512	.38670	.37876
#1	7475.5	84248.	7074.7
#2	7483.4	84710.	7036.9

Sample Name: 280-48651-a-3-a Acquired: 11/14/2013 17:42:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**45.127**	**.00353**	**.01315**	**.09192**	**.00155**	**-.00909**	**2.5177**	**.00112**	**.01668**
Stddev	.00030	.074	.00171	.00050	.00017	.00002	.00123	.0091	.00007	.00005
%RSD	32.917	.16487	48.289	3.7682	.18650	1.3234	13.500	.36052	6.1809	.31176
#1	-.00071	45.075	.00233	.01280	.09204	.00156	-.00996	2.5241	.00108	.01672
#2	-.00114	45.180	.00474	.01350	.09180	.00153	-.00822	2.5113	.00117	.01665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04548**	**.03574**	**52.249**	**5.8660**	**.08022**	**13.957**	**.37216**	**.00027**	**.17678**	**.05604**
Stddev	.00011	.00051	.085	.0969	.00057	.053	.00104	.00023	.00928	.00022
%RSD	.23111	1.4380	.16309	1.6518	.70931	.37684	.27814	84.680	5.2514	.38599
#1	.04556	.03538	52.309	5.9345	.08062	13.920	.37143	.00044	.18334	.05619
#2	.04541	.03610	52.189	5.7975	.07981	13.994	.37289	.00011	.17021	.05589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0130**	**.02038**	**.57810**	**-.00091**	**.00140**	**2.8163**	**6.0270**	**.00446**	**.01251**	**.00999**
Stddev	.0061	.00037	.00119	.00119	.00285	.0044	.0094	.00016	.00003	.00180
%RSD	.30294	1.8278	.20610	131.35	204.08	.15599	.15599	3.5182	.24251	18.030
#1	2.0087	.02064	.57894	-.00006	.00341	2.8195	6.0336	.00435	.01253	.01127
#2	2.0173	.02012	.57726	-.00175	-.00062	2.8132	6.0203	.00457	.01249	.00872
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29843**	**-.00020**	W **-.08644**	**.05640**	**.25611**	**.00854**
Stddev	.00812	.00161	.01442	.00094	.00101	.00137
%RSD	2.7203	807.06	16.685	1.6646	.39564	16.051
#1	.30417	-.00134	-.09664	.05573	.25539	.00757
#2	.29269	.00094	-.07624	.05706	.25682	.00951
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7393.7**	**83219.**	**6936.7**
Stddev	14.9	143.	5.1
%RSD	.20091	.17216	.07336
#1	7404.2	83321.	6940.3
#2	7383.2	83118.	6933.1

Sample Name: 280-48651-a-4-a Acquired: 11/14/2013 17:44:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**46.718**	**.00376**	**.01255**	**.11973**	**.00157**	**-.01010**	**3.6702**	**.00160**	**.01646**
Stddev	.00038	.069	.00000	.00029	.00033	.00006	.00193	.0386	.00007	.00010
%RSD	50.321	.14717	.11322	2.3118	.27620	3.6308	19.113	1.0527	4.3598	.60795
#1	-.00103	46.669	.00375	.01276	.11996	.00153	-.01147	3.6975	.00165	.01639
#2	-.00049	46.767	.00376	.01235	.11950	.00161	-.00874	3.6429	.00155	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04277**	**.02183**	**48.034**	**5.1227**	**.08803**	**13.541**	**.36019**	**.00013**	**.19105**	**.05293**
Stddev	.00012	.00015	.506	.0479	.00018	.055	.00070	.00010	.00041	.00028
%RSD	.27421	.69406	1.0533	.93592	.20967	.40619	.19511	74.793	.21402	.53125
#1	.04285	.02194	48.391	5.0888	.08790	13.502	.35969	.00006	.19134	.05273
#2	.04269	.02173	47.676	5.1566	.08816	13.580	.36068	.00021	.19076	.05313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9682**	**.03070**	**.67349**	**.00052**	**.00121**	**3.2360**	**6.9250**	**.00441**	**.01688**	**.00919**
Stddev	.0001	.00171	.00275	.00013	.00150	.0559	.1195	.00033	.00025	.00041
%RSD	.00354	5.5842	.40878	24.845	123.49	1.7263	1.7263	7.4703	1.5009	4.4767
#1	2.9681	.02949	.67544	.00043	.00015	3.2755	7.0095	.00417	.01706	.00890
#2	2.9683	.03191	.67155	.00061	.00227	3.1965	6.8405	.00464	.01670	.00948
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34836**	**-.00033**	**-.04435**	**.05173**	**.28767**	**.00971**
Stddev	.00028	.00043	.00668	.00047	.00044	.00224
%RSD	.08020	132.48	15.062	.91075	.15467	23.070
#1	.34817	-.00002	-.04907	.05207	.28735	.01130
#2	.34856	-.00063	-.03962	.05140	.28798	.00813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7371.0**	**83555.**	**6956.8**
Stddev	1.2	174.	33.8
%RSD	.01653	.20872	.48515
#1	7371.8	83679.	6980.6
#2	7370.1	83432.	6932.9

Sample Name: 280-48651-a-5-a Acquired: 11/14/2013 17:46:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**45.562**	**.01033**	**.01713**	**.16972**	**.00155**	**-.01673**	**13.986**	**.00413**	**.01850**
Stddev	.00001	.262	.00001	.00041	.00024	.00002	.00205	.054	.00000	.00010
%RSD	1.1598	.57603	.12582	2.4201	.13967	1.0738	12.264	.38770	.02558	.54807
#1	-.00083	45.377	.01034	.01683	.16989	.00154	-.01818	13.947	.00413	.01857
#2	-.00082	45.748	.01032	.01742	.16955	.00156	-.01528	14.024	.00413	.01843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05206**	**.11703**	**71.778**	**6.0487**	**.07797**	**14.362**	**.52244**	**.00123**	**.21999**	**.06718**
Stddev	.00007	.00080	.672	.0165	.00077	.062	.00142	.00009	.00510	.00030
%RSD	.13875	.68099	.93562	.27355	.98906	.43151	.27145	7.0254	2.3189	.44857
#1	.05201	.11760	71.303	6.0370	.07851	14.405	.52344	.00116	.22359	.06739
#2	.05211	.11647	72.253	6.0604	.07742	14.318	.52143	.00129	.21638	.06696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.7131**	**.21699**	**1.5686**	**.00105**	**.00009**	**3.4420**	**7.3658**	**.08068**	**.08228**	**.01208**
Stddev	.0102	.00049	.0025	.00202	.00008	.0190	.0406	.00095	.00052	.00106
%RSD	.17912	.22583	.15749	192.66	89.180	.55054	.55054	1.1783	.62713	8.7805
#1	5.7203	.21733	1.5703	-.00038	.00003	3.4286	7.3371	.08135	.08192	.01133
#2	5.7059	.21664	1.5668	.00247	.00015	3.4554	7.3945	.08000	.08265	.01283
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52265**	**-.00080**	W **-.09309**	**.07294**	**1.0619**	**.00826**
Stddev	.00472	.00016	.00779	.00025	.0049	.00138
%RSD	.90216	19.529	8.3685	.34589	.45733	16.695
#1	.52599	-.00091	-.09860	.07312	1.0653	.00923
#2	.51932	-.00069	-.08758	.07276	1.0585	.00728
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7374.9**	**83213.**	**6947.8**
Stddev	28.7	735.	56.3
%RSD	.38894	.88342	.80996
#1	7354.7	82693.	6987.6
#2	7395.2	83733.	6908.1

Sample Name: 280-48486-a-1-e Acquired: 11/14/2013 17:48:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**46.735**	**.03694**	**.02079**	**.21967**	**.00225**	**-.00922**	**107.72**	**.00137**	**.03739**
Stddev	.00002	.105	.00043	.00029	.00005	.00007	.00175	.03	.00008	.00024
%RSD	12.352	.22426	1.1635	1.3895	.02261	2.9404	18.999	.02975	5.8295	.64340
#1	-.00020	46.810	.03724	.02100	.21964	.00229	-.00798	107.74	.00131	.03756
#2	-.00017	46.661	.03663	.02059	.21971	.00220	-.01045	107.70	.00142	.03722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05824**	**.12622**	**105.00**	**6.8959**	**.08639**	**30.811**	**3.9265**	**.00196**	**.32067**	**.08068**
Stddev	.00038	.00106	.21	.0712	.00193	.130	.0623	.00006	.01101	.00002
%RSD	.65254	.84363	.19882	1.0320	2.2311	.42148	1.5858	2.9423	3.4327	.02706
#1	.05797	.12547	104.86	6.9462	.08502	30.719	3.8825	.00200	.32845	.08070
#2	.05850	.12697	105.15	6.8456	.08775	30.903	3.9706	.00192	.31288	.08067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3129**	**.04620**	**.75305**	**.00152**	**.00099**	**3.1449**	**6.7301**	**.00340**	**.17135**	**.01809**
Stddev	.0067	.00071	.00353	.00211	.00233	.0371	.0794	.00017	.00015	.00110
%RSD	.20211	1.5271	.46921	138.67	235.72	1.1795	1.1795	4.9378	.08596	6.0809
#1	3.3081	.04570	.75554	.00302	.00264	3.1711	6.7863	.00328	.17125	.01731
#2	3.3176	.04670	.75055	.00003	-.00066	3.1187	6.6740	.00352	.17146	.01887
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22431**	**-.00065**	F **-.10168**	**.08159**	**.27460**	**.01831**
Stddev	.00532	.00032	.02121	.00014	.00164	.00172
%RSD	2.3702	49.443	20.860	.17361	.59710	9.4052
#1	.22055	-.00043	-.11668	.08149	.27344	.01709
#2	.22807	-.00088	-.08668	.08169	.27576	.01952
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7376.5**	**83628.**	**7054.9**
Stddev	24.9	205.	32.9
%RSD	.33694	.24460	.46693
#1	7358.9	83773.	7031.6
#2	7394.1	83484.	7078.2

Sample Name: 280-48773-c-4-a@10 Acquired: 11/14/2013 17:51:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.01490**	**.00056**	**.11235**	**.00165**	**-.00006**	**.00341**	**5.2630**	**-.00027**	**-.00037**
Stddev	.00021	.00255	.00152	.00030	.00014	.00006	.00065	.0264	.00010	.00011
%RSD	164.40	17.110	271.81	.26477	8.2545	110.48	18.947	.50197	37.244	31.299
#1	-.00027	.01670	-.00052	.11256	.00175	-.00001	.00295	5.2444	-.00020	-.00029
#2	.00002	.01310	.00163	.11214	.00156	-.00010	.00386	5.2817	-.00034	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00022**	**.04617**	**.07906**	**.00505**	**1.1411**	**.01355**	**.00043**	**88.843**	**.00004**
Stddev	.00017	.00049	.00969	.04103	.00010	.0072	.00003	.00020	.060	.00008
%RSD	1072.0	221.79	20.997	51.896	1.9735	.62938	.19423	46.394	.06780	206.32
#1	.00011	-.00057	.03931	.10807	.00498	1.1360	.01356	.00029	88.885	-.00002
#2	-.00014	.00013	.05302	.05005	.00512	1.1462	.01353	.00057	88.800	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00232**	**.00001**	**29.570**	**-.00006**	**.00073**	**.46745**	**1.0003**	**.00205**	**.12926**	**.00337**
Stddev	.00041	.00133	.092	.00029	.00526	.00346	.0074	.00075	.00004	.00020
%RSD	17.828	16068.	.30967	455.98	717.83	.74062	.74062	36.419	.02918	6.0149
#1	.00203	-.00093	29.635	-.00027	-.00298	.46990	1.0056	.00257	.12924	.00322
#2	.00262	.00095	29.505	.00014	.00445	.46500	.99511	.00152	.12929	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00129**	**-.03321**	**.00043**	**.00564**	**-.00063**
Stddev	.00009	.00057	.02188	.00041	.00016	.00040
%RSD	42.260	43.840	65.899	96.018	2.8767	63.037
#1	-.00029	.00169	-.01773	.00014	.00553	-.00035
#2	-.00016	.00089	-.04868	.00072	.00576	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.7**	**79507.**	**6538.8**
Stddev	26.1	180.	10.4
%RSD	.37644	.22652	.15853
#1	6916.3	79379.	6546.2
#2	6953.2	79634.	6531.5

Sample Name: 280-48773-c-5-a@10 Acquired: 11/14/2013 17:53:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00750**	**-.00257**	**.17658**	**.00163**	**.00001**	**.00532**	**8.1462**	**-.00005**	**-.00037**
Stddev	.00064	.00001	.00118	.00042	.00019	.00010	.00063	.0583	.00031	.00008
%RSD	138.09	.19843	45.904	.23517	11.446	1549.1	11.785	.71559	678.36	20.852
#1	-.00001	.00751	-.00174	.17628	.00176	.00008	.00487	8.1874	.00018	-.00031
#2	-.00091	.00749	-.00340	.17687	.00150	-.00007	.00576	8.1050	-.00027	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00025**	**.01613**	**.09432**	**.00883**	**1.6294**	**.01535**	**.00073**	**118.07**	**.00013**
Stddev	.00003	.00036	.00085	.03613	.00112	.0030	.00000	.00018	.47	.00006
%RSD	64.779	148.10	5.2890	38.309	12.718	.18354	.03014	25.158	.39648	44.529
#1	-.00003	-.00001	.01673	.11987	.00803	1.6273	.01535	.00086	118.40	.00009
#2	-.00008	.00050	.01553	.06877	.00962	1.6316	.01536	.00060	117.74	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**-.00035**	**43.989**	**.00157**	**.00295**	**.57118**	**1.2223**	**.00170**	**.22598**	**.00095**
Stddev	.00101	.00089	.103	.00120	.00077	.00460	.0098	.00064	.00059	.00185
%RSD	29.796	253.45	.23401	76.339	26.053	.80570	.80570	37.763	.25954	195.58
#1	.00409	-.00098	43.916	.00072	.00241	.57443	1.2293	.00125	.22640	-.00036
#2	.00267	.00028	44.062	.00242	.00350	.56792	1.2154	.00215	.22557	.00225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00107**	**-.03683**	**.00060**	**.00515**	**-.00045**
Stddev	.00003	.00061	.00084	.00020	.00081	.00020
%RSD	15.585	56.976	2.2760	33.025	15.653	44.757
#1	.00018	.00064	-.03743	.00074	.00572	-.00031
#2	.00022	.00150	-.03624	.00046	.00458	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6891.5**	**78415.**	**6541.4**
Stddev	5.4	281.	42.6
%RSD	.07813	.35864	.65172
#1	6895.3	78216.	6511.2
#2	6887.7	78614.	6571.5

Sample Name: 280-48773-c-6-a@10 Acquired: 11/14/2013 17:56:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00594**	**.00008**	**.19657**	**.00111**	**.00005**	**.00343**	**2.9355**	**-.00029**	**-.00028**
Stddev	.00013	.00001	.00005	.00242	.00003	.00000	.00107	.0200	.00015	.00001
%RSD	21.636	.09093	59.996	1.2319	2.6884	4.1220	31.149	.68268	51.813	2.4072
#1	-.00068	.00594	.00005	.19828	.00109	.00005	.00268	2.9497	-.00040	-.00029
#2	-.00050	.00595	.00011	.19486	.00113	.00005	.00419	2.9213	-.00019	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00007**	**.01181**	**.10968**	**.02959**	**.55810**	**.00029**	**.00071**	**89.886**	**.00019**
Stddev	.00018	.00001	.00267	.02453	.00118	.00522	.00008	.00002	.322	.00003
%RSD	85.286	9.6147	22.652	22.369	3.9968	.93479	27.315	3.1864	.35810	18.311
#1	.00034	-.00008	.01370	.12703	.03043	.55441	.00034	.00070	89.658	.00021
#2	.00009	-.00007	.00992	.09233	.02875	.56179	.00023	.00073	90.113	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**-.00042**	**38.545**	**.00127**	**.00909**	**.39675**	**.84904**	**.00238**	**.20757**	**.00241**
Stddev	.00074	.00089	.070	.00339	.00393	.01098	.02349	.00030	.00086	.00061
%RSD	51.596	212.23	.18176	266.01	43.242	2.7665	2.7665	12.478	.41295	25.315
#1	.00092	-.00105	38.594	.00367	.00631	.40451	.86565	.00259	.20697	.00198
#2	.00197	.00021	38.495	-.00112	.01187	.38899	.83243	.00217	.20818	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00178**	W **-.05472**	**.00138**	**.00560**	**-.00120**
Stddev	.00013	.00058	.06692	.00033	.00009	.00111
%RSD	22.869	32.654	122.28	23.905	1.6119	92.884
#1	-.00047	.00137	-.00741	.00162	.00554	-.00199
#2	-.00065	.00219	-.10204	.00115	.00566	-.00041
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6920.8**	**79186.**	**6493.1**
Stddev	3.0	149.	4.4
%RSD	.04311	.18857	.06837
#1	6918.7	79291.	6496.2
#2	6922.9	79080.	6489.9

Sample Name: 280-48773-c-7-a@10 Acquired: 11/14/2013 17:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00669**	**-.00050**	**.15246**	**.00095**	**-.00004**	**.00376**	**2.1308**	**-.00035**	**-.00043**
Stddev	.00026	.00023	.00107	.00056	.00004	.00003	.00126	.0142	.00000	.00008
%RSD	68.612	3.3935	214.34	.36969	4.2378	68.866	33.463	.66780	.83968	18.280
#1	-.00057	.00685	.00026	.15206	.00092	-.00006	.00465	2.1208	-.00035	-.00038
#2	-.00020	.00653	-.00126	.15286	.00097	-.00002	.00287	2.1409	-.00035	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00004**	**.01038**	**.21066**	**.04768**	**.26543**	**.00022**	**-.00010**	**101.05**	**.00006**
Stddev	.00006	.00036	.00266	.00286	.00105	.00350	.00000	.00004	.09	.00024
%RSD	88.538	806.10	25.574	1.3597	2.2065	1.3180	1.4297	42.003	.08963	441.82
#1	-.00002	.00021	.00851	.20863	.04842	.26791	.00022	-.00007	101.12	.00023
#2	-.00010	-.00030	.01226	.21268	.04694	.26296	.00022	-.00013	100.99	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00003**	**35.329**	**.00129**	**.00632**	**.44800**	**.95872**	**.00150**	**.16572**	**.00209**
Stddev	.00053	.00047	.061	.00127	.00047	.01938	.04147	.00013	.00079	.00054
%RSD	34.471	1388.0	.17198	98.878	7.3846	4.3255	4.3255	8.8507	.47876	25.998
#1	.00193	-.00037	35.372	.00219	.00665	.46170	.98804	.00140	.16628	.00170
#2	.00117	.00030	35.287	.00039	.00599	.43430	.92940	.00159	.16516	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00083**	**-.04332**	**.00458**	**.00506**	**-.00263**
Stddev	.00162	.00051	.01613	.00063	.00005	.00030
%RSD	150.70	62.005	37.238	13.670	.90536	11.412
#1	-.00007	.00119	-.05472	.00503	.00509	-.00284
#2	.00222	.00046	-.03191	.00414	.00502	-.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.4**	**78803.**	**6484.3**
Stddev	12.5	810.	34.2
%RSD	.18151	1.0281	.52705
#1	6912.3	78230.	6508.4
#2	6894.6	79376.	6460.1

Sample Name: 280-48773-c-8-a@10 Acquired: 11/14/2013 18:00:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00762**	**-.00308**	**.13898**	**.00165**	**.00004**	**.00294**	**4.9344**	**-.00026**	**-.00034**
Stddev	.00026	.00001	.00075	.00018	.00057	.00002	.00121	.0100	.00008	.00002
%RSD	48.877	.19640	24.365	.12635	34.636	56.448	41.033	.20172	31.977	5.0071
#1	-.00070	.00763	-.00361	.13910	.00125	.00002	.00379	4.9415	-.00032	-.00033
#2	-.00034	.00761	-.00255	.13885	.00206	.00005	.00209	4.9274	-.00020	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00034**	**.01216**	**.10134**	**.01715**	**1.1345**	**.00084**	**.00005**	**95.071**	**-.00012**
Stddev	.00001	.00035	.00217	.00409	.00181	.0001	.00002	.00007	.416	.00034
%RSD	8.3922	105.16	17.802	4.0401	10.551	.00882	2.7382	148.47	.43757	287.80
#1	.00019	.00009	.01063	.10424	.01843	1.1345	.00082	.00000	95.365	-.00036
#2	.00017	.00058	.01369	.09845	.01587	1.1346	.00085	.00010	94.777	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**-.00036**	**32.405**	**-.00131**	**.00928**	**.42766**	**.91519**	**.00179**	**.17371**	**-.00035**
Stddev	.00011	.00011	.080	.00161	.00148	.00729	.01559	.00012	.00030	.00036
%RSD	3.4620	30.397	.24541	122.49	15.909	1.7036	1.7036	6.6444	.17196	102.62
#1	.00323	-.00044	32.461	-.00245	.01032	.42251	.90417	.00188	.17393	-.00010
#2	.00307	-.00028	32.349	-.00018	.00824	.43281	.92622	.00171	.17350	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00126**	**-.03776**	**.00068**	**.00642**	**.00042**
Stddev	.00004	.00019	.00423	.00004	.00000	.00047
%RSD	33.399	14.745	11.199	5.3160	.07431	110.87
#1	.00016	.00139	-.04075	.00071	.00642	.00009
#2	.00010	.00113	-.03477	.00065	.00641	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.9**	**78308.**	**6401.1**
Stddev	14.8	59.	58.9
%RSD	.21403	.07528	.91938
#1	6914.3	78350.	6442.7
#2	6893.4	78267.	6359.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:03:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00377**	**49.894**	**-.00227**	**.00047**	**.00036**	**.00001**	**1.0101**	**.01611**	**.00063**	**-.00091**	**.00017**	**-.00451**	**50.533**
Stddev	.00068	.434	.00303	.00043	.00011	.00003	.0044	.00169	.00008	.00001	.00016	.00011	.109
%RSD	18.111	.87009	133.30	91.750	31.385	344.71	.43471	10.490	12.369	.70006	97.771	2.3796	.21630
#1	-.00329	49.587	-.00013	.00078	.00044	.00003	1.0070	.01491	.00057	-.00092	.00028	-.00444	50.456
#2	-.00426	50.201	-.00442	.00017	.00028	-.00001	1.0132	.01730	.00068	-.00091	.00005	-.00459	50.611
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08637**	**.00108**	**.06912**	**-.00007**	**.00043**	**249.83**	**-.00088**	**.00356**	**-.00124**	**4.9540**	**.00110**	**-.00500**	**-.00917**
Stddev	.05411	.00014	.00044	.00006	.00022	1.53	.00031	.00185	.00085	.0076	.00194	.00209	.00146
%RSD	62.644	13.348	.63527	82.629	51.110	.61068	35.254	51.843	68.972	.15381	176.52	41.841	15.952
#1	.04811	.00118	.06943	-.00012	.00027	248.75	-.00066	.00226	-.00063	4.9486	-.00027	-.00352	-.00814
#2	.12463	.00098	.06881	-.00003	.00058	250.91	-.00110	.00487	-.00184	4.9593	.00248	-.00647	-.01021
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01963**	**-.00060**	**.00004**	**4.9670**	**.00950**	**.00254**	F **7.7481**	**.00039**	**.00180**	**-.06040**
Stddev	.00313	.00038	.00008	.0194	.00046	.00033	.0574	.00008	.00049	.00049
%RSD	15.952	63.354	225.99	.39032	4.8343	13.032	.74125	20.952	27.127	.81486
#1	-.01742	-.00033	.00009	4.9532	.00918	.00277	7.7074	.00045	.00214	-.06005
#2	-.02185	-.00087	-.00002	4.9807	.00983	.00231	7.7887	.00033	.00145	-.06074
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.7**	**77349.**	**6432.0**
Stddev	24.7	189.	24.5
%RSD	.35696	.24386	.38072
#1	6902.2	77216.	6449.4
#2	6937.1	77483.	6414.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:05:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51165**	**.52563**	**.99648**	**.50090**	**.49272**	**.47938**	**-.01316**	**4.8261**	**.48856**	**.49933**	**.51176**	**.49653**	**2.5155**
Stddev	.00094	.00984	.00025	.00028	.00255	.00218	.00140	.0089	.00001	.00117	.00085	.00102	.0093
%RSD	.18322	1.8724	.02504	.05617	.51657	.45520	10.640	.18421	.00115	.23424	.16670	.20491	.37004
#1	.51231	.51867	.99665	.50110	.49452	.48092	-.01217	4.8198	.48856	.49850	.51237	.49581	2.5221
#2	.51099	.53259	.99630	.50070	.49092	.47783	-.01415	4.8324	.48857	.50016	.51116	.49724	2.5089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.113**	**.96850**	**19.926**	**.49303**	**.51101**	**5.0051**	**.51445**	**1.0004**	**.98629**	**.00685**	**.99887**	**1.0065**	**4.9866**
Stddev	.126	.00565	.008	.00028	.00006	.0314	.00081	.0015	.00174	.01291	.00183	.0003	.0097
%RSD	.26241	.58379	.04260	.05596	.01115	.62676	.15810	.14845	.17665	188.54	.18279	.03179	.19437
#1	48.203	.97250	19.932	.49323	.51097	5.0273	.51387	1.0014	.98506	-.00228	1.0002	1.0067	4.9935
#2	48.024	.96450	19.920	.49284	.51105	4.9829	.51502	.99931	.98752	.01597	.99758	1.0063	4.9798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0115**	**.48767**	**.00453**	**.49842**	**.99864**	**-.09352**	**.48774**	**.50341**	**.48875**
Stddev	.021	.0021	.00195	.00195	.00046	.00059	.01546	.00276	.00004	.00158
%RSD	.19437	.20678	.40072	43.012	.09201	.05867	16.534	.56665	.00810	.32231
#1	10.686	1.0101	.48905	.00315	.49875	.99823	-.08259	.48578	.50338	.48987
#2	10.657	1.0130	.48629	.00591	.49810	.99906	-.10446	.48969	.50344	.48764
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7029.8**	**80131.**	**6602.3**
Stddev	29.3	313.	5.2
%RSD	.41609	.39005	.07861
#1	7050.5	79910.	6606.0
#2	7009.1	80352.	6598.6

Sample Name: CCB Acquired: 11/14/2013 18:07:40 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00025**	**-.00164**	**.00044**	**.00032**	**.00006**	**.00276**	**.00043**	**-.00002**	**-.00006**	**.00000**	**-.00043**
Stddev	.00020	.00126	.00124	.00021	.00003	.00016	.00055	.00477	.00013	.00001	.00012	.00013
%RSD	29.677	502.43	75.764	47.800	9.1354	267.82	19.976	1105.2	613.72	10.338	29299.	31.650
#1	-.00080	-.00064	-.00252	.00059	.00034	.00017	.00237	-.00294	.00007	-.00006	.00008	-.00052
#2	-.00052	.00114	-.00076	.00029	.00030	-.00005	.00315	.00381	-.00011	-.00006	-.00008	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00486**	**.05269**	**.00141**	**.00008**	**.00004**	**.00034**	**.04938**	**.00025**	**.00002**	**-.00035**	**.00149**	W **.00406**
Stddev	.00379	.01158	.00025	.00036	.00000	.00001	.00863	.00001	.00073	.00044	.00107	.00083
%RSD	77.917	21.980	17.876	427.44	10.832	3.3793	17.467	4.2212	3552.1	125.04	71.414	20.498
#1	-.00753	.06088	.00123	.00034	.00003	.00035	.05548	.00026	-.00049	-.00004	.00074	.00465
#2	-.00218	.04450	.00159	-.00017	.00004	.00033	.04328	.00024	.00054	-.00067	.00225	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**.01191**	**.02550**	**-.00046**	**-.00021**	**.00161**	**.00017**	**.00125**	**-.00392**	**.00041**	**.00258**	W **.00242**
Stddev	.00579	.00789	.01688	.00003	.00006	.00080	.00005	.00124	.03243	.00009	.00025	.00039
%RSD	188.75	66.198	66.198	7.6156	28.620	49.537	27.886	99.549	827.45	21.395	9.7872	15.911
#1	-.00716	.01749	.03743	-.00048	-.00017	.00104	.00014	.00037	.01901	.00048	.00276	.00269
#2	.00103	.00634	.01356	-.00043	-.00025	.00217	.00020	.00213	-.02685	.00035	.00240	.00215
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7103.0**	**81367.**	**6590.4**
Stddev	9.5	84.	51.5
%RSD	.13322	.10280	.78220
#1	7096.3	81308.	6626.8
#2	7109.7	81427.	6553.9

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:09:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.10949**	**.01466**	**.09997**	**.01070**	**.00105**	**.11457**	**.21439**	**.00499**	**.01052**	**.01064**	**.01469**	**.10321**
Stddev	.00014	.00055	.00094	.00118	.00008	.00011	.00405	.00251	.00023	.00003	.00002	.00007	.00147
%RSD	1.4457	.49843	6.4047	1.1810	.70196	10.912	3.5325	1.1708	4.6444	.33226	.14564	.45854	1.4287
#1	.00965	.10988	.01532	.09913	.01075	.00113	.11743	.21616	.00482	.01054	.01063	.01474	.10217
#2	.00985	.10911	.01399	.10080	.01065	.00097	.11171	.21261	.00515	.01049	.01065	.01464	.10425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0231**	**.01275**	**.21291**	**.01040**	**.02043**	**1.0896**	**.04329**	**2.9312**	**.00925**	**.00188**	**.01159**	**.01182**	**.49615**
Stddev	.0695	.00038	.00055	.00000	.00020	.0028	.00029	.0133	.00036	.00205	.00082	.00157	.02135
%RSD	2.2981	2.9497	.25974	.03483	.99922	.25704	.66634	.45360	3.8627	109.24	7.1152	13.242	4.3024
#1	3.0722	.01249	.21330	.01040	.02058	1.0877	.04309	2.9218	.00900	.00333	.01218	.01293	.48106
#2	2.9740	.01302	.21252	.01040	.02029	1.0916	.04349	2.9406	.00950	.00043	.01101	.01071	.51124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0618**	**.10292**	**.01010**	**.01603**	**.00990**	**.01579**	F **.07805**	**.00964**	**.02505**	**.01420**
Stddev	.0457	.00026	.00021	.00191	.00036	.00135	.03806	.00022	.00032	.00020
%RSD	4.3024	.25699	2.0484	11.922	3.6285	8.5721	48.767	2.2408	1.2889	1.4246
#1	1.0295	.10273	.01025	.01468	.01015	.01675	.10497	.00949	.02482	.01406
#2	1.0941	.10311	.00996	.01738	.00964	.01483	.05114	.00979	.02528	.01434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.8**	**81210.**	**6466.3**
Stddev	8.3	471.	54.1
%RSD	.11758	.58006	.83728
#1	7060.9	81543.	6428.0
#2	7072.7	80877.	6504.6

Sample Name: mb 280-199584/1-a Acquired: 11/14/2013 18:12:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00503**	**-.00230**	**.00219**	**.00039**	**.00004**	**.00447**	**.04294**	**-.00015**	**.00007**
Stddev	.00009	.00046	.00062	.00070	.00022	.00005	.00198	.00130	.00009	.00006
%RSD	299.58	9.1197	27.085	32.164	56.464	134.12	44.212	3.0348	58.658	90.440
#1	-.00010	.00535	-.00274	.00169	.00023	.00000	.00307	.04386	-.00009	.00011
#2	.00004	.00470	-.00186	.00269	.00054	.00008	.00587	.04202	-.00021	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00046**	**.00922**	**.04222**	**.00030**	**.01109**	**.00028**	**-.00022**	F **1.0237**	**.00007**
Stddev	.00005	.00016	.00066	.00669	.00097	.00075	.00004	.00010	.0018	.00000
%RSD	20.741	34.681	7.1622	15.844	324.57	6.7320	14.124	47.844	.17162	5.3488
#1	.00026	-.00058	.00969	.04695	-.00039	.01056	.00025	-.00029	1.0250	.00007
#2	.00019	-.00035	.00875	.03749	.00099	.01161	.00031	-.00014	1.0225	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00033**	F **.42291**	**.00037**	**.00026**	**.03260**	**.06976**	**.00001**	**.00226**	**.00161**
Stddev	.00071	.00177	.00388	.00129	.00204	.02502	.05353	.00056	.00005	.00066
%RSD	56.606	538.36	.91818	349.23	792.73	76.740	76.740	4216.0	1.9965	41.007
#1	.00075	.00158	.42565	-.00054	-.00119	.01491	.03191	.00041	.00223	.00114
#2	.00175	-.00092	.42016	.00128	.00170	.05029	.10762	-.00038	.00229	.00207
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00031**	**-.01085**	**-.00028**	**.00359**	**-.00197**
Stddev	.00002	.00065	.00656	.00073	.00031	.00103
%RSD	11.616	207.93	60.407	260.93	8.5823	52.193
#1	.00019	-.00015	-.00622	.00024	.00380	-.00269
#2	.00016	.00077	-.01549	-.00080	.00337	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7132.2**	**82164.**	**6543.7**
Stddev	26.3	337.	21.2
%RSD	.36808	.41025	.32327
#1	7113.6	82402.	6558.7
#2	7150.7	81925.	6528.8

Sample Name: lcs 280-199584/2-a Acquired: 11/14/2013 18:14:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04884**	**1.9603**	**.99457**	**1.0013**	**1.9963**	**.04867**	**2.0355**	**47.654**	**.09799**	**.48727**
Stddev	.00023	.0018	.00324	.0030	.0075	.00022	.0033	.173	.00048	.00016
%RSD	.47996	.09140	.32550	.29938	.37732	.44584	.16341	.36270	.48768	.03221
#1	.04867	1.9590	.99228	.99917	1.9910	.04851	2.0332	47.531	.09765	.48738
#2	.04900	1.9615	.99686	1.0034	2.0016	.04882	2.0379	47.776	.09832	.48716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.24576**	**1.0025**	**49.348**	**.99091**	**49.512**	**.48745**	**1.0194**	**50.754**	**.50073**
Stddev	.00000	.00060	.0080	.086	.00675	.060	.00028	.0001	.609	.00036
%RSD	.00016	.24225	.80057	.17493	.68126	.12197	.05661	.00856	1.2000	.07112
#1	.20512	.24618	.99686	49.287	.98613	49.554	.48764	1.0194	50.324	.50048
#2	.20512	.24534	1.0082	49.409	.99568	49.469	.48725	1.0193	51.185	.50098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.078**	**.47560**	**-.00491**	**.49932**	**1.9904**	**10.104**	**21.622**	**2.0099**	**.98794**	**.99180**
Stddev	.016	.00132	.00039	.00338	.0044	.069	.148	.0092	.00263	.00064
%RSD	.15423	.27804	7.9283	.67680	.22177	.68397	.68397	.45756	.26648	.06467
#1	10.067	.47467	-.00463	.49693	1.9873	10.055	21.517	2.0034	.98608	.99134
#2	10.089	.47654	-.00518	.50171	1.9935	10.152	21.726	2.0165	.98980	.99225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0051**	**1.9127**	F **3.1629**	**.49297**	**.49282**	**.48837**
Stddev	.0007	.0088	.0009	.00082	.00034	.00161
%RSD	.06527	.45755	.02973	.16657	.06827	.32964
#1	1.0046	1.9065	3.1636	.49239	.49258	.48951
#2	1.0056	1.9189	3.1622	.49355	.49305	.48724
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6860.7**	**78435.**	**6531.1**
Stddev	21.0	90.	5.2
%RSD	.30612	.11503	.08007
#1	6845.9	78498.	6534.8
#2	6875.6	78371.	6527.4

Sample Name: 280-48773-c-1-e@10 Acquired: 11/14/2013 18:16:50 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.16201**	**.00043**	**.12519**	**.00441**	**.00005**	**.00278**	**1.9106**	**-.00013**	**-.00015**
Stddev	.00007	.00014	.00095	.00068	.00017	.00002	.00149	.0081	.00007	.00016
%RSD	98.627	.08369	223.24	.54359	3.7824	50.408	53.756	.42373	56.580	102.83
#1	.00013	.16192	-.00025	.12567	.00429	.00006	.00384	1.9048	-.00008	-.00027
#2	.00002	.16211	.00110	.12471	.00453	.00003	.00172	1.9163	-.00018	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00020**	**.08312**	**.18857**	**.00420**	**.76997**	**.01228**	**.00300**	**85.543**	**.00038**
Stddev	.00001	.00009	.00132	.02931	.00097	.00231	.00011	.00035	.354	.00015
%RSD	3.6979	44.130	1.5839	15.541	23.100	.29952	.93085	11.752	.41439	39.113
#1	.00017	.00013	.08219	.20929	.00488	.76834	.01236	.00325	85.793	.00027
#2	.00016	.00026	.08405	.16785	.00351	.77160	.01219	.00275	85.292	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00668**	**-.00078**	**22.031**	**.00045**	**.00048**	**.69872**	**1.4953**	**.00178**	**.05990**	**.00262**
Stddev	.00058	.00062	.001	.00011	.00091	.00534	.0114	.00072	.00031	.00294
%RSD	8.6218	79.408	.00564	24.662	190.05	.76473	.76473	40.549	.52216	112.18
#1	.00628	-.00034	22.030	.00053	.00113	.69494	1.4872	.00127	.05968	.00054
#2	.00709	-.00121	22.032	.00037	-.00017	.70250	1.5033	.00229	.06012	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00077**	**-.04383**	**.00043**	**.00543**	**.00073**
Stddev	.00008	.00019	.03993	.00020	.00029	.00139
%RSD	7.9241	24.220	91.105	46.507	5.2946	189.57
#1	.00109	.00064	-.01559	.00057	.00563	-.00025
#2	.00098	.00090	-.07206	.00029	.00523	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6983.7**	**79798.**	**6515.2**
Stddev	1.3	264.	26.5
%RSD	.01915	.33054	.40662
#1	6982.8	79984.	6533.9
#2	6984.6	79611.	6496.4

Sample Name: 280-48773-c-1-eSD@50 Acquired: 11/14/2013 18:19:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.03783**	**.00078**	**.02502**	**.00097**	**.00008**	**.00253**	**.38303**	**-.00009**	**-.00019**
Stddev	.00052	.00014	.00078	.00077	.00007	.00005	.00100	.00384	.00001	.00002
%RSD	1663.0	.37499	99.828	3.0783	7.5877	71.175	39.398	1.0027	5.8788	10.987
#1	.00040	.03773	.00133	.02556	.00091	.00004	.00323	.38032	-.00010	-.00017
#2	-.00034	.03793	.00023	.02447	.00102	.00012	.00182	.38575	-.00009	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00030**	**.02700**	**.11210**	**.00107**	**.15839**	**.00260**	**.00033**	**17.485**	**.00006**
Stddev	.00006	.00027	.00061	.00838	.00100	.00049	.00003	.00003	.188	.00016
%RSD	78.741	90.794	2.2580	7.4744	93.153	.31053	1.2010	8.8805	1.0780	276.53
#1	-.00003	-.00011	.02657	.11802	.00037	.15873	.00258	.00031	17.618	-.00006
#2	-.00012	-.00049	.02743	.10618	.00178	.15804	.00262	.00035	17.351	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00054**	**4.2766**	**.00008**	**-.00211**	**.14840**	**.31758**	**.00217**	**.01182**	**.00155**
Stddev	.00123	.00055	.0158	.00203	.00269	.00941	.02013	.00020	.00019	.00394
%RSD	775.68	101.37	.37014	2548.6	127.63	6.3385	6.3385	9.1725	1.5860	254.41
#1	.00103	-.00093	4.2654	-.00136	-.00021	.14175	.30334	.00232	.01195	.00433
#2	-.00071	-.00015	4.2878	.00152	-.00401	.15505	.33181	.00203	.01168	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00114**	**-.02865**	**.00041**	**.00565**	**-.00181**
Stddev	.00020	.00122	.11382	.00040	.00049	.00069
%RSD	167.83	107.26	397.24	96.951	8.6810	38.183
#1	.00002	.00028	-.10914	.00070	.00530	-.00132
#2	-.00026	.00201	.05183	.00013	.00600	-.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7060.5**	**81103.**	**6587.9**
Stddev	45.8	157.	46.2
%RSD	.64807	.19317	.70081
#1	7092.9	81214.	6620.6
#2	7028.2	80992.	6555.3

Sample Name: 48773-c-1-f ms@10 Acquired: 11/14/2013 18:21:33 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**.42463**	**.09744**	**.21547**	**.19847**	**.00475**	F **.20630**	**6.4499**	**.00930**	**.04886**
Stddev	.00023	.00084	.00139	.00195	.00022	.00006	.00262	.0234	.00002	.00045
%RSD	6.0188	.19874	1.4287	.90466	.11029	1.2741	1.2692	.36337	.17644	.92701
#1	.00404	.42403	.09645	.21410	.19831	.00480	.20445	6.4334	.00932	.04854
#2	.00371	.42523	.09842	.21685	.19862	.00471	.20815	6.4665	.00929	.04918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02013**	**.02485**	**.19609**	**4.9509**	**.10163**	**5.5238**	**.06002**	**.10285**	**85.723**	**.05122**
Stddev	.00009	.00003	.00012	.0436	.00121	.0272	.00009	.00036	.293	.00094
%RSD	.45129	.13742	.06319	.88096	1.1935	.49275	.15576	.34851	.34195	1.8342
#1	.02006	.02483	.19600	4.9200	.10077	5.5045	.05995	.10260	85.930	.05056
#2	.02019	.02488	.19618	4.9817	.10249	5.5430	.06008	.10311	85.516	.05189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0041**	**.04726**	**20.859**	**.04775**	**.19618**	**1.7812**	**3.8119**	**.20034**	**.15176**	**.09650**
Stddev	.0035	.00202	.010	.00096	.00331	.0141	.0302	.00209	.00022	.00107
%RSD	.35049	4.2826	.04894	2.0075	1.6884	.79100	.79100	1.0451	.14466	1.1139
#1	1.0016	.04583	20.852	.04707	.19384	1.7713	3.7905	.19886	.15160	.09574
#2	1.0066	.04870	20.866	.04842	.19853	1.7912	3.8332	.20182	.15191	.09726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09918**	**.19060**	**.26140**	**.04864**	**.05561**	**.04512**
Stddev	.00038	.00000	.02979	.00033	.00047	.00115
%RSD	.38105	.00238	11.397	.67138	.83708	2.5424
#1	.09945	.19060	.24033	.04841	.05528	.04431
#2	.09891	.19061	.28247	.04887	.05594	.04593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.7**	**78893.**	**6474.9**
Stddev	24.9	292.	74.8
%RSD	.35963	.36956	1.1548
#1	6928.2	79099.	6422.0
#2	6893.1	78687.	6527.8

Sample Name: 48773-c-1-g msd@10 Acquired: 11/14/2013 18:23:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**.42916**	**.09965**	**.22021**	**.20204**	**.00479**	F **.20944**	**6.5230**	**.00981**	**.04990**
Stddev	.00060	.00035	.00081	.00111	.00017	.00002	.00429	.0130	.00009	.00013
%RSD	14.612	.08265	.80989	.50491	.08277	.33692	2.0486	.19943	.90858	.25199
#1	.00366	.42890	.10022	.21942	.20192	.00478	.20640	6.5138	.00975	.04981
#2	.00450	.42941	.09908	.22100	.20215	.00480	.21247	6.5322	.00987	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02062**	**.02501**	**.19496**	**5.0627**	**.10313**	**5.6262**	**.06107**	**.10507**	**86.651**	**.05228**
Stddev	.00022	.00014	.00003	.0833	.00334	.0009	.00002	.00001	.824	.00017
%RSD	1.0632	.55561	.01522	1.6447	3.2421	.01599	.02722	.00560	.95143	.31613
#1	.02046	.02491	.19498	5.0039	.10077	5.6256	.06108	.10507	86.068	.05216
#2	.02077	.02511	.19494	5.1216	.10550	5.6268	.06106	.10506	87.234	.05239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0273**	**.04708**	**21.175**	**.04956**	**.19888**	**1.8200**	**3.8947**	**.20522**	**.15434**	**.09858**
Stddev	.0046	.00037	.074	.00046	.00123	.0322	.0688	.00084	.00009	.00137
%RSD	.44588	.78703	.34775	.93494	.61717	1.7671	1.7671	.41081	.06134	1.3922
#1	1.0241	.04734	21.123	.04923	.19975	1.7972	3.8461	.20581	.15427	.09761
#2	1.0306	.04682	21.227	.04989	.19801	1.8427	3.9434	.20462	.15440	.09955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10098**	**.19352**	**.30039**	**.05024**	**.05632**	**.04737**
Stddev	.00007	.00022	.01334	.00008	.00021	.00013
%RSD	.06627	.11418	4.4422	.16118	.37548	.26417
#1	.10093	.19336	.30983	.05018	.05617	.04728
#2	.10103	.19368	.29095	.05030	.05646	.04746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6923.3**	**78981.**	**6439.5**
Stddev	2.2	234.	38.8
%RSD	.03178	.29669	.60186
#1	6921.8	79147.	6466.9
#2	6924.9	78816.	6412.1

Sample Name: 48773-c-1-ePDS@10 Acquired: 11/14/2013 18:26:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04611**	**1.1711**	**.20367**	**.21772**	**.10594**	**.04886**	**.00464**	**21.043**	**.04965**	**.04978**
Stddev	.00032	.0005	.00136	.00195	.00102	.00003	.00019	.069	.00045	.00030
%RSD	.68860	.04307	.66618	.89739	.96445	.05176	4.1873	.32970	.90070	.60176
#1	.04588	1.1714	.20271	.21910	.10522	.04887	.00451	20.993	.04996	.04999
#2	.04633	1.1707	.20462	.21634	.10666	.04884	.00478	21.092	.04933	.04957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05211**	**.04940**	**1.1139**	**20.013**	**.10604**	**20.692**	**.06172**	**.05286**	**102.70**	**.05202**
Stddev	.00050	.00013	.0017	.053	.00124	.083	.00040	.00012	.51	.00065
%RSD	.96890	.26828	.14779	.26599	1.1721	.40340	.64441	.22782	.50027	1.2545
#1	.05246	.04930	1.1128	19.975	.10692	20.751	.06200	.05294	102.34	.05249
#2	.05175	.04949	1.1151	20.051	.10516	20.633	.06144	.05277	103.06	.05156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0948**	**.09510**	**21.338**	**.09920**	**.20260**	**5.6352**	**12.059**	**.10074**	**.10732**	**.19956**
Stddev	.0192	.00050	.002	.00041	.00034	.0050	.011	.00124	.00083	.00119
%RSD	.91601	.52550	.00748	.40887	.17021	.08860	.08860	1.2308	.77221	.59821
#1	2.1084	.09475	21.339	.09891	.20236	5.6317	12.052	.10162	.10673	.19872
#2	2.0813	.09546	21.337	.09948	.20285	5.6387	12.067	.09986	.10791	.20040
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05044**	**.19372**	**.77623**	**.05110**	**.21312**	**.04425**
Stddev	.00069	.00145	.01080	.00077	.00064	.00178
%RSD	1.3772	.74772	1.3907	1.5040	.30128	4.0225
#1	.04995	.19475	.78386	.05165	.21266	.04551
#2	.05093	.19270	.76860	.05056	.21357	.04299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6848.3**	**77302.**	**6373.7**
Stddev	8.6	115.	5.6
%RSD	.12579	.14887	.08712
#1	6842.2	77221.	6377.6
#2	6854.4	77384.	6369.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:28:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00351**	**49.638**	**-.00304**	**.00074**	**.00055**	**-.00001**	**1.0072**	**.01884**	**.00056**	**-.00075**	**.00031**	**-.00461**	**50.589**
Stddev	.00048	.080	.00401	.00030	.00033	.00003	.0027	.00196	.00006	.00007	.00010	.00022	.248
%RSD	13.604	.16114	131.89	40.546	60.950	434.76	.27242	10.412	9.8228	8.7900	30.802	4.8583	.49066
#1	-.00317	49.695	-.00020	.00053	.00031	-.00002	1.0091	.02022	.00060	-.00079	.00025	-.00477	50.765
#2	-.00385	49.582	-.00587	.00095	.00079	.00001	1.0052	.01745	.00052	-.00070	.00038	-.00445	50.414
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18970**	**.00339**	**.06803**	**-.00011**	**.00034**	**249.64**	**-.00092**	**.00434**	**-.00166**	**4.9342**	**.00080**	**-.00733**	**-.00080**
Stddev	.04638	.00206	.00206	.00008	.00001	.23	.00020	.00037	.00002	.0105	.00049	.00098	.00342
%RSD	24.451	60.838	3.0248	72.098	4.1947	.09194	21.227	8.5241	1.3957	.21336	61.734	13.331	427.30
#1	.15690	.00485	.06658	-.00016	.00035	249.48	-.00078	.00461	-.00168	4.9267	.00115	-.00664	-.00321
#2	.22250	.00193	.06949	-.00005	.00033	249.81	-.00106	.00408	-.00165	4.9416	.00045	-.00802	.00162
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.00032**	**.00004**	**4.9959**	**.00922**	**.00276**	F **7.8035**	**.00038**	**.00249**	**-.05929**
Stddev	.00731	.00009	.00008	.0033	.00017	.00043	.0754	.00058	.00030	.00114
%RSD	427.30	28.364	207.43	.06565	1.8429	15.515	.96674	151.64	11.888	1.9168
#1	-.00688	.00025	-.00002	4.9936	.00934	.00245	7.7502	-.00003	.00228	-.05849
#2	.00346	.00038	.00009	4.9983	.00910	.00306	7.8569	.00079	.00270	-.06009
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.8**	**77797.**	**6362.6**
Stddev	24.1	57.	46.9
%RSD	.34913	.07289	.73777
#1	6919.8	77837.	6329.5
#2	6885.7	77757.	6395.8

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:30:42 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51059**	**.52558**	**.99933**	**.49816**	**.49690**	**.48040**	**-.01060**	**4.8200**	**.48420**	**.49791**	**.51083**	**.49354**	**2.5395**
Stddev	.00005	.00174	.00289	.00086	.00046	.00237	.00192	.0469	.00034	.00132	.00110	.00013	.0195
%RSD	.00881	.33185	.28870	.17217	.09295	.49280	18.164	.97335	.07083	.26477	.21497	.02650	.76731
#1	.51055	.52682	1.0014	.49755	.49658	.47872	-.01196	4.8531	.48444	.49884	.51161	.49344	2.5257
#2	.51062	.52435	.99729	.49876	.49723	.48207	-.00923	4.7868	.48395	.49697	.51005	.49363	2.5532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.385**	**.97468**	**20.058**	**.49496**	**.50758**	**5.0340**	**.51530**	**.99491**	**.98117**	**-.00274**	**.99043**	**.99922**	**5.0134**
Stddev	.104	.00034	.001	.00093	.00244	.0115	.00130	.00650	.00620	.00334	.00210	.00347	.0699
%RSD	.21393	.03480	.00706	.18844	.47997	.22886	.25133	.65349	.63198	121.80	.21224	.34759	1.3946
#1	48.312	.97492	20.057	.49562	.50930	5.0259	.51621	.99951	.98555	-.00510	.99192	1.0017	4.9640
#2	48.458	.97444	20.059	.49430	.50585	5.0422	.51438	.99031	.97678	-.00038	.98895	.99676	5.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.729**	**1.0069**	**.49025**	**.00211**	**.49936**	**.99387**	**-.04442**	**.48987**	**.50742**	**.49045**
Stddev	.150	.0035	.00051	.00099	.00098	.00558	.02858	.00292	.00049	.00214
%RSD	1.3946	.34330	.10393	47.088	.19651	.56165	64.335	.59557	.09648	.43667
#1	10.623	1.0094	.48989	.00141	.50005	.99782	-.02421	.48780	.50707	.49196
#2	10.834	1.0045	.49061	.00281	.49866	.98992	-.06463	.49193	.50776	.48893
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6975.2**	**78869.**	**6442.4**
Stddev	49.3	174.	7.7
%RSD	.70744	.22064	.11939
#1	6940.4	78746.	6436.9
#2	7010.1	78992.	6447.8

Sample Name: CCB Acquired: 11/14/2013 18:32:51 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00161**	**-.00173**	**.00070**	**.00015**	**.00005**	**.00271**	**-.00211**	**-.00001**	**-.00004**	**.00001**	**-.00035**	**-.00693**
Stddev	.00040	.00246	.00193	.00045	.00002	.00005	.00089	.00055	.00002	.00014	.00005	.00018	.00027
%RSD	52.401	153.02	111.67	64.204	13.310	112.73	32.906	26.017	135.54	388.54	359.80	51.748	3.8851
#1	-.00048	-.00013	-.00036	.00102	.00017	.00001	.00208	-.00172	-.00002	-.00013	-.00002	-.00022	-.00674
#2	-.00104	.00335	-.00310	.00038	.00014	.00009	.00334	-.00250	.00000	.00006	.00005	-.00048	-.00712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04290**	**.00175**	**.00446**	**.00000**	**-.00003**	**.05394**	**-.00001**	**-.00056**	**-.00023**	**.00173**	F **.00730**	**-.00021**	**.00579**
Stddev	.00288	.00149	.00019	.00003	.00019	.00598	.00031	.00021	.00081	.00021	.00070	.00000	.01595
%RSD	6.7158	85.274	4.2505	1229.1	722.88	11.079	2443.9	38.380	358.29	12.351	9.6484	1.8563	275.44
#1	.04494	.00069	.00459	-.00002	-.00016	.05816	.00021	-.00071	.00035	.00158	.00681	-.00022	-.00549
#2	.04086	.00280	.00432	.00003	.00011	.04971	-.00023	-.00041	-.00080	.00189	.00780	-.00021	.01707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01240**	**-.00075**	**-.00015**	**.00303**	**.00001**	**.00131**	**-.02656**	**-.00042**	**.00302**	**-.00112**
Stddev	.03414	.00071	.00002	.00046	.00003	.00034	.01450	.00005	.00006	.00021
%RSD	275.44	94.852	15.805	14.993	258.65	26.198	54.571	10.814	1.9127	19.253
#1	-.01175	-.00124	-.00017	.00336	-.00001	.00155	-.01631	-.00046	.00298	-.00127
#2	.03654	-.00025	-.00013	.00271	.00004	.00106	-.03681	-.00039	.00306	-.00096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7128.3**	**82071.**	**6587.7**
Stddev	9.7	62.	6.2
%RSD	.13582	.07609	.09388
#1	7135.2	82116.	6592.0
#2	7121.5	82027.	6583.3

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:35:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.10987**	**.01363**	**.10082**	**.01050**	**.00104**	**.11421**	**.21735**	**.00497**	**.01041**	**.01076**	**.01506**	**.10555**
Stddev	.00008	.00057	.00039	.00075	.00018	.00006	.00233	.00315	.00002	.00015	.00001	.00007	.00013
%RSD	.84798	.51647	2.8375	.74706	1.7312	5.2920	2.0435	1.4489	.44637	1.4113	.06104	.46635	.12254
#1	.00985	.10946	.01390	.10028	.01037	.00108	.11256	.21512	.00495	.01030	.01075	.01511	.10546
#2	.00997	.11027	.01336	.10135	.01063	.00100	.11586	.21957	.00498	.01051	.01076	.01502	.10564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0263**	**.01200**	**.21015**	**.01026**	**.02002**	**1.0773**	**.04321**	**2.9418**	**.00915**	**.00356**	**.01117**	**.01307**	**.50357**
Stddev	.0178	.00187	.00481	.00013	.00031	.0221	.00004	.0051	.00017	.00072	.00084	.00104	.03635
%RSD	.58865	15.577	2.2883	1.2860	1.5457	2.0504	.08895	.17351	1.8578	20.134	7.5430	7.9425	7.2184
#1	3.0389	.01068	.21355	.01035	.02024	1.0617	.04318	2.9382	.00927	.00305	.01058	.01234	.47786
#2	3.0137	.01332	.20675	.01016	.01980	1.0929	.04323	2.9454	.00903	.00406	.01177	.01381	.52927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0776**	**.10325**	**.01005**	**.01611**	**.00994**	**.01623**	F **.09816**	**.00960**	**.02529**	**.01429**
Stddev	.0778	.00014	.00011	.00031	.00000	.00024	.00606	.00057	.00070	.00006
%RSD	7.2184	.13541	1.0954	1.9387	.02036	1.5084	6.1761	5.9351	2.7756	.45248
#1	1.0226	.10315	.00997	.01589	.00993	.01641	.09387	.00920	.02578	.01433
#2	1.1326	.10335	.01013	.01633	.00994	.01606	.10245	.01000	.02479	.01424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.9**	**81904.**	**6582.2**
Stddev	2.8	656.	19.1
%RSD	.03989	.80070	.28949
#1	7098.9	81440.	6595.6
#2	7102.9	82368.	6568.7

Sample Name: 280-48773-c-4-c@10 Acquired: 11/14/2013 18:37:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00892**	**-.00089**	**.11557**	**.00187**	**.00007**	**.00316**	**5.2711**	**-.00016**	**-.00019**
Stddev	.00003	.00012	.00174	.00081	.00006	.00001	.00121	.0110	.00018	.00009
%RSD	5.6546	1.2967	195.91	.70396	2.9692	11.739	38.323	.20875	113.24	48.341
#1	-.00060	.00900	.00034	.11499	.00190	.00007	.00230	5.2789	-.00003	-.00013
#2	-.00055	.00884	-.00212	.11614	.00183	.00008	.00402	5.2633	-.00028	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00003**	**.02243**	**.08190**	**.00412**	**1.1494**	**.09103**	**.00042**	**89.102**	**.00036**
Stddev	.00003	.00029	.00258	.00203	.00034	.0059	.00048	.00003	.309	.00003
%RSD	61.663	843.83	11.487	2.4818	8.2350	.51614	.52938	6.2393	.34624	8.8692
#1	-.00003	.00024	.02425	.08333	.00436	1.1452	.09069	.00040	88.884	.00034
#2	-.00007	-.00017	.02061	.08046	.00388	1.1536	.09137	.00043	89.320	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00041**	**30.067**	**.00064**	**-.00006**	**.48007**	**1.0273**	**.00114**	**.13074**	**.00210**
Stddev	.00046	.00073	.084	.00098	.00432	.01541	.0330	.00036	.00041	.00018
%RSD	264.32	178.55	.27801	154.21	7205.6	3.2104	3.2104	31.394	.31674	8.4996
#1	-.00015	-.00092	30.008	-.00006	.00299	.46917	1.0040	.00139	.13045	.00198
#2	.00050	.00011	30.126	.00133	-.00311	.49096	1.0507	.00088	.13103	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00056**	W **-.06963**	**.00042**	**.00578**	**-.00002**
Stddev	.00029	.00025	.00287	.00031	.00042	.00012
%RSD	127.70	45.298	4.1188	74.289	7.1902	627.35
#1	-.00043	.00038	-.06760	.00020	.00549	.00006
#2	-.00002	.00074	-.07165	.00064	.00607	-.00010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7020.1**	**79868.**	**6597.6**
Stddev	27.0	503.	32.4
%RSD	.38516	.62942	.49075
#1	7001.0	80223.	6620.5
#2	7039.2	79513.	6574.7

Sample Name: 280-48773-c-5-c@10 Acquired: 11/14/2013 18:39:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00565**	**-.00101**	**.18345**	**.00179**	**.00004**	**.00409**	**8.4090**	**-.00025**	**-.00030**
Stddev	.00033	.00031	.00129	.00028	.00010	.00003	.00091	.0607	.00010	.00023
%RSD	130.79	5.5067	127.77	.15192	5.4340	62.946	22.114	.72218	38.726	77.496
#1	-.00049	.00587	-.00010	.18365	.00186	.00006	.00473	8.4520	-.00018	-.00013
#2	-.00002	.00543	-.00192	.18325	.00172	.00002	.00345	8.3661	-.00032	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00033**	**.01108**	**.13072**	**.01178**	**1.6815**	**.01583**	**.00066**	**121.31**	**.00033**
Stddev	.00014	.00010	.00408	.03352	.00224	.0046	.00001	.00012	.97	.00040
%RSD	230.06	29.363	36.854	25.646	19.032	.27568	.04532	18.704	.79720	122.88
#1	.00004	.00026	.00819	.10701	.01020	1.6782	.01582	.00057	121.99	.00004
#2	-.00016	.00040	.01397	.15442	.01337	1.6847	.01583	.00075	120.62	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00393**	**-.00075**	**45.752**	**-.00029**	**.00249**	**.59239**	**1.2677**	**.00117**	**.23473**	**.00075**
Stddev	.00064	.00082	.013	.00314	.00102	.00656	.0140	.00047	.00127	.00013
%RSD	16.338	109.06	.02809	1069.1	40.811	1.1075	1.1075	40.027	.53897	17.911
#1	.00347	-.00017	45.743	-.00252	.00321	.58775	1.2578	.00151	.23563	.00066
#2	.00438	-.00133	45.761	.00193	.00177	.59703	1.2776	.00084	.23384	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00065**	**-.03203**	**.00050**	**.00566**	**-.00029**
Stddev	.00022	.00003	.04254	.00022	.00047	.00145
%RSD	566.91	4.4037	132.82	44.292	8.2545	500.48
#1	-.00019	.00067	-.06211	.00034	.00533	.00073
#2	.00012	.00063	-.00195	.00066	.00599	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.5**	**80214.**	**6645.5**
Stddev	10.0	301.	1.4
%RSD	.14317	.37516	.02167
#1	7024.6	80427.	6644.4
#2	7010.4	80001.	6646.5

Sample Name: 280-48773-c-6-c@10 Acquired: 11/14/2013 18:42:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01636**	**-.00025**	**.19387**	**.00088**	**-.00004**	**.00553**	**2.8631**	**-.00028**	**-.00016**
Stddev	.00038	.00025	.00213	.00011	.00028	.00005	.00067	.0179	.00014	.00009
%RSD	95.932	1.5366	863.46	.05587	31.361	148.05	12.084	.62455	50.903	56.125
#1	-.00066	.01619	.00126	.19380	.00108	.00000	.00506	2.8757	-.00037	-.00022
#2	-.00013	.01654	-.00175	.19395	.00069	-.00007	.00600	2.8504	-.00018	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00002**	**.01523**	**.12052**	**.03072**	**.54959**	**.00020**	**.00053**	**86.698**	**-.00004**
Stddev	.00015	.00006	.00142	.02322	.00270	.00707	.00003	.00009	1.169	.00021
%RSD	1387.9	402.45	9.3267	19.268	8.7922	1.2856	12.396	16.344	1.3480	503.46
#1	.00010	.00006	.01423	.13694	.03263	.54459	.00022	.00047	87.524	-.00019
#2	-.00012	-.00003	.01624	.10410	.02881	.55458	.00019	.00059	85.871	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**-.00029**	**38.081**	**.00022**	**.00848**	**.37818**	**.80931**	**.00100**	**.20186**	**.00096**
Stddev	.00133	.00118	.065	.00111	.00184	.01365	.02920	.00064	.00224	.00201
%RSD	91.197	412.59	.16982	503.64	21.744	3.6086	3.6086	64.243	1.1079	209.36
#1	.00240	.00055	38.036	-.00057	.00718	.38783	.82996	.00145	.20344	-.00046
#2	.00052	-.00112	38.127	.00101	.00979	.36853	.78866	.00054	.20028	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00105**	**.01892**	**.00121**	**.00584**	**.00229**
Stddev	.00010	.00012	.06570	.00011	.00002	.00017
%RSD	78.217	11.534	347.19	8.8273	.31907	7.3269
#1	-.00020	.00113	.06538	.00129	.00585	.00217
#2	-.00006	.00096	-.02754	.00113	.00583	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7048.7**	**79977.**	**6696.9**
Stddev	13.9	121.	79.3
%RSD	.19672	.15091	1.1845
#1	7038.9	80062.	6640.8
#2	7058.5	79891.	6753.0

Sample Name: 280-48773-c-7-c@10 Acquired: 11/14/2013 18:44:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00664**	**-.00268**	**.15445**	**.00096**	**-.00001**	**.00418**	**2.1026**	**-.00016**	**-.00024**
Stddev	.00093	.00053	.00147	.00042	.00012	.00008	.00119	.0037	.00008	.00005
%RSD	1158.7	7.9977	54.920	.27042	12.735	1385.5	28.414	.17503	52.130	18.819
#1	-.00058	.00626	-.00164	.15415	.00105	-.00007	.00502	2.1000	-.00022	-.00021
#2	-.00074	.00701	-.00372	.15475	.00088	.00005	.00334	2.1052	-.00010	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00001**	**.01011**	**.20400**	**.04624**	**.26538**	**.00024**	**-.00002**	**100.16**	**-.00001**
Stddev	.00006	.00036	.00079	.02599	.00148	.00317	.00000	.00015	.38	.00016
%RSD	88.955	2720.1	7.8572	12.740	3.1952	1.1934	1.7941	650.02	.37589	1308.5
#1	.00002	.00024	.00955	.22237	.04520	.26762	.00024	.00008	99.893	-.00012
#2	.00010	-.00026	.01068	.18562	.04728	.26314	.00023	-.00013	100.42	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**-.00088**	**35.744**	**.00087**	**.00727**	**.42582**	**.91126**	**.00085**	**.16400**	**.00061**
Stddev	.00063	.00074	.085	.00399	.00117	.01539	.03294	.00088	.00022	.00075
%RSD	151.94	83.710	.23675	460.44	16.127	3.6145	3.6145	103.47	.13511	123.48
#1	-.00086	-.00036	35.804	.00368	.00810	.43670	.93455	.00023	.16385	.00114
#2	.00003	-.00140	35.684	-.00195	.00644	.41494	.88797	.00148	.16416	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00049**	**.00794**	**.00406**	**.00561**	**.00039**
Stddev	.00009	.00043	.01439	.00009	.00034	.00003
%RSD	53.273	88.345	181.16	2.3230	6.0472	7.7327
#1	-.00011	.00079	-.00223	.00399	.00537	.00037
#2	-.00023	.00018	.01812	.00413	.00585	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7039.1**	**80631.**	**6753.7**
Stddev	3.5	259.	44.5
%RSD	.05020	.32161	.65861
#1	7041.6	80448.	6722.2
#2	7036.6	80815.	6785.1

Sample Name: 280-48773-c-8-e@10 Acquired: 11/14/2013 18:46:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00882**	**-.00158**	**.14314**	**.00135**	**.00003**	**.00413**	**4.8627**	**-.00006**	**-.00019**
Stddev	.00023	.00026	.00024	.00030	.00006	.00001	.00286	.0153	.00005	.00012
%RSD	41.096	2.9683	14.867	.20709	4.4805	38.248	69.300	.31443	73.395	62.806
#1	-.00039	.00901	-.00142	.14293	.00131	.00003	.00615	4.8519	-.00009	-.00027
#2	-.00072	.00864	-.00175	.14335	.00140	.00002	.00211	4.8735	-.00003	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00033**	**.01791**	**.10460**	**.01604**	**1.1381**	**.00074**	**.00009**	**95.275**	**-.00010**
Stddev	.00003	.00018	.00270	.03502	.00045	.0030	.00005	.00008	.320	.00003
%RSD	21.741	54.809	15.094	33.485	2.7868	.26603	6.5722	88.865	.33617	34.249
#1	.00011	-.00046	.01600	.07983	.01572	1.1402	.00077	.00003	95.501	-.00008
#2	.00015	-.00020	.01983	.12937	.01635	1.1360	.00070	.00015	95.048	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**-.00034**	**33.277**	**-.00015**	**.00400**	**.45578**	**.97537**	**.00163**	**.17483**	**.00184**
Stddev	.00002	.00022	.057	.00094	.00011	.01160	.02483	.00002	.00075	.00224
%RSD	.50573	65.035	.17216	614.35	2.7058	2.5462	2.5462	1.1487	.43032	122.01
#1	.00434	-.00018	33.237	-.00082	.00392	.44757	.95781	.00164	.17430	.00342
#2	.00431	-.00049	33.318	.00051	.00407	.46399	.99293	.00162	.17537	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00107**	W **-.05540**	**-.00027**	**.00684**	**-.00054**
Stddev	.00006	.00038	.05373	.00019	.00083	.00124
%RSD	56.936	35.812	96.998	69.097	12.107	228.64
#1	-.00006	.00134	-.09339	-.00041	.00742	.00034
#2	-.00015	.00080	-.01740	-.00014	.00625	-.00142
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.5**	**80560.**	**6718.2**
Stddev	12.9	259.	23.1
%RSD	.18345	.32110	.34385
#1	7004.4	80377.	6701.8
#2	7022.6	80743.	6734.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:49:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00393**	**49.823**	**-.00257**	**.00054**	**.00054**	**-.00005**	**1.0295**	**.01462**	**.00074**	**-.00098**	**.00025**	**-.00442**	**50.978**
Stddev	.00054	.203	.00182	.00009	.00015	.00001	.0115	.00112	.00016	.00002	.00002	.00052	.364
%RSD	13.622	.40776	70.857	17.298	26.785	28.390	1.1153	7.6432	21.760	1.7234	9.8667	11.749	.71369
#1	-.00431	49.966	-.00386	.00061	.00065	-.00006	1.0377	.01541	.00085	-.00099	.00023	-.00405	51.235
#2	-.00356	49.679	-.00128	.00048	.00044	-.00004	1.0214	.01383	.00063	-.00096	.00027	-.00479	50.720
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08272**	**.00228**	**.06709**	**-.00013**	**.00058**	**251.89**	**-.00087**	**.00171**	**-.00172**	**5.0346**	**-.00115**	**-.00635**	**-.00074**
Stddev	.00447	.00012	.00565	.00005	.00007	.55	.00005	.00047	.00036	.0527	.00441	.00054	.00848
%RSD	5.4051	5.1710	8.4179	37.974	12.157	.21658	5.9748	27.231	21.092	1.0472	382.02	8.5309	1147.7
#1	.08588	.00219	.07108	-.00017	.00063	252.27	-.00084	.00138	-.00146	5.0719	.00196	-.00674	-.00673
#2	.07956	.00236	.06309	-.00010	.00053	251.50	-.00091	.00204	-.00198	4.9973	-.00427	-.00597	.00525
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**-.00082**	**.00007**	**5.0232**	**.00991**	**.00219**	F **7.9818**	**.00058**	**.00227**	**-.06084**
Stddev	.01814	.00099	.00002	.0173	.00027	.00066	.0352	.00044	.00004	.00079
%RSD	1147.7	121.24	23.032	.34504	2.7484	30.391	.44039	75.370	1.6094	1.3043
#1	-.01441	-.00152	.00008	5.0110	.01011	.00172	8.0067	.00027	.00224	-.06028
#2	.01125	-.00012	.00006	5.0355	.00972	.00266	7.9569	.00089	.00229	-.06140
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.4**	**79818.**	**6719.9**
Stddev	1.9	361.	8.3
%RSD	.02704	.45263	.12290
#1	7054.8	80073.	6725.7
#2	7052.1	79562.	6714.0

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:52:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51063**	**.51814**	**1.0081**	**.50547**	**.49809**	**.48283**	**-.01148**	**4.8451**	**.48944**	**.50059**	**.51297**	**.49783**	**2.5309**
Stddev	.00115	.00022	.0057	.00084	.00230	.00059	.00045	.0232	.00073	.00081	.00085	.00051	.0055
%RSD	.22499	.04167	.56251	.16538	.46236	.12262	3.9608	.47839	.15002	.16103	.16657	.10279	.21695
#1	.51144	.51799	1.0041	.50488	.49972	.48325	-.01116	4.8287	.48892	.50002	.51237	.49819	2.5270
#2	.50982	.51830	1.0121	.50606	.49646	.48241	-.01180	4.8614	.48996	.50116	.51357	.49747	2.5348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.350**	**.97836**	**19.782**	**.49059**	**.51105**	**5.0716**	**.51449**	**1.0046**	**.98421**	**.00065**	**1.0085**	**1.0115**	**4.9722**
Stddev	.132	.00211	.000	.00059	.00283	.0049	.00012	.0026	.00492	.00114	.0014	.0021	.0418
%RSD	.27238	.21561	.00035	.12106	.55324	.09699	.02396	.25607	.50001	175.60	.14027	.20781	.84130
#1	48.443	.97985	19.782	.49017	.51305	5.0750	.51458	1.0064	.98769	-.00016	1.0075	1.0101	4.9426
#2	48.257	.97687	19.782	.49101	.50905	5.0681	.51440	1.0027	.98073	.00145	1.0095	1.0130	5.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.640**	**1.0141**	**.49271**	**.00327**	**.49646**	**1.0031**	**-.02220**	**.48549**	**.49738**	**.48792**
Stddev	.090	.0017	.00038	.00114	.00021	.0021	.01892	.00092	.00039	.00116
%RSD	.84130	.17206	.07658	34.727	.04160	.20993	85.247	.18921	.07779	.23693
#1	10.577	1.0129	.49298	.00408	.49660	1.0016	-.03558	.48484	.49710	.48711
#2	10.704	1.0153	.49244	.00247	.49631	1.0046	-.00882	.48614	.49765	.48874
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7116.6**	**81443.**	**6711.1**
Stddev	6.1	1.	27.0
%RSD	.08606	.00126	.40227
#1	7121.0	81444.	6730.2
#2	7112.3	81443.	6692.1

Sample Name: CCB Acquired: 11/14/2013 18:54:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**-.00011**	**-.00153**	**.00044**	**.00031**	**.00007**	**.00427**	**-.00384**	**-.00008**	**-.00002**	**-.00007**	**-.00066**
Stddev	.00026	.00000	.00199	.00048	.00006	.00011	.00075	.00691	.00012	.00006	.00000	.00004
%RSD	59.281	2.1795	129.46	108.49	19.388	160.79	17.504	179.83	158.56	269.98	5.7703	5.9765
#1	-.00026	-.00011	-.00013	.00078	.00035	-.00001	.00374	-.00873	.00001	-.00007	-.00007	-.00068
#2	-.00062	-.00011	-.00294	.00010	.00027	.00014	.00480	.00104	-.00016	.00002	-.00008	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.11067**	**.00162**	**.00272**	**.00006**	**.00023**	**.06146**	**-.00022**	**.00003**	**-.00004**	**.00148**	W **.00521**
Stddev	.00168	.03401	.00049	.00231	.00003	.00016	.00354	.00004	.00088	.00073	.00017	.00123
%RSD	111.06	30.734	29.997	84.926	47.196	70.134	5.7574	19.741	2528.9	1895.0	11.573	23.703
#1	-.00270	.13472	.00197	.00109	.00004	.00035	.05896	-.00019	-.00059	.00048	.00160	.00434
#2	-.00032	.08662	.00128	.00436	.00008	.00012	.06396	-.00026	.00065	-.00056	.00136	.00608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**.00048**	**.00104**	**-.00072**	**-.00010**	**.00225**	**-.00002**	**.00163**	**-.04003**	**-.00009**	**.00304**	**-.00169**
Stddev	.00130	.00078	.00167	.00031	.00003	.00175	.00012	.00131	.07050	.00023	.00044	.00019
%RSD	64.644	160.92	160.92	42.645	29.215	77.983	610.33	80.671	176.11	256.38	14.617	11.139
#1	.00294	-.00007	-.00014	-.00093	-.00012	.00349	.00006	.00256	-.08988	-.00025	.00272	-.00182
#2	.00110	.00103	.00221	-.00050	-.00008	.00101	-.00010	.00070	.00982	.00007	.00335	-.00156
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.0**	**83416.**	**6666.9**
Stddev	5.2	167.	5.4
%RSD	.07275	.19996	.08042
#1	7191.3	83534.	6663.1
#2	7198.7	83298.	6670.7

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:56:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00950**	**.11047**	**.01178**	**.10160**	**.01031**	**.00101**	**.11795**	**.21676**	**.00509**	**.01033**	**.01080**	**.01472**	**.10571**
Stddev	.00017	.00034	.00156	.00078	.00004	.00018	.00125	.00108	.00010	.00003	.00011	.00027	.00136
%RSD	1.8382	.30421	13.222	.77171	.34764	17.592	1.0623	.49919	1.9162	.25660	.98551	1.8357	1.2827
#1	.00962	.11023	.01068	.10104	.01034	.00114	.11707	.21600	.00502	.01031	.01072	.01491	.10475
#2	.00938	.11071	.01288	.10215	.01029	.00088	.11884	.21753	.00516	.01034	.01087	.01453	.10667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0632**	**.01047**	**.21297**	**.01037**	**.02023**	**1.0961**	**.04326**	**2.9695**	**.00983**	**.00345**	**.01168**	**.01524**	**.51102**
Stddev	.0566	.00005	.00189	.00000	.00009	.0012	.00020	.0061	.00123	.00106	.00180	.00256	.00587
%RSD	1.8461	.49576	.88765	.02647	.44913	.11124	.46466	.20397	12.563	30.639	15.375	16.796	1.1495
#1	3.0232	.01050	.21163	.01037	.02017	1.0970	.04312	2.9653	.00895	.00270	.01295	.01705	.51517
#2	3.1031	.01043	.21430	.01036	.02030	1.0953	.04340	2.9738	.01070	.00419	.01041	.01343	.50687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0936**	**.10419**	**.01011**	**.01665**	**.00991**	**.01696**	F **.09808**	**.01008**	**.02524**	**.01511**
Stddev	.0126	.00027	.00003	.00084	.00025	.00017	.04793	.00014	.00009	.00243
%RSD	1.1495	.26014	.25717	5.0672	2.4907	1.0177	48.869	1.4007	.36241	16.067
#1	1.1025	.10438	.01013	.01725	.00974	.01683	.06419	.00998	.02530	.01339
#2	1.0847	.10400	.01009	.01605	.01009	.01708	.13197	.01018	.02517	.01682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7162.4**	**82054.**	**6720.4**
Stddev	1.5	659.	18.7
%RSD	.02117	.80257	.27867
#1	7161.3	82520.	6733.7
#2	7163.4	81589.	6707.2

Sample Name: mb 280-200691/1-a Acquired: 11/14/2013 18:58:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.01714**	**-.00219**	**.00020**	**.00009**	**.00003**	**.00304**	**.00731**	**-.00015**	**.00004**
Stddev	.00002	.00046	.00115	.00029	.00018	.00006	.00079	.00077	.00013	.00004
%RSD	2.6893	2.7070	52.651	141.98	203.59	243.58	26.055	10.495	84.690	111.28
#1	-.00069	.01747	-.00301	.00000	-.00004	.00007	.00248	.00786	-.00024	.00001
#2	-.00066	.01681	-.00138	.00041	.00021	-.00002	.00360	.00677	-.00006	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00030**	**.02196**	**.09084**	**.00131**	**.03879**	**.00035**	**-.00027**	**.05401**	**.00014**
Stddev	.00002	.00036	.00196	.03223	.00094	.00280	.00003	.00007	.01035	.00004
%RSD	20.236	121.36	8.9199	35.478	71.649	7.2251	8.6213	26.920	19.172	26.285
#1	.00010	-.00056	.02335	.06805	.00065	.03681	.00038	-.00032	.06133	.00017
#2	.00008	-.00004	.02058	.11363	.00197	.04077	.00033	-.00022	.04669	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**-.00068**	**.00577**	**.00191**	**-.00047**	**.06351**	**.13591**	**-.00080**	**-.00015**	**.00196**
Stddev	.00031	.00031	.00285	.00098	.00039	.01036	.02218	.00009	.00001	.00088
%RSD	26.132	45.425	49.430	51.275	84.494	16.320	16.320	11.679	6.1710	44.777
#1	.00096	-.00090	.00375	.00260	-.00074	.05618	.12022	-.00087	-.00015	.00258
#2	.00140	-.00046	.00779	.00122	-.00019	.07084	.15159	-.00073	-.00014	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**-.00003**	**-.00551**	**.00046**	**.00362**	**-.00202**
Stddev	.00009	.00040	.01808	.00056	.00019	.00070
%RSD	3.9093	1325.9	327.86	121.21	5.2830	34.509
#1	.00230	-.00032	-.01830	.00007	.00375	-.00252
#2	.00243	.00026	.00727	.00085	.00348	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7269.1**	**84013.**	**6793.9**
Stddev	17.5	530.	25.4
%RSD	.24124	.63110	.37359
#1	7256.7	84388.	6776.0
#2	7281.5	83638.	6811.9

Sample Name: lcs 280-200691/2-a Acquired: 11/14/2013 19:01:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04989**	**1.9602**	**1.0064**	**1.0301**	**1.9875**	**.04799**	**2.0749**	**46.685**	**.09821**	**.48665**
Stddev	.00002	.0052	.0046	.0029	.0019	.00014	.0114	.057	.00050	.00177
%RSD	.04895	.26642	.45664	.28674	.09679	.28539	.54948	.12115	.51296	.36400
#1	.04991	1.9638	1.0096	1.0322	1.9862	.04790	2.0830	46.725	.09857	.48791
#2	.04987	1.9565	1.0031	1.0281	1.9889	.04809	2.0669	46.645	.09786	.48540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20592**	**.24683**	**1.0128**	**48.675**	**.98363**	**49.556**	**.48305**	**1.0270**	**50.734**	**.50245**
Stddev	.00100	.00100	.0010	.030	.00114	.035	.00033	.0035	.220	.00372
%RSD	.48698	.40698	.10378	.06231	.11614	.07041	.06909	.34167	.43389	.73945
#1	.20663	.24754	1.0135	48.697	.98282	49.581	.48281	1.0295	50.579	.50507
#2	.20521	.24612	1.0120	48.654	.98443	49.531	.48328	1.0246	50.890	.49982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.255**	**.47276**	**.02119**	**.50885**	**2.0469**	**10.063**	**21.535**	**2.0209**	**.98135**	**.98582**
Stddev	.051	.00017	.02334	.00183	.0023	.041	.088	.0017	.00078	.00202
%RSD	.50042	.03617	110.14	.35873	.11440	.40693	.40693	.08424	.07967	.20449
#1	10.292	.47288	.00469	.51014	2.0486	10.034	21.473	2.0221	.98190	.98724
#2	10.219	.47264	.03770	.50756	2.0453	10.092	21.597	2.0197	.98080	.98439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0055**	**1.9211**	F **3.2093**	**.48673**	**.48785**	**.48474**
Stddev	.0008	.0055	.0566	.00198	.00044	.00064
%RSD	.07433	.28544	1.7653	.40664	.08936	.13238
#1	1.0050	1.9250	3.1692	.48813	.48754	.48429
#2	1.0061	1.9172	3.2494	.48533	.48815	.48520
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6981.1**	**80021.**	**6805.6**
Stddev	25.5	9.	6.5
%RSD	.36504	.01181	.09490
#1	6963.1	80027.	6801.0
#2	6999.1	80014.	6810.1

Sample Name: 280-48945-d-2-b Acquired: 11/14/2013 19:03:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00734**	**.01766**	**.09826**	**.50968**	**.00002**	**-.00015**	**103.93**	**.00039**	**-.00006**
Stddev	.00004	.00005	.00023	.00012	.00162	.00004	.00123	.20	.00003	.00016
%RSD	6.7760	.74838	1.2847	.12527	.31704	221.35	815.21	.18951	6.5768	280.00
#1	-.00060	.00737	.01782	.09835	.50853	.00004	.00072	103.79	.00037	-.00017
#2	-.00055	.00730	.01750	.09818	.51082	-.00001	-.00102	104.07	.00041	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00029**	**9.7553**	**.55800**	**.00997**	**43.492**	**.48151**	**.01268**	**44.196**	**.00056**
Stddev	.00006	.00024	.0018	.03450	.00026	.081	.00150	.00010	.033	.00005
%RSD	50.042	84.609	.01791	6.1830	2.6180	.18685	.31238	.78941	.07486	8.6559
#1	.00017	.00046	9.7541	.58240	.01015	43.435	.48045	.01261	44.219	.00052
#2	.00008	.00011	9.7565	.53361	.00978	43.549	.48258	.01275	44.173	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05099**	**.00084**	**.62790**	**.00042**	**-.00045**	**10.901**	**23.328**	**-.00009**	**.68184**	**.00239**
Stddev	.00074	.00002	.00302	.00013	.00197	.001	.003	.00034	.00141	.00154
%RSD	1.4600	2.3333	.48160	31.770	435.73	.01101	.01101	366.56	.20708	64.508
#1	.05046	.00085	.62576	.00052	-.00185	10.900	23.326	.00015	.68085	.00130
#2	.05151	.00082	.63004	.00033	.00094	10.902	23.330	-.00033	.68284	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00182**	**.00010**	**.00157**	**.00450**	**-.00068**
Stddev	.00010	.00028	.01645	.00050	.00003	.00126
%RSD	36.696	15.383	16683.	31.681	.63960	186.26
#1	.00033	.00202	.01173	.00192	.00452	-.00157
#2	.00019	.00162	-.01154	.00122	.00448	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7009.4**	**80257.**	**6751.1**
Stddev	22.3	477.	29.2
%RSD	.31788	.59410	.43302
#1	6993.7	80594.	6730.4
#2	7025.2	79920.	6771.8

Sample Name: 280-48945-d-2-bSD@5 Acquired: 11/14/2013 19:05:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00765**	**.00262**	**.01998**	**.10272**	**.00001**	**.00338**	**20.686**	**.00012**	**-.00007**
Stddev	.00010	.00041	.00135	.00032	.00011	.00012	.00091	.094	.00009	.00021
%RSD	40.346	5.3361	51.369	1.5890	.10389	1086.1	26.895	.45456	75.751	324.08
#1	-.00033	.00794	.00167	.02021	.10265	-.00007	.00273	20.620	.00006	.00008
#2	-.00018	.00736	.00357	.01976	.10280	.00009	.00402	20.753	.00019	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00032**	**1.9909**	**.12897**	**.00215**	**8.6557**	**.09731**	**.00237**	**8.4205**	**-.00011**
Stddev	.00024	.00019	.0101	.02116	.00011	.0146	.00027	.00005	.0251	.00028
%RSD	3148.5	57.638	.50518	16.406	5.1244	.16832	.27554	2.0021	.29766	265.63
#1	.00017	-.00019	1.9838	.14393	.00223	8.6454	.09712	.00233	8.4382	-.00031
#2	-.00018	-.00046	1.9980	.11401	.00207	8.6660	.09750	.00240	8.4028	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00928**	**-.00069**	**.11833**	**-.00278**	**.00061**	**2.1580**	**4.6181**	**.00156**	**.13608**	**.00209**
Stddev	.00057	.00014	.00089	.00042	.00246	.0110	.0236	.00089	.00009	.00088
%RSD	6.1435	21.145	.75536	15.025	403.35	.51032	.51032	57.062	.06597	42.018
#1	.00968	-.00079	.11770	-.00308	.00235	2.1502	4.6015	.00218	.13602	.00147
#2	.00888	-.00058	.11896	-.00249	-.00113	2.1658	4.6348	.00093	.13614	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00105**	**-.01081**	**.00063**	**.00513**	**.00006**
Stddev	.00004	.00031	.02118	.00053	.00001	.00047
%RSD	28.158	29.681	195.91	84.355	.25184	797.20
#1	-.00019	.00127	-.02579	.00025	.00512	.00039
#2	-.00013	.00083	.00417	.00100	.00514	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7190.3**	**82666.**	**6798.3**
Stddev	23.5	87.	36.6
%RSD	.32711	.10536	.53886
#1	7173.7	82728.	6824.2
#2	7206.9	82605.	6772.4

Sample Name: 280-48945-d-2-c ms Acquired: 11/14/2013 19:08:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05186**	**1.9232**	**1.0556**	**1.2059**	**2.4934**	**.04848**	F **2.1086**	**146.25**	**.10025**	**.48180**
Stddev	.00052	.0008	.0025	.0013	.0035	.00000	.0015	.36	.00028	.00053
%RSD	.99491	.04344	.23958	.11096	.13933	.00893	.07207	.24791	.27784	.10982
#1	.05149	1.9238	1.0574	1.2050	2.4958	.04848	2.1075	146.51	.10005	.48142
#2	.05222	1.9226	1.0538	1.2069	2.4909	.04847	2.1097	146.00	.10045	.48217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20684**	**.25484**	**10.338**	**50.464**	**1.0172**	**92.065**	**.94676**	**1.1100**	**92.660**	**.49882**
Stddev	.00002	.00025	.048	.076	.0039	.243	.00217	.0000	.208	.00096
%RSD	.00861	.09839	.46762	.15009	.38456	.26393	.22930	.00347	.22399	.19258
#1	.20683	.25466	10.372	50.517	1.0199	92.237	.94830	1.1101	92.807	.49950
#2	.20685	.25501	10.304	50.410	1.0144	91.893	.94523	1.1100	92.514	.49814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.602**	**.46627**	**.59638**	**.54788**	**2.0826**	**21.357**	**45.704**	W **2.1196**	**1.6471**	**1.0016**
Stddev	.010	.00116	.00096	.00716	.0138	.047	.101	.0060	.0038	.0049
%RSD	.09838	.24926	.16092	1.3064	.66298	.22189	.22189	.28512	.22799	.49362
#1	10.610	.46545	.59706	.54282	2.0729	21.324	45.633	2.1153	1.6498	1.0051
#2	10.595	.46710	.59571	.55294	2.0924	21.391	45.776	2.1239	1.6445	.99807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0817**	**1.8621**	**3.1900**	**.49195**	**.48413**	**.51737**
Stddev	.0027	.0029	.0826	.00263	.00495	.00210
%RSD	.24680	.15733	2.5899	.53409	1.0223	.40576
#1	1.0836	1.8601	3.2485	.49381	.48763	.51588
#2	1.0798	1.8642	3.1316	.49009	.48063	.51885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6851.3**	**78552.**	**6640.0**
Stddev	13.8	386.	12.2
%RSD	.20086	.49180	.18447
#1	6841.5	78279.	6631.3
#2	6861.0	78825.	6648.6

Sample Name: 280-48945-d-2-d msd Acquired: 11/14/2013 19:10:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05146**	**1.9405**	**1.0629**	**1.2335**	**2.5361**	**.04890**	F **2.1220**	**149.24**	**.10137**	**.48703**
Stddev	.00092	.0014	.0001	.0005	.0065	.00043	.0046	.35	.00024	.00046
%RSD	1.7841	.07362	.01185	.04307	.25483	.87770	.21615	.23155	.23882	.09437
#1	.05211	1.9415	1.0630	1.2339	2.5406	.04920	2.1188	149.48	.10120	.48736
#2	.05081	1.9395	1.0629	1.2331	2.5315	.04859	2.1253	148.99	.10155	.48671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20872**	**.25590**	**10.649**	**50.827**	**1.0277**	**93.001**	**.95889**	**1.1333**	**94.901**	**.50336**
Stddev	.00014	.00029	.003	.154	.0031	.045	.00174	.0001	.355	.00194
%RSD	.06643	.11477	.03186	.30214	.29864	.04844	.18193	.00988	.37458	.38515
#1	.20882	.25570	10.652	50.935	1.0299	93.033	.96013	1.1333	95.152	.50473
#2	.20863	.25611	10.647	50.718	1.0256	92.969	.95766	1.1334	94.649	.50199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.701**	**.46900**	**.61473**	**.56145**	**2.1080**	**21.870**	**46.802**	W **2.1830**	**1.6814**	**1.0066**
Stddev	.002	.00017	.00807	.00239	.0098	.014	.030	.0033	.0055	.0010
%RSD	.02224	.03677	1.3134	.42620	.46565	.06378	.06378	.15047	.32877	.09792
#1	10.699	.46912	.60902	.55976	2.1011	21.860	46.781	2.1853	1.6853	1.0059
#2	10.703	.46888	.62043	.56314	2.1150	21.880	46.824	2.1807	1.6775	1.0073
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1000**	**1.8878**	**3.2449**	**.49451**	**.48434**	**.52779**
Stddev	.0008	.0003	.0171	.00068	.00035	.00004
%RSD	.07469	.01374	.52584	.13659	.07227	.00813
#1	1.1006	1.8880	3.2570	.49403	.48459	.52776
#2	1.0994	1.8876	3.2328	.49499	.48409	.52782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6839.2**	**78715.**	**6825.2**
Stddev	19.1	228.	24.0
%RSD	.27974	.29007	.35202
#1	6825.6	78553.	6842.2
#2	6852.7	78876.	6808.2

Sample Name: 280-48945-d-2-bPDS Acquired: 11/14/2013 19:12:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04490**	**.96861**	**.21877**	**.20208**	**.59543**	**.04693**	**-.00029**	**119.07**	**.04925**	**.04713**
Stddev	.00037	.00429	.00106	.00073	.00175	.00030	.00014	.75	.00016	.00004
%RSD	.82986	.44258	.48618	.35985	.29343	.63635	47.500	.62905	.32607	.07957
#1	.04463	.97164	.21801	.20157	.59420	.04672	-.00019	118.54	.04914	.04711
#2	.04516	.96558	.21952	.20260	.59667	.04714	-.00038	119.60	.04936	.04716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05015**	**.04955**	**10.464**	**19.726**	**.10773**	**61.557**	**.51718**	**.06293**	**62.776**	**.04968**
Stddev	.00003	.00034	.017	.173	.00070	.001	.00012	.00020	.289	.00004
%RSD	.06052	.68624	.16475	.87548	.65180	.00087	.02320	.31479	.46044	.07974
#1	.05013	.04979	10.452	19.604	.10723	61.557	.51709	.06279	62.572	.04965
#2	.05018	.04931	10.476	19.848	.10822	61.556	.51726	.06307	62.981	.04971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1108**	**.09142**	**.61606**	**.10173**	**.20098**	**15.538**	**33.250**	**.09781**	**.71666**	**.19184**
Stddev	.0054	.00113	.00066	.00171	.00028	.030	.063	.00127	.00236	.00115
%RSD	.25664	1.2371	.10762	1.6775	.13947	.19011	.19011	1.2994	.32976	.60047
#1	2.1069	.09062	.61559	.10053	.20118	15.517	33.206	.09871	.71498	.19102
#2	2.1146	.09222	.61652	.10294	.20078	15.558	33.295	.09691	.71833	.19265
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**.18441**	**.72104**	**.04852**	**.19344**	**.04636**
Stddev	.00018	.00017	.04155	.00025	.00130	.00122
%RSD	.36436	.09290	5.7630	.52145	.67035	2.6278
#1	.05029	.18453	.75042	.04870	.19435	.04550
#2	.05003	.18429	.69165	.04834	.19252	.04722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6942.5**	**80161.**	**6884.6**
Stddev	16.8	410.	36.4
%RSD	.24229	.51188	.52907
#1	6930.6	79871.	6910.4
#2	6954.4	80451.	6858.8

Sample Name: 280-48945-d-3-b Acquired: 11/14/2013 19:14:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.02615**	**.03229**	**.08145**	**.53552**	**-.00001**	**.00063**	**83.133**	**.00055**	**-.00017**
Stddev	.00017	.00029	.00307	.00024	.00288	.00007	.00088	.510	.00014	.00002
%RSD	27.063	1.0947	9.5011	.29679	.53840	925.15	138.77	.61396	25.419	11.517
#1	-.00051	.02635	.03012	.08128	.53348	.00004	.00125	82.772	.00065	-.00015
#2	-.00075	.02594	.03446	.08162	.53756	-.00005	.00001	83.494	.00045	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00115**	**11.403**	**1.9752**	**.00847**	**40.863**	**.32701**	**.01053**	**229.05**	**.00115**
Stddev	.00011	.00028	.065	.0129	.00050	.346	.00223	.00011	.56	.00027
%RSD	11.920	24.800	.56658	.65238	5.8862	.84730	.68186	1.0306	.24628	23.384
#1	.00101	.00094	11.357	1.9843	.00812	41.107	.32859	.01046	228.65	.00096
#2	.00085	.00135	11.448	1.9661	.00882	40.618	.32543	.01061	229.45	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20460**	**-.00169**	**6.8835**	**-.00118**	**.00180**	**10.463**	**22.391**	**-.00043**	**.57192**	**.00014**
Stddev	.00087	.00013	.0349	.00080	.00224	.062	.133	.00027	.00347	.00066
%RSD	.42713	7.5456	.50681	67.592	124.35	.59454	.59454	62.871	.60687	472.95
#1	.20522	-.00160	6.8588	-.00174	.00338	10.419	22.297	-.00024	.56947	.00061
#2	.20399	-.00178	6.9082	-.00061	.00022	10.507	22.485	-.00062	.57438	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.00031**	**-.01703**	**.00645**	**.00558**	**.00120**
Stddev	.00033	.00063	.02712	.00067	.00047	.00046
%RSD	9.8089	203.71	159.26	10.414	8.4826	38.385
#1	.00310	.00076	-.03620	.00598	.00591	.00088
#2	.00357	-.00014	.00215	.00693	.00524	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.8**	**79366.**	**6870.5**
Stddev	6.6	215.	90.2
%RSD	.09613	.27150	1.3122
#1	6906.1	79214.	6934.3
#2	6915.5	79519.	6806.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 19:17:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00479**	**49.530**	**-.00240**	**.00243**	**.00048**	**-.00005**	**1.0341**	**.01860**	**.00069**	**-.00096**	**.00018**	**-.00454**	**49.821**
Stddev	.00032	.065	.00088	.00002	.00005	.00001	.0003	.00187	.00005	.00028	.00003	.00025	.008
%RSD	6.7802	.13120	36.558	.69950	9.4800	11.066	.03236	10.080	7.4082	28.778	17.900	5.6087	.01692
#1	-.00502	49.576	-.00178	.00244	.00051	-.00005	1.0343	.01993	.00065	-.00077	.00016	-.00436	49.815
#2	-.00456	49.484	-.00302	.00242	.00045	-.00005	1.0338	.01727	.00073	-.00116	.00020	-.00473	49.827
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19876**	**.00271**	**.06748**	**-.00019**	**.00049**	**249.97**	**-.00066**	**.00449**	**-.00297**	**5.0426**	**.00096**	**-.00359**	**.01611**
Stddev	.01384	.00051	.00187	.00004	.00030	.02	.00031	.00149	.00094	.0043	.00185	.00323	.01002
%RSD	6.9649	18.653	2.7733	20.371	61.796	.00984	46.570	33.327	31.533	.08454	192.84	90.200	62.180
#1	.18897	.00306	.06880	-.00021	.00028	249.99	-.00087	.00343	-.00231	5.0395	.00227	-.00130	.00903
#2	.20854	.00235	.06616	-.00016	.00070	249.96	-.00044	.00554	-.00363	5.0456	-.00035	-.00587	.02319
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03447**	**-.00049**	**.00012**	**4.9562**	**.01005**	**.00184**	F **7.8627**	**.00042**	**.00248**	**-.05828**
Stddev	.02143	.00037	.00013	.0126	.00025	.00104	.0001	.00011	.00013	.00156
%RSD	62.180	75.059	106.03	.25448	2.4573	56.333	.00150	26.119	5.2901	2.6765
#1	.01931	-.00023	.00021	4.9473	.00987	.00111	7.8628	.00050	.00257	-.05718
#2	.04963	-.00076	.00003	4.9651	.01022	.00257	7.8626	.00034	.00239	-.05939
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.7**	**80648.**	**6832.9**
Stddev	58.0	8.	17.5
%RSD	.81468	.00932	.25684
#1	7154.7	80653.	6845.3
#2	7072.8	80643.	6820.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 19:19:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51695**	**.52179**	**1.0177**	**.51333**	**.49701**	**.48071**	**-.01166**	**4.8020**	**.49020**	**.50158**	**.51840**	**.50033**	**2.5340**
Stddev	.00310	.00025	.0019	.00010	.00280	.00309	.00284	.0302	.00094	.00032	.00021	.00046	.0036
%RSD	.59969	.04818	.18802	.02044	.56384	.64375	24.310	.62811	.19269	.06414	.04110	.09119	.14037
#1	.51475	.52197	1.0191	.51341	.49503	.47852	-.00966	4.8234	.48953	.50136	.51825	.50000	2.5365
#2	.51914	.52161	1.0164	.51326	.49899	.48289	-.01367	4.7807	.49086	.50181	.51855	.50065	2.5315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.136**	**.97209**	**19.874**	**.49151**	**.51802**	**5.1475**	**.52231**	**1.0217**	**.98489**	**-.00304**	**1.0218**	**1.0312**	**5.0241**
Stddev	.122	.00571	.044	.00121	.00028	.0177	.00059	.0008	.00278	.00276	.0018	.0002	.0407
%RSD	.25327	.58759	.21955	.24666	.05492	.34482	.11371	.07826	.28250	90.709	.17085	.01746	.81006
#1	48.050	.96805	19.843	.49066	.51781	5.1349	.52189	1.0222	.98293	-.00499	1.0206	1.0313	5.0529
#2	48.222	.97613	19.905	.49237	.51822	5.1600	.52273	1.0211	.98686	-.00109	1.0230	1.0310	4.9953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.752**	**1.0257**	**.48924**	**.00407**	**.50009**	**1.0089**	**-.03262**	**.48493**	**.49951**	**.48903**
Stddev	.087	.0007	.00343	.00082	.00068	.0003	.00324	.00217	.00269	.00293
%RSD	.81006	.07192	.70144	20.175	.13618	.02629	9.9276	.44833	.53900	.59953
#1	10.813	1.0262	.48681	.00465	.50057	1.0087	-.03491	.48646	.50141	.49110
#2	10.690	1.0251	.49167	.00349	.49960	1.0091	-.03033	.48339	.49761	.48696
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7130.6**	**81720.**	**6813.4**
Stddev	10.7	91.	12.2
%RSD	.15022	.11128	.17921
#1	7138.1	81785.	6804.7
#2	7123.0	81656.	6822.0

Sample Name: CCB Acquired: 11/14/2013 19:21:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.00002**	**-.00086**	**.00129**	**.00046**	**.00001**	**.00447**	**.00151**	**-.00009**	**-.00015**	**-.00007**	**-.00081**
Stddev	.00037	.00012	.00055	.00040	.00023	.00000	.00212	.00147	.00005	.00018	.00002	.00069
%RSD	111.40	808.26	64.431	31.217	49.977	31.594	47.381	97.219	56.064	120.17	22.437	85.090
#1	-.00059	.00007	-.00125	.00100	.00062	.00001	.00297	.00255	-.00005	-.00002	-.00006	-.00032
#2	-.00007	-.00010	-.00047	.00157	.00030	.00001	.00596	.00047	-.00012	-.00027	-.00008	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.07713**	**.00185**	**.00264**	**.00002**	**.00012**	W **.11533**	**.00011**	**.00023**	**-.00023**	**.00225**	W **.00427**
Stddev	.00448	.00555	.00040	.00320	.00004	.00001	.01413	.00027	.00055	.00075	.00335	.00166
%RSD	375.38	7.1926	21.368	121.48	153.07	10.204	12.251	241.99	239.67	330.74	148.71	38.984
#1	-.00436	.07321	.00213	.00490	.00005	.00011	.10534	-.00008	.00061	.00030	.00461	.00309
#2	.00198	.08105	.00157	.00037	.00000	.00013	.12532	.00031	-.00016	-.00076	-.00012	.00544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00177**	**-.00562**	**-.01202**	**.00011**	**-.00005**	**.00243**	**-.00021**	**.00035**	**-.00888**	**.00015**	**.00303**	**-.00071**
Stddev	.00165	.02062	.04412	.00079	.00000	.00214	.00002	.00023	.03177	.00029	.00005	.00082
%RSD	93.253	367.19	367.19	715.27	6.3407	87.915	11.468	65.133	357.65	186.74	1.7652	114.52
#1	-.00293	.00896	.01918	-.00045	-.00006	.00395	-.00019	.00019	-.03135	.00036	.00307	-.00129
#2	-.00060	-.02019	-.04322	.00067	-.00005	.00092	-.00023	.00051	.01358	-.00005	.00299	-.00014
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7158.0**	**82752.**	**6730.1**
Stddev	8.1	475.	8.8
%RSD	.11286	.57424	.13150
#1	7152.3	82416.	6723.8
#2	7163.7	83088.	6736.3

Sample Name: CCVL-2379751 Acquired: 11/14/2013 19:23:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.10965**	**.01400**	**.10203**	**.01055**	**.00097**	**.11714**	**.21374**	**.00492**	**.01053**	**.01076**	**.01459**	**.10723**	**3.0419**
Stddev	.00086	.00011	.00074	.00008	.00015	.00001	.00175	.00100	.00020	.00003	.00010	.00020	.00420	.0299
%RSD	8.3239	.09770	5.2879	.08176	1.3808	.92865	1.4965	.46716	4.1159	.32479	.94618	1.4038	3.9188	.98343
#1	.00974	.10972	.01453	.10209	.01066	.00096	.11838	.21444	.00507	.01056	.01069	.01473	.10425	3.0208
#2	.01096	.10957	.01348	.10197	.01045	.00097	.11590	.21303	.00478	.01051	.01084	.01444	.11020	3.0631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01177**	**.21338**	**.01036**	**.02021**	**1.1506**	**.04345**	**2.9693**	**.00873**	**.00165**	**.01107**	**.01282**	**.50416**	**1.0789**	**.10349**
Stddev	.00257	.00528	.00002	.00031	.0166	.00038	.0118	.00057	.00279	.00133	.00050	.03266	.0699	.00118
%RSD	21.839	2.4722	.15784	1.5138	1.4419	.86812	.39874	6.5033	169.08	12.024	3.8864	6.4787	6.4787	1.1356
#1	.01359	.21711	.01035	.02042	1.1388	.04371	2.9777	.00833	-.00032	.01013	.01247	.48106	1.0295	.10432
#2	.00995	.20965	.01037	.01999	1.1623	.04318	2.9609	.00913	.00363	.01201	.01318	.52726	1.1283	.10266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.01714**	**.00991**	**.01647**	**.04217**	**.00975**	**.02562**	**.01361**
Stddev	.00012	.00049	.00012	.00162	.05918	.00028	.00034	.00054
%RSD	1.2020	2.8868	1.1816	9.8550	140.34	2.8847	1.3419	3.9357
#1	.01003	.01679	.00983	.01532	.08402	.00995	.02537	.01324
#2	.01020	.01749	.01000	.01762	.00032	.00955	.02586	.01399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7174.4**	**81798.**	**6680.1**
Stddev	6.3	393.	98.1
%RSD	.08825	.48097	1.4687
#1	7170.0	82076.	6749.5
#2	7178.9	81520.	6610.7

Sample Name: 280-48945-d-4-b Acquired: 11/14/2013 19:26:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.02016**	**.09023**	**.10370**	**.92470**	**.00013**	**.00019**	**133.11**	**.00068**	**.00195**
Stddev	.00039	.00025	.00161	.00017	.00409	.00015	.00042	.49	.00000	.00017
%RSD	69.319	1.2564	1.7848	.16297	.44265	118.81	225.01	.37185	.63580	8.5175
#1	-.00029	.01998	.09137	.10381	.92181	.00002	-.00011	132.76	.00068	.00183
#2	-.00084	.02034	.08909	.10358	.92760	.00024	.00048	133.46	.00068	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00073**	**20.547**	**1.1945**	**.01300**	**74.224**	**.35885**	**.01019**	W **596.45**	**.00683**
Stddev	.00017	.00044	.113	.1231	.00108	.202	.00044	.00020	1.65	.00039
%RSD	16.080	59.965	.55140	10.301	8.3079	.27173	.12174	1.9555	.27588	5.7328
#1	.00116	.00104	20.467	1.1075	.01223	74.081	.35854	.01005	595.29	.00655
#2	.00092	.00042	20.627	1.2816	.01376	74.366	.35916	.01033	597.62	.00710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18472**	**-.00002**	**4.2542**	**.00072**	**-.00075**	**10.862**	**23.246**	**-.00039**	**1.3065**	**.00284**
Stddev	.00063	.00041	.0025	.00110	.00235	.040	.085	.00021	.0053	.00194
%RSD	.34210	2294.4	.05960	154.28	312.99	.36465	.36465	53.446	.40511	68.163
#1	.18517	.00027	4.2560	-.00007	-.00241	10.890	23.306	-.00054	1.3028	.00421
#2	.18427	-.00031	4.2524	.00150	.00091	10.834	23.186	-.00025	1.3103	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00009**	**-.04754**	**.00897**	**.00571**	**.00286**
Stddev	.00040	.00143	.04080	.00093	.00068	.00063
%RSD	14.229	1507.7	85.827	10.383	11.848	21.882
#1	.00310	.00110	-.01869	.00963	.00619	.00331
#2	.00253	-.00091	-.07639	.00831	.00523	.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6617.9**	**75461.**	**6737.5**
Stddev	1.7	491.	51.8
%RSD	.02629	.65100	.76933
#1	6619.1	75808.	6774.1
#2	6616.6	75113.	6700.8

Sample Name: 280-48945-d-5-b Acquired: 11/14/2013 19:28:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00632**	**.09414**	**.06880**	**.61123**	**.00007**	**-.00117**	**105.41**	**.00055**	**.00362**
Stddev	.00061	.00044	.00072	.00057	.00049	.00006	.00347	.12	.00010	.00009
%RSD	266.55	7.0191	.75961	.83292	.08031	87.476	296.11	.11309	18.024	2.5433
#1	-.00020	.00600	.09464	.06839	.61157	.00003	.00128	105.33	.00048	.00369
#2	.00066	.00663	.09363	.06920	.61088	.00012	-.00362	105.49	.00062	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00021**	**9.4789**	**.76651**	**.00693**	**56.732**	**5.5302**	**.00658**	**16.749**	**.00146**
Stddev	.00006	.00064	.0089	.02168	.00162	.036	.1030	.00017	.387	.00021
%RSD	177.14	306.97	.09429	2.8279	23.385	.06413	1.8631	2.5789	2.3127	14.711
#1	.00008	-.00024	9.4725	.75119	.00808	56.706	5.6030	.00646	16.475	.00161
#2	-.00001	.00066	9.4852	.78184	.00579	56.758	5.4573	.00669	17.022	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75173**	**.00029**	**.54324**	**.00076**	**.00059**	**15.756**	**33.717**	**-.00038**	**.98710**	**-.00107**
Stddev	.00150	.00018	.00452	.00057	.00264	.218	.467	.00050	.00083	.00023
%RSD	.19903	61.213	.83195	74.144	446.78	1.3847	1.3847	130.46	.08364	21.968
#1	.75067	.00042	.54004	.00036	.00246	15.601	33.387	-.00003	.98768	-.00123
#2	.75278	.00017	.54643	.00116	-.00128	15.910	34.047	-.00073	.98651	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00193**	**-.02743**	**.00143**	**.00473**	**-.00130**
Stddev	.00009	.00023	.01066	.00018	.00010	.00185
%RSD	71.023	11.702	38.857	12.578	2.1145	142.55
#1	-.00020	.00177	-.01990	.00130	.00480	-.00261
#2	-.00007	.00209	-.03497	.00155	.00466	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6904.6**	**79049.**	**6800.5**
Stddev	30.8	461.	58.1
%RSD	.44648	.58268	.85376
#1	6882.8	79375.	6841.5
#2	6926.4	78724.	6759.4

Sample Name: 280-48945-d-6-b Acquired: 11/14/2013 19:31:06 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00354**	**.18691**	**.09742**	**.33576**	**-.00002**	**-.00244**	**122.74**	**.00049**	**.00491**
Stddev	.00052	.00006	.00030	.00009	.00135	.00009	.00050	.24	.00019	.00013
%RSD	97.912	1.5805	.16084	.08885	.40069	585.83	20.587	.19275	38.753	2.6925
#1	-.00089	.00358	.18669	.09748	.33481	.00005	-.00280	122.57	.00036	.00500
#2	-.00016	.00351	.18712	.09736	.33671	-.00008	-.00209	122.91	.00063	.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00004**	**2.5933**	**1.3455**	**.00827**	**63.616**	**1.4380**	**.00583**	**38.884**	**.00251**
Stddev	.00003	.00039	.0100	.0239	.00238	.001	.0002	.00008	.257	.00036
%RSD	28.993	933.29	.38542	1.7753	28.768	.00222	.01216	1.4198	.66010	14.405
#1	.00009	.00024	2.6003	1.3286	.00996	63.615	1.4381	.00577	39.066	.00277
#2	.00014	-.00032	2.5862	1.3624	.00659	63.617	1.4379	.00589	38.703	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3801**	**-.00132**	**5.0332**	**-.00025**	**-.00039**	**19.353**	**41.416**	**-.00031**	**1.4268**	**.00276**
Stddev	.0070	.00097	.0129	.00050	.00435	.020	.042	.00056	.0024	.00102
%RSD	.51041	73.321	.25708	202.57	1128.9	.10193	.10193	179.03	.16650	37.082
#1	1.3851	-.00064	5.0423	-.00060	-.00346	19.367	41.446	-.00071	1.4252	.00204
#2	1.3751	-.00201	5.0240	.00011	.00269	19.339	41.386	.00008	1.4285	.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00078**	**-.02015**	**.00078**	**.00481**	**-.00187**
Stddev	.00027	.00019	.03819	.00021	.00031	.00040
%RSD	105.55	24.376	189.47	27.444	6.4829	21.118
#1	-.00006	.00092	.00685	.00093	.00459	-.00159
#2	-.00045	.00065	-.04715	.00063	.00503	-.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6948.3**	**80046.**	**6785.1**
Stddev	11.3	183.	103.3
%RSD	.16256	.22899	1.5220
#1	6940.3	80176.	6858.1
#2	6956.3	79916.	6712.1

Sample Name: 280-49103-i-2-a Acquired: 11/14/2013 19:33:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00513**	**.03370**	**.10567**	**.19394**	**.00005**	**.00066**	**105.56**	**.00064**	**.00014**
Stddev	.00054	.00015	.00188	.00046	.00013	.00001	.00186	.24	.00004	.00012
%RSD	81.594	2.9215	5.5706	.43507	.06510	17.195	281.96	.23157	6.4484	89.956
#1	-.00028	.00502	.03503	.10599	.19385	.00005	-.00065	105.38	.00061	.00005
#2	-.00104	.00523	.03238	.10534	.19403	.00006	.00197	105.73	.00067	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00006**	**3.1905**	**1.1221**	**.01138**	**63.941**	**.14231**	**.00207**	**37.455**	**.00035**
Stddev	.00003	.00027	.0101	.0343	.00374	.060	.00049	.00008	.129	.00011
%RSD	38.960	472.98	.31798	3.0521	32.851	.09374	.34636	3.7510	.34423	29.824
#1	.00011	.00013	3.1833	1.0979	.01403	63.899	.14266	.00213	37.364	.00028
#2	.00006	-.00025	3.1976	1.1463	.00874	63.984	.14197	.00202	37.546	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02676**	**-.00038**	**6.9973**	**.00101**	**-.00040**	**8.7984**	**18.829**	**-.00100**	**.58394**	**.00110**
Stddev	.00025	.00007	.0458	.00142	.00244	.0249	.053	.00090	.00112	.00116
%RSD	.95167	17.668	.65473	141.05	607.96	.28326	.28326	89.721	.19266	106.12
#1	.02658	-.00033	7.0297	.00000	-.00213	8.7808	18.791	-.00037	.58314	.00027
#2	.02694	-.00042	6.9649	.00202	.00133	8.8160	18.866	-.00164	.58473	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00053**	**-.02550**	**.00059**	**.00423**	**.00102**
Stddev	.00022	.00034	.01985	.00031	.00049	.00024
%RSD	64.956	63.888	77.848	53.075	11.502	23.921
#1	-.00050	.00077	-.03954	.00037	.00457	.00084
#2	-.00019	.00029	-.01146	.00081	.00388	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.2**	**79933.**	**6749.8**
Stddev	5.7	54.	85.2
%RSD	.08194	.06785	1.2624
#1	6906.2	79971.	6810.0
#2	6898.2	79895.	6689.5

Sample Name: 280-49103-i-3-a Acquired: 11/14/2013 19:35:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00166**	**.01140**	**.31447**	**.02338**	**-.00005**	**.00693**	**336.75**	**.00121**	**.00196**
Stddev	.00068	.00007	.00033	.00083	.00011	.00003	.00086	16.95	.00012	.00020
%RSD	182.85	4.2282	2.9356	.26504	.47287	73.503	12.426	5.0346	10.161	10.239
#1	.00011	.00161	.01116	.31388	.02330	-.00007	.00632	324.76	.00112	.00182
#2	-.00085	.00171	.01163	.31506	.02346	-.00002	.00754	348.74	.00130	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00146**	**1.0298**	**1.2412**	**.07193**	**143.52**	**.72751**	**.00241**	**164.98**	**.00580**
Stddev	.0001	.00044	.0071	.0704	.00089	1.35	.00066	.00016	.82	.00024
%RSD	19198.	30.124	.68747	5.6743	1.2387	.93942	.09065	6.6396	.49591	4.2029
#1	.00010	.00115	1.0248	1.1914	.07130	144.47	.72798	.00230	164.40	.00597
#2	-.00010	.00177	1.0348	1.2910	.07257	142.57	.72705	.00253	165.56	.00563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05852**	**-.00101**	F **370.80**	**.00064**	**-.00032**	**4.6698**	**9.9935**	**-.00064**	**4.7964**	**.00317**
Stddev	.00002	.00048	.53	.00210	.00205	.0672	.1438	.00072	.0687	.00003
%RSD	.03791	48.094	.14390	329.11	641.99	1.4386	1.4386	112.56	1.4332	1.0119
#1	.05851	-.00135	370.42	-.00085	-.00177	4.6223	9.8918	-.00013	4.8450	.00314
#2	.05854	-.00066	371.18	.00212	.00113	4.7174	10.095	-.00114	4.7478	.00319
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00107**	**-.00195**	**.00052**	**.00458**	**-.00044**
Stddev	.00071	.00163	.04008	.00020	.00018	.00004
%RSD	129.96	152.66	2052.0	38.672	3.9493	9.4724
#1	-.00004	-.00008	.02638	.00066	.00446	-.00041
#2	-.00104	.00222	-.03029	.00038	.00471	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6681.0**	**77974.**	**6775.5**
Stddev	9.7	304.	92.2
%RSD	.14551	.39041	1.3602
#1	6674.1	77758.	6840.7
#2	6687.9	78189.	6710.4

Sample Name: 280-49103-i-4-a Acquired: 11/14/2013 19:38:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00834**	**.00272**	**.03358**	**.40024**	**.00000**	**.00175**	**63.154**	**.00068**	**.01238**
Stddev	.0004	.00031	.00135	.00017	.00165	.00001	.00136	.006	.00011	.00017
%RSD	11167.	3.6890	49.584	.49498	.41213	2156.0	77.749	.00895	16.331	1.3430
#1	.00026	.00812	.00177	.03346	.40141	.00001	.00271	63.150	.00060	.01250
#2	-.00027	.00855	.00368	.03370	.39907	-.00001	.00079	63.158	.00076	.01227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00018**	**9.3889**	**.83226**	**.01239**	**26.529**	**4.9290**	**-.00023**	**55.071**	**.00387**
Stddev	.00000	.00069	.0464	.00007	.00072	.062	.0241	.00009	.571	.00016
%RSD	.65482	383.24	.49441	.00805	5.7929	.23291	.48818	40.564	1.0367	4.0789
#1	.00027	-.00031	9.4218	.83221	.01290	26.485	4.9461	-.00029	55.475	.00399
#2	.00028	.00067	9.3561	.83231	.01188	26.572	4.9120	-.00016	54.667	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61822**	**-.00105**	**20.627**	**-.00226**	**-.00069**	**19.832**	**42.441**	**-.00127**	**.28116**	**.00272**
Stddev	.00116	.00066	.017	.00143	.00089	.194	.416	.00113	.00053	.00079
%RSD	.18732	62.875	.08296	63.108	130.06	.97920	.97920	88.415	.18945	28.892
#1	.61740	-.00151	20.615	-.00125	-.00006	19.969	42.735	-.00207	.28154	.00328
#2	.61904	-.00058	20.639	-.00327	-.00132	19.695	42.147	-.00048	.28078	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00168**	**-.04684**	**.00130**	**.00391**	**.00096**
Stddev	.00031	.00061	.01470	.00008	.00026	.00006
%RSD	611.19	35.979	31.390	6.2771	6.6773	6.0399
#1	.00017	.00125	-.03644	.00136	.00373	.00100
#2	-.00027	.00211	-.05724	.00125	.00410	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7202.2**	**83319.**	**7225.6**
Stddev	6.1	196.	30.4
%RSD	.08514	.23478	.42074
#1	7197.8	83181.	7247.1
#2	7206.5	83458.	7204.1

Sample Name: 280-49103-i-5-a Acquired: 11/14/2013 19:40:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00237**	**.00135**	**.11296**	**.11565**	**-.00006**	**.00162**	**168.00**	**.00089**	**-.00023**
Stddev	.00086	.00000	.00087	.00080	.00143	.00004	.00167	.29	.00035	.00018
%RSD	137.73	.02289	64.303	.71044	1.2349	70.242	103.37	.17248	39.619	78.598
#1	-.00124	.00237	.00074	.11239	.11666	-.00003	.00280	168.21	.00064	-.00036
#2	-.00002	.00237	.00197	.11352	.11464	-.00009	.00044	167.80	.00114	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00030**	**.19575**	**1.0998**	**.01129**	**123.04**	**.52216**	**.00116**	**131.01**	**.00133**
Stddev	.00010	.00029	.00617	.0072	.00095	.27	.00109	.00006	.03	.00040
%RSD	29.228	96.451	3.1501	.65868	8.4404	.22089	.20803	5.5652	.02484	29.939
#1	.00040	-.00051	.20011	1.0947	.01197	123.24	.52292	.00112	131.03	.00161
#2	.00026	-.00010	.19139	1.1049	.01062	122.85	.52139	.00121	130.99	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05436**	**-.00133**	**114.45**	**-.00048**	**-.00042**	**8.7245**	**18.671**	**-.00045**	**.93479**	**.00375**
Stddev	.00005	.00040	.10	.00063	.00037	.1672	.358	.00000	.00085	.00139
%RSD	.09943	29.936	.08899	130.12	88.132	1.9166	1.9166	.16303	.09136	37.101
#1	.05440	-.00161	114.53	-.00093	-.00068	8.8428	18.924	-.00045	.93539	.00474
#2	.05432	-.00105	114.38	-.00004	-.00016	8.6063	18.417	-.00045	.93418	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00078**	W **-.05899**	**.00065**	**.00391**	**.00044**
Stddev	.00004	.00044	.01562	.00028	.00027	.00075
%RSD	11.829	56.273	26.472	43.450	6.8904	168.94
#1	-.00034	.00110	-.07003	.00045	.00410	-.00009
#2	-.00028	.00047	-.04795	.00085	.00372	.00097
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6828.7**	**79158.**	**7011.1**
Stddev	19.5	168.	81.1
%RSD	.28577	.21248	1.1568
#1	6842.5	79040.	6953.8
#2	6814.9	79277.	7068.5

Sample Name: 280-49103-i-6-a Acquired: 11/14/2013 19:43:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00697**	**.02608**	**.22833**	**.27579**	**.00002**	**.00087**	**120.57**	**.00092**	**-.00027**
Stddev	.00024	.00012	.00028	.00035	.00037	.00006	.00091	.66	.00003	.00026
%RSD	27.119	1.7882	1.0705	.15288	.13298	323.07	104.21	.54722	2.9717	96.761
#1	-.00107	.00689	.02589	.22808	.27553	.00006	.00023	120.11	.00090	-.00046
#2	-.00073	.00706	.02628	.22857	.27605	-.00002	.00151	121.04	.00094	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00027**	**4.1396**	**1.5462**	**.02375**	**74.142**	**.60878**	**.00458**	**198.44**	**.00260**
Stddev	.00011	.00030	.0060	.0162	.00020	.312	.00173	.00032	.43	.00032
%RSD	18.993	110.55	.14607	1.0481	.83364	.42113	.28375	6.9358	.21537	12.315
#1	.00049	.00049	4.1439	1.5348	.02361	73.921	.60756	.00436	198.14	.00282
#2	.00064	.00006	4.1353	1.5577	.02389	74.363	.61001	.00481	198.74	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0842**	**-.00131**	**51.856**	**.00010**	**.00152**	**10.805**	**23.122**	**-.00009**	**1.0645**	**.00075**
Stddev	.0049	.00005	.062	.00138	.00020	.001	.003	.00056	.0027	.00228
%RSD	.45592	4.0544	.11952	1353.6	13.422	.01315	.01315	613.38	.25279	303.56
#1	1.0807	-.00135	51.812	.00108	.00167	10.806	23.124	.00030	1.0626	-.00086
#2	1.0877	-.00127	51.900	-.00087	.00138	10.804	23.120	-.00048	1.0664	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00106**	**-.03813**	**.00562**	**.00487**	**.00296**
Stddev	.00019	.00114	.05645	.00008	.00027	.00033
%RSD	549.80	107.99	148.05	1.4886	5.5167	11.223
#1	.00010	.00186	.00179	.00568	.00468	.00273
#2	-.00017	.00025	-.07804	.00556	.00506	.00320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.7**	**80078.**	**7106.7**
Stddev	7.1	323.	8.0
%RSD	.10232	.40329	.11206
#1	6917.7	80306.	7101.1
#2	6907.7	79850.	7112.3

Sample Name: CCVH-2372891 Acquired: 11/14/2013 19:45:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00459**	**48.815**	**-.00207**	**.00085**	**.00032**	**-.00007**	**1.0447**	**.01693**	**.00071**	**-.00112**	**.00016**	**-.00479**	**49.190**
Stddev	.00078	.008	.00054	.00020	.00012	.00008	.0038	.00026	.00015	.00027	.00004	.00019	.298
%RSD	16.921	.01693	26.178	23.057	38.820	108.09	.36610	1.5424	21.284	24.557	27.209	3.9581	.60488
#1	-.00404	48.810	-.00169	.00098	.00041	-.00013	1.0420	.01674	.00081	-.00092	.00013	-.00465	48.979
#2	-.00514	48.821	-.00246	.00071	.00023	-.00002	1.0474	.01711	.00060	-.00131	.00020	-.00492	49.400
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30229**	**.00148**	**.06351**	**-.00011**	**.00007**	**247.80**	**-.00065**	**.00477**	**-.00265**	**5.0666**	**.00170**	**-.00895**	**.00426**
Stddev	.00478	.00082	.00013	.00004	.00001	.10	.00017	.00178	.00016	.0065	.00198	.00550	.00180
%RSD	1.5807	55.079	.20080	38.065	15.296	.03919	25.710	37.440	6.0720	.12897	116.56	61.439	42.239
#1	.29891	.00090	.06360	-.00014	.00008	247.87	-.00077	.00350	-.00254	5.0620	.00310	-.00506	.00553
#2	.30567	.00206	.06342	-.00008	.00007	247.73	-.00053	.00603	-.00277	5.0712	.00030	-.01283	.00299
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00911**	**-.00043**	**.00006**	**4.9526**	**.01150**	**.00246**	F **7.9747**	**.00027**	**.00161**	**-.06040**
Stddev	.00385	.00013	.00010	.0158	.00006	.00055	.0185	.00088	.00036	.00017
%RSD	42.239	30.715	157.44	.31885	.49846	22.449	.23188	323.23	22.683	.28588
#1	.01183	-.00052	.00013	4.9414	.01154	.00207	7.9616	.00090	.00135	-.06052
#2	.00639	-.00034	-.00001	4.9638	.01146	.00285	7.9878	-.00035	.00187	-.06027
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7166.8**	**81963.**	**7166.7**
Stddev	4.1	359.	37.4
%RSD	.05699	.43765	.52124
#1	7169.7	82216.	7140.2
#2	7163.9	81709.	7193.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 19:47:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51773**	**.51416**	**1.0167**	**.51123**	**.49709**	**.47614**	**-.01231**	**4.7100**	**.48465**	**.49531**	**.51547**	**.49819**	**2.5415**
Stddev	.00229	.00249	.0043	.00041	.00089	.00064	.00024	.0102	.00041	.00031	.00075	.00059	.0076
%RSD	.44238	.48494	.42043	.07922	.17895	.13358	1.9446	.21688	.08527	.06197	.14610	.11811	.29836
#1	.51611	.51240	1.0137	.51095	.49646	.47569	-.01214	4.7028	.48435	.49509	.51494	.49777	2.5361
#2	.51935	.51593	1.0197	.51152	.49772	.47659	-.01248	4.7172	.48494	.49553	.51601	.49860	2.5468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.840**	**.97138**	**19.727**	**.48543**	**.51314**	**5.1564**	**.52266**	**1.0177**	**.96981**	**.00375**	**1.0155**	**1.0364**	**5.0002**
Stddev	.070	.00287	.059	.00032	.00151	.0008	.00575	.0011	.00176	.00240	.0014	.0030	.0457
%RSD	.14625	.29511	.29918	.06592	.29451	.01622	1.1001	.10537	.18138	64.049	.13808	.28799	.91329
#1	47.791	.96935	19.685	.48520	.51207	5.1558	.51859	1.0169	.96857	.00544	1.0145	1.0385	4.9679
#2	47.889	.97340	19.769	.48565	.51421	5.1570	.52673	1.0184	.97106	.00205	1.0165	1.0343	5.0325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**1.0144**	**.48840**	**.00220**	**.49540**	**.99897**	**-.00447**	**.47818**	**.49043**	**.48919**
Stddev	.098	.0040	.00121	.00141	.00176	.00213	.04539	.00067	.00058	.00081
%RSD	.91329	.39572	.24752	63.981	.35608	.21279	1016.3	.13945	.11773	.16645
#1	10.631	1.0116	.48755	.00320	.49416	.99747	-.03656	.47771	.49002	.48861
#2	10.769	1.0172	.48926	.00121	.49665	1.0005	.02763	.47865	.49084	.48976
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7174.3**	**82395.**	**6908.8**
Stddev	26.1	134.	75.0
%RSD	.36323	.16298	1.0854
#1	7192.8	82300.	6961.8
#2	7155.9	82490.	6855.8

Sample Name: CCB Acquired: 11/14/2013 19:49:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00006**	**-.00283**	**.00115**	**.00024**	**.00009**	**.00109**	**-.00049**	**-.00002**	**-.00014**	**-.00005**	**-.00058**	**-.00118**
Stddev	.00027	.00022	.00195	.00009	.00027	.00002	.00056	.00415	.00005	.00016	.00015	.00053	.00079
%RSD	56.421	383.51	68.944	8.0532	115.90	27.734	51.245	844.22	264.55	119.33	283.94	92.473	66.915
#1	-.00028	-.00010	-.00421	.00109	.00004	.00007	.00069	-.00343	-.00005	-.00025	.00005	-.00095	-.00062
#2	-.00066	.00022	-.00145	.00122	.00043	.00010	.00148	.00245	.00002	-.00002	-.00016	-.00020	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15626**	**.00037**	**.00000**	**.00006**	**.00015**	F **.20276**	**-.00008**	**.00078**	**-.00061**	**.00570**	F **.00719**	**-.00124**	**.00763**
Stddev	.01378	.00068	.0008	.00000	.00022	.01000	.00005	.00030	.00036	.00139	.00208	.00076	.01081
%RSD	8.8210	182.31	83772.	7.0987	153.18	4.9313	62.600	38.627	58.949	24.306	28.867	61.301	141.70
#1	.14652	.00085	.00060	.00006	-.00001	.20983	-.00012	.00057	-.00036	.00668	.00572	-.00178	-.00002
#2	.16601	-.00011	-.00060	.00006	.00030	.19569	-.00004	.00100	-.00087	.00472	.00866	-.00070	.01528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.18320					.00628		
Low Limit						-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01633**	**-.00049**	**-.00005**	**.00416**	**.00042**	**.00086**	**-.04851**	**-.00014**	**.00330**	**-.00047**
Stddev	.02314	.00069	.00006	.00016	.00003	.00082	.02311	.00052	.00041	.00122
%RSD	141.70	141.95	110.62	3.8461	6.4327	94.970	47.643	369.59	12.546	258.33
#1	-.00003	-.00098	-.00009	.00427	.00040	.00145	-.06486	-.00051	.00359	-.00133
#2	.03269	.00000	-.00001	.00405	.00044	.00028	-.03217	.00023	.00301	.00039
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.6**	**82291.**	**6795.9**
Stddev	12.2	526.	80.7
%RSD	.17125	.63869	1.1875
#1	7138.3	82663.	6738.9
#2	7121.0	81920.	6853.0

Sample Name: CCVL-2379751 Acquired: 11/14/2013 19:52:16 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00933**	**.10532**	**.01364**	**.10131**	**.01015**	**.00092**	**.11530**	**.19822**	**.00466**	**.01010**	**.01042**	**.01432**	**.10274**
Stddev	.00027	.00075	.00041	.00113	.00023	.00005	.00056	.00766	.00021	.00015	.00015	.00094	.00715
%RSD	2.8461	.71090	2.9960	1.1151	2.3045	4.9168	.48802	3.8627	4.4191	1.5053	1.4670	6.5715	6.9619
#1	.00914	.10479	.01393	.10051	.01031	.00089	.11490	.19280	.00480	.00999	.01031	.01366	.09768
#2	.00952	.10585	.01335	.10211	.00998	.00095	.11570	.20363	.00451	.01021	.01052	.01499	.10779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9874**	**.01042**	**.20770**	**.00990**	**.01990**	**1.1431**	**.04218**	**2.9684**	**.00909**	**.00433**	**.01128**	**.01358**	**.52063**
Stddev	.0833	.00003	.00090	.00012	.00030	.0062	.00061	.0302	.00078	.00143	.00220	.00432	.00533
%RSD	2.7877	.25407	.43363	1.1893	1.4914	.54269	1.4505	1.0179	8.5540	33.108	19.530	31.817	1.0245
#1	2.9285	.01040	.20706	.00981	.02011	1.1387	.04174	2.9470	.00854	.00534	.01284	.01663	.52440
#2	3.0463	.01043	.20834	.00998	.01969	1.1475	.04261	2.9898	.00964	.00332	.00972	.01052	.51686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1142**	**.10388**	**.00968**	**.01580**	**.01011**	**.01620**	F **.10437**	**.00909**	**.02405**	**.01486**
Stddev	.0114	.00136	.00012	.00065	.00002	.00084	.00157	.00023	.00044	.00131
%RSD	1.0245	1.3069	1.2277	4.1359	.17953	5.1644	1.4998	2.5199	1.8277	8.7970
#1	1.1222	.10292	.00960	.01534	.01013	.01561	.10547	.00893	.02374	.01394
#2	1.1061	.10484	.00976	.01627	.01010	.01679	.10326	.00925	.02436	.01579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7290.4**	**84267.**	**6879.7**
Stddev	11.9	317.	38.9
%RSD	.16265	.37587	.56568
#1	7282.0	84043.	6907.2
#2	7298.8	84491.	6852.2

Sample Name: mb 280-200045/1-a Acquired: 11/14/2013 19:54:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.02766**	**-.00106**	**.00047**	**.00012**	**-.00006**	**.00584**	**.00306**	**-.00003**	**-.00019**
Stddev	.00030	.00001	.00257	.00015	.00024	.00001	.00017	.00254	.00019	.00002
%RSD	96.425	.01823	242.05	32.676	198.28	19.236	2.8923	82.964	694.91	8.4825
#1	-.00052	.02766	.00076	.00058	-.00005	-.00006	.00596	.00127	.00011	-.00020
#2	-.00010	.02766	-.00288	.00036	.00029	-.00007	.00572	.00486	-.00016	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00025**	**.00192**	**.14614**	**.00329**	**.00336**	**.00041**	**-.00033**	**.17316**	**-.00023**
Stddev	.00001	.00032	.00022	.01018	.00078	.00139	.00004	.00026	.01553	.00010
%RSD	19.041	126.07	11.648	6.9671	23.608	41.378	9.2294	80.149	8.9663	42.300
#1	.00006	-.00048	.00208	.13894	.00384	.00434	.00044	-.00014	.18414	-.00016
#2	.00005	-.00003	.00176	.15334	.00274	.00237	.00039	-.00051	.16218	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00005**	**.01247**	**.00125**	**.00016**	**.01373**	**.02939**	**-.00020**	**-.00008**	**.00184**
Stddev	.00012	.00016	.00047	.00105	.00125	.01063	.02275	.00003	.00018	.00100
%RSD	534.85	327.96	3.7772	84.128	760.55	77.396	77.396	14.458	218.41	54.521
#1	-.00006	.00006	.01280	.00051	-.00072	.02125	.04547	-.00022	-.00021	.00113
#2	.00011	-.00016	.01213	.00200	.00105	.00622	.01330	-.00018	.00004	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00033**	**-.02365**	**-.00025**	**.00407**	**.00031**
Stddev	.00018	.00076	.00774	.00004	.00009	.00016
%RSD	169.81	230.72	32.719	15.620	2.1431	51.832
#1	-.00002	.00087	-.02912	-.00027	.00401	.00042
#2	.00023	-.00021	-.01818	-.00022	.00413	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.9**	**83689.**	**6847.8**
Stddev	8.3	265.	28.9
%RSD	.11467	.31648	.42203
#1	7190.0	83501.	6868.2
#2	7201.7	83876.	6827.3

Sample Name: lcs 280-200045/2-a Acquired: 11/14/2013 19:56:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05150**	**2.0134**	**1.0612**	**1.0752**	**2.0695**	**.04993**	**2.1654**	**47.990**	**.10155**	**.50201**
Stddev	.00002	.0074	.0089	.0049	.0042	.00065	.0039	.037	.00003	.00018
%RSD	.04541	.36793	.84012	.45804	.20257	1.3072	.17978	.07760	.03425	.03534
#1	.05148	2.0187	1.0675	1.0717	2.0665	.04946	2.1627	47.964	.10152	.50214
#2	.05151	2.0082	1.0549	1.0787	2.0724	.05039	2.1682	48.016	.10157	.50188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21432**	**.25866**	**1.0438**	**50.510**	**1.0253**	**51.193**	**.50106**	**1.0660**	**53.101**	**.52250**
Stddev	.00044	.00237	.0123	.017	.0003	.034	.00081	.0015	.314	.00047
%RSD	.20413	.91471	1.1758	.03409	.02954	.06708	.16132	.13787	.59183	.09082
#1	.21401	.25698	1.0351	50.497	1.0250	51.217	.50163	1.0649	52.879	.52283
#2	.21463	.26033	1.0525	50.522	1.0255	51.168	.50049	1.0670	53.323	.52216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.713**	**.48211**	**2.0948**	**.52486**	**2.1273**	**10.486**	**22.439**	**2.0808**	**1.0177**	**1.0261**
Stddev	.001	.00124	.0081	.00198	.0022	.029	.061	.0012	.0023	.0010
%RSD	.00650	.25672	.38536	.37666	.10271	.27266	.27266	.05781	.22220	.09422
#1	10.712	.48299	2.0891	.52346	2.1257	10.506	22.482	2.0817	1.0161	1.0254
#2	10.713	.48124	2.1005	.52626	2.1288	10.465	22.396	2.0800	1.0193	1.0268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0438**	**1.9715**	F **3.3230**	**.50393**	**.50479**	**.50254**
Stddev	.0017	.0032	.0297	.00023	.00022	.00093
%RSD	.16429	.16067	.89294	.04608	.04313	.18580
#1	1.0450	1.9692	3.3440	.50376	.50495	.50320
#2	1.0425	1.9737	3.3020	.50409	.50464	.50188
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.1**	**79958.**	**6804.8**
Stddev	20.8	209.	85.8
%RSD	.29757	.26195	1.2608
#1	6962.4	79810.	6744.1
#2	6991.8	80106.	6865.4

Sample Name: lcsd 280-200045/3-a Acquired: 11/14/2013 19:58:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05067**	**1.9797**	**1.0341**	**1.0582**	**2.0250**	**.04854**	**2.1295**	**46.963**	**.09954**	**.49332**
Stddev	.00054	.0030	.0023	.0030	.0004	.00010	.0042	.055	.00020	.00006
%RSD	1.0654	.15347	.22031	.28015	.02038	.19782	.19574	.11648	.20555	.01215
#1	.05029	1.9819	1.0357	1.0561	2.0253	.04847	2.1265	47.001	.09969	.49336
#2	.05106	1.9776	1.0325	1.0603	2.0247	.04861	2.1324	46.924	.09940	.49328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21191**	**.25415**	**1.0260**	**49.193**	**1.0004**	**50.004**	**.49028**	**1.0563**	**51.639**	**.51479**
Stddev	.00077	.00033	.0045	.145	.0009	.111	.00067	.0015	.174	.00283
%RSD	.36163	.12811	.43800	.29557	.08795	.22129	.13713	.14132	.33702	.54948
#1	.21137	.25438	1.0292	49.295	1.0010	49.926	.48980	1.0552	51.762	.51279
#2	.21245	.25392	1.0228	49.090	.99974	50.082	.49075	1.0573	51.516	.51680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.476**	**.47317**	**2.0619**	**.51817**	**2.0734**	**10.354**	**22.158**	**2.0553**	**.99659**	**1.0069**
Stddev	.040	.00090	.0049	.00032	.0009	.071	.151	.0042	.00016	.0001
%RSD	.37961	.18941	.23976	.06217	.04222	.68218	.68218	.20193	.01557	.01422
#1	10.448	.47254	2.0584	.51840	2.0740	10.404	22.265	2.0524	.99648	1.0068
#2	10.505	.47380	2.0654	.51794	2.0728	10.304	22.051	2.0582	.99670	1.0070
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0306**	**1.9295**	F **3.2816**	**.49340**	**.49009**	**.49446**
Stddev	.0004	.0004	.0014	.00088	.00067	.00490
%RSD	.04295	.01922	.04215	.17762	.13616	.99048
#1	1.0303	1.9297	3.2806	.49402	.48962	.49793
#2	1.0309	1.9292	3.2826	.49278	.49056	.49100
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6937.6**	**79971.**	**6761.9**
Stddev	4.8	350.	17.9
%RSD	.06877	.43797	.26436
#1	6934.3	80219.	6749.3
#2	6941.0	79723.	6774.6

Sample Name: 280-48951-b-16-b Acquired: 11/14/2013 20:01:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00340**	**-.00143**	**.00346**	**.00007**	**-.00004**	**.00250**	**.02428**	**.00022**	**-.00010**
Stddev	.00034	.00021	.00059	.00093	.00016	.00008	.00155	.00527	.00009	.00006
%RSD	36.697	6.2185	41.335	26.953	239.37	182.63	62.205	21.697	41.196	60.110
#1	-.00118	.00325	-.00101	.00412	.00019	-.00010	.00140	.02800	.00016	-.00014
#2	-.00069	.00354	-.00185	.00280	-.00005	.00001	.00359	.02055	.00029	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00070**	**.00469**	**.15256**	**.00118**	**.01261**	**.00031**	**.00043**	**.21900**	**-.00027**
Stddev	.00003	.00008	.00172	.03859	.00080	.00188	.00004	.00021	.01010	.00027
%RSD	88.622	11.379	36.664	25.298	68.107	14.931	14.270	47.931	4.6131	102.85
#1	.00001	-.00064	.00591	.17985	.00061	.01128	.00034	.00058	.22615	-.00046
#2	.00006	-.00076	.00347	.12527	.00175	.01394	.00028	.00029	.21186	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00834**	**-.00013**	**.01557**	**.00076**	**.00447**	**.01601**	**.03426**	**-.00026**	**.00007**	**.00353**
Stddev	.00128	.00031	.00328	.00103	.00383	.00074	.00159	.00012	.00003	.00105
%RSD	15.288	235.33	21.038	134.57	85.833	4.6364	4.6364	47.207	40.485	29.832
#1	.00744	-.00036	.01788	.00149	.00176	.01653	.03538	-.00035	.00005	.00428
#2	.00925	.00009	.01325	.00004	.00718	.01548	.03314	-.00018	.00009	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00043**	**-.02648**	**.00005**	**.00360**	**-.00060**
Stddev	.00002	.00036	.01292	.00006	.00011	.00005
%RSD	6.5640	84.037	48.803	110.61	3.0207	9.0704
#1	.00026	.00069	-.03561	.00001	.00368	-.00063
#2	.00024	.00018	-.01734	.00009	.00352	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7201.7**	**83875.**	**6853.4**
Stddev	12.4	4.	10.9
%RSD	.17168	.00417	.15932
#1	7193.0	83872.	6861.1
#2	7210.5	83877.	6845.7

Sample Name: 280-48797-b-1-c Acquired: 11/14/2013 20:03:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00701**	**.00257**	**.21101**	**.03538**	**.00004**	**.00236**	**39.119**	**.00037**	**.00086**
Stddev	.00049	.00001	.00106	.00100	.00029	.00005	.00003	.118	.00004	.00000
%RSD	100.66	.14951	41.058	.47581	.83083	124.52	1.2411	.30171	10.382	.52878
#1	-.00084	.00700	.00332	.21172	.03517	.00001	.00238	39.202	.00040	.00086
#2	-.00014	.00702	.00183	.21030	.03558	.00008	.00234	39.035	.00035	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01880**	**.18452**	**5.7027**	**.05677**	**23.075**	**.26092**	**.00514**	**187.32**	**.01587**
Stddev	.00001	.00019	.00461	.0409	.00479	.032	.00001	.00006	.66	.00031
%RSD	2.9033	1.0106	2.4968	.71725	8.4337	.13850	.00487	1.2639	.35434	1.9414
#1	.00049	.01866	.18126	5.6738	.05338	23.053	.26093	.00510	187.78	.01609
#2	.00047	.01893	.18778	5.7316	.06015	23.098	.26091	.00519	186.85	.01565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02296**	**.00039**	**122.90**	**-.00087**	**.00137**	**1.8609**	**3.9823**	**.00074**	**1.2448**	**.00156**
Stddev	.00189	.00005	.13	.00134	.00099	.0045	.0095	.00017	.0027	.00151
%RSD	8.2397	12.262	.10877	154.74	72.167	.23910	.23910	23.374	.21615	96.725
#1	.02162	.00042	123.00	-.00181	.00207	1.8640	3.9890	.00086	1.2467	.00263
#2	.02429	.00035	122.81	.00008	.00067	1.8577	3.9756	.00061	1.2429	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00007**	**-.03454**	**.00021**	**.28241**	**.00357**
Stddev	.00009	.00043	.07185	.00003	.00063	.00071
%RSD	62.752	632.05	208.00	13.247	.22208	19.911
#1	-.00020	-.00037	-.08535	.00019	.28197	.00407
#2	-.00008	.00024	.01626	.00023	.28286	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6814.8**	**78325.**	**6839.3**
Stddev	11.6	415.	10.4
%RSD	.16964	.52998	.15166
#1	6806.6	78619.	6846.6
#2	6823.0	78032.	6831.9

Sample Name: 280-48797-b-1-cSD@5 Acquired: 11/14/2013 20:05:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.01095**	**-.00222**	**.04418**	**.00735**	**-.00001**	**.00450**	**7.9667**	**.00012**	**.00027**
Stddev	.00042	.00001	.00269	.00011	.00007	.00008	.00077	.0392	.00017	.00020
%RSD	50.922	.07865	121.47	.25653	.94057	1301.7	17.045	.49184	138.19	74.775
#1	-.00053	.01095	-.00031	.04426	.00740	.00005	.00504	7.9390	.00024	.00013
#2	-.00112	.01096	-.00412	.04410	.00730	-.00006	.00396	7.9944	.00000	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00337**	**.04795**	**1.2582**	**.01261**	**4.7693**	**.05357**	**.00085**	**38.677**	**.00325**
Stddev	.00020	.00023	.00133	.0516	.00095	.0086	.00002	.00006	.013	.00025
%RSD	79.426	6.8986	2.7699	4.1026	7.5040	.17958	.03190	6.4955	.03458	7.6994
#1	.00038	.00353	.04889	1.2217	.01194	4.7754	.05358	.00081	38.686	.00307
#2	.00011	.00320	.04702	1.2947	.01328	4.7633	.05355	.00089	38.667	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00398**	**-.00033**	**24.447**	**.00018**	**-.00392**	**.36333**	**.77752**	**.00201**	**.25155**	**.00233**
Stddev	.00072	.00068	.012	.00054	.00216	.01302	.02787	.00015	.00139	.00023
%RSD	18.204	207.12	.04985	303.84	54.971	3.5848	3.5848	7.5601	.55217	9.7992
#1	.00347	.00015	24.456	.00056	-.00240	.37254	.79723	.00191	.25057	.00217
#2	.00449	-.00081	24.439	-.00020	-.00545	.35412	.75781	.00212	.25254	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00021**	**-.03248**	**.00004**	**.06224**	**-.00090**
Stddev	.00020	.00006	.02419	.00038	.00065	.00016
%RSD	165.98	28.856	74.471	894.72	1.0450	18.263
#1	-.00002	.00016	-.01538	.00031	.06270	-.00078
#2	.00026	.00025	-.04959	-.00023	.06178	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.7**	**82271.**	**6863.8**
Stddev	9.4	478.	15.7
%RSD	.13183	.58041	.22942
#1	7107.3	81933.	6874.9
#2	7094.1	82608.	6852.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:07:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00568**	**48.911**	**.00024**	**.00144**	**.00057**	**-.00005**	**1.0470**	**.02115**	**.00084**	**-.00092**	**.00029**	**-.00468**	**50.111**
Stddev	.00005	.153	.00375	.00082	.00038	.00006	.0031	.00120	.00030	.00019	.00004	.00068	.091
%RSD	.95529	.31264	1569.1	56.727	66.434	122.03	.29412	5.6799	35.344	20.453	12.253	14.535	.18205
#1	-.00572	49.019	-.00241	.00202	.00030	-.00001	1.0492	.02200	.00105	-.00105	.00026	-.00517	50.175
#2	-.00564	48.802	.00289	.00087	.00084	-.00010	1.0448	.02030	.00063	-.00079	.00031	-.00420	50.046
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24672**	**.00240**	**.11138**	**.00057**	**.00048**	**247.42**	**-.00045**	**.00408**	**-.00164**	**5.0604**	**.00257**	**-.00348**	**-.00054**
Stddev	.07413	.00157	.06404	.00103	.00013	.20	.00036	.00034	.00019	.0081	.00110	.00138	.00566
%RSD	30.045	65.447	57.498	182.73	27.289	.07919	81.405	8.3963	11.326	.15956	42.807	39.571	1047.6
#1	.19430	.00129	.06610	-.00017	.00057	247.56	-.00019	.00384	-.00177	5.0547	.00334	-.00251	-.00454
#2	.29913	.00351	.15667	.00130	.00039	247.29	-.00070	.00432	-.00151	5.0661	.00179	-.00446	.00346
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**-.00030**	**.00020**	**4.9393**	**.01215**	**.00230**	F **8.0359**	**.00102**	**.00194**	**-.06143**
Stddev	.01212	.00109	.00004	.0155	.00080	.00071	.0761	.00031	.00075	.00196
%RSD	1047.6	361.11	18.415	.31417	6.5643	31.008	.94741	29.972	38.431	3.1923
#1	-.00973	.00047	.00017	4.9503	.01159	.00280	8.0898	.00080	.00141	-.06004
#2	.00741	-.00108	.00022	4.9283	.01272	.00179	7.9821	.00124	.00247	-.06282
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7085.6**	**80795.**	**6893.9**
Stddev	3.4	257.	48.7
%RSD	.04731	.31765	.70679
#1	7083.3	80613.	6928.3
#2	7088.0	80976.	6859.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:10:22 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52087**	**.52246**	**1.0235**	**.51657**	**.49780**	**.47476**	**-.01064**	**4.6774**	**.48546**	**.49622**	**.51898**	**.49686**	**2.5440**
Stddev	.00066	.00585	.0035	.00191	.00108	.00026	.00205	.0028	.00118	.00071	.00107	.00116	.0126
%RSD	.12612	1.1194	.34201	.36957	.21693	.05536	19.245	.05954	.24264	.14400	.20624	.23410	.49484
#1	.52134	.52660	1.0260	.51792	.49857	.47495	-.00919	4.6793	.48629	.49673	.51973	.49768	2.5529
#2	.52041	.51833	1.0211	.51522	.49704	.47458	-.01209	4.6754	.48462	.49572	.51822	.49604	2.5351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.512**	**.97550**	**19.730**	**.48260**	**.51451**	**5.1091**	**.52217**	**1.0250**	**.96322**	**.00079**	**1.0112**	**1.0465**	**4.9763**
Stddev	.136	.00218	.045	.00094	.00128	.0138	.00183	.0003	.00587	.00056	.0010	.0012	.0024
%RSD	.28712	.22336	.22584	.19581	.24940	.27092	.35096	.02488	.60951	70.494	.09397	.11167	.04914
#1	47.608	.97704	19.762	.48326	.51360	5.1189	.52346	1.0252	.95907	.00040	1.0106	1.0457	4.9781
#2	47.416	.97396	19.699	.48193	.51541	5.0993	.52087	1.0248	.96737	.00118	1.0119	1.0473	4.9746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.649**	**1.0168**	**.48883**	**.00420**	**.49511**	**.99792**	**-.02833**	**.47924**	**.49133**	**.48427**
Stddev	.005	.0004	.00010	.00034	.00005	.00142	.03945	.00040	.00168	.00234
%RSD	.04914	.03779	.01984	8.1883	.00986	.14191	139.23	.08445	.34265	.48331
#1	10.653	1.0170	.48890	.00396	.49515	.99692	-.05623	.47953	.49252	.48593
#2	10.646	1.0165	.48877	.00444	.49508	.99892	-.00044	.47896	.49014	.48262
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7188.9**	**82572.**	**6920.0**
Stddev	15.9	51.	23.0
%RSD	.22064	.06122	.33245
#1	7177.7	82607.	6936.3
#2	7200.2	82536.	6903.7

Sample Name: CCB Acquired: 11/14/2013 20:12:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00868**	**.00013**	**.00123**	**.00032**	**.00009**	**.00232**	**.00183**	**.00013**	**-.00020**	**.00011**	**-.00106**
Stddev	.00015	.01193	.00242	.00046	.00002	.00004	.00103	.00203	.00018	.00021	.00014	.00022
%RSD	22.411	137.45	1812.5	37.197	4.7604	46.360	44.461	110.89	143.11	105.80	134.99	20.875
#1	-.00080	.01712	.00184	.00155	.00033	.00006	.00159	.00326	.00026	-.00005	.00021	-.00091
#2	-.00058	.00024	-.00158	.00091	.00031	.00012	.00305	.00039	.00000	-.00034	.00000	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**.16635**	**.00238**	**.00341**	**-.00002**	**.00045**	W **.14321**	**.00004**	**.00046**	**-.00085**	**.02224**	F **.00764**
Stddev	.00031	.02804	.00038	.00010	.00004	.00009	.00549	.00032	.00153	.00044	.02707	.00016
%RSD	13.660	16.856	16.138	2.9630	210.67	20.803	3.8367	813.20	331.43	51.355	121.72	2.1042
#1	-.00245	.14652	.00265	.00348	.00001	.00038	.14710	.00027	.00155	-.00116	.04138	.00775
#2	-.00202	.18618	.00211	.00334	-.00005	.00052	.13933	-.00019	-.00062	-.00054	.00310	.00752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00101**	**.00216**	**.00006**	**-.00010**	**.00403**	**-.00020**	**.00078**	**-.02479**	**-.00001**	**.00243**	**-.00023**
Stddev	.00223	.00046	.00099	.00023	.00007	.00014	.00005	.00065	.01629	.00031	.00049	.00019
%RSD	127.70	45.951	45.951	417.77	65.971	3.5207	25.092	83.275	65.692	2509.7	20.150	84.216
#1	.00333	.00134	.00286	.00022	-.00006	.00413	-.00017	.00124	-.03631	.00021	.00208	-.00037
#2	.00017	.00068	.00146	-.00011	-.00015	.00393	-.00024	.00032	-.01328	-.00023	.00278	-.00009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7164.6**	**82507.**	**6779.7**
Stddev	2.5	27.	23.9
%RSD	.03460	.03263	.35201
#1	7162.9	82526.	6796.6
#2	7166.4	82488.	6762.8

Sample Name: CCVL2379751 Acquired: 11/14/2013 20:14:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00968**	**.10713**	**.01325**	**.10212**	**.01034**	**.00095**	**.11572**	**.20010**	**.00479**	**.01030**	**.01051**	**.01467**	**.10295**
Stddev	.00030	.00006	.00058	.00067	.00034	.00007	.00183	.00137	.00005	.00003	.00001	.00009	.00233
%RSD	3.0901	.05602	4.3844	.65843	3.3272	7.7192	1.5821	.68516	1.0414	.24542	.14178	.62481	2.2634
#1	.00989	.10709	.01366	.10164	.01010	.00090	.11442	.20107	.00482	.01032	.01050	.01461	.10460
#2	.00946	.10717	.01284	.10259	.01058	.00100	.11701	.19913	.00475	.01028	.01052	.01474	.10130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9527**	**.01191**	**.20991**	**.01001**	**.02011**	**1.1229**	**.04286**	**2.9981**	**.00837**	**.00548**	**.01071**	**.01752**	**.50212**
Stddev	.0179	.00182	.00031	.00007	.00011	.0029	.00009	.0105	.00039	.00359	.00037	.00393	.01242
%RSD	.60632	15.298	.14861	.73839	.54956	.26051	.21774	.34915	4.7115	65.626	3.4559	22.447	2.4741
#1	2.9400	.01319	.21013	.00996	.02004	1.1208	.04293	3.0055	.00865	.00293	.01045	.02030	.49333
#2	2.9653	.01062	.20969	.01007	.02019	1.1250	.04280	2.9907	.00809	.00802	.01098	.01474	.51090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0745**	**.10390**	**.00981**	**.01505**	**.00996**	**.01600**	F **.14180**	**.00920**	**.02331**	**.01397**
Stddev	.0266	.00144	.00007	.00096	.00027	.00035	.01667	.00066	.00032	.00053
%RSD	2.4741	1.3901	.73424	6.3988	2.7120	2.2112	11.758	7.1352	1.3857	3.8137
#1	1.0557	.10492	.00976	.01437	.00976	.01575	.13001	.00873	.02309	.01434
#2	1.0933	.10287	.00986	.01573	.01015	.01625	.15359	.00966	.02354	.01359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7303.8**	**83720.**	**6840.2**
Stddev	13.7	181.	7.1
%RSD	.18725	.21679	.10339
#1	7294.2	83592.	6845.2
#2	7313.5	83848.	6835.2

Sample Name: mb 280-199858/1-b Acquired: 11/14/2013 20:17:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00109**	**.00208**	**-.00127**	**-.00031**	**.00010**	**.00002**	**.00342**	**.00945**	**.00003**	**-.00032**
Stddev	.00059	.00010	.00172	.00072	.00004	.00002	.00037	.00078	.00001	.00018
%RSD	54.450	4.8860	135.61	232.24	39.847	118.09	10.940	8.2464	26.813	55.561
#1	-.00151	.00201	-.00248	.00020	.00007	.00004	.00369	.00890	.00002	-.00019
#2	-.00067	.00215	-.00005	-.00082	.00012	.00000	.00316	.01000	.00003	-.00044
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00042**	**.00469**	**.11967**	**.00375**	**.00822**	**.00017**	**.00002**	W **.14756**	**.00022**
Stddev	.00003	.00032	.00305	.05392	.00035	.00047	.00001	.00004	.00223	.00046
%RSD	78.342	76.508	64.906	45.057	9.4201	5.6929	3.1203	177.08	1.5106	209.55
#1	-.00002	-.00065	.00685	.15780	.00350	.00789	.00018	.00004	.14913	-.00010
#2	-.00006	-.00019	.00254	.08155	.00400	.00855	.00017	-.00001	.14598	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00013**	F **.01469**	**.00086**	**.00029**	F **.01376**	**.02945**	**-.00105**	**-.00012**	W **.00288**
Stddev	.00104	.00028	.00156	.00017	.00055	.00915	.01958	.00007	.00020	.00191
%RSD	306.81	210.78	10.609	19.316	192.73	66.481	66.481	6.6400	166.74	66.456
#1	.00040	.00007	.01359	.00074	.00068	.00729	.01561	-.00100	-.00026	.00423
#2	-.00108	-.00033	.01579	.00097	-.00010	.02023	.04330	-.00110	.00002	.00152
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00074**	**-.02984**	**.00004**	**.00302**	**.00023**
Stddev	.00019	.00031	.02341	.00007	.00034	.00014
%RSD	864.86	41.771	78.445	163.07	11.145	60.545
#1	.00016	.00052	-.04639	-.00001	.00325	.00033
#2	-.00011	.00096	-.01329	.00009	.00278	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7256.2**	**83441.**	**6877.1**
Stddev	3.8	143.	22.5
%RSD	.05170	.17157	.32675
#1	7253.5	83542.	6861.2
#2	7258.8	83340.	6893.0

Sample Name: lcs 280-199858/2-b Acquired: 11/14/2013 20:19:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05081**	**1.9582**	**1.0251**	**1.0445**	**1.9980**	**.04779**	**2.1259**	**46.253**	**.09845**	**.48585**
Stddev	.00008	.0011	.0014	.0016	.0008	.00000	.0015	.081	.00009	.00038
%RSD	.15958	.05593	.13615	.14932	.03803	.01001	.07029	.17593	.08913	.07765
#1	.05076	1.9590	1.0261	1.0434	1.9985	.04779	2.1248	46.311	.09852	.48612
#2	.05087	1.9574	1.0241	1.0456	1.9974	.04780	2.1270	46.196	.09839	.48559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20809**	**.25072**	**1.0081**	**48.665**	**.98747**	**49.741**	**.48293**	**1.0256**	**51.103**	**.50852**
Stddev	.00006	.00019	.0087	.087	.00233	.119	.00116	.0014	.285	.00140
%RSD	.02707	.07601	.86391	.17971	.23590	.23934	.23970	.13442	.55790	.27475
#1	.20813	.25059	1.0019	48.727	.98912	49.826	.48375	1.0246	50.901	.50753
#2	.20805	.25086	1.0142	48.604	.98583	49.657	.48211	1.0265	51.305	.50950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.449**	**.47017**	**.00604**	**.51180**	**2.1076**	**10.120**	**21.656**	**2.0221**	**.98155**	**.99130**
Stddev	.011	.00115	.00088	.00007	.0030	.015	.032	.0081	.00094	.00296
%RSD	.10983	.24535	14.552	.01454	.14320	.14851	.14851	.40004	.09607	.29889
#1	10.441	.47099	.00666	.51175	2.1055	10.130	21.679	2.0163	.98222	.99339
#2	10.457	.46936	.00542	.51185	2.1098	10.109	21.634	2.0278	.98089	.98920
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0035**	**1.9307**	F **3.2337**	**.48518**	**.48965**	**.48163**
Stddev	.0007	.0005	.0165	.00142	.00058	.00190
%RSD	.06762	.02604	.51014	.29169	.11785	.39349
#1	1.0030	1.9311	3.2221	.48417	.49006	.48297
#2	1.0039	1.9304	3.2454	.48618	.48924	.48029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7021.9**	**80533.**	**6861.4**
Stddev	14.7	227.	18.4
%RSD	.20905	.28201	.26763
#1	7032.3	80372.	6848.5
#2	7011.5	80693.	6874.4

Sample Name: 280-48924-c-1-b Acquired: 11/14/2013 20:21:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01033**	**-.00390**	**.03383**	**.00038**	**-.00001**	**.00425**	**.03257**	**-.00010**	**.00013**
Stddev	.00016	.00048	.00049	.00035	.00034	.00007	.00049	.00242	.00008	.00029
%RSD	20.473	4.6280	12.516	1.0450	89.357	573.85	11.538	7.4447	83.584	223.30
#1	-.00068	.00999	-.00356	.03358	.00014	-.00006	.00390	.03085	-.00016	.00033
#2	-.00090	.01066	-.00425	.03408	.00062	.00004	.00459	.03428	-.00004	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**-.00013**	**.00265**	**.14303**	**.00029**	**.00299**	**.00031**	**.00057**	**.13680**	**.00105**
Stddev	.00006	.00006	.00113	.01401	.00065	.00023	.00004	.00008	.01458	.00001
%RSD	1.6297	41.628	42.621	9.7923	220.96	7.8396	13.424	14.851	10.658	1.3169
#1	.00338	-.00017	.00345	.15293	-.00016	.00316	.00033	.00051	.12649	.00104
#2	.00346	-.00009	.00185	.13313	.00075	.00283	.00028	.00063	.14711	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**.00005**	**.00751**	**.00141**	**-.00082**	**.02525**	**.05404**	**-.00074**	**.00020**	**.00391**
Stddev	.00062	.00048	.00011	.00066	.00179	.00515	.01102	.00046	.00007	.00028
%RSD	34.641	963.25	1.4185	46.941	217.13	20.396	20.396	62.653	34.715	7.0740
#1	.00223	-.00029	.00744	.00188	-.00209	.02890	.06184	-.00107	.00024	.00411
#2	.00135	.00039	.00759	.00094	.00044	.02161	.04625	-.00041	.00015	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00092**	W **-.05533**	**-.00002**	**.00412**	**.00024**
Stddev	.00005	.00038	.02029	.00027	.00024	.00138
%RSD	6.5628	41.192	36.681	1325.1	5.8652	573.24
#1	.00080	.00119	-.06968	.00017	.00395	.00122
#2	.00073	.00065	-.04098	-.00021	.00429	-.00074
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7275.2**	**84636.**	**7024.2**
Stddev	16.0	349.	61.1
%RSD	.22041	.41206	.86969
#1	7263.8	84882.	7067.4
#2	7286.5	84389.	6981.0

Sample Name: 280-48924-c-2-b@5 Acquired: 11/14/2013 20:23:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00711**	**.00008**	**.00757**	**.02104**	**.00003**	**.00401**	**5.8730**	**-.00003**	**.00015**
Stddev	.00059	.00017	.00083	.00015	.00002	.00000	.00191	.0321	.00011	.00013
%RSD	110.37	2.3254	979.11	1.9334	.11246	1.4635	47.691	.54644	367.13	83.680
#1	-.00096	.00699	-.00050	.00747	.02102	.00003	.00266	5.8503	.00005	.00024
#2	-.00012	.00723	.00067	.00767	.02105	.00003	.00536	5.8957	-.00011	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00013**	**.02400**	**1.4353**	**.02373**	**3.2875**	**.01794**	**.00092**	**104.63**	**.00054**
Stddev	.00016	.00011	.00105	.0362	.00309	.0057	.00001	.00032	.25	.00041
%RSD	372.34	87.148	4.3706	2.5213	13.039	.17421	.03933	35.117	.23659	77.441
#1	-.00007	-.00020	.02326	1.4097	.02154	3.2835	.01794	.00069	104.46	.00083
#2	.00016	-.00005	.02475	1.4609	.02592	3.2916	.01793	.00115	104.81	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**-.00076**	**4.9563**	**.00007**	**.00003**	**.66050**	**1.4135**	**.00123**	**.59596**	**.00278**
Stddev	.00053	.00019	.0086	.00179	.00320	.01314	.0281	.00058	.00145	.00182
%RSD	25.204	25.050	.17333	2416.8	9706.2	1.9888	1.9888	46.897	.24367	65.382
#1	.00172	-.00089	4.9503	-.00119	-.00223	.65121	1.3936	.00164	.59493	.00150
#2	.00246	-.00062	4.9624	.00134	.00230	.66979	1.4334	.00082	.59699	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00122**	**-.04860**	**-.00014**	**.00576**	**.00044**
Stddev	.00004	.00097	.02258	.00016	.00010	.00003
%RSD	34.631	79.189	46.463	110.00	1.8073	6.5666
#1	-.00008	.00054	-.03263	-.00003	.00584	.00042
#2	-.00013	.00191	-.06457	-.00025	.00569	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7001.1**	**80194.**	**6783.8**
Stddev	8.0	10.	21.5
%RSD	.11408	.01189	.31703
#1	6995.5	80188.	6768.6
#2	7006.7	80201.	6799.0

Sample Name: 280-48924-c-3-b@5 Acquired: 11/14/2013 20:26:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00719**	**-.00050**	**.00646**	**.02053**	**.00002**	**.00418**	**5.7141**	**-.00007**	**.00005**
Stddev	.00060	.00008	.00102	.00080	.00003	.00001	.00155	.0063	.00006	.00003
%RSD	87.487	1.1695	204.52	12.327	.12652	35.525	37.158	.11024	77.415	56.458
#1	-.00026	.00725	-.00123	.00702	.02051	.00002	.00528	5.7186	-.00003	.00008
#2	-.00110	.00713	.00022	.00590	.02055	.00001	.00308	5.7097	-.00011	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00089**	**.01690**	**1.3902**	**.02485**	**3.1980**	**.01785**	**.00078**	**102.30**	**.00053**
Stddev	.00006	.00037	.00242	.0141	.00158	.0069	.00006	.00022	.58	.00006
%RSD	138.74	41.925	14.295	1.0103	6.3718	.21536	.36318	28.670	.56656	12.171
#1	.00000	-.00063	.01860	1.3802	.02373	3.1931	.01780	.00094	101.89	.00049
#2	-.00009	-.00115	.01519	1.4001	.02597	3.2029	.01789	.00062	102.71	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**-.00073**	**4.8920**	**-.00070**	**.00342**	**.63164**	**1.3517**	**.00116**	**.57973**	**.00243**
Stddev	.00080	.00067	.0005	.00075	.00238	.00468	.0100	.00053	.00098	.00024
%RSD	38.781	91.737	.01053	107.60	69.663	.74143	.74143	45.757	.16918	9.8674
#1	.00263	-.00026	4.8917	-.00017	.00173	.62833	1.3446	.00079	.57903	.00260
#2	.00150	-.00121	4.8924	-.00123	.00510	.63496	1.3588	.00154	.58042	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00067**	**-.02605**	**-.00023**	**.00555**	**-.00131**
Stddev	.00002	.00097	.02625	.00000	.00014	.00196
%RSD	17.667	144.58	100.76	.22660	2.5743	149.64
#1	.00007	.00135	-.04461	-.00023	.00545	-.00270
#2	.00010	-.00001	-.00749	-.00023	.00565	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7028.4**	**80290.**	**6762.3**
Stddev	15.8	105.	25.6
%RSD	.22509	.13114	.37833
#1	7017.2	80364.	6744.2
#2	7039.6	80215.	6780.4

Sample Name: 280-48924-a-4-b@5 Acquired: 11/14/2013 20:28:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.01853**	**-.00009**	**.00890**	**.00453**	**.00003**	**.00423**	**90.249**	**-.00001**	**-.00015**
Stddev	.00002	.00028	.00026	.00035	.00034	.00000	.00034	.009	.00001	.00004
%RSD	1.6891	1.5281	308.00	3.9184	7.4855	17.022	8.1193	.00948	197.96	26.957
#1	-.00111	.01873	.00010	.00865	.00477	.00002	.00448	90.243	.00000	-.00018
#2	-.00109	.01833	-.00027	.00914	.00429	.00003	.00399	90.255	-.00001	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00064**	**.14294**	**1.5816**	**.00430**	**13.500**	**.02973**	**.00017**	**83.915**	**.00025**
Stddev	.00006	.00016	.00459	.0433	.00077	.009	.00017	.00022	.249	.00018
%RSD	42.758	24.733	3.2126	2.7360	17.788	.06637	.58250	132.27	.29663	72.160
#1	.00019	-.00053	.14619	1.6122	.00376	13.506	.02961	.00032	84.091	.00038
#2	.00010	-.00075	.13970	1.5510	.00485	13.494	.02986	.00001	83.739	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**-.00111**	**145.47**	**-.00262**	**-.00014**	**.17535**	**.37526**	**.00112**	**1.5289**	**.00393**
Stddev	.00047	.00008	.21	.00080	.00015	.01440	.03081	.00012	.0009	.00092
%RSD	19.752	7.0371	.14533	30.725	106.54	8.2102	8.2102	10.840	.06168	23.447
#1	.00207	-.00106	145.32	-.00205	-.00025	.18553	.39704	.00104	1.5295	.00328
#2	.00274	-.00117	145.62	-.00319	-.00004	.16517	.35347	.00121	1.5282	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00178**	W **-.08226**	**.00000**	**.00656**	**-.00120**
Stddev	.00009	.00051	.00975	.0006	.00036	.00003
%RSD	29.724	28.431	11.857	60605.	5.5448	2.3228
#1	-.00023	.00214	-.08916	.00045	.00631	-.00121
#2	-.00035	.00142	-.07537	-.00046	.00682	-.00118
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6976.6**	**79564.**	**6787.1**
Stddev	20.6	50.	6.1
%RSD	.29496	.06314	.09032
#1	6962.0	79529.	6791.4
#2	6991.1	79600.	6782.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:30:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00574**	**48.580**	**-.00125**	**.00012**	**.00068**	**-.00004**	W **1.0507**	**.04482**	**.00070**	**-.00083**	**.00024**	**-.00561**
Stddev	.00015	.005	.00014	.00013	.00018	.00003	.0010	.00468	.00035	.00025	.00011	.00026
%RSD	2.6326	.01052	11.083	106.39	26.432	77.916	.09051	10.449	50.106	30.050	44.700	4.7090
#1	-.00563	48.583	-.00115	.00021	.00055	-.00002	1.0501	.04813	.00095	-.00065	.00017	-.00542
#2	-.00585	48.576	-.00135	.00003	.00080	-.00006	1.0514	.04151	.00045	-.00100	.00032	-.00580
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.132**	**.18670**	**.00320**	**.06376**	**-.00023**	**.00022**	**247.29**	**-.00095**	**.00143**	**-.00163**	**5.0847**	**.00156**
Stddev	.491	.04527	.00050	.00327	.00005	.00003	.13	.00022	.00125	.00029	.0236	.00093
%RSD	.98017	24.249	15.499	5.1336	22.373	15.341	.05212	23.600	87.276	18.048	.46398	59.574
#1	50.479	.21872	.00285	.06607	-.00019	.00024	247.38	-.00111	.00055	-.00184	5.0680	.00222
#2	49.784	.15469	.00355	.06144	-.00027	.00019	247.20	-.00079	.00231	-.00143	5.1014	.00090
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00582**	**.00519**	**.01110**	**-.00025**	**.00067**	**4.9618**	**.01137**	**.00295**	F **8.0457**	**.00037**	**.00165**	**-.06589**
Stddev	.00038	.00797	.01705	.00023	.00010	.0158	.00017	.00027	.0566	.00020	.00027	.00186
%RSD	6.5623	153.54	153.54	93.386	15.164	.31870	1.4662	9.1395	.70356	53.124	16.492	2.8185
#1	-.00555	-.00044	-.00095	-.00041	.00074	4.9506	.01149	.00276	8.0857	.00051	.00184	-.06721
#2	-.00609	.01082	.02316	-.00008	.00060	4.9730	.01126	.00315	8.0057	.00023	.00146	-.06458
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7097.1**	**80622.**	**6892.4**
Stddev	5.0	232.	6.2
%RSD	.07059	.28783	.09041
#1	7100.7	80786.	6896.8
#2	7093.6	80458.	6888.0

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:33:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52364**	**.51928**	**1.0146**	**.51427**	**.49794**	**.47518**	**-.00875**	**4.7174**	**.48466**	**.49610**	**.51923**	**.49736**	**2.5643**
Stddev	.00004	.00286	.0060	.00211	.00055	.00266	.00127	.0396	.00000	.00007	.00118	.00042	.0132
%RSD	.00721	.55046	.58667	.41123	.11060	.55978	14.540	.83998	.00073	.01460	.22635	.08431	.51599
#1	.52366	.52130	1.0188	.51278	.49833	.47706	-.00785	4.6894	.48465	.49615	.52006	.49707	2.5550
#2	.52361	.51726	1.0104	.51577	.49756	.47330	-.00965	4.7454	.48466	.49605	.51840	.49766	2.5737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.784**	**.97545**	**19.882**	**.48626**	**.51602**	**5.1196**	**.52372**	**1.0201**	**.96855**	**.00073**	**1.0102**	**1.0402**	**5.0784**
Stddev	.119	.00016	.025	.00052	.00173	.0292	.00148	.0050	.00466	.00081	.0070	.0036	.0171
%RSD	.24927	.01590	.12701	.10682	.33578	.56951	.28207	.49485	.48112	109.87	.69301	.34568	.33717
#1	47.868	.97556	19.864	.48662	.51479	5.1403	.52477	1.0165	.96526	.00016	1.0053	1.0377	5.0663
#2	47.699	.97534	19.900	.48589	.51724	5.0990	.52268	1.0236	.97185	.00130	1.0152	1.0428	5.0905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.868**	**1.0183**	**.48929**	**.00527**	**.49677**	**.99572**	**-.02496**	**.47822**	**.49855**	**.48897**
Stddev	.037	.0014	.00098	.00070	.00014	.00080	.01052	.00011	.00343	.00136
%RSD	.33717	.14209	.20057	13.259	.02905	.08044	42.140	.02344	.68894	.27771
#1	10.842	1.0173	.48998	.00576	.49667	.99629	-.01753	.47830	.50098	.48801
#2	10.894	1.0193	.48859	.00477	.49687	.99515	-.03240	.47814	.49612	.48993
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7169.1**	**81555.**	**6802.0**
Stddev	4.0	59.	39.9
%RSD	.05590	.07185	.58682
#1	7166.3	81597.	6773.8
#2	7172.0	81514.	6830.2

Sample Name: CCB Acquired: 11/14/2013 20:35:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00108**	**-.00008**	**-.00073**	**.00052**	**.00025**	**.00003**	**.00209**	**-.00058**	**-.00007**	**-.00006**	**-.00003**
Stddev	.00054	.00036	.00067	.00027	.00001	.00000	.00250	.00165	.00017	.00004	.00012
%RSD	50.028	438.97	91.842	52.823	4.4144	18.002	119.75	283.74	250.84	66.856	443.37
#1	-.00070	-.00034	-.00120	.00032	.00024	.00002	.00032	-.00174	.00005	-.00003	-.00011
#2	-.00146	.00017	-.00026	.00071	.00026	.00003	.00385	.00058	-.00019	-.00009	.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**-.00117**	**.11873**	**.00186**	**.00236**	**.00007**	**.00016**	W **.14202**	**.00039**	**-.00003**	**.00026**
Stddev	.00052	.00156	.02647	.00057	.00397	.00002	.00012	.00435	.00000	.00044	.00117
%RSD	55.599	133.20	22.297	30.929	168.20	30.823	78.289	3.0606	1.0657	1396.9	444.39
#1	-.00129	-.00228	.13745	.00226	-.00045	.00005	.00007	.14509	.00040	-.00034	.00109
#2	-.00056	-.00007	.10001	.00145	.00517	.00008	.00024	.13895	.00039	.00028	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	F **.00644**	**-.00153**	**.00546**	**.01168**	**-.00021**	**-.00016**	**.00342**	**-.00002**	**.00000**	**-.04936**
Stddev	.00102	.00014	.00261	.00743	.01589	.00002	.00002	.00231	.00000	.0008	.06068
%RSD	32.215	2.2177	170.08	136.02	136.02	7.5327	10.614	67.526	19.649	34933.	122.93
#1	.00389	.00654	-.00338	.01071	.02292	-.00022	-.00015	.00505	-.00003	-.00054	-.09227
#2	.00245	.00633	.00031	.00021	.00045	-.00020	-.00018	.00179	-.00002	.00054	-.00645
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00013**	**.00272**	**-.00103**
Stddev	.00019	.00047	.00068
%RSD	148.34	17.451	66.080
#1	.00001	.00238	-.00055
#2	-.00026	.00305	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7144.4**	**82429.**	**6776.5**
Stddev	9.0	278.	31.8
%RSD	.12611	.33686	.46955
#1	7138.1	82625.	6754.0
#2	7150.8	82233.	6799.0

Sample Name: CCVL2379751 Acquired: 11/14/2013 20:37:43 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00955**	**.10916**	**.01376**	**.10192**	**.01007**	**.00096**	**.11506**	**.20247**	**.00486**	**.01016**	**.01056**	**.01437**	**.10757**	**2.9610**
Stddev	.00069	.00321	.00082	.00094	.00012	.00001	.00043	.00442	.00009	.00007	.00004	.00014	.00235	.0164
%RSD	7.1820	2.9365	5.9360	.91850	1.1734	.78168	.37720	2.1821	1.8692	.72734	.40753	1.0012	2.1831	.55552
#1	.01003	.11143	.01319	.10126	.01015	.00095	.11475	.19935	.00480	.01022	.01059	.01427	.10591	2.9494
#2	.00906	.10690	.01434	.10258	.00998	.00096	.11537	.20560	.00492	.01011	.01053	.01448	.10923	2.9726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01079**	**.20692**	**.00995**	**.02013**	**1.1160**	**.04301**	**3.0015**	**.00820**	**.00626**	**.00958**	**.01574**	**.48834**	**1.0450**	**.10472**
Stddev	.00005	.00317	.00002	.00008	.0169	.00004	.0072	.00087	.00516	.00047	.00088	.01684	.0360	.00111
%RSD	.47100	1.5320	.18629	.40620	1.5142	.10318	.24094	10.592	82.364	4.8914	5.5602	3.4481	3.4481	1.0579
#1	.01083	.20468	.00996	.02007	1.1041	.04304	2.9964	.00759	.00991	.00925	.01636	.47643	1.0196	.10394
#2	.01076	.20916	.00993	.02019	1.1280	.04298	3.0066	.00882	.00261	.00991	.01512	.50025	1.0705	.10551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.01705**	**.00999**	**.01662**	**.04348**	**.00952**	**.02403**	**.01494**
Stddev	.00004	.00197	.00016	.00079	.03055	.00017	.00019	.00190
%RSD	.43733	11.582	1.5974	4.7792	70.269	1.7490	.79295	12.734
#1	.00969	.01565	.00988	.01606	.02188	.00963	.02416	.01629
#2	.00975	.01844	.01011	.01718	.06509	.00940	.02390	.01360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7335.0**	**83972.**	**6837.5**
Stddev	13.0	68.	80.5
%RSD	.17657	.08076	1.1767
#1	7325.9	84020.	6894.4
#2	7344.2	83924.	6780.6

Sample Name: 280-48922-d-1-b Acquired: 11/14/2013 20:40:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01113**	**-.00141**	**.01200**	**.06437**	**.00001**	**.00430**	**35.295**	**.00012**	**-.00023**
Stddev	.00030	.00391	.00272	.00014	.00028	.00001	.00016	.047	.00004	.00030
%RSD	22.532	35.175	193.19	1.1916	.42977	49.151	3.7874	.13217	34.295	129.22
#1	-.00156	.01390	-.00334	.01210	.06456	.00001	.00418	35.328	.00009	-.00002
#2	-.00113	.00836	.00052	.01190	.06417	.00002	.00441	35.262	.00015	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00012**	**.02248**	**1.4097**	**.00698**	**8.5994**	**.01262**	**.00071**	**17.145**	**.00029**
Stddev	.00007	.00009	.00270	.0159	.00005	.0237	.00005	.00008	.086	.00014
%RSD	124.08	75.384	12.017	1.1284	.73764	.27506	.41258	11.918	.50229	46.768
#1	.00010	.00006	.02439	1.4209	.00695	8.5826	.01265	.00065	17.084	.00039
#2	.00001	.00019	.02057	1.3984	.00702	8.6161	.01258	.00077	17.205	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**-.00071**	**17.101**	**.00094**	**-.00002**	**5.3393**	**11.426**	**-.00075**	**.34176**	**.00167**
Stddev	.00131	.00087	.008	.00202	.00015	.0088	.019	.00021	.00036	.00185
%RSD	53.071	121.84	.04772	214.02	888.91	.16417	.16417	28.409	.10671	110.68
#1	.00339	-.00133	17.106	.00237	-.00012	5.3455	11.439	-.00090	.34202	.00298
#2	.00154	-.00010	17.095	-.00048	.00009	5.3331	11.413	-.00060	.34151	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00137**	**-.02267**	**.00014**	**.00346**	**-.00148**
Stddev	.00010	.00041	.03977	.00005	.00013	.00125
%RSD	70.515	30.137	175.47	38.020	3.7591	84.144
#1	.00007	.00166	-.05079	.00010	.00337	-.00236
#2	.00022	.00107	.00546	.00017	.00355	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7079.0**	**81481.**	**6900.0**
Stddev	18.0	437.	41.3
%RSD	.25395	.53686	.59871
#1	7066.3	81790.	6929.2
#2	7091.7	81171.	6870.8

Sample Name: 280-48922-d-2-b@5 Acquired: 11/14/2013 20:42:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00772**	**-.00231**	**.00484**	**.01018**	**.00001**	**.00317**	**17.398**	**.00024**	**-.00027**
Stddev	.00014	.00038	.00039	.00094	.00039	.00003	.00069	.099	.00004	.00008
%RSD	15.389	4.9320	16.654	19.432	3.8535	292.98	21.802	.56919	17.772	29.580
#1	-.00100	.00799	-.00258	.00550	.00991	-.00001	.00268	17.328	.00027	-.00033
#2	-.00080	.00745	-.00204	.00417	.01046	.00003	.00365	17.468	.00021	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00079**	**.01316**	**1.1234**	**.01541**	**14.649**	**.00529**	**.00030**	**72.115**	**.00037**
Stddev	.00006	.00007	.00101	.0127	.00025	.040	.00003	.00015	.453	.00025
%RSD	100.44	8.5376	7.6916	1.1322	1.6539	.27425	.60167	50.882	.62790	67.224
#1	.00002	-.00074	.01244	1.1324	.01523	14.678	.00527	.00019	71.794	.00055
#2	.00011	-.00083	.01387	1.1144	.01559	14.621	.00531	.00040	72.435	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00022**	**40.802**	**.00044**	**.00057**	**.92786**	**1.9856**	**.00107**	**.60019**	**.00305**
Stddev	.00122	.00125	.007	.00051	.00111	.00166	.0036	.00108	.00289	.00037
%RSD	1173.1	577.95	.01642	115.55	194.38	.17887	.17887	100.14	.48159	12.160
#1	.00076	-.00110	40.807	.00080	.00135	.92669	1.9831	.00183	.59814	.00279
#2	-.00096	.00067	40.797	.00008	-.00021	.92903	1.9881	.00031	.60223	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00120**	**-.03653**	**-.00027**	**.00511**	**-.00122**
Stddev	.00023	.00030	.01979	.00034	.00002	.00003
%RSD	2841.2	25.000	54.159	126.29	.33407	2.7935
#1	.00017	.00099	-.02254	-.00050	.00512	-.00124
#2	-.00015	.00141	-.05052	-.00003	.00510	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7060.0**	**80074.**	**6742.7**
Stddev	8.4	72.	22.0
%RSD	.11914	.08984	.32576
#1	7054.0	80023.	6758.2
#2	7065.9	80125.	6727.1

Sample Name: 280-48963-a-3-b Acquired: 11/14/2013 20:44:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01987**	**-.00184**	**.01174**	**.03248**	**-.00002**	**.00180**	**26.134**	**.00010**	**-.00023**
Stddev	.00010	.00029	.00231	.00030	.00003	.00004	.00146	.115	.00002	.00001
%RSD	13.076	1.4365	125.33	2.5734	.08408	241.87	80.979	.43837	18.815	4.3005
#1	-.00071	.01967	-.00347	.01196	.03246	-.00004	.00077	26.053	.00009	-.00024
#2	-.00086	.02008	-.00021	.01153	.03250	.00001	.00283	26.215	.00012	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00439**	**.01629**	**1.8993**	**.00840**	**5.8424**	**.00031**	**.00834**	**18.336**	**.00031**
Stddev	.00005	.00019	.00088	.0152	.00257	.0171	.00002	.00015	.254	.00012
%RSD	35.328	4.2614	5.3780	.80031	30.644	.29320	7.0454	1.8312	1.3872	37.599
#1	.00017	.00452	.01567	1.8886	.01022	5.8545	.00029	.00823	18.516	.00023
#2	.00010	.00426	.01690	1.9101	.00658	5.8302	.00032	.00844	18.157	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00033**	**15.472**	**.00186**	**.00078**	**2.7762**	**5.9410**	**-.00052**	**.19613**	**.00190**
Stddev	.00036	.00092	.057	.00056	.00103	.0144	.0308	.00033	.00030	.00045
%RSD	290.44	279.22	.36680	30.189	132.81	.51890	.51890	64.415	.15535	23.881
#1	-.00038	-.00098	15.432	.00226	.00151	2.7660	5.9192	-.00075	.19635	.00158
#2	.00013	.00032	15.512	.00146	.00005	2.7864	5.9628	-.00028	.19592	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00081**	**-.04583**	**.00026**	**.00823**	**.00009**
Stddev	.00026	.00068	.00018	.00018	.00008	.00260
%RSD	448.16	83.638	.40048	69.849	.97925	3007.0
#1	.00024	.00129	-.04596	.00039	.00817	.00192
#2	-.00013	.00033	-.04570	.00013	.00829	-.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7135.5**	**81722.**	**6571.4**
Stddev	14.6	479.	471.7
%RSD	.20527	.58627	7.1773
#1	7145.9	81383.	6904.9
#2	7125.2	82060.	6237.9

Sample Name: 280-48963-a-3-bSD@5 Acquired: 11/14/2013 20:47:07 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.02538**	**.00050**	**.00216**	**.00682**	**.00007**	**.00295**	**5.2297**	**-.00021**	**-.00025**
Stddev	.00019	.00051	.00140	.00022	.00007	.00000	.00209	.0140	.00008	.00003
%RSD	23.952	1.9905	278.52	10.355	.99220	.46309	70.688	.26722	36.320	10.699
#1	-.00067	.02574	.00149	.00232	.00686	.00007	.00148	5.2396	-.00027	-.00023
#2	-.00094	.02502	-.00049	.00200	.00677	.00007	.00443	5.2198	-.00016	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00012**	**.01321**	**.41393**	**.00169**	**1.1871**	**.00021**	**.00139**	**3.6055**	**.00023**
Stddev	.00009	.00035	.00189	.04011	.00013	.0022	.00000	.00004	.0027	.00015
%RSD	197.03	291.49	14.343	9.6897	7.4551	.18519	.57455	2.8873	.07447	67.731
#1	.00011	.00037	.01455	.44230	.00160	1.1886	.00021	.00136	3.6036	.00012
#2	-.00002	-.00013	.01187	.38557	.00178	1.1855	.00021	.00142	3.6074	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00041**	**3.0659**	**.00018**	**.00007**	**.54689**	**1.1703**	**.00161**	**.03951**	**.00374**
Stddev	.0013	.00083	.0043	.00367	.00136	.01259	.0270	.00022	.00030	.00233
%RSD	42033.	201.46	.14151	2019.3	1933.8	2.3024	2.3024	13.630	.76906	62.387
#1	.00090	.00018	3.0628	-.00241	-.00089	.53798	1.1513	.00145	.03930	.00539
#2	-.00091	-.00100	3.0690	.00278	.00103	.55579	1.1894	.00176	.03973	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00021**	W **-.06571**	**.00053**	**.00601**	**.00077**
Stddev	.00004	.00061	.00866	.00032	.00052	.00141
%RSD	11.575	287.78	13.176	61.217	8.6764	184.13
#1	-.00037	.00065	-.07183	.00076	.00564	.00177
#2	-.00031	-.00022	-.05959	.00030	.00638	-.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7207.8**	**82905.**	**6776.0**
Stddev	55.3	190.	115.3
%RSD	.76716	.22860	1.7013
#1	7246.9	82771.	6857.6
#2	7168.7	83039.	6694.5

Sample Name: 280-48963-a-3-c ms Acquired: 11/14/2013 20:49:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05134**	**1.9526**	**1.0269**	**1.0498**	**2.0079**	**.04738**	F **2.1023**	**70.413**	**.09679**	**.47935**
Stddev	.00015	.0043	.0032	.0038	.0041	.00032	.0053	.175	.00052	.00075
%RSD	.28254	.22225	.31320	.35783	.20200	.67364	.24962	.24889	.53309	.15607
#1	.05144	1.9556	1.0246	1.0524	2.0051	.04761	2.1060	70.537	.09715	.47988
#2	.05124	1.9495	1.0291	1.0471	2.0108	.04716	2.0986	70.289	.09642	.47882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20690**	**.25121**	**1.0212**	**50.007**	**.98895**	**55.154**	**.47877**	**1.0309**	**67.577**	**.50380**
Stddev	.00021	.00047	.0073	.034	.00021	.119	.00073	.0012	.569	.00113
%RSD	.10326	.18557	.71104	.06713	.02169	.21638	.15214	.11380	.84163	.22458
#1	.20705	.25154	1.0263	49.983	.98879	55.239	.47928	1.0317	67.979	.50300
#2	.20675	.25088	1.0160	50.030	.98910	55.070	.47825	1.0300	67.175	.50460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.482**	**.45982**	**15.501**	**.50417**	**2.0710**	**12.852**	**27.503**	W **2.0021**	**1.1589**	**.98666**
Stddev	.030	.00192	.026	.00223	.0008	.027	.058	.0001	.0010	.00203
%RSD	.28402	.41694	.16763	.44163	.04047	.21155	.21155	.00689	.08828	.20558
#1	10.503	.46118	15.519	.50574	2.0704	12.833	27.462	2.0022	1.1596	.98810
#2	10.461	.45847	15.483	.50260	2.0716	12.871	27.545	2.0020	1.1582	.98523
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0000**	**1.8734**	**3.1627**	**.47933**	**.49050**	**.47569**
Stddev	.0007	.0067	.0147	.00165	.00055	.00136
%RSD	.06722	.35598	.46631	.34343	.11290	.28567
#1	.99954	1.8781	3.1523	.48049	.49011	.47473
#2	1.0005	1.8687	3.1732	.47817	.49090	.47665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.0**	**78990.**	**6830.8**
Stddev	9.4	66.	9.3
%RSD	.13499	.08332	.13610
#1	6943.3	78943.	6824.3
#2	6956.6	79036.	6837.4

Sample Name: 280-48963-a-3-d msd Acquired: 11/14/2013 20:51:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**1.9323**	**1.0252**	**1.0476**	**1.9898**	**.04655**	F **2.0931**	**70.129**	**.09597**	**.47307**
Stddev	.00070	.0022	.0033	.0001	.0008	.00001	.0006	.095	.00007	.00042
%RSD	1.3916	.11588	.31898	.01341	.03833	.01892	.02838	.13493	.07094	.08818
#1	.05013	1.9339	1.0229	1.0477	1.9892	.04655	2.0935	70.196	.09602	.47278
#2	.05112	1.9307	1.0275	1.0475	1.9903	.04656	2.0927	70.062	.09593	.47337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20552**	**.24844**	**1.0082**	**49.642**	**.97876**	**54.502**	**.47265**	**1.0215**	**67.528**	**.50080**
Stddev	.00027	.00151	.0003	.052	.00062	.012	.00067	.0023	.433	.00216
%RSD	.13377	.60622	.02726	.10501	.06349	.02257	.14083	.22630	.64064	.43138
#1	.20572	.24951	1.0081	49.679	.97919	54.511	.47312	1.0231	67.834	.49928
#2	.20533	.24738	1.0084	49.605	.97832	54.493	.47218	1.0199	67.222	.50233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.379**	**.45825**	**15.683**	**.50105**	**2.0590**	**12.824**	**27.443**	**1.9855**	**1.1509**	**.97110**
Stddev	.011	.00048	.011	.00320	.0093	.015	.033	.0012	.0006	.00030
%RSD	.10999	.10371	.07074	.63778	.45336	.12037	.12037	.06270	.05034	.03066
#1	10.387	.45792	15.675	.49879	2.0524	12.813	27.420	1.9846	1.1513	.97089
#2	10.371	.45859	15.691	.50331	2.0656	12.835	27.467	1.9864	1.1504	.97131
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98746**	**1.8628**	**3.1674**	**.47447**	**.48404**	**.47126**
Stddev	.00127	.0058	.0536	.00379	.00127	.00041
%RSD	.12892	.31245	1.6910	.79954	.26185	.08758
#1	.98836	1.8669	3.2053	.47716	.48315	.47156
#2	.98656	1.8587	3.1295	.47179	.48494	.47097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6944.9**	**79152.**	**6792.5**
Stddev	10.3	146.	21.3
%RSD	.14819	.18445	.31321
#1	6937.7	79049.	6777.5
#2	6952.2	79255.	6807.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:53:42 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00584**	**48.703**	**-.00270**	**.00391**	**.00145**	**-.00006**	W **1.0510**	**.04123**	**.00073**	**-.00098**	**.00019**	**-.00662**
Stddev	.00072	.206	.00053	.00044	.00074	.00001	.0013	.02848	.00000	.00017	.00015	.00033
%RSD	12.297	.42275	19.523	11.347	50.623	23.210	.11929	69.087	.62235	17.631	76.662	5.0567
#1	-.00533	48.557	-.00233	.00422	.00093	-.00005	1.0519	.02109	.00072	-.00086	.00030	-.00686
#2	-.00635	48.848	-.00308	.00359	.00198	-.00007	1.0502	.06137	.00073	-.00110	.00009	-.00638
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.158**	**.23149**	**.00118**	**.05938**	**-.00011**	**.00085**	**247.51**	**-.00067**	**.00446**	**-.00271**	**5.0411**	**.00116**
Stddev	.499	.00976	.00174	.00654	.00008	.00011	.83	.00001	.00028	.00043	.0037	.00087
%RSD	.99496	4.2179	148.28	11.016	71.416	12.557	.33362	2.0562	6.3464	15.803	.07406	74.715
#1	49.805	.22459	-.00006	.06401	-.00005	.00093	246.93	-.00066	.00426	-.00241	5.0438	.00055
#2	50.511	.23840	.00241	.05476	-.00017	.00078	248.10	-.00068	.00466	-.00302	5.0385	.00178
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00797**	**.01024**	**.02192**	**.00011**	**.00041**	**4.9946**	**.01214**	**.00354**	F **8.0161**	**.00048**	**.00213**	**-.06948**
Stddev	.00049	.00771	.01650	.00024	.00050	.0003	.00007	.00027	.0423	.00006	.00007	.00168
%RSD	6.1159	75.288	75.288	224.45	120.45	.00546	.59077	7.6998	.52800	12.725	3.4604	2.4190
#1	-.00832	.01569	.03358	-.00006	.00006	4.9944	.01219	.00335	8.0460	.00052	.00208	-.07066
#2	-.00763	.00479	.01025	.00028	.00077	4.9948	.01209	.00373	7.9861	.00043	.00218	-.06829
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7028.8**	**79236.**	**6762.3**
Stddev	5.4	88.	27.2
%RSD	.07738	.11088	.40160
#1	7024.9	79298.	6781.5
#2	7032.6	79174.	6743.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:56:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53037**	**.52469**	**1.0233**	**.51772**	**.49901**	**.47337**	**-.00944**	**4.6844**	**.48774**	**.50039**	**.52409**	**.49957**	**2.5905**
Stddev	.00030	.00315	.0050	.00004	.00113	.00135	.00133	.0050	.00030	.00037	.00009	.00120	.0103
%RSD	.05690	.60044	.48545	.00801	.22694	.28419	14.098	.10628	.06153	.07458	.01778	.23980	.39820
#1	.53016	.52692	1.0268	.51775	.49820	.47242	-.01038	4.6809	.48795	.50066	.52415	.49872	2.5832
#2	.53058	.52246	1.0198	.51769	.49981	.47432	-.00850	4.6879	.48753	.50013	.52402	.50042	2.5978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.763**	**.97825**	**20.164**	**.49054**	**.51962**	**5.0795**	**.52742**	**1.0321**	**.97176**	**-.00362**	**1.0187**	**1.0499**	**5.0822**
Stddev	.132	.00399	.006	.00036	.00092	.0043	.00181	.0071	.00117	.00360	.0076	.0043	.0114
%RSD	.27655	.40737	.02943	.07378	.17769	.08467	.34255	.68862	.11990	99.498	.74484	.40523	.22487
#1	47.670	.97543	20.168	.49080	.52027	5.0765	.52870	1.0371	.97258	-.00107	1.0240	1.0529	5.0741
#2	47.857	.98107	20.159	.49029	.51896	5.0825	.52615	1.0271	.97094	-.00616	1.0133	1.0469	5.0903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.876**	**1.0333**	**.48942**	**.00754**	**.49976**	**1.0069**	**-.05905**	**.48055**	**.50276**	**.49152**
Stddev	.024	.0061	.00045	.00209	.00039	.0077	.04085	.00106	.00291	.00145
%RSD	.22487	.59218	.09186	27.695	.07724	.76353	69.168	.22068	.57944	.29572
#1	10.859	1.0377	.48910	.00902	.49949	1.0123	-.08794	.47980	.50070	.49255
#2	10.893	1.0290	.48974	.00606	.50003	1.0014	-.03017	.48130	.50482	.49049
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.9**	**80559.**	**6726.7**
Stddev	6.8	266.	32.1
%RSD	.09642	.33059	.47787
#1	7094.0	80370.	6704.0
#2	7103.7	80747.	6749.4

Sample Name: CCB Acquired: 11/14/2013 20:58:14 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01163**	**-.00287**	**.00246**	**.00015**	**.00015**	**.00360**	**-.00133**	**.00026**	**.00016**	**.00006**	**-.00105**
Stddev	.00032	.01654	.00030	.00047	.00019	.00003	.00456	.00401	.00024	.00021	.00026	.00008
%RSD	40.473	142.24	10.527	18.923	122.52	16.911	126.76	302.11	91.710	128.10	417.88	7.2774
#1	-.00057	.02332	-.00266	.00279	.00029	.00013	.00683	.00151	.00043	.00031	.00025	-.00100
#2	-.00102	-.00007	-.00309	.00213	.00002	.00017	.00037	-.00416	.00009	.00002	-.00012	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.14318**	**.00156**	**.00223**	**.00002**	**.00081**	W **.14074**	**.00041**	**.00399**	**.00010**	**.01156**	F **.00889**
Stddev	.00215	.02167	.00036	.00093	.00002	.00040	.00024	.00037	.00533	.00067	.00819	.00147
%RSD	968.97	15.134	23.114	41.882	85.600	48.537	.16862	90.153	133.59	697.51	70.830	16.568
#1	.00130	.12786	.00181	.00157	.00001	.00109	.14057	.00068	.00776	-.00038	.01735	.00993
#2	-.00174	.15850	.00130	.00288	.00003	.00054	.14091	.00015	.00022	.00057	.00577	.00785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.01374**	**.02940**	**.00073**	**.00004**	**.00261**	**-.00017**	**.00137**	**-.01704**	**-.00002**	**.00272**	**-.00086**
Stddev	.00578	.00948	.02028	.00063	.00003	.00412	.00021	.00091	.07203	.00034	.00003	.00000
%RSD	5686.9	68.983	68.983	86.229	76.466	158.28	126.78	66.489	422.58	2180.6	1.0369	.49147
#1	.00419	.00704	.01506	.00118	.00006	-.00031	-.00002	.00201	.03389	.00022	.00270	-.00087
#2	-.00399	.02044	.04374	.00029	.00002	.00552	-.00032	.00072	-.06798	-.00025	.00274	-.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.5**	**81732.**	**6716.0**
Stddev	17.3	27.	40.7
%RSD	.24255	.03321	.60627
#1	7125.7	81713.	6744.8
#2	7101.3	81752.	6687.2

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:00:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.10927**	**.01477**	**.10381**	**.01039**	**.00098**	**.11920**	**.20918**	**.00488**	**.01010**	**.01078**	**.01400**	**.10703**	**2.9954**
Stddev	.00015	.00010	.00003	.00019	.00018	.00000	.00102	.00269	.00004	.00001	.00032	.00055	.00542	.0195
%RSD	1.4364	.09515	.23667	.18226	1.7023	.18188	.85250	1.2847	.73335	.12176	3.0007	3.9060	5.0638	.64984
#1	.01025	.10919	.01475	.10368	.01051	.00098	.11848	.20728	.00485	.01010	.01101	.01362	.10319	2.9816
#2	.01004	.10934	.01480	.10394	.01026	.00098	.11992	.21108	.00491	.01011	.01055	.01439	.11086	3.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**.21369**	**.01016**	**.02045**	**1.1166**	**.04364**	**3.0532**	**.00825**	**.00213**	**.01182**	**.01473**	**.49543**	**1.0602**	**.10585**
Stddev	.00131	.00029	.00007	.00003	.0088	.00019	.0086	.00042	.00197	.00012	.00291	.00320	.0069	.00039
%RSD	10.981	.13744	.64844	.14793	.79007	.43758	.28230	5.0500	92.722	1.0497	19.757	.64688	.64688	.36915
#1	.01281	.21390	.01012	.02047	1.1103	.04350	3.0471	.00854	.00073	.01191	.01268	.49316	1.0554	.10557
#2	.01097	.21348	.01021	.02043	1.1228	.04377	3.0593	.00795	.00352	.01173	.01679	.49769	1.0651	.10613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00977**	**.01663**	**.00972**	**.01742**	**.06417**	**.00943**	**.02493**	**.01564**
Stddev	.00021	.00034	.00008	.00005	.02417	.00021	.00005	.00106
%RSD	2.1062	2.0533	.86812	.29677	37.666	2.2449	.21644	6.7667
#1	.00963	.01687	.00978	.01738	.08125	.00928	.02489	.01489
#2	.00992	.01639	.00966	.01745	.04708	.00958	.02497	.01639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7253.5**	**82786.**	**6729.0**
Stddev	8.8	98.	9.8
%RSD	.12182	.11839	.14613
#1	7259.7	82855.	6736.0
#2	7247.2	82717.	6722.1

Sample Name: mb 280-199865/1-a Acquired: 11/14/2013 21:02:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00076**	**.00392**	**-.00079**	**.00082**	**.00002**	**.00002**	**.00359**	**.00874**	**.00002**	**-.00011**
Stddev	.00038	.00012	.00165	.00011	.00012	.00001	.00009	.00262	.00004	.00023
%RSD	49.505	3.0425	208.53	13.661	754.51	53.188	2.5273	30.017	217.57	211.73
#1	-.00102	.00401	-.00196	.00089	-.00007	.00003	.00366	.00688	.00005	-.00028
#2	-.00049	.00384	.00038	.00074	.00010	.00001	.00353	.01059	-.00001	.00005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00033**	**.00352**	**.10148**	**.00224**	**.00405**	**.00022**	**-.00011**	W **.10276**	**.00016**
Stddev	.00005	.00001	.00188	.07198	.00043	.00149	.00003	.00010	.01432	.00038
%RSD	79.246	3.4167	53.444	70.930	19.139	36.787	12.439	92.963	13.937	240.43
#1	-.00003	-.00032	.00485	.05058	.00193	.00510	.00020	-.00018	.09263	-.00011
#2	-.00011	-.00034	.00219	.15238	.00254	.00300	.00024	-.00004	.11289	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00020**	**.00402**	**.00032**	**.00303**	F **.01374**	**.02941**	**-.00072**	**-.00007**	W **.00211**
Stddev	.00133	.00044	.00017	.00090	.00157	.00271	.00581	.00084	.00012	.00188
%RSD	443.18	225.09	4.2972	281.46	52.022	19.749	19.749	116.45	160.61	89.099
#1	.00124	.00012	.00414	.00095	.00414	.01182	.02530	-.00013	-.00016	.00078
#2	-.00064	-.00051	.00390	-.00032	.00191	.01566	.03351	-.00131	.00001	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit						.01000				.00000
Low Limit						-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00023**	**-.02520**	**-.00033**	**.00314**	**-.00108**
Stddev	.00005	.00076	.02896	.00013	.00015	.00270
%RSD	17.954	329.41	114.91	41.109	4.7322	250.58
#1	-.00023	-.00031	-.00472	-.00042	.00324	.00083
#2	-.00030	.00077	-.04568	-.00023	.00303	-.00298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7213.1**	**82402.**	**6765.9**
Stddev	8.0	133.	26.0
%RSD	.11150	.16154	.38458
#1	7207.4	82496.	6784.3
#2	7218.8	82307.	6747.5

Sample Name: lcs 280-199865/2-a Acquired: 11/14/2013 21:05:12 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05055**	**1.9716**	**1.0319**	**1.0494**	**2.0175**	**.04792**	**2.1234**	**46.235**	**.09802**	**.48812**
Stddev	.00032	.0034	.0001	.0014	.0022	.00010	.0057	.093	.00023	.00021
%RSD	.63199	.17256	.00829	.13653	.10727	.20799	.26960	.20175	.23887	.04373
#1	.05077	1.9691	1.0318	1.0505	2.0160	.04785	2.1274	46.169	.09818	.48827
#2	.05032	1.9740	1.0319	1.0484	2.0190	.04799	2.1193	46.301	.09785	.48797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21154**	**.25110**	**1.0285**	**48.692**	**.99449**	**50.160**	**.48622**	**1.0447**	**51.064**	**.51630**
Stddev	.00042	.00129	.0021	.035	.00253	.266	.00128	.0011	.480	.00031
%RSD	.19704	.51381	.20215	.07235	.25481	.52990	.26385	.10894	.94038	.06059
#1	.21184	.25201	1.0300	48.668	.99270	49.973	.48531	1.0455	51.404	.51652
#2	.21125	.25019	1.0270	48.717	.99629	50.348	.48712	1.0439	50.725	.51608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.446**	**.46919**	**-.00243**	**.51664**	**2.1030**	**10.312**	**22.068**	**2.0577**	**.98869**	**1.0006**
Stddev	.018	.00017	.00431	.00006	.0117	.051	.108	.0009	.00038	.0047
%RSD	.17075	.03687	177.41	.01106	.55844	.48974	.48974	.04326	.03883	.47204
#1	10.458	.46932	-.00548	.51660	2.1113	10.348	22.145	2.0571	.98841	.99726
#2	10.433	.46907	.00062	.51668	2.0947	10.277	21.992	2.0584	.98896	1.0039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0206**	**1.9302**	F **3.2313**	**.48735**	**.49195**	**.48408**
Stddev	.0038	.0011	.0095	.00327	.00328	.00099
%RSD	.37367	.05829	.29246	.67092	.66745	.20388
#1	1.0179	1.9310	3.2380	.48504	.48963	.48338
#2	1.0233	1.9294	3.2247	.48966	.49428	.48478
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6965.5**	**79825.**	**6853.0**
Stddev	23.8	578.	49.6
%RSD	.34224	.72413	.72389
#1	6982.4	80234.	6888.1
#2	6948.6	79416.	6818.0

Sample Name: 280-48905-a-2-a Acquired: 11/14/2013 21:07:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.53815**	**-.00029**	**.24539**	**.09542**	**.00006**	**.00756**	**70.005**	**.00041**	**.00052**
Stddev	.00021	.00172	.00164	.00061	.00151	.00003	.00070	.046	.00012	.00010
%RSD	64.274	.31899	569.44	.24808	1.5816	52.648	9.2971	.06546	30.271	18.383
#1	-.00018	.53694	-.00144	.24583	.09435	.00004	.00806	69.972	.00032	.00059
#2	-.00049	.53937	.00087	.24496	.09649	.00008	.00706	70.037	.00049	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.16148**	**7.1828**	**16.388**	**.03063**	**16.913**	**.08668**	**.00742**	**118.34**	**.00356**
Stddev	.00005	.00026	.0291	.065	.00102	.000	.00026	.00018	.35	.00008
%RSD	2.3612	.16173	.40558	.39520	3.3369	.00017	.29884	2.4319	.29441	2.2439
#1	.00188	.16167	7.1622	16.343	.02991	16.913	.08649	.00755	118.09	.00351
#2	.00194	.16130	7.2034	16.434	.03135	16.913	.08686	.00729	118.58	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1798**	**.00074**	**49.815**	**.00088**	**.00588**	**2.6027**	**5.5698**	**.00290**	**.73007**	**.00243**
Stddev	.0091	.00274	.064	.00047	.00081	.0503	.1077	.00016	.00165	.00073
%RSD	.14698	371.45	.12832	52.906	13.747	1.9340	1.9340	5.6612	.22576	30.042
#1	6.1734	.00267	49.860	.00121	.00531	2.5671	5.4936	.00278	.72890	.00295
#2	6.1862	-.00120	49.770	.00055	.00645	2.6383	5.6459	.00302	.73123	.00192
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02033**	**.00135**	**-.04422**	**.00384**	**.11592**	**.00476**
Stddev	.00055	.00111	.00552	.00007	.00011	.00154
%RSD	2.6942	82.155	12.478	1.7479	.09567	32.336
#1	.01994	.00213	-.04813	.00379	.11584	.00367
#2	.02072	.00056	-.04032	.00389	.11600	.00584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6951.9**	**80328.**	**6988.2**
Stddev	22.4	177.	5.7
%RSD	.32243	.22055	.08185
#1	6967.7	80453.	6984.2
#2	6936.0	80202.	6992.3

Sample Name: 280-48905-a-2-aSD@5 Acquired: 11/14/2013 21:09:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.11947**	**-.00159**	**.05028**	**.01938**	**.00000**	**.00450**	**14.347**	**-.00006**	**.00004**
Stddev	.00023	.00027	.00079	.00003	.00034	.0000	.00117	.030	.00009	.00016
%RSD	58.597	.22354	50.016	.05346	1.7391	1164.8	25.957	.21046	157.54	392.53
#1	-.00023	.11966	-.00215	.05030	.01914	-.00003	.00367	14.368	-.00012	.00015
#2	-.00056	.11928	-.00103	.05026	.01962	.00002	.00532	14.326	.00001	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.03234**	**1.4976**	**3.3783**	**.00707**	**3.5369**	**.01795**	**.00139**	**25.029**	**.00074**
Stddev	.00005	.00017	.0121	.0061	.00137	.0029	.00009	.00005	.380	.00030
%RSD	18.560	.52779	.80510	.18053	19.454	.08207	.52592	3.9377	1.5175	41.331
#1	.00030	.03222	1.4890	3.3826	.00609	3.5348	.01802	.00135	24.760	.00095
#2	.00023	.03246	1.5061	3.3740	.00804	3.5389	.01788	.00143	25.298	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2184**	**-.00044**	**9.7920**	**.00067**	**.00226**	**.52429**	**1.1220**	**.00197**	**.14914**	**.00223**
Stddev	.0126	.00097	.0350	.00167	.00165	.00066	.0014	.00008	.00028	.00321
%RSD	1.0332	222.67	.35797	248.53	72.987	.12551	.12551	3.8885	.18538	143.88
#1	1.2273	-.00112	9.8168	.00186	.00342	.52475	1.1230	.00192	.14934	.00450
#2	1.2095	.00025	9.7672	-.00051	.00109	.52382	1.1210	.00203	.14895	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00052**	**-.02348**	**.00076**	**.02785**	**.00041**
Stddev	.00007	.00024	.02601	.00030	.00042	.00045
%RSD	1.6585	46.892	110.76	39.664	1.5093	109.63
#1	.00426	.00069	-.04187	.00054	.02756	.00009
#2	.00416	.00035	-.00509	.00097	.02815	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7213.4**	**83347.**	**7018.7**
Stddev	3.9	201.	7.1
%RSD	.05456	.24109	.10076
#1	7216.1	83205.	7023.7
#2	7210.6	83489.	7013.7

Sample Name: 280-48905-a-2-b ms Acquired: 11/14/2013 21:11:55 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05031**	**2.3921**	W **2.5406**	**.98687**	**1.2249**	**1.9430**	**.04389**	F **2.0527**	**109.17**	**.09352**
Stddev	.00099	.0020	.0227	.00368	.0094	.0035	.00007	.0197	.31	.00055
%RSD	1.9776	.08352	.89522	.37294	.76991	.18163	.16840	.96051	.28719	.58313
#1	.05102	2.3935	2.5245	.98426	1.2182	1.9405	.04384	2.0388	108.95	.09314
#2	.04961	2.3907	2.5567	.98947	1.2315	1.9455	.04394	2.0667	109.39	.09391
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44445**	**.19358**	**.38704**	**7.7627**	**62.206**	**.96388**	**61.500**	**.52242**	**.96644**	**161.75**
Stddev	.00028	.00170	.00111	.0244	.167	.00422	.040	.00021	.00107	.26
%RSD	.06272	.87976	.28568	.31485	.26811	.43781	.06511	.04020	.11027	.15854
#1	.44426	.19237	.38783	7.7454	62.088	.96090	61.528	.52257	.96568	161.93
#2	.44465	.19478	.38626	7.7800	62.324	.96687	61.472	.52228	.96719	161.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47327**	W **15.363**	**.43436**	**49.046**	**.48345**	**2.0001**	**12.577**	**26.915**	**1.7829**	**1.6099**
Stddev	.00310	.003	.00043	.009	.00058	.0061	.073	.157	.0077	.0039
%RSD	.65539	.01775	.09908	.01936	.11975	.30486	.58245	.58245	.43306	.24491
#1	.47108	15.361	.43406	49.039	.48304	1.9958	12.525	26.804	1.7774	1.6072
#2	.47546	15.364	.43466	49.053	.48386	2.0044	12.629	27.026	1.7883	1.6127
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57658**	**.91083**	**1.7564**	**2.9574**	**.44923**	**.55514**	**.23769**
Stddev	.00043	.00065	.0091	.0161	.00238	.00063	.00147
%RSD	.07421	.07135	.51589	.54467	.52923	.11374	.61829
#1	.57628	.91129	1.7500	2.9460	.44755	.55469	.23666
#2	.57689	.91037	1.7628	2.9688	.45092	.55559	.23873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6858.5**	**78116.**	**6944.5**
Stddev	6.0	207.	23.7
%RSD	.08717	.26513	.34116
#1	6862.7	78263.	6961.2
#2	6854.3	77970.	6927.7

Sample Name: 280-48905-a-2-c msd Acquired: 11/14/2013 21:14:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**2.4192**	W **2.5799**	**1.0047**	**1.2505**	**1.9790**	**.04478**	F **2.0950**	**112.58**	**.09531**
Stddev	.00081	.0069	.0077	.0045	.0018	.0018	.00033	.0012	.29	.00016
%RSD	1.5564	.28407	.29991	.44361	.14293	.08997	.73423	.05706	.25851	.16796
#1	.05237	2.4143	2.5745	1.0015	1.2492	1.9778	.04455	2.0941	112.38	.09542
#2	.05123	2.4240	2.5854	1.0078	1.2518	1.9803	.04501	2.0958	112.79	.09519
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45283**	**.19648**	**.39769**	**8.0376**	**63.855**	**.98684**	**62.585**	**.53315**	**.98641**	**167.08**
Stddev	.00009	.00015	.00047	.0463	.095	.00141	.010	.00004	.00007	.21
%RSD	.01936	.07722	.11816	.57557	.14917	.14282	.01669	.00821	.00693	.12799
#1	.45289	.19637	.39802	8.0049	63.787	.98585	62.578	.53318	.98637	167.23
#2	.45276	.19658	.39735	8.0703	63.922	.98784	62.593	.53312	.98646	166.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47902**	W **15.733**	**.44045**	**50.971**	**.48980**	**2.0225**	**12.876**	**27.554**	**1.8036**	**1.6532**
Stddev	.00110	.013	.00017	.091	.00078	.0093	.046	.098	.0032	.0014
%RSD	.23058	.08142	.03804	.17936	.15939	.45926	.35455	.35455	.17761	.08290
#1	.47824	15.743	.44033	51.035	.48925	2.0290	12.908	27.623	1.8013	1.6523
#2	.47980	15.724	.44057	50.906	.49035	2.0159	12.843	27.485	1.8058	1.6542
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57487**	**.92696**	**1.7845**	**3.0230**	**.45720**	**.56425**	**.23509**
Stddev	.00172	.00174	.0036	.0102	.00041	.00210	.00040
%RSD	.29888	.18729	.19868	.33687	.09032	.37184	.17047
#1	.57609	.92574	1.7820	3.0302	.45691	.56276	.23481
#2	.57366	.92819	1.7870	3.0158	.45749	.56573	.23538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6833.7**	**78474.**	**6842.6**
Stddev	16.7	326.	10.9
%RSD	.24509	.41599	.15966
#1	6845.6	78705.	6850.3
#2	6821.9	78244.	6834.9

Sample Name: 280-48905-a-4-a Acquired: 11/14/2013 21:16:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.02772**	**-.00120**	**.23726**	**.04357**	**-.00005**	**.00293**	**70.876**	**.00034**	**.00000**
Stddev	.00034	.00008	.00019	.00045	.00003	.00001	.00266	.102	.00001	.0000
%RSD	48.996	.27084	15.792	.19016	.07993	21.175	90.706	.14383	1.7010	1825.9
#1	-.00093	.02778	-.00133	.23694	.04355	-.00006	.00481	70.804	.00034	.00003
#2	-.00045	.02767	-.00106	.23757	.04360	-.00004	.00105	70.948	.00033	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.01371**	**.33849**	**15.954**	**.03246**	**17.106**	**.02014**	**.00583**	**119.16**	**.00202**
Stddev	.00017	.00076	.00279	.069	.00085	.019	.00003	.00009	.20	.00014
%RSD	50.172	5.5536	.82363	.43522	2.6319	.11208	.17048	1.4791	.16458	6.8645
#1	.00021	.01317	.34046	16.003	.03186	17.120	.02017	.00577	119.29	.00192
#2	.00045	.01425	.33652	15.905	.03306	17.093	.02012	.00589	119.02	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39388**	**-.00091**	**50.971**	**-.00112**	**.00364**	**2.2603**	**4.8371**	**-.00001**	**.72495**	**.00169**
Stddev	.00134	.00108	.069	.00210	.00164	.0268	.0573	.00002	.00177	.00237
%RSD	.34052	118.33	.13528	187.06	45.151	1.1841	1.1841	228.49	.24432	140.29
#1	.39293	-.00015	50.922	.00036	.00480	2.2792	4.8775	-.00003	.72370	.00001
#2	.39483	-.00167	51.019	-.00261	.00248	2.2414	4.7966	.00001	.72620	.00337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00162**	**-.02707**	**.00040**	**.05206**	**.00015**
Stddev	.00011	.00078	.07465	.00011	.00080	.00009
%RSD	19.088	47.890	275.73	28.730	1.5340	61.562
#1	.00064	.00217	.02571	.00032	.05262	.00022
#2	.00049	.00107	-.07985	.00048	.05149	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6962.6**	**79340.**	**6837.2**
Stddev	7.6	282.	21.1
%RSD	.10855	.35514	.30917
#1	6957.3	79141.	6852.1
#2	6968.0	79539.	6822.2

Sample Name: 280-48917-c-1-a Acquired: 11/14/2013 21:18:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**12.961**	**.00064**	**.84069**	**.02888**	**-.00005**	**.00253**	**98.297**	**.00031**	**.00000**
Stddev	.00036	.046	.00023	.00048	.00009	.00008	.00081	.374	.00006	.00015
%RSD	38.712	.35411	36.167	.05763	.31188	164.65	31.890	.38095	19.888	40367.
#1	-.00118	12.994	.00048	.84035	.02894	.00001	.00310	98.562	.00036	-.00010
#2	-.00067	12.929	.00080	.84103	.02882	-.00011	.00196	98.033	.00027	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**.01305**	**.26110**	**2.4683**	**.01270**	**5.8460**	**.07742**	**.01136**	**22.444**	**.01216**
Stddev	.00012	.00069	.00424	.0687	.00279	.0076	.00003	.00000	.530	.00022
%RSD	.75199	5.2794	1.6225	2.7838	21.951	.13062	.04253	.02484	2.3636	1.7822
#1	.01605	.01257	.25811	2.4197	.01073	5.8514	.07745	.01136	22.069	.01200
#2	.01623	.01354	.26410	2.5169	.01467	5.8406	.07740	.01135	22.819	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06830**	**.00152**	**75.513**	**-.00067**	**-.00182**	**.86662**	**1.8546**	**-.00049**	**.23374**	**.00319**
Stddev	.00118	.00116	.091	.00322	.00409	.00270	.0058	.00034	.00069	.00099
%RSD	1.7289	76.383	.12088	483.71	224.86	.31145	.31145	69.471	.29414	31.132
#1	.06747	.00233	75.448	.00161	.00107	.86853	1.8586	-.00025	.23423	.00249
#2	.06914	.00070	75.577	-.00294	-.00472	.86471	1.8505	-.00073	.23326	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00096**	**-.02307**	**.00092**	**.01943**	**-.00127**
Stddev	.00010	.00144	.00228	.00009	.00025	.00011
%RSD	14.936	150.59	9.8692	9.5010	1.2865	8.9316
#1	.00071	-.00006	-.02468	.00086	.01960	-.00119
#2	.00058	.00197	-.02146	.00099	.01925	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7016.2**	**80572.**	**6898.9**
Stddev	5.9	70.	46.9
%RSD	.08440	.08727	.68039
#1	7020.4	80523.	6865.7
#2	7012.0	80622.	6932.1

Sample Name: CCVH-2372891 Acquired: 11/14/2013 21:20:45 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00559**	**48.550**	**-.00072**	**.00416**	**.00025**	**-.00005**	W **1.0587**	**.01976**	**.00076**	**-.00078**	**.00039**	**-.00615**
Stddev	.00109	.102	.00187	.00118	.00029	.00002	.0015	.00110	.00016	.00010	.00009	.00045
%RSD	19.439	.21028	260.73	28.452	117.62	29.947	.14226	5.5603	21.209	12.630	22.799	7.3140
#1	-.00636	48.622	.00060	.00500	.00045	-.00004	1.0598	.02054	.00064	-.00071	.00046	-.00647
#2	-.00482	48.478	-.00204	.00332	.00004	-.00006	1.0576	.01899	.00087	-.00084	.00033	-.00583
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.804**	**.20330**	**.00173**	**.06921**	**-.00018**	**.00050**	**248.65**	**-.00072**	**.00502**	**-.00148**	**5.1320**	**.00134**
Stddev	.120	.00359	.00013	.01164	.00007	.00013	.33	.00004	.00358	.00097	.0501	.00202
%RSD	.23603	1.7652	7.7394	16.824	40.109	25.696	.13314	5.9526	71.312	65.603	.97680	151.26
#1	50.889	.20584	.00163	.06098	-.00023	.00059	248.42	-.00069	.00755	-.00079	5.1674	-.00009
#2	50.719	.20077	.00182	.07745	-.00013	.00041	248.89	-.00075	.00249	-.00216	5.0965	.00277
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00557**	**-.00426**	**-.00912**	**-.00060**	**.00000**	**5.0035**	**.01164**	**.00292**	F **8.0587**	**.00068**	**.00205**	**-.06839**
Stddev	.00058	.00275	.00588	.00088	.0000	.0014	.00033	.00001	.0039	.00003	.00030	.00301
%RSD	10.375	64.409	64.409	146.46	1084.2	.02734	2.8716	.24695	.04843	3.7495	14.483	4.4021
#1	-.00516	-.00620	-.01328	-.00123	-.00004	5.0045	.01140	.00292	8.0614	.00066	.00225	-.06626
#2	-.00598	-.00232	-.00497	.00002	.00003	5.0025	.01187	.00293	8.0559	.00070	.00184	-.07052
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7178.9**	**80981.**	**7029.2**
Stddev	17.2	99.	36.7
%RSD	.23892	.12275	.52162
#1	7166.8	80910.	7055.1
#2	7191.0	81051.	7003.2

Sample Name: CCV-2372889 Acquired: 11/14/2013 21:23:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52972**	**.52045**	**1.0285**	**.52122**	**.50019**	**.47447**	**-.00855**	**4.7041**	**.48723**	**.49791**	**.52146**	**.50272**	**2.5835**
Stddev	.00093	.00060	.0032	.00068	.00023	.00087	.00026	.0432	.00044	.00061	.00038	.00117	.0157
%RSD	.17513	.11574	.30978	.13010	.04681	.18371	3.0614	.91918	.09015	.12217	.07336	.23227	.60899
#1	.53038	.52087	1.0263	.52170	.50003	.47509	-.00874	4.6735	.48754	.49748	.52173	.50355	2.5946
#2	.52907	.52002	1.0308	.52074	.50036	.47386	-.00837	4.7346	.48692	.49834	.52119	.50189	2.5724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.721**	**.97907**	**19.911**	**.48628**	**.51326**	**5.1128**	**.52542**	**1.0245**	**.96116**	**-.00013**	**1.0151**	**1.0416**	**5.0511**
Stddev	.001	.00044	.030	.00106	.00039	.0188	.00003	.0008	.00131	.00124	.0049	.0033	.0514
%RSD	.00147	.04465	.14995	.21788	.07606	.36711	.00653	.08123	.13629	969.12	.48468	.32092	1.0169
#1	47.722	.97876	19.932	.48703	.51298	5.1261	.52539	1.0240	.96209	-.00100	1.0185	1.0439	5.0148
#2	47.721	.97938	19.890	.48553	.51354	5.0995	.52544	1.0251	.96024	.00075	1.0116	1.0392	5.0874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.809**	**1.0147**	**.49110**	**.00368**	**.49621**	**.99673**	**-.03220**	**.47582**	**.49225**	**.49223**
Stddev	.110	.0017	.00001	.00031	.00067	.00092	.07901	.00334	.00190	.00455
%RSD	1.0169	.16439	.00304	8.4948	.13506	.09250	245.40	.70267	.38686	.92393
#1	10.732	1.0135	.49109	.00390	.49573	.99608	-.08806	.47345	.49359	.48902
#2	10.887	1.0159	.49112	.00346	.49668	.99738	.02367	.47818	.49090	.49545
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7248.7**	**83116.**	**7026.3**
Stddev	14.6	24.	22.5
%RSD	.20176	.02836	.31981
#1	7238.3	83132.	7010.4
#2	7259.0	83099.	7042.1

Sample Name: CCB Acquired: 11/14/2013 21:25:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.00064**	**-.00059**	**.00254**	**.00032**	**.00006**	**.00355**	**.00159**	**.00006**	**-.00007**	**-.00003**	**-.00094**
Stddev	.00029	.00077	.00167	.00025	.00007	.00014	.00106	.00205	.00008	.00019	.00001	.00027
%RSD	35.770	119.53	282.40	10.004	22.977	261.87	29.771	129.20	142.68	292.73	44.117	28.803
#1	-.00061	.00119	.00059	.00272	.00027	.00016	.00280	.00014	.00000	.00007	-.00004	-.00075
#2	-.00102	.00010	-.00177	.00236	.00038	-.00005	.00429	.00304	.00012	-.00020	-.00002	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.15171**	**.00248**	**.00159**	**.00006**	**.00014**	W **.15337**	**.00002**	**-.00079**	**-.00079**	**.00653**	W **.00554**
Stddev	.00093	.01800	.00037	.00084	.00000	.00007	.00091	.00006	.00052	.00120	.00083	.00114
%RSD	119.12	11.865	15.024	52.921	.70904	49.885	.59650	267.14	65.691	151.39	12.747	20.625
#1	-.00012	.16444	.00275	.00099	.00006	.00020	.15272	.00006	-.00042	-.00164	.00712	.00473
#2	-.00144	.13898	.00222	.00218	.00006	.00009	.15402	-.00002	-.00115	.00006	.00594	.00635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.01123**	**.02404**	**-.00024**	**-.00008**	**.00354**	**.00018**	**-.00001**	**-.02116**	**-.00017**	**.00259**	**-.00004**
Stddev	.00139	.00066	.00141	.00005	.00005	.00061	.00011	.00009	.05922	.00001	.00019	.00217
%RSD	541.33	5.8858	5.8858	21.473	55.378	17.108	63.173	764.25	279.83	6.6464	7.1854	5243.7
#1	.00073	.01170	.02504	-.00020	-.00012	.00311	.00010	-.00007	.02071	-.00018	.00272	.00150
#2	-.00124	.01077	.02304	-.00027	-.00005	.00397	.00026	.00005	-.06303	-.00016	.00246	-.00158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7227.5**	**83104.**	**6971.8**
Stddev	26.2	131.	77.3
%RSD	.36280	.15723	1.1092
#1	7246.1	83196.	7026.4
#2	7209.0	83011.	6917.1

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:27:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00996**	**.10781**	**.01149**	**.10490**	**.01004**	**.00099**	**.11588**	**.19506**	**.00494**	**.01018**	**.01065**	**.01457**	**.10146**
Stddev	.00007	.00030	.00040	.00077	.00005	.00004	.00191	.00185	.00004	.00032	.00004	.00004	.00082
%RSD	.71190	.27777	3.4753	.73587	.46385	3.6730	1.6445	.95008	.75633	3.1563	.41486	.28467	.80966
#1	.00991	.10802	.01121	.10435	.01007	.00101	.11723	.19637	.00491	.00996	.01062	.01460	.10088
#2	.01001	.10760	.01177	.10544	.01001	.00096	.11454	.19374	.00496	.01041	.01069	.01454	.10204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9581**	**.00930**	**.20775**	**.00999**	**.02005**	**1.1022**	**.04308**	**3.0316**	**.00893**	**.00031**	**.01050**	**.01861**	**.49264**
Stddev	.0558	.00060	.00124	.00002	.00010	.0147	.00038	.0001	.00020	.00141	.00118	.00196	.01848
%RSD	1.8869	6.4398	.59778	.21363	.52274	1.3313	.88340	.00482	2.1967	458.69	11.197	10.532	3.7513
#1	2.9187	.00888	.20863	.01001	.02013	1.0919	.04335	3.0315	.00907	-.00069	.00967	.01723	.47957
#2	2.9976	.00972	.20688	.00998	.01998	1.1126	.04281	3.0317	.00879	.00130	.01133	.02000	.50571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0542**	**.10555**	**.00971**	**.01720**	**.00963**	**.01680**	F **.03450**	**.00940**	**.02395**	**.01279**
Stddev	.0396	.00127	.00018	.00180	.00011	.00002	.03427	.00007	.00058	.00295
%RSD	3.7513	1.2049	1.8317	10.436	1.1211	.09391	99.341	.78341	2.4396	23.047
#1	1.0263	.10465	.00984	.01847	.00971	.01679	.05873	.00935	.02354	.01488
#2	1.0822	.10645	.00958	.01594	.00955	.01681	.01027	.00946	.02437	.01071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7376.4**	**84909.**	**7038.9**
Stddev	15.8	348.	19.9
%RSD	.21449	.40929	.28265
#1	7387.6	85154.	7052.9
#2	7365.2	84663.	7024.8

Sample Name: mb 280-199968/1-a Acquired: 11/14/2013 21:30:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00508**	**-.00144**	**.00153**	**.00010**	**-.00006**	**.00313**	**.02428**	**.00012**	**-.00021**
Stddev	.00001	.00001	.00087	.00012	.00018	.00002	.00160	.00092	.00027	.00002
%RSD	2.0549	.17387	60.800	7.9083	181.34	28.411	50.987	3.8022	235.77	8.4029
#1	-.00068	.00507	-.00082	.00144	-.00003	-.00005	.00200	.02493	-.00008	-.00022
#2	-.00070	.00509	-.00205	.00161	.00023	-.00007	.00426	.02362	.00031	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00004**	**.00628**	**.17636**	**.00139**	**.00683**	**.00012**	**-.00017**	**.18919**	**.00016**
Stddev	.00004	.00047	.00171	.01101	.00060	.00202	.00004	.00004	.00720	.00019
%RSD	45.272	1306.4	27.187	6.2433	42.943	29.524	29.013	26.461	3.8046	117.80
#1	.00012	-.00030	.00749	.18415	.00097	.00540	.00010	-.00020	.19428	.00029
#2	.00006	.00037	.00507	.16857	.00181	.00825	.00015	-.00014	.18410	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**-.00080**	**.01678**	**.00036**	**-.00138**	**.01438**	**.03077**	**.00272**	**-.00011**	**.00330**
Stddev	.00003	.00086	.00044	.00019	.00190	.01429	.03057	.00037	.00000	.00084
%RSD	1.0966	107.84	2.6051	51.789	138.20	99.351	99.351	13.524	2.2161	25.337
#1	.00308	-.00141	.01647	.00023	-.00003	.00428	.00915	.00298	-.00011	.00271
#2	.00303	-.00019	.01709	.00049	-.00272	.02448	.05239	.00246	-.00011	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00017**	**-.03389**	**-.00031**	**.00456**	**.00017**
Stddev	.00005	.00089	.05199	.00022	.00013	.00161
%RSD	19.223	536.13	153.43	71.071	2.9177	967.56
#1	.00031	-.00047	.00288	-.00016	.00465	.00131
#2	.00023	.00080	-.07065	-.00047	.00447	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7361.9**	**85156.**	**7100.0**
Stddev	6.2	78.	3.6
%RSD	.08435	.09185	.05076
#1	7357.5	85101.	7102.6
#2	7366.3	85212.	7097.5

Sample Name: lcs 280-199968/2-a Acquired: 11/14/2013 21:32:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04850**	**1.8683**	**.97971**	**.97519**	**1.8985**	**.04494**	**2.0211**	**43.318**	**.09276**	**.46136**
Stddev	.00050	.0025	.00555	.00126	.0044	.00028	.0015	.106	.00017	.00125
%RSD	1.0206	.13354	.56658	.12872	.23206	.62571	.07223	.24509	.17985	.27176
#1	.04885	1.8665	.97579	.97430	1.8954	.04474	2.0221	43.243	.09264	.46047
#2	.04815	1.8701	.98364	.97608	1.9016	.04514	2.0200	43.393	.09288	.46225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19955**	**.23875**	**.97649**	**45.691**	**.93723**	**46.962**	**.45727**	**.98098**	**48.285**	**.48673**
Stddev	.00062	.00187	.00112	.140	.00284	.104	.00036	.00180	.456	.00011
%RSD	.31140	.78212	.11473	.30550	.30338	.22123	.07823	.18374	.94380	.02324
#1	.19911	.24007	.97728	45.593	.93522	47.036	.45702	.97971	47.963	.48681
#2	.19999	.23743	.97570	45.790	.93924	46.889	.45752	.98226	48.607	.48665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9151**	**.44156**	**1.9516**	**.48003**	**1.9618**	**1.3150**	**2.8142**	**1.9181**	**.93033**	**.93955**
Stddev	.0092	.00122	.0013	.00072	.0124	.0321	.0687	.0044	.00160	.00126
%RSD	.09275	.27518	.06508	.14970	.63193	2.4413	2.4413	.22731	.17153	.13432
#1	9.9086	.44070	1.9507	.47953	1.9531	1.2923	2.7656	1.9150	.92920	.94045
#2	9.9216	.44242	1.9525	.48054	1.9706	1.3377	2.8628	1.9212	.93146	.93866
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95538**	**1.8094**	F **3.0842**	**.45454**	**.45876**	**.45448**
Stddev	.00170	.0029	.0531	.00046	.00030	.00288
%RSD	.17751	.15939	1.7224	.10022	.06595	.63310
#1	.95658	1.8115	3.0467	.45486	.45855	.45244
#2	.95418	1.8074	3.1218	.45421	.45897	.45651
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.7**	**81172.**	**7017.6**
Stddev	21.4	40.	52.6
%RSD	.30293	.04922	.74887
#1	7072.8	81200.	7054.8
#2	7042.6	81144.	6980.5

Sample Name: 280-48951-b-3-a Acquired: 11/14/2013 21:34:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**73.776**	**.01717**	**.11113**	**.52312**	**.00354**	**-.04047**	W **622.23**	**.00295**	**.04757**
Stddev	.00020	.130	.00141	.00012	.00054	.00007	.00221	4.99	.00010	.00015
%RSD	21.021	.17572	8.1904	.10632	.10239	1.8376	5.4660	.80132	3.2551	.31466
#1	-.00108	73.684	.01816	.11122	.52274	.00359	-.03891	618.70	.00302	.04747
#2	-.00080	73.868	.01618	.11105	.52350	.00350	-.04204	625.75	.00288	.04768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14736**	**.10913**	**121.64**	**16.930**	**.18269**	**233.63**	**4.2387**	**.00366**	**67.199**	**.13125**
Stddev	.00051	.00042	.97	.056	.00221	1.69	.0348	.00004	.746	.00020
%RSD	.34677	.38051	.79802	.32791	1.2076	.72514	.82101	1.0526	1.1107	.15241
#1	.14700	.10942	120.95	16.891	.18113	232.43	4.2141	.00364	66.671	.13111
#2	.14772	.10884	122.32	16.970	.18425	234.82	4.2633	.00369	67.727	.13139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9698**	**.04837**	**5.1042**	**.00430**	**.00612**	**3.0599**	**6.5483**	**.00730**	**.70629**	**.03054**
Stddev	.0012	.00091	.0091	.00418	.00209	.0279	.0598	.00078	.00213	.00483
%RSD	.03129	1.8807	.17831	97.131	34.207	.91312	.91312	10.738	.30090	15.804
#1	3.9706	.04773	5.0978	.00135	.00760	3.0797	6.5906	.00674	.70479	.02713
#2	3.9689	.04902	5.1107	.00725	.00464	3.0402	6.5060	.00785	.70779	.03396
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9193**	**-.00057**	F **-.18072**	**.15846**	**.31612**	**.10777**
Stddev	.0004	.00011	.04362	.00014	.00086	.00005
%RSD	.01970	20.113	24.136	.08967	.27138	.04469
#1	1.9191	-.00065	-.14988	.15856	.31551	.10774
#2	1.9196	-.00049	-.21157	.15836	.31672	.10780
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7076.9**	**79596.**	**7328.8**
Stddev	3.3	151.	26.4
%RSD	.04716	.18922	.36059
#1	7074.6	79703.	7310.1
#2	7079.3	79490.	7347.5

Sample Name: 280-48951-b-3-aSD@5 Acquired: 11/14/2013 21:36:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**15.314**	**.00207**	**.02461**	**.11119**	**.00089**	**-.00561**	**134.63**	**.00097**	**.01044**
Stddev	.00024	.008	.00232	.00064	.00224	.00030	.00142	.22	.00008	.00003
%RSD	20.572	.05402	112.24	2.6004	2.0110	34.020	25.323	.16344	8.3936	.29598
#1	-.00102	15.319	.00043	.02415	.10961	.00068	-.00461	134.47	.00091	.01046
#2	-.00136	15.308	.00371	.02506	.11277	.00110	-.00662	134.78	.00102	.01042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03156**	**.02206**	**26.443**	**3.5876**	**.03878**	**49.238**	**.90669**	**.00043**	**14.468**	**.02893**
Stddev	.00000	.00034	.031	.0818	.00289	.161	.00200	.00008	.141	.00024
%RSD	.01425	1.5575	.11749	2.2813	7.4408	.32776	.22007	17.596	.97521	.82897
#1	.03156	.02182	26.421	3.5297	.03674	49.352	.90810	.00048	14.368	.02876
#2	.03157	.02231	26.465	3.6455	.04082	49.124	.90528	.00038	14.568	.02910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81005**	**.01118**	**1.0169**	**.00038**	**.00356**	**.70534**	**1.5094**	**.00310**	**.14967**	**.00829**
Stddev	.00072	.00082	.0031	.00127	.00071	.03390	.0725	.00040	.00140	.00421
%RSD	.08869	7.3652	.29993	337.10	19.838	4.8057	4.8057	12.877	.93489	50.742
#1	.81056	.01060	1.0190	-.00052	.00306	.72931	1.5607	.00282	.14868	.01127
#2	.80954	.01176	1.0147	.00127	.00406	.68138	1.4581	.00338	.15066	.00532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39913**	**.00105**	F **-.11062**	**.03257**	**.07340**	**.02281**
Stddev	.00024	.00056	.03495	.00068	.00071	.00178
%RSD	.05938	53.418	31.594	2.1010	.97409	7.8242
#1	.39929	.00144	-.13533	.03209	.07289	.02155
#2	.39896	.00065	-.08590	.03306	.07390	.02407
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7185.4**	**81485.**	**7087.1**
Stddev	14.1	210.	34.9
%RSD	.19686	.25787	.49301
#1	7195.4	81634.	7111.8
#2	7175.4	81337.	7062.4

Sample Name: 280-48951-b-3-b ms Acquired: 11/14/2013 21:39:12 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04807**	**128.51**	**.94864**	**1.1065**	**2.5021**	**.04669**	F **1.8299**	W **714.70**	**.09178**	**.45695**
Stddev	.00033	.50	.00174	.0008	.0034	.00031	.0004	4.84	.00034	.00037
%RSD	.68179	.38786	.18304	.07654	.13736	.67248	.01979	.67719	.37228	.08109
#1	.04784	128.15	.94742	1.1059	2.5046	.04646	1.8296	718.12	.09154	.45669
#2	.04830	128.86	.94987	1.1071	2.4997	.04691	1.8301	711.27	.09202	.45721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38525**	**.35669**	**144.56**	**80.789**	**1.1611**	**305.63**	**5.1065**	**.88801**	**119.84**	**.57108**
Stddev	.00012	.00044	.33	.181	.0017	.78	.0231	.00029	.18	.00023
%RSD	.03013	.12314	.22591	.22410	.14307	.25469	.45160	.03265	.14894	.04066
#1	.38533	.35700	144.79	80.661	1.1623	306.18	5.1228	.88822	119.71	.57092
#2	.38517	.35638	144.32	80.917	1.1599	305.08	5.0902	.88781	119.97	.57125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.753**	**.43597**	**7.1123**	**.27400**	**1.8568**	**6.6487**	**14.228**	**1.6834**	**1.6970**	**.94319**
Stddev	.004	.00220	.0029	.00322	.0038	.0138	.030	.0019	.0003	.00902
%RSD	.02825	.50564	.04071	1.1748	.20230	.20746	.20746	.11289	.01644	.95680
#1	13.755	.43441	7.1144	.27172	1.8595	6.6390	14.207	1.6821	1.6972	.93681
#2	13.750	.43753	7.1103	.27627	1.8542	6.6585	14.249	1.6848	1.6968	.94957
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9575**	**1.4717**	**2.7048**	**.66806**	**.76522**	**.57981**
Stddev	.0067	.0010	.0488	.00160	.00101	.00263
%RSD	.17033	.06630	1.8055	.23876	.13232	.45335
#1	3.9623	1.4723	2.7394	.66693	.76450	.57795
#2	3.9528	1.4710	2.6703	.66919	.76593	.58167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.1**	**78382.**	**7322.4**
Stddev	5.0	67.	26.0
%RSD	.07135	.08551	.35517
#1	6964.6	78335.	7304.0
#2	6957.6	78429.	7340.8

Sample Name: 280-48951-b-3-c msd Acquired: 11/14/2013 21:41:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04906**	**126.34**	**.95197**	**1.1327**	**2.4707**	**.04701**	F **1.8402**	W **649.29**	**.09172**	**.45394**
Stddev	.00034	.03	.00274	.0029	.0036	.00021	.0080	14.37	.00039	.00232
%RSD	.69442	.02700	.28733	.25473	.14417	.43895	.43252	2.2138	.42618	.51168
#1	.04882	126.36	.95004	1.1306	2.4733	.04715	1.8346	639.13	.09144	.45229
#2	.04930	126.31	.95391	1.1347	2.4682	.04686	1.8458	659.45	.09199	.45558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37469**	**.34645**	**134.61**	**81.642**	**1.1505**	**287.98**	**4.6812**	**.88608**	**112.31**	**.56144**
Stddev	.00166	.00082	.11	.078	.0001	2.46	.0332	.00276	.34	.00253
%RSD	.44214	.23760	.07915	.09553	.00485	.85542	.70862	.31141	.30152	.45064
#1	.37352	.34703	134.53	81.697	1.1504	286.24	4.6577	.88413	112.54	.55965
#2	.37586	.34587	134.68	81.587	1.1505	289.73	4.7047	.88803	112.07	.56322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.309**	**.43128**	**6.6589**	**.26864**	**1.8630**	**5.9193**	**12.667**	**1.6862**	**1.6250**	**.93895**
Stddev	.059	.00434	.0070	.00095	.0014	.0271	.058	.0095	.0018	.00010
%RSD	.44549	1.0058	.10446	.35248	.07437	.45794	.45794	.56069	.11189	.01102
#1	13.267	.42822	6.6540	.26797	1.8621	5.9385	12.708	1.6795	1.6263	.93888
#2	13.350	.43435	6.6638	.26931	1.8640	5.9001	12.626	1.6928	1.6237	.93902
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9807**	**1.4859**	**2.7561**	**.66707**	**.73865**	**.57782**
Stddev	.0045	.0027	.0510	.00114	.00202	.00223
%RSD	.11299	.18452	1.8490	.17055	.27307	.38642
#1	3.9775	1.4839	2.7921	.66626	.73722	.57940
#2	3.9838	1.4878	2.7201	.66787	.74008	.57624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6955.9**	**77998.**	**7191.2**
Stddev	14.6	146.	80.7
%RSD	.20994	.18773	1.1228
#1	6966.3	78102.	7248.3
#2	6945.6	77895.	7134.1

Sample Name: CCVH-2372891 Acquired: 11/14/2013 21:43:55 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00656**	**48.600**	**-.00080**	**.00549**	**.00058**	**-.00006**	W **1.0533**	**.04101**	**.00079**	**-.00113**	**.00028**	**-.00639**
Stddev	.00002	.044	.00137	.00123	.00002	.00002	.0006	.00437	.00011	.00002	.00004	.00040
%RSD	.36531	.09016	171.67	22.380	4.1993	36.731	.05368	10.659	13.352	1.6553	14.652	6.2205
#1	-.00654	48.569	-.00176	.00636	.00057	-.00008	1.0537	.04410	.00086	-.00111	.00025	-.00668
#2	-.00658	48.631	.00017	.00463	.00060	-.00004	1.0529	.03792	.00072	-.00114	.00031	-.00611
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.244**	**.35851**	**.00066**	**.08903**	**.00042**	**.00088**	**249.11**	**-.00087**	**.00255**	**-.00234**	**5.0631**	**.00247**
Stddev	.149	.02124	.00271	.00408	.00013	.00007	.26	.00026	.00125	.00059	.0112	.00135
%RSD	.29669	5.9250	408.92	4.5771	31.200	8.5377	.10470	30.364	49.153	25.096	.22187	54.579
#1	50.138	.37353	-.00125	.08615	.00033	.00082	249.30	-.00105	.00166	-.00192	5.0552	.00342
#2	50.349	.34349	.00258	.09191	.00051	.00093	248.93	-.00068	.00343	-.00275	5.0711	.00151
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00431**	**.01101**	**.02355**	**.00050**	**.00005**	**5.0441**	**.01259**	**.00327**	F **8.0422**	**.00042**	**.00227**	**-.07037**
Stddev	.00056	.00857	.01834	.00104	.00008	.0205	.00095	.00000	.0882	.00030	.00016	.00145
%RSD	13.034	77.883	77.883	207.43	166.82	.40653	7.5345	.09411	1.0960	70.373	7.2061	2.0630
#1	-.00391	.01707	.03653	-.00023	.00011	5.0296	.01192	.00326	7.9799	.00063	.00215	-.07140
#2	-.00471	.00494	.01058	.00124	-.00001	5.0586	.01326	.00327	8.1045	.00021	.00239	-.06935
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7092.1**	**80085.**	**6870.6**
Stddev	23.6	97.	25.4
%RSD	.33316	.12121	.37012
#1	7075.4	80154.	6888.5
#2	7108.8	80017.	6852.6

Sample Name: CCV-2372889 Acquired: 11/14/2013 21:46:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53081**	**.52417**	**1.0288**	**.52024**	**.49928**	**.47136**	**-.01017**	**4.6647**	**.48596**	**.49722**	**.52248**	**.49993**	**2.5809**
Stddev	.00174	.00113	.0003	.00047	.00041	.00018	.00123	.0341	.00081	.00028	.00069	.00148	.0034
%RSD	.32830	.21521	.03120	.09066	.08144	.03800	12.063	.73084	.16590	.05717	.13205	.29586	.13308
#1	.53204	.52338	1.0290	.52057	.49899	.47149	-.01103	4.6406	.48653	.49701	.52297	.50097	2.5833
#2	.52957	.52497	1.0286	.51990	.49956	.47123	-.00930	4.6888	.48539	.49742	.52200	.49888	2.5784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.534**	**.97855**	**20.042**	**.48825**	**.51779**	**5.1493**	**.52537**	**1.0308**	**.96748**	**-.00133**	**1.0181**	**1.0473**	**4.9998**
Stddev	.005	.00049	.009	.00070	.00202	.0151	.00106	.0030	.00289	.00140	.0071	.0029	.0084
%RSD	.00980	.04959	.04382	.14339	.39095	.29322	.20104	.28916	.29890	105.48	.69545	.27666	.16848
#1	47.538	.97890	20.036	.48775	.51923	5.1600	.52611	1.0329	.96953	-.00034	1.0231	1.0494	5.0058
#2	47.531	.97821	20.049	.48874	.51636	5.1386	.52462	1.0287	.96544	-.00232	1.0131	1.0453	4.9939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**1.0228**	**.48826**	**.00238**	**.49817**	**1.0034**	**-.00056**	**.47595**	**.49695**	**.48572**
Stddev	.018	.0007	.00029	.00014	.00052	.0035	.02026	.00094	.00126	.00178
%RSD	.16848	.06459	.05841	6.0101	.10376	.35106	3620.3	.19838	.25368	.36656
#1	10.712	1.0233	.48806	.00228	.49780	1.0059	-.01488	.47662	.49605	.48698
#2	10.687	1.0224	.48846	.00248	.49853	1.0009	.01376	.47528	.49784	.48446
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7186.9**	**81968.**	**6886.3**
Stddev	26.9	290.	19.6
%RSD	.37434	.35340	.28483
#1	7205.9	82173.	6900.2
#2	7167.9	81763.	6872.4

Sample Name: CCB Acquired: 11/14/2013 21:48:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00775**	**-.00123**	**.00316**	**.00004**	**.00000**	**.00164**	**.00742**	**.00013**	**-.00001**	**.00018**	**-.00074**
Stddev	.00076	.00807	.00177	.00007	.00011	.0000	.00012	.00159	.00002	.00006	.00019	.00104
%RSD	101.50	104.13	143.67	2.0558	288.63	3178.5	7.1584	21.448	16.768	733.78	106.87	140.95
#1	-.00129	.01346	.00002	.00321	.00012	-.00002	.00172	.00629	.00014	-.00005	.00031	-.00147
#2	-.00021	.00204	-.00248	.00312	-.00004	.00002	.00156	.00854	.00011	.00004	.00004	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**.18556**	**.00072**	**.01069**	**.00019**	**.00038**	F **.21714**	**-.00004**	**.00139**	**-.00051**	**.00177**	W **.00560**
Stddev	.00306	.00354	.00257	.00180	.00004	.00017	.01553	.00024	.00270	.00067	.00283	.00052
%RSD	82.294	1.9088	358.32	16.823	22.318	45.520	7.1512	610.11	193.48	131.16	160.15	9.3607
#1	.00588	.18807	-.00110	.00942	.00016	.00026	.20616	.00013	.00330	-.00099	.00376	.00597
#2	.00155	.18306	.00253	.01196	.00022	.00051	.22812	-.00021	-.00051	-.00004	-.00023	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00018**	**-.00039**	**-.00011**	**-.00021**	**.00264**	**.00016**	**.00069**	F **-.06213**	**-.00019**	**.00283**	**.00049**
Stddev	.00154	.00569	.01218	.00044	.00007	.00261	.00018	.00100	.04393	.00031	.00002	.00080
%RSD	571.48	3103.3	3103.3	418.34	34.213	98.835	115.78	145.03	70.704	161.45	.65548	165.30
#1	-.00136	-.00421	-.00901	.00021	-.00016	.00449	.00003	.00139	-.09319	.00003	.00284	.00105
#2	.00082	.00384	.00822	-.00042	-.00026	.00080	.00029	-.00002	-.03107	-.00042	.00282	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.1**	**82164.**	**6857.5**
Stddev	25.9	336.	87.1
%RSD	.35972	.40882	1.2700
#1	7176.8	82402.	6919.0
#2	7213.4	81927.	6795.9

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:50:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	F **.13699**	**.01367**	**.10597**	**.01093**	**.00109**	**.12022**	F **.41083**	**.00505**	**.01044**	**.01113**	**.01587**	F **.24758**
Stddev	.00023	.00019	.00126	.00047	.00025	.00000	.00062	.00245	.00028	.00015	.00012	.00045	.00776
%RSD	2.2217	.14186	9.2484	.44704	2.2422	.20848	.51320	.59520	5.6136	1.3999	1.0438	2.8393	3.1349
#1	.01038	.13685	.01277	.10563	.01111	.00109	.12066	.40910	.00525	.01054	.01104	.01619	.24209
#2	.01006	.13712	.01456	.10630	.01076	.00109	.11979	.41256	.00485	.01034	.01121	.01555	.25307
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		.10000						.20000					.10000
Range		30.000%						30.000%					30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0946**	**.01054**	**.22726**	**.01227**	**.02095**	**1.2768**	**.04524**	**3.1392**	**.00801**	**.03676**	**.01108**	**.01493**	**.51272**
Stddev	.0104	.00090	.00020	.00006	.00034	.0094	.00008	.0012	.00020	.00299	.00144	.00104	.00633
%RSD	.33645	8.5069	.09000	.46247	1.6122	.73698	.17147	.03937	2.5228	8.1353	12.960	6.9518	1.2337
#1	3.0872	.00990	.22741	.01231	.02119	1.2702	.04530	3.1383	.00787	.03465	.01210	.01566	.50825
#2	3.1019	.01117	.22712	.01223	.02071	1.2835	.04519	3.1400	.00815	.03888	.01007	.01419	.51719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0972**	F **.14578**	**.01039**	**.01587**	**.01082**	**.01763**	F **.09376**	**.00986**	F **.05487**	**.01601**
Stddev	.0135	.00028	.00019	.00035	.00041	.00054	.06692	.00027	.00083	.00179
%RSD	1.2337	.18963	1.7910	2.2318	3.8063	3.0550	71.368	2.7686	1.5204	11.205
#1	1.0876	.14597	.01025	.01612	.01112	.01801	.04644	.01005	.05546	.01474
#2	1.1068	.14558	.01052	.01562	.01053	.01725	.14108	.00967	.05428	.01728
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value		.10000					.06000		.02000	
Range		30.000%					30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7375.2**	**84826.**	**6976.6**
Stddev	7.7	522.	70.4
%RSD	.10481	.61522	1.0090
#1	7369.8	84457.	7026.3
#2	7380.7	85195.	6926.8

Sample Name: 280-48860-a-1-a Acquired: 11/14/2013 21:53:07 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**90.963**	**.07119**	**.07286**	**.98032**	**.00251**	**-.04470**	**66.845**	**.00131**	**.04173**
Stddev	.00010	.049	.00157	.00068	.00268	.00005	.00157	.089	.00005	.00001
%RSD	8.2624	.05355	2.2017	.93334	.27287	1.7924	3.5187	.13296	4.1076	.01232
#1	-.00111	90.997	.07008	.07238	.98221	.00248	-.04359	66.908	.00127	.04172
#2	-.00125	90.928	.07230	.07334	.97843	.00255	-.04581	66.782	.00134	.04173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29894**	**.07094**	**95.619**	**13.503**	**.03792**	**53.219**	**1.7146**	**.00144**	**6.4149**	**.42593**
Stddev	.00005	.00108	.150	.044	.00132	.091	.0021	.00004	.0159	.00098
%RSD	.01511	1.5221	.15640	.32670	3.4929	.17102	.12358	3.0185	.24826	.23116
#1	.29897	.07170	95.725	13.534	.03886	53.155	1.7131	.00141	6.4262	.42523
#2	.29891	.07017	95.514	13.471	.03698	53.283	1.7161	.00147	6.4037	.42662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6649**	**.08317**	**.57850**	**-.00141**	**.00419**	**2.1198**	**4.5364**	**.00708**	**.50769**	**.02404**
Stddev	.0042	.00205	.00536	.00043	.00171	.0041	.0089	.00014	.00163	.00063
%RSD	.11356	2.4627	.92717	30.308	40.786	.19505	.19505	1.9872	.32112	2.6249
#1	3.6620	.08172	.57470	-.00111	.00539	2.1227	4.5426	.00718	.50884	.02449
#2	3.6679	.08462	.58229	-.00171	.00298	2.1169	4.5301	.00698	.50654	.02359
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8334**	**-.00212**	F **-.18762**	**.25778**	**.18743**	**.01861**
Stddev	.0028	.00100	.04138	.00079	.00121	.00024
%RSD	.15341	47.046	22.055	.30776	.64683	1.2821
#1	1.8315	-.00141	-.21687	.25722	.18657	.01844
#2	1.8354	-.00282	-.15836	.25834	.18829	.01878
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7506.0**	**83907.**	**7391.6**
Stddev	2.9	451.	26.5
%RSD	.03815	.53806	.35859
#1	7508.1	84227.	7410.3
#2	7504.0	83588.	7372.8

Sample Name: 280-48860-a-2-a Acquired: 11/14/2013 21:55:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**162.42**	**.16699**	**.11282**	**1.4561**	**.00266**	F **-.29968**	W **708.56**	**.00353**	**.18021**
Stddev	.00043	.58	.00213	.00115	.0040	.00004	.00153	8.56	.00021	.00045
%RSD	26.698	.35769	1.2763	1.0201	.27397	1.6539	.51035	1.2076	5.8249	.24709
#1	-.00193	162.00	.16548	.11364	1.4533	.00269	-.29860	714.61	.00338	.17990
#2	-.00132	162.83	.16850	.11201	1.4589	.00262	-.30076	702.51	.00367	.18053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6167**	**.27802**	**289.27**	**12.731**	**.18947**	**204.01**	**5.1474**	**.00640**	**1.9461**	**1.9512**
Stddev	.0036	.00089	1.13	.068	.00329	.33	.0288	.00005	.0066	.0004
%RSD	.22093	.31908	.38976	.53187	1.7357	.16231	.55917	.81159	.33904	.01789
#1	1.6192	.27740	288.47	12.683	.18715	204.24	5.1677	.00643	1.9508	1.9515
#2	1.6142	.27865	290.06	12.778	.19180	203.78	5.1270	.00636	1.9414	1.9510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.5098**	**.08667**	**3.8007**	**.00944**	**.01031**	**1.5723**	**3.3646**	**.02739**	**.93565**	**.00364**
Stddev	.0012	.00010	.0092	.00087	.00515	.0179	.0383	.00006	.00240	.00297
%RSD	.02582	.11274	.24224	9.1706	49.945	1.1372	1.1372	.23502	.25603	81.657
#1	4.5089	.08660	3.8073	.01005	.00667	1.5849	3.3917	.02743	.93396	.00574
#2	4.5106	.08674	3.7942	.00883	.01395	1.5596	3.3376	.02734	.93735	.00154
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.580**	W **-.01077**	F **-.10620**	**.67312**	**.77717**	**.12582**
Stddev	.034	.00220	.05676	.00185	.00945	.00063
%RSD	.23358	20.432	53.442	.27500	1.2163	.49828
#1	14.604	-.00921	-.06607	.67443	.78386	.12626
#2	14.556	-.01232	-.14634	.67182	.77049	.12537
Check ?	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000	5.0000	50.000			
Low Limit	-.01000	-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7034.6**	**79445.**	**7313.1**
Stddev	12.2	602.	24.2
%RSD	.17299	.75822	.33070
#1	7043.2	79020.	7330.2
#2	7026.0	79871.	7296.0

Sample Name: 280-48860-a-3-a Acquired: 11/14/2013 21:58:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**68.508**	**.04446**	**.04947**	**.48290**	**.00123**	F **-.10123**	**35.708**	**.00174**	**.05199**
Stddev	.00003	.001	.00021	.00035	.00010	.00007	.00144	.052	.00007	.00009
%RSD	10.256	.00215	.47450	.70371	.02141	6.0614	1.4222	.14679	4.2146	.17752
#1	-.00031	68.507	.04461	.04971	.48297	.00128	-.10022	35.671	.00169	.05193
#2	-.00027	68.509	.04431	.04922	.48283	.00117	-.10225	35.745	.00179	.05206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52968**	**.19727**	**94.204**	**13.148**	**.04767**	**44.446**	**1.3035**	**.01134**	**6.2183**	**.44166**
Stddev	.00118	.00090	.756	.008	.00113	.134	.0028	.00003	.0096	.00055
%RSD	.22253	.45613	.80249	.05708	2.3627	.30080	.21757	.24719	.15505	.12517
#1	.52885	.19663	94.739	13.143	.04847	44.540	1.3055	.01136	6.2115	.44127
#2	.53052	.19790	93.670	13.153	.04688	44.351	1.3015	.01132	6.2251	.44206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6405**	**.24395**	**30.972**	**-.00511**	**.00569**	**.98614**	**2.1103**	**.00995**	**.24020**	**.00891**
Stddev	.0022	.00102	.054	.00124	.00316	.01336	.0286	.00007	.00019	.00043
%RSD	.06156	.41748	.17594	24.317	55.487	1.3547	1.3547	.74722	.08118	4.8045
#1	3.6389	.24323	30.934	-.00423	.00793	.99559	2.1306	.01000	.24006	.00921
#2	3.6420	.24467	31.011	-.00599	.00346	.97670	2.0901	.00990	.24034	.00861
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4700**	**-.00340**	**-.04532**	**.33691**	**.60857**	**.02038**
Stddev	.0065	.00013	.01021	.00056	.00442	.00019
%RSD	.14500	3.8362	22.525	.16721	.72550	.92492
#1	4.4746	-.00331	-.05254	.33731	.61169	.02051
#2	4.4655	-.00350	-.03810	.33651	.60544	.02025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7303.6**	**82604.**	**7025.9**
Stddev	8.0	25.	.4
%RSD	.10999	.03021	.00575
#1	7297.9	82622.	7025.6
#2	7309.2	82587.	7026.2

Sample Name: 280-48860-a-4-a Acquired: 11/14/2013 22:00:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.79647**	**.01245**	**.01886**	**.08951**	**.00001**	**.00324**	**26.323**	**.00108**	**.00347**
Stddev	.00001	.00515	.00333	.00040	.00002	.00001	.00021	.036	.00010	.00008
%RSD	8.0401	.64672	26.789	2.1463	.01894	272.80	6.4962	.13837	9.5183	2.3813
#1	.00010	.79283	.01481	.01915	.08952	.00000	.00339	26.349	.00101	.00341
#2	.00012	.80012	.01009	.01858	.08950	.00002	.00309	26.297	.00116	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02158**	**.01728**	**1.7413**	**1.2189**	**.00328**	**2.0238**	**.07953**	**.00165**	**.70955**	**.04580**
Stddev	.00000	.00044	.0177	.0191	.00112	.0020	.00016	.00019	.00024	.00033
%RSD	.02177	2.5198	1.0176	1.5656	34.139	.09690	.20274	11.566	.03431	.71760
#1	.02158	.01759	1.7288	1.2324	.00408	2.0224	.07942	.00178	.70972	.04604
#2	.02158	.01697	1.7539	1.2054	.00249	2.0251	.07964	.00152	.70938	.04557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81840**	**.26944**	**3.9449**	**.00307**	**.01418**	**.53239**	**1.1393**	**.00712**	**.09032**	**.00351**
Stddev	.00703	.00206	.0057	.00017	.00013	.00828	.0177	.00018	.00051	.00116
%RSD	.85867	.76380	.14492	5.6519	.91156	1.5554	1.5554	2.5127	.56675	32.943
#1	.82337	.27090	3.9490	.00295	.01428	.53824	1.1518	.00699	.08995	.00433
#2	.81343	.26799	3.9409	.00319	.01409	.52653	1.1268	.00724	.09068	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03837**	**-.00101**	**-.02989**	**.01761**	**6.3888**	**.00057**
Stddev	.00034	.00020	.04108	.00043	.0085	.00035
%RSD	.88213	19.303	137.42	2.4526	.13332	60.522
#1	.03861	-.00115	-.05893	.01792	6.3828	.00033
#2	.03813	-.00087	-.00084	.01731	6.3948	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7325.9**	**85032.**	**7223.4**
Stddev	23.4	122.	39.8
%RSD	.31901	.14334	.55029
#1	7342.5	85119.	7251.5
#2	7309.4	84946.	7195.3

Sample Name: 280-48860-a-5-a Acquired: 11/14/2013 22:02:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**68.246**	**.04980**	**.04849**	**.48365**	**.00124**	F **-.10097**	**35.638**	**.00172**	**.05159**
Stddev	.00001	.013	.00127	.00042	.00216	.00015	.00119	.018	.00021	.00035
%RSD	19.083	.01885	2.5504	.87222	.44677	11.914	1.1763	.04947	12.134	.67214
#1	-.00007	68.255	.05070	.04819	.48212	.00114	-.10181	35.651	.00157	.05135
#2	-.00005	68.237	.04890	.04879	.48518	.00134	-.10013	35.626	.00187	.05184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52932**	**.19734**	**94.921**	**13.167**	**.04654**	**44.384**	**1.3023**	**.01107**	**6.2281**	**.44147**
Stddev	.00042	.00126	.263	.035	.00039	.115	.0005	.00019	.0031	.00011
%RSD	.07888	.63844	.27737	.26817	.83005	.26012	.04164	1.6780	.04952	.02544
#1	.52961	.19645	94.734	13.142	.04627	44.303	1.3019	.01120	6.2259	.44139
#2	.52902	.19823	95.107	13.192	.04682	44.466	1.3026	.01094	6.2303	.44155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6393**	**.24492**	**31.012**	**-.00591**	**.00612**	**.99592**	**2.1313**	**.00966**	**.24101**	**.00896**
Stddev	.0022	.00083	.003	.00096	.00144	.01442	.0309	.00060	.00073	.00058
%RSD	.06095	.34071	.01094	16.203	23.537	1.4480	1.4480	6.2437	.30130	6.5199
#1	3.6377	.24551	31.014	-.00523	.00714	.98573	2.1095	.00924	.24050	.00937
#2	3.6408	.24433	31.009	-.00658	.00510	1.0061	2.1531	.01009	.24153	.00855
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4644**	**-.00366**	W **-.09064**	**.33743**	**.60635**	**.01760**
Stddev	.0013	.00016	.01785	.00027	.00054	.00086
%RSD	.02914	4.4533	19.691	.07970	.08856	4.8768
#1	4.4653	-.00354	-.07802	.33762	.60673	.01820
#2	4.4634	-.00377	-.10327	.33724	.60597	.01699
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7319.9**	**82865.**	**7147.6**
Stddev	5.1	199.	5.6
%RSD	.06927	.24026	.07849
#1	7323.5	82724.	7143.6
#2	7316.3	83006.	7151.5

Sample Name: 280-48003-c-13-a Acquired: 11/14/2013 22:04:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196538 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.02051**	**-.00290**	**.05464**	**.02818**	**-.00002**	**.00378**	**129.68**	**.00029**	**-.00009**
Stddev	.00043	.00443	.00448	.00025	.00011	.00002	.00073	.42	.00009	.00026
%RSD	74.156	21.612	154.35	.44939	.38415	92.667	19.184	.32208	29.830	286.48
#1	-.00089	.02365	-.00607	.05447	.02810	-.00001	.00327	129.39	.00035	.00009
#2	-.00028	.01738	.00027	.05481	.02825	-.00004	.00430	129.98	.00023	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00029**	**.57505**	**6.4275**	**.00577**	**7.8082**	**.00864**	**.00066**	**55.957**	**.00046**
Stddev	.00005	.00019	.00006	.0109	.00098	.0088	.00005	.00020	.311	.00019
%RSD	6.1379	64.883	.01093	.16953	17.035	.11291	.60124	30.624	.55651	42.387
#1	.00083	.00016	.57501	6.4198	.00647	7.8019	.00860	.00052	55.737	.00032
#2	.00076	.00042	.57509	6.4352	.00508	7.8144	.00867	.00080	56.177	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03745**	**-.00050**	**1.8998**	**-.00023**	**.00105**	**4.7242**	**10.110**	**-.00018**	**1.1391**	**.00211**
Stddev	.00213	.00126	.0103	.00067	.00074	.0189	.041	.00027	.0036	.00128
%RSD	5.6775	249.82	.53958	290.17	70.581	.40096	.40096	152.12	.31308	60.815
#1	.03594	-.00139	1.8926	.00024	.00053	4.7376	10.138	-.00036	1.1366	.00302
#2	.03895	.00039	1.9071	-.00071	.00158	4.7108	10.081	.00001	1.1416	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.00137**	**-.04077**	**.00170**	**.01048**	**.00083**
Stddev	.00002	.00038	.03511	.00044	.00022	.00007
%RSD	1.6019	27.792	86.139	25.670	2.0794	8.8442
#1	.00112	.00163	-.06560	.00139	.01032	.00088
#2	.00115	.00110	-.01594	.00201	.01063	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.3**	**81069.**	**6982.5**
Stddev	33.0	37.	41.5
%RSD	.46806	.04562	.59455
#1	7076.6	81095.	7011.9
#2	7029.9	81042.	6953.2

Sample Name: 280-48003-c-16-a Acquired: 11/14/2013 22:07:14 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196538 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.02818**	**-.00310**	**.06676**	**.04450**	**-.00007**	**.00266**	**166.30**	**.00018**	**-.00040**
Stddev	.00022	.00113	.00071	.00028	.00025	.00006	.00053	.80	.00004	.00009
%RSD	23.402	4.0262	22.911	.41546	.55110	82.358	20.041	.47820	23.435	21.673
#1	-.00109	.02738	-.00259	.06657	.04468	-.00011	.00304	166.87	.00015	-.00034
#2	-.00078	.02898	-.00360	.06696	.04433	-.00003	.00229	165.74	.00021	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00018**	**1.4134**	**19.308**	**.00602**	**8.1700**	**.01999**	**.00132**	**144.11**	**.00047**
Stddev	.00004	.00000	.0200	.043	.00135	.0114	.00008	.00037	.31	.00005
%RSD	6.3762	1.4887	1.4165	.22447	22.453	.13972	.38767	27.918	.21364	11.447
#1	.00061	-.00018	1.4275	19.338	.00697	8.1619	.01994	.00106	144.33	.00043
#2	.00056	-.00019	1.3992	19.277	.00506	8.1780	.02005	.00158	143.90	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03019**	**-.00116**	**2.3271**	**-.00013**	**.00032**	**4.2619**	**9.1206**	**-.00147**	**1.4556**	**.00186**
Stddev	.00045	.00153	.0102	.00010	.00050	.0901	.1929	.00043	.0044	.00132
%RSD	1.4852	131.76	.44022	81.891	152.64	2.1153	2.1153	29.428	.30267	70.665
#1	.02988	-.00008	2.3199	-.00005	-.00003	4.3257	9.2570	-.00178	1.4587	.00093
#2	.03051	-.00225	2.3344	-.00020	.00067	4.1982	8.9841	-.00117	1.4524	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00098**	W **-.06326**	**.00078**	**.01041**	**.00055**
Stddev	.00045	.00043	.04049	.00031	.00012	.00143
%RSD	243.81	43.914	64.014	39.524	1.1685	258.09
#1	-.00013	.00129	-.03462	.00056	.01049	-.00046
#2	.00051	.00068	-.09189	.00099	.01032	.00157
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.7**	**78446.**	**6864.4**
Stddev	2.0	675.	45.2
%RSD	.02943	.86009	.65776
#1	6826.1	78923.	6832.5
#2	6823.3	77969.	6896.3

Sample Name: 280-48003-c-24-c Acquired: 11/14/2013 22:09:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196547 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.67550**	**.00219**	**.05190**	**.02739**	**-.00001**	**.00342**	**215.63**	**.00016**	**.00019**
Stddev	.00017	.00995	.00157	.00026	.00012	.00010	.00016	1.21	.00013	.00024
%RSD	27.312	1.4727	71.688	.50822	.44632	1050.2	4.7957	.55920	82.461	125.93
#1	-.00051	.66846	.00108	.05172	.02747	.00006	.00330	216.48	.00025	.00002
#2	-.00075	.68253	.00330	.05209	.02730	-.00008	.00354	214.77	.00007	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**.00042**	**2.0841**	**2.4877**	**.00553**	**4.2667**	**.01531**	**.00276**	**9.3727**	W **10.294**
Stddev	.00007	.00009	.0128	.0290	.00081	.0169	.00009	.00006	.0047	.140
%RSD	1.5437	21.610	.61552	1.1647	14.679	.39550	.55628	2.2794	.04970	1.3601
#1	.00476	.00036	2.0751	2.5082	.00495	4.2787	.01537	.00272	9.3694	10.195
#2	.00486	.00049	2.0932	2.4672	.00610	4.2548	.01525	.00281	9.3760	10.393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00187**	**.11245**	**-.00017**	**8.4234**	**.00072**	**-.00040**	**5.9613**	**12.757**	**.00003**	**2.4816**
Stddev	.00028	.00155	.00088	.0050	.00095	.00191	.0030	.006	.00080	.0005
%RSD	15.173	1.3823	509.82	.05971	131.44	479.86	.05024	.05024	2938.4	.01928
#1	.00167	.11135	.00045	8.4270	.00005	-.00175	5.9634	12.762	.00059	2.4819
#2	.00207	.11355	-.00080	8.4199	.00139	.00095	5.9592	12.753	-.00054	2.4812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00224**	**.00219**	**.00051**	**.00311**	**.00711**	**-.00031**
Stddev	.00030	.00034	.00002	.04040	.00005	.00029	.00095
%RSD	14.689	15.092	.70929	7849.3	1.5918	4.1192	306.79
#1	.00227	.00248	.00218	.02908	.00308	.00690	-.00098
#2	.00185	.00200	.00220	-.02806	.00315	.00732	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6890.4**	**79521.**	**6852.1**
Stddev	14.3	555.	47.3
%RSD	.20709	.69846	.69089
#1	6900.5	79128.	6818.6
#2	6880.3	79914.	6885.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 22:12:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00632**	**48.850**	**.00050**	**-.00023**	**.00056**	**-.00005**	**1.0425**	**.02753**	**.00085**	**-.00096**	**.00036**	**-.00642**	**50.230**
Stddev	.00001	.023	.00057	.00009	.00003	.00003	.0045	.00234	.00007	.00008	.00009	.00019	.498
%RSD	.18472	.04750	113.44	37.723	4.4897	63.177	.43554	8.4931	7.6732	8.0078	24.113	2.9161	.99177
#1	-.00631	48.834	.00090	-.00017	.00058	-.00003	1.0392	.02918	.00080	-.00101	.00042	-.00655	50.582
#2	-.00633	48.867	.00010	-.00029	.00055	-.00007	1.0457	.02588	.00089	-.00091	.00030	-.00628	49.878
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13188**	**.00255**	**.06239**	**-.00007**	**.00041**	**249.15**	**-.00072**	**.00377**	**-.00238**	**5.0128**	**-.00022**	**-.00612**	**.00785**
Stddev	.00267	.00066	.00420	.00004	.00021	.91	.00002	.00155	.00008	.0208	.00049	.00038	.00313
%RSD	2.0278	26.041	6.7340	61.595	50.929	.36468	3.1632	41.038	3.2973	.41555	219.57	6.1671	39.875
#1	.13378	.00302	.06536	-.00010	.00056	248.51	-.00073	.00487	-.00233	4.9981	-.00056	-.00585	.01007
#2	.12999	.00208	.05942	-.00004	.00026	249.79	-.00070	.00268	-.00244	5.0275	.00012	-.00639	.00564
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01681**	**-.00074**	**.00012**	**5.0425**	**.01161**	**.00317**	F **8.0773**	**.00076**	**.00228**	**-.06998**
Stddev	.00670	.00025	.00003	.0137	.00062	.00049	.1036	.00030	.00040	.00287
%RSD	39.875	34.220	23.906	.27199	5.3776	15.578	1.2826	39.546	17.665	4.0990
#1	.02155	-.00056	.00014	5.0522	.01205	.00352	8.1505	.00097	.00256	-.07200
#2	.01207	-.00092	.00010	5.0328	.01117	.00282	8.0040	.00055	.00199	-.06795
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6998.7**	**78095.**	**6679.4**
Stddev	15.3	268.	34.9
%RSD	.21870	.34377	.52311
#1	7009.5	77905.	6704.2
#2	6987.9	78285.	6654.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 22:14:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52723**	**.52899**	**1.0230**	**.51621**	**.49976**	**.47336**	**-.00961**	**4.7290**	**.48481**	**.49804**	**.52215**	**.49708**	**2.5763**
Stddev	.00157	.00082	.0026	.00425	.00078	.00101	.00138	.0029	.00016	.00032	.00025	.00257	.0014
%RSD	.29740	.15420	.25604	.82308	.15583	.21388	14.370	.06042	.03283	.06475	.04874	.51708	.05540
#1	.52833	.52957	1.0212	.51321	.49921	.47265	-.01058	4.7270	.48492	.49781	.52197	.49526	2.5773
#2	.52612	.52841	1.0249	.51922	.50031	.47408	-.00863	4.7310	.48470	.49827	.52233	.49890	2.5753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.894**	**.98123**	**20.085**	**.49045**	**.51758**	**5.0952**	**.52534**	**1.0272**	**.96958**	**.00290**	**1.0139**	**1.0365**	**5.0711**
Stddev	.007	.00321	.047	.00069	.00047	.0126	.00030	.0014	.00379	.00094	.0020	.0017	.0147
%RSD	.01373	.32680	.23173	.14106	.09050	.24708	.05757	.14011	.39051	32.234	.19617	.15943	.28969
#1	47.890	.97896	20.118	.49094	.51725	5.1041	.52555	1.0261	.96690	.00356	1.0125	1.0353	5.0607
#2	47.899	.98350	20.052	.48996	.51791	5.0863	.52512	1.0282	.97225	.00224	1.0153	1.0377	5.0815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.852**	**1.0254**	**.49023**	**.00419**	**.49952**	**1.0001**	**-.04292**	**.47962**	**.50296**	**.48836**
Stddev	.031	.0007	.00021	.00039	.00008	.0001	.00813	.00118	.00312	.00117
%RSD	.28969	.06626	.04266	9.3924	.01672	.00682	18.946	.24571	.61962	.23938
#1	10.830	1.0259	.49038	.00447	.49946	1.0002	-.04867	.48045	.50517	.48753
#2	10.874	1.0249	.49008	.00392	.49957	1.0001	-.03717	.47879	.50076	.48918
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7133.1**	**80574.**	**6711.0**
Stddev	.5	301.	15.0
%RSD	.00680	.37324	.22407
#1	7132.8	80361.	6700.4
#2	7133.5	80786.	6721.6

Sample Name: CCB Acquired: 11/14/2013 22:16:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.00398**	**-.00032**	**.00057**	**.00020**	**.00012**	**.00399**	**.00619**	**-.00010**	**.00007**	**.00018**	**-.00045**
Stddev	.00042	.00363	.00022	.00000	.00004	.00002	.00110	.00209	.00007	.00002	.00003	.00003
%RSD	76.869	91.207	68.135	.52924	20.729	15.206	27.603	33.830	63.092	34.973	19.688	6.7356
#1	-.00025	.00655	-.00017	.00057	.00023	.00014	.00321	.00471	-.00006	.00009	.00020	-.00047
#2	-.00085	.00141	-.00048	.00057	.00017	.00011	.00477	.00767	-.00015	.00005	.00015	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.15285**	**.00169**	**.00500**	**.00016**	**.00033**	W **.17179**	**.00000**	**.00030**	**.00095**	**.00955**	F **.00636**
Stddev	.00299	.01184	.00147	.00140	.00003	.00008	.01514	.00019	.00091	.00038	.00176	.00046
%RSD	59.921	7.7478	86.794	28.076	16.580	23.532	8.8101	4459.7	303.63	40.358	18.463	7.1592
#1	.00288	.16123	.00273	.00401	.00014	.00028	.18250	.00014	-.00034	.00068	.01080	.00604
#2	.00711	.14448	.00065	.00599	.00018	.00039	.16109	-.00013	.00094	.00122	.00830	.00668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**.01162**	**.02486**	**-.00017**	**-.00002**	**.00201**	**.00030**	**.00018**	**-.01419**	**-.00001**	**.00256**	**.00002**
Stddev	.00254	.00668	.01430	.00029	.00013	.00078	.00008	.00086	.00768	.00030	.00008	.00022
%RSD	226.95	57.528	57.528	172.71	606.21	38.672	27.660	479.09	54.127	2254.3	3.1688	942.52
#1	-.00292	.01634	.03497	-.00037	-.00011	.00255	.00025	.00079	-.01962	.00020	.00250	-.00013
#2	.00068	.00689	.01475	.00004	.00007	.00146	.00036	-.00043	-.00876	-.00022	.00262	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7114.5**	**81430.**	**6675.8**
Stddev	6.7	236.	25.5
%RSD	.09375	.28945	.38237
#1	7119.2	81264.	6657.7
#2	7109.8	81597.	6693.8

Sample Name: CCVL2379751 Acquired: 11/14/2013 22:18:51 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00970**	**.10814**	**.01493**	**.10213**	**.01025**	**.00088**	**.11573**	**.20090**	**.00464**	**.01015**	**.01056**	**.01439**	**.10689**	**2.9373**
Stddev	.00045	.00048	.00059	.00004	.00006	.00005	.00085	.00095	.00004	.00010	.00002	.00000	.00002	.0088
%RSD	4.6846	.44163	3.9315	.04256	.60235	5.8786	.73085	.47343	.94242	1.0321	.14714	.02497	.02171	.30012
#1	.00937	.10848	.01451	.10216	.01020	.00085	.11633	.20157	.00461	.01007	.01057	.01439	.10690	2.9436
#2	.01002	.10780	.01534	.10210	.01029	.00092	.11513	.20022	.00467	.01022	.01055	.01439	.10687	2.9311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.20933**	**.00992**	**.02009**	**1.1144**	**.04285**	**3.0001**	**.00849**	**.00379**	**.01155**	**.01199**	**.49285**	**1.0547**	**.10466**
Stddev	.00010	.00017	.00005	.00021	.0118	.00003	.0037	.00113	.00192	.00005	.00093	.00478	.0102	.00067
%RSD	.95940	.07906	.50174	1.0375	1.0568	.07005	.12263	13.355	50.777	.43202	7.7736	.96976	.96976	.63687
#1	.01026	.20921	.00988	.01994	1.1061	.04287	3.0027	.00769	.00515	.01158	.01265	.49623	1.0619	.10513
#2	.01012	.20944	.00995	.02024	1.1228	.04282	2.9975	.00929	.00243	.01151	.01133	.48947	1.0475	.10419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00969**	**.01603**	**.00975**	**.01585**	**.07492**	**.00964**	**.02436**	**.01298**
Stddev	.00004	.00010	.00019	.00007	.02404	.00048	.00063	.00020
%RSD	.42757	.60235	1.9292	.46880	32.091	4.9982	2.5933	1.5558
#1	.00966	.01596	.00988	.01580	.09192	.00930	.02391	.01284
#2	.00972	.01610	.00961	.01590	.05792	.00998	.02480	.01313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7265.6**	**82913.**	**6797.4**
Stddev	13.0	757.	10.3
%RSD	.17947	.91241	.15190
#1	7274.8	83448.	6790.1
#2	7256.3	82378.	6804.7

Sample Name: mb 280-200656/1-a Acquired: 11/14/2013 22:21:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00068**	**.00136**	**-.00114**	**-.00030**	**.00059**	**-.00003**	**.00319**	**.00553**	**-.00001**	**-.00007**
Stddev	.00032	.00016	.00327	.00060	.00031	.00002	.00115	.00475	.00018	.00010
%RSD	47.107	11.706	285.98	199.37	52.506	85.401	36.172	85.772	1465.2	139.54
#1	-.00091	.00125	.00117	.00012	.00037	-.00005	.00237	.00889	.00012	-.00014
#2	-.00045	.00148	-.00345	-.00072	.00081	-.00001	.00400	.00218	-.00014	.00000
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00077**	**.00622**	**.10312**	**.00134**	**.00161**	**.00018**	**-.00021**	W **.12276**	**-.00007**
Stddev	.00011	.00044	.00153	.02838	.00021	.00170	.00003	.00004	.00409	.00012
%RSD	273.39	56.896	24.632	27.519	15.532	105.48	15.244	21.394	3.3338	169.05
#1	.00011	-.00046	.00514	.08306	.00149	.00041	.00016	-.00018	.11987	-.00015
#2	-.00004	-.00108	.00730	.12319	.00119	.00281	.00020	-.00024	.12566	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00041**	W **.00932**	**.00139**	**-.00074**	F **.02375**	**.05083**	**-.00068**	**-.00014**	W **.00290**
Stddev	.00084	.00053	.00012	.00075	.00077	.01387	.02968	.00022	.00008	.00054
%RSD	96.577	129.23	1.2624	53.706	103.82	58.402	58.402	32.129	57.847	18.633
#1	.00146	.00004	.00940	.00086	-.00020	.03356	.07182	-.00053	-.00008	.00252
#2	.00028	.00079	.00924	.00191	-.00129	.01394	.02984	-.00083	-.00019	.00329
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.00500			.01000				.00000
Low Limit			-.00500			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00002**	**-.04784**	**-.00002**	**.00287**	**-.00045**
Stddev	.00027	.00074	.00785	.00032	.00015	.00039
%RSD	145.19	3889.7	16.417	1761.6	5.3768	87.802
#1	-.00038	.00054	-.05339	-.00024	.00276	-.00017
#2	.00000	-.00050	-.04228	.00021	.00298	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7199.0**	**81818.**	**6796.7**
Stddev	3.8	61.	28.7
%RSD	.05293	.07440	.42179
#1	7201.7	81861.	6776.4
#2	7196.3	81775.	6816.9

Sample Name: lcs 280-200656/2-a Acquired: 11/14/2013 22:23:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05056**	**2.0017**	**1.0294**	**1.0485**	**2.0305**	**.04827**	**2.1237**	**46.479**	**.09805**	**.49146**
Stddev	.00016	.0010	.0012	.0004	.0033	.00007	.0031	.072	.00016	.00059
%RSD	.31591	.04993	.11140	.03741	.16346	.14479	.14692	.15531	.16144	.11976
#1	.05045	2.0024	1.0302	1.0488	2.0328	.04822	2.1215	46.530	.09816	.49188
#2	.05067	2.0009	1.0286	1.0482	2.0282	.04832	2.1259	46.428	.09794	.49105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21212**	**.25075**	**1.0301**	**49.168**	**1.0033**	**50.568**	**.48880**	**1.0501**	**51.267**	**.51770**
Stddev	.00016	.00089	.0024	.010	.0010	.040	.00080	.0004	.052	.00159
%RSD	.07320	.35479	.23155	.02037	.09614	.07854	.16425	.03606	.10137	.30776
#1	.21201	.25012	1.0284	49.175	1.0026	50.540	.48823	1.0499	51.304	.51657
#2	.21223	.25138	1.0318	49.161	1.0040	50.596	.48937	1.0504	51.230	.51882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.499**	**.47020**	**-.00146**	**.50747**	**2.0811**	**10.320**	**22.085**	**2.0476**	**.99443**	**1.0081**
Stddev	.000	.00008	.00026	.00413	.0017	.095	.204	.0032	.00080	.0036
%RSD	.00284	.01739	17.651	.81477	.08318	.92392	.92392	.15548	.08032	.35696
#1	10.499	.47014	-.00164	.50455	2.0824	10.388	22.230	2.0454	.99500	1.0106
#2	10.498	.47026	-.00128	.51040	2.0799	10.253	21.941	2.0499	.99387	1.0055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0239**	**1.9215**	F **3.2792**	**.48976**	**.49844**	**.48929**
Stddev	.0017	.0006	.0531	.00134	.00319	.00828
%RSD	.16257	.03109	1.6180	.27280	.64004	1.6921
#1	1.0227	1.9211	3.2417	.48882	.49618	.49514
#2	1.0251	1.9219	3.3167	.49071	.50069	.48343
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6920.1**	**78769.**	**6750.5**
Stddev	11.6	402.	32.0
%RSD	.16789	.51002	.47396
#1	6928.3	79053.	6773.1
#2	6911.9	78485.	6727.9

Sample Name: 280-49106-c-1-a Acquired: 11/14/2013 22:25:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.14783**	**-.00219**	**.04556**	**1.1107**	**.00005**	**-.00153**	**5.0286**	**-.00020**	**-.00032**
Stddev	.00023	.00070	.00273	.00029	.0043	.00005	.00138	.0323	.00019	.00027
%RSD	29.162	.47633	124.73	.62740	.38534	94.684	90.202	.64239	96.308	85.455
#1	-.00063	.14733	-.00413	.04576	1.1077	.00008	-.00250	5.0058	-.00006	-.00051
#2	-.00095	.14832	-.00026	.04535	1.1138	.00002	-.00055	5.0515	-.00033	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**.00016**	**2.8835**	**5.2975**	**.04785**	**1.6963**	**.04512**	**.00662**	W **744.80**	**.00182**
Stddev	.00010	.00036	.0137	.0236	.00150	.0063	.00007	.00001	3.16	.00020
%RSD	7.8416	222.98	.47489	.44507	3.1340	.37305	.15388	.12145	.42460	10.692
#1	.00117	.00041	2.8931	5.3142	.04891	1.7008	.04517	.00661	742.57	.00169
#2	.00131	-.00009	2.8738	5.2808	.04679	1.6918	.04508	.00662	747.04	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14313**	**-.00066**	**.42521**	**-.00004**	**.00319**	**8.2530**	**17.661**	**-.00060**	**.68561**	**.00312**
Stddev	.00034	.00040	.00291	.00242	.00116	.0573	.123	.00080	.00307	.00193
%RSD	.23953	61.321	.68512	5994.5	36.425	.69416	.69416	133.73	.44808	61.854
#1	.14337	-.00095	.42727	-.00175	.00237	8.2935	17.748	-.00003	.68344	.00448
#2	.14288	-.00037	.42315	.00167	.00401	8.2125	17.575	-.00117	.68778	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	**.00131**	W **-.05655**	**.00085**	**.00498**	**.00068**
Stddev	.00036	.00017	.00123	.00024	.00038	.00033
%RSD	13.895	13.220	2.1750	28.086	7.6418	48.392
#1	.00233	.00144	-.05568	.00102	.00471	.00044
#2	.00284	.00119	-.05741	.00068	.00525	.00091
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6654.7**	**74249.**	**6579.2**
Stddev	20.1	394.	31.7
%RSD	.30192	.53033	.48240
#1	6640.5	73971.	6601.7
#2	6668.9	74527.	6556.8

Sample Name: 280-49067-e-6-a Acquired: 11/14/2013 22:28:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.15344**	**-.00022**	**.18252**	**.05821**	**-.00003**	**-.00021**	**45.538**	**.00025**	**-.00003**
Stddev	.00018	.00060	.00047	.00012	.00047	.00005	.00026	.024	.00011	.00020
%RSD	20.369	.38984	211.23	.06803	.80703	167.06	123.54	.05174	45.698	655.11
#1	-.00077	.15386	.00011	.18261	.05855	.00001	-.00039	45.521	.00017	.00011
#2	-.00103	.15302	-.00056	.18244	.05788	-.00007	-.00003	45.555	.00032	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00828**	**1.1377**	**49.857**	**.01959**	**12.419**	**.12223**	**.00155**	**86.414**	**.00420**
Stddev	.00007	.00045	.0089	.087	.00041	.024	.00011	.00014	.209	.00016
%RSD	8.3881	5.4529	.78571	.17379	2.0930	.19333	.08862	9.3695	.24176	3.8571
#1	.00089	.00796	1.1313	49.795	.01930	12.436	.12230	.00165	86.562	.00409
#2	.00079	.00860	1.1440	49.918	.01988	12.402	.12215	.00144	86.266	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27885**	**.00093**	**24.832**	**.00122**	**.00050**	**4.9991**	**10.698**	**-.00057**	**.29710**	**.00041**
Stddev	.00004	.00054	.057	.00014	.00233	.0341	.073	.00001	.00017	.00055
%RSD	.01295	57.640	.22954	11.111	469.96	.68169	.68169	1.4625	.05642	132.61
#1	.27883	.00055	24.872	.00112	.00215	4.9750	10.646	-.00057	.29698	.00003
#2	.27888	.00131	24.791	.00131	-.00115	5.0232	10.750	-.00056	.29722	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00030**	**-.03019**	**.00067**	**.04383**	**.00141**
Stddev	.00066	.00048	.02395	.00009	.00004	.00023
%RSD	68.166	160.99	79.318	13.236	.08953	16.654
#1	.00050	-.00004	-.01326	.00073	.04380	.00157
#2	.00144	.00064	-.04712	.00060	.04386	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.2**	**79050.**	**6696.1**
Stddev	5.0	420.	23.4
%RSD	.07225	.53113	.34933
#1	6964.8	78753.	6712.7
#2	6957.7	79347.	6679.6

Sample Name: 280-49092-b-1-a Acquired: 11/14/2013 22:30:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.05966**	**.00397**	**.14285**	**.05025**	**-.00005**	**-.00290**	**61.206**	**.00011**	**-.00017**
Stddev	.00016	.00013	.00206	.00017	.00035	.00004	.00187	.206	.00001	.00018
%RSD	16.765	.22239	51.797	.12089	.69451	77.699	64.549	.33635	8.1018	107.65
#1	-.00086	.05956	.00543	.14273	.05050	-.00007	-.00158	61.352	.00010	-.00030
#2	-.00109	.05975	.00252	.14297	.05000	-.00002	-.00423	61.061	.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00224**	**.00418**	**.05430**	**8.0395**	**.01847**	**10.696**	**.02606**	**.00440**	**72.852**	**.04512**
Stddev	.00013	.00019	.00061	.0492	.00276	.019	.00002	.00009	.458	.00079
%RSD	5.9415	4.6619	1.1277	.61230	14.925	.17410	.09445	2.1452	.62932	1.7421
#1	.00233	.00404	.05473	8.0743	.01653	10.709	.02608	.00433	72.528	.04457
#2	.00215	.00432	.05387	8.0047	.02042	10.683	.02605	.00446	73.176	.04568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7368**	**-.00193**	**30.717**	**.00111**	**.00392**	**18.417**	**39.411**	**-.00080**	**.37722**	**.00043**
Stddev	.0015	.00005	.003	.00054	.00111	.093	.199	.00030	.00145	.00101
%RSD	.08594	2.7973	.00977	48.756	28.336	.50574	.50574	37.014	.38440	233.74
#1	1.7357	-.00197	30.715	.00073	.00314	18.482	39.552	-.00101	.37825	.00114
#2	1.7378	-.00190	30.719	.00150	.00471	18.351	39.270	-.00059	.37620	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00112**	**-.01617**	**.00531**	**.01543**	**.00120**
Stddev	.00011	.00022	.00368	.00056	.00082	.00261
%RSD	9.5012	19.895	22.774	10.633	5.3080	218.22
#1	.00128	.00096	-.01357	.00571	.01601	.00305
#2	.00111	.00127	-.01877	.00491	.01485	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.6**	**79183.**	**6688.7**
Stddev	1.5	165.	7.5
%RSD	.02143	.20818	.11154
#1	6960.5	79066.	6694.0
#2	6962.6	79299.	6683.4

Sample Name: 280-49105-c-1-a Acquired: 11/14/2013 22:32:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.03009**	**-.00337**	**.22479**	**.58685**	**.00004**	**-.00087**	**2.5174**	**-.00004**	**-.00069**
Stddev	.00031	.00005	.00010	.00027	.00026	.00005	.00154	.0162	.00015	.00011
%RSD	26.459	.16942	2.9139	.12092	.04397	138.88	177.33	.64511	364.68	15.817
#1	-.00094	.03012	-.00331	.22498	.58667	.00007	-.00196	2.5289	.00006	-.00076
#2	-.00138	.03005	-.00344	.22460	.58703	.00000	.00022	2.5059	-.00014	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00006**	**.66013**	**3.1858**	**.12487**	**.58507**	**.01061**	**.00043**	W **551.81**	**.00065**
Stddev	.00008	.00035	.00166	.0664	.00189	.00178	.00003	.00002	1.20	.00007
%RSD	9.2071	555.51	.25134	2.0848	1.5160	.30464	.32933	4.4807	.21684	11.471
#1	.00098	.00031	.66130	3.1388	.12621	.58633	.01059	.00042	550.97	.00070
#2	.00086	-.00018	.65896	3.2328	.12353	.58381	.01064	.00044	552.66	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03250**	**-.00057**	**.15538**	**.00062**	**.00077**	**9.3314**	**19.969**	**-.00070**	**.50542**	**.00184**
Stddev	.00042	.00015	.00120	.00003	.00116	.0341	.073	.00026	.00083	.00078
%RSD	1.2897	26.045	.77132	4.2038	150.81	.36545	.36545	37.586	.16509	42.627
#1	.03220	-.00067	.15454	.00064	.00159	9.3555	20.021	-.00051	.50483	.00239
#2	.03279	-.00046	.15623	.00060	-.00005	9.3073	19.918	-.00088	.50601	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00037**	**-.00737**	**.00000**	**.00505**	**.00111**
Stddev	.00010	.00027	.05077	.0003	.00014	.00279
%RSD	14.357	73.610	688.68	13835.	2.8489	251.80
#1	.00064	.00018	-.04327	.00023	.00495	-.00087
#2	.00078	.00057	.02853	-.00023	.00515	.00308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6696.9**	**75297.**	**6616.0**
Stddev	10.8	415.	21.1
%RSD	.16080	.55082	.31828
#1	6704.5	75003.	6630.8
#2	6689.3	75590.	6601.1

Sample Name: 280-49105-c-1-aSD@5 Acquired: 11/14/2013 22:35:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.01447**	**.00004**	**.04622**	**.11875**	**.00004**	**.00439**	**.52401**	**-.00006**	**-.00028**
Stddev	.00051	.00015	.00139	.00058	.00088	.00001	.00045	.00201	.00004	.00001
%RSD	41.956	1.0362	3756.2	1.2451	.74073	39.542	10.249	.38334	72.055	3.0378
#1	-.00086	.01437	-.00094	.04662	.11813	.00003	.00407	.52543	-.00008	-.00029
#2	-.00159	.01458	.00102	.04581	.11937	.00005	.00471	.52259	-.00003	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00051**	**.14532**	**.72417**	**.02780**	**.11932**	**.00232**	**-.00022**	**109.70**	**-.00002**
Stddev	.00020	.00026	.00102	.00469	.00200	.00487	.00002	.00005	.11	.00001
%RSD	89.362	51.175	.70369	.64720	7.1760	4.0800	.64920	21.837	.09773	78.186
#1	.00037	-.00069	.14460	.72748	.02921	.11588	.00231	-.00025	109.62	-.00003
#2	.00008	-.00033	.14604	.72085	.02639	.12277	.00233	-.00018	109.77	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00575**	**-.00079**	**.03360**	**.00046**	**-.00051**	**1.8697**	**4.0012**	**.00126**	**.10118**	**.00330**
Stddev	.00028	.00049	.00119	.00007	.00335	.0202	.0432	.00042	.00008	.00115
%RSD	4.7929	61.243	3.5281	14.416	654.93	1.0800	1.0800	33.245	.08361	34.864
#1	.00556	-.00045	.03443	.00050	-.00288	1.8554	3.9706	.00156	.10112	.00411
#2	.00595	-.00114	.03276	.00041	.00186	1.8840	4.0317	.00097	.10124	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00130**	**-.03434**	**.00032**	**.00514**	**-.00074**
Stddev	.00016	.00075	.01241	.00003	.00000	.00007
%RSD	142.78	57.952	36.149	8.8254	.04902	9.4142
#1	-.00023	.00183	-.04312	.00030	.00513	-.00079
#2	.00000	.00077	-.02556	.00034	.00514	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.5**	**80096.**	**6701.5**
Stddev	4.0	262.	24.9
%RSD	.05718	.32716	.37159
#1	6997.4	79911.	6719.1
#2	6991.7	80281.	6683.8

Sample Name: 280-49105-c-1-b ms Acquired: 11/14/2013 22:37:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05077**	**1.8944**	**1.0237**	**1.2163**	**2.5166**	**.04560**	F **2.0274**	**46.328**	**.09517**	**.46200**
Stddev	.00080	.0034	.0016	.0029	.0053	.00008	.0059	.107	.00021	.00032
%RSD	1.5800	.18150	.15688	.23959	.20891	.17582	.29079	.23195	.21934	.06833
#1	.05133	1.8920	1.0248	1.2183	2.5203	.04554	2.0316	46.404	.09532	.46178
#2	.05020	1.8969	1.0225	1.2142	2.5129	.04566	2.0233	46.252	.09502	.46223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20336**	**.24000**	**1.6512**	**52.151**	**1.1046**	**47.356**	**.47497**	**1.0030**	W **596.92**	**.49206**
Stddev	.00077	.00047	.0134	.150	.0024	.074	.00068	.0014	.84	.00060
%RSD	.37994	.19571	.80977	.28708	.21554	.15536	.14252	.13579	.14115	.12279
#1	.20391	.23966	1.6606	52.257	1.1063	47.408	.47545	1.0021	597.52	.49248
#2	.20281	.24033	1.6417	52.045	1.1029	47.304	.47449	1.0040	596.33	.49163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.365**	**.43317**	**.08561**	**.49548**	**2.0245**	**19.252**	**41.198**	**1.9428**	**1.4500**	**.96576**
Stddev	.006	.00148	.00142	.00296	.0173	.134	.286	.0075	.0034	.00016
%RSD	.05366	.34158	1.6591	.59803	.85545	.69510	.69510	.38831	.23227	.01632
#1	10.361	.43422	.08460	.49338	2.0122	19.346	41.401	1.9374	1.4524	.96587
#2	10.369	.43213	.08661	.49757	2.0367	19.157	40.996	1.9481	1.4476	.96565
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98206**	**1.7022**	**3.0314**	**.46706**	**.48758**	**.46188**
Stddev	.00055	.0060	.1042	.00152	.00190	.00038
%RSD	.05596	.35524	3.4382	.32620	.39024	.08157
#1	.98167	1.6979	2.9577	.46813	.48623	.46161
#2	.98245	1.7064	3.1051	.46598	.48892	.46215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6651.0**	**75081.**	**6717.2**
Stddev	20.2	389.	61.5
%RSD	.30381	.51807	.91594
#1	6665.3	74806.	6673.7
#2	6636.7	75356.	6760.7

Sample Name: 280-49105-c-1-c msd Acquired: 11/14/2013 22:39:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05200**	**1.9291**	**1.0491**	**1.2413**	**2.5867**	**.04686**	F **2.0726**	**47.736**	**.09749**	**.47266**
Stddev	.00023	.0075	.0015	.0070	.0004	.00003	.0177	.084	.00082	.00100
%RSD	.44010	.38681	.14149	.56036	.01417	.05954	.85499	.17687	.83889	.21186
#1	.05216	1.9344	1.0481	1.2364	2.5869	.04684	2.0601	47.796	.09691	.47337
#2	.05184	1.9239	1.0502	1.2462	2.5864	.04688	2.0851	47.676	.09807	.47195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20761**	**.24684**	**1.6763**	**53.878**	**1.1386**	**48.749**	**.48938**	**1.0217**	W **606.27**	**.50216**
Stddev	.00115	.00049	.0058	.013	.0011	.149	.00073	.0007	.20	.00216
%RSD	.55224	.19780	.34803	.02450	.09800	.30648	.14938	.06485	.03335	.43099
#1	.20680	.24650	1.6804	53.868	1.1394	48.854	.48990	1.0222	606.12	.50063
#2	.20842	.24719	1.6722	53.887	1.1378	48.643	.48887	1.0213	606.41	.50369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.606**	**.44402**	**.08294**	**.50403**	**2.0698**	**19.731**	**42.224**	**1.9680**	**1.4883**	**.99559**
Stddev	.006	.00052	.00045	.00145	.0055	.190	.406	.0035	.0014	.00081
%RSD	.05571	.11765	.54476	.28858	.26357	.96079	.96079	.17819	.09762	.08104
#1	10.610	.44365	.08326	.50300	2.0737	19.597	41.937	1.9704	1.4893	.99616
#2	10.602	.44439	.08262	.50506	2.0659	19.865	42.511	1.9655	1.4873	.99502
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0051**	**1.7374**	**3.1477**	**.48249**	**.49944**	**.47247**
Stddev	.0001	.0051	.0313	.00055	.00037	.00451
%RSD	.00823	.29321	.99475	.11474	.07331	.95421
#1	1.0052	1.7410	3.1698	.48210	.49970	.46928
#2	1.0051	1.7338	3.1255	.48289	.49918	.47565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6628.8**	**74579.**	**6686.3**
Stddev	5.1	118.	18.0
%RSD	.07679	.15810	.26861
#1	6632.4	74495.	6673.6
#2	6625.2	74662.	6699.0

Sample Name: CCVH-2372891 Acquired: 11/14/2013 22:42:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00657**	**48.910**	**-.00355**	**.00482**	**.00105**	**-.00002**	W **1.0638**	**.02651**	**.00071**	**-.00112**	**.00023**	**-.00617**
Stddev	.00024	.076	.00075	.00077	.00007	.00003	.0008	.00473	.00007	.00003	.00014	.00062
%RSD	3.7015	.15467	21.005	15.911	6.7506	119.44	.07556	17.849	9.9194	2.7089	61.210	10.074
#1	-.00674	48.964	-.00408	.00537	.00100	-.00005	1.0644	.02985	.00066	-.00114	.00033	-.00573
#2	-.00640	48.857	-.00302	.00428	.00111	.00000	1.0632	.02316	.00075	-.00110	.00013	-.00661
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.157**	**.35852**	**.00346**	**.06440**	**-.00010**	**.00102**	**252.04**	**-.00095**	**.00430**	**-.00140**	**5.0918**	**.00088**
Stddev	.241	.03211	.00110	.00254	.00004	.00001	.10	.00005	.00148	.00074	.0321	.00207
%RSD	.47055	8.9560	31.750	3.9456	39.972	1.2848	.03910	5.3807	34.368	53.163	.63112	234.81
#1	50.986	.33582	.00424	.06620	-.00007	.00103	252.11	-.00091	.00535	-.00192	5.1146	.00234
#2	51.327	.38123	.00269	.06260	-.00012	.00101	251.97	-.00098	.00326	-.00087	5.0691	-.00058
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00281**	**.01188**	**.02543**	**-.00030**	**.00039**	**5.0864**	**.01258**	**.00251**	F **8.2121**	**.00070**	**.00195**	**-.07173**
Stddev	.00254	.00823	.01760	.00025	.00006	.0010	.00021	.00066	.0714	.00040	.00041	.00051
%RSD	90.402	69.221	69.221	82.142	14.154	.02044	1.6523	26.213	.86946	57.808	20.795	.71466
#1	-.00461	.00607	.01298	-.00047	.00043	5.0872	.01273	.00297	8.2625	.00041	.00224	-.07137
#2	-.00101	.01770	.03787	-.00013	.00035	5.0857	.01243	.00204	8.1616	.00099	.00167	-.07209
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6980.9**	**78332.**	**6765.6**
Stddev	16.0	361.	38.3
%RSD	.22924	.46099	.56577
#1	6992.2	78588.	6792.7
#2	6969.5	78077.	6738.6

Sample Name: CCV-2372889 Acquired: 11/14/2013 22:44:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53417**	**.52823**	**1.0354**	**.52280**	**.49927**	**.47107**	**-.01072**	**4.6592**	**.48562**	**.49947**	**.52719**	**.50122**	**2.5747**
Stddev	.00023	.00022	.0007	.00109	.00379	.00567	.00043	.0024	.00016	.00092	.00103	.00101	.0011
%RSD	.04353	.04089	.06967	.20793	.75874	1.2031	3.9699	.05106	.03280	.18333	.19627	.20241	.04397
#1	.53433	.52838	1.0359	.52203	.50194	.47508	-.01042	4.6609	.48551	.49882	.52646	.50194	2.5755
#2	.53400	.52808	1.0349	.52356	.49659	.46706	-.01102	4.6575	.48573	.50012	.52792	.50050	2.5739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.580**	**.97983**	**20.228**	**.49270**	**.52048**	**5.2408**	**.52915**	**1.0318**	**.96292**	**-.00220**	**1.0206**	**1.0585**	**5.0098**
Stddev	.482	.00800	.060	.00110	.00083	.0690	.00010	.0041	.00034	.00241	.0006	.0037	.0486
%RSD	1.0131	.81666	.29685	.22257	.15994	1.3158	.01836	.39559	.03520	109.46	.06045	.34989	.97005
#1	47.921	.98549	20.270	.49347	.51989	5.2896	.52908	1.0289	.96316	-.00390	1.0202	1.0612	5.0442
#2	47.239	.97417	20.185	.49192	.52107	5.1921	.52922	1.0346	.96268	-.00050	1.0211	1.0559	4.9755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.721**	**1.0304**	**.48914**	**.00458**	**.50186**	**1.0025**	**.01608**	**.48016**	**.50406**	**.48450**
Stddev	.104	.0006	.00475	.00090	.00018	.0023	.04645	.00058	.00151	.00287
%RSD	.97005	.05993	.97043	19.565	.03620	.22868	288.95	.11999	.29866	.59224
#1	10.795	1.0308	.49250	.00395	.50173	1.0041	.04893	.47975	.50512	.48653
#2	10.648	1.0300	.48579	.00522	.50199	1.0009	-.01677	.48057	.50299	.48247
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7044.6**	**79609.**	**6721.5**
Stddev	22.6	227.	76.0
%RSD	.32122	.28472	1.1302
#1	7060.6	79449.	6667.7
#2	7028.6	79769.	6775.2

Sample Name: CCB Acquired: 11/14/2013 22:46:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00116**	F **.03108**	**-.00032**	**.00376**	**.00030**	**.00004**	**.00572**	**-.00153**	**.00014**	**.00037**	**.00029**
Stddev	.00008	.00594	.00029	.00081	.00004	.00001	.00111	.00661	.00012	.00009	.00009
%RSD	6.9602	19.096	90.594	21.455	13.509	17.205	19.382	432.20	87.685	23.358	31.123
#1	-.00121	.02689	-.00053	.00433	.00027	.00005	.00494	.00314	.00005	.00043	.00023
#2	-.00110	.03528	-.00012	.00319	.00033	.00004	.00650	-.00620	.00023	.00031	.00035
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093	.03100									
Low Limit	-.00093	-.03100									

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**-.00087**	**.17143**	W **.00299**	**.00298**	**.00003**	**.00076**	F **.25807**	**.00052**	**.00485**	**.00058**
Stddev	.00019	.00153	.01549	.00144	.00118	.00001	.00016	.00861	.00065	.00344	.00028
%RSD	30.670	175.28	9.0359	48.183	39.464	41.306	21.407	3.3376	125.53	70.764	48.002
#1	-.00048	.00021	.16048	.00400	.00382	.00004	.00064	.25198	.00006	.00243	.00038
#2	-.00074	-.00195	.18239	.00197	.00215	.00002	.00087	.26416	.00097	.00728	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	F **.00789**	**.00355**	**-.00746**	**-.01595**	**.00089**	**-.00020**	**.00213**	**.00005**	**.00070**	**-.01639**
Stddev	.00298	.00231	.00231	.01292	.02765	.00004	.00004	.00090	.00016	.00083	.03675
%RSD	29.416	29.275	64.960	173.29	173.29	4.6943	22.776	42.410	310.51	118.05	224.20
#1	.00803	.00953	.00192	.00168	.00360	.00086	-.00016	.00276	.00016	.00012	-.04238
#2	.01225	.00626	.00519	-.01659	-.03551	.00092	-.00023	.00149	-.00006	.00129	.00959
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00015**	**.00291**	**-.00064**
Stddev	.00018	.00022	.00030
%RSD	115.81	7.5597	46.303
#1	-.00003	.00307	-.00043
#2	-.00028	.00276	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7014.4**	**80244.**	**6570.2**
Stddev	17.9	63.	46.9
%RSD	.25452	.07877	.71375
#1	7001.8	80289.	6603.4
#2	7027.0	80199.	6537.0

Sample Name: CCVL2379751 Acquired: 11/14/2013 22:48:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.10837**	**.01480**	**.10507**	**.01036**	**.00099**	**.11368**	**.19319**	**.00474**	**.01010**	**.01060**	**.01407**	**.10465**	**3.0005**
Stddev	.00070	.00037	.00064	.00013	.00004	.00002	.00249	.00200	.00015	.00008	.00013	.00023	.00008	.0011
%RSD	7.1129	.33924	4.3165	.12307	.40297	2.2019	2.1906	1.0345	3.2586	.82342	1.2098	1.6077	.07824	.03792
#1	.01028	.10811	.01525	.10516	.01039	.00097	.11192	.19460	.00463	.01004	.01051	.01391	.10471	3.0013
#2	.00930	.10863	.01435	.10498	.01033	.00100	.11544	.19178	.00485	.01016	.01069	.01423	.10459	2.9997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00935**	**.20813**	**.01005**	**.02013**	**1.2024**	**.04348**	**3.0266**	**.00843**	**.00283**	**.01142**	**.01611**	**.51405**	**1.1001**	**.10525**
Stddev	.00103	.00361	.00002	.00030	.0090	.00045	.0047	.00048	.00074	.00101	.00157	.00407	.0087	.00074
%RSD	10.977	1.7343	.24777	1.4847	.75143	1.0396	.15423	5.6755	26.156	8.8276	9.7337	.79097	.79097	.70759
#1	.00862	.20558	.01007	.01992	1.1960	.04316	3.0299	.00809	.00230	.01070	.01500	.51693	1.1062	.10472
#2	.01008	.21068	.01003	.02034	1.2087	.04380	3.0232	.00876	.00335	.01213	.01722	.51118	1.0939	.10578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.01468**	**.00961**	**.01637**	**.05964**	**.00959**	**.02442**	**.01664**
Stddev	.00025	.00216	.00031	.00115	.03430	.00005	.00052	.00205
%RSD	2.5473	14.729	3.2208	7.0065	57.506	.48410	2.1352	12.304
#1	.00967	.01620	.00939	.01718	.03539	.00956	.02478	.01809
#2	.01002	.01315	.00983	.01556	.08389	.00962	.02405	.01519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7194.7**	**81654.**	**6683.5**
Stddev	2.1	42.	56.5
%RSD	.02900	.05113	.84562
#1	7193.2	81625.	6723.5
#2	7196.1	81684.	6643.6

Sample Name: 48901-9 Acquired: 11/14/2013 22:51:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: K DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.01560**	**.00035**	**.42450**	**.04513**	**.00004**	**.00553**	**102.55**	**.00053**	**.00013**
Stddev	.00025	.00047	.00257	.00057	.00003	.00002	.00163	.02	.00015	.00006
%RSD	32.585	3.0174	739.44	.13419	.05649	45.566	29.493	.02207	29.168	43.848
#1	-.00059	.01527	-.00147	.42410	.04511	.00006	.00437	102.57	.00064	.00017
#2	-.00095	.01593	.00216	.42490	.04515	.00003	.00668	102.54	.00042	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00050**	**.10771**	**10.417**	**.04389**	**49.039**	**.06295**	**.00519**	**167.13**	**.00139**
Stddev	.00017	.00009	.00425	.004	.00160	.260	.00015	.00011	.62	.00023
%RSD	85.651	18.436	3.9479	.03416	3.6541	.53028	.24468	2.1199	.37197	16.319
#1	.00008	.00057	.11072	10.420	.04276	49.223	.06306	.00527	166.69	.00155
#2	.00032	.00044	.10471	10.415	.04503	48.855	.06284	.00511	167.57	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00861**	**-.00086**	**135.11**	**.00088**	**-.00066**	**7.1308**	**15.260**	**.00004**	**4.1063**	**.00178**
Stddev	.00059	.00013	.10	.00234	.00310	.1059	.227	.00057	.0056	.00048
%RSD	6.8107	15.150	.07620	264.72	470.17	1.4854	1.4854	1326.9	.13626	27.137
#1	.00820	-.00076	135.18	.00254	.00153	7.2057	15.420	-.00036	4.1023	.00144
#2	.00903	-.00095	135.03	-.00077	-.00285	7.0559	15.100	.00044	4.1102	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00264**	**-.02617**	**.00049**	**.00399**	**.00085**
Stddev	.00013	.00094	.01097	.00001	.00005	.00158
%RSD	83.362	35.651	41.923	2.4905	1.3297	184.99
#1	.00025	.00331	-.01841	.00050	.00395	.00197
#2	.00007	.00198	-.03392	.00048	.00402	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.8**	**78438.**	**6718.9**
Stddev	9.0	372.	28.8
%RSD	.12975	.47434	.42818
#1	6912.1	78175.	6698.5
#2	6899.4	78701.	6739.2

Sample Name: 280-49105-c-2-a Acquired: 11/14/2013 22:53:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.37772**	**-.00094**	**.22637**	**.51819**	**.00004**	**-.00030**	**3.4568**	**-.00017**	**-.00072**
Stddev	.00044	.00378	.00225	.00068	.00092	.00006	.00080	.0082	.00002	.00011
%RSD	51.934	1.0010	238.66	.30056	.17680	151.15	270.21	.23834	12.683	14.749
#1	-.00053	.37505	.00065	.22686	.51754	.00008	-.00086	3.4510	-.00016	-.00079
#2	-.00115	.38039	-.00253	.22589	.51884	.00000	.00027	3.4626	-.00019	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00069**	**.70271**	**3.4097**	**.13331**	**.85851**	**.02063**	**.00087**	W **583.04**	**.00059**
Stddev	.00018	.00031	.00250	.0775	.00201	.00437	.00003	.00011	.28	.00027
%RSD	15.322	45.110	.35628	2.2745	1.5064	.50955	.13566	12.190	.04819	46.634
#1	.00132	.00091	.70094	3.3548	.13189	.86160	.02061	.00095	583.24	.00078
#2	.00106	.00047	.70448	3.4645	.13473	.85541	.02065	.00080	582.84	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04017**	**.00023**	**.22391**	**.00027**	**.00242**	**9.1107**	**19.497**	**-.00032**	**.55772**	**.00055**
Stddev	.00153	.00046	.00988	.00071	.00165	.0625	.134	.00041	.00013	.00032
%RSD	3.8007	203.16	4.4127	262.63	68.175	.68572	.68572	129.14	.02273	58.413
#1	.04125	.00056	.23089	.00077	.00358	9.0666	19.402	-.00003	.55763	.00032
#2	.03909	-.00010	.21692	-.00023	.00125	9.1549	19.592	-.00061	.55781	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**.00077**	W **-.06990**	**.00088**	**.00582**	**.00000**
Stddev	.00029	.00040	.00082	.00044	.00038	.00166
%RSD	4.1373	52.326	1.1786	49.425	6.5647	45032.
#1	.00721	.00106	-.06931	.00057	.00609	.00118
#2	.00680	.00049	-.07048	.00119	.00555	-.00117
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6623.8**	**74491.**	**6631.5**
Stddev	19.1	182.	23.7
%RSD	.28861	.24402	.35798
#1	6637.4	74363.	6648.3
#2	6610.3	74620.	6614.7

Sample Name: 280-49105-c-3-a Acquired: 11/14/2013 22:55:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.35810**	**-.00109**	**.22445**	**.51347**	**.00003**	**.00086**	**3.4405**	**-.00015**	**-.00043**
Stddev	.00029	.00218	.00213	.00069	.00061	.00003	.00028	.0192	.00030	.00015
%RSD	68.995	.60861	195.11	.30930	.11946	93.899	32.012	.55663	198.98	34.338
#1	-.00022	.35656	-.00260	.22494	.51390	.00001	.00067	3.4541	-.00037	-.00053
#2	-.00063	.35964	.00042	.22396	.51304	.00006	.00106	3.4270	.00006	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00076**	**.68294**	**3.4468**	**.13114**	**.83776**	**.01999**	**.00079**	W **579.55**	**.00179**
Stddev	.00017	.00032	.00185	.0652	.00233	.00208	.00003	.00018	1.00	.00017
%RSD	13.231	41.315	.27056	1.8922	1.7755	.24862	.16118	22.679	.17206	9.4219
#1	.00140	.00099	.68425	3.4007	.13278	.83923	.02001	.00066	578.85	.00191
#2	.00116	.00054	.68163	3.4929	.12949	.83628	.01997	.00091	580.26	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03919**	**-.00131**	**.21462**	**.00192**	**-.00060**	**9.0422**	**19.350**	**-.00129**	**.55339**	**.00202**
Stddev	.00129	.00050	.00141	.00166	.00023	.0043	.009	.00033	.00025	.00175
%RSD	3.2984	38.135	.65818	86.637	39.288	.04790	.04790	25.599	.04595	86.392
#1	.04011	-.00166	.21562	.00074	-.00043	9.0392	19.344	-.00106	.55357	.00326
#2	.03828	-.00096	.21362	.00310	-.00076	9.0453	19.357	-.00153	.55321	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**.00008**	**-.01982**	**.00141**	**.00636**	**.00068**
Stddev	.00059	.00050	.01773	.00012	.00012	.00029
%RSD	8.9373	605.02	89.474	8.2490	1.9253	42.577
#1	.00697	-.00027	-.03235	.00132	.00627	.00088
#2	.00614	.00043	-.00728	.00149	.00644	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6652.9**	**74948.**	**6573.8**
Stddev	36.7	303.	82.6
%RSD	.55163	.40483	1.2559
#1	6678.8	74733.	6515.4
#2	6626.9	75163.	6632.2

Sample Name: 280-49105-c-4-a Acquired: 11/14/2013 22:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**8.7180**	**-.00061**	**.20835**	**.19941**	**.00032**	**-.00277**	**6.9564**	**.00019**	**.00095**
Stddev	.00025	.0763	.00034	.00086	.00021	.00003	.00077	.0407	.00022	.00013
%RSD	18.662	.87558	55.972	.41448	.10500	8.3656	27.646	.58531	114.27	13.845
#1	-.00115	8.6640	-.00037	.20896	.19926	.00034	-.00331	6.9276	.00004	.00104
#2	-.00150	8.7720	-.00085	.20774	.19956	.00031	-.00223	6.9852	.00034	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00783**	**.00778**	**6.8728**	**4.9723**	**.12455**	**2.7812**	**.09446**	**.00119**	W **576.99**	**.00452**
Stddev	.00010	.00002	.0035	.0639	.00091	.0142	.00030	.00011	3.27	.00042
%RSD	1.2588	.31336	.05055	1.2857	.73062	.50999	.31272	9.2258	.56651	9.3721
#1	.00790	.00777	6.8704	4.9271	.12390	2.7912	.09466	.00111	574.68	.00482
#2	.00776	.00780	6.8753	5.0175	.12519	2.7711	.09425	.00127	579.31	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26675**	**.00192**	**.29399**	**.00015**	**-.00097**	**22.487**	**48.122**	**-.00051**	**.36434**	**.00470**
Stddev	.00109	.00083	.00270	.00152	.00293	.000	.000	.00043	.00258	.00027
%RSD	.40703	43.067	.91677	1034.0	301.94	.00081	.00081	82.939	.70731	5.6739
#1	.26752	.00250	.29209	-.00093	-.00304	22.487	48.122	-.00082	.36252	.00451
#2	.26598	.00133	.29590	.00122	.00110	22.487	48.122	-.00021	.36616	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07456**	**.00054**	**-.01959**	**.01310**	**.02395**	**.00186**
Stddev	.00058	.00008	.00165	.00039	.00071	.00140
%RSD	.77261	15.184	8.4228	3.0091	2.9689	75.496
#1	.07415	.00048	-.02076	.01282	.02345	.00087
#2	.07497	.00060	-.01842	.01338	.02446	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6817.8**	**75406.**	**6656.4**
Stddev	24.9	107.	1.2
%RSD	.36521	.14238	.01814
#1	6800.2	75482.	6655.5
#2	6835.4	75330.	6657.2

Sample Name: 280-49105-c-5-a Acquired: 11/14/2013 23:00:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.02371**	**-.00203**	**.02356**	**.15239**	**.00009**	**.00131**	**215.14**	**.00072**	**.00002**
Stddev	.00084	.00018	.00104	.00052	.00076	.00006	.00061	2.27	.00011	.00011
%RSD	78.376	.75656	51.541	2.2194	.50179	66.452	46.582	1.0554	14.846	458.82
#1	-.00048	.02358	-.00276	.02319	.15185	.00013	.00088	213.53	.00079	.00010
#2	-.00167	.02384	-.00129	.02393	.15293	.00005	.00174	216.74	.00064	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00053**	**.11799**	**1.9736**	**.01172**	**53.919**	**.00440**	**.00131**	**82.340**	**.00102**
Stddev	.00004	.00037	.00024	.0147	.00100	.100	.00012	.00001	1.604	.00011
%RSD	49.849	70.931	.20677	.74292	8.5527	.18453	2.7687	.63640	1.9478	11.201
#1	.00005	-.00079	.11781	1.9633	.01243	53.849	.00432	.00132	81.206	.00110
#2	.00011	-.00026	.11816	1.9840	.01101	53.990	.00449	.00130	83.475	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02261**	**-.00138**	**7.7931**	**.00045**	**.00254**	**7.4330**	**15.907**	**-.00029**	**3.4536**	**.00393**
Stddev	.00120	.00000	.0194	.00244	.00123	.1194	.256	.00063	.0163	.00035
%RSD	5.3134	.27723	.24862	544.19	48.188	1.6068	1.6068	216.94	.47055	8.9538
#1	.02346	-.00138	7.7794	-.00128	.00341	7.3486	15.726	-.00073	3.4421	.00369
#2	.02176	-.00138	7.8068	.00217	.00168	7.5175	16.087	.00015	3.4651	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00027**	**-.04055**	**.00121**	**.00567**	**.00058**
Stddev	.00015	.00052	.00185	.00000	.00005	.00074
%RSD	1382.1	195.52	4.5507	.05132	.81573	127.15
#1	.00012	.00064	-.04186	.00121	.00571	.00006
#2	-.00010	-.00010	-.03925	.00121	.00564	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6650.1**	**75631.**	**6586.7**
Stddev	4.9	40.	22.5
%RSD	.07388	.05290	.34129
#1	6646.6	75602.	6602.6
#2	6653.5	75659.	6570.8

Sample Name: 280-49105-c-6-a Acquired: 11/14/2013 23:03:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.60167**	**-.00403**	**.02123**	**.14530**	**.00003**	**.00017**	**185.59**	**.00056**	**.00040**
Stddev	.00012	.00029	.00249	.00055	.00053	.00000	.00276	.42	.00001	.00008
%RSD	8.4136	.04875	61.650	2.6123	.36260	10.054	1607.4	.22546	1.0849	20.834
#1	-.00147	.60188	-.00227	.02084	.14493	.00003	-.00178	185.30	.00056	.00034
#2	-.00130	.60146	-.00579	.02162	.14567	.00003	.00212	185.89	.00055	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00070**	**1.0995**	**1.7768**	**.00797**	**48.643**	**.08688**	**.00199**	**84.683**	**.00114**
Stddev	.00013	.00018	.0123	.0326	.00249	.196	.00045	.00002	.179	.00014
%RSD	16.246	26.469	1.1169	1.8334	31.267	.40352	.52311	1.1570	.21114	12.332
#1	.00070	.00083	1.0908	1.7538	.00621	48.504	.08656	.00201	84.810	.00104
#2	.00089	.00057	1.1082	1.7998	.00973	48.782	.08720	.00197	84.557	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02962**	**-.00158**	**8.5674**	**.00115**	**.00229**	**7.9138**	**16.936**	**-.00041**	**3.1064**	**.00146**
Stddev	.00060	.00056	.0267	.00237	.00368	.0454	.097	.00011	.0075	.00176
%RSD	2.0313	35.346	.31166	206.92	160.67	.57348	.57348	27.443	.24272	120.26
#1	.03004	-.00119	8.5863	.00282	-.00031	7.8818	16.867	-.00033	3.1010	.00022
#2	.02919	-.00198	8.5485	-.00053	.00490	7.9459	17.004	-.00049	3.1117	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01757**	**.00140**	**-.01187**	**.00187**	**.00525**	**-.00183**
Stddev	.00036	.00021	.01241	.00034	.00028	.00022
%RSD	2.0754	15.011	104.54	18.217	5.3231	12.273
#1	.01731	.00155	-.02065	.00163	.00544	-.00198
#2	.01783	.00125	-.00310	.00211	.00505	-.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6733.2**	**76766.**	**6630.0**
Stddev	3.1	526.	15.7
%RSD	.04650	.68529	.23608
#1	6731.0	77138.	6641.1
#2	6735.4	76394.	6618.9

Sample Name: 280-49105-c-7-a Acquired: 11/14/2013 23:05:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.01683**	**-.00395**	**.01805**	**.08685**	**.00000**	**.00027**	**101.03**	**.00039**	**-.00020**
Stddev	.00038	.00029	.00181	.00022	.00005	.0000	.00163	.09	.00018	.00000
%RSD	39.480	1.7493	45.710	1.2253	.05978	2468.8	597.14	.08474	45.285	.17507
#1	-.00122	.01704	-.00268	.01789	.08689	-.00003	.00142	101.09	.00027	-.00020
#2	-.00069	.01662	-.00523	.01820	.08682	.00002	-.00088	100.97	.00052	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00029**	**.33569**	**1.1600**	**.00490**	**28.490**	**.08283**	**.00003**	**46.563**	**.00018**
Stddev	.00012	.00013	.00084	.0044	.00198	.178	.00055	.00003	.255	.00025
%RSD	248.04	45.197	.24975	.37735	40.346	.62368	.66401	88.123	.54744	139.85
#1	.00004	-.00020	.33628	1.1569	.00630	28.616	.08322	.00005	46.383	.00035
#2	-.00013	-.00038	.33510	1.1631	.00350	28.364	.08244	.00001	46.743	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02048**	**-.00074**	**21.411**	**.00047**	**.00106**	**5.8407**	**12.499**	**-.00025**	**1.8868**	**.00312**
Stddev	.00126	.00076	.043	.00236	.00319	.0006	.001	.00036	.0035	.00120
%RSD	6.1497	102.40	.20023	499.40	301.08	.01071	.01071	142.44	.18479	38.515
#1	.01959	-.00020	21.381	-.00120	.00332	5.8402	12.498	.00000	1.8844	.00397
#2	.02137	-.00128	21.441	.00214	-.00120	5.8411	12.500	-.00051	1.8893	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00185**	**-.04144**	**.00037**	**.00507**	**-.00077**
Stddev	.00023	.00044	.01532	.00012	.00004	.00136
%RSD	336.36	23.850	36.969	31.036	.71038	175.77
#1	-.00009	.00216	-.05227	.00029	.00504	-.00174
#2	.00023	.00153	-.03061	.00046	.00509	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6815.8**	**78427.**	**6659.4**
Stddev	1.2	354.	7.6
%RSD	.01714	.45137	.11468
#1	6816.6	78177.	6654.0
#2	6815.0	78677.	6664.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 23:07:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00647**	**48.300**	**-.00186**	**.00036**	**.00066**	**.00001**	**1.0437**	**.02670**	**.00072**	**-.00098**	**.00028**	**-.00636**	**50.464**
Stddev	.00079	.170	.00265	.00047	.00003	.00003	.0087	.00530	.00003	.00015	.00000	.00036	.059
%RSD	12.207	.35294	142.66	129.24	4.7780	271.47	.83104	19.844	3.4848	15.215	1.0519	5.5975	.11709
#1	-.00702	48.420	.00002	.00070	.00068	.00003	1.0498	.03044	.00074	-.00109	.00028	-.00661	50.422
#2	-.00591	48.179	-.00373	.00003	.00064	-.00001	1.0376	.02295	.00070	-.00088	.00028	-.00610	50.505
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21730**	**.00132**	**.05781**	**-.00009**	**.00039**	**248.59**	**-.00108**	**.00317**	**-.00158**	**4.9781**	**-.00017**	**-.00243**	**.00563**
Stddev	.02251	.00059	.00213	.00002	.00010	.51	.00038	.00076	.00143	.0155	.00159	.00100	.00612
%RSD	10.358	44.582	3.6822	18.873	25.343	.20670	34.880	23.828	90.718	.31151	948.08	40.886	108.61
#1	.20138	.00090	.05630	-.00010	.00032	248.96	-.00135	.00264	-.00259	4.9891	.00096	-.00314	.00131
#2	.23321	.00173	.05931	-.00008	.00046	248.23	-.00082	.00371	-.00057	4.9671	-.00130	-.00173	.00996
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01205**	**-.00043**	**.00024**	**5.0434**	**.01254**	**.00219**	F **8.1209**	**.00098**	**.00219**	**-.07367**
Stddev	.01309	.00042	.00009	.0003	.00000	.00034	.0443	.00032	.00003	.00096
%RSD	108.61	97.359	39.256	.00630	.01198	15.540	.54549	33.263	1.1672	1.2986
#1	.00280	-.00014	.00031	5.0432	.01254	.00243	8.1522	.00121	.00217	-.07299
#2	.02131	-.00073	.00017	5.0437	.01254	.00195	8.0896	.00075	.00220	-.07434
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.1**	**77250.**	**6615.2**
Stddev	17.6	502.	36.7
%RSD	.25557	.65006	.55447
#1	6859.6	77605.	6589.3
#2	6884.5	76894.	6641.2

Sample Name: CCV-2372889 Acquired: 11/14/2013 23:10:22 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53319**	**.53514**	**1.0326**	**.51944**	**.49927**	**.46754**	**-.00849**	**4.6330**	**.48231**	**.49781**	**.52698**	**.49907**	**2.5661**
Stddev	.00076	.00853	.0008	.00068	.00033	.00074	.00255	.0048	.00140	.00096	.00011	.00044	.0029
%RSD	.14316	1.5948	.08047	.13129	.06522	.15736	29.977	.10343	.29082	.19216	.02006	.08812	.11440
#1	.53373	.52910	1.0332	.51993	.49950	.46806	-.00669	4.6296	.48330	.49848	.52706	.49876	2.5640
#2	.53265	.54117	1.0320	.51896	.49904	.46702	-.01029	4.6364	.48132	.49713	.52691	.49938	2.5682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.608**	**.98273**	**20.232**	**.49143**	**.51993**	**5.2035**	**.53269**	**1.0347**	**.96220**	**.00361**	**1.0162**	**1.0574**	**5.0102**
Stddev	.151	.00409	.027	.00001	.00070	.0317	.00391	.0004	.00231	.00845	.0001	.0010	.0070
%RSD	.31740	.41623	.13379	.00167	.13473	.60893	.73441	.04103	.23976	234.12	.01048	.09393	.14012
#1	47.714	.98562	20.251	.49143	.52042	5.2259	.52992	1.0344	.96383	-.00237	1.0162	1.0567	5.0152
#2	47.501	.97983	20.213	.49144	.51943	5.1811	.53546	1.0350	.96057	.00958	1.0161	1.0581	5.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0289**	**.48801**	**.00353**	**.50022**	**.99970**	**-.01447**	**.47825**	**.50558**	**.48235**
Stddev	.015	.0039	.00080	.00020	.00041	.00256	.01446	.00032	.00178	.00097
%RSD	.14012	.37538	.16336	5.7165	.08168	.25651	99.927	.06605	.35172	.20099
#1	10.732	1.0316	.48858	.00339	.49993	1.0015	-.00425	.47803	.50684	.48304
#2	10.711	1.0261	.48745	.00367	.50051	.99789	-.02469	.47847	.50433	.48167
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7014.8**	**79365.**	**6587.9**
Stddev	14.0	206.	9.6
%RSD	.19928	.26004	.14598
#1	7004.9	79219.	6581.1
#2	7024.7	79511.	6594.7

Sample Name: CCB Acquired: 11/14/2013 23:12:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00018**	**.00090**	**.00086**	**.00003**	**.00005**	**.00246**	**-.00217**	**-.00001**	**.00009**	**-.00027**	**-.00089**	**-.00092**
Stddev	.00060	.00042	.00076	.00012	.00016	.00001	.00106	.00136	.00007	.00013	.00005	.00030	.00177
%RSD	88.021	230.90	84.096	13.541	555.30	11.378	43.143	62.389	473.94	136.38	16.947	33.779	192.15
#1	-.00111	.00048	.00036	.00078	-.00009	.00004	.00171	-.00121	.00003	.00018	-.00030	-.00110	-.00217
#2	-.00026	-.00012	.00143	.00095	.00014	.00005	.00321	-.00313	-.00006	.00000	-.00024	-.00068	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15971**	**.00114**	**.00302**	**-.00002**	**.00004**	F **.25126**	**-.00025**	**-.00071**	**.00020**	**.00148**	F **.00747**	**.00059**	**.00832**
Stddev	.02806	.00169	.00189	.00005	.00017	.00111	.00034	.00072	.00017	.00022	.00214	.00066	.01616
%RSD	17.568	148.74	62.593	218.16	417.19	.44047	137.19	101.86	86.478	14.872	28.681	111.36	194.30
#1	.13987	.00233	.00436	-.00006	.00016	.25204	-.00001	-.00020	.00033	.00163	.00595	.00013	.01975
#2	.17955	-.00006	.00168	.00001	-.00008	.25047	-.00049	-.00122	.00008	.00132	.00898	.00105	-.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.18320					.00628		
Low Limit						-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01780**	**-.00002**	**-.00005**	**.00081**	**.00002**	**.00060**	**-.00781**	**.00014**	**.00295**	**.00052**
Stddev	.03459	.00069	.00005	.00050	.00024	.00007	.03835	.00030	.00037	.00199
%RSD	194.30	3701.7	97.070	61.744	1201.8	12.526	490.97	204.45	12.693	383.47
#1	.04226	-.00051	-.00002	.00117	.00019	.00054	.01931	-.00006	.00322	-.00089
#2	-.00666	.00047	-.00009	.00046	-.00015	.00065	-.03493	.00035	.00269	.00193
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6943.4**	**78799.**	**6460.3**
Stddev	11.9	180.	47.0
%RSD	.17089	.22897	.72772
#1	6935.0	78927.	6427.1
#2	6951.8	78672.	6493.6

Sample Name: CCVL2379751 Acquired: 11/14/2013 23:14:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00971**	**.10929**	**.01574**	**.10304**	**.01019**	**.00092**	**.11524**	**.19114**	**.00482**	**.01021**	**.01059**	**.01413**	**.10369**
Stddev	.00041	.00009	.00122	.00033	.00016	.00001	.00107	.00039	.00005	.00030	.00007	.00029	.00075
%RSD	4.2589	.08358	7.7625	.31960	1.5795	1.1541	.93140	.20447	1.0324	2.9227	.62544	2.0506	.72009
#1	.01000	.10923	.01488	.10281	.01031	.00093	.11599	.19086	.00485	.01000	.01054	.01433	.10316
#2	.00942	.10936	.01661	.10327	.01008	.00092	.11448	.19142	.00478	.01042	.01063	.01392	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0038**	**.01015**	**.20972**	**.01000**	**.02011**	**1.2172**	**.04322**	**3.0189**	**.00801**	**.00243**	**.00963**	**.01570**	**.51193**
Stddev	.0120	.00071	.00239	.00003	.00059	.0120	.00016	.0137	.00106	.00179	.00042	.00053	.01449
%RSD	.39768	6.9683	1.1406	.34062	2.9472	.98309	.37809	.45270	13.224	73.449	4.4038	3.3729	2.8295
#1	2.9954	.00965	.21141	.01002	.01969	1.2087	.04310	3.0092	.00876	.00370	.00933	.01608	.50169
#2	3.0123	.01065	.20803	.00998	.02053	1.2256	.04333	3.0286	.00726	.00117	.00993	.01533	.52217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0955**	**.10471**	**.00973**	**.01501**	**.00982**	**.01680**	F **.11455**	**.00948**	**.02351**	**.01353**
Stddev	.0310	.00069	.00001	.00174	.00001	.00022	.00505	.00030	.00063	.00130
%RSD	2.8295	.66150	.12936	11.582	.06384	1.2932	4.4080	3.2001	2.6770	9.6305
#1	1.0736	.10520	.00973	.01378	.00982	.01664	.11098	.00926	.02306	.01445
#2	1.1175	.10422	.00974	.01624	.00983	.01695	.11812	.00969	.02395	.01260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7133.1**	**80744.**	**6531.9**
Stddev	6.0	403.	7.4
%RSD	.08465	.49971	.11286
#1	7128.8	80459.	6537.2
#2	7137.4	81029.	6526.7

Sample Name: mb 280-200660/1-a Acquired: 11/14/2013 23:17:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00094**	**.00273**	**-.00328**	**.00016**	**.00040**	**-.00004**	**.00148**	**.00658**	**-.00018**	**-.00001**
Stddev	.00013	.00004	.00081	.00024	.00000	.00002	.00049	.00471	.00011	.00004
%RSD	13.940	1.2906	24.705	152.30	.60415	41.846	33.310	71.588	62.420	281.31
#1	-.00085	.00275	-.00385	.00032	.00039	-.00003	.00113	.00325	-.00010	-.00004
#2	-.00103	.00270	-.00271	-.00001	.00040	-.00005	.00183	.00991	-.00025	.00001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00001**	**.00122**	**.15043**	**.00292**	**.00162**	**.00015**	**-.00008**	W **.21273**	**.00015**
Stddev	.00009	.00013	.00158	.01735	.00226	.00022	.00003	.00009	.00110	.00005
%RSD	183.58	1356.4	129.44	11.530	77.303	13.864	19.438	110.03	.51934	33.752
#1	-.00001	-.00010	.00010	.16270	.00133	.00178	.00017	-.00015	.21195	.00018
#2	.00011	.00008	.00233	.13817	.00452	.00146	.00013	-.00002	.21351	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.00039**	**.00424**	**.00154**	**-.00059**	**-.00029**	**-.00062**	**-.00021**	**-.00006**	W **.00387**
Stddev	.00041	.00110	.00057	.00257	.00233	.00248	.00532	.00078	.00012	.00129
%RSD	25.001	281.59	13.412	166.55	391.85	861.47	861.47	375.38	199.43	33.406
#1	.00133	-.00117	.00384	-.00027	-.00224	.00147	.00314	-.00076	.00002	.00295
#2	.00191	.00039	.00465	.00335	.00105	-.00205	-.00438	.00034	-.00014	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00020**	W **-.05826**	**.00023**	W **.00972**	**-.00008**
Stddev	.00022	.00013	.05611	.00012	.00063	.00106
%RSD	56.830	65.625	96.314	50.678	6.4746	1326.9
#1	-.00053	-.00011	-.01858	.00015	.01016	.00067
#2	-.00023	-.00029	-.09793	.00031	.00927	-.00083
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.05000		.00348	
Low Limit			-.05000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7068.0**	**80405.**	**6590.9**
Stddev	14.1	285.	23.8
%RSD	.19940	.35423	.36051
#1	7058.0	80204.	6607.7
#2	7077.9	80606.	6574.1

Sample Name: lcs 280-200660/2-a Acquired: 11/14/2013 23:19:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05139**	**2.0019**	**1.0448**	**1.0670**	**2.0342**	**.04785**	**2.1462**	**46.131**	**.09787**	**.49031**
Stddev	.00054	.0062	.0042	.0010	.0019	.00004	.0062	.056	.00001	.00082
%RSD	1.0578	.31000	.40560	.09477	.09341	.09305	.29093	.12168	.00879	.16705
#1	.05101	2.0062	1.0418	1.0677	2.0329	.04781	2.1506	46.091	.09788	.49089
#2	.05178	1.9975	1.0478	1.0663	2.0356	.04788	2.1418	46.170	.09787	.48973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21312**	**.25114**	**1.0339**	**49.129**	**1.0038**	**51.035**	**.48934**	**1.0534**	**51.710**	**.51969**
Stddev	.00025	.00143	.0027	.024	.0022	.112	.00099	.0021	.126	.00160
%RSD	.11783	.56989	.25967	.04862	.21417	.21895	.20246	.19632	.24454	.30833
#1	.21330	.25215	1.0358	49.112	1.0053	51.114	.49004	1.0549	51.799	.52082
#2	.21295	.25012	1.0320	49.146	1.0023	50.956	.48864	1.0520	51.620	.51856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.599**	**.46742**	**-.00592**	**.51464**	**2.1304**	**10.472**	**22.410**	**2.0588**	**.99288**	**1.0051**
Stddev	.003	.00057	.00136	.00216	.0125	.036	.078	.0132	.00009	.0030
%RSD	.02466	.12297	23.048	.42047	.58731	.34749	.34749	.64096	.00911	.30084
#1	10.597	.46702	-.00495	.51311	2.1216	10.446	22.355	2.0495	.99294	1.0073
#2	10.601	.46783	-.00688	.51617	2.1393	10.498	22.465	2.0682	.99281	1.0030
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0293**	**1.9321**	F **3.3093**	**.48827**	**.50196**	**.48875**
Stddev	.0016	.0100	.0172	.00053	.00166	.00682
%RSD	.15726	.51601	.52034	.10944	.33154	1.3944
#1	1.0304	1.9251	3.2971	.48789	.50314	.48393
#2	1.0281	1.9392	3.3215	.48865	.50078	.49357
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.9**	**78060.**	**6614.1**
Stddev	4.6	253.	2.7
%RSD	.06750	.32384	.04029
#1	6876.6	77881.	6612.2
#2	6883.2	78238.	6615.9

Sample Name: 280-49105-c-1-f Acquired: 11/14/2013 23:21:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.00900**	**-.00203**	**.23437**	**.58937**	**-.00002**	**.00111**	**2.5444**	**-.00023**	**-.00068**
Stddev	.00034	.00018	.00113	.00012	.00158	.00005	.00034	.0098	.00002	.00012
%RSD	37.584	2.0345	55.534	.05267	.26740	255.03	30.840	.38648	9.4829	17.219
#1	-.00115	.00887	-.00123	.23446	.58826	-.00005	.00086	2.5374	-.00025	-.00060
#2	-.00067	.00913	-.00283	.23429	.59049	.00001	.00135	2.5513	-.00022	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00030**	**.51416**	**3.3006**	**.13194**	**.60563**	**.00987**	**.00125**	W **560.22**	**.00083**
Stddev	.00007	.00090	.00616	.0855	.00013	.00595	.00000	.00042	.62	.00006
%RSD	50.854	302.02	1.1973	2.5892	.09748	.98170	.05003	33.509	.10994	7.5650
#1	.00018	-.00093	.50981	3.2402	.13203	.60142	.00987	.00096	560.66	.00079
#2	.00008	.00034	.51852	3.3611	.13185	.60983	.00988	.00155	559.79	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04100**	**-.00179**	**.16347**	**.00160**	**-.00091**	**9.6845**	**20.725**	**-.00018**	**.51171**	**.00398**
Stddev	.00023	.00020	.00140	.00134	.00083	.0934	.200	.00057	.00112	.00112
%RSD	.56429	11.281	.85703	83.612	90.613	.96388	.96388	311.52	.21966	28.131
#1	.04083	-.00165	.16247	.00255	-.00150	9.6185	20.584	-.00059	.51092	.00319
#2	.04116	-.00193	.16446	.00065	-.00033	9.7505	20.866	.00022	.51250	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00142**	**-.04696**	**.00024**	**.00438**	**-.00138**
Stddev	.00048	.00175	.02983	.00027	.00009	.00026
%RSD	893.41	123.12	63.515	112.21	1.9730	18.624
#1	-.00039	.00266	-.06805	.00005	.00431	-.00120
#2	.00028	.00018	-.02587	.00043	.00444	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6673.0**	**74746.**	**6575.5**
Stddev	3.0	373.	80.0
%RSD	.04477	.49848	1.2164
#1	6675.1	74483.	6632.1
#2	6670.9	75010.	6519.0

Sample Name: 280-49105-c-1-fSD@5 Acquired: 11/14/2013 23:24:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00810**	**.00001**	**.04816**	**.11961**	**.00002**	**.00164**	**.50660**	**-.00002**	**-.00038**
Stddev	.00006	.00003	.00022	.00086	.00011	.00004	.00067	.00003	.00009	.00010
%RSD	6.3526	.43039	1492.5	1.7927	.08902	171.06	40.896	.00606	500.09	25.418
#1	-.00094	.00813	-.00014	.04877	.11953	.00000	.00212	.50663	-.00009	-.00031
#2	-.00086	.00808	.00017	.04755	.11968	.00005	.00117	.50658	.00005	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00033**	**.11060**	**.74645**	**.02518**	**.12567**	**.00210**	**.00002**	**111.54**	**.00023**
Stddev	.00011	.00069	.00024	.00620	.00188	.00008	.00001	.00007	.13	.00012
%RSD	96.223	210.31	.21446	.83079	7.4658	.06607	.31305	388.17	.11740	50.378
#1	.00004	-.00082	.11043	.74207	.02651	.12573	.00211	-.00003	111.44	.00015
#2	.00019	.00016	.11077	.75084	.02385	.12561	.00210	.00007	111.63	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**-.00052**	**.03527**	**.00058**	**-.00273**	**1.9132**	**4.0942**	**.00111**	**.10293**	**.00286**
Stddev	.00020	.00078	.00191	.00025	.00119	.0130	.0278	.00004	.00134	.00114
%RSD	2.6392	150.74	5.4237	42.392	43.655	.68006	.68006	3.4714	1.3031	39.920
#1	.00753	-.00107	.03662	.00041	-.00358	1.9040	4.0745	.00108	.10198	.00205
#2	.00781	.00003	.03392	.00076	-.00189	1.9224	4.1139	.00114	.10388	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00107**	**-.02129**	**.00048**	**.00538**	**-.00057**
Stddev	.00017	.00050	.03253	.00003	.00005	.00090
%RSD	238.45	46.923	152.82	6.7943	.89337	157.22
#1	.00005	.00142	.00171	.00050	.00534	.00006
#2	-.00019	.00071	-.04429	.00045	.00541	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6918.6**	**78301.**	**6609.0**
Stddev	13.7	186.	37.3
%RSD	.19821	.23788	.56493
#1	6908.9	78169.	6635.4
#2	6928.3	78432.	6582.6

Sample Name: 280-49105-c-1-g ms Acquired: 11/14/2013 23:26:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05398**	**1.9590**	**1.0910**	**1.3082**	**2.6471**	**.04810**	F **2.1643**	**48.620**	**.10066**	**.48712**
Stddev	.00026	.0058	.0008	.0017	.0030	.00024	.0020	.021	.00014	.00134
%RSD	.47285	.29809	.07445	.12687	.11399	.49677	.09187	.04286	.14099	.27539
#1	.05416	1.9631	1.0904	1.3070	2.6450	.04794	2.1657	48.605	.10076	.48807
#2	.05380	1.9549	1.0915	1.3094	2.6493	.04827	2.1629	48.635	.10056	.48617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21427**	**.25592**	**1.5516**	**55.108**	**1.1680**	**50.407**	**.50336**	**1.0672**	W **619.27**	**.52005**
Stddev	.00030	.00109	.0069	.199	.0055	.008	.00039	.0014	1.92	.00002
%RSD	.13921	.42612	.44210	.36087	.46998	.01530	.07659	.13188	.31078	.00292
#1	.21406	.25515	1.5467	54.968	1.1642	50.412	.50309	1.0682	617.90	.52004
#2	.21448	.25669	1.5564	55.249	1.1719	50.402	.50363	1.0662	620.63	.52006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.102**	**.45348**	**.14207**	**.53070**	**2.2107**	**20.383**	**43.620**	W **2.0620**	**1.5195**	**1.0248**
Stddev	.004	.00254	.00334	.00164	.0052	.189	.404	.0051	.0033	.0061
%RSD	.03748	.56094	2.3537	.30846	.23552	.92702	.92702	.24653	.21810	.59324
#1	11.100	.45528	.13970	.52954	2.2071	20.249	43.334	2.0584	1.5172	1.0205
#2	11.105	.45168	.14443	.53186	2.2144	20.517	43.906	2.0656	1.5219	1.0291
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0487**	**1.7935**	**3.2644**	**.49506**	**.51507**	**.49135**
Stddev	.0001	.0004	.0613	.00002	.00023	.00208
%RSD	.01256	.02525	1.8767	.00468	.04488	.42413
#1	1.0488	1.7938	3.3077	.49505	.51491	.48988
#2	1.0486	1.7932	3.2211	.49508	.51524	.49282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6667.8**	**74506.**	**6730.6**
Stddev	18.2	210.	29.3
%RSD	.27367	.28121	.43473
#1	6654.9	74358.	6709.9
#2	6680.7	74654.	6751.3

Sample Name: 280-49105-c-1-h msd Acquired: 11/14/2013 23:28:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05159**	**1.8948**	**1.0431**	**1.2498**	**2.5336**	**.04598**	F **2.0635**	**46.594**	**.09573**	**.46663**
Stddev	.00013	.0074	.0001	.0005	.0043	.00000	.0017	.031	.00030	.00028
%RSD	.25311	.38914	.00846	.04024	.17030	.00880	.08042	.06695	.31412	.05964
#1	.05150	1.9000	1.0430	1.2502	2.5306	.04598	2.0647	46.616	.09551	.46683
#2	.05168	1.8896	1.0431	1.2495	2.5367	.04598	2.0624	46.572	.09594	.46643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20516**	**.24469**	**1.4911**	**52.974**	**1.1225**	**48.453**	**.48161**	**1.0214**	W **596.22**	**.49978**
Stddev	.00080	.00004	.0031	.193	.0014	.029	.00017	.0020	.83	.00142
%RSD	.39091	.01549	.20980	.36384	.12356	.06018	.03532	.19597	.13963	.28451
#1	.20573	.24467	1.4933	52.838	1.1215	48.474	.48173	1.0228	595.63	.50079
#2	.20460	.24472	1.4889	53.110	1.1234	48.433	.48149	1.0200	596.81	.49878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.614**	**.43519**	**.13625**	**.50378**	**2.0993**	**19.485**	**41.698**	**1.9741**	**1.4554**	**.98032**
Stddev	.010	.00060	.00115	.00456	.0009	.052	.110	.0062	.0007	.00053
%RSD	.09464	.13780	.84685	.90500	.04417	.26437	.26437	.31441	.04630	.05412
#1	10.621	.43476	.13707	.50701	2.0986	19.521	41.776	1.9785	1.4549	.98070
#2	10.607	.43561	.13543	.50056	2.0999	19.448	41.620	1.9698	1.4558	.97995
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0018**	**1.7302**	**3.1433**	**.47621**	**.50005**	**.46507**
Stddev	.0005	.0076	.0183	.00179	.00004	.00354
%RSD	.04641	.43669	.58175	.37543	.00723	.76021
#1	1.0015	1.7355	3.1562	.47495	.50008	.46757
#2	1.0022	1.7248	3.1303	.47748	.50003	.46257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6527.4**	**73469.**	**6556.4**
Stddev	6.7	5.	14.7
%RSD	.10274	.00710	.22431
#1	6522.6	73466.	6566.8
#2	6532.1	73473.	6546.0

Sample Name: 280-49105-c-2-d Acquired: 11/14/2013 23:30:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.01293**	**-.00230**	**.23404**	**.48515**	**.00001**	**.00065**	**3.4428**	**-.00011**	**-.00044**
Stddev	.00025	.00003	.00074	.00001	.00121	.00004	.00082	.0401	.00000	.00012
%RSD	17.297	.19352	32.126	.00420	.24843	669.80	126.29	1.1656	.69465	28.212
#1	-.00126	.01292	-.00178	.23405	.48600	.00004	.00007	3.4712	-.00011	-.00053
#2	-.00161	.01295	-.00283	.23404	.48430	-.00002	.00124	3.4144	-.00011	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00016**	**.17116**	**3.5530**	**.13578**	**.82388**	**.00667**	**.00131**	W **588.24**	**.00041**
Stddev	.00004	.00034	.00226	.0076	.00210	.00151	.00007	.00012	.80	.00038
%RSD	18.424	204.54	1.3229	.21407	1.5435	.18286	.99652	9.0289	.13541	92.972
#1	.00021	.00040	.17276	3.5476	.13726	.82282	.00672	.00140	587.67	.00014
#2	.00027	-.00007	.16956	3.5584	.13430	.82495	.00662	.00123	588.80	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01755**	**-.00055**	**.20768**	**-.00123**	**.00034**	**8.4718**	**18.130**	**-.00051**	**.54922**	**.00290**
Stddev	.00006	.00149	.00277	.00156	.00123	.1431	.306	.00048	.00057	.00074
%RSD	.34535	271.39	1.3332	127.07	362.01	1.6887	1.6887	94.445	.10344	25.385
#1	.01759	-.00161	.20572	-.00234	-.00053	8.5730	18.346	-.00085	.54882	.00238
#2	.01750	.00051	.20964	-.00012	.00121	8.3707	17.913	-.00017	.54963	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00148**	**-.02971**	**.00066**	**.00776**	**-.00063**
Stddev	.00017	.00106	.02870	.00021	.00027	.00011
%RSD	24.247	71.516	96.608	31.693	3.5007	18.058
#1	.00057	.00222	-.05000	.00051	.00756	-.00055
#2	.00081	.00073	-.00941	.00081	.00795	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6639.4**	**74350.**	**6567.1**
Stddev	11.7	214.	44.8
%RSD	.17564	.28758	.68281
#1	6631.1	74199.	6535.4
#2	6647.6	74501.	6598.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 23:33:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00714**	**48.648**	**-.00200**	**.00292**	**.00056**	**.00000**	W **1.0680**	**.02235**	**.00072**	**-.00100**	**.00026**	**-.00672**
Stddev	.00020	.172	.00052	.00107	.00003	.00005	.0055	.00176	.00007	.00036	.00001	.00006
%RSD	2.7910	.35377	26.212	36.585	5.3536	1126.2	.51594	7.8893	9.9323	36.329	5.2466	.93570
#1	-.00700	48.770	-.00237	.00216	.00054	.00004	1.0719	.02111	.00077	-.00126	.00027	-.00676
#2	-.00728	48.526	-.00163	.00368	.00058	-.00003	1.0641	.02360	.00067	-.00074	.00025	-.00667
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.925**	**.34093**	**.00220**	**.05661**	**-.00019**	**.00030**	**251.19**	**-.00091**	**.00436**	**-.00246**	**5.0773**	**.00150**
Stddev	.005	.04425	.00069	.00443	.00004	.00003	.46	.00037	.00113	.00099	.0221	.00060
%RSD	.00927	12.979	31.450	7.8225	19.018	10.177	.18128	40.251	25.903	40.144	.43563	40.137
#1	50.922	.37222	.00269	.05974	-.00017	.00032	251.51	-.00065	.00356	-.00176	5.0930	.00193
#2	50.929	.30964	.00171	.05348	-.00022	.00028	250.87	-.00117	.00516	-.00316	5.0617	.00107
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00652**	**.02973**	**.06362**	**-.00004**	**.00003**	**5.0486**	**.01278**	**.00294**	F **8.1173**	**.00088**	**.00257**	**-.07481**
Stddev	.00586	.00803	.01719	.00034	.00003	.0272	.00029	.00009	.0198	.00017	.00031	.00155
%RSD	89.902	27.019	27.019	885.64	98.093	.53960	2.3081	2.9573	.24361	19.461	11.916	2.0705
#1	-.01066	.03541	.07577	-.00028	.00006	5.0679	.01257	.00288	8.1313	.00100	.00235	-.07372
#2	-.00237	.02405	.05146	.00020	.00001	5.0293	.01299	.00300	8.1033	.00076	.00278	-.07591
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.2**	**77116.**	**6573.5**
Stddev	16.3	250.	16.8
%RSD	.23729	.32474	.25496
#1	6860.7	76939.	6585.4
#2	6883.7	77293.	6561.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 23:35:43 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54021**	**.52938**	**1.0442**	**.52566**	**.50434**	**.47220**	**-.00867**	**4.6569**	**.48496**	**.50079**	**.53235**	**.50377**	**2.6156**
Stddev	.00017	.00085	.0037	.00199	.00121	.00061	.00170	.0573	.00076	.00052	.00007	.00099	.0051
%RSD	.03226	.16089	.35496	.37833	.24019	.12933	19.547	1.2309	.15671	.10373	.01260	.19583	.19536
#1	.54008	.52998	1.0469	.52425	.50348	.47177	-.00987	4.6163	.48443	.50116	.53240	.50446	2.6192
#2	.54033	.52877	1.0416	.52706	.50520	.47263	-.00747	4.6974	.48550	.50042	.53230	.50307	2.6119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.810**	**.98470**	**20.315**	**.49326**	**.52467**	**5.4155**	**.53910**	**1.0427**	**.96349**	**-.00242**	**1.0261**	**1.0654**	**5.1183**
Stddev	.067	.00081	.095	.00122	.00024	.0496	.00492	.0031	.00030	.00068	.0022	.0027	.0249
%RSD	.13910	.08186	.46550	.24738	.04642	.91517	.91277	.30128	.03154	28.305	.21079	.25300	.48577
#1	47.857	.98527	20.248	.49239	.52450	5.4505	.53562	1.0450	.96371	-.00290	1.0246	1.0635	5.1007
#2	47.763	.98413	20.382	.49412	.52484	5.3804	.54258	1.0405	.96328	-.00194	1.0276	1.0673	5.1359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.953**	**1.0390**	**.49142**	**.00306**	**.50471**	**1.0043**	**.01358**	**.48035**	**.50391**	**.49041**
Stddev	.053	.0028	.00021	.00133	.00056	.0019	.00919	.00051	.00190	.00375
%RSD	.48577	.26740	.04183	43.517	.11169	.19193	67.701	.10696	.37618	.76491
#1	10.916	1.0410	.49156	.00400	.50511	1.0029	.00708	.47998	.50257	.48775
#2	10.991	1.0370	.49127	.00212	.50431	1.0056	.02008	.48071	.50525	.49306
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.3**	**79823.**	**6683.9**
Stddev	17.8	319.	29.6
%RSD	.25251	.39920	.44359
#1	7020.8	80048.	6663.0
#2	7045.9	79598.	6704.9

Sample Name: CCB Acquired: 11/14/2013 23:37:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00153**	**.00030**	**-.00148**	**.00334**	**.00050**	**.00008**	**.00169**	**.00102**	**-.00027**	**-.00023**	**-.00002**
Stddev	.00044	.00069	.00387	.00003	.00009	.00007	.00020	.00095	.00013	.00003	.00001
%RSD	28.993	229.03	261.61	.87323	18.893	83.359	11.798	93.018	48.691	14.863	52.736
#1	-.00184	-.00019	.00126	.00332	.00056	.00012	.00155	.00169	-.00018	-.00020	-.00003
#2	-.00121	.00079	-.00421	.00336	.00043	.00003	.00183	.00035	-.00037	-.00025	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**-.00208**	**.17996**	W **.00403**	**.00315**	**.00002**	**.00047**	F **.35990**	**-.00024**	**.00068**	**.00041**
Stddev	.00066	.00135	.00474	.00046	.00019	.00005	.00019	.01386	.00065	.00012	.00018
%RSD	88.893	64.834	2.6335	11.300	5.9372	209.48	40.169	3.8500	267.95	17.957	44.694
#1	-.00122	-.00113	.17661	.00371	.00302	-.00001	.00060	.35010	-.00070	.00059	.00028
#2	-.00028	-.00303	.18331	.00435	.00328	.00006	.00034	.36970	.00022	.00076	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	W **.00585**	**-.00026**	**.00517**	**.01107**	**-.00104**	**-.00006**	**.00219**	**-.00011**	**.00081**	**-.03032**
Stddev	.00159	.00121	.00179	.00261	.00559	.00024	.00009	.00166	.00002	.00141	.04070
%RSD	103.53	20.712	699.18	50.525	50.525	22.909	150.93	75.490	18.417	173.82	134.22
#1	.00265	.00671	.00101	.00702	.01503	-.00121	.00000	.00102	-.00009	-.00019	-.00154
#2	.00041	.00500	-.00152	.00333	.00712	-.00087	-.00013	.00336	-.00012	.00181	-.05910
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00037**	**.00347**	**-.00168**
Stddev	.00045	.00047	.00051
%RSD	120.91	13.611	30.227
#1	-.00069	.00314	-.00132
#2	-.00005	.00380	-.00204
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7050.4**	**80533.**	**6669.4**
Stddev	4.6	62.	47.3
%RSD	.06585	.07637	.70906
#1	7053.7	80490.	6636.0
#2	7047.1	80577.	6702.9

Sample Name: CCVL2379751 Acquired: 11/14/2013 23:40:12 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00956**	F **.13495**	**.01481**	**.10625**	**.01040**	**.00098**	**.11693**	**.19541**	**.00484**	**.01059**	**.01096**	**.01384**	**.10641**
Stddev	.00003	.02057	.00156	.00058	.00007	.00006	.00152	.00123	.00021	.00053	.00032	.00052	.00164
%RSD	.28091	15.246	10.530	.55012	.68376	6.3308	1.3000	.62818	4.3168	4.9939	2.9039	3.7365	1.5443
#1	.00957	.14950	.01371	.10666	.01035	.00102	.11801	.19627	.00498	.01096	.01119	.01420	.10757
#2	.00954	.12041	.01592	.10583	.01045	.00094	.11586	.19454	.00469	.01021	.01073	.01347	.10525
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000											
Range		30.000%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9627**	**.01281**	**.21667**	**.01016**	**.02100**	F **1.3622**	**.04415**	**3.0628**	**.00842**	**.01005**	**.01141**	**.01834**	**.49958**
Stddev	.0233	.00122	.00017	.00009	.00091	.0149	.00020	.0038	.00107	.00849	.00069	.00142	.00008
%RSD	.78528	9.5451	.07684	.89102	4.3392	1.0962	.44401	.12378	12.702	84.445	6.0482	7.7635	.01592
#1	2.9792	.01194	.21678	.01010	.02165	1.3728	.04401	3.0601	.00917	.01605	.01190	.01935	.49963
#2	2.9462	.01367	.21655	.01023	.02036	1.3517	.04429	3.0655	.00766	.00405	.01093	.01733	.49952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0691**	**.10751**	**.00978**	**.01868**	**.01018**	**.01757**	**.07409**	**.00994**	**.02502**	**.01310**
Stddev	.0002	.00053	.00005	.00087	.00009	.00050	.01423	.00045	.00015	.00063
%RSD	.01592	.49675	.54776	4.6707	.85457	2.8191	19.205	4.5191	.61465	4.8273
#1	1.0692	.10789	.00982	.01930	.01024	.01722	.06403	.01026	.02491	.01354
#2	1.0690	.10713	.00974	.01807	.01011	.01792	.08415	.00962	.02513	.01265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7170.9**	**81439.**	**6840.9**
Stddev	22.5	408.	10.9
%RSD	.31422	.50108	.15921
#1	7186.8	81151.	6833.2
#2	7154.9	81728.	6848.6

Sample Name: 280-49105-c-3-d Acquired: 11/14/2013 23:42:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.01378**	**-.00137**	**.23538**	**.49765**	**.00004**	**-.00033**	**3.4666**	**-.00008**	**-.00059**
Stddev	.00033	.00002	.00096	.00078	.00159	.00005	.00255	.0429	.00009	.00004
%RSD	23.018	.16479	70.116	.33176	.31953	150.25	766.75	1.2378	120.62	6.1824
#1	-.00165	.01376	-.00069	.23593	.49877	.00000	.00147	3.4969	-.00001	-.00062
#2	-.00119	.01379	-.00205	.23483	.49653	.00007	-.00214	3.4362	-.00014	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00065**	**.16804**	**3.3465**	**.13678**	**.82531**	**.00685**	**.00086**	W **599.99**	**.00061**
Stddev	.00015	.00024	.00346	.0165	.00295	.00189	.00009	.00005	.94	.00033
%RSD	64.701	37.072	2.0577	.49335	2.1531	.22886	1.3617	6.1860	.15669	53.860
#1	.00034	.00082	.17048	3.3348	.13887	.82398	.00678	.00090	600.66	.00038
#2	.00013	.00048	.16559	3.3581	.13470	.82665	.00691	.00082	599.33	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02008**	**-.00085**	**.19690**	**-.00016**	**-.00117**	**8.6693**	**18.552**	**-.00053**	**.56225**	**.00289**
Stddev	.00219	.00076	.00212	.00065	.00187	.1238	.265	.00011	.00064	.00073
%RSD	10.910	88.867	1.0771	399.95	159.31	1.4282	1.4282	21.332	.11335	25.203
#1	.02162	-.00032	.19540	-.00062	-.00249	8.7569	18.740	-.00061	.56270	.00340
#2	.01853	-.00139	.19840	.00030	.00015	8.5817	18.365	-.00045	.56180	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00156**	**-.02965**	**.00042**	**.00551**	**-.00062**
Stddev	.00035	.00017	.05743	.00039	.00035	.00037
%RSD	94.717	10.989	193.73	93.475	6.2763	59.405
#1	.00062	.00169	-.07026	.00014	.00527	-.00089
#2	.00012	.00144	.01097	.00070	.00576	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6580.1**	**73703.**	**6600.7**
Stddev	6.4	21.	109.3
%RSD	.09777	.02884	1.6564
#1	6575.6	73688.	6523.3
#2	6584.7	73719.	6678.0

Sample Name: 280-49105-c-4-d Acquired: 11/14/2013 23:45:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.03495**	**-.00115**	**.21554**	**.10810**	**-.00004**	**.00344**	**6.4682**	**-.00018**	**-.00028**
Stddev	.00025	.00018	.00209	.00225	.00016	.00003	.00234	.0156	.00008	.00004
%RSD	22.836	.51339	181.35	1.0459	.14978	74.930	68.140	.24162	44.583	13.238
#1	-.00128	.03482	.00033	.21713	.10798	-.00005	.00178	6.4792	-.00012	-.00030
#2	-.00092	.03508	-.00263	.21394	.10821	-.00002	.00510	6.4571	-.00023	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00194**	**.05977**	**3.5656**	**.12250**	**1.8257**	**.00164**	**.00108**	W **587.16**	**.00084**
Stddev	.00000	.00001	.00647	.1050	.00094	.0066	.00004	.00006	2.03	.00002
%RSD	.43453	.73777	10.829	2.9459	.76981	.36356	2.4452	5.6605	.34582	2.3404
#1	.00035	.00195	.05520	3.4913	.12184	1.8211	.00161	.00112	588.59	.00086
#2	.00035	.00193	.06435	3.6398	.12317	1.8304	.00167	.00103	585.72	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10665**	**-.00078**	**.23937**	**.00079**	**.00358**	**6.9757**	**14.928**	**-.00093**	**.32133**	**.00224**
Stddev	.00066	.00010	.00017	.00076	.00399	.0512	.110	.00001	.00129	.00039
%RSD	.61610	13.486	.07047	95.760	111.54	.73350	.73350	1.3424	.40026	17.641
#1	.10618	-.00070	.23926	.00026	.00640	6.9395	14.851	-.00092	.32224	.00196
#2	.10711	-.00085	.23949	.00133	.00076	7.0119	15.005	-.00094	.32042	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00128**	**-.02371**	**.00227**	**.00546**	**.00023**
Stddev	.00027	.00001	.03171	.00010	.00073	.00044
%RSD	33.564	.56397	133.75	4.2124	13.423	188.57
#1	.00061	.00127	-.00129	.00234	.00494	-.00008
#2	.00099	.00128	-.04613	.00220	.00598	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6582.6**	**73338.**	**6558.5**
Stddev	2.9	320.	16.5
%RSD	.04425	.43674	.25184
#1	6584.7	73564.	6570.2
#2	6580.5	73111.	6546.9

Sample Name: 280-49105-c-5-d Acquired: 11/14/2013 23:47:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.00244**	**-.00011**	**.02204**	**.14360**	**.00001**	**.00131**	**201.50**	**.00068**	**.00015**
Stddev	.00032	.00011	.00351	.00111	.00186	.00001	.00204	.35	.00009	.00000
%RSD	19.191	4.4105	3240.5	5.0266	1.2931	216.01	155.98	.17472	13.669	.44885
#1	-.00188	.00237	-.00259	.02282	.14229	.00000	-.00013	201.75	.00075	.00015
#2	-.00143	.00252	.00237	.02126	.14491	.00001	.00275	201.25	.00062	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00043**	**.09237**	**1.8989**	**.00965**	**50.901**	**.00446**	**.00092**	**77.878**	**.00073**
Stddev	.00004	.00003	.00203	.0474	.00019	.017	.00005	.00001	.935	.00031
%RSD	21.742	6.8278	2.1936	2.4959	1.9406	.03406	1.0561	.95703	1.2009	42.269
#1	.00023	-.00045	.09380	1.8654	.00978	50.913	.00449	.00093	77.217	.00051
#2	.00017	-.00041	.09093	1.9324	.00952	50.888	.00442	.00091	78.540	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01943**	**-.00114**	**7.3800**	**-.00005**	**.00115**	**6.9781**	**14.933**	**-.00065**	**3.2315**	**.00342**
Stddev	.00033	.00049	.0299	.00042	.00110	.0351	.075	.00003	.0065	.00200
%RSD	1.7226	42.692	.40542	780.73	96.129	.50347	.50347	4.8312	.20013	58.478
#1	.01966	-.00149	7.4012	.00024	.00193	6.9533	14.880	-.00067	3.2361	.00484
#2	.01919	-.00080	7.3589	-.00035	.00037	7.0030	14.986	-.00063	3.2269	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00126**	**-.04988**	**.00105**	**.00388**	**.00018**
Stddev	.00029	.00046	.06594	.00033	.00048	.00004
%RSD	54.324	36.676	132.20	31.049	12.476	21.693
#1	-.00033	.00159	-.09651	.00082	.00422	.00021
#2	-.00075	.00094	-.00325	.00128	.00354	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6636.2**	**74977.**	**6465.1**
Stddev	13.9	108.	3.4
%RSD	.20918	.14435	.05269
#1	6626.4	75054.	6462.7
#2	6646.0	74901.	6467.6

Sample Name: 280-49105-c-6-d Acquired: 11/14/2013 23:49:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00342**	**-.00099**	**.02109**	**.13526**	**.00009**	**.00256**	**178.37**	**.00073**	**.00025**
Stddev	.00062	.00090	.00164	.00020	.00028	.00002	.00268	.10	.00001	.00027
%RSD	71.329	26.297	164.99	.94388	.20694	26.091	104.79	.05845	1.3324	106.39
#1	-.00043	.00279	-.00215	.02095	.13506	.00011	.00446	178.45	.00073	.00006
#2	-.00130	.00406	.00017	.02124	.13546	.00007	.00066	178.30	.00074	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00031**	**.34057**	**1.5654**	**.00635**	**47.239**	**.07856**	**.00167**	**81.978**	**.00070**
Stddev	.00005	.00055	.00455	.0166	.00048	.002	.00034	.00024	.282	.00005
%RSD	38.485	175.84	1.3358	1.0591	7.5102	.00370	.42692	14.543	.34412	6.8567
#1	.00018	.00070	.34379	1.5771	.00668	47.238	.07879	.00184	81.779	.00074
#2	.00010	-.00008	.33736	1.5537	.00601	47.241	.07832	.00150	82.178	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**-.00089**	**8.4644**	**-.00076**	**-.00018**	**6.6750**	**14.285**	**-.00122**	**2.9963**	**.00439**
Stddev	.00266	.00037	.0149	.00240	.00029	.0464	.099	.00033	.0082	.00152
%RSD	28.622	41.834	.17543	316.41	163.34	.69465	.69465	26.883	.27308	34.586
#1	.00741	-.00062	8.4539	.00094	.00003	6.7078	14.355	-.00099	2.9905	.00332
#2	.01117	-.00115	8.4749	-.00246	-.00039	6.6422	14.214	-.00145	3.0021	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00057**	**-.02074**	**.00103**	**.01176**	**.00043**
Stddev	.00019	.00079	.00954	.00062	.00009	.00054
%RSD	57.368	137.32	45.972	60.161	.75942	124.41
#1	-.00047	.00002	-.02749	.00147	.01170	.00081
#2	-.00020	.00113	-.01400	.00059	.01182	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6716.6**	**76506.**	**6573.2**
Stddev	43.1	202.	71.2
%RSD	.64104	.26399	1.0827
#1	6747.0	76364.	6522.8
#2	6686.1	76649.	6623.5

Sample Name: 280-49105-c-7-d Acquired: 11/14/2013 23:52:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00237**	**-.00059**	**.01943**	**.09030**	**.00001**	**.00261**	**106.99**	**.00048**	**-.00023**
Stddev	.00011	.00003	.00145	.00018	.00070	.00011	.00095	.32	.00010	.00007
%RSD	18.192	1.3977	246.59	.90729	.77453	1617.7	36.264	.30319	21.619	31.204
#1	-.00068	.00234	.00044	.01931	.08980	-.00007	.00194	106.76	.00041	-.00028
#2	-.00052	.00239	-.00162	.01955	.09079	.00008	.00328	107.22	.00056	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00042**	**.03544**	**1.3433**	**.00685**	**30.569**	**.04571**	**-.00001**	**48.994**	**.00025**
Stddev	.00006	.00007	.00329	.0021	.00196	.010	.00004	.00004	.934	.00050
%RSD	35.392	15.571	9.2756	.15464	28.632	.03132	.08770	275.85	1.9061	197.81
#1	.00020	.00047	.03312	1.3418	.00546	30.576	.04574	.00001	48.333	-.00010
#2	.00012	.00037	.03777	1.3447	.00824	30.562	.04568	-.00004	49.654	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00798**	**-.00110**	**22.674**	**.00188**	**-.00067**	**6.1216**	**13.100**	**-.00061**	**2.0050**	**.00177**
Stddev	.00153	.00101	.006	.00060	.00001	.0221	.047	.00074	.0046	.00128
%RSD	19.231	91.462	.02483	31.879	.94797	.36124	.36124	122.48	.22780	72.564
#1	.00906	-.00039	22.670	.00146	-.00067	6.1059	13.067	-.00113	2.0017	.00086
#2	.00689	-.00181	22.678	.00231	-.00066	6.1372	13.134	-.00008	2.0082	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00124**	**-.03190**	**.00015**	**.00522**	**-.00020**
Stddev	.00014	.00049	.01428	.00003	.00026	.00052
%RSD	46.398	39.225	44.772	18.397	4.9240	262.89
#1	-.00020	.00158	-.04200	.00017	.00504	-.00056
#2	-.00039	.00090	-.02180	.00013	.00540	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6841.1**	**77303.**	**6563.4**
Stddev	25.1	363.	14.1
%RSD	.36649	.46933	.21524
#1	6823.4	77046.	6573.4
#2	6858.8	77559.	6553.4

Sample Name: 280-49092-b-1-b Acquired: 11/14/2013 23:54:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00102**	**.00462**	**.00739**	**.15081**	**.05123**	**.00002**	**-.00031**	**62.678**	**.00035**	**-.00024**
Stddev	.00059	.00029	.00045	.00010	.00015	.00005	.00014	.237	.00004	.00007
%RSD	57.761	6.3667	6.1487	.06367	.30106	264.36	46.582	.37746	10.879	29.045
#1	-.00061	.00441	.00707	.15088	.05134	.00005	-.00041	62.846	.00032	-.00029
#2	-.00144	.00482	.00771	.15074	.05112	-.00002	-.00021	62.511	.00037	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**.00384**	**.01264**	**8.2555**	**.01784**	**11.076**	**.02302**	**.00443**	**76.156**	**.04622**
Stddev	.00012	.00007	.00149	.0239	.00203	.029	.00010	.00002	.026	.00032
%RSD	5.1835	1.6951	11.793	.28913	11.352	.26129	.43297	.48521	.03410	.70261
#1	.00243	.00388	.01158	8.2723	.01928	11.096	.02309	.00442	76.174	.04599
#2	.00226	.00379	.01369	8.2386	.01641	11.055	.02295	.00445	76.137	.04645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8208**	**-.00087**	**32.164**	**-.00019**	**-.00079**	**19.208**	**41.104**	**-.00036**	**.39114**	**.00176**
Stddev	.0017	.00084	.049	.00246	.00103	.089	.190	.00055	.00143	.00067
%RSD	.09510	96.653	.15141	1267.3	130.94	.46149	.46149	153.88	.36470	37.895
#1	1.8221	-.00147	32.129	-.00193	-.00006	19.145	40.970	.00003	.39214	.00223
#2	1.8196	-.00028	32.198	.00155	-.00152	19.270	41.238	-.00075	.39013	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00067**	**-.03622**	**.00464**	**.01431**	**.00014**
Stddev	.00014	.00105	.01609	.00034	.00038	.00051
%RSD	102.65	157.38	44.416	7.3272	2.6839	366.84
#1	-.00004	.00141	-.04759	.00488	.01458	.00050
#2	-.00023	-.00008	-.02484	.00440	.01404	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6959.3**	**79034.**	**6764.5**
Stddev	5.7	39.	5.0
%RSD	.08179	.04879	.07402
#1	6955.3	79007.	6761.0
#2	6963.3	79061.	6768.1

Sample Name: 280-49110-h-1-a Acquired: 11/14/2013 23:56:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**.01309**	**-.00097**	**.11383**	**.15394**	**-.00001**	**.00147**	**22.584**	**.00013**	**-.00042**
Stddev	.00028	.00030	.00169	.00113	.00034	.00001	.00287	.015	.00004	.00011
%RSD	24.420	2.3170	174.96	.99538	.21835	181.30	195.02	.06451	29.717	26.775
#1	-.00137	.01331	.00023	.11303	.15417	-.00002	.00350	22.595	.00011	-.00034
#2	-.00097	.01288	-.00216	.11464	.15370	.00000	-.00056	22.574	.00016	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00072**	**.29864**	**2.4071**	**.02639**	**13.920**	**.15757**	**.00910**	**135.65**	**.00026**
Stddev	.00009	.00028	.00185	.0104	.00032	.007	.00031	.00003	.35	.00027
%RSD	29.164	39.482	.61976	.43135	1.2205	.04972	.19586	.31156	.26090	107.28
#1	.00024	-.00092	.29733	2.4144	.02616	13.915	.15779	.00912	135.90	.00006
#2	.00036	-.00052	.29995	2.3998	.02661	13.924	.15735	.00908	135.40	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15665**	**-.00115**	**11.023**	**.00227**	**.00019**	**10.608**	**22.700**	**.00100**	**.21805**	**.00156**
Stddev	.00120	.00053	.033	.00094	.00007	.017	.036	.00070	.00001	.00111
%RSD	.76452	45.661	.30025	41.562	39.255	.16076	.16076	69.869	.00516	71.160
#1	.15750	-.00078	10.999	.00160	.00014	10.596	22.675	.00149	.21804	.00077
#2	.15581	-.00152	11.046	.00294	.00024	10.620	22.726	.00050	.21805	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00156**	**-.02647**	**.00025**	**.00762**	**.00086**
Stddev	.00029	.00022	.00452	.00047	.00001	.00114
%RSD	99.178	14.328	17.077	188.26	.07202	133.29
#1	.00009	.00172	-.02967	.00058	.00761	.00167
#2	.00050	.00140	-.02328	-.00008	.00762	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6895.6**	**78277.**	**6836.7**
Stddev	29.1	228.	39.5
%RSD	.42267	.29163	.57791
#1	6875.0	78115.	6808.8
#2	6916.2	78438.	6864.7

Sample Name: 280-49110-h-2-a Acquired: 11/14/2013 23:59:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00332**	**-.00114**	**.11529**	**.21582**	**.00000**	**.00152**	**20.203**	**.00005**	**-.00047**
Stddev	.00013	.00013	.00383	.00010	.00034	.0001	.00030	.016	.00006	.00005
%RSD	13.680	3.8802	335.93	.09038	.15638	4909.7	19.831	.08151	114.18	10.982
#1	-.00083	.00323	-.00385	.11522	.21558	-.00004	.00173	20.215	.00001	-.00051
#2	-.00101	.00341	.00157	.11537	.21605	.00003	.00131	20.191	.00009	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00057**	**.15387**	**3.5223**	**.02654**	**11.147**	**.14375**	**.00810**	**133.86**	**-.00010**
Stddev	.00001	.00012	.00110	.0194	.00088	.046	.00045	.00005	.35	.00005
%RSD	8.4341	20.588	.71228	.55226	3.3218	.40880	.31006	.56706	.26408	51.006
#1	.00016	-.00049	.15310	3.5360	.02717	11.179	.14407	.00813	133.61	-.00013
#2	.00014	-.00066	.15465	3.5085	.02592	11.115	.14344	.00807	134.11	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15481**	**-.00166**	**7.4436**	**.00096**	**-.00259**	**10.143**	**21.706**	**-.00036**	**.20890**	**.00342**
Stddev	.00079	.00071	.0264	.00332	.00034	.064	.136	.00009	.00001	.00212
%RSD	.51320	42.604	.35419	347.08	13.219	.62782	.62782	25.103	.00380	62.024
#1	.15425	-.00116	7.4249	.00331	-.00283	10.098	21.609	-.00042	.20890	.00192
#2	.15538	-.00217	7.4622	-.00139	-.00235	10.188	21.802	-.00030	.20891	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00057**	W **-.05594**	**-.00010**	**.00601**	**-.00214**
Stddev	.00033	.00086	.01387	.00016	.00041	.00160
%RSD	217.14	151.49	24.784	156.78	6.8915	74.994
#1	-.00038	.00118	-.04614	-.00022	.00630	-.00100
#2	.00008	-.00004	-.06575	.00001	.00572	-.00327
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6865.2**	**77999.**	**6749.8**
Stddev	11.5	48.	30.6
%RSD	.16686	.06095	.45407
#1	6857.1	77966.	6771.5
#2	6873.3	78033.	6728.1

Sample Name: CCVH-2372891 Acquired: 11/15/2013 0:01:37 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00667**	**48.511**	**-.00181**	**.00101**	**.00038**	**.00000**	W **1.0520**	**.03654**	**.00076**	**-.00121**	**.00042**	**-.00683**
Stddev	.00057	.201	.00009	.00011	.00027	.00003	.0073	.00122	.00009	.00021	.00001	.00000
%RSD	8.5698	.41352	4.7292	11.208	70.157	986.09	.68880	3.3402	11.747	17.649	2.2697	.06766
#1	-.00707	48.369	-.00175	.00093	.00019	-.00002	1.0469	.03740	.00070	-.00136	.00042	-.00684
#2	-.00627	48.653	-.00187	.00109	.00057	.00002	1.0571	.03567	.00082	-.00106	.00041	-.00683
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.011**	**.20929**	**.00172**	**.05906**	**-.00009**	**.00045**	**248.92**	**-.00091**	**.00255**	**-.00241**	**4.9936**	**.00171**
Stddev	.598	.02426	.00035	.00337	.00001	.00036	.02	.00014	.00049	.00013	.0341	.00288
%RSD	1.1965	11.589	20.133	5.7060	9.2179	80.723	.00886	15.811	19.318	5.4394	.68303	168.02
#1	49.588	.22644	.00197	.05668	-.00010	.00019	248.93	-.00102	.00290	-.00250	4.9695	-.00032
#2	50.434	.19214	.00148	.06144	-.00009	.00070	248.90	-.00081	.00220	-.00231	5.0177	.00375
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00515**	**.01245**	**.02665**	**-.00007**	**.00029**	**5.0467**	**.01306**	**.00115**	F **8.1429**	**.00118**	**.00212**	**-.07437**
Stddev	.00483	.01007	.02155	.00061	.00004	.0204	.00007	.00118	.0493	.00025	.00009	.00213
%RSD	93.755	80.850	80.850	827.11	13.580	.40371	.54825	103.16	.60535	20.845	4.3820	2.8674
#1	-.00174	.00533	.01141	.00036	.00026	5.0611	.01301	.00031	8.1778	.00135	.00205	-.07587
#2	-.00857	.01957	.04188	-.00051	.00032	5.0323	.01311	.00198	8.1080	.00100	.00218	-.07286
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.9**	**77488.**	**6562.3**
Stddev	21.5	580.	121.3
%RSD	.31148	.74849	1.8483
#1	6928.1	77077.	6648.1
#2	6897.7	77898.	6476.5

Sample Name: CCV-2372889 Acquired: 11/15/2013 0:03:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54437**	**.53518**	**1.0466**	**.52742**	**.50248**	**.47241**	**-.00997**	**4.6813**	**.48589**	**.50272**	**.53451**	**.50487**	**2.5990**
Stddev	.00260	.00218	.0008	.00159	.00025	.00325	.00059	.0369	.00056	.00037	.00042	.00017	.0044
%RSD	.47742	.40708	.08117	.30184	.04876	.68844	5.9077	.78907	.11607	.07429	.07872	.03334	.16934
#1	.54253	.53364	1.0472	.52629	.50231	.47011	-.00956	4.6552	.48549	.50245	.53421	.50475	2.6021
#2	.54621	.53672	1.0460	.52855	.50266	.47471	-.01039	4.7074	.48629	.50298	.53480	.50499	2.5959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.918**	**.98711**	**20.524**	**.49503**	**.52628**	**5.2978**	**.53855**	**1.0482**	**.96656**	**-.00277**	**1.0225**	**1.0712**	**5.0999**
Stddev	.191	.00435	.003	.00050	.00001	.0027	.00151	.0019	.00204	.00080	.0019	.0001	.0719
%RSD	.39803	.44038	.01455	.10131	.00245	.05029	.28049	.17669	.21061	28.776	.18702	.00983	1.4107
#1	47.783	.98403	20.522	.49468	.52629	5.2959	.53748	1.0469	.96800	-.00333	1.0238	1.0711	5.0490
#2	48.052	.99018	20.526	.49539	.52627	5.2997	.53962	1.0495	.96512	-.00220	1.0211	1.0712	5.1507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.914**	**1.0422**	**.48973**	**.00429**	**.50648**	**1.0029**	**-.01928**	**.48139**	**.51262**	**.48919**
Stddev	.154	.0043	.00159	.00176	.00054	.0032	.00389	.00159	.00090	.00469
%RSD	1.4107	.41071	.32536	41.080	.10744	.31853	20.164	.32930	.17556	.95906
#1	10.805	1.0392	.48860	.00553	.50610	1.0052	-.02203	.48251	.51326	.48587
#2	11.023	1.0453	.49085	.00304	.50687	1.0006	-.01653	.48027	.51199	.49250
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6937.7**	**78342.**	**6506.9**
Stddev	8.5	145.	14.9
%RSD	.12240	.18519	.22951
#1	6943.7	78240.	6496.3
#2	6931.7	78445.	6517.4

Sample Name: CCB Acquired: 11/15/2013 0:06:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00170**	**-.00013**	**-.00112**	**.00112**	**.00023**	**.00010**	**.00228**	**-.00177**	**-.00024**	**-.00020**	**.00000**
Stddev	.00014	.00001	.00097	.00007	.00026	.00003	.00127	.00100	.00009	.00003	.0000
%RSD	8.1988	10.693	86.550	5.9377	113.38	29.653	55.374	56.551	38.194	13.580	320.49
#1	-.00160	-.00012	-.00180	.00117	.00042	.00013	.00318	-.00106	-.00030	-.00018	.00001
#2	-.00180	-.00014	-.00043	.00107	.00005	.00008	.00139	-.00248	-.00017	-.00022	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.01983**	**.16029**	**.00093**	**.00312**	**.00019**	**.00027**	F **.26792**	**-.00020**	**.00014**	**.00029**
Stddev	.00043	.00198	.04047	.00018	.00164	.00004	.00006	.01199	.00010	.00088	.00077
%RSD	52.931	9.9620	25.251	18.957	52.392	20.476	22.817	4.4768	48.857	637.98	266.81
#1	-.00050	.02123	.18891	.00106	.00428	.00016	.00023	.27640	-.00027	-.00048	-.00026
#2	-.00110	.01843	.13167	.00081	.00197	.00022	.00031	.25944	-.00013	.00076	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	F **.00639**	**.00104**	**.00800**	**.01712**	**-.00100**	**-.00005**	**.00342**	**.00013**	**.00123**	**.00546**
Stddev	.00033	.00150	.00026	.02460	.05264	.00053	.00002	.00072	.00045	.00111	.01012
%RSD	28.393	23.483	24.996	307.44	307.44	52.784	35.211	21.165	345.62	90.138	185.51
#1	-.00092	.00533	.00086	-.00939	-.02010	-.00063	-.00006	.00290	.00045	.00045	-.00170
#2	-.00138	.00745	.00123	.02540	.05435	-.00138	-.00004	.00393	-.00019	.00202	.01261
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00018**	**.00289**	**-.00135**
Stddev	.00005	.00013	.00054
%RSD	28.148	4.4611	40.002
#1	-.00021	.00280	-.00097
#2	-.00014	.00298	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6944.7**	**78497.**	**6442.4**
Stddev	2.5	685.	20.9
%RSD	.03670	.87275	.32396
#1	6942.9	78981.	6427.6
#2	6946.5	78012.	6457.1

Sample Name: CCVL2379751 Acquired: 11/15/2013 0:08:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00942**	**.11040**	**.01350**	**.10435**	**.01025**	**.00096**	**.11579**	**.18338**	**.00471**	**.01014**	**.01088**	**.01369**	**.10499**
Stddev	.00020	.00003	.00058	.00039	.00018	.00003	.00263	.00066	.00003	.00006	.00009	.00049	.00243
%RSD	2.0907	.02987	4.2978	.37726	1.7991	3.6370	2.2703	.36006	.54631	.55244	.78244	3.5882	2.3170
#1	.00955	.11042	.01309	.10407	.01038	.00094	.11393	.18292	.00473	.01018	.01082	.01404	.10671
#2	.00928	.11038	.01391	.10463	.01012	.00099	.11765	.18385	.00469	.01010	.01094	.01334	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9863**	**.01013**	**.21374**	**.01014**	**.02045**	**1.2108**	**.04387**	**3.0536**	**.00816**	**-.00063**	**.00976**	**.01610**	**.50801**
Stddev	.0108	.00025	.00194	.00005	.00017	.0066	.00023	.0156	.00052	.00067	.00018	.00181	.02768
%RSD	.36137	2.4858	.90917	.53503	.81532	.54334	.51926	.51187	6.3567	105.86	1.8675	11.238	5.4495
#1	2.9940	.00995	.21511	.01018	.02033	1.2062	.04371	3.0426	.00779	-.00016	.00989	.01738	.52758
#2	2.9787	.01031	.21236	.01011	.02057	1.2155	.04403	3.0647	.00853	-.00111	.00963	.01482	.48843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0871**	**.10591**	**.00973**	**.01838**	**.00998**	**.01638**	F **.02440**	**.00905**	**.02334**	**.01163**
Stddev	.0592	.00085	.00004	.00228	.00021	.00077	.02237	.00034	.00017	.00016
%RSD	5.4495	.80423	.38341	12.401	2.1100	4.7159	91.681	3.7607	.74365	1.3895
#1	1.1290	.10531	.00976	.01677	.00983	.01583	.00858	.00929	.02347	.01174
#2	1.0452	.10651	.00971	.01999	.01013	.01693	.04022	.00881	.02322	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7043.8**	**79561.**	**6498.4**
Stddev	44.3	108.	16.4
%RSD	.62946	.13567	.25273
#1	7075.1	79637.	6486.8
#2	7012.4	79485.	6510.1

Sample Name: mb 280-200655/1-a Acquired: 11/15/2013 0:10:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00113**	**.00824**	**.00301**	**.00036**	**.00064**	**.00001**	**.00178**	W **.07370**	**-.00013**	**-.00009**
Stddev	.00047	.00040	.00033	.00023	.00028	.00012	.00051	.00235	.00034	.00007
%RSD	41.849	4.9151	10.927	63.438	44.087	1386.3	28.757	3.1866	258.55	84.570
#1	-.00146	.00795	.00324	.00052	.00044	-.00008	.00142	.07204	-.00037	-.00004
#2	-.00079	.00853	.00278	.00020	.00085	.00010	.00215	.07536	.00011	-.00014
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.01000							.02706		
Low Limit	-.00010							-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00406**	**.00093**	**.01395**	**.10134**	**.00063**	**.00707**	W **.00078**	**-.00015**	W **.24224**	**.00028**
Stddev	.00004	.00002	.00388	.02331	.00362	.00024	.00006	.00024	.00830	.00017
%RSD	1.0001	1.8805	27.834	23.001	572.77	3.3957	7.8118	158.14	3.4264	60.071
#1	.00403	.00094	.01121	.11782	.00319	.00724	.00082	-.00032	.23637	.00016
#2	.00409	.00092	.01670	.08486	-.00193	.00690	.00073	.00002	.24811	.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit	.00257						.00023		.05054	
Low Limit	-.01000						-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00080**	F **.01300**	**.00178**	**-.00135**	**.00690**	**.01477**	**-.00016**	W **.00063**	W **.00296**
Stddev	.00006	.00080	.00079	.00228	.00116	.01873	.04008	.00005	.00002	.00119
%RSD	6.6439	100.54	6.0507	128.07	85.720	271.40	271.40	28.032	3.8508	40.038
#1	.00089	-.00023	.01355	.00339	-.00217	.02014	.04311	-.00013	.00061	.00380
#2	.00097	-.00136	.01244	.00017	-.00053	-.00634	-.01357	-.00020	.00065	.00212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn
High Limit			.01000						.00058	.00000
Low Limit			-.01000						-.00500	-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00026**	**-.02183**	**.00004**	F **.01221**	**.00041**
Stddev	.00034	.00002	.05241	.00034	.00015	.00032
%RSD	154.41	6.1766	240.04	882.19	1.2191	76.771
#1	-.00046	.00027	-.05889	.00028	.01232	.00064
#2	.00002	.00025	.01522	-.00020	.01210	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.01000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6955.5**	**78408.**	**6450.7**
Stddev	.2	159.	28.9
%RSD	.00291	.20220	.44810
#1	6955.7	78296.	6471.1
#2	6955.4	78520.	6430.2

Sample Name: lcs 280-200655/2-a Acquired: 11/15/2013 0:13:06 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05258**	**2.0202**	**1.0527**	**1.0686**	**2.0161**	**.04699**	**2.1555**	**45.247**	**.09720**	**.49196**
Stddev	.00002	.0012	.0009	.0036	.0228	.00054	.0088	.550	.00027	.00042
%RSD	.03998	.05737	.08455	.33249	1.1326	1.1526	.40663	1.2149	.27698	.08630
#1	.05256	2.0194	1.0534	1.0661	2.0323	.04737	2.1493	45.636	.09701	.49226
#2	.05259	2.0210	1.0521	1.0711	2.0000	.04660	2.1617	44.859	.09739	.49166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21679**	**.24972**	**1.0349**	**48.448**	**.99745**	**51.720**	**.49357**	**1.0531**	**50.674**	**.52971**
Stddev	.00076	.00132	.0044	.525	.01206	.110	.00062	.0018	.189	.00238
%RSD	.34999	.52846	.42420	1.0846	1.2096	.21226	.12639	.17425	.37261	.45007
#1	.21625	.25065	1.0380	48.820	1.0060	51.797	.49401	1.0544	50.808	.52802
#2	.21733	.24879	1.0318	48.077	.98891	51.642	.49313	1.0518	50.541	.53139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.608**	**.46544**	**-.00171**	**.51290**	**2.1357**	**10.250**	**21.936**	**2.0701**	**.98024**	**1.0157**
Stddev	.060	.00031	.00071	.00274	.0064	.021	.045	.0021	.01104	.0085
%RSD	.56481	.06721	41.644	.53405	.29897	.20699	.20699	.10087	1.1264	.83793
#1	10.650	.46522	-.00121	.51096	2.1402	10.265	21.968	2.0716	.98804	1.0217
#2	10.565	.46567	-.00221	.51483	2.1311	10.235	21.904	2.0686	.97243	1.0096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0329**	**1.9229**	F **3.2994**	**.48964**	**.51180**	**.47125**
Stddev	.0030	.0090	.0256	.00199	.00236	.00118
%RSD	.28649	.46577	.77503	.40640	.46074	.24959
#1	1.0350	1.9292	3.3175	.49105	.51347	.47208
#2	1.0308	1.9166	3.2814	.48823	.51014	.47042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6735.0**	**75503.**	**6476.4**
Stddev	3.2	124.	90.1
%RSD	.04695	.16459	1.3907
#1	6737.2	75416.	6412.7
#2	6732.8	75591.	6540.1

Sample Name: 280-49038-c-1-a Acquired: 11/15/2013 0:15:14 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.06453**	**.00183**	**.10286**	**1.0747**	**.00008**	**-.00232**	**6.6393**	**-.00028**	**-.00056**
Stddev	.00037	.00062	.00068	.00117	.0043	.00007	.00284	.0001	.00004	.00013
%RSD	24.536	.96854	36.835	1.1395	.40455	84.761	122.65	.00126	13.725	22.316
#1	-.00179	.06409	.00231	.10369	1.0716	.00003	-.00433	6.6393	-.00025	-.00047
#2	-.00126	.06497	.00136	.10203	1.0778	.00013	-.00031	6.6392	-.00030	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29312**	**.00801**	**2.5574**	**4.3875**	**.06722**	**1.3987**	**.03473**	**.00988**	W **725.50**	**.00120**
Stddev	.00084	.00117	.0068	.0848	.00131	.0051	.00009	.00009	2.64	.00021
%RSD	.28537	14.559	.26742	1.9317	1.9431	.36334	.26621	.90246	.36376	17.677
#1	.29253	.00884	2.5526	4.3276	.06814	1.4023	.03479	.00982	723.64	.00135
#2	.29371	.00719	2.5622	4.4474	.06630	1.3951	.03466	.00995	727.37	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09823**	**.00197**	**.31531**	**-.00105**	**-.00111**	**8.8938**	**19.033**	**-.00018**	**.83252**	**.00401**
Stddev	.00104	.00052	.00372	.00004	.00003	.0321	.069	.00053	.00269	.00106
%RSD	1.0608	26.555	1.1795	3.8409	2.7131	.36144	.36144	290.19	.32347	26.513
#1	.09749	.00235	.31268	-.00108	-.00113	8.8710	18.984	.00019	.83062	.00476
#2	.09897	.00160	.31794	-.00102	-.00109	8.9165	19.081	-.00056	.83443	.00326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00014**	**-.03793**	**.00115**	**.01439**	**.00300**
Stddev	.00011	.00096	.02785	.00067	.00056	.00171
%RSD	9.7424	672.59	73.420	58.316	3.8726	56.980
#1	.00124	-.00054	-.05763	.00067	.01478	.00420
#2	.00108	.00082	-.01824	.00162	.01399	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6483.0**	**72240.**	**6504.5**
Stddev	13.5	187.	114.7
%RSD	.20785	.25953	1.7626
#1	6473.5	72372.	6423.4
#2	6492.5	72107.	6585.6

Sample Name: 280-49038-c-1-aSD@5 Acquired: 11/15/2013 0:17:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.01838**	**-.00099**	**.02160**	**.21527**	**.00006**	**.00142**	**1.3347**	**-.00016**	**-.00042**
Stddev	.00073	.00057	.00137	.00074	.00090	.00001	.00014	.0030	.00008	.00008
%RSD	49.380	3.1058	138.74	3.4221	.41926	23.309	9.9910	.22370	47.770	20.110
#1	-.00201	.01798	-.00002	.02108	.21591	.00005	.00132	1.3326	-.00022	-.00047
#2	-.00097	.01878	-.00196	.02212	.21463	.00007	.00152	1.3368	-.00011	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05793**	**.00125**	**.52249**	**.98146**	**.01505**	**.28817**	**.00709**	**.00192**	**144.28**	**.00038**
Stddev	.00043	.00015	.00269	.00595	.00038	.00354	.00009	.00011	.14	.00011
%RSD	.74311	11.600	.51516	.60669	2.5505	1.2279	1.2037	5.8947	.09747	30.037
#1	.05763	.00136	.52059	.97725	.01478	.29067	.00715	.00200	144.18	.00030
#2	.05824	.00115	.52440	.98567	.01532	.28567	.00703	.00184	144.38	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01668**	**.00074**	**.06255**	**.00079**	**-.00173**	**1.7567**	**3.7594**	**.00111**	**.16603**	**.00355**
Stddev	.00035	.00072	.00105	.00063	.00106	.0047	.0101	.00102	.00033	.00032
%RSD	2.1247	96.439	1.6803	79.456	61.061	.26775	.26775	91.384	.20116	8.9255
#1	.01693	.00024	.06329	.00035	-.00098	1.7600	3.7665	.00039	.16627	.00377
#2	.01643	.00125	.06181	.00124	-.00248	1.7534	3.7522	.00183	.16579	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00087**	**-.03042**	**.00018**	**.00759**	**.00229**
Stddev	.00007	.00092	.08610	.00003	.00021	.00089
%RSD	43.750	106.14	283.02	17.786	2.7714	38.653
#1	.00021	.00022	.03046	.00020	.00744	.00166
#2	.00011	.00152	-.09131	.00016	.00773	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6783.5**	**76135.**	**6419.2**
Stddev	13.2	282.	2.4
%RSD	.19505	.37039	.03747
#1	6792.9	76334.	6420.9
#2	6774.1	75935.	6417.5

Sample Name: 280-49038-c-1-b ms Acquired: 11/15/2013 0:20:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05440**	**2.0432**	**1.0811**	**1.1263**	**3.0704**	**.04714**	F **2.1097**	**51.546**	**.09812**	**.47985**
Stddev	.00063	.0052	.0096	.0094	.0011	.00003	.0198	.050	.00062	.00306
%RSD	1.1573	.25533	.88389	.83399	.03720	.07346	.94030	.09739	.63212	.63697
#1	.05395	2.0395	1.0743	1.1196	3.0712	.04711	2.0956	51.582	.09768	.47769
#2	.05484	2.0469	1.0879	1.1329	3.0696	.04716	2.1237	51.511	.09856	.48201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48924**	**.25794**	**3.5228**	**55.770**	**1.0944**	**51.084**	**.52311**	**1.0560**	W **761.17**	**.51626**
Stddev	.00227	.00003	.0032	.093	.0002	.030	.00022	.0053	.60	.00358
%RSD	.46482	.01030	.08955	.16626	.01439	.05909	.04165	.50650	.07856	.69361
#1	.48764	.25792	3.5206	55.705	1.0943	51.063	.52296	1.0522	761.59	.51372
#2	.49085	.25796	3.5251	55.836	1.0945	51.106	.52326	1.0598	760.75	.51879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.021**	**.44585**	**.27433**	**.51332**	**2.1587**	**19.272**	**41.242**	W **2.0197**	**1.7960**	**1.0196**
Stddev	.082	.00283	.00264	.00243	.0229	.067	.144	.0070	.0009	.0011
%RSD	.74505	.63384	.96205	.47253	1.0591	.34869	.34869	.34629	.05094	.10918
#1	10.963	.44386	.27247	.51161	2.1425	19.319	41.344	2.0147	1.7954	1.0188
#2	11.079	.44785	.27620	.51504	2.1748	19.224	41.140	2.0246	1.7967	1.0203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0339**	**1.7376**	**3.2365**	**.49023**	**.53225**	**.47836**
Stddev	.0029	.0087	.0579	.00064	.00046	.00018
%RSD	.28210	.49956	1.7877	.12965	.08620	.03835
#1	1.0360	1.7314	3.1955	.49068	.53258	.47848
#2	1.0319	1.7437	3.2774	.48978	.53193	.47823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6430.4**	**70666.**	**6410.8**
Stddev	16.5	231.	4.5
%RSD	.25677	.32753	.07027
#1	6418.7	70830.	6414.0
#2	6442.1	70502.	6407.6

Sample Name: 280-49038-c-1-c msd Acquired: 11/15/2013 0:22:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05431**	**2.0381**	**1.0985**	**1.1446**	**3.1389**	**.04788**	F **2.1413**	**52.422**	**.09959**	**.48235**
Stddev	.00029	.0023	.0042	.0052	.0018	.00021	.0004	.086	.00038	.00133
%RSD	.54238	.11386	.37913	.45042	.05848	.44377	.01695	.16485	.37829	.27553
#1	.05452	2.0365	1.0955	1.1409	3.1376	.04803	2.1416	52.484	.09933	.48141
#2	.05410	2.0398	1.1014	1.1482	3.1402	.04773	2.1411	52.361	.09986	.48329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49462**	**.26233**	**3.6270**	**56.867**	**1.1123**	**50.816**	**.52532**	**1.0592**	W **786.02**	**.51849**
Stddev	.00064	.00138	.0045	.061	.0002	.104	.00033	.0017	1.05	.00012
%RSD	.12896	.52592	.12375	.10707	.02105	.20449	.06272	.15659	.13400	.02271
#1	.49417	.26330	3.6238	56.824	1.1121	50.743	.52508	1.0581	786.76	.51840
#2	.49507	.26135	3.6301	56.910	1.1124	50.890	.52555	1.0604	785.27	.51857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.106**	**.44734**	**.28607**	**.51446**	**2.1722**	**19.807**	**42.387**	W **2.0154**	**1.8414**	**1.0231**
Stddev	.030	.00003	.00335	.00254	.0044	.109	.233	.0105	.0010	.0032
%RSD	.26955	.00730	1.1697	.49324	.20340	.55001	.55001	.51882	.05463	.31739
#1	11.084	.44736	.28843	.51625	2.1753	19.730	42.222	2.0228	1.8407	1.0208
#2	11.127	.44731	.28370	.51267	2.1690	19.884	42.551	2.0080	1.8421	1.0254
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**1.7424**	**3.2948**	**.49567**	**.52743**	**.48816**
Stddev	.0010	.0119	.0026	.00008	.00168	.00249
%RSD	.09923	.68106	.07973	.01707	.31868	.50984
#1	1.0417	1.7508	3.2967	.49561	.52624	.48640
#2	1.0402	1.7340	3.2930	.49573	.52862	.48992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6520.0**	**72470.**	**6418.7**
Stddev	6.8	299.	2.6
%RSD	.10358	.41219	.04106
#1	6515.3	72681.	6420.5
#2	6524.8	72259.	6416.8

Sample Name: 280-49038-c-2-a Acquired: 11/15/2013 0:24:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**.29531**	**-.00250**	**.05378**	**.74973**	**.00007**	**-.00156**	**2.6785**	**-.00023**	**-.00050**
Stddev	.00041	.00173	.00059	.00012	.00229	.00001	.00096	.0045	.00012	.00004
%RSD	32.363	.58679	23.763	.22538	.30594	12.712	61.210	.16755	53.619	7.5953
#1	-.00099	.29409	-.00292	.05369	.75135	.00007	-.00224	2.6817	-.00032	-.00053
#2	-.00158	.29654	-.00208	.05386	.74811	.00006	-.00089	2.6754	-.00014	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00357**	**.00482**	**2.3127**	**3.5763**	**.04210**	**1.0922**	**.02581**	**.00713**	W **501.05**	**.00215**
Stddev	.00008	.00077	.0054	.0001	.00047	.0017	.00004	.00011	2.67	.00011
%RSD	2.2958	15.914	.23503	.00286	1.1253	.15510	.14906	1.5839	.53219	5.1165
#1	.00363	.00536	2.3088	3.5762	.04243	1.0934	.02583	.00721	502.93	.00223
#2	.00351	.00428	2.3165	3.5764	.04176	1.0910	.02578	.00705	499.16	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07698**	**.00062**	**.21990**	**.00039**	**.00030**	**7.6978**	**16.473**	**.00007**	**.35924**	**.00307**
Stddev	.00078	.00103	.00456	.00011	.00095	.0127	.027	.00017	.00077	.00377
%RSD	1.0192	165.29	2.0744	26.743	320.16	.16431	.16431	254.30	.21348	122.96
#1	.07753	.00135	.21667	.00047	.00097	7.6889	16.454	-.00005	.35978	.00040
#2	.07642	-.00011	.22312	.00032	-.00038	7.7068	16.493	.00019	.35870	.00573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00612**	**.00085**	**-.02701**	**.00078**	**.00552**	**.00065**
Stddev	.00017	.00047	.03713	.00028	.00023	.00074
%RSD	2.7270	55.194	137.43	36.483	4.2346	113.25
#1	.00624	.00052	-.00076	.00058	.00569	.00118
#2	.00600	.00118	-.05327	.00098	.00536	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6616.7**	**74869.**	**6647.9**
Stddev	31.8	262.	36.2
%RSD	.48111	.34964	.54421
#1	6639.2	74684.	6622.3
#2	6594.2	75054.	6673.5

Sample Name: 280-49038-c-3-a Acquired: 11/15/2013 0:26:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.37610**	**.00088**	**.11121**	**1.6155**	**.00002**	**-.00394**	**8.1121**	**-.00018**	**-.00048**
Stddev	.00054	.00063	.00013	.00003	.0008	.00004	.00051	.0069	.00007	.00005
%RSD	37.608	.16704	14.760	.03007	.04964	211.87	13.015	.08447	36.172	9.3086
#1	-.00183	.37654	.00098	.11119	1.6160	.00005	-.00430	8.1072	-.00023	-.00045
#2	-.00106	.37565	.00079	.11123	1.6149	-.00001	-.00358	8.1169	-.00013	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**.01473**	**5.9743**	**5.1542**	**.08106**	**1.6252**	**.05982**	**.00718**	W **721.37**	**.00286**
Stddev	.00009	.00003	.0269	.0680	.00105	.0113	.00024	.00022	.60	.00007
%RSD	3.5946	.19047	.44954	1.3199	1.2954	.69592	.39959	3.0408	.08306	2.2734
#1	.00244	.01471	5.9553	5.1061	.08180	1.6172	.05965	.00703	721.79	.00291
#2	.00232	.01475	5.9933	5.2024	.08031	1.6332	.05999	.00733	720.95	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27648**	**.00357**	**.43039**	**-.00157**	**.00141**	**9.9223**	**21.234**	**-.00004**	**.98721**	**.00204**
Stddev	.00054	.00089	.00031	.00020	.00162	.0300	.064	.00014	.00011	.00197
%RSD	.19496	24.987	.07095	12.827	114.60	.30277	.30277	325.18	.01102	96.176
#1	.27686	.00294	.43018	-.00172	.00027	9.9011	21.188	-.00015	.98729	.00065
#2	.27610	.00420	.43061	-.00143	.00255	9.9436	21.279	.00006	.98714	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00080**	**-.04223**	**.00091**	**.00733**	**.00180**
Stddev	.00036	.00001	.02153	.00064	.00028	.00129
%RSD	8.4448	1.7495	50.993	70.272	3.7885	71.468
#1	.00446	.00081	-.05746	.00136	.00753	.00089
#2	.00395	.00079	-.02700	.00046	.00714	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6566.3**	**72673.**	**6537.2**
Stddev	35.3	371.	26.1
%RSD	.53724	.51085	.39953
#1	6541.4	72935.	6555.6
#2	6591.3	72410.	6518.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 0:29:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00785**	**48.826**	**-.00099**	**.00194**	**.00105**	**-.00011**	W **1.0738**	**.01315**	**.00079**	**-.00113**	**.00022**	**-.00754**
Stddev	.00002	.125	.00197	.00015	.00006	.00005	.0057	.00284	.00016	.00011	.00020	.00030
%RSD	.20225	.25613	200.40	7.8707	5.9352	41.000	.52919	21.584	20.213	9.9602	90.837	4.0257
#1	-.00784	48.737	.00041	.00183	.00110	-.00008	1.0778	.01515	.00090	-.00105	.00008	-.00733
#2	-.00786	48.914	-.00238	.00205	.00101	-.00014	1.0698	.01114	.00068	-.00121	.00036	-.00776
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.929**	**.35186**	**.00261**	**.05187**	**-.00018**	**.00053**	**251.85**	**-.00112**	**.00324**	**-.00251**	**5.0471**	**.00127**
Stddev	.277	.01823	.00036	.00061	.00002	.00001	.09	.00005	.00053	.00129	.0355	.00171
%RSD	.54361	5.1798	13.947	1.1851	11.397	1.6329	.03392	4.2646	16.486	51.489	.70328	134.40
#1	50.733	.36475	.00286	.05231	-.00017	.00053	251.91	-.00109	.00362	-.00160	5.0722	.00249
#2	51.124	.33897	.00235	.05144	-.00020	.00052	251.79	-.00116	.00286	-.00342	5.0220	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.01667**	**.03567**	**-.00098**	**.00009**	**5.0952**	**.01412**	**.00250**	F **8.3982**	**.00110**	**.00218**	**-.07756**
Stddev	.00307	.01972	.04220	.00023	.00013	.0002	.00015	.00003	.0622	.00020	.00009	.00006
%RSD	179.33	118.31	118.31	23.587	138.47	.00471	1.0868	1.1691	.74101	17.752	4.0892	.07217
#1	-.00389	.00272	.00583	-.00114	.00000	5.0954	.01423	.00248	8.3542	.00124	.00225	-.07752
#2	.00046	.03061	.06552	-.00081	.00018	5.0950	.01401	.00252	8.4422	.00096	.00212	-.07760
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.4**	**76667.**	**6626.5**
Stddev	.2	264.	5.4
%RSD	.00261	.34441	.08142
#1	6881.3	76854.	6622.6
#2	6881.5	76480.	6630.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 0:31:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54387**	**.53834**	**1.0578**	**.53347**	**.50529**	**.47268**	**-.00763**	**4.6852**	**.48539**	**.50232**	**.53611**	**.50371**	**2.6112**
Stddev	.00516	.00064	.0025	.00448	.00069	.00086	.00096	.0354	.00028	.00027	.00025	.00198	.0098
%RSD	.94786	.11809	.23394	.83967	.13693	.18137	12.620	.75623	.05755	.05342	.04688	.39371	.37520
#1	.54023	.53790	1.0561	.53030	.50480	.47329	-.00695	4.7103	.48559	.50251	.53593	.50231	2.6181
#2	.54752	.53879	1.0596	.53663	.50578	.47207	-.00832	4.6602	.48519	.50214	.53629	.50511	2.6043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.052**	**.98857**	**20.508**	**.49527**	**.52789**	F **5.5458**	**.54328**	**1.0513**	**.96357**	**-.00504**	**1.0327**	**1.0785**	**5.1618**
Stddev	.110	.00290	.072	.00083	.00004	.0672	.00369	.0020	.00110	.00452	.0025	.0015	.0403
%RSD	.22793	.29341	.35066	.16673	.00820	1.2118	.67877	.19358	.11457	89.829	.23950	.13638	.78005
#1	48.129	.98652	20.457	.49468	.52793	5.5933	.54067	1.0528	.96436	-.00824	1.0344	1.0774	5.1902
#2	47.975	.99062	20.559	.49585	.52786	5.4982	.54589	1.0499	.96279	-.00184	1.0309	1.0795	5.1333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.046**	**1.0437**	**.49135**	**.00557**	**.50741**	**1.0078**	**-.05534**	**.48284**	**.51320**	**.48856**
Stddev	.086	.0005	.00073	.00278	.00065	.0018	.03177	.00068	.00190	.00447
%RSD	.78005	.04703	.14870	49.846	.12757	.17523	57.412	.14073	.37006	.91427
#1	11.107	1.0433	.49084	.00753	.50695	1.0090	-.07781	.48332	.51454	.49171
#2	10.985	1.0440	.49187	.00361	.50787	1.0065	-.03287	.48236	.51185	.48540
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.9**	**78382.**	**6529.5**
Stddev	17.9	87.	16.3
%RSD	.25571	.11103	.24918
#1	7002.5	78321.	6518.0
#2	6977.3	78444.	6541.0

Sample Name: CCB Acquired: 11/15/2013 0:33:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00134**	**-.00022**	**-.00238**	**.00165**	**.00014**	**.00011**	**.00209**	**-.00282**	**-.00013**	**-.00005**	**-.00014**
Stddev	.00079	.00008	.00014	.00066	.00032	.00007	.00102	.00227	.00004	.00003	.00001
%RSD	59.103	38.694	6.0395	39.942	228.60	66.483	48.796	80.460	34.245	52.083	10.657
#1	-.00078	-.00016	-.00227	.00118	-.00009	.00006	.00137	-.00442	-.00010	-.00003	-.00015
#2	-.00189	-.00028	-.00248	.00211	.00037	.00016	.00281	-.00121	-.00016	-.00007	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**-.00058**	**.19850**	**.00044**	**.00091**	**.00002**	**.00006**	F **.40339**	**-.00006**	**.00095**	**-.00006**
Stddev	.00036	.00047	.02853	.00047	.00293	.00001	.00026	.02023	.00003	.00119	.00029
%RSD	28.904	80.955	14.373	107.03	322.91	63.905	463.03	5.0138	45.780	125.57	456.52
#1	-.00098	-.00091	.17833	.00077	-.00116	.00003	.00024	.41770	-.00008	.00179	-.00026
#2	-.00149	-.00025	.21868	.00011	.00298	.00001	-.00013	.38909	-.00004	.00011	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	W **.00508**	**.00177**	**.01176**	**.02517**	**-.00046**	**-.00009**	**.00237**	**-.00011**	**.00078**	**-.02949**
Stddev	.00053	.00062	.00165	.01907	.04081	.00019	.00009	.00158	.00009	.00032	.03214
%RSD	240.64	12.231	93.423	162.11	162.11	42.490	106.17	66.837	82.872	40.354	108.97
#1	.00016	.00551	.00060	-.00172	-.00368	-.00032	-.00002	.00125	-.00004	.00056	-.05222
#2	-.00060	.00464	.00293	.02525	.05403	-.00060	-.00015	.00349	-.00017	.00101	-.00677
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00316**	**-.00016**
Stddev	.00012	.00008	.00378
%RSD	137.74	2.5455	2328.0
#1	.00000	.00310	.00251
#2	-.00017	.00321	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6898.6**	**78928.**	**6529.8**
Stddev	22.6	77.	47.6
%RSD	.32724	.09751	.72914
#1	6882.6	78982.	6563.5
#2	6914.6	78873.	6496.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 0:36:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.10989**	**.01387**	**.10533**	**.01050**	**.00097**	**.11867**	**.18939**	**.00483**	**.01022**	**.01082**	**.01400**	**.10720**
Stddev	.00032	.00008	.00270	.00039	.00007	.00002	.00103	.00112	.00007	.00032	.00019	.00056	.00011
%RSD	3.1623	.06887	19.489	.36825	.68110	2.0769	.86630	.59078	1.4899	3.1237	1.8022	3.9939	.10538
#1	.01034	.10994	.01578	.10506	.01055	.00095	.11794	.18860	.00478	.01045	.01095	.01360	.10728
#2	.00989	.10984	.01196	.10560	.01045	.00098	.11939	.19018	.00488	.01000	.01068	.01439	.10712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9763**	**.01248**	**.21723**	**.01005**	**.02031**	F **1.3342**	**.04406**	**3.0702**	**.00851**	**.00072**	**.01024**	**.01644**	**.51522**
Stddev	.0328	.00205	.00134	.00002	.00005	.0219	.00030	.0010	.00125	.00164	.00214	.00071	.00581
%RSD	1.1015	16.389	.61477	.17552	.25353	1.6426	.67811	.03165	14.719	227.51	20.945	4.3219	1.1278
#1	2.9531	.01103	.21628	.01006	.02027	1.3496	.04427	3.0709	.00762	.00188	.00872	.01594	.51933
#2	2.9995	.01393	.21817	.01004	.02034	1.3187	.04385	3.0695	.00939	-.00044	.01176	.01694	.51111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1026**	**.10719**	**.00966**	**.01701**	**.01025**	**.01660**	F **.08664**	**.00952**	**.02499**	**.01443**
Stddev	.0124	.00023	.00002	.00099	.00011	.00008	.00020	.00021	.00020	.00096
%RSD	1.1278	.21309	.24597	5.8086	1.1200	.50229	.23533	2.1901	.78085	6.6231
#1	1.1114	.10702	.00965	.01770	.01033	.01655	.08650	.00966	.02513	.01510
#2	1.0938	.10735	.00968	.01631	.01017	.01666	.08679	.00937	.02486	.01375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.6**	**80050.**	**6605.8**
Stddev	22.3	29.	23.4
%RSD	.31440	.03616	.35381
#1	7114.4	80029.	6622.3
#2	7082.8	80070.	6589.2

Sample Name: 280-49081-a-1-a Acquired: 11/15/2013 0:38:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02726**	**.42098**	**.00575**	**1.7718**	**.00077**	**.00005**	**.00470**	**1.9926**	**.00108**	**.00076**
Stddev	.00045	.02999	.00233	.0096	.00007	.00005	.00253	.0055	.00000	.00057
%RSD	1.6439	7.1247	40.636	.54194	9.5147	90.580	53.816	.27782	.12772	75.431
#1	.02757	.39977	.00740	1.7786	.00083	.00002	.00649	1.9887	.00108	.00035
#2	.02694	.44218	.00409	1.7650	.00072	.00009	.00291	1.9966	.00108	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14488**	**.05200**	**.00994**	**51.659**	**.05765**	**1.4999**	**.00095**	**.02809**	RF **10099.**	**.32115**
Stddev	.00009	.00029	.00107	1.521	.00385	.0036	.00001	.00092	13.	.00146
%RSD	.06304	.56132	10.795	2.9437	6.6741	.23757	.89686	3.2666	.13253	.45490
#1	.14481	.05221	.01070	50.584	.06037	1.4974	.00094	.02744	10090.	.32218
#2	.14494	.05179	.00918	52.735	.05493	1.5025	.00095	.02874	10109.	.32011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **933.97**	**-.00003**	F **2553.3**	**.02741**	**.00399**	**7.2358**	**15.485**	**.00289**	**.00927**	**.00122**
Stddev	4.23	.00132	12.5	.00124	.00203	.0720	.154	.00159	.00010	.00149
%RSD	.45295	4543.3	.49012	4.5199	50.903	.99509	.99509	54.836	1.0560	122.79
#1	936.96	.00090	2562.2	.02653	.00256	7.1849	15.376	.00177	.00920	.00016
#2	930.97	-.00096	2544.5	.02829	.00543	7.2867	15.594	.00402	.00934	.00227
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00092**	**-.04446**	**.00355**	**.00745**	**-.00155**
Stddev	.00028	.00117	.01364	.00011	.00062	.00151
%RSD	98.470	127.04	30.669	2.9704	8.3791	97.558
#1	.00048	.00009	-.03482	.00348	.00789	-.00262
#2	.00009	.00175	-.05411	.00363	.00701	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5404.8**	**58054.**	**6016.5**
Stddev	25.6	104.	57.8
%RSD	.47351	.17910	.96014
#1	5386.7	58128.	6057.4
#2	5422.8	57981.	5975.7

Sample Name: 280-49081-a-2-a Acquired: 11/15/2013 0:41:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05517**	**.02973**	**.00305**	**2.4689**	**.00220**	**.00003**	**.00396**	**1.6790**	**.00059**	**.00010**
Stddev	.00045	.00013	.00001	.0028	.00039	.00006	.00195	.0112	.00008	.00008
%RSD	.81601	.42184	.32001	.11521	17.809	233.04	49.258	.66405	13.525	79.850
#1	.05549	.02982	.00304	2.4669	.00248	.00007	.00533	1.6711	.00053	.00004
#2	.05485	.02964	.00305	2.4709	.00192	-.00002	.00258	1.6869	.00064	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01249**	**.04447**	**.01464**	**88.202**	**.04027**	**.99129**	**.00080**	**.03086**	RW **6219.8**	**.44104**
Stddev	.00003	.00073	.00210	.133	.00164	.00041	.00009	.00021	2.9	.00045
%RSD	.20948	1.6345	14.380	.15106	4.0710	.04159	10.671	.66817	.04621	.10128
#1	.01247	.04498	.01315	88.108	.03911	.99099	.00086	.03072	6217.7	.44136
#2	.01251	.04395	.01612	88.296	.04143	.99158	.00074	.03101	6221.8	.44073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **780.20**	**.00080**	F **1284.1**	**.02159**	**.00359**	**5.9460**	**12.724**	**.00967**	**.00808**	**.00124**
Stddev	2.75	.00051	6.3	.00082	.00779	.0755	.162	.00026	.00012	.00136
%RSD	.35255	63.919	.49011	3.8072	216.84	1.2694	1.2694	2.6788	1.5162	109.54
#1	778.26	.00044	1279.7	.02101	-.00192	5.8926	12.610	.00985	.00799	.00028
#2	782.15	.00116	1288.6	.02217	.00910	5.9993	12.839	.00948	.00817	.00220
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00036**	**-.00967**	**.00078**	**.01201**	**.00046**
Stddev	.00020	.00089	.04360	.00012	.00035	.00044
%RSD	130.68	244.89	450.82	16.019	2.8721	97.228
#1	.00030	-.00026	-.04050	.00087	.01177	.00077
#2	.00001	.00099	.02116	.00069	.01226	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5736.9**	**61901.**	**6213.9**
Stddev	26.6	158.	117.1
%RSD	.46430	.25507	1.8850
#1	5755.7	61790.	6131.1
#2	5718.1	62013.	6296.8

Sample Name: 280-49081-a-3-a Acquired: 11/15/2013 0:44:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.21769**	**-.00119**	**.39951**	**.00214**	**.00005**	**.00001**	**1.7186**	**.00004**	**-.00035**
Stddev	.00064	.00093	.00132	.00035	.00044	.00005	.00101	.0357	.00015	.00001
%RSD	5.8355	.42519	110.93	.08805	20.476	92.825	7041.7	2.0784	350.75	1.6509
#1	.01046	.21835	-.00026	.39976	.00183	.00009	-.00070	1.6934	-.00006	-.00035
#2	.01136	.21704	-.00212	.39926	.00244	.00002	.00073	1.7439	.00015	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02383**	**.04187**	**.01859**	**33.888**	**.01680**	**5.7539**	**.00076**	**.01267**	RW **1988.0**	**.24224**
Stddev	.00011	.00044	.00073	.701	.00005	.0592	.00002	.00010	34.3	.00103
%RSD	.45673	1.0522	3.9443	2.0673	.30298	1.0294	2.3220	.77747	1.7275	.42635
#1	.02390	.04156	.01808	33.393	.01676	5.7120	.00077	.01274	1963.8	.24297
#2	.02375	.04219	.01911	34.384	.01684	5.7958	.00075	.01261	2012.3	.24151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **200.64**	**-.00035**	F **853.31**	**.00888**	**.00217**	**6.0209**	**12.885**	**.00126**	**.00743**	**.00057**
Stddev	.70	.00083	2.02	.00052	.00016	.1306	.280	.00075	.00006	.00081
%RSD	.34689	239.62	.23622	5.8066	7.4231	2.1699	2.1699	59.519	.85974	141.69
#1	201.13	.00024	854.73	.00925	.00229	5.9286	12.687	.00073	.00738	.00000
#2	200.15	-.00093	851.88	.00852	.00206	6.1133	13.083	.00180	.00747	.00114
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00006**	**-.01694**	**.00127**	**.00728**	**-.00119**
Stddev	.00031	.00036	.05279	.00009	.00026	.00259
%RSD	147.98	575.55	311.65	7.2736	3.6231	217.77
#1	.00043	-.00032	-.05427	.00134	.00747	-.00302
#2	-.00001	.00019	.02039	.00121	.00710	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6215.1**	**67485.**	**6485.0**
Stddev	30.1	508.	83.9
%RSD	.48463	.75249	1.2937
#1	6193.8	67844.	6544.4
#2	6236.4	67126.	6425.7

Sample Name: 280-49081-a-4-a Acquired: 11/15/2013 0:47:55 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01960**	**.07447**	**-.00076**	**.48556**	**.00171**	**.00001**	**.00290**	**2.3598**	**-.00020**	**-.00045**
Stddev	.00033	.00021	.00192	.00059	.00001	.00017	.00013	.0252	.00005	.00013
%RSD	1.7025	.28137	250.73	.12090	.36013	1286.1	4.3205	1.0686	27.259	29.270
#1	.01936	.07461	.00059	.48514	.00171	.00013	.00281	2.3777	-.00016	-.00055
#2	.01983	.07432	-.00212	.48597	.00170	-.00011	.00298	2.3420	-.00024	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01118**	**.05061**	**.01748**	**43.487**	**.03188**	**4.8532**	**.00079**	**.08419**	RW **4693.3**	**.47953**
Stddev	.00023	.00028	.00016	.295	.00024	.0043	.00010	.00004	7.8	.00005
%RSD	2.0892	.55235	.92701	.67773	.75684	.08973	12.356	.04994	.16629	.01046
#1	.01102	.05081	.01760	43.279	.03205	4.8563	.00086	.08422	4698.9	.47956
#2	.01135	.05042	.01737	43.696	.03171	4.8501	.00072	.08417	4687.8	.47949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **215.93**	**-.00034**	F **1070.0**	**.00652**	**.00112**	**6.6915**	**14.320**	**.00068**	**.01029**	**.00161**
Stddev	.09	.00036	1.4	.00068	.00420	.0244	.052	.00044	.00003	.00205
%RSD	.04039	106.41	.13246	10.489	376.35	.36506	.36506	64.847	.32650	127.32
#1	215.87	-.00060	1069.0	.00700	.00409	6.7088	14.357	.00037	.01032	.00016
#2	215.99	-.00008	1071.0	.00603	-.00185	6.6742	14.283	.00099	.01027	.00306
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00057**	**-.02394**	**.00128**	**.00892**	**.00082**
Stddev	.00022	.00065	.00281	.00015	.00012	.00129
%RSD	345.68	113.24	11.734	11.419	1.3655	156.46
#1	-.00009	.00103	-.02592	.00138	.00884	.00173
#2	.00022	.00011	-.02195	.00117	.00901	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5841.8**	**63556.**	**6298.2**
Stddev	1.6	246.	43.7
%RSD	.02774	.38652	.69310
#1	5842.9	63382.	6267.4
#2	5840.6	63729.	6329.1

Sample Name: 280-49081-a-5-a Acquired: 11/15/2013 0:50:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03711**	**.04348**	**.00208**	**2.5739**	**.00162**	**-.00002**	**.00367**	**1.2973**	**.00121**	**.00025**
Stddev	.00012	.00034	.00151	.0028	.00009	.00003	.00038	.0156	.00003	.00012
%RSD	.31121	.78906	72.476	.10733	5.3913	134.33	10.377	1.2004	2.8088	49.044
#1	.03719	.04373	.00101	2.5720	.00169	-.00005	.00394	1.2863	.00119	.00033
#2	.03703	.04324	.00314	2.5759	.00156	.00000	.00340	1.3083	.00124	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.01931**	**.01607**	**53.825**	**.03787**	**4.4284**	**.00042**	**.02100**	RW **5926.9**	**.47844**
Stddev	.00005	.00051	.00098	.833	.00071	.0217	.00001	.00004	62.8	.00069
%RSD	1.7167	2.6291	6.0980	1.5470	1.8671	.48924	2.5859	.17043	1.0594	.14511
#1	.00289	.01895	.01537	53.236	.03737	4.4131	.00042	.02103	5882.6	.47893
#2	.00296	.01967	.01676	54.414	.03837	4.4437	.00043	.02098	5971.3	.47795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **867.40**	**-.00017**	F **1330.9**	**.01331**	**.00280**	**5.6279**	**12.044**	**-.00011**	**.00546**	**.00197**
Stddev	5.99	.00033	3.5	.00127	.00485	.0935	.200	.00039	.00018	.00221
%RSD	.69034	187.95	.26633	9.5627	173.29	1.6611	1.6611	369.09	3.2328	112.08
#1	871.64	.00006	1328.4	.01241	-.00063	5.5618	11.902	-.00038	.00533	.00354
#2	863.17	-.00040	1333.4	.01421	.00623	5.6940	12.185	.00017	.00558	.00041
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00042**	**-.03098**	**.00265**	**.00702**	**-.00082**
Stddev	.00052	.00034	.03241	.00030	.00016	.00149
%RSD	168.11	80.282	104.63	11.395	2.2483	182.35
#1	.00006	.00066	-.05390	.00243	.00691	-.00187
#2	-.00068	.00018	-.00806	.00286	.00714	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5777.5**	**62452.**	**6190.3**
Stddev	23.9	393.	23.3
%RSD	.41375	.62953	.37715
#1	5760.6	62730.	6206.9
#2	5794.4	62174.	6173.8

Sample Name: 280-49081-a-6-a Acquired: 11/15/2013 0:54:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04502**	**.16837**	**.00935**	**2.7522**	**.00326**	**.00018**	**.00393**	**2.3981**	**.00248**	**.00098**
Stddev	.00093	.00164	.00049	.0085	.00041	.00003	.00225	.0667	.00018	.00024
%RSD	2.0768	.97496	5.2928	.30904	12.580	19.017	57.200	2.7799	7.2943	24.723
#1	.04568	.16721	.00900	2.7462	.00297	.00016	.00552	2.3510	.00261	.00080
#2	.04436	.16953	.00970	2.7582	.00355	.00020	.00234	2.4452	.00235	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01831**	**.16539**	**.02314**	W **101.70**	**.09168**	**5.2692**	**.00088**	**.03969**	RF **12657.**	**.78394**
Stddev	.00004	.00059	.00198	5.13	.00477	.0270	.00009	.00006	1018.	.00233
%RSD	.22160	.35470	8.5680	5.0460	5.2042	.51248	10.206	.14116	8.0412	.29743
#1	.01834	.16581	.02174	98.068	.08831	5.2501	.00094	.03973	11938.	.78229
#2	.01828	.16498	.02454	105.32	.09505	5.2883	.00081	.03965	13377.	.78559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00					10000.	
Low Limit				-.50000					9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1053.0**	**-.00103**	F **2379.4**	**.01373**	**.00649**	**7.8054**	**16.704**	**.00426**	**.01039**	**.00181**
Stddev	10.3	.00138	1.4	.00096	.00078	.2288	.490	.00119	.00033	.00003
%RSD	.97861	134.32	.05839	6.9789	12.092	2.9306	2.9306	27.865	3.1835	1.6777
#1	1045.7	-.00005	2380.4	.01305	.00704	7.6437	16.357	.00510	.01016	.00179
#2	1060.3	-.00200	2378.4	.01441	.00593	7.9672	17.050	.00342	.01063	.00183
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00092**	**-.03057**	**.00153**	**.01143**	**-.00025**
Stddev	.00010	.00157	.00544	.00014	.00020	.00162
%RSD	32.557	170.71	17.792	9.1982	1.7683	651.23
#1	.00037	.00019	-.03442	.00163	.01129	.00089
#2	.00023	-.00203	-.02672	.00143	.01157	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5248.0**	**55871.**	**6079.3**
Stddev	3.9	179.	192.5
%RSD	.07392	.31991	3.1667
#1	5245.3	55997.	6215.4
#2	5250.8	55745.	5943.2

Sample Name: 280-49081-a-7-a Acquired: 11/15/2013 0:57:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05772**	**.13367**	**.00355**	**2.4088**	**.00148**	**-.00003**	**.00294**	**1.4624**	**.00161**	**.00062**
Stddev	.00100	.00206	.00102	.0244	.00039	.00014	.00073	.1025	.00002	.00015
%RSD	1.7253	1.5384	28.884	1.0146	26.387	461.08	24.727	7.0055	1.0541	23.240
#1	.05701	.13222	.00427	2.3916	.00120	.00007	.00346	1.3899	.00163	.00052
#2	.05842	.13513	.00282	2.4261	.00175	-.00013	.00243	1.5348	.00160	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02071**	**.03979**	**.01214**	W **107.41**	**.04038**	**3.0473**	**.00064**	**.02210**	RW **7977.6**	**.62383**
Stddev	.00021	.00054	.00202	7.95	.00157	.0340	.00004	.00010	525.5	.00849
%RSD	1.0125	1.3466	16.646	7.4010	3.8846	1.1171	6.1431	.43566	6.5876	1.3611
#1	.02056	.03941	.01071	101.79	.03927	3.0232	.00061	.02204	7606.0	.61782
#2	.02085	.04017	.01357	113.03	.04149	3.0713	.00067	.02217	8349.3	.62983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **991.68**	**-.00089**	F **1923.7**	**.00622**	**.00585**	**6.6756**	**14.286**	**.00182**	**.00596**	**.00096**
Stddev	6.63	.00174	3.6	.00099	.00447	.4624	.990	.00174	.00039	.00083
%RSD	.66823	196.24	.18776	15.905	76.498	6.9266	6.9266	95.817	6.5244	86.181
#1	986.99	-.00212	1921.2	.00552	.00269	6.3486	13.586	.00305	.00569	.00155
#2	996.36	.00034	1926.3	.00692	.00901	7.0025	14.985	.00059	.00624	.00038
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00013**	**-.01955**	**.00122**	**.00720**	**-.00001**
Stddev	.00031	.00125	.00761	.00051	.00010	.00110
%RSD	862.07	984.37	38.898	41.886	1.4530	18664.
#1	-.00019	.00076	-.01418	.00159	.00713	-.00079
#2	.00026	-.00101	-.02493	.00086	.00727	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5413.3**	**59588.**	**6310.2**
Stddev	43.8	549.	298.0
%RSD	.80965	.92081	4.7232
#1	5444.3	59976.	6520.9
#2	5382.3	59200.	6099.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:00:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00724**	**48.719**	**.00097**	**.01057**	**.00038**	**-.00004**	W **1.0722**	**.01438**	**.00085**	**-.00093**	**.00033**	**-.00708**
Stddev	.00010	.249	.00105	.00018	.00009	.00002	.0032	.00336	.00025	.00004	.00008	.00050
%RSD	1.3220	.51171	107.64	1.6614	23.327	46.866	.30143	23.379	29.988	4.2997	25.029	7.0668
#1	-.00731	48.895	.00023	.01045	.00032	-.00005	1.0745	.01200	.00067	-.00095	.00039	-.00744
#2	-.00717	48.543	.00171	.01069	.00045	-.00003	1.0699	.01676	.00103	-.00090	.00028	-.00673
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.244**	**1.0161**	**.00307**	**.05323**	**-.00017**	**.00023**	**257.25**	**-.00103**	**.49668**	**-.00258**	F **5.5628**	**-.00017**
Stddev	.167	.0549	.00120	.00093	.00006	.00034	4.05	.00053	.48043	.00055	.2690	.00070
%RSD	.32590	5.4025	39.163	1.7506	34.852	144.73	1.5734	50.967	96.727	21.309	4.8362	409.97
#1	51.362	1.0549	.00222	.05257	-.00013	-.00001	260.11	-.00141	.15697	-.00219	5.3726	.00033
#2	51.126	.97730	.00392	.05389	-.00021	.00047	254.38	-.00066	.83640	-.00296	5.7531	-.00067
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00475**	**.00576**	**.01233**	**.00007**	**-.00005**	**5.0930**	**.01384**	**.00166**	F **8.3113**	**.00104**	**.00264**	**-.07746**
Stddev	.00200	.02429	.05197	.00017	.00006	.0010	.00021	.00015	.0836	.00008	.00001	.00152
%RSD	42.056	421.57	421.57	232.36	109.81	.01992	1.5162	8.8290	1.0060	7.3486	.51413	1.9613
#1	-.00334	.02293	.04908	.00019	-.00001	5.0937	.01369	.00156	8.2522	.00098	.00265	-.07853
#2	-.00616	-.01141	-.02442	-.00005	-.00009	5.0922	.01398	.00177	8.3705	.00109	.00263	-.07638
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6774.0**	**75530.**	**6393.9**
Stddev	29.2	322.	18.8
%RSD	.43081	.42573	.29423
#1	6753.4	75302.	6380.6
#2	6794.7	75757.	6407.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:02:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .55031	.54344	1.0577	.53965	.51201	.47043	-.01012	4.6330	.48799	.50731	.54316	.50626
Stddev	.00020	.00101	.0022	.00054	.00029	.00133	.00055	.0062	.00002	.00041	.00103	.00284
%RSD	.03720	.18572	.20463	.10038	.05635	.28338	5.4749	.13416	.00378	.08160	.18991	.56167
#1	.55046	.54416	1.0592	.53927	.51221	.46949	-.00973	4.6286	.48800	.50761	.54243	.50425
#2	.55017	.54273	1.0562	.54004	.51180	.47138	-.01051	4.6374	.48798	.50702	.54389	.50827
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6065	49.037	1.0097	20.841	.50117	.52891	F 7.4861	.54914	F 1.1072	.96135	.22038	1.0228
Stddev	.0023	.116	.0023	.055	.00100	.00072	.0011	.00080	.0014	.00426	.00219	.0005
%RSD	.08829	.23624	.22371	.26599	.19984	.13525	.01469	.14550	.12797	.44359	.99595	.05196
#1	2.6048	49.119	1.0081	20.880	.50188	.52841	7.4854	.54858	1.1082	.95834	.22194	1.0232
#2	2.6081	48.955	1.0113	20.802	.50047	.52942	7.4869	.54971	1.1062	.96437	.21883	1.0224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value							5.0000		1.0000			
Range							10.490%		10.490%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0736	5.1234	10.964	1.0455	.49555	.00612	.51395	1.0026	-.06223	.48741	.52235	.48555
Stddev	.0053	.0098	.021	.0026	.00086	.00150	.00174	.0019	.01662	.00001	.00261	.00042
%RSD	.49393	.19064	.19064	.25083	.17266	24.530	.33803	.19362	26.706	.00203	.50025	.08663
#1	1.0698	5.1303	10.979	1.0436	.49615	.00506	.51517	1.0012	-.07398	.48742	.52420	.48525
#2	1.0773	5.1165	10.949	1.0473	.49494	.00718	.51272	1.0039	-.05048	.48741	.52051	.48585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6777.1	75812.	6230.2
Stddev	11.8	286.	28.3
%RSD	.17461	.37782	.45472
#1	6768.8	75609.	6250.3
#2	6785.5	76014.	6210.2

Sample Name: CCB Acquired: 11/15/2013 1:05:01 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00109**	**-.00085**	**.00067**	F **.00707**	**.00053**	**.00008**	**.00230**	**-.00334**	**-.00006**	**-.00005**	**-.00008**
Stddev	.00034	.00155	.00116	.00041	.00040	.00003	.00187	.00121	.00001	.00002	.00011
%RSD	31.296	181.22	174.48	5.8320	75.111	37.197	81.292	36.330	17.813	47.707	134.29
#1	-.00134	.00024	.00149	.00736	.00025	.00006	.00363	-.00420	-.00006	-.00006	.00000
#2	-.00085	-.00195	-.00016	.00678	.00081	.00010	.00098	-.00248	-.00005	-.00003	-.00016
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**-.00069**	F **.48156**	**.00022**	**.00326**	**.00011**	**.00025**	F **1.8956**	**-.00010**	F **.02767**	**-.00026**
Stddev	.00062	.00153	.00073	.00078	.00151	.00002	.00006	.0214	.00062	.00097	.00054
%RSD	76.083	220.47	.15227	347.03	46.164	15.319	25.059	1.1279	604.92	3.5241	207.23
#1	-.00125	.00039	.48208	.00077	.00220	.00010	.00021	1.9107	-.00054	.02835	.00012
#2	-.00038	-.00177	.48104	-.00033	.00433	.00012	.00030	1.8805	.00034	.02698	-.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			.25000					.18320		.02700	
Low Limit			-.25000					-.18320		-.02700	

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18151**	F **.00691**	**.00069**	**.00534**	**.01143**	**-.00020**	**-.00016**	**.00491**	**.00017**	**.00133**	**-.04136**
Stddev	.00607	.00083	.00092	.01018	.02179	.00071	.00018	.00091	.00003	.00062	.01887
%RSD	3.3438	11.977	133.03	190.60	190.60	357.66	111.67	18.483	17.983	46.083	45.614
#1	.18580	.00632	.00004	.01254	.02684	-.00070	-.00003	.00555	.00019	.00177	-.05470
#2	.17721	.00749	.00134	-.00186	-.00398	.00030	-.00029	.00426	.00015	.00090	-.02802
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00020**	**.00324**	**-.00155**
Stddev	.00031	.00015	.00068
%RSD	157.19	4.6072	43.722
#1	.00042	.00335	-.00107
#2	-.00002	.00314	-.00203
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6774.6**	**76398.**	**6236.0**
Stddev	.5	11.	32.9
%RSD	.00748	.01418	.52823
#1	6774.9	76406.	6212.8
#2	6774.2	76391.	6259.3

Sample Name: CCVL2379751 Acquired: 11/15/2013 1:07:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00983**	**.11236**	**.01662**	**.11142**	**.01078**	**.00096**	**.12134**	**.18380**	**.00476**	**.01032**	**.01111**	**.01427**	**.10729**
Stddev	.00034	.00022	.00002	.00035	.00030	.00007	.00214	.00183	.00010	.00015	.00012	.00036	.00116
%RSD	3.5076	.19869	.11782	.31195	2.7481	7.6029	1.7598	.99544	2.0536	1.4750	1.0866	2.5028	1.0823
#1	.01007	.11220	.01663	.11166	.01057	.00091	.11983	.18251	.00469	.01021	.01120	.01402	.10811
#2	.00958	.11252	.01660	.11117	.01099	.00101	.12285	.18510	.00483	.01043	.01103	.01452	.10647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2780**	**.00952**	**.21652**	**.01022**	**.02065**	F **2.7280**	**.04467**	**3.1372**	**.00819**	**.12588**	**.00981**	**.01478**	**.50172**
Stddev	.0029	.00073	.00206	.00000	.00021	.0207	.00021	.0091	.00109	.00148	.00043	.00487	.00219
%RSD	.08812	7.6398	.95206	.04761	1.0364	.75718	.46594	.29106	13.349	1.1720	4.3708	32.947	.43554
#1	3.2800	.00901	.21798	.01022	.02080	2.7426	.04482	3.1437	.00742	.12483	.00951	.01823	.50017
#2	3.2759	.01004	.21506	.01022	.02050	2.7134	.04453	3.1308	.00897	.12692	.01011	.01134	.50326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0737**	**.10737**	**.00989**	**.01696**	**.00987**	**.01633**	**.05716**	**.01000**	**.02491**	**.01269**
Stddev	.0047	.00081	.00010	.00136	.00001	.00024	.01170	.00071	.00024	.00168
%RSD	.43554	.75375	.96573	8.0178	.15065	1.4628	20.476	7.1343	.98034	13.225
#1	1.0704	.10680	.00983	.01792	.00986	.01650	.04888	.00949	.02509	.01151
#2	1.0770	.10794	.00996	.01600	.00988	.01616	.06544	.01050	.02474	.01388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6990.0**	**78431.**	**6309.5**
Stddev	34.2	317.	13.2
%RSD	.48949	.40430	.20909
#1	6965.8	78207.	6300.1
#2	7014.2	78655.	6318.8

Sample Name: mb 280-200881/1-a Acquired: 11/15/2013 1:09:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00084	.00253	-.00110	W .00444	.00025	-.00001	.00513	.00437	-.00011	-.00022
Stddev	.00020	.00038	.00154	.00001	.00040	.00002	.00170	.00011	.00001	.00001
%RSD	23.360	14.897	140.37	.30314	158.83	337.93	33.251	2.4406	13.203	2.9750
#1	-.00070	.00227	-.00219	.00443	-.00003	-.00002	.00392	.00429	-.00012	-.00022
#2	-.00098	.00280	-.00001	.00445	.00053	.00001	.00633	.00444	-.00010	-.00022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.00067	.00295	W .34290	.00029	.00247	.00012	-.00004	F 1.3028	-.00003
Stddev	.00035	.00005	.00088	.00897	.00178	.00206	.00005	.00012	.0037	.00058
%RSD	375.75	7.3363	29.926	2.6154	607.87	83.738	45.676	319.38	.28380	2176.1
#1	.00034	-.00070	.00358	.33656	-.00097	.00101	.00016	-.00012	1.3054	.00039
#2	-.00015	-.00063	.00233	.34924	.00155	.00393	.00008	.00005	1.3002	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.32279					1.0000	
Low Limit				-1.0000					-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01598	-.00041	F .13638	.00177	-.00054	.00823	.01760	-.00099	-.00020	W .00174
Stddev	.00135	.00012	.00477	.00091	.00070	.00043	.00091	.00018	.00002	.00165
%RSD	8.4704	30.788	3.4990	51.728	130.30	5.1908	5.1908	18.343	10.002	94.713
#1	.01694	-.00032	.13975	.00241	-.00103	.00792	.01696	-.00112	-.00018	.00291
#2	.01502	-.00049	.13300	.00112	-.00004	.00853	.01825	-.00086	-.00021	.00058
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit	.01000		.01000							.00000
Low Limit	-.01000		-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00077	-.00924	.00015	.00321	-.00131
Stddev	.00009	.00042	.00071	.00039	.00018	.00092
%RSD	147.47	53.813	7.6330	254.15	5.7661	70.634
#1	.00012	.00107	-.00974	.00043	.00334	-.00065
#2	.00000	.00048	-.00874	-.00012	.00308	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6974.4	79119.	6454.7
Stddev	20.6	296.	15.8
%RSD	.29518	.37407	.24495
#1	6959.9	78909.	6443.5
#2	6989.0	79328.	6465.8

Sample Name: lcs 280-200881/2-a Acquired: 11/15/2013 1:12:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05351**	**2.0454**	**1.0682**	**1.1027**	**2.0478**	**.04749**	**2.1852**	**45.214**	**.09749**	**.49293**
Stddev	.00073	.0129	.0048	.0109	.0071	.00009	.0149	.243	.00057	.00204
%RSD	1.3682	.63098	.44645	.99246	.34636	.18565	.68116	.53793	.58734	.41332
#1	.05299	2.0362	1.0648	1.0949	2.0427	.04743	2.1747	45.042	.09708	.49149
#2	.05403	2.0545	1.0715	1.1104	2.0528	.04756	2.1958	45.386	.09789	.49437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21847**	**.25130**	**1.0425**	**49.399**	**1.0192**	**51.740**	**.49069**	**1.0702**	**51.950**	**.53493**
Stddev	.00146	.00163	.0008	.452	.0020	.259	.00251	.0029	.409	.00352
%RSD	.66730	.64947	.07824	.91500	.19337	.49970	.51244	.26671	.78761	.65771
#1	.21744	.25245	1.0420	49.079	1.0178	51.923	.49247	1.0682	51.661	.53244
#2	.21950	.25015	1.0431	49.718	1.0206	51.557	.48891	1.0722	52.240	.53742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.818**	**.46449**	**.18141**	**.52212**	**2.1768**	**10.435**	**22.331**	**2.1032**	**.99211**	**1.0161**
Stddev	.071	.00326	.04653	.00024	.0110	.024	.051	.0072	.00353	.0063
%RSD	.65776	.70107	25.649	.04658	.50282	.22970	.22970	.34200	.35544	.61856
#1	10.768	.46219	.14851	.52194	2.1690	10.418	22.295	2.0981	.98962	1.0206
#2	10.868	.46679	.21432	.52229	2.1845	10.452	22.367	2.1083	.99460	1.0117
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0413**	**1.9307**	F **3.3124**	**.48365**	**.50683**	**.47852**
Stddev	.0053	.0022	.0044	.00341	.00035	.00239
%RSD	.50752	.11534	.13156	.70537	.06901	.49932
#1	1.0450	1.9322	3.3155	.48606	.50658	.47683
#2	1.0375	1.9291	3.3093	.48124	.50707	.48021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6687.5**	**75444.**	**6396.5**
Stddev	29.6	389.	6.1
%RSD	.44291	.51513	.09499
#1	6708.4	75718.	6392.2
#2	6666.5	75169.	6400.8

Sample Name: 280-49163-c-1-d Acquired: 11/15/2013 1:14:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.17701**	**-.00009**	**.02772**	**.07945**	**.00007**	**.00273**	**51.801**	**.00021**	**.00000**
Stddev	.00007	.00715	.00018	.00239	.00039	.00005	.00179	.059	.00025	.0004
%RSD	4.8223	4.0397	192.33	8.6184	.48470	64.262	65.667	.11387	116.66	15417.
#1	-.00154	.17195	-.00022	.02603	.07918	.00004	.00146	51.843	.00004	-.00027
#2	-.00144	.18207	.00003	.02941	.07972	.00010	.00400	51.759	.00038	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00025**	**.28351**	**1.9655**	**.00370**	**17.184**	**.10072**	**.00210**	**60.848**	**.00114**
Stddev	.00014	.00045	.00043	.0460	.00005	.018	.00000	.00039	.008	.00139
%RSD	39.322	182.23	.15049	2.3402	1.3131	.10418	.00031	18.431	.01234	122.34
#1	.00026	-.00056	.28382	1.9330	.00373	17.171	.10072	.00183	60.842	.00015
#2	.00045	.00007	.28321	1.9980	.00366	17.197	.10072	.00238	60.853	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9907**	**-.00144**	**24.451**	**-.00001**	**-.00109**	**5.5174**	**11.807**	**-.00053**	**.79886**	**.00466**
Stddev	2.6281	.00070	2.191	.00163	.00217	.0284	.061	.00070	.00109	.00033
%RSD	132.02	48.573	8.9608	13560.	199.73	.51479	.51479	133.05	.13611	7.1091
#1	.13239	-.00193	22.902	-.00116	.00045	5.4973	11.764	-.00103	.79963	.00490
#2	3.8491	-.00094	26.000	.00114	-.00262	5.5375	11.850	-.00003	.79809	.00443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.00349**	**-.04901**	**.00149**	**.00500**	**.00084**
Stddev	.00002	.00049	.01798	.00008	.00011	.00175
%RSD	.33895	13.943	36.686	5.5942	2.1949	207.85
#1	.00451	.00315	-.06172	.00143	.00492	.00208
#2	.00449	.00384	-.03629	.00155	.00508	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6754.7**	**75956.**	**6368.7**
Stddev	10.0	184.	16.0
%RSD	.14732	.24194	.25066
#1	6761.8	76086.	6357.4
#2	6747.7	75826.	6380.0

Sample Name: 280-49163-c-2-b Acquired: 11/15/2013 1:16:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.02523**	**-.00177**	**.02305**	**.07181**	**.00002**	**.00200**	**48.225**	**.00016**	**-.00018**
Stddev	.00051	.00009	.00028	.00001	.00006	.00002	.00091	.139	.00006	.00012
%RSD	41.214	.37267	16.094	.02219	.08708	102.14	45.350	.28801	38.504	65.777
#1	-.00088	.02516	-.00157	.02304	.07185	.00004	.00136	48.323	.00020	-.00009
#2	-.00160	.02530	-.00197	.02305	.07176	.00001	.00264	48.127	.00012	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00035**	**.13654**	**1.7934**	**.00321**	**14.796**	**.06358**	**.00155**	**60.647**	**.00049**
Stddev	.00006	.00034	.00495	.0158	.00265	.085	.00032	.00010	.279	.00002
%RSD	155.67	97.165	3.6275	.87924	82.723	.57158	.49622	6.3273	.46040	3.3609
#1	.00000	-.00011	.13304	1.8046	.00133	14.736	.06336	.00148	60.845	.00048
#2	-.00008	-.00060	.14004	1.7823	.00508	14.856	.06380	.00162	60.450	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01959**	**.00006**	**21.101**	**.00055**	**.00342**	**5.6070**	**11.999**	**-.00021**	**.71356**	**.00238**
Stddev	.00899	.00000	.026	.00121	.00504	.0079	.017	.00044	.00146	.00051
%RSD	45.888	7.1620	.12196	219.81	147.19	.14038	.14038	210.24	.20437	21.258
#1	.02595	.00006	21.082	.00140	-.00014	5.6125	12.011	.00010	.71253	.00202
#2	.01324	.00006	21.119	-.00030	.00698	5.6014	11.987	-.00052	.71459	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00008**	**-.03334**	**-.00013**	**.00406**	**-.00165**
Stddev	.00014	.00108	.02074	.00003	.00006	.00082
%RSD	25.503	1350.5	62.211	26.777	1.3549	49.871
#1	.00065	-.00084	-.04800	-.00015	.00402	-.00223
#2	.00045	.00068	-.01867	-.00010	.00410	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6781.1**	**76004.**	**6339.1**
Stddev	6.6	680.	77.0
%RSD	.09705	.89449	1.2142
#1	6776.5	76485.	6284.7
#2	6785.8	75523.	6393.5

Sample Name: 280-49163-c-2-bSD@5 Acquired: 11/15/2013 1:19:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**.01089**	**.00048**	**.00704**	**.01471**	**.00002**	**.00399**	**9.6564**	**-.00025**	**-.00011**
Stddev	.00002	.00012	.00266	.00025	.00030	.00002	.00105	.0016	.00000	.00015
%RSD	1.0961	1.1403	557.27	3.4881	2.0411	68.077	26.219	.01674	.70437	134.96
#1	-.00165	.01097	-.00140	.00721	.01493	.00001	.00473	9.6575	-.00025	-.00022
#2	-.00162	.01080	.00236	.00686	.01450	.00004	.00325	9.6553	-.00025	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00057**	**.03884**	**.53151**	**.00237**	**2.9848**	**.01284**	**.00011**	**12.149**	**.00006**
Stddev	.00002	.00001	.00096	.03030	.00071	.0100	.00002	.00013	.208	.00007
%RSD	14.513	1.7022	2.4780	5.7009	29.937	.33360	.18264	122.67	1.7159	115.98
#1	.00016	-.00056	.03952	.55294	.00287	2.9777	.01282	.00020	12.002	.00011
#2	.00013	-.00058	.03816	.51009	.00187	2.9918	.01286	.00001	12.296	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00511**	**-.00026**	**4.1469**	**-.00128**	**.00138**	**1.0856**	**2.3232**	**.00100**	**.14228**	**.00406**
Stddev	.00060	.00012	.0204	.00200	.00132	.0141	.0302	.00022	.00019	.00072
%RSD	11.720	43.761	.49104	156.26	95.765	1.3012	1.3012	21.679	.13345	17.807
#1	.00554	-.00035	4.1325	.00013	.00044	1.0756	2.3019	.00115	.14242	.00457
#2	.00469	-.00018	4.1613	-.00269	.00231	1.0956	2.3446	.00084	.14215	.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00008**	**-.04267**	**-.00043**	**.00527**	**.00006**
Stddev	.00007	.00126	.00969	.00063	.00003	.00097
%RSD	24.403	1510.7	22.708	147.87	.62779	1570.3
#1	.00024	-.00097	-.04953	-.00087	.00529	.00075
#2	.00035	.00081	-.03582	.00002	.00524	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.2**	**78095.**	**6369.6**
Stddev	17.3	87.	6.5
%RSD	.25068	.11176	.10222
#1	6893.4	78033.	6374.2
#2	6869.0	78157.	6365.0

Sample Name: 280-49163-c-2-c ms Acquired: 11/15/2013 1:21:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05292**	**2.0061**	**1.0627**	**1.1000**	**2.0834**	**.04657**	F **2.1419**	**90.927**	**.09612**	**.48049**
Stddev	.00008	.0034	.0083	.0017	.0015	.00038	.0006	.146	.00008	.00082
%RSD	.16031	.16888	.78005	.15581	.07121	.81553	.02569	.16019	.08296	.17013
#1	.05298	2.0037	1.0568	1.0988	2.0845	.04631	2.1423	90.824	.09606	.47991
#2	.05286	2.0085	1.0686	1.1012	2.0824	.04684	2.1415	91.030	.09617	.48107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21280**	**.24862**	**1.1458**	**50.597**	**1.0160**	**65.019**	**.54099**	**1.0536**	**107.97**	**.51890**
Stddev	.00007	.00106	.0037	.118	.0023	.131	.00024	.0002	.21	.00022
%RSD	.03359	.42656	.32557	.23414	.22975	.20207	.04521	.01747	.19284	.04164
#1	.21275	.24787	1.1484	50.514	1.0143	64.926	.54082	1.0534	108.11	.51875
#2	.21285	.24937	1.1432	50.681	1.0177	65.111	.54116	1.0537	107.82	.51906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.817**	**.45085**	**20.846**	**.51417**	**2.1506**	**15.688**	**33.573**	W **2.0450**	**1.6737**	**.99718**
Stddev	.005	.00098	.005	.00241	.0044	.056	.120	.0042	.0016	.00229
%RSD	.04735	.21741	.02433	.46783	.20662	.35812	.35812	.20408	.09682	.22959
#1	10.813	.45016	20.850	.51587	2.1538	15.648	33.488	2.0421	1.6725	.99556
#2	10.821	.45154	20.843	.51247	2.1475	15.728	33.658	2.0480	1.6748	.99880
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0264**	**1.8437**	**3.2468**	**.47995**	**.49603**	**.47037**
Stddev	.0001	.0080	.0512	.00107	.00145	.00187
%RSD	.00953	.43445	1.5754	.22276	.29260	.39761
#1	1.0263	1.8380	3.2830	.48070	.49501	.46905
#2	1.0264	1.8493	3.2107	.47919	.49706	.47170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6664.9**	**75202.**	**6417.0**
Stddev	5.2	67.	7.3
%RSD	.07775	.08973	.11421
#1	6668.6	75250.	6411.8
#2	6661.2	75155.	6422.2

Sample Name: 280-49163-c-2-d msd Acquired: 11/15/2013 1:23:28 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05269**	**1.9995**	**1.0598**	**1.0975**	**2.0814**	**.04713**	F **2.1386**	**91.286**	**.09631**	**.47693**
Stddev	.00039	.0010	.0053	.0101	.0003	.00011	.0109	.046	.00084	.00054
%RSD	.74404	.04783	.49840	.91820	.01479	.22282	.51109	.05054	.87202	.11235
#1	.05241	1.9988	1.0561	1.0904	2.0812	.04706	2.1309	91.318	.09572	.47655
#2	.05297	2.0001	1.0635	1.1046	2.0816	.04721	2.1463	91.253	.09691	.47731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21250**	**.24824**	**1.1590**	**50.657**	**1.0108**	**64.940**	**.53975**	**1.0479**	**108.76**	**.51741**
Stddev	.00187	.00094	.0037	.127	.0016	.197	.00002	.0024	.02	.00404
%RSD	.87983	.37681	.31751	.25094	.15544	.30358	.00436	.23216	.01787	.78123
#1	.21118	.24890	1.1564	50.747	1.0119	65.079	.53973	1.0462	108.75	.51455
#2	.21382	.24758	1.1616	50.567	1.0097	64.800	.53977	1.0496	108.78	.52027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.744**	**.44796**	**20.864**	**.51581**	**2.1473**	**15.954**	**34.142**	W **2.0421**	**1.6782**	**.99208**
Stddev	.001	.00284	.049	.00160	.0148	.093	.198	.0137	.0012	.00142
%RSD	.01012	.63337	.23672	.31037	.68784	.58028	.58028	.67238	.06823	.14299
#1	10.743	.44595	20.829	.51468	2.1368	15.889	34.002	2.0324	1.6790	.99107
#2	10.745	.44996	20.899	.51694	2.1577	16.020	34.282	2.0518	1.6774	.99308
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0240**	**1.8394**	**3.2596**	**.47913**	**.49320**	**.47661**
Stddev	.0000	.0139	.0253	.00081	.00258	.00092
%RSD	.00208	.75330	.77481	.16891	.52275	.19304
#1	1.0240	1.8296	3.2774	.47856	.49502	.47726
#2	1.0240	1.8492	3.2417	.47970	.49137	.47596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.1**	**74696.**	**6436.4**
Stddev	22.6	76.	14.2
%RSD	.33907	.10108	.22073
#1	6682.1	74643.	6426.4
#2	6650.2	74750.	6446.5

Sample Name: 280-49163-c-3-b Acquired: 11/15/2013 1:25:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.53840**	**-.00195**	**.01960**	**.07613**	**.00008**	**.00330**	**53.050**	**.00012**	**.00009**
Stddev	.00027	.00267	.00066	.00043	.00047	.00005	.00066	.139	.00007	.00010
%RSD	18.005	.49580	33.717	2.2042	.61943	57.890	19.978	.26133	59.178	110.29
#1	-.00167	.53651	-.00242	.01991	.07646	.00005	.00376	52.952	.00007	.00016
#2	-.00129	.54029	-.00149	.01930	.07579	.00011	.00283	53.148	.00017	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00110**	**.79059**	**2.3196**	**.00346**	**14.405**	**.30910**	**.00103**	**32.840**	**.00078**
Stddev	.00003	.00010	.00602	.0063	.00054	.002	.00016	.00001	.358	.00004
%RSD	5.2107	9.2808	.76097	.27306	15.534	.01426	.05131	1.0032	1.0914	5.3251
#1	.00047	.00117	.79484	2.3241	.00384	14.407	.30921	.00104	33.093	.00075
#2	.00051	.00103	.78633	2.3151	.00308	14.404	.30899	.00102	32.586	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03612**	**-.00032**	**14.012**	**-.00038**	**-.00260**	**6.6379**	**14.205**	**-.00041**	**.73302**	**.00403**
Stddev	.00092	.00044	.005	.00023	.00023	.0478	.102	.00034	.00026	.00007
%RSD	2.5513	136.70	.03626	58.826	8.9907	.71991	.71991	83.545	.03502	1.6158
#1	.03547	-.00001	14.015	-.00022	-.00243	6.6717	14.278	-.00017	.73320	.00399
#2	.03677	-.00063	14.008	-.00054	-.00276	6.6042	14.133	-.00065	.73284	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01524**	**.00248**	**-.02877**	**.00160**	**.00615**	**.00040**
Stddev	.00060	.00114	.05020	.00019	.00008	.00033
%RSD	3.9617	45.944	174.48	12.068	1.3656	82.562
#1	.01482	.00328	.00673	.00174	.00609	.00017
#2	.01567	.00167	-.06427	.00146	.00621	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.8**	**77501.**	**6392.2**
Stddev	9.3	53.	68.5
%RSD	.13670	.06840	1.0717
#1	6808.3	77538.	6440.7
#2	6795.2	77463.	6343.8

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:27:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00794**	**48.828**	**.00005**	**.00425**	**.00045**	**-.00003**	W **1.0703**	**.02400**	**.00069**	**-.00107**	**.00019**	**-.00724**
Stddev	.00058	.095	.00143	.00038	.00023	.00005	.0061	.00402	.00004	.00001	.00005	.00043
%RSD	7.2450	.19466	2850.8	8.9183	50.812	191.46	.57018	16.738	5.7445	.51205	25.049	5.9259
#1	-.00835	48.895	.00106	.00451	.00029	-.00006	1.0659	.02684	.00067	-.00107	.00015	-.00754
#2	-.00754	48.761	-.00096	.00398	.00062	.00001	1.0746	.02116	.00072	-.00107	.00022	-.00694
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.612**	**.21720**	**.00129**	**.05615**	**-.00018**	**.00075**	**254.86**	**-.00119**	**.00431**	**-.00179**	**5.1505**	**-.00088**
Stddev	.589	.01265	.00148	.00387	.00001	.00009	.63	.00017	.00103	.00090	.0160	.00113
%RSD	1.1639	5.8218	114.68	6.8898	3.9069	11.886	.24634	14.365	23.977	50.500	.31159	128.85
#1	50.196	.22614	.00234	.05888	-.00017	.00081	254.42	-.00132	.00504	-.00115	5.1618	-.00008
#2	51.029	.20826	.00024	.05341	-.00018	.00068	255.31	-.00107	.00358	-.00242	5.1391	-.00168
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00768**	**.00799**	**.01711**	**.00030**	**.00012**	**5.1012**	**.01422**	**.00249**	F **8.4042**	**.00065**	**.00253**	**-.07846**
Stddev	.00122	.00104	.00223	.00161	.00001	.0033	.00062	.00116	.0175	.00063	.00054	.00099
%RSD	15.900	13.048	13.048	541.99	9.3778	.06459	4.3960	46.589	.20791	97.424	21.390	1.2633
#1	-.00854	.00726	.01553	-.00084	.00013	5.1035	.01466	.00331	8.4166	.00110	.00291	-.07776
#2	-.00682	.00873	.01868	.00143	.00011	5.0989	.01377	.00167	8.3919	.00020	.00215	-.07917
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6796.3**	**75596.**	**6325.6**
Stddev	17.6	411.	10.6
%RSD	.25857	.54324	.16832
#1	6808.7	75305.	6333.1
#2	6783.8	75886.	6318.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:30:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54871**	**.54732**	**1.0573**	**.53032**	**.50608**	**.46629**	**-.00820**	**4.6517**	**.48467**	**.50412**	**.54058**	**.50356**	**2.6117**
Stddev	.00147	.00006	.0050	.00037	.00459	.00365	.00130	.0310	.00140	.00068	.00164	.00237	.0129
%RSD	.26846	.01016	.47355	.07049	.90617	.78239	15.810	.66608	.28977	.13461	.30337	.47129	.49223
#1	.54767	.54728	1.0538	.53058	.50932	.46887	-.00729	4.6736	.48566	.50460	.54174	.50188	2.6207
#2	.54975	.54736	1.0608	.53005	.50283	.46371	-.00912	4.6298	.48368	.50364	.53942	.50524	2.6026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.411**	**1.0001**	**20.786**	**.49932**	**.52858**	F **5.6086**	**.54476**	**1.0521**	**.96567**	**.06643**	**1.0170**	**1.0733**	**5.1225**
Stddev	.298	.0111	.032	.00040	.00002	.0269	.00068	.0022	.00156	.00320	.0007	.0046	.0314
%RSD	.61633	1.1135	.15187	.08073	.00426	.47963	.12457	.20816	.16149	4.8110	.06442	.42679	.61266
#1	48.622	1.0080	20.808	.49961	.52860	5.6276	.54524	1.0505	.96457	.06417	1.0175	1.0766	5.1447
#2	48.200	.99227	20.764	.49904	.52856	5.5896	.54428	1.0536	.96677	.06869	1.0166	1.0701	5.1003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.962**	**1.0495**	**.49043**	**.00391**	**.51151**	**1.0019**	**-.02050**	**.48629**	**.52194**	**.48760**
Stddev	.067	.0003	.00427	.00155	.00049	.0021	.02150	.00083	.00125	.00354
%RSD	.61266	.02997	.87056	39.760	.09612	.21171	104.91	.17069	.24027	.72588
#1	11.010	1.0493	.49345	.00501	.51186	1.0034	-.00529	.48571	.52283	.49010
#2	10.915	1.0498	.48742	.00281	.51116	1.0004	-.03570	.48688	.52106	.48509
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6816.0**	**76403.**	**6284.3**
Stddev	12.5	183.	41.0
%RSD	.18342	.23920	.65253
#1	6807.2	76274.	6255.3
#2	6824.8	76533.	6313.3

Sample Name: CCB Acquired: 11/15/2013 1:32:28 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00325**	**-.00270**	**.00352**	**.00053**	**-.00003**	**.00399**	**-.00169**	**-.00018**	**-.00016**	**.00007**	**-.00096**
Stddev	.00029	.00075	.00024	.00026	.00011	.00006	.00006	.00093	.00002	.00019	.00009	.00018
%RSD	33.269	23.005	9.0114	7.3857	21.487	191.65	1.5554	54.832	9.4440	117.72	132.64	18.887
#1	-.00067	.00378	-.00252	.00371	.00045	-.00008	.00395	-.00104	-.00017	-.00003	.00000	-.00109
#2	-.00108	.00272	-.00287	.00334	.00061	.00001	.00404	-.00235	-.00019	-.00029	.00014	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.17977**	**.00129**	**.00533**	**.00012**	**.00017**	F **.57464**	**-.00026**	**.00137**	**.00065**	**.06319**	W **.00611**
Stddev	.00135	.01987	.00009	.00188	.00007	.00008	.01266	.00015	.00053	.00038	.00498	.00167
%RSD	345.34	11.054	7.3665	35.305	54.833	43.187	2.2037	56.907	38.438	58.411	7.8884	27.284
#1	-.00134	.16572	.00122	.00666	.00017	.00023	.56568	-.00037	.00100	.00092	.06671	.00494
#2	.00056	.19382	.00135	.00400	.00008	.00012	.58359	-.00016	.00174	.00038	.05966	.00729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00328**	**.00286**	**.00612**	**-.00039**	**-.00010**	**.00368**	**-.00004**	**.00046**	F **-.06427**	**.00032**	**.00338**	**-.00054**
Stddev	.00305	.01254	.02684	.00021	.00002	.00036	.00014	.00013	.02262	.00012	.00039	.00188
%RSD	93.134	438.24	438.24	52.827	23.351	9.8400	353.70	28.065	35.198	36.450	11.463	344.81
#1	.00544	.01173	.02510	-.00024	-.00012	.00394	-.00014	.00037	-.04827	.00024	.00311	-.00187
#2	.00112	-.00601	-.01285	-.00054	-.00008	.00343	.00006	.00055	-.08026	.00041	.00365	.00078
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6764.2**	**76798.**	**6174.8**
Stddev	10.0	50.	62.1
%RSD	.14834	.06473	1.0059
#1	6771.3	76833.	6130.9
#2	6757.1	76762.	6218.7

Sample Name: CCVL2379751 Acquired: 11/15/2013 1:34:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.11920**	**.01640**	**.10867**	**.01120**	**.00100**	**.12043**	**.24636**	**.00465**	**.01045**	**.01103**	**.01417**	F **.14433**
Stddev	.00002	.00010	.00160	.00041	.00003	.00004	.00121	.00104	.00002	.00001	.00006	.00032	.00554
%RSD	.24243	.08338	9.7242	.37534	.28219	3.7986	1.0020	.42270	.38399	.08836	.57284	2.2436	3.8371
#1	.01022	.11913	.01753	.10896	.01122	.00103	.12129	.24562	.00464	.01044	.01108	.01439	.14825
#2	.01019	.11927	.01528	.10839	.01117	.00097	.11958	.24709	.00467	.01046	.01099	.01394	.14042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1194**	**.01205**	**.22389**	**.01077**	**.02085**	F **1.5706**	**.04518**	**3.1359**	**.00883**	**.05120**	**.01146**	**.01326**	**.49977**
Stddev	.0324	.00240	.00079	.00002	.00010	.0057	.00012	.0010	.00019	.00297	.00057	.00104	.01166
%RSD	1.0381	19.915	.35226	.16904	.47439	.36485	.27185	.03137	2.1280	5.7935	5.0064	7.8427	2.3333
#1	3.0965	.01375	.22333	.01076	.02092	1.5746	.04526	3.1366	.00870	.05330	.01106	.01253	.49152
#2	3.1423	.01035	.22445	.01078	.02078	1.5665	.04509	3.1352	.00897	.04910	.01187	.01400	.50801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0695**	**.12055**	**.00988**	**.01760**	**.01051**	**.01607**	**.05853**	**.01002**	F **.03452**	**.01483**
Stddev	.0250	.00044	.00003	.00100	.00019	.00005	.04387	.00028	.00035	.00173
%RSD	2.3333	.36128	.29650	5.6917	1.8259	.34017	74.959	2.8292	1.0200	11.670
#1	1.0519	.12085	.00986	.01831	.01037	.01611	.08955	.01022	.03477	.01605
#2	1.0871	.12024	.00990	.01689	.01064	.01603	.02751	.00982	.03427	.01360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6993.0**	**77911.**	**6188.4**
Stddev	11.6	52.	47.8
%RSD	.16548	.06664	.77176
#1	7001.2	77948.	6222.2
#2	6984.8	77875.	6154.7

Sample Name: 280-49163-c-4-c Acquired: 11/15/2013 1:37:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.21610**	**-.00112**	**.00972**	**.04569**	**.00006**	**.00149**	**25.884**	**.00005**	**.00016**
Stddev	.00010	.00094	.00145	.00088	.00013	.00004	.00180	.017	.00005	.00013
%RSD	8.4499	.43501	130.06	9.0531	.27791	56.160	120.83	.06756	97.724	79.642
#1	-.00128	.21677	-.00215	.01034	.04578	.00009	.00277	25.896	.00002	.00007
#2	-.00114	.21544	-.00009	.00910	.04560	.00004	.00022	25.871	.00009	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00000**	**.57036**	**1.1198**	**.00388**	**6.0713**	**.05039**	**.00054**	**11.458**	**.00087**
Stddev	.00009	.0002	.00701	.0222	.00003	.0318	.00014	.00045	.296	.00023
%RSD	43.856	6084.7	1.2285	1.9795	.65968	.52447	.28367	83.801	2.5848	27.082
#1	.00026	-.00013	.56541	1.1354	.00390	6.0488	.05029	.00022	11.249	.00103
#2	.00014	.00012	.57532	1.1041	.00386	6.0939	.05049	.00086	11.668	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02124**	**-.00071**	**8.7141**	**.00085**	**-.00049**	**5.1772**	**11.079**	**-.00053**	**.27550**	**.00400**
Stddev	.00038	.00014	.0137	.00237	.00300	.0343	.073	.00017	.00040	.00150
%RSD	1.7849	19.742	.15675	278.10	616.87	.66339	.66339	33.102	.14627	37.415
#1	.02097	-.00061	8.7237	-.00082	.00163	5.1529	11.027	-.00040	.27578	.00506
#2	.02151	-.00080	8.7044	.00253	-.00261	5.2015	11.131	-.00065	.27521	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00562**	**.00148**	**-.04968**	**.00097**	**.00441**	**.00008**
Stddev	.00013	.00010	.01787	.00020	.00001	.00017
%RSD	2.2800	6.9587	35.970	20.340	.29435	221.50
#1	.00571	.00155	-.03705	.00083	.00440	.00019
#2	.00552	.00140	-.06232	.00111	.00442	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6941.1**	**78343.**	**6401.3**
Stddev	17.9	525.	18.4
%RSD	.25808	.66966	.28749
#1	6928.4	78714.	6388.3
#2	6953.8	77972.	6414.3

Sample Name: 280-49163-c-5-b Acquired: 11/15/2013 1:39:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**.03556**	**-.00201**	**.01054**	**.04866**	**.00002**	**.00231**	**27.529**	**-.00006**	**.00010**
Stddev	.00032	.00066	.00225	.00021	.00028	.00006	.00081	.055	.00015	.00014
%RSD	19.964	1.8481	111.97	1.9949	.57820	329.36	35.040	.19905	225.17	138.86
#1	-.00138	.03603	-.00042	.01069	.04886	.00006	.00174	27.567	.00004	.00000
#2	-.00183	.03510	-.00360	.01039	.04847	-.00002	.00288	27.490	-.00017	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00052**	**.41786**	**1.1556**	**.00375**	**6.3561**	**.02663**	**.00049**	**11.524**	**.00023**
Stddev	.00021	.00011	.00058	.0267	.00007	.0238	.00014	.00009	.003	.00007
%RSD	120.52	21.267	.13764	2.3094	1.8016	.37465	.52934	17.916	.02876	33.181
#1	.00003	-.00044	.41826	1.1368	.00380	6.3729	.02673	.00055	11.522	.00028
#2	.00032	-.00060	.41745	1.1745	.00370	6.3392	.02653	.00043	11.527	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01580**	**-.00011**	**9.3758**	**.00088**	**.00029**	**5.7466**	**12.298**	**-.00064**	**.28369**	**.00397**
Stddev	.00180	.00025	.0207	.00014	.00098	.0423	.091	.00002	.00079	.00164
%RSD	11.400	221.93	.22068	16.376	331.26	.73701	.73701	3.1724	.27889	41.221
#1	.01707	-.00029	9.3612	.00078	-.00040	5.7765	12.362	-.00066	.28425	.00513
#2	.01452	.00006	9.3904	.00098	.00099	5.7166	12.234	-.00063	.28313	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00071**	**-.04018**	**.00074**	**.00422**	**.00062**
Stddev	.00029	.00017	.00747	.00086	.00012	.00026
%RSD	29.230	24.667	18.595	116.32	2.8822	41.264
#1	.00119	.00058	-.03489	.00013	.00431	.00080
#2	.00078	.00083	-.04546	.00135	.00414	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6963.0**	**77699.**	**6528.8**
Stddev	12.8	537.	17.7
%RSD	.18448	.69157	.27173
#1	6953.9	77319.	6541.4
#2	6972.1	78079.	6516.3

Sample Name: 280-49163-c-6-c Acquired: 11/15/2013 1:41:56 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.11728**	**-.00093**	**.00687**	**.02654**	**.00001**	**.00031**	**14.487**	**-.00003**	**-.00007**
Stddev	.00085	.00063	.00065	.00068	.00020	.00005	.00151	.035	.00008	.00007
%RSD	57.332	.53611	69.962	9.8545	.74710	409.24	486.43	.24345	227.99	102.65
#1	-.00088	.11683	-.00139	.00639	.02668	.00005	-.00076	14.512	.00002	-.00012
#2	-.00209	.11772	-.00047	.00735	.02640	-.00002	.00138	14.462	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00028**	**.13662**	**.80182**	**.00397**	**1.9441**	**.02052**	**.00224**	**5.6378**	**.00006**
Stddev	.00025	.00035	.01172	.02169	.00052	.0008	.00008	.00003	.0262	.00005
%RSD	161.51	124.46	8.5789	2.7054	13.001	.04328	.38915	1.2406	.46430	88.600
#1	-.00002	.00003	.12833	.81716	.00433	1.9447	.02057	.00226	5.6193	.00002
#2	.00033	.00052	.14490	.78648	.00360	1.9435	.02046	.00222	5.6563	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01904**	**-.00067**	**2.2169**	**-.00022**	**.00110**	**5.3852**	**11.524**	**-.00055**	**.13176**	**.00345**
Stddev	.00090	.00079	.0046	.00127	.00464	.0058	.012	.00065	.00039	.00227
%RSD	4.7427	118.44	.20651	589.24	421.90	.10756	.10756	117.78	.29335	65.658
#1	.01840	-.00123	2.2137	-.00112	-.00218	5.3811	11.516	-.00102	.13204	.00505
#2	.01968	-.00011	2.2202	.00068	.00438	5.3893	11.533	-.00009	.13149	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00380**	**.00148**	**-.03162**	**.00046**	**.00452**	**.00093**
Stddev	.00007	.00080	.03343	.00039	.00009	.00150
%RSD	1.9540	54.425	105.73	83.042	2.0133	161.03
#1	.00385	.00205	-.05525	.00074	.00446	.00199
#2	.00374	.00091	-.00798	.00019	.00459	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7021.2**	**79344.**	**6538.6**
Stddev	3.6	203.	28.5
%RSD	.05096	.25550	.43638
#1	7018.6	79200.	6518.4
#2	7023.7	79487.	6558.7

Sample Name: 280-49163-c-7-c Acquired: 11/15/2013 1:44:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00125**	**.05982**	**.00027**	**.00760**	**.04282**	**-.00001**	**.00139**	**22.467**	**-.00012**	**-.00022**
Stddev	.00020	.00030	.00030	.00000	.00013	.00008	.00086	.073	.00009	.00013
%RSD	15.813	.50361	114.22	.04940	.30569	1284.8	62.189	.32696	75.408	60.644
#1	-.00139	.05960	.00048	.00760	.04273	-.00006	.00078	22.519	-.00019	-.00012
#2	-.00111	.06003	.00005	.00760	.04292	.00005	.00200	22.415	-.00006	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00064**	**.30269**	**1.0021**	**.00298**	**5.0965**	**.01885**	**.00061**	**8.4467**	**.00020**
Stddev	.00010	.00023	.00022	.0141	.00133	.0011	.00007	.00000	.0313	.00012
%RSD	75.019	36.074	.07294	1.4033	44.630	.02202	.36734	.78250	.37064	58.373
#1	.00006	-.00048	.30285	.99218	.00204	5.0957	.01880	.00062	8.4689	.00012
#2	.00020	-.00080	.30254	1.0121	.00392	5.0973	.01890	.00061	8.4246	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01250**	**-.00070**	**6.3819**	**-.00124**	**-.00055**	**6.0315**	**12.907**	**-.00053**	**.22779**	**.00338**
Stddev	.00193	.00014	.0228	.00056	.00096	.0390	.084	.00022	.00024	.00068
%RSD	15.438	19.896	.35713	45.057	174.68	.64708	.64708	42.315	.10467	20.234
#1	.01114	-.00080	6.3658	-.00163	.00013	6.0039	12.848	-.00037	.22796	.00386
#2	.01386	-.00060	6.3980	-.00084	-.00123	6.0591	12.966	-.00068	.22763	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00096**	**-.03852**	**.00027**	**.00407**	**-.00137**
Stddev	.00013	.00000	.02537	.00008	.00002	.00041
%RSD	11.109	.37344	65.864	29.108	.58606	30.033
#1	.00107	.00096	-.05646	.00032	.00408	-.00108
#2	.00125	.00096	-.02058	.00021	.00405	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7022.1**	**79314.**	**6502.4**
Stddev	7.0	207.	64.9
%RSD	.10009	.26069	.99804
#1	7017.1	79461.	6456.5
#2	7027.1	79168.	6548.3

Sample Name: 280-49163-c-8-c Acquired: 11/15/2013 1:46:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.35617**	**.00084**	**.01340**	**.06690**	**.00007**	**.00113**	**37.336**	**.00002**	**.00035**
Stddev	.00008	.00003	.00119	.00002	.00039	.00003	.00030	.007	.00015	.00016
%RSD	5.6825	.00852	141.99	.12047	.58261	48.338	26.096	.01884	844.21	46.658
#1	-.00154	.35620	.00168	.01341	.06718	.00009	.00093	37.331	.00013	.00047
#2	-.00142	.35615	.00000	.01339	.06663	.00005	.00134	37.341	-.00009	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00038**	**1.4282**	**1.6994**	**.00338**	**9.5412**	**.24419**	**.00049**	**19.157**	**.00090**
Stddev	.00016	.00036	.0061	.0267	.00037	.0303	.00050	.00028	.146	.00010
%RSD	35.976	94.596	.43019	1.5726	11.036	.31711	.20648	58.182	.76433	11.185
#1	.00033	.00013	1.4325	1.6805	.00365	9.5626	.24383	.00069	19.261	.00083
#2	.00055	.00064	1.4239	1.7183	.00312	9.5198	.24454	.00029	19.054	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05945**	**-.00050**	**14.543**	**.00001**	**-.00083**	**6.4490**	**13.801**	**-.00080**	**.43089**	**.00390**
Stddev	.00060	.00053	.005	.00010	.00014	.0104	.022	.00073	.00126	.00185
%RSD	1.0107	105.79	.03783	776.84	16.482	.16071	.16071	91.169	.29231	47.535
#1	.05987	-.00088	14.547	-.00006	-.00073	6.4564	13.817	-.00028	.43000	.00259
#2	.05902	-.00013	14.539	.00009	-.00093	6.4417	13.785	-.00131	.43178	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**-.00065**	W **-.05947**	**.00086**	**.00573**	**-.00035**
Stddev	.00057	.00027	.02339	.00026	.00020	.00039
%RSD	5.8469	41.143	39.337	29.660	3.5476	110.64
#1	.00935	-.00046	-.04293	.00068	.00558	-.00008
#2	.01016	-.00084	-.07601	.00104	.00587	-.00063
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.5**	**78529.**	**6562.8**
Stddev	9.8	129.	16.7
%RSD	.14068	.16455	.25514
#1	6941.4	78438.	6550.9
#2	6927.6	78620.	6574.6

Sample Name: 280-49163-c-9-c Acquired: 11/15/2013 1:49:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.09817**	**-.00199**	**.01867**	**.06536**	**.00010**	**.00392**	**76.343**	**.00042**	**-.00014**
Stddev	.00080	.00001	.00014	.00022	.00009	.00001	.00115	.072	.00007	.00032
%RSD	57.761	.01325	6.8584	1.1839	.13741	14.579	29.349	.09465	16.714	222.52
#1	-.00195	.09818	-.00209	.01851	.06530	.00009	.00473	76.292	.00037	.00008
#2	-.00082	.09816	-.00190	.01882	.06543	.00011	.00311	76.394	.00047	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00003**	**.09749**	**1.7257**	**.00261**	**21.203**	**.02736**	**.00022**	**50.245**	**.00049**
Stddev	.00003	.00030	.00086	.0285	.00018	.033	.00002	.00006	.337	.00015
%RSD	52.547	911.64	.88171	1.6525	6.8235	.15355	.08305	27.255	.67121	30.233
#1	.00009	.00025	.09810	1.7055	.00248	21.226	.02734	.00018	50.006	.00060
#2	.00004	-.00018	.09688	1.7458	.00274	21.180	.02737	.00026	50.483	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02868**	**-.00076**	**30.840**	**.00042**	**.00489**	**4.6009**	**9.8459**	**-.00090**	**1.3431**	**.00352**
Stddev	.00149	.00001	.004	.00195	.00081	.0092	.0196	.00025	.0025	.00057
%RSD	5.1887	1.3155	.01345	467.81	16.623	.19944	.19944	28.477	.18524	16.318
#1	.02974	-.00077	30.843	.00180	.00432	4.6074	9.8598	-.00108	1.3413	.00311
#2	.02763	-.00076	30.837	-.00096	.00547	4.5944	9.8321	-.00072	1.3449	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00139**	**-.03869**	**.00021**	**.00689**	**.00030**
Stddev	.00001	.00215	.01540	.00004	.00013	.00155
%RSD	18.291	155.00	39.818	19.526	1.8392	516.46
#1	-.00007	.00291	-.02779	.00024	.00698	-.00080
#2	-.00005	-.00013	-.04958	.00019	.00680	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.6**	**76571.**	**6521.0**
Stddev	1.0	403.	3.7
%RSD	.01467	.52670	.05684
#1	6825.3	76286.	6523.6
#2	6823.9	76856.	6518.3

Sample Name: 280-49167-c-1-b Acquired: 11/15/2013 1:51:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**.01347**	**-.00060**	**.02476**	**.47042**	**.00001**	**-.00018**	**2.8888**	**-.00025**	**-.00027**
Stddev	.00015	.00376	.00278	.00094	.00036	.00000	.00283	.0046	.00009	.00027
%RSD	9.7618	27.922	463.97	3.7873	.07677	27.567	1577.0	.15966	35.376	100.53
#1	-.00147	.01612	-.00256	.02542	.47067	.00002	-.00218	2.8855	-.00032	-.00045
#2	-.00169	.01081	.00137	.02410	.47016	.00001	.00182	2.8920	-.00019	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00103**	**1.8087**	**2.2543**	**.02846**	**.80442**	**.02730**	**.00130**	**310.94**	**.00187**
Stddev	.00001	.00018	.0168	.0493	.00078	.00051	.00015	.00017	.08	.00007
%RSD	1.2034	17.733	.92983	2.1866	2.7546	.06301	.53795	13.324	.02614	3.5656
#1	.00114	.00116	1.7968	2.2194	.02791	.80406	.02741	.00117	311.00	.00191
#2	.00116	.00090	1.8206	2.2891	.02902	.80478	.02720	.00142	310.89	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02231**	**-.00021**	**.11999**	**-.00051**	**.00107**	**7.3320**	**15.691**	**-.00091**	**.26187**	**.00197**
Stddev	.00470	.00094	.03426	.00076	.00176	.0132	.028	.00025	.00029	.00373
%RSD	21.081	437.92	28.553	150.45	164.93	.17942	.17942	27.677	.11017	189.08
#1	.02564	.00045	.14421	-.00105	-.00018	7.3227	15.671	-.00109	.26166	.00461
#2	.01899	-.00088	.09576	.00003	.00232	7.3413	15.710	-.00074	.26207	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00106**	**-.04735**	**-.00004**	**.00597**	**-.00022**
Stddev	.00003	.00123	.07001	.00070	.00003	.00056
%RSD	15.105	115.78	147.86	1681.7	.44960	252.06
#1	.00025	.00019	-.09685	-.00053	.00599	.00018
#2	.00021	.00194	.00215	.00045	.00595	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6710.7**	**74293.**	**6422.6**
Stddev	5.4	178.	67.9
%RSD	.08094	.24007	1.0578
#1	6714.6	74419.	6470.6
#2	6706.9	74167.	6374.6

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:53:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00830**	**48.078**	**.00010**	**.00109**	**.00084**	**.00003**	W **1.0733**	**.01608**	**.00069**	**-.00100**	**.00026**	**-.00823**
Stddev	.00011	.043	.00190	.00116	.00050	.00002	.0025	.00151	.00002	.00024	.00005	.00048
%RSD	1.3467	.09010	1984.4	106.45	60.117	71.090	.23292	9.4173	2.8298	23.875	19.994	5.8063
#1	-.00822	48.048	-.00125	.00027	.00119	.00001	1.0715	.01715	.00070	-.00083	.00030	-.00789
#2	-.00838	48.109	.00144	.00190	.00048	.00004	1.0750	.01501	.00068	-.00117	.00022	-.00856
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.044**	**.19199**	**.00200**	**.05073**	**-.00014**	**.00037**	**253.84**	**-.00084**	**.00431**	**-.00247**	**5.1168**	**.00099**
Stddev	.045	.03293	.00052	.00139	.00003	.00018	.04	.00003	.00043	.00019	.0047	.00004
%RSD	.08785	17.152	25.839	2.7402	19.859	49.206	.01410	4.1701	10.045	7.5769	.09251	3.9079
#1	51.076	.21528	.00236	.04975	-.00012	.00024	253.87	-.00086	.00462	-.00234	5.1201	.00097
#2	51.012	.16871	.00163	.05171	-.00017	.00050	253.81	-.00081	.00400	-.00260	5.1134	.00102
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00521**	**.00901**	**.01929**	**-.00016**	**.00002**	**5.1100**	**.01465**	**.00287**	F **8.3437**	**.00110**	**.00275**	**-.08071**
Stddev	.00353	.00328	.00701	.00062	.00003	.0129	.00053	.00086	.0663	.00025	.00003	.00079
%RSD	67.693	36.338	36.338	393.07	134.59	.25143	3.6139	30.000	.79484	22.786	1.2095	.98473
#1	-.00272	.01133	.02424	-.00059	.00004	5.1009	.01428	.00226	8.2968	.00128	.00277	-.08127
#2	-.00771	.00670	.01433	.00028	.00000	5.1191	.01502	.00348	8.3906	.00092	.00272	-.08015
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6832.5**	**75715.**	**6364.3**
Stddev	19.3	356.	31.9
%RSD	.28283	.47072	.50092
#1	6818.9	75463.	6386.8
#2	6846.2	75967.	6341.8

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:56:12 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55545	.54694	1.0624	.53440	.50971	.46828	-.00922	4.6182	.48443	.50524	.54386	.50645	2.6233
Stddev	.00024	.00637	.0061	.00119	.00045	.00018	.00041	.0220	.00145	.00053	.00193	.00033	.0062
%RSD	.04345	1.1650	.57245	.22311	.08804	.03762	4.4114	.47532	.30018	.10397	.35520	.06531	.23521
#1	.55528	.54244	1.0581	.53356	.51003	.46816	-.00951	4.6027	.48341	.50487	.54249	.50621	2.6190
#2	.55562	.55145	1.0667	.53524	.50940	.46841	-.00893	4.6338	.48546	.50561	.54522	.50668	2.6277
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000												
Range	10.490%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.597	1.0084	20.901	.49961	.53260	F 5.5459	.54819	1.0672	.96407	.02714	1.0348	1.0934	5.0692
Stddev	.125	.0012	.062	.00080	.00077	.0115	.00020	.0067	.00103	.00258	.0054	.0035	.0062
%RSD	.25653	.12147	.29807	.16055	.14463	.20793	.03599	.62766	.10734	9.5112	.52321	.32392	.12153
#1	48.509	1.0076	20.857	.49904	.53205	5.5378	.54805	1.0625	.96334	.02532	1.0310	1.0909	5.0649
#2	48.685	1.0093	20.945	.50018	.53314	5.5541	.54833	1.0720	.96480	.02897	1.0387	1.0959	5.0736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.848	1.0568	.49352	.00726	.51234	1.0095	-.07856	.48364	.52344	.48581
Stddev	.013	.0038	.00069	.00217	.00108	.0076	.02363	.00036	.00110	.00073
%RSD	.12153	.35879	.13939	29.838	.21158	.74932	30.076	.07414	.20983	.15123
#1	10.839	1.0542	.49401	.00573	.51157	1.0041	-.06186	.48339	.52267	.48633
#2	10.857	1.0595	.49303	.00879	.51310	1.0148	-.09527	.48389	.52422	.48529
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6889.6	76854.	6365.4
Stddev	48.5	387.	34.4
%RSD	.70401	.50366	.54117
#1	6923.9	77127.	6389.7
#2	6855.3	76580.	6341.0

Sample Name: CCB Acquired: 11/15/2013 1:58:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00126**	**.00047**	**-.00109**	**.00149**	**.00037**	**.00009**	**.00200**	**-.00416**	**-.00001**	**-.00016**	**-.00009**
Stddev	.00005	.00010	.00419	.00051	.00021	.00005	.00052	.00332	.00009	.00006	.00000
%RSD	4.1449	20.575	386.05	34.135	57.461	54.938	26.094	79.906	985.38	36.837	4.3243
#1	-.00122	.00054	.00188	.00185	.00052	.00013	.00237	-.00650	.00005	-.00012	-.00009
#2	-.00129	.00040	-.00405	.00113	.00022	.00006	.00163	-.00181	-.00007	-.00020	-.00008
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**-.00021**	**.16616**	**.00176**	**.00339**	**.00008**	**.00035**	F **.43217**	**-.00012**	**.00205**	**.00027**
Stddev	.00038	.00051	.02347	.00114	.00160	.00010	.00004	.00445	.00013	.00020	.00092
%RSD	35.042	242.84	14.123	64.887	47.354	116.15	12.320	1.0295	105.00	9.5295	346.39
#1	-.00081	-.00057	.14957	.00095	.00452	.00015	.00032	.42902	-.00003	.00191	-.00039
#2	-.00135	.00015	.18276	.00256	.00225	.00001	.00038	.43532	-.00021	.00219	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03238**	F **.00720**	**-.00077**	**.01616**	**.03459**	**-.00064**	**-.00006**	**.00331**	**.00036**	**.00014**	**-.00924**
Stddev	.00004	.00018	.00200	.00901	.01929	.00046	.00009	.00185	.00023	.00025	.07814
%RSD	.11469	2.4825	258.78	55.767	55.767	71.407	146.31	55.865	62.870	175.59	846.03
#1	.03235	.00732	.00064	.00979	.02095	-.00097	.00000	.00462	.00020	.00031	-.06449
#2	.03241	.00707	-.00219	.02253	.04822	-.00032	-.00012	.00200	.00052	-.00003	.04602
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00061**	**.00346**	**-.00119**
Stddev	.00012	.00008	.00004
%RSD	19.897	2.2336	3.2527
#1	.00052	.00351	-.00116
#2	.00069	.00340	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6800.5**	**76268.**	**6185.1**
Stddev	23.2	116.	25.7
%RSD	.34056	.15169	.41622
#1	6784.1	76186.	6203.3
#2	6816.9	76350.	6166.9

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:00:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.11263**	**.01528**	**.10628**	**.01049**	**.00097**	**.11861**	**.19890**	**.00464**	**.01028**	**.01113**	**.01383**	**.11008**
Stddev	.00010	.00044	.00098	.00023	.00010	.00003	.00161	.00591	.00002	.00032	.00005	.00012	.00043
%RSD	.97705	.39047	6.4328	.21776	.98471	3.2935	1.3602	2.9736	.46628	3.1308	.45346	.87204	.38839
#1	.00972	.11294	.01459	.10644	.01041	.00099	.11975	.20308	.00463	.01050	.01117	.01375	.10978
#2	.00986	.11232	.01598	.10612	.01056	.00095	.11746	.19472	.00466	.01005	.01109	.01392	.11038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0081**	**.01196**	**.22165**	**.01028**	**.02058**	F **1.3921**	**.04489**	**3.1040**	**.00857**	**.02545**	**.01117**	**.01715**	**.51764**
Stddev	.0313	.00162	.00285	.00010	.00020	.0019	.00018	.0017	.00085	.00118	.00063	.00130	.01626
%RSD	1.0419	13.566	1.2851	.98348	.95106	.13951	.40602	.05386	9.8700	4.6343	5.6696	7.5535	3.1418
#1	3.0302	.01311	.22366	.01021	.02071	1.3908	.04501	3.1028	.00917	.02629	.01072	.01623	.50614
#2	2.9859	.01081	.21964	.01035	.02044	1.3935	.04476	3.1052	.00797	.02462	.01161	.01806	.52914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1078**	**.10819**	**.00976**	**.01481**	**.01015**	**.01657**	F **.11223**	**.00940**	**.02570**	**.01555**
Stddev	.0348	.00005	.00008	.00009	.00026	.00016	.06709	.00051	.00050	.00130
%RSD	3.1418	.04232	.86564	.62520	2.5908	.98585	59.776	5.4011	1.9343	8.3896
#1	1.0831	.10815	.00982	.01474	.01034	.01668	.06479	.00976	.02606	.01648
#2	1.1324	.10822	.00970	.01487	.00997	.01645	.15967	.00904	.02535	.01463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7047.3**	**79001.**	**6375.6**
Stddev	1.4	73.	4.4
%RSD	.01978	.09257	.06836
#1	7046.3	79053.	6372.5
#2	7048.2	78949.	6378.7

Sample Name: mb 280-200833/1-b Acquired: 11/15/2013 2:03:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00133**	**.00435**	**-.00238**	**.00083**	**.00051**	**.00000**	**.00158**	**.00966**	**-.00010**	**-.00011**
Stddev	.00002	.00184	.00147	.00002	.00020	.00000	.00104	.00069	.00001	.00014
%RSD	1.1617	42.353	61.711	2.1817	39.655	374.57	65.929	7.1563	12.495	129.96
#1	-.00131	.00565	-.00341	.00082	.00065	.00000	.00084	.01015	-.00010	-.00001
#2	-.00134	.00305	-.00134	.00084	.00036	.00000	.00232	.00917	-.00011	-.00020
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00077**	**.00417**	**.13117**	**.00051**	**.00506**	**.00021**	**-.00003**	W **.41129**	**.00014**
Stddev	.00011	.00021	.00105	.08952	.00102	.00054	.00002	.00010	.00114	.00010
%RSD	88.545	27.218	25.076	68.245	199.28	10.716	10.017	297.53	.27722	74.258
#1	.00020	-.00092	.00491	.06787	.00123	.00468	.00020	.00004	.41048	.00021
#2	.00005	-.00062	.00343	.19447	-.00021	.00544	.00023	-.00010	.41209	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**-.00034**	F **.03227**	**.00018**	**-.00171**	**.00472**	**.01011**	**.00009**	**-.00003**	W **.00406**
Stddev	.00019	.00043	.00050	.00053	.00077	.02146	.04593	.00016	.00005	.00139
%RSD	9.5022	126.95	1.5515	295.19	45.062	454.46	454.46	182.98	155.45	34.266
#1	.00215	-.00065	.03192	.00055	-.00225	-.01045	-.02237	-.00003	-.00007	.00505
#2	.00188	-.00003	.03262	-.00019	-.00117	.01990	.04258	.00020	.00000	.00308
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00067**	**-.02598**	**.00053**	W **.00428**	**-.00273**
Stddev	.00014	.00061	.05276	.00005	.00008	.00000
%RSD	60.829	91.279	203.10	9.6733	1.9072	.13326
#1	-.00013	.00024	-.06328	.00057	.00434	-.00274
#2	-.00032	.00110	.01133	.00049	.00423	-.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.0**	**79386.**	**6400.8**
Stddev	8.2	210.	21.6
%RSD	.11633	.26414	.33689
#1	7004.2	79535.	6385.5
#2	7015.8	79238.	6416.0

Sample Name: lcs 280-200833/2-b Acquired: 11/15/2013 2:05:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05211**	**2.0294**	**1.0641**	**1.0728**	**2.0123**	**.04654**	**2.1667**	F **44.493**	**.09699**	**.48955**
Stddev	.00037	.0022	.0054	.0033	.0216	.00016	.0039	.410	.00065	.00134
%RSD	.71898	.11068	.50772	.31029	1.0725	.34840	.17781	.92166	.67111	.27371
#1	.05185	2.0310	1.0679	1.0704	1.9971	.04642	2.1694	44.203	.09653	.49050
#2	.05238	2.0278	1.0603	1.0751	2.0276	.04665	2.1640	44.783	.09745	.48860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21599**	**.25104**	**1.0225**	**48.641**	**1.0051**	**51.890**	**.49020**	**1.0486**	**51.524**	**.52990**
Stddev	.00032	.00181	.0010	.568	.0161	.325	.00220	.0007	1.290	.00034
%RSD	.14686	.72148	.10317	1.1681	1.6014	.62562	.44792	.06692	2.5037	.06422
#1	.21622	.24976	1.0233	48.239	.99372	51.661	.48864	1.0491	50.612	.53014
#2	.21577	.25232	1.0218	49.042	1.0165	52.120	.49175	1.0481	52.437	.52966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.724**	**.46137**	**.02345**	**.51000**	**2.1637**	**10.123**	**21.664**	**2.0507**	**.97505**	**1.0134**
Stddev	.001	.00129	.00016	.00366	.0091	.077	.165	.0082	.01112	.0045
%RSD	.01024	.27926	.67952	.71675	.41887	.76392	.76392	.40176	1.1408	.43972
#1	10.725	.46046	.02334	.50742	2.1573	10.069	21.547	2.0449	.96718	1.0103
#2	10.723	.46228	.02357	.51259	2.1701	10.178	21.781	2.0565	.98291	1.0166
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0215**	**1.9113**	F **3.3422**	**.48308**	**.51035**	**.46932**
Stddev	.0055	.0042	.0254	.00341	.00472	.00912
%RSD	.53678	.21912	.75899	.70491	.92576	1.9429
#1	1.0177	1.9084	3.3243	.48068	.50701	.46287
#2	1.0254	1.9143	3.3602	.48549	.51369	.47577
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6735.3**	**75638.**	**6431.9**
Stddev	12.5	288.	43.2
%RSD	.18613	.38018	.67183
#1	6726.5	75841.	6462.4
#2	6744.2	75435.	6401.3

Sample Name: 280-49163-d-1-b Acquired: 11/15/2013 2:07:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.02274**	**-.00371**	**.02284**	**.08090**	**.00005**	**.00440**	**53.059**	**.00003**	**-.00019**
Stddev	.00040	.00000	.00030	.00017	.00011	.00001	.00148	.019	.00018	.00013
%RSD	45.483	.01080	8.1122	.74903	.13282	21.775	33.765	.03595	663.00	67.299
#1	-.00116	.02274	-.00393	.02272	.08083	.00004	.00335	53.073	.00015	-.00029
#2	-.00059	.02274	-.00350	.02296	.08098	.00006	.00545	53.046	-.00010	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00026**	**.15835**	**1.8213**	**.00493**	**17.750**	**.09465**	**.00181**	**62.645**	**.00066**
Stddev	.00015	.00002	.00137	.0539	.00140	.025	.00063	.00017	.135	.00010
%RSD	69.779	7.0073	.86320	2.9576	28.385	.14193	.66643	9.4767	.21514	15.270
#1	.00032	-.00025	.15932	1.8594	.00394	17.732	.09421	.00169	62.550	.00059
#2	.00011	-.00027	.15739	1.7832	.00592	17.768	.09510	.00193	62.741	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**.00048**	**23.355**	**.00156**	**-.00110**	**5.3887**	**11.532**	**-.00018**	**.81967**	**.00359**
Stddev	.00035	.00040	.012	.00070	.00171	.0243	.052	.00000	.00132	.00008
%RSD	4.6095	82.367	.05089	44.989	155.37	.45150	.45150	2.1428	.16150	2.2014
#1	.00742	.00020	23.347	.00206	-.00231	5.3715	11.495	-.00017	.82061	.00365
#2	.00792	.00077	23.364	.00106	.00011	5.4059	11.569	-.00018	.81873	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00132**	**-.03576**	**.00080**	**.01792**	**-.00018**
Stddev	.00011	.00074	.03530	.00019	.00018	.00264
%RSD	30.725	56.262	98.717	24.078	.97922	1436.2
#1	.00044	.00079	-.01080	.00066	.01779	-.00205
#2	.00028	.00184	-.06071	.00094	.01804	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6775.2**	**75871.**	**6363.8**
Stddev	4.6	48.	41.0
%RSD	.06746	.06295	.64406
#1	6778.4	75905.	6392.7
#2	6772.0	75838.	6334.8

Sample Name: 280-49163-d-2-b Acquired: 11/15/2013 2:09:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.00733**	**-.00087**	**.02026**	**.07067**	**.00003**	**.00192**	**47.909**	**.00008**	**-.00012**
Stddev	.00035	.00033	.00166	.00017	.00080	.00007	.00055	.024	.00010	.00009
%RSD	21.165	4.5649	190.07	.85382	1.1250	210.28	28.489	.04956	123.11	76.519
#1	-.00141	.00757	-.00205	.02038	.07011	.00008	.00231	47.893	.00015	-.00005
#2	-.00191	.00710	.00030	.02014	.07124	-.00002	.00153	47.926	.00001	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00077**	**.11645**	**1.6342**	**.00466**	**14.898**	**.06350**	**.00135**	**59.975**	**.00037**
Stddev	.00001	.00068	.00006	.0542	.00230	.016	.00000	.00002	.738	.00013
%RSD	23.687	88.757	.04853	3.3160	49.281	.10842	.00670	1.3170	1.2300	35.955
#1	.00003	-.00125	.11649	1.5958	.00629	14.887	.06350	.00136	59.453	.00046
#2	.00002	-.00029	.11641	1.6725	.00304	14.910	.06350	.00134	60.497	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00575**	**-.00042**	**20.922**	**-.00020**	**-.00123**	**5.5748**	**11.930**	**-.00065**	**.71144**	**.00168**
Stddev	.00143	.00022	.008	.00083	.00186	.0758	.162	.00116	.00083	.00074
%RSD	24.914	53.228	.03782	425.53	151.87	1.3598	1.3598	176.72	.11611	44.000
#1	.00676	-.00026	20.927	-.00079	-.00254	5.5212	11.815	-.00147	.71086	.00116
#2	.00473	-.00058	20.916	.00039	.00009	5.6284	12.045	.00016	.71203	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00106**	**-.01933**	**.00046**	**.00965**	**.00065**
Stddev	.00028	.00034	.02018	.00022	.00017	.00098
%RSD	617.82	32.456	104.44	47.774	1.7167	151.40
#1	.00015	.00082	-.03360	.00061	.00953	-.00005
#2	-.00024	.00130	-.00505	.00030	.00976	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6802.8**	**75994.**	**6325.1**
Stddev	4.2	34.	37.8
%RSD	.06178	.04478	.59758
#1	6799.8	75970.	6351.9
#2	6805.8	76018.	6298.4

Sample Name: 280-49163-d-3-b Acquired: 11/15/2013 2:12:16 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00179**	**.04875**	**-.00036**	**.01487**	**.07404**	**.00006**	**.00181**	**52.450**	**.00021**	**.00018**
Stddev	.00058	.00007	.00098	.00010	.00079	.00006	.00035	.133	.00006	.00013
%RSD	32.191	.14150	274.12	.67826	1.0640	96.161	19.531	.25326	26.831	72.611
#1	-.00220	.04880	.00034	.01494	.07348	.00011	.00206	52.544	.00025	.00009
#2	-.00138	.04871	-.00106	.01480	.07460	.00002	.00156	52.356	.00017	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00054**	**.40336**	**2.1037**	**.00438**	**14.480**	**.30531**	**.00041**	**32.649**	**.00035**
Stddev	.00017	.00018	.00469	.0228	.00042	.010	.00006	.00012	.333	.00002
%RSD	126.55	33.840	1.1621	1.0836	9.6699	.07213	.02129	28.916	1.0192	6.1482
#1	.00001	-.00041	.40005	2.1198	.00408	14.487	.30527	.00032	32.414	.00037
#2	.00026	-.00067	.40668	2.0875	.00468	14.472	.30536	.00049	32.884	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02600**	**-.00033**	**13.944**	**.00087**	**.00199**	**5.7067**	**12.212**	**.00001**	**.72785**	**.00416**
Stddev	.00120	.00014	.009	.00210	.00351	.0773	.165	.00027	.00189	.00016
%RSD	4.6020	44.049	.06106	241.17	176.27	1.3549	1.3549	4946.2	.25983	3.9150
#1	.02515	-.00023	13.938	.00236	-.00049	5.6520	12.095	-.00018	.72919	.00427
#2	.02684	-.00043	13.950	-.00061	.00447	5.7614	12.329	.00019	.72652	.00404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00040**	**-.03725**	**.00020**	**.01258**	**-.00035**
Stddev	.00010	.00038	.00032	.00011	.00000	.00014
%RSD	62.921	94.640	.84803	55.308	.02395	41.631
#1	.00022	.00013	-.03702	.00012	.01259	-.00045
#2	.00008	.00067	-.03747	.00027	.01258	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6830.6**	**76234.**	**6411.8**
Stddev	18.6	103.	30.6
%RSD	.27303	.13461	.47801
#1	6843.8	76161.	6433.5
#2	6817.5	76307.	6390.1

Sample Name: 280-49163-c-4-e Acquired: 11/15/2013 2:14:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00183**	**.02551**	**-.00222**	**.01005**	**.05198**	**.00006**	**.00305**	**29.276**	**-.00003**	**-.00009**
Stddev	.00001	.00006	.00021	.00034	.00051	.00002	.00211	.007	.00004	.00002
%RSD	.28528	.23394	9.3744	3.4268	.98868	33.311	69.174	.02476	109.82	20.690
#1	-.00183	.02555	-.00237	.01029	.05234	.00004	.00156	29.281	-.00006	-.00007
#2	-.00183	.02547	-.00207	.00980	.05162	.00007	.00454	29.271	-.00001	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00031**	**.49832**	**1.1730**	**.00353**	**6.8666**	**.05425**	**.00050**	**13.030**	**.00132**
Stddev	.00023	.00006	.00016	.0020	.00198	.0321	.00022	.00022	.073	.00001
%RSD	149.25	19.747	.03281	.17266	55.957	.46705	.39635	44.514	.56287	.61807
#1	-.00001	-.00027	.49820	1.1716	.00214	6.8893	.05440	.00034	13.082	.00131
#2	.00031	-.00035	.49843	1.1744	.00493	6.8440	.05410	.00066	12.978	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01937**	**-.00102**	**9.7528**	**.00011**	**-.00207**	**5.5530**	**11.883**	**-.00060**	**.31442**	**.00310**
Stddev	.00029	.00022	.0046	.00034	.00014	.0408	.087	.00063	.00028	.00255
%RSD	1.4913	21.323	.04689	311.91	6.9400	.73519	.73519	104.70	.09051	82.151
#1	.01917	-.00087	9.7495	.00035	-.00217	5.5819	11.945	-.00104	.31462	.00491
#2	.01958	-.00118	9.7560	-.00013	-.00196	5.5241	11.822	-.00016	.31422	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00132**	W **-.05542**	**.00026**	**.01722**	**.00006**
Stddev	.00000	.00170	.04849	.00020	.00011	.00035
%RSD	21.316	128.94	87.482	78.529	.65543	604.51
#1	.00002	.00253	-.08971	.00012	.01729	-.00019
#2	.00003	.00012	-.02114	.00041	.01714	.00030
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.4**	**77719.**	**6397.9**
Stddev	31.8	440.	11.6
%RSD	.45998	.56557	.18117
#1	6924.9	77408.	6406.1
#2	6880.0	78030.	6389.7

Sample Name: 280-49163-d-5-b Acquired: 11/15/2013 2:17:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.00666**	**-.00153**	**.00936**	**.04736**	**.00006**	**.00254**	**26.483**	**.00002**	**.00002**
Stddev	.00067	.00020	.00241	.00007	.00021	.00005	.00258	.098	.00007	.00002
%RSD	44.972	2.9292	157.06	.75209	.43913	85.526	101.71	.37007	346.12	99.957
#1	-.00101	.00652	.00017	.00941	.04751	.00003	.00071	26.553	-.00003	.00003
#2	-.00195	.00680	-.00323	.00931	.04721	.00010	.00436	26.414	.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00040**	**.38615**	**1.0860**	**.00123**	**6.1156**	**.02506**	**.00066**	**11.289**	**.00044**
Stddev	.00014	.00015	.00426	.0244	.00196	.0149	.00017	.00002	.266	.00001
%RSD	125.11	38.131	1.1040	2.2483	159.09	.24310	.69769	3.2975	2.3577	1.2145
#1	.00001	-.00029	.38313	1.0687	-.00015	6.1261	.02493	.00064	11.101	.00043
#2	.00021	-.00050	.38916	1.1032	.00262	6.1051	.02518	.00067	11.477	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01167**	**-.00101**	**8.9489**	**-.00089**	**.00051**	**5.5413**	**11.858**	**-.00051**	**.27394**	**.00547**
Stddev	.00015	.00094	.0183	.00276	.00218	.0019	.004	.00100	.00041	.00102
%RSD	1.2876	93.407	.20457	310.37	430.12	.03497	.03497	196.12	.14889	18.694
#1	.01157	-.00168	8.9360	.00106	.00205	5.5400	11.856	.00020	.27423	.00619
#2	.01178	-.00034	8.9619	-.00284	-.00103	5.5427	11.861	-.00122	.27365	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00094**	**-.03672**	**.00033**	**.01439**	**-.00129**
Stddev	.00019	.00033	.04261	.00016	.00016	.00017
%RSD	71.669	35.697	116.05	47.941	1.1395	13.302
#1	-.00013	.00070	-.06686	.00022	.01451	-.00117
#2	-.00039	.00117	-.00659	.00044	.01428	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6867.1**	**76605.**	**6366.1**
Stddev	10.5	54.	25.7
%RSD	.15289	.07084	.40325
#1	6874.5	76644.	6348.0
#2	6859.7	76567.	6384.3

Sample Name: CCVH-2372891 Acquired: 11/15/2013 2:19:23 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00880**	**49.359**	**-.00290**	**.00088**	**.00060**	**.00001**	W **1.0902**	**.02757**	**.00077**	**-.00120**	**.00040**	**-.00824**
Stddev	.00030	.249	.00152	.00085	.00018	.00004	.0072	.00183	.00006	.00010	.00000	.00009
%RSD	3.4654	.50377	52.446	96.390	30.369	514.25	.65750	6.6518	7.2315	7.9335	.87634	1.1248
#1	-.00902	49.535	-.00182	.00149	.00073	-.00002	1.0851	.02886	.00073	-.00127	.00040	-.00831
#2	-.00858	49.184	-.00397	.00028	.00047	.00004	1.0953	.02627	.00081	-.00113	.00041	-.00818
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.186**	**.13536**	**.00375**	**.04887**	**-.00016**	**.00038**	**260.78**	**-.00085**	**.00173**	**-.00208**	**5.1569**	**.00128**
Stddev	.247	.02203	.00105	.00180	.00002	.00007	.84	.00015	.00017	.00166	.0149	.00085
%RSD	.47348	16.273	28.076	3.6882	11.939	17.733	.32170	17.306	9.7017	79.846	.28789	66.566
#1	52.011	.11979	.00301	.05014	-.00017	.00033	261.37	-.00096	.00161	-.00091	5.1464	.00188
#2	52.360	.15094	.00450	.04760	-.00015	.00043	260.18	-.00075	.00185	-.00326	5.1674	.00068
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00239**	**-.00232**	**-.00497**	**-.00038**	**.00009**	**5.2259**	**.01480**	**.00227**	F **8.4790**	**.00120**	**.00237**	**-.08210**
Stddev	.00111	.00363	.00776	.00019	.00007	.0039	.00062	.00056	.0063	.00001	.00054	.00113
%RSD	46.536	156.29	156.29	48.940	77.944	.07450	4.2095	24.585	.07475	.74949	22.932	1.3810
#1	-.00318	-.00488	-.01045	-.00051	.00014	5.2287	.01524	.00266	8.4835	.00119	.00275	-.08130
#2	-.00160	.00024	.00052	-.00025	.00004	5.2231	.01436	.00188	8.4745	.00121	.00198	-.08290
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6820.0**	**74768.**	**6305.5**
Stddev	3.8	263.	45.5
%RSD	.05559	.35138	.72169
#1	6822.7	74582.	6273.3
#2	6817.3	74954.	6337.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 2:21:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55832	W .55095	1.0684	.53627	.51028	.46763	-.00721	4.6569	.48583	.50669	.54535	.50770
Stddev	.00072	.00547	.0066	.00404	.00261	.00067	.00099	.0065	.00032	.00003	.00001	.00223
%RSD	.12934	.99266	.62194	.75351	.51058	.14280	13.700	.13983	.06619	.00551	.00169	.43948
#1	.55883	.54709	1.0731	.53912	.51212	.46810	-.00651	4.6615	.48606	.50671	.54536	.50613
#2	.55781	.55482	1.0637	.53341	.50843	.46716	-.00791	4.6523	.48560	.50667	.54534	.50928
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6467	48.664	1.0120	21.034	.50160	.53445	5.4180	F .55357	1.0616	.96794	.01844	1.0326
Stddev	.0267	.089	.0034	.008	.00099	.00033	.0399	.00612	.0010	.00083	.00362	.0025
%RSD	1.0101	.18296	.33908	.03857	.19756	.06261	.73575	1.1062	.08937	.08620	19.614	.24457
#1	2.6656	48.727	1.0145	21.028	.50090	.53469	5.4462	.55790	1.0622	.96853	.01588	1.0308
#2	2.6278	48.601	1.0096	21.040	.50230	.53422	5.3899	.54924	1.0609	.96735	.02100	1.0344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.490%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0907	5.1718	11.068	1.0622	.49373	.00562	.51427	1.0120	-.02709	.48452	.52740	.49011
Stddev	.0026	.0285	.061	.0029	.00263	.00166	.00198	.0049	.01737	.00273	.00106	.00156
%RSD	.23415	.55171	.55171	.27297	.53351	29.612	.38408	.48033	64.113	.56328	.20144	.31728
#1	1.0925	5.1920	11.111	1.0643	.49560	.00680	.51287	1.0154	-.03937	.48259	.52665	.48901
#2	1.0889	5.1517	11.025	1.0602	.49187	.00444	.51566	1.0085	-.01481	.48645	.52816	.49121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6820.1	75997.	6265.6
Stddev	15.6	402.	12.4
%RSD	.22928	.52920	.19750
#1	6831.2	76281.	6256.9
#2	6809.1	75712.	6274.4

Sample Name: CCB Acquired: 11/15/2013 2:23:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00130**	**.00028**	**-.00198**	**.00114**	**.00037**	**.00010**	**.00329**	**-.00062**	**-.00013**	**-.00029**	**-.00009**
Stddev	.00061	.00008	.00164	.00053	.00018	.00003	.00148	.00374	.00020	.00009	.00001
%RSD	46.852	30.354	82.908	46.082	49.272	25.522	44.850	600.13	155.53	31.331	9.4367
#1	-.00087	.00022	-.00314	.00151	.00049	.00009	.00434	.00202	-.00027	-.00022	-.00009
#2	-.00173	.00034	-.00082	.00077	.00024	.00012	.00225	-.00327	.00001	-.00035	-.00010
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.00087**	**.11813**	**.00000**	**.00171**	**.00011**	**.00014**	F **.30554**	**-.00007**	**.00045**	**.00093**
Stddev	.00011	.00185	.01388	.0000	.00216	.00008	.00002	.00348	.00011	.00126	.00094
%RSD	11.537	213.54	11.753	3812.2	126.34	74.146	12.469	1.1405	154.32	276.50	100.84
#1	-.00100	-.00044	.12795	.00003	.00018	.00017	.00015	.30801	-.00015	-.00043	.00159
#2	-.00085	.00217	.10831	-.00003	.00324	.00005	.00012	.30308	.00001	.00134	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01801**	W **.00611**	**.00329**	**.01232**	**.02637**	**-.00043**	**-.00009**	**.00430**	**.00010**	**.00021**	F **-.06872**
Stddev	.00160	.00040	.00065	.00327	.00701	.00048	.00005	.00052	.00013	.00147	.06179
%RSD	8.8685	6.5729	19.736	26.570	26.570	112.08	56.900	12.094	133.05	711.42	89.913
#1	.01913	.00583	.00375	.01464	.03132	-.00009	-.00012	.00467	.00019	-.00083	-.11241
#2	.01688	.00640	.00283	.01001	.02141	-.00078	-.00005	.00393	.00001	.00124	-.02503
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00016**	**.00322**	**-.00054**
Stddev	.00019	.00003	.00112
%RSD	118.25	1.0024	207.84
#1	.00029	.00320	-.00133
#2	.00003	.00324	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6840.8**	**76438.**	**6118.5**
Stddev	10.6	438.	3.6
%RSD	.15434	.57300	.05906
#1	6833.3	76129.	6121.1
#2	6848.3	76748.	6115.9

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:26:17 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00954**	**.11226**	**.01523**	**.10680**	**.01052**	**.00097**	**.11808**	**.18899**	**.00481**	**.01029**	**.01098**	**.01360**	**.10351**
Stddev	.00027	.00008	.00189	.00087	.00028	.00004	.00099	.00307	.00002	.00012	.00007	.00088	.00329
%RSD	2.8099	.06698	12.396	.81647	2.6561	4.5017	.83959	1.6233	.42173	1.1845	.63145	6.4926	3.1782
#1	.00972	.11221	.01657	.10619	.01072	.00100	.11738	.18682	.00480	.01020	.01103	.01423	.10584
#2	.00935	.11231	.01390	.10742	.01033	.00094	.11878	.19116	.00483	.01038	.01093	.01298	.10119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9589**	**.01046**	**.22247**	**.01031**	**.02050**	**1.2911**	**.04465**	**3.1134**	**.00804**	**.01736**	**.01066**	**.01767**	**.49801**
Stddev	.0118	.00146	.00443	.00006	.00000	.0057	.00057	.0176	.00078	.00136	.00167	.00445	.01799
%RSD	.39773	13.945	1.9930	.59825	.00225	.44389	1.2663	.56468	9.6826	7.8424	15.633	25.161	3.6123
#1	2.9672	.01149	.22561	.01035	.02050	1.2870	.04425	3.1010	.00859	.01832	.00948	.02081	.48529
#2	2.9505	.00943	.21933	.01026	.02050	1.2952	.04505	3.1258	.00749	.01640	.01184	.01453	.51073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0657**	**.10869**	**.00969**	**.01822**	**.01013**	**.01488**	**.04676**	**.01010**	F **.02624**	**.01372**
Stddev	.0385	.00143	.00010	.00134	.00004	.00122	.01262	.00018	.00062	.00039
%RSD	3.6123	1.3133	1.0014	7.3644	.41174	8.1780	26.980	1.7534	2.3499	2.8679
#1	1.0385	.10768	.00976	.01727	.01010	.01574	.03784	.01023	.02667	.01344
#2	1.0930	.10970	.00962	.01917	.01016	.01402	.05568	.00998	.02580	.01400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.3**	**77921.**	**6298.1**
Stddev	26.0	379.	7.9
%RSD	.36776	.48689	.12608
#1	7048.0	77653.	6292.5
#2	7084.7	78189.	6303.7

Sample Name: 280-49163-c-6-e Acquired: 11/15/2013 2:28:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.02086**	**-.00336**	**.00674**	**.02716**	**.00005**	**.00180**	**14.908**	**.00002**	**-.00011**
Stddev	.00008	.00043	.00109	.00000	.00030	.00007	.00093	.049	.00013	.00016
%RSD	6.6453	2.0595	32.555	.04310	1.0953	155.27	51.574	.32844	577.95	143.67
#1	-.00130	.02117	-.00259	.00674	.02695	.00010	.00246	14.873	.00011	-.00022
#2	-.00118	.02056	-.00413	.00673	.02737	.00000	.00115	14.942	-.00007	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00064**	**.07919**	**.77075**	**.00690**	**1.9924**	**.02196**	**.00229**	**5.6003**	**.00020**
Stddev	.00003	.00032	.00177	.00542	.00029	.0049	.00003	.00000	.0009	.00009
%RSD	32.034	50.216	2.2401	.70354	4.1672	.24574	.13691	.06085	.01638	44.953
#1	.00010	-.00042	.07793	.76692	.00669	1.9959	.02198	.00230	5.6010	.00014
#2	.00006	-.00087	.08044	.77459	.00710	1.9890	.02194	.00229	5.5997	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**-.00102**	**2.2686**	**.00131**	**.00173**	**5.3820**	**11.518**	**-.00061**	**.13597**	**.00307**
Stddev	.00278	.00106	.0021	.00216	.00220	.0463	.099	.00013	.00124	.00066
%RSD	15.863	104.21	.09036	164.62	127.29	.86031	.86031	22.187	.90995	21.612
#1	.01557	-.00177	2.2672	-.00021	.00017	5.3493	11.447	-.00070	.13510	.00353
#2	.01950	-.00027	2.2701	.00284	.00328	5.4148	11.588	-.00051	.13685	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00098**	**-.03484**	**.00051**	**.00950**	**.00090**
Stddev	.00000	.00024	.04568	.00029	.00004	.00118
%RSD	1.4261	24.133	131.11	57.254	.40382	131.95
#1	.00033	.00115	-.06714	.00072	.00952	.00173
#2	.00034	.00081	-.00254	.00031	.00947	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7042.1**	**78799.**	**6535.0**
Stddev	4.3	37.	17.3
%RSD	.06079	.04721	.26536
#1	7039.0	78826.	6547.3
#2	7045.1	78773.	6522.7

Sample Name: 280-49163-c-7-e Acquired: 11/15/2013 2:31:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**.00946**	**-.00135**	**.00743**	**.04324**	**-.00001**	**.00234**	**22.884**	**.00013**	**.00002**
Stddev	.00054	.00015	.00137	.00027	.00016	.00005	.00048	.076	.00010	.00023
%RSD	29.039	1.6130	101.25	3.6748	.36566	766.66	20.579	.33081	82.551	1340.3
#1	-.00224	.00957	-.00038	.00763	.04313	.00003	.00200	22.830	.00005	-.00015
#2	-.00147	.00935	-.00232	.00724	.04335	-.00004	.00268	22.937	.00020	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00030**	**.27067**	**.97493**	**.00197**	**5.2116**	**.01879**	**.00063**	**8.4352**	**.00033**
Stddev	.00004	.00045	.00637	.00272	.00185	.0078	.00002	.00021	.0526	.00017
%RSD	60.121	151.77	2.3550	.27932	94.152	.15020	.11040	34.100	.62340	52.668
#1	.00004	.00002	.26616	.97686	.00066	5.2172	.01881	.00078	8.3980	.00045
#2	.00010	-.00062	.27518	.97301	.00328	5.2061	.01878	.00048	8.4724	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.00031**	**6.5276**	**-.00194**	**.00194**	**6.0611**	**12.971**	**-.00059**	**.23220**	**.00413**
Stddev	.00130	.00119	.0190	.00068	.00180	.0517	.111	.00079	.00087	.00058
%RSD	11.700	382.97	.29032	35.215	92.799	.85281	.85281	132.01	.37261	14.081
#1	.01200	-.00053	6.5410	-.00146	.00322	6.0245	12.893	-.00004	.23158	.00372
#2	.01017	.00115	6.5142	-.00242	.00067	6.0976	13.049	-.00115	.23281	.00454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00120**	**-.03683**	**.00037**	**.01121**	**.00052**
Stddev	.00016	.00025	.01388	.00020	.00045	.00263
%RSD	77.301	20.832	37.690	54.899	3.9949	510.68
#1	.00032	.00138	-.04665	.00023	.01153	.00238
#2	.00009	.00103	-.02702	.00052	.01089	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7015.6**	**78926.**	**6534.6**
Stddev	7.6	125.	13.0
%RSD	.10880	.15842	.19839
#1	7020.9	78838.	6543.8
#2	7010.2	79015.	6525.5

Sample Name: 280-49163-c-8-e Acquired: 11/15/2013 2:33:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**.02431**	**-.00178**	**.01244**	**.06405**	**.00004**	**.00214**	**37.259**	**-.00007**	**.00011**
Stddev	.00056	.00040	.00089	.00005	.00003	.00002	.00132	.037	.00011	.00005
%RSD	43.974	1.6462	50.026	.41105	.04422	43.293	61.621	.09846	148.92	45.193
#1	-.00168	.02403	-.00240	.01241	.06403	.00005	.00121	37.285	-.00015	.00007
#2	-.00088	.02460	-.00115	.01248	.06407	.00003	.00307	37.233	.00000	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00011**	**1.0961**	**1.5878**	**.00397**	**9.5888**	**.22608**	**.00046**	**19.474**	**.00063**
Stddev	.00004	.00012	.0070	.0239	.00011	.0075	.00051	.00011	.029	.00013
%RSD	40.379	110.82	.63641	1.5022	2.8593	.07780	.22525	23.625	.14670	19.981
#1	.00007	-.00002	1.0912	1.6047	.00405	9.5941	.22572	.00039	19.454	.00054
#2	.00013	-.00020	1.1011	1.5710	.00389	9.5836	.22644	.00054	19.494	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04398**	**-.00076**	**14.415**	**.00037**	**-.00027**	**5.9265**	**12.683**	**-.00059**	**.43185**	**.00272**
Stddev	.00091	.00014	.036	.00099	.00185	.0075	.016	.00022	.00087	.00135
%RSD	2.0699	18.456	.24682	266.03	688.05	.12647	.12647	37.913	.20039	49.534
#1	.04333	-.00086	14.440	.00108	-.00157	5.9318	12.694	-.00043	.43246	.00367
#2	.04462	-.00066	14.390	-.00033	.00104	5.9212	12.671	-.00075	.43124	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00021**	W **-.05147**	**.00015**	**.01076**	**-.00060**
Stddev	.00030	.00020	.00657	.00005	.00013	.00148
%RSD	165.30	96.515	12.769	35.384	1.2405	245.17
#1	.00039	.00036	-.04682	.00011	.01085	.00044
#2	-.00003	.00007	-.05612	.00018	.01067	-.00165
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6913.7**	**77773.**	**6467.9**
Stddev	5.8	244.	60.7
%RSD	.08397	.31422	.93795
#1	6917.8	77946.	6425.0
#2	6909.6	77600.	6510.8

Sample Name: 280-49163-c-9-e Acquired: 11/15/2013 2:35:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.01009**	**-.00106**	**.01917**	**.07062**	**.00008**	**.00118**	**82.706**	**.00030**	**-.00017**
Stddev	.00011	.00005	.00230	.00006	.00039	.00007	.00021	.353	.00015	.00000
%RSD	7.9970	.45667	216.84	.33371	.55671	82.301	18.079	.42722	49.416	2.4715
#1	-.00152	.01012	.00057	.01922	.07034	.00013	.00103	82.956	.00040	-.00017
#2	-.00136	.01006	-.00269	.01913	.07089	.00003	.00133	82.457	.00019	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00063**	**.08574**	**1.8230**	**.00456**	**22.844**	**.03291**	**.00025**	**54.312**	**.00033**
Stddev	.00010	.00010	.00226	.0610	.00058	.060	.00005	.00027	.224	.00002
%RSD	178.37	15.801	2.6372	3.3470	12.789	.26142	.15145	109.23	.41155	7.3548
#1	-.00012	-.00056	.08733	1.7798	.00497	22.886	.03295	.00044	54.470	.00032
#2	.00001	-.00070	.08414	1.8661	.00415	22.802	.03288	.00006	54.154	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02038**	**-.00015**	**32.829**	**.00230**	**.00262**	**4.9482**	**10.589**	**-.00079**	**1.4605**	**.00509**
Stddev	.00141	.00018	.032	.00129	.00056	.0069	.015	.00051	.0046	.00009
%RSD	6.9412	116.71	.09762	56.275	21.464	.13962	.13962	63.906	.31433	1.8201
#1	.01938	-.00003	32.806	.00321	.00301	4.9433	10.579	-.00044	1.4637	.00515
#2	.02138	-.00027	32.851	.00138	.00222	4.9531	10.600	-.00115	1.4573	.00502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00063**	W **-.08071**	**.00018**	**.00982**	**-.00088**
Stddev	.00008	.00013	.01398	.00071	.00015	.00120
%RSD	25.616	20.755	17.327	399.94	1.5167	137.11
#1	-.00027	.00072	-.09060	-.00033	.00993	-.00003
#2	-.00039	.00054	-.07082	.00068	.00972	-.00173
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6757.1**	**76267.**	**6452.2**
Stddev	1.9	303.	25.5
%RSD	.02791	.39704	.39564
#1	6755.8	76053.	6434.2
#2	6758.5	76481.	6470.3

Sample Name: 280-49163-c-9-eSD@5 Acquired: 11/15/2013 2:38:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**.00905**	**.00125**	**.00359**	**.01437**	**.00003**	**.00238**	**16.496**	**.00006**	**-.00006**
Stddev	.00019	.00014	.00052	.00059	.00026	.00000	.00011	.242	.00001	.00010
%RSD	14.794	1.5264	41.871	16.433	1.8211	3.0564	4.6823	1.4648	21.227	163.22
#1	-.00117	.00915	.00088	.00400	.01456	.00003	.00230	16.666	.00005	-.00013
#2	-.00145	.00896	.00161	.00317	.01419	.00003	.00246	16.325	.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00129**	**.02982**	**.47003**	**.00081**	**4.6372**	**.00680**	**-.00020**	W **10.591**	**11.470**
Stddev	.00001	.00031	.00179	.04476	.00042	.0163	.00002	.00006	.087	.100
%RSD	16.636	24.267	6.0056	9.5228	51.483	.35108	.26743	28.996	.82258	.87118
#1	-.00007	-.00107	.03108	.50168	.00052	4.6257	.00682	-.00024	10.653	11.540
#2	-.00009	-.00151	.02855	.43838	.00111	4.6487	.00679	-.00016	10.529	11.399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00565**	**-.00045**	**6.4218**	**.00013**	**.00144**	**.99107**	**2.1209**	**.00078**	**.28900**
Stddev	.00016	.00070	.00026	.0015	.00038	.00132	.00120	.0026	.00049	.00360
%RSD	159.93	12.345	59.238	.02419	303.83	91.160	.12091	.12091	63.153	1.2454
#1	-.00021	.00615	-.00026	6.4228	-.00014	.00237	.99022	2.1191	.00043	.29154
#2	.00001	.00516	-.00063	6.4207	.00040	.00051	.99192	2.1227	.00113	.28645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**-.00005**	**-.00028**	W **-.05642**	**.00018**	**.00710**	**.00110**
Stddev	.00143	.00025	.00077	.04294	.00029	.00025	.00007
%RSD	36.738	490.64	274.48	76.122	161.29	3.4491	6.4140
#1	.00490	-.00023	.00026	-.08678	.00038	.00693	.00105
#2	.00288	.00013	-.00083	-.02605	-.00002	.00728	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6936.5**	**77828.**	**6491.4**
Stddev	26.5	483.	79.4
%RSD	.38259	.62043	1.2239
#1	6917.8	78170.	6435.2
#2	6955.3	77487.	6547.5

Sample Name: 280-49163-c-9-f ms Acquired: 11/15/2013 2:40:26 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05314**	**1.9599**	**1.0567**	**1.0826**	**2.0519**	**.04557**	F **2.1333**	**123.44**	**.09520**	**.47239**
Stddev	.00007	.0022	.0004	.0007	.0065	.00001	.0000	.47	.00004	.00079
%RSD	.12424	.11177	.03904	.06439	.31868	.01131	.00113	.38378	.04665	.16763
#1	.05319	1.9583	1.0564	1.0821	2.0473	.04557	2.1333	123.11	.09523	.47295
#2	.05310	1.9614	1.0570	1.0831	2.0566	.04556	2.1333	123.78	.09516	.47183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21141**	**.24976**	**1.0789**	**50.234**	**1.0057**	**73.096**	**.50840**	**1.0360**	**102.20**	**.51242**
Stddev	.00003	.00027	.0031	.210	.0049	.033	.00076	.0009	.32	.00094
%RSD	.01430	.10756	.29124	.41877	.48981	.04577	.14904	.08520	.30847	.18360
#1	.21139	.24957	1.0767	50.085	1.0022	73.119	.50893	1.0353	101.97	.51175
#2	.21144	.24995	1.0811	50.382	1.0092	73.072	.50786	1.0366	102.42	.51308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.747**	**.44230**	**32.406**	**.51045**	**2.1434**	**14.959**	**32.012**	W **2.0104**	**2.3844**	**.99891**
Stddev	.014	.00020	.030	.00152	.0047	.014	.031	.0048	.0088	.00124
%RSD	.13303	.04560	.09262	.29710	.22165	.09558	.09558	.24037	.37011	.12416
#1	10.758	.44244	32.427	.51152	2.1467	14.969	32.034	2.0070	2.3781	.99979
#2	10.737	.44215	32.384	.50937	2.1400	14.949	31.991	2.0138	2.3906	.99803
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0100**	**1.8179**	**3.2638**	**.47500**	**.49766**	**.46475**
Stddev	.0011	.0001	.0180	.00032	.00255	.00491
%RSD	.11183	.00294	.55190	.06723	.51320	1.0570
#1	1.0092	1.8180	3.2766	.47523	.49585	.46127
#2	1.0108	1.8179	3.2511	.47478	.49946	.46822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6686.3**	**74691.**	**6469.1**
Stddev	10.0	28.	39.2
%RSD	.14898	.03794	.60597
#1	6693.4	74671.	6496.8
#2	6679.3	74711.	6441.4

Sample Name: 280-49163-c-9-g msd Acquired: 11/15/2013 2:42:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05226**	**1.9581**	**1.0555**	**1.0920**	**2.0519**	**.04573**	F **2.1224**	**126.15**	**.09494**	**.46925**
Stddev	.00020	.0051	.0011	.0065	.0057	.00029	.0097	.08	.00033	.00020
%RSD	.37338	.26078	.10060	.59277	.27578	.63250	.45704	.06038	.34848	.04208
#1	.05239	1.9545	1.0562	1.0966	2.0559	.04594	2.1292	126.21	.09517	.46911
#2	.05212	1.9617	1.0547	1.0874	2.0479	.04553	2.1155	126.10	.09470	.46939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21125**	**.24571**	**1.0932**	**50.403**	**1.0055**	**73.337**	**.50568**	**1.0375**	**104.09**	**.51154**
Stddev	.00092	.00127	.0124	.061	.0028	.015	.00001	.0028	.37	.00357
%RSD	.43614	.51696	1.1390	.12131	.27746	.02093	.00166	.27182	.35657	.69805
#1	.21190	.24660	1.1021	50.360	1.0075	73.326	.50568	1.0355	104.35	.51407
#2	.21059	.24481	1.0844	50.446	1.0035	73.348	.50567	1.0394	103.82	.50902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.700**	**.44231**	**33.266**	**.51092**	**2.1497**	**15.233**	**32.599**	W **2.0280**	**2.4338**	**.98982**
Stddev	.004	.00336	.076	.00353	.0090	.033	.071	.0098	.0029	.00512
%RSD	.03504	.76018	.22831	.69156	.41712	.21686	.21686	.48531	.11791	.51714
#1	10.702	.44469	33.320	.51342	2.1561	15.210	32.549	2.0350	2.4358	.99344
#2	10.697	.43993	33.213	.50842	2.1434	15.257	32.649	2.0210	2.4317	.98620
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0114**	**1.8167**	**3.2058**	**.47212**	**.49686**	**.46400**
Stddev	.0012	.0051	.0110	.00300	.00287	.00283
%RSD	.11727	.28280	.34226	.63512	.57770	.60893
#1	1.0122	1.8204	3.1981	.47424	.49483	.46201
#2	1.0105	1.8131	3.2136	.47000	.49889	.46600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.2**	**74836.**	**6408.5**
Stddev	16.4	434.	41.9
%RSD	.24592	.58040	.65347
#1	6677.7	75143.	6438.1
#2	6654.6	74529.	6378.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 2:44:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00869**	**47.842**	**-.00012**	**.00373**	**.00116**	**-.00009**	W **1.0773**	**.02979**	**.00081**	**-.00119**	**.00033**	**-.00805**
Stddev	.00000	.088	.00231	.00008	.00016	.00010	.0054	.00527	.00019	.00008	.00019	.00019
%RSD	.03764	.18346	1889.1	2.2712	13.674	110.60	.50165	17.676	23.896	6.3947	57.307	2.3306
#1	-.00870	47.904	.00151	.00379	.00127	-.00002	1.0811	.03351	.00068	-.00125	.00047	-.00818
#2	-.00869	47.780	-.00176	.00367	.00105	-.00017	1.0735	.02607	.00095	-.00114	.00020	-.00792
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.611**	**.18247**	**.00046**	**.05447**	**-.00005**	**.00095**	**254.12**	**-.00076**	**.00360**	**-.00258**	**5.0690**	**.00197**
Stddev	.221	.00238	.00043	.00554	.00006	.00004	.26	.00045	.00045	.00056	.0255	.00269
%RSD	.43590	1.3057	92.991	10.178	118.54	4.0124	.10090	59.150	12.609	21.729	.50345	136.78
#1	50.455	.18415	.00076	.05055	-.00001	.00092	254.30	-.00107	.00392	-.00219	5.0871	.00006
#2	50.767	.18078	.00016	.05839	-.00009	.00098	253.93	-.00044	.00328	-.00298	5.0510	.00387
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**.01015**	**.02173**	**.00059**	**.00041**	**5.1209**	**.01495**	**.00227**	F **8.3885**	**.00067**	**.00264**	**-.08038**
Stddev	.00426	.01532	.03278	.00028	.00007	.0144	.00056	.00125	.1098	.00040	.00012	.00255
%RSD	216.97	150.88	150.88	47.683	16.302	.28224	3.7535	54.963	1.3090	59.782	4.6670	3.1751
#1	-.00498	.02098	.04491	.00039	.00046	5.1107	.01535	.00139	8.4662	.00096	.00255	-.08218
#2	.00105	-.00068	-.00145	.00079	.00036	5.1311	.01455	.00315	8.3109	.00039	.00273	-.07857
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6849.1**	**75637.**	**6401.3**
Stddev	18.0	221.	68.8
%RSD	.26281	.29213	1.0748
#1	6861.8	75793.	6352.7
#2	6836.3	75481.	6450.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 2:47:01 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56302	.54912	1.0781	.54188	.51265	.46851	-.00756	4.6671	.48678	.50742	.54858	.50893
Stddev	.00150	.00265	.0001	.00025	.00095	.00127	.00218	.0116	.00022	.00127	.00143	.00160
%RSD	.26570	.48340	.01020	.04685	.18628	.27187	28.843	.24903	.04616	.25092	.25988	.31415
#1	.56408	.55100	1.0782	.54170	.51198	.46761	-.00602	4.6589	.48662	.50832	.54958	.51006
#2	.56196	.54725	1.0780	.54206	.51333	.46941	-.00910	4.6753	.48694	.50652	.54757	.50780
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.490%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6600	48.782	1.0164	21.179	.50282	.53582	5.3810	F .55361	1.0709	.96197	.01204	1.0369
Stddev	.0037	.012	.0014	.007	.00002	.00172	.0132	.00055	.0001	.00354	.00026	.0039
%RSD	.13782	.02411	.13924	.03509	.00381	.32071	.24522	.09977	.00995	.36828	2.1353	.37292
#1	2.6574	48.791	1.0154	21.184	.50284	.53704	5.3717	.55322	1.0708	.96447	.01186	1.0396
#2	2.6626	48.774	1.0174	21.174	.50281	.53461	5.3903	.55400	1.0710	.95946	.01222	1.0342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.490%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 1.1048	5.2338	11.200	1.0635	.49555	.00466	.51584	1.0100	-.01192	.48281	.52855	.49459
Stddev	.0048	.0076	.016	.0051	.00133	.00020	.00034	.0016	.02209	.00142	.00093	.00196
%RSD	.43377	.14434	.14434	.47761	.26749	4.3670	.06543	.15458	185.35	.29457	.17588	.39538
#1	1.1082	5.2284	11.189	1.0671	.49462	.00451	.51560	1.0111	.00370	.48180	.52921	.49597
#2	1.1014	5.2391	11.212	1.0599	.49649	.00480	.51608	1.0089	-.02754	.48381	.52789	.49321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000											
Range	10.000%											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6890.0	76536.	6324.0
Stddev	14.9	246.	43.6
%RSD	.21654	.32133	.68910
#1	6879.5	76710.	6293.2
#2	6900.6	76363.	6354.9

Sample Name: CCB Acquired: 11/15/2013 2:49:09 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00116**	**.00042**	**-.00081**	**.00249**	F **.00282**	F **.00051**	**.00146**	F **.15840**	**.00002**	**-.00019**	**-.00009**
Stddev	.00103	.00026	.00107	.00008	.00314	.00045	.00136	.22829	.00006	.00007	.00009
%RSD	89.263	61.015	131.28	3.1712	111.59	88.265	92.882	144.12	260.58	37.581	108.02
#1	-.00043	.00060	-.00157	.00243	.00504	.00082	.00050	.31983	.00006	-.00014	-.00015
#2	-.00189	.00024	-.00006	.00254	.00059	.00019	.00243	-.00303	-.00002	-.00024	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00115	.00050		.06900			
Low Limit	-.00093				-.00115	-.00050		-.06900			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00795**	F **.03989**	**.21514**	**.00190**	**.00278**	**.00004**	**.00029**	F **.56209**	**-.00035**	**.00174**	**-.00014**
Stddev	.00038	.05723	.08000	.00246	.00247	.00007	.00010	.38488	.00010	.00103	.00038
%RSD	4.7285	143.45	37.184	129.38	88.943	170.75	33.788	68.472	29.131	59.208	263.43
#1	.00769	.08036	.27171	.00364	.00453	-.00001	.00036	.83424	-.00042	.00101	.00012
#2	.00822	-.00057	.15858	.00016	.00103	.00009	.00022	.28994	-.00028	.00246	-.00041
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272	.03000						.18320			
Low Limit	-.00272	-.03000						-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02260**	W **.00531**	**.00060**	W **.03487**	**.07462**	**-.00014**	F **.00322**	**.00378**	**-.00007**	**-.00035**	**-.01905**
Stddev	.01328	.00180	.00057	.04810	.10293	.00009	.00445	.00209	.00017	.00152	.02935
%RSD	58.762	34.013	94.749	137.93	137.93	64.442	138.07	55.208	240.32	431.04	154.06
#1	.01321	.00403	.00020	.06888	.14740	-.00020	.00637	.00525	-.00019	.00072	-.03981
#2	.03200	.00658	.00101	.00086	.00184	-.00008	.00008	.00230	.00005	-.00143	.00170
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470			.00050				
Low Limit		-.00314		-.06940			-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00051**	**.00399**	**-.00020**
Stddev	.00010	.00027	.00123
%RSD	18.847	6.6875	610.41
#1	.00044	.00380	.00067
#2	.00058	.00418	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.6**	**76951.**	**6318.6**
Stddev	25.6	551.	21.9
%RSD	.37283	.71553	.34657
#1	6881.7	77341.	6303.1
#2	6845.5	76562.	6334.1

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:51:29 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.11242**	**.01408**	**.10848**	**.01071**	**.00093**	**.11827**	**.18607**	**.00471**	**.01047**	**.01109**	**.01440**	**.10273**	**2.9644**
Stddev	.00042	.00031	.00351	.00030	.00069	.00008	.00005	.00085	.00000	.00011	.00001	.00083	.00195	.0387
%RSD	4.3468	.27470	24.916	.27221	6.4522	8.6286	.04362	.45564	.05659	1.0574	.11563	5.7703	1.9018	1.3063
#1	.00943	.11220	.01160	.10869	.01022	.00088	.11823	.18547	.00471	.01040	.01108	.01499	.10411	2.9918
#2	.01002	.11264	.01656	.10827	.01120	.00099	.11830	.18667	.00471	.01055	.01110	.01381	.10135	2.9370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01172**	**.21884**	**.01022**	**.02057**	**1.2375**	**.04506**	**3.1246**	**.00871**	**.00825**	**.00994**	**.01814**	**.50009**	**1.0702**	**.10723**
Stddev	.00333	.00201	.00003	.00016	.0002	.00046	.0111	.00048	.00049	.00217	.00001	.01154	.0247	.00080
%RSD	28.389	.92026	.32598	.76768	.01498	1.0231	.35599	5.5606	5.9034	21.797	.03136	2.3078	2.3078	.74996
#1	.00937	.22026	.01020	.02046	1.2376	.04474	3.1167	.00905	.00860	.01148	.01814	.50825	1.0876	.10666
#2	.01408	.21741	.01025	.02068	1.2373	.04539	3.1324	.00837	.00791	.00841	.01815	.49192	1.0527	.10780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.01680**	**.01008**	**.01659**	**.05037**	**.00960**	**.02498**	**.01404**
Stddev	.00009	.00147	.00001	.00005	.03261	.00039	.00040	.00125
%RSD	.94629	8.7527	.05638	.31487	64.744	4.0134	1.6044	8.8769
#1	.00956	.01784	.01008	.01655	.02731	.00987	.02527	.01316
#2	.00969	.01576	.01007	.01662	.07343	.00933	.02470	.01493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7062.9**	**78543.**	**6410.0**
Stddev	21.2	545.	147.9
%RSD	.30050	.69402	2.3080
#1	7077.9	78157.	6514.7
#2	7047.8	78928.	6305.4

Sample Name: mb 280-200877/1-a Acquired: 11/15/2013 2:53:50 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00156**	**.00183**	**.00045**	**.00138**	**.00045**	**.00010**	**.00359**	**.00546**	**-.00028**	**-.00017**
Stddev	.00088	.00027	.00059	.00038	.00007	.00004	.00079	.00090	.00002	.00015
%RSD	56.248	14.495	130.67	27.519	15.883	36.638	21.951	16.483	6.5130	84.907
#1	-.00094	.00164	.00003	.00111	.00050	.00008	.00303	.00610	-.00027	-.00007
#2	-.00219	.00202	.00087	.00165	.00040	.00013	.00414	.00483	-.00029	-.00027
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00098**	**.00023**	**.06224**	**-.00037**	**.00232**	**.00018**	**-.00020**	W **.24159**	**-.00031**
Stddev	.00008	.00026	.00043	.01010	.00178	.00005	.00002	.00008	.00413	.00015
%RSD	261.96	26.180	188.30	16.228	485.39	2.2042	9.3027	38.990	1.7090	48.314
#1	-.00002	-.00116	.00054	.06938	.00089	.00228	.00017	-.00025	.23867	-.00020
#2	.00008	-.00080	-.00008	.05510	-.00162	.00235	.00019	-.00014	.24451	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00043**	F **.01531**	**.00160**	**-.00192**	F **.01146**	**.02453**	**-.00031**	**-.00005**	W **.00358**
Stddev	.00086	.00033	.00150	.00134	.00093	.00987	.02113	.00006	.00015	.00006
%RSD	270.40	77.949	9.8142	83.705	48.552	86.119	86.119	19.973	326.76	1.7570
#1	-.00029	-.00066	.01637	.00254	-.00258	.01844	.03947	-.00027	-.00015	.00354
#2	.00093	-.00019	.01424	.00065	-.00126	.00448	.00959	-.00036	.00006	.00363
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00049**	**-.00272**	**-.00034**	W **.00381**	**.00012**
Stddev	.00004	.00019	.02193	.00037	.00025	.00214
%RSD	18.298	39.367	804.96	107.09	6.5310	1839.5
#1	-.00026	.00035	-.01823	-.00060	.00363	.00163
#2	-.00020	.00063	.01278	-.00008	.00399	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.8**	**77562.**	**6316.8**
Stddev	9.6	452.	11.9
%RSD	.13853	.58319	.18764
#1	6968.6	77882.	6308.5
#2	6954.9	77242.	6325.2

Sample Name: lcs 280-200877/2-a Acquired: 11/15/2013 2:56:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**2.0156**	**1.0580**	**1.0630**	**2.0259**	**.04662**	**2.1641**	F **44.218**	**.09480**	**.48407**
Stddev	.00023	.0022	.0024	.0033	.0009	.00030	.0052	.107	.00005	.00212
%RSD	.43051	.11023	.22872	.31127	.04388	.64811	.24090	.24286	.04816	.43741
#1	.05337	2.0141	1.0597	1.0653	2.0266	.04641	2.1678	44.293	.09484	.48557
#2	.05305	2.0172	1.0563	1.0607	2.0253	.04684	2.1604	44.142	.09477	.48257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21575**	**.24875**	**1.0460**	**48.713**	**1.0136**	**51.675**	**.48564**	**1.0408**	**51.565**	**.52813**
Stddev	.00103	.00008	.0009	.122	.0010	.426	.00253	.0039	.399	.00385
%RSD	.47596	.03256	.08683	.25062	.10328	.82371	.52159	.37043	.77307	.72839
#1	.21647	.24881	1.0453	48.626	1.0128	51.976	.48743	1.0435	51.283	.53085
#2	.21502	.24870	1.0466	48.799	1.0143	51.374	.48385	1.0381	51.847	.52541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.665**	**.45164**	**.06967**	**.50857**	**2.1706**	**10.300**	**22.042**	**2.0464**	**.97842**	**1.0103**
Stddev	.044	.00065	.08843	.00019	.0004	.040	.086	.0124	.00033	.0051
%RSD	.41584	.14378	126.93	.03671	.01659	.39141	.39141	.60326	.03335	.50239
#1	10.634	.45210	.00714	.50844	2.1703	10.272	21.981	2.0552	.97865	1.0139
#2	10.696	.45118	.13220	.50871	2.1708	10.329	22.103	2.0377	.97819	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0151**	**1.8931**	F **3.3240**	**.47850**	**.50604**	**.46989**
Stddev	.0043	.0080	.0435	.00102	.00656	.00036
%RSD	.41935	.42087	1.3100	.21412	1.2964	.07618
#1	1.0181	1.8987	3.2933	.47922	.51068	.46964
#2	1.0121	1.8875	3.3548	.47778	.50141	.47014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6775.5**	**75126.**	**6329.3**
Stddev	22.1	818.	7.7
%RSD	.32547	1.0890	.12183
#1	6759.9	74548.	6323.9
#2	6791.1	75705.	6334.8

Sample Name: 280-49163-c-1-a Acquired: 11/15/2013 2:58:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**.22327**	**-.00356**	**.02332**	**.08192**	**-.00003**	**.00232**	**52.343**	**.00026**	**-.00020**
Stddev	.00080	.00210	.00038	.00073	.00005	.00004	.00015	.010	.00016	.00014
%RSD	50.511	.94068	10.782	3.1289	.06378	171.66	6.3113	.01964	60.745	68.397
#1	-.00102	.22475	-.00383	.02383	.08196	-.00006	.00243	52.335	.00015	-.00010
#2	-.00215	.22178	-.00328	.02280	.08189	.00001	.00222	52.350	.00037	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00012**	**.33957**	**1.8229**	**.00218**	**17.586**	**.10389**	**.00192**	**62.261**	**.00043**
Stddev	.00005	.00025	.00012	.0471	.00069	.043	.00001	.00004	.034	.00011
%RSD	14.876	205.50	.03675	2.5811	31.641	.24281	.00621	2.0822	.05510	25.725
#1	.00038	.00005	.33966	1.8562	.00266	17.617	.10388	.00189	62.285	.00051
#2	.00031	-.00030	.33948	1.7896	.00169	17.556	.10389	.00195	62.236	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01399**	**.00002**	**23.042**	**.00073**	**.00250**	**5.7719**	**12.352**	**.00007**	**.81710**	**.00384**
Stddev	.00133	.00034	.021	.00139	.00056	.0186	.040	.00035	.00035	.00153
%RSD	9.5219	1487.3	.09008	190.45	22.376	.32303	.32303	491.57	.04239	39.949
#1	.01493	-.00022	23.057	.00172	.00210	5.7587	12.324	.00032	.81685	.00275
#2	.01305	.00026	23.027	-.00025	.00289	5.7851	12.380	-.00018	.81734	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00587**	**.00141**	**-.01384**	**.00108**	**.00515**	**-.00116**
Stddev	.00034	.00014	.05247	.00008	.00019	.00026
%RSD	5.7392	10.095	379.18	7.3378	3.5960	22.281
#1	.00611	.00131	.02326	.00114	.00502	-.00098
#2	.00563	.00151	-.05094	.00103	.00528	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6812.7**	**76388.**	**6381.4**
Stddev	1.3	229.	36.2
%RSD	.01937	.30022	.56780
#1	6811.8	76226.	6355.7
#2	6813.6	76551.	6407.0

Sample Name: 280-49163-c-1-aSD@5 Acquired: 11/15/2013 3:00:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.05429**	**-.00165**	**.00595**	**.01638**	**-.00005**	**.00195**	**10.500**	**-.00017**	**.00000**
Stddev	.00044	.00047	.00109	.00120	.00064	.00003	.00030	.013	.00006	.00010
%RSD	41.738	.86451	65.724	20.232	3.8914	51.265	15.664	.12160	38.115	2219.7
#1	-.00137	.05463	-.00088	.00681	.01592	-.00007	.00173	10.509	-.00012	-.00007
#2	-.00075	.05396	-.00242	.00510	.01683	-.00003	.00216	10.491	-.00021	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00074**	**.16012**	**.42993**	**.00282**	**3.5622**	**.02120**	**.00020**	**12.374**	**-.00019**
Stddev	.00021	.00001	.00471	.03772	.00092	.0148	.00000	.00005	.102	.00002
%RSD	370.93	1.9879	2.9440	8.7734	32.733	.41540	.01279	23.034	.82120	8.5870
#1	.00021	-.00073	.15678	.45661	.00347	3.5517	.02120	.00016	12.302	-.00020
#2	-.00009	-.00075	.16345	.40326	.00217	3.5726	.02120	.00023	12.446	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**-.00106**	**4.4984**	**-.00023**	**.00201**	**1.1303**	**2.4189**	**.00073**	**.16271**	**.00354**
Stddev	.00093	.00092	.0049	.00241	.00073	.0246	.0526	.00039	.00034	.00219
%RSD	33.161	86.628	.10868	1048.4	36.486	2.1731	2.1731	53.087	.20980	61.865
#1	.00214	-.00171	4.4950	.00148	.00252	1.1129	2.3817	.00045	.16247	.00509
#2	.00346	-.00041	4.5019	-.00194	.00149	1.1477	2.4560	.00100	.16295	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00003**	**-.04369**	**.00074**	**.00590**	**-.00126**
Stddev	.00006	.00148	.03957	.00036	.00001	.00072
%RSD	7.7133	4357.2	90.564	48.206	.22713	56.809
#1	.00074	.00108	-.01571	.00099	.00589	-.00177
#2	.00083	-.00101	-.07167	.00049	.00591	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6966.6**	**77579.**	**6354.4**
Stddev	20.7	446.	8.9
%RSD	.29736	.57485	.13932
#1	6952.0	77894.	6348.1
#2	6981.3	77264.	6360.7

Sample Name: 280-49163-c-1-b ms Acquired: 11/15/2013 3:02:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05142**	**2.2950**	**1.0416**	**1.0792**	**2.0397**	**.04512**	F **2.1011**	**94.264**	**.09359**	**.46574**
Stddev	.00017	.0025	.0057	.0092	.0032	.00001	.0174	.033	.00031	.00024
%RSD	.33591	.10819	.54422	.85098	.15554	.02912	.82890	.03482	.33378	.05130
#1	.05130	2.2932	1.0456	1.0857	2.0419	.04511	2.1135	94.287	.09381	.46557
#2	.05155	2.2967	1.0376	1.0727	2.0374	.04513	2.0888	94.241	.09337	.46591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20940**	**.24254**	**1.3360**	**49.815**	**.99548**	**66.861**	**.56853**	**1.0337**	**108.79**	**.50796**
Stddev	.00155	.00201	.0076	.039	.00188	.080	.00066	.0025	.10	.00327
%RSD	.74190	.82914	.57264	.07907	.18873	.12038	.11546	.24084	.09323	.64468
#1	.21050	.24112	1.3415	49.787	.99681	66.918	.56900	1.0355	108.86	.51028
#2	.20831	.24396	1.3306	49.843	.99415	66.804	.56807	1.0320	108.71	.50565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.489**	**.43801**	**22.888**	**.50646**	**2.0961**	**16.079**	**34.410**	W **2.0163**	**1.7524**	**.97924**
Stddev	.004	.00086	.030	.00123	.0178	.041	.088	.0089	.0015	.00202
%RSD	.03907	.19662	.13280	.24346	.85016	.25702	.25702	.44130	.08681	.20609
#1	10.486	.43861	22.909	.50733	2.1087	16.050	34.347	2.0226	1.7535	.97781
#2	10.492	.43740	22.866	.50559	2.0835	16.109	34.472	2.0100	1.7513	.98067
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0132**	**1.7862**	**3.1675**	**.46941**	**.48660**	**.46288**
Stddev	.0010	.0076	.0307	.00116	.00150	.00008
%RSD	.09888	.42535	.97051	.24749	.30831	.01748
#1	1.0139	1.7916	3.1893	.46859	.48766	.46294
#2	1.0125	1.7808	3.1458	.47023	.48554	.46282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6734.2**	**75329.**	**6382.4**
Stddev	7.0	81.	9.9
%RSD	.10424	.10703	.15511
#1	6739.1	75272.	6375.4
#2	6729.2	75386.	6389.4

Sample Name: 280-49163-c-1-c msd Acquired: 11/15/2013 3:05:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05239	2.3241	1.0508	1.0903	2.0704	.04581	F 2.1262	95.449	.09508	.47269
Stddev	.00027	.0017	.0053	.0092	.0017	.00006	.0143	.023	.00080	.00149
%RSD	.51029	.07209	.50269	.84301	.08093	.13297	.67094	.02379	.84078	.31600
#1	.05220	2.3253	1.0470	1.0838	2.0716	.04585	2.1162	95.465	.09451	.47163
#2	.05258	2.3229	1.0545	1.0968	2.0692	.04577	2.1363	95.433	.09564	.47374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21235	.24700	1.3583	50.424	1.0079	67.642	.57823	1.0474	111.00	.51502
Stddev	.00203	.00050	.0011	.014	.0001	.210	.00149	.0008	.13	.00486
%RSD	.95816	.20320	.08416	.02687	.01010	.31039	.25855	.07653	.12092	.94324
#1	.21091	.24736	1.3591	50.434	1.0078	67.494	.57717	1.0469	110.91	.51159
#2	.21379	.24665	1.3575	50.414	1.0079	67.790	.57929	1.0480	111.10	.51846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.615	.44428	23.202	.51052	2.1258	16.321	34.927	W 2.0342	1.7799	.99502
Stddev	.007	.00564	.052	.00754	.0198	.054	.115	.0162	.0011	.00441
%RSD	.06466	1.2688	.22599	1.4775	.93282	.32911	.32911	.79652	.06008	.44344
#1	10.610	.44029	23.165	.50519	2.1118	16.359	35.009	2.0227	1.7791	.99190
#2	10.620	.44826	23.239	.51585	2.1398	16.283	34.846	2.0456	1.7806	.99814
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0266	1.8186	3.2621	.47474	.49063	.47053
Stddev	.0019	.0062	.0291	.00310	.00009	.00016
%RSD	.18877	.34110	.89083	.65321	.01844	.03368
#1	1.0252	1.8142	3.2827	.47693	.49057	.47065
#2	1.0280	1.8229	3.2416	.47254	.49070	.47042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6692.4	74793.	6427.0
Stddev	.4	175.	14.0
%RSD	.00631	.23422	.21816
#1	6692.7	74917.	6417.1
#2	6692.1	74669.	6436.9

Sample Name: 280-49163-c-2-a Acquired: 11/15/2013 3:07:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.01971**	**-.00281**	**.02208**	**.06665**	**.00006**	**.00200**	**45.235**	**.00025**	**.00002**
Stddev	.00044	.00028	.00094	.00106	.00010	.00008	.00065	.057	.00014	.00002
%RSD	29.226	1.4209	33.484	4.7998	.14715	143.74	32.301	.12566	55.840	97.534
#1	-.00120	.01991	-.00348	.02283	.06671	.00011	.00245	45.275	.00035	.00001
#2	-.00183	.01951	-.00215	.02133	.06658	.00000	.00154	45.195	.00015	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00071**	**.12133**	**1.5499**	**.00482**	**14.082**	**.06001**	**.00174**	**56.296**	**.00024**
Stddev	.00006	.00029	.00201	.0423	.00021	.034	.00005	.00018	.604	.00026
%RSD	39.964	41.038	1.6528	2.7285	4.2929	.24008	.07594	10.299	1.0724	106.90
#1	.00010	-.00050	.12275	1.5200	.00467	14.106	.06004	.00186	55.869	.00006
#2	.00019	-.00092	.11991	1.5798	.00496	14.058	.05998	.00161	56.723	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00917**	**-.00088**	**19.710**	**.00006**	**.00114**	**5.2386**	**11.211**	**-.00087**	**.67134**	**.00446**
Stddev	.00107	.00173	.011	.00039	.00116	.0077	.016	.00056	.00083	.00150
%RSD	11.680	196.13	.05482	603.35	102.10	.14649	.14649	64.533	.12309	33.637
#1	.00841	.00034	19.703	.00034	.00196	5.2440	11.222	-.00047	.67076	.00340
#2	.00993	-.00210	19.718	-.00021	.00032	5.2332	11.199	-.00126	.67193	.00552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00148**	W **-.07072**	**.00030**	**.00401**	**.00176**
Stddev	.00006	.00006	.01061	.00007	.00011	.00012
%RSD	11.607	4.3228	15.005	23.953	2.6981	7.0582
#1	.00059	.00153	-.06322	.00025	.00409	.00185
#2	.00050	.00144	-.07823	.00035	.00393	.00167
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6882.9**	**76927.**	**6412.5**
Stddev	7.2	52.	71.2
%RSD	.10477	.06712	1.1107
#1	6888.0	76964.	6362.1
#2	6877.8	76891.	6462.8

Sample Name: CCVH-2372891 Acquired: 11/15/2013 3:09:29 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00920**	**47.970**	**-.00112**	**.00296**	**.00066**	**-.00003**	W **1.0766**	**.02271**	**.00079**	**-.00102**	**.00024**	**-.00776**
Stddev	.00051	.130	.00035	.00041	.00024	.00006	.0068	.00205	.00009	.00028	.00003	.00013
%RSD	5.4958	.27192	30.842	13.819	36.646	175.31	.63145	9.0132	11.141	27.511	13.243	1.6449
#1	-.00884	47.878	-.00136	.00325	.00083	.00001	1.0718	.02416	.00073	-.00082	.00022	-.00785
#2	-.00956	48.062	-.00088	.00267	.00049	-.00008	1.0814	.02127	.00085	-.00122	.00027	-.00767
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.543**	**.15527**	**.00069**	**.05471**	**-.00015**	**.00043**	**254.15**	**-.00073**	**.00627**	**-.00238**	**5.0603**	**.00093**
Stddev	.585	.02064	.00050	.00663	.00000	.00041	1.62	.00026	.00060	.00064	.0277	.00044
%RSD	1.1573	13.291	73.379	12.119	.43264	96.748	.63679	35.395	9.6220	26.782	.54745	47.367
#1	50.130	.16986	.00033	.05002	-.00015	.00013	253.00	-.00055	.00670	-.00193	5.0407	.00125
#2	50.957	.14068	.00104	.05940	-.00015	.00072	255.29	-.00091	.00584	-.00284	5.0799	.00062
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00240**	**.00494**	**.01057**	**-.00043**	**.00025**	**5.1222**	**.01504**	**.00237**	F **8.3652**	**.00069**	**.00222**	**-.08273**
Stddev	.00240	.02809	.06011	.00031	.00007	.0004	.00008	.00066	.0251	.00051	.00027	.00025
%RSD	99.998	568.88	568.88	72.795	29.924	.00798	.51201	27.756	.30063	73.926	12.096	.30387
#1	-.00070	.02480	.05307	-.00065	.00030	5.1219	.01499	.00284	8.3829	.00033	.00203	-.08291
#2	-.00410	-.01492	-.03194	-.00021	.00020	5.1225	.01510	.00191	8.3474	.00106	.00241	-.08256
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6868.5**	**75432.**	**6412.1**
Stddev	12.1	250.	26.5
%RSD	.17602	.33199	.41287
#1	6877.1	75254.	6430.8
#2	6860.0	75609.	6393.4

Sample Name: CCV-2372889 Acquired: 11/15/2013 3:11:54 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56091	.54685	1.0710	.54257	.51000	.46702	-.00681	4.6374	.48635	.50631	.54620	.50832	2.6479
Stddev	.00228	.00045	.0023	.00432	.00101	.00143	.00020	.0106	.00139	.00087	.00073	.00091	.0122
%RSD	.40700	.08307	.21207	.79654	.19764	.30622	2.9595	.22869	.28654	.17106	.13369	.17999	.46096
#1	.56252	.54718	1.0694	.53952	.51071	.46803	-.00695	4.6449	.48734	.50570	.54568	.50768	2.6392
#2	.55930	.54653	1.0726	.54563	.50929	.46601	-.00667	4.6299	.48537	.50693	.54671	.50897	2.6565
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000												
Range	10.490%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.637	1.0121	21.110	.50157	.53118	5.3226	F .55254	1.0607	.95866	.00760	1.0291	1.0929	5.1872
Stddev	.207	.0023	.050	.00124	.00178	.0435	.00250	.0014	.00294	.00214	.0030	.0087	.0153
%RSD	.42584	.22845	.23631	.24634	.33531	.81668	.45314	.13654	.30663	28.136	.28898	.79647	.29452
#1	48.783	1.0138	21.145	.50245	.52992	5.3533	.55077	1.0597	.95658	.00609	1.0270	1.0868	5.1980
#2	48.490	1.0105	21.074	.50070	.53244	5.2918	.55431	1.0617	.96074	.00911	1.0312	1.0991	5.1764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							.50000						
Range							10.490%						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.101	1.0508	.49344	.00648	.51470	1.0001	-.02542	.48558	.52716	.49010
Stddev	.033	.0021	.00227	.00073	.00012	.0011	.03058	.00205	.00009	.00113
%RSD	.29452	.20101	.45928	11.337	.02280	.10905	120.28	.42189	.01651	.23073
#1	11.124	1.0493	.49504	.00596	.51478	1.0009	-.00380	.48703	.52722	.48931
#2	11.077	1.0523	.49184	.00700	.51462	.99937	-.04704	.48413	.52710	.49090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6858.0	76191.	6286.5
Stddev	5.3	135.	6.3
%RSD	.07764	.17742	.10029
#1	6854.2	76096.	6282.1
#2	6861.7	76287.	6291.0

Sample Name: CCB Acquired: 11/15/2013 3:14:03 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00144**	**.00010**	**-.00070**	**.00201**	**.00046**	**.00005**	**.00440**	**-.00431**	**-.00009**	**-.00005**	**.00008**
Stddev	.00012	.00040	.00034	.00019	.00035	.00001	.00102	.00129	.00014	.00007	.00015
%RSD	8.0964	421.32	49.482	9.4556	74.927	16.473	23.251	29.832	151.04	136.68	192.79
#1	-.00152	-.00019	-.00094	.00188	.00071	.00005	.00368	-.00522	.00001	.00000	.00019
#2	-.00136	.00038	-.00045	.00215	.00022	.00006	.00512	-.00340	-.00019	-.00010	-.00003
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00120**	**-.00211**	**.18833**	**.00139**	**.00367**	**.00014**	**.00009**	F **.24648**	**-.00027**	**.00085**	**-.00004**
Stddev	.00017	.00015	.00827	.00125	.00325	.00002	.00014	.00588	.00046	.00125	.00098
%RSD	13.704	7.3010	4.3902	90.293	88.536	14.226	155.42	2.3864	170.75	146.67	2768.3
#1	-.00132	-.00200	.18249	.00050	.00597	.00012	.00020	.24232	-.00060	.00174	-.00073
#2	-.00109	-.00222	.19418	.00227	.00137	.00015	-.00001	.25064	.00006	-.00003	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01215**	W **.00622**	**-.00222**	**-.00026**	**-.00056**	**-.00007**	**-.00006**	**.00503**	**.00001**	**.00051**	**-.02656**
Stddev	.00007	.00124	.00114	.01521	.03254	.00057	.00018	.00122	.00017	.00041	.00832
%RSD	.59906	19.973	51.189	5761.7	5761.7	828.96	292.34	24.265	2376.9	80.331	31.316
#1	.01220	.00534	-.00142	.01049	.02245	-.00047	-.00019	.00417	-.00011	.00080	-.02068
#2	.01210	.00710	-.00303	-.01102	-.02358	.00033	.00006	.00590	.00013	.00022	-.03244
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00009**	**.00349**	**-.00136**
Stddev	.00025	.00073	.00289
%RSD	279.55	20.993	212.01
#1	-.00009	.00400	-.00341
#2	.00026	.00297	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6857.7**	**77278.**	**6165.9**
Stddev	7.7	162.	60.3
%RSD	.11230	.21024	.97805
#1	6852.3	77164.	6123.3
#2	6863.2	77393.	6208.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 3:16:23 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**.11539**	**.01473**	**.10843**	**.01050**	**.00101**	**.12076**	**.18611**	**.00479**	**.01032**	**.01097**	**.01385**	**.10330**	**2.9969**
Stddev	.00035	.00451	.00044	.00031	.00031	.00002	.00280	.00221	.00004	.00010	.00017	.00008	.00307	.0526
%RSD	3.6995	3.9084	3.0170	.28976	2.9181	2.4096	2.3204	1.1854	.76036	.93276	1.5399	.59218	2.9700	1.7555
#1	.00910	.11858	.01505	.10865	.01072	.00103	.11878	.18455	.00482	.01025	.01109	.01390	.10547	3.0341
#2	.00959	.11220	.01442	.10820	.01028	.00099	.12274	.18767	.00477	.01039	.01085	.01379	.10113	2.9597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.22155**	**.01024**	**.02086**	**1.2352**	**.04500**	**3.1240**	**.00896**	**.01134**	**.01004**	**.01745**	**.51710**	**1.1066**	**.10901**
Stddev	.00138	.00201	.00003	.00011	.0065	.00004	.0037	.00104	.00491	.00018	.00111	.00502	.0107	.00010
%RSD	12.485	.90513	.28327	.51764	.52534	.09142	.11734	11.636	43.310	1.8238	6.3605	.97009	.97009	.09163
#1	.01206	.22013	.01022	.02078	1.2306	.04503	3.1214	.00969	.01482	.01017	.01824	.52064	1.1142	.10894
#2	.01010	.22297	.01026	.02094	1.2398	.04497	3.1266	.00822	.00787	.00991	.01667	.51355	1.0990	.10908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.01805**	**.01032**	**.01660**	**.07400**	**.00985**	**.02456**	**.01335**
Stddev	.00013	.00047	.00023	.00045	.03779	.00010	.00025	.00071
%RSD	1.3440	2.6245	2.2170	2.7017	51.065	1.0578	1.0047	5.3215
#1	.00989	.01839	.01048	.01691	.04728	.00992	.02473	.01285
#2	.00970	.01772	.01015	.01628	.10072	.00977	.02438	.01385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7124.3**	**79481.**	**6320.0**
Stddev	6.8	873.	4.5
%RSD	.09524	1.0984	.07074
#1	7119.5	78864.	6323.2
#2	7129.1	80099.	6316.8

Sample Name: 280-49163-c-3-a Acquired: 11/15/2013 3:18:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.46398**	**-.00086**	**.01513**	**.07503**	**.00007**	**.00131**	**51.996**	**.00037**	**.00011**
Stddev	.00067	.00043	.00313	.00009	.00116	.00002	.00006	.066	.00015	.00004
%RSD	45.778	.09183	363.11	.56344	1.5455	35.937	4.9017	.12627	41.550	33.566
#1	-.00194	.46428	.00135	.01507	.07585	.00008	.00126	52.042	.00026	.00013
#2	-.00099	.46368	-.00307	.01519	.07421	.00005	.00135	51.949	.00047	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00021**	**.74724**	**2.1669**	**.00385**	**14.402**	**.30741**	**.00060**	**32.563**	**.00080**
Stddev	.00009	.00028	.00642	.0143	.00129	.035	.00012	.00006	1.232	.00010
%RSD	21.363	135.07	.85920	.65855	33.471	.24368	.03741	9.3821	3.7844	12.547
#1	.00051	-.00001	.75178	2.1770	.00294	14.427	.30749	.00056	33.434	.00087
#2	.00038	-.00040	.74270	2.1568	.00477	14.377	.30732	.00064	31.692	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03223**	**-.00006**	**13.720**	**.00085**	**.00064**	**6.4143**	**13.727**	**-.00061**	**.72244**	**.00556**
Stddev	.00139	.00082	.004	.00290	.00237	.0472	.101	.00027	.00340	.00188
%RSD	4.3174	1330.2	.03101	341.83	372.28	.73519	.73519	43.934	.47122	33.745
#1	.03125	.00052	13.717	.00290	-.00104	6.4477	13.798	-.00080	.72485	.00689
#2	.03322	-.00064	13.723	-.00120	.00231	6.3810	13.655	-.00042	.72003	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01268**	**.00078**	W **-.07885**	**.00118**	**.00556**	**-.00040**
Stddev	.00121	.00092	.06096	.00053	.00063	.00011
%RSD	9.5305	118.57	77.321	45.157	11.392	26.936
#1	.01182	.00143	-.12195	.00080	.00601	-.00047
#2	.01353	.00013	-.03574	.00156	.00512	-.00032
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6867.5**	**76697.**	**6443.9**
Stddev	10.2	168.	44.3
%RSD	.14892	.21944	.68701
#1	6860.3	76578.	6475.2
#2	6874.7	76816.	6412.6

Sample Name: 280-49163-c-4-b Acquired: 11/15/2013 3:21:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**.23528**	**-.00044**	**.00989**	**.05010**	**.00000**	**.00175**	**27.993**	**.00009**	**.00013**
Stddev	.00008	.00162	.00261	.00078	.00056	.00002	.00066	.101	.00000	.00015
%RSD	5.0709	.68837	594.49	7.8706	1.1125	499.67	37.776	.35968	.29826	117.20
#1	-.00168	.23642	-.00228	.00934	.04971	.00002	.00222	28.064	.00009	.00002
#2	-.00157	.23413	.00140	.01044	.05050	-.00001	.00128	27.922	.00009	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00033**	**.63689**	**1.1338**	**.00206**	**6.6146**	**.05378**	**.00052**	**12.190**	**.00040**
Stddev	.00003	.00043	.00853	.0327	.00218	.0100	.00018	.00011	.100	.00011
%RSD	13.394	131.07	1.3391	2.8843	105.61	.15100	.33289	20.604	.82227	28.161
#1	.00027	-.00002	.63086	1.1106	.00360	6.6216	.05365	.00044	12.261	.00032
#2	.00022	-.00063	.64292	1.1569	.00052	6.6075	.05391	.00059	12.119	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02090**	**-.00031**	**9.3054**	**.00083**	**-.00026**	**5.6568**	**12.106**	**-.00031**	**.30141**	**.00377**
Stddev	.00081	.00118	.0380	.00109	.00048	.0450	.096	.00023	.00092	.00035
%RSD	3.8606	379.15	.40844	130.48	183.15	.79513	.79513	73.544	.30448	9.3744
#1	.02033	.00052	9.2785	.00160	-.00060	5.6250	12.038	-.00015	.30206	.00352
#2	.02147	-.00115	9.3322	.00006	.00008	5.6886	12.174	-.00047	.30076	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00623**	**.00048**	**-.01741**	**.00083**	**.00562**	**.00118**
Stddev	.00069	.00022	.01969	.00058	.00017	.00001
%RSD	11.081	46.419	113.15	70.091	3.0184	.91704
#1	.00672	.00063	-.03133	.00042	.00574	.00118
#2	.00574	.00032	-.00348	.00124	.00550	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.4**	**78140.**	**6535.1**
Stddev	18.8	207.	53.4
%RSD	.26869	.26527	.81776
#1	7007.6	77994.	6497.3
#2	6981.1	78287.	6572.9

Sample Name: 280-49163-c-5-a Acquired: 11/15/2013 3:23:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.04040**	**-.00065**	**.00878**	**.04637**	**.00007**	**.00291**	**26.066**	**-.00001**	**.00000**
Stddev	.00027	.00028	.00078	.00009	.00080	.00001	.00063	.099	.00031	.0000
%RSD	22.743	.68555	119.38	1.0501	1.7215	8.6332	21.516	.37915	3921.1	1730.9
#1	-.00137	.04021	-.00120	.00872	.04580	.00007	.00336	25.996	-.00023	.00002
#2	-.00099	.04060	-.00010	.00885	.04693	.00008	.00247	26.136	.00021	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00050**	**.41178**	**1.0549**	**.00369**	**6.0147**	**.02525**	**.00064**	W **10.621**	**11.603**
Stddev	.00012	.00021	.00342	.0214	.00126	.0309	.00015	.00019	.063	.073
%RSD	775.92	42.713	.83104	2.0292	34.134	.51345	.60834	29.550	.59139	.63226
#1	.00007	-.00035	.40936	1.0700	.00458	5.9929	.02514	.00077	10.577	11.551
#2	-.00010	-.00065	.41420	1.0397	.00280	6.0366	.02536	.00051	10.665	11.655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.01410**	**-.00024**	**8.7070**	**.00053**	**.00131**	**5.4620**	**11.689**	**-.00078**	**.26901**
Stddev	.00025	.00070	.00064	.0440	.00230	.00182	.0223	.048	.00092	.00134
%RSD	49.807	4.9933	262.20	.50483	432.86	138.42	.40894	.40894	118.83	.49955
#1	.00033	.01460	-.00070	8.6759	-.00110	.00003	5.4463	11.655	-.00143	.26806
#2	.00069	.01360	.00021	8.7381	.00216	.00260	5.4778	11.723	-.00012	.26996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00469**	**.00124**	**.00100**	W **-.05324**	**.00067**	**.00500**	**.00077**
Stddev	.00086	.00041	.00010	.00876	.00031	.00011	.00040
%RSD	18.281	33.054	9.6993	16.457	46.141	2.2956	52.114
#1	.00530	.00095	.00093	-.05943	.00089	.00492	.00105
#2	.00408	.00153	.00107	-.04704	.00045	.00508	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6996.8**	**78564.**	**6518.8**
Stddev	18.2	325.	14.7
%RSD	.26077	.41352	.22496
#1	7009.7	78794.	6508.4
#2	6983.9	78334.	6529.1

Sample Name: 280-49163-c-6-b Acquired: 11/15/2013 3:25:49 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.10715**	**-.00104**	**.00620**	**.02693**	**.00011**	**.00124**	**14.574**	**-.00023**	**-.00004**
Stddev	.00017	.00079	.00183	.00063	.00021	.00002	.00526	.005	.00007	.00008
%RSD	13.473	.73595	175.91	10.088	.79833	20.522	425.44	.03281	29.261	218.33
#1	-.00117	.10771	.00025	.00665	.02708	.00010	-.00248	14.570	-.00018	.00002
#2	-.00141	.10660	-.00234	.00576	.02678	.00013	.00496	14.577	-.00028	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00012**	**.12057**	**.75504**	**.00452**	**1.9630**	**.02070**	**.00216**	**5.4124**	**.00007**
Stddev	.00005	.00015	.00135	.01746	.00159	.0042	.00000	.00009	.0268	.00016
%RSD	639.28	125.32	1.1233	2.3128	35.114	.21255	.01776	4.0475	.49573	241.29
#1	.00005	.00022	.12153	.76738	.00565	1.9600	.02070	.00209	5.4314	-.00005
#2	-.00003	.00001	.11961	.74269	.00340	1.9659	.02070	.00222	5.3935	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01875**	**-.00045**	**2.1746**	**.00019**	**.00163**	**5.3529**	**11.455**	**-.00148**	**.13230**	**.00518**
Stddev	.00038	.00081	.0008	.00059	.00374	.0579	.124	.00014	.00017	.00154
%RSD	2.0214	178.48	.03772	304.15	230.22	1.0818	1.0818	9.2479	.13207	29.777
#1	.01901	-.00103	2.1740	-.00022	-.00102	5.3938	11.543	-.00138	.13243	.00627
#2	.01848	.00012	2.1752	.00061	.00427	5.3119	11.368	-.00157	.13218	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**-.00001**	W **-.08400**	**.00048**	**.00431**	**-.00121**
Stddev	.00029	.00056	.00278	.00042	.00032	.00069
%RSD	9.4739	8784.8	3.3081	86.472	7.5105	57.042
#1	.00289	.00039	-.08597	.00019	.00454	-.00170
#2	.00331	-.00040	-.08204	.00078	.00408	-.00072
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7081.6**	**79005.**	**6516.4**
Stddev	3.3	78.	17.0
%RSD	.04600	.09818	.26066
#1	7083.9	78950.	6528.4
#2	7079.3	79060.	6504.4

Sample Name: 280-49163-c-7-b Acquired: 11/15/2013 3:28:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.05909**	**-.00133**	**.00761**	**.04473**	**.00038**	**.00062**	**23.034**	**-.00007**	**.00001**
Stddev	.00037	.00043	.00041	.00002	.00192	.00039	.00228	.049	.00011	.00015
%RSD	24.692	.73576	30.860	.20618	4.2953	102.80	367.89	.21327	162.14	1466.1
#1	-.00125	.05940	-.00104	.00760	.04337	.00010	.00223	23.069	-.00014	.00012
#2	-.00178	.05878	-.00162	.00762	.04609	.00066	-.00099	23.000	.00001	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00059**	**.34042**	**1.0224**	**.00408**	**5.2828**	**.01944**	**.00073**	**9.1805**	**.00032**
Stddev	.00002	.00006	.04904	.0892	.00001	.0210	.00013	.00010	1.0650	.00036
%RSD	15.643	9.9686	14.405	8.7219	.25131	.39743	.64917	13.734	11.600	110.41
#1	.00013	-.00055	.30574	.95939	.00407	5.2976	.01935	.00066	8.4275	.00007
#2	.00016	-.00063	.37509	1.0855	.00409	5.2679	.01953	.00080	9.9336	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01742**	**.00040**	**6.5259**	**-.00053**	**-.00083**	**6.0641**	**12.977**	**-.00032**	**.23519**	**.00432**
Stddev	.00414	.00001	.0875	.00247	.00313	.0433	.093	.00013	.00106	.00062
%RSD	23.781	1.3234	1.3407	466.59	375.04	.71474	.71474	41.431	.45081	14.347
#1	.02035	.00040	6.5878	.00122	.00138	6.0948	13.043	-.00041	.23444	.00388
#2	.01449	.00039	6.4640	-.00228	-.00305	6.0335	12.912	-.00023	.23594	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00067**	**-.04528**	**-.00007**	**.00505**	**-.00008**
Stddev	.00008	.00120	.01018	.00048	.00024	.00118
%RSD	5.3024	179.35	22.488	667.64	4.7988	1512.4
#1	.00147	.00152	-.03808	-.00041	.00487	-.00091
#2	.00159	-.00018	-.05248	.00027	.00522	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.0**	**78554.**	**6599.3**
Stddev	20.2	303.	19.9
%RSD	.28585	.38585	.30211
#1	7038.7	78339.	6585.2
#2	7067.2	78768.	6613.4

Sample Name: 280-49163-c-8-b Acquired: 11/15/2013 3:30:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**.32989**	**-.00188**	**.01242**	**.06553**	**.00002**	**.00158**	**36.890**	**.00009**	**.00042**
Stddev	.00027	.00106	.00006	.00036	.00059	.00004	.00065	.137	.00008	.00021
%RSD	19.473	.32001	3.2260	2.8997	.90576	172.46	40.949	.37196	85.461	50.495
#1	-.00122	.32914	-.00192	.01217	.06511	-.00001	.00204	36.793	.00014	.00057
#2	-.00160	.33063	-.00183	.01268	.06595	.00005	.00112	36.987	.00004	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00012**	**1.4017**	**1.6417**	**.00160**	**9.4875**	**.25139**	**.00057**	**18.741**	**.00090**
Stddev	.00021	.00037	.0001	.0210	.00040	.0122	.00082	.00005	.413	.00022
%RSD	62.462	307.53	.00608	1.2797	24.654	.12828	.32706	9.1889	2.2026	23.915
#1	.00049	-.00038	1.4016	1.6269	.00132	9.4789	.25197	.00061	18.450	.00075
#2	.00019	.00014	1.4017	1.6566	.00188	9.4961	.25081	.00054	19.033	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05843**	**-.00056**	**14.046**	**-.00044**	**-.00093**	**6.2275**	**13.327**	**-.00054**	**.42501**	**.00178**
Stddev	.00003	.00057	.025	.00301	.00300	.0408	.087	.00056	.00165	.00071
%RSD	.05408	100.86	.17765	690.96	323.10	.65465	.65465	104.89	.38833	40.029
#1	.05840	-.00016	14.029	-.00256	.00119	6.1987	13.265	-.00093	.42384	.00228
#2	.05845	-.00097	14.064	.00169	-.00305	6.2563	13.389	-.00014	.42618	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.00094**	**.01561**	**.00101**	**.00632**	**.00013**
Stddev	.00013	.00098	.02370	.00035	.00063	.00024
%RSD	1.4569	103.59	151.78	34.992	10.029	182.67
#1	.00898	.00025	-.00114	.00126	.00587	.00030
#2	.00916	.00164	.03237	.00076	.00677	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.0**	**77987.**	**6431.3**
Stddev	9.9	567.	37.2
%RSD	.14220	.72666	.57813
#1	6943.0	78387.	6457.6
#2	6957.0	77586.	6405.0

Sample Name: 280-49163-c-9-b Acquired: 11/15/2013 3:32:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**.12889**	**-.00111**	**.01978**	**.07464**	**.00006**	**.00003**	**86.125**	**.00019**	**-.00022**
Stddev	.00043	.00120	.00004	.00011	.00042	.00001	.00068	.162	.00004	.00020
%RSD	27.737	.93392	3.4932	.57160	.55902	11.152	2180.2	.18785	22.665	90.034
#1	-.00125	.12974	-.00114	.01986	.07493	.00006	-.00045	86.239	.00016	-.00036
#2	-.00186	.12804	-.00109	.01970	.07434	.00005	.00051	86.010	.00022	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00001**	**.12827**	**1.8488**	**.00496**	**23.604**	**.03120**	**.00006**	**56.656**	**-.00012**
Stddev	.00013	.00024	.00064	.0163	.00059	.056	.00009	.00006	.208	.00019
%RSD	306.28	1951.5	.49867	.88195	11.849	.23541	.27792	99.707	.36682	154.41
#1	.00013	.00018	.12782	1.8603	.00537	23.643	.03114	.00002	56.509	-.00025
#2	-.00005	-.00016	.12872	1.8372	.00454	23.565	.03126	.00010	56.803	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02968**	**-.00084**	**33.850**	**.00157**	**.00312**	**5.2612**	**11.259**	**-.00056**	**1.5140**	**.00318**
Stddev	.00089	.00077	.052	.00038	.00002	.0287	.061	.00033	.0001	.00067
%RSD	3.0086	92.597	.15245	24.529	.56675	.54551	.54551	58.253	.00892	21.183
#1	.03031	-.00029	33.813	.00184	.00313	5.2409	11.215	-.00079	1.5141	.00270
#2	.02905	-.00138	33.886	.00129	.00310	5.2815	11.302	-.00033	1.5139	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00007**	**-.03579**	**.00091**	**.00509**	**-.00077**
Stddev	.00004	.00103	.01348	.00004	.00022	.00133
%RSD	5.2401	1543.9	37.668	4.1553	4.3135	171.81
#1	.00070	-.00066	-.02625	.00088	.00524	-.00172
#2	.00076	.00079	-.04532	.00093	.00493	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6796.4**	**76701.**	**6375.7**
Stddev	3.4	365.	40.3
%RSD	.04987	.47541	.63158
#1	6794.0	76443.	6404.2
#2	6798.8	76959.	6347.2

Sample Name: 280-49167-c-1-a Acquired: 11/15/2013 3:35:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**.01013**	**-.00265**	**.02444**	**.47540**	**.00000**	**-.00060**	**2.9614**	**-.00016**	**-.00047**
Stddev	.00030	.00041	.00033	.00077	.00006	.00001	.00120	.0182	.00004	.00009
%RSD	21.392	4.0766	12.430	3.1449	.01192	649.28	197.65	.61382	25.325	18.889
#1	-.00118	.01042	-.00242	.02499	.47544	.00000	-.00145	2.9742	-.00019	-.00053
#2	-.00160	.00984	-.00289	.02390	.47536	.00000	.00024	2.9485	-.00013	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00108**	**1.8546**	**2.2207**	**.02843**	**.81143**	**.02779**	**.00115**	**317.43**	**.00141**
Stddev	.00008	.00030	.0035	.0510	.00038	.00111	.00003	.00016	1.00	.00044
%RSD	7.3390	28.224	.18742	2.2945	1.3266	.13658	.10042	14.174	.31414	31.454
#1	.00116	.00086	1.8571	2.1846	.02816	.81064	.02777	.00103	318.14	.00110
#2	.00105	.00129	1.8522	2.2567	.02870	.81221	.02781	.00126	316.73	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01735**	**-.00020**	**.07047**	**-.00029**	**.00290**	**7.5108**	**16.073**	**-.00029**	**.26552**	**.00165**
Stddev	.00089	.00092	.00334	.00036	.00568	.0975	.209	.00041	.00022	.00003
%RSD	5.1396	455.69	4.7378	122.69	195.78	1.2987	1.2987	141.77	.08449	1.8560
#1	.01798	-.00086	.07283	-.00004	-.00112	7.5798	16.221	.00000	.26536	.00163
#2	.01672	.00045	.06811	-.00055	.00692	7.4418	15.925	-.00058	.26568	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00120**	**-.00352**	**-.00013**	**.00546**	**-.00083**
Stddev	.00003	.00092	.00405	.00040	.00026	.00000
%RSD	68.518	76.703	115.01	306.60	4.8003	.25006
#1	.00002	.00185	-.00638	.00015	.00565	-.00083
#2	.00006	.00055	-.00066	-.00042	.00528	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6707.3**	**74783.**	**6394.8**
Stddev	14.2	354.	32.7
%RSD	.21126	.47279	.51069
#1	6717.3	75033.	6417.9
#2	6697.2	74533.	6371.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 3:37:40 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00907**	**48.204**	**-.00186**	**.00097**	**.00090**	**-.00002**	W **1.0825**	**.01572**	**.00070**	**-.00113**	**.00020**	**-.00765**
Stddev	.00011	.369	.00048	.00030	.00028	.00000	.0024	.00395	.00007	.00003	.00007	.00028
%RSD	1.2484	.76542	25.517	30.343	31.141	3.6123	.21829	25.098	9.9867	2.8661	34.435	3.6524
#1	-.00899	47.943	-.00153	.00076	.00070	-.00002	1.0809	.01851	.00065	-.00111	.00015	-.00745
#2	-.00915	48.465	-.00220	.00118	.00110	-.00003	1.0842	.01293	.00075	-.00116	.00025	-.00785
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.798**	**.11501**	**.00298**	**.05088**	**-.00012**	**.00040**	**254.71**	**-.00088**	**.00303**	**-.00154**	**5.0939**	**.00250**
Stddev	.391	.00679	.00000	.00074	.00009	.00009	3.94	.00010	.00078	.00078	.0083	.00289
%RSD	.77022	5.9067	.10504	1.4483	70.248	22.038	1.5456	10.899	25.918	50.924	.16354	115.89
#1	50.522	.11982	.00297	.05140	-.00018	.00034	251.93	-.00095	.00247	-.00098	5.0880	.00045
#2	51.075	.11021	.00298	.05035	-.00006	.00047	257.50	-.00081	.00358	-.00209	5.0998	.00454
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00328**	**.00972**	**.02081**	**-.00046**	**.00010**	**5.2001**	**.01502**	**.00243**	F **8.4939**	**.00033**	**.00226**	**-.08505**
Stddev	.00257	.00505	.01080	.00049	.00004	.0005	.00026	.00026	.0550	.00023	.00000	.00004
%RSD	78.419	51.927	51.927	105.10	40.093	.00947	1.7549	10.813	.64793	67.994	.03236	.04337
#1	-.00510	.01329	.02845	-.00081	.00007	5.1998	.01483	.00225	8.5328	.00049	.00226	-.08507
#2	-.00146	.00615	.01317	-.00012	.00013	5.2005	.01520	.00262	8.4550	.00017	.00225	-.08502
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6795.5**	**74883.**	**6231.1**
Stddev	13.1	305.	82.0
%RSD	.19341	.40757	1.3161
#1	6804.8	74668.	6289.1
#2	6786.2	75099.	6173.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 3:40:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.55688**	F **.55511**	**1.0648**	**.53649**	**.51362**	**.47081**	**-.01005**	**4.6829**	**.48748**	**.50895**	**.54619**	**.50828**
Stddev	.00276	.00260	.0085	.00142	.00321	.00092	.00056	.0181	.00141	.00010	.00019	.00420
%RSD	.49544	.46767	.79529	.26533	.62526	.19492	5.5462	.38682	.29020	.01890	.03438	.82577
#1	.55493	.55328	1.0588	.53548	.51135	.47016	-.00966	4.6701	.48648	.50901	.54632	.50531
#2	.55883	.55695	1.0708	.53750	.51589	.47146	-.01045	4.6957	.48848	.50888	.54606	.51125
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6527**	**49.131**	**1.0207**	**21.148**	**.50444**	**.53551**	**5.4054**	W **.55027**	**1.0658**	**.97259**	**.00683**	**1.0369**
Stddev	.0043	.176	.0027	.070	.00063	.00071	.0183	.00110	.0028	.00078	.00054	.0026
%RSD	.16152	.35829	.26945	.33278	.12424	.13343	.33833	.20024	.26266	.08029	7.9387	.24941
#1	2.6497	49.007	1.0188	21.098	.50400	.53501	5.3924	.54949	1.0638	.97204	.00645	1.0351
#2	2.6558	49.256	1.0227	21.197	.50488	.53602	5.4183	.55105	1.0678	.97314	.00722	1.0387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.000%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0973**	**5.2001**	**11.128**	**1.0588**	**.49681**	**.00615**	**.51568**	**1.0116**	**-.06170**	**.48803**	**.53088**	**.49482**
Stddev	.0038	.0294	.063	.0022	.00136	.00130	.00103	.0007	.00182	.00018	.00023	.00007
%RSD	.35036	.56579	.56579	.20905	.27327	21.170	.19904	.06720	2.9442	.03617	.04320	.01429
#1	1.0945	5.2209	11.173	1.0604	.49585	.00707	.51495	1.0111	-.06042	.48815	.53104	.49477
#2	1.1000	5.1793	11.084	1.0573	.49777	.00523	.51641	1.0120	-.06299	.48790	.53071	.49487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6897.6**	**76677.**	**6256.9**
Stddev	18.6	69.	2.8
%RSD	.26994	.08984	.04550
#1	6884.4	76725.	6254.9
#2	6910.8	76628.	6258.9

Sample Name: CCB Acquired: 11/15/2013 3:42:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00149**	**.00250**	**-.00167**	**.00098**	**.00035**	**.00013**	**.00148**	**-.00248**	**-.00015**	**-.00014**	**.00006**
Stddev	.00061	.00061	.00018	.00018	.00006	.00006	.00084	.00047	.00019	.00017	.00010
%RSD	40.866	24.188	10.748	18.432	18.000	46.542	57.105	18.778	128.66	119.87	169.24
#1	-.00106	.00208	-.00180	.00085	.00031	.00017	.00207	-.00215	-.00001	-.00002	.00013
#2	-.00192	.00293	-.00154	.00111	.00040	.00009	.00088	-.00281	-.00029	-.00026	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**.00204**	**.14349**	**.00062**	**.00357**	**.00008**	**.00015**	F **.25277**	**-.00021**	**.00105**	**.00214**
Stddev	.00048	.00052	.01077	.00208	.00026	.00002	.00012	.01946	.00009	.00007	.00061
%RSD	37.687	25.679	7.5077	337.14	7.3672	24.840	82.183	7.7003	42.676	6.6089	28.675
#1	-.00161	.00241	.15111	.00208	.00375	.00007	.00023	.26653	-.00027	.00100	.00171
#2	-.00093	.00167	.13587	-.00085	.00338	.00009	.00006	.23901	-.00014	.00110	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	W **.00536**	**.00168**	**-.00326**	**-.00697**	**-.00020**	**-.00002**	**.00448**	**.00012**	**.00059**	**-.03054**
Stddev	.00265	.00027	.00172	.02412	.05162	.00025	.00010	.00118	.00030	.00053	.04732
%RSD	43.762	5.1325	102.53	741.00	741.00	126.17	438.98	26.421	246.02	90.537	154.96
#1	.00418	.00516	.00046	.01380	.02953	-.00037	-.00009	.00531	.00033	.00096	-.06400
#2	.00792	.00555	.00290	-.02031	-.04347	-.00002	.00005	.00364	-.00009	.00021	.00292
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00007**	**.00310**	**.00128**
Stddev	.00051	.00019	.00020
%RSD	754.91	6.1506	15.424
#1	.00043	.00296	.00142
#2	-.00029	.00323	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6877.9**	**77234.**	**6217.5**
Stddev	6.3	5.	34.4
%RSD	.09152	.00634	.55378
#1	6882.4	77231.	6193.2
#2	6873.5	77238.	6241.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 3:44:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**.11327**	**.01626**	**.10635**	**.01055**	**.00098**	**.11946**	**.19375**	**.00480**	**.01048**	**.01088**	**.01375**	**.10965**
Stddev	.00004	.00000	.00283	.00028	.00028	.00000	.00493	.00166	.00008	.00031	.00008	.00024	.00210
%RSD	.45962	.00175	17.389	.26430	2.6835	.23336	4.1238	.85700	1.6716	2.9189	.72627	1.7706	1.9190
#1	.00980	.11327	.01826	.10615	.01075	.00098	.11597	.19492	.00485	.01070	.01094	.01358	.11114
#2	.00973	.11327	.01426	.10655	.01035	.00098	.12294	.19257	.00474	.01026	.01083	.01393	.10816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0766**	**.01038**	**.22251**	**.01020**	**.02064**	**1.2498**	**.04495**	**3.1090**	**.00913**	**.02339**	**.01045**	**.01439**	**.51294**
Stddev	.0221	.00133	.00076	.00002	.00007	.0164	.00032	.0091	.00085	.01794	.00315	.00021	.03470
%RSD	.71746	12.797	.34209	.17299	.31639	1.3091	.71406	.29411	9.3451	76.713	30.165	1.4731	6.7648
#1	3.0610	.00944	.22305	.01019	.02069	1.2614	.04472	3.1025	.00852	.03608	.00822	.01454	.48841
#2	3.0922	.01131	.22197	.01021	.02059	1.2383	.04518	3.1154	.00973	.01070	.01268	.01424	.53748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0977**	**.10787**	**.00991**	**.01843**	**.01025**	**.01691**	F **.09005**	**.00996**	**.02533**	**.01337**
Stddev	.0743	.00020	.00000	.00071	.00010	.00007	.02950	.00018	.00048	.00069
%RSD	6.7648	.18567	.02672	3.8467	.98468	.42242	32.759	1.7881	1.9119	5.1973
#1	1.0452	.10801	.00991	.01893	.01018	.01696	.06919	.01008	.02499	.01386
#2	1.1502	.10773	.00991	.01793	.01032	.01686	.11091	.00983	.02568	.01288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7087.4**	**79032.**	**6292.2**
Stddev	2.3	74.	18.2
%RSD	.03258	.09302	.28893
#1	7089.0	79084.	6279.3
#2	7085.7	78980.	6305.0

Sample Name: mb 280-200646/1-a Acquired: 11/15/2013 3:46:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.00713**	**-.00134**	**.00062**	**.00050**	**.00005**	**.00240**	**.02398**	**-.00024**	**-.00015**
Stddev	.00011	.00031	.00237	.00010	.00007	.00009	.00108	.00090	.00015	.00013
%RSD	8.2954	4.2914	177.55	16.043	13.317	172.98	45.017	3.7556	63.093	90.788
#1	-.00137	.00735	.00034	.00069	.00055	-.00001	.00316	.02334	-.00035	-.00024
#2	-.00122	.00692	-.00302	.00055	.00046	.00012	.00163	.02462	-.00014	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00018**	**.01364**	**.13196**	**.00032**	**.00572**	**.00029**	**-.00022**	**.31505**	**-.00002**
Stddev	.00001	.00013	.00123	.01041	.00003	.00196	.00002	.00008	.00221	.00002
%RSD	8.8695	68.966	9.0392	7.8899	8.1974	34.315	6.4254	35.703	.69995	123.49
#1	.00013	-.00009	.01277	.13932	.00030	.00433	.00027	-.00017	.31349	-.00003
#2	.00011	-.00027	.01451	.12460	.00033	.00710	.00030	-.00028	.31661	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00556**	**-.00045**	**.02551**	**.00151**	**.00020**	**.00734**	**.01571**	**.01113**	**-.00005**	**.00380**
Stddev	.00037	.00007	.00097	.00114	.00234	.00823	.01761	.00052	.00012	.00065
%RSD	6.6547	16.156	3.8080	75.365	1188.8	112.10	112.10	4.6785	228.05	17.012
#1	.00582	-.00050	.02619	.00231	.00185	.01316	.02817	.01150	.00003	.00425
#2	.00530	-.00039	.02482	.00070	-.00146	.00152	.00326	.01076	-.00013	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00006**	**-.04281**	**.00012**	**.00496**	**-.00012**
Stddev	.00021	.00026	.00342	.00001	.00069	.00121
%RSD	392.29	454.76	7.9906	6.0069	13.992	973.77
#1	-.00020	-.00024	-.04523	.00012	.00545	.00073
#2	.00009	.00012	-.04040	.00013	.00447	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.4**	**78690.**	**6413.8**
Stddev	3.8	222.	30.4
%RSD	.05351	.28180	.47420
#1	7007.8	78534.	6435.3
#2	7013.1	78847.	6392.3

Sample Name: lcs 280-200646/2-a Acquired: 11/15/2013 3:49:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05094**	**2.0304**	**1.0406**	**1.0358**	**2.0030**	**.04591**	**2.1271**	F **44.077**	**.09509**	**.48487**
Stddev	.00011	.0068	.0074	.0068	.0109	.00019	.0158	.199	.00108	.00037
%RSD	.21100	.33273	.70795	.65947	.54159	.41831	.74462	.45233	1.1368	.07662
#1	.05086	2.0352	1.0354	1.0310	1.9953	.04578	2.1159	43.936	.09432	.48513
#2	.05102	2.0256	1.0459	1.0407	2.0107	.04605	2.1383	44.218	.09585	.48461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21526**	**.24696**	**1.0246**	**48.446**	**1.0054**	**50.638**	**.48355**	**1.0358**	**50.681**	**.52614**
Stddev	.00151	.00308	.0210	.307	.0077	.194	.00136	.0012	.066	.00373
%RSD	.70118	1.2490	2.0444	.63432	.76457	.38385	.28093	.11597	.12933	.70886
#1	.21419	.24914	1.0098	48.229	1.0000	50.776	.48451	1.0350	50.634	.52350
#2	.21632	.24478	1.0394	48.664	1.0109	50.501	.48259	1.0367	50.727	.52878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.484**	**.45727**	**.01781**	**.49326**	**2.1012**	F **1.8070**	**3.8670**	**2.0284**	**.96895**	**.99545**
Stddev	.011	.00390	.00095	.00164	.0089	.0349	.0748	.0065	.00451	.00037
%RSD	.10209	.85309	5.3173	.33318	.42208	1.9334	1.9334	.32216	.46511	.03710
#1	10.477	.45451	.01714	.49210	2.0950	1.7823	3.8142	2.0238	.96577	.99572
#2	10.492	.46003	.01848	.49442	2.1075	1.8317	3.9199	2.0330	.97214	.99519
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						11.000				
Low Limit						9.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0098**	**1.8814**	F **3.2643**	**.47791**	**.49974**	**.45580**
Stddev	.0054	.0094	.0153	.00108	.00188	.00362
%RSD	.53203	.49982	.46813	.22584	.37549	.79409
#1	1.0136	1.8748	3.2535	.47867	.50106	.45324
#2	1.0060	1.8881	3.2751	.47714	.49841	.45836
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6684.8**	**75282.**	**6263.0**
Stddev	11.7	167.	24.5
%RSD	.17569	.22235	.39076
#1	6676.5	75164.	6280.3
#2	6693.1	75400.	6245.7

Sample Name: 280-49082-a-1-a Acquired: 11/15/2013 3:51:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**172.88**	**.07046**	**.21179**	**.46777**	**.01408**	**-.04613**	**72.517**	**.00260**	**.10664**
Stddev	.00014	1.16	.00095	.00018	.00152	.00002	.00158	.283	.00021	.00024
%RSD	11.156	.67019	1.3485	.08682	.32516	.10949	3.4254	.39040	8.2322	.22811
#1	-.00114	173.70	.07113	.21192	.46885	.01409	-.04501	72.717	.00245	.10681
#2	-.00133	172.06	.06979	.21166	.46670	.01407	-.04725	72.317	.00275	.10647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35560**	**.21752**	**317.41**	**35.113**	**.23291**	**87.631**	**3.3780**	**.00243**	**4.7295**	**.35402**
Stddev	.00033	.00068	.35	.116	.00181	.040	.0063	.00027	.0190	.00210
%RSD	.09220	.31433	.10985	.33056	.77750	.04548	.18505	11.148	.40206	.59223
#1	.35583	.21704	317.16	35.196	.23419	87.602	3.3824	.00224	4.7429	.35550
#2	.35536	.21801	317.66	35.031	.23163	87.659	3.3736	.00262	4.7160	.35254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6601**	**.06478**	**.31704**	**.00254**	**.00116**	**3.1776**	**6.8000**	**.01347**	**.72135**	**.09569**
Stddev	.0089	.00124	.00033	.00022	.00094	.0330	.0707	.00100	.00220	.00069
%RSD	.33587	1.9075	.10548	8.6780	81.319	1.0392	1.0392	7.4416	.30431	.72028
#1	2.6664	.06566	.31681	.00239	.00182	3.2009	6.8500	.01276	.72290	.09617
#2	2.6538	.06391	.31728	.00270	.00049	3.1542	6.7500	.01418	.71979	.09520
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84846**	**-.00744**	F **-.39803**	**.38131**	**.36101**	**.05430**
Stddev	.00106	.00123	.01739	.00059	.00004	.00083
%RSD	.12443	16.509	4.3701	.15475	.01047	1.5248
#1	.84771	-.00831	-.38574	.38173	.36099	.05372
#2	.84921	-.00657	-.41033	.38089	.36104	.05489
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7354.2**	**81185.**	**6916.6**
Stddev	4.7	392.	15.1
%RSD	.06385	.48301	.21887
#1	7357.5	80908.	6905.9
#2	7350.9	81463.	6927.3

Sample Name: 280-49082-a-1-aSD@5 Acquired: 11/15/2013 3:53:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**37.148**	**.01272**	**.04799**	**.10107**	**.00300**	**-.00662**	**15.796**	**.00050**	**.02415**
Stddev	.00051	.043	.00253	.00063	.00018	.00002	.00010	.007	.00005	.00018
%RSD	39.067	.11536	19.924	1.3229	.17661	.83005	1.5742	.04450	9.6980	.73640
#1	-.00094	37.178	.01093	.04844	.10120	.00299	-.00655	15.791	.00054	.02402
#2	-.00167	37.118	.01451	.04754	.10095	.00302	-.00670	15.801	.00047	.02427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07866**	**.04503**	**70.501**	**7.4829**	**.04892**	**19.419**	**.75917**	**.00043**	**1.1099**	**.07982**
Stddev	.00015	.00023	.635	.0408	.00094	.025	.00109	.00052	.0140	.00006
%RSD	.19104	.50525	.90124	.54494	1.9185	.12901	.14298	121.95	1.2644	.07165
#1	.07877	.04519	70.951	7.4541	.04826	19.436	.75994	.00006	1.1198	.07986
#2	.07856	.04487	70.052	7.5117	.04959	19.401	.75841	.00080	1.1000	.07978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58056**	**.01560**	**.07900**	**.00444**	**.00129**	**.67205**	**1.4382**	**.00520**	**.15549**	**.02421**
Stddev	.00134	.00080	.00234	.00194	.00144	.01702	.0364	.00041	.00018	.00011
%RSD	.23110	5.0982	2.9613	43.830	111.50	2.5328	2.5328	7.8719	.11859	.45388
#1	.57962	.01616	.07735	.00581	.00231	.68408	1.4639	.00549	.15562	.02428
#2	.58151	.01503	.08066	.00306	.00027	.66001	1.4124	.00491	.15536	.02413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18439**	**-.00138**	W **-.07030**	**.08328**	**.09115**	**.00977**
Stddev	.00057	.00051	.07284	.00102	.00004	.00066
%RSD	.30727	36.998	103.62	1.2240	.04545	6.7391
#1	.18479	-.00174	-.12181	.08400	.09118	.01024
#2	.18399	-.00102	-.01879	.08256	.09112	.00931
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7074.5**	**77238.**	**6410.0**
Stddev	22.7	131.	37.0
%RSD	.32144	.16944	.57707
#1	7058.5	77331.	6436.2
#2	7090.6	77145.	6383.9

Sample Name: 280-49082-a-1-b ms Acquired: 11/15/2013 3:56:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04879**	**382.45**	**1.0004**	**1.1808**	**2.4613**	**.05879**	F **1.8318**	**96.783**	**.08846**	**.53084**
Stddev	.00013	2.23	.0006	.0022	.0187	.00044	.0062	.420	.00004	.00133
%RSD	.26093	.58359	.06115	.18791	.76064	.74093	.33746	.43350	.04175	.24963
#1	.04888	380.87	1.0000	1.1793	2.4480	.05848	1.8274	96.487	.08843	.52990
#2	.04870	384.02	1.0009	1.1824	2.4745	.05910	1.8361	97.080	.08848	.53178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74190**	**.38125**	**384.26**	W **118.65**	**1.3158**	**146.34**	**3.3398**	**.81150**	**51.611**	**.85559**
Stddev	.00111	.00007	2.78	.63	.0072	2.68	.0260	.00223	.304	.00239
%RSD	.15020	.01876	.72237	.53054	.54546	1.8300	.77827	.27437	.58895	.27916
#1	.74111	.38120	382.30	118.21	1.3108	144.45	3.3214	.80993	51.396	.85390
#2	.74269	.38130	386.22	119.10	1.3209	148.23	3.3582	.81307	51.826	.85728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.185**	**.46229**	**.32597**	**.09691**	**1.7931**	**6.2325**	**13.337**	**1.6633**	**1.6966**	**1.0395**
Stddev	.023	.00065	.00216	.00064	.0112	.0330	.071	.0037	.0136	.0013
%RSD	.18969	.14036	.66341	.66449	.62451	.52881	.52881	.22064	.80306	.12923
#1	12.169	.46183	.32444	.09646	1.7852	6.2092	13.288	1.6607	1.6870	1.0385
#2	12.202	.46275	.32750	.09737	1.8010	6.2558	13.387	1.6659	1.7063	1.0404
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9833**	**1.5164**	**2.4702**	**1.0334**	**.93341**	**.44687**
Stddev	.0066	.0001	.0155	.0051	.00703	.00245
%RSD	.33379	.00856	.62560	.48984	.75274	.54813
#1	1.9786	1.5163	2.4812	1.0298	.92844	.44514
#2	1.9879	1.5165	2.4593	1.0370	.93838	.44861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7211.5**	**78252.**	**7006.3**
Stddev	5.1	435.	61.5
%RSD	.07114	.55633	.87744
#1	7215.1	78559.	6962.8
#2	7207.9	77944.	7049.7

Sample Name: 280-49082-a-1-c msd Acquired: 11/15/2013 3:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04712**	**335.18**	**.95829**	**1.1124**	**2.3783**	**.05647**	F **1.7688**	**79.108**	**.08523**	**.50016**
Stddev	.00017	2.14	.00201	.0005	.0190	.00056	.0004	.513	.00003	.00003
%RSD	.36181	.63881	.21025	.04610	.79967	.99529	.02088	.64824	.03887	.00501
#1	.04700	336.70	.95687	1.1121	2.3917	.05687	1.7685	79.471	.08521	.50018
#2	.04724	333.67	.95972	1.1128	2.3648	.05607	1.7690	78.745	.08526	.50014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64912**	**.33489**	**332.85**	W **109.05**	**1.2629**	**124.39**	**2.4376**	**.79543**	**51.016**	**.77621**
Stddev	.00080	.00064	2.18	.64	.0104	.37	.0290	.00027	.514	.00023
%RSD	.12302	.19036	.65558	.58273	.82353	.29677	1.1878	.03453	1.0073	.02953
#1	.64968	.33444	334.39	109.49	1.2703	124.13	2.4171	.79563	50.652	.77605
#2	.64855	.33534	331.31	108.60	1.2556	124.65	2.4581	.79524	51.379	.77637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.350**	**.44239**	**.26374**	**.10307**	**1.7303**	**6.3832**	**13.660**	**1.6160**	**1.5828**	**.98969**
Stddev	.002	.00125	.00015	.00336	.0109	.0010	.002	.0035	.0136	.00557
%RSD	.01521	.28362	.05602	3.2640	.62779	.01640	.01640	.21572	.85674	.56262
#1	11.349	.44150	.26363	.10069	1.7226	6.3824	13.658	1.6135	1.5924	.98576
#2	11.351	.44328	.26384	.10545	1.7380	6.3839	13.662	1.6184	1.5732	.99363
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8207**	**1.4869**	**2.5352**	**.92890**	**.85274**	**.45189**
Stddev	.0021	.0014	.0513	.00186	.00223	.00372
%RSD	.11388	.09268	2.0227	.19986	.26132	.82265
#1	1.8193	1.4860	2.4989	.92759	.85117	.45452
#2	1.8222	1.4879	2.5715	.93021	.85432	.44926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7281.7**	**78663.**	**6871.3**
Stddev	17.4	25.	5.8
%RSD	.23953	.03155	.08384
#1	7269.4	78680.	6867.2
#2	7294.0	78645.	6875.3

Sample Name: 280-49082-a-2-a Acquired: 11/15/2013 4:00:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**122.03**	**.06322**	**.13000**	**.68922**	**.00895**	**-.02995**	**88.655**	**.00209**	**.08209**
Stddev	.00087	.13	.00545	.00034	.00144	.00002	.00026	.015	.00004	.00052
%RSD	1270.0	.10379	8.6222	.26492	.20843	.22848	.88096	.01680	2.0338	.63340
#1	-.00055	122.12	.05937	.13024	.68820	.00893	-.03014	88.665	.00206	.08246
#2	.00068	121.94	.06708	.12975	.69023	.00896	-.02977	88.644	.00212	.08172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23465**	**.33519**	**197.69**	**20.625**	**.15306**	**60.680**	**4.6612**	**.00221**	**7.5914**	**.21490**
Stddev	.00104	.00144	1.25	.114	.00123	.151	.0548	.00010	.0014	.00062
%RSD	.44390	.42935	.63125	.55163	.80320	.24832	1.1760	4.6153	.01915	.28745
#1	.23538	.33417	196.81	20.705	.15219	60.574	4.6225	.00229	7.5925	.21534
#2	.23391	.33621	198.58	20.544	.15393	60.787	4.7000	.00214	7.5904	.21446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5786**	**.05541**	**4.1460**	**.00031**	**.00198**	**2.7355**	**5.8540**	**.01048**	**.67609**	**.06724**
Stddev	.0099	.00075	.0290	.00073	.00148	.0167	.0357	.00014	.00111	.00061
%RSD	.62779	1.3597	.69886	232.38	74.381	.61042	.61042	1.3789	.16410	.90776
#1	1.5856	.05595	4.1664	.00083	.00303	2.7473	5.8793	.01038	.67530	.06681
#2	1.5716	.05488	4.1255	-.00020	.00094	2.7237	5.8287	.01059	.67687	.06767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62932**	**-.00415**	F **-.28238**	**.28339**	**.23408**	**.04860**
Stddev	.00023	.00039	.02490	.00165	.00189	.00003
%RSD	.03625	9.3861	8.8172	.58386	.80871	.06910
#1	.62916	-.00442	-.26478	.28222	.23541	.04858
#2	.62948	-.00387	-.29999	.28456	.23274	.04863
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7287.3**	**79956.**	**6758.5**
Stddev	.5	182.	2.7
%RSD	.00754	.22805	.03963
#1	7287.7	79827.	6760.4
#2	7287.0	80085.	6756.6

Sample Name: 280-49082-a-3-a Acquired: 11/15/2013 4:02:56 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**154.33**	**.05228**	**.19912**	**.37753**	**.01334**	**-.03336**	**22.015**	**.00205**	**.08387**
Stddev	.00055	1.38	.00253	.00040	.00321	.00003	.00390	.198	.00011	.00052
%RSD	34.471	.89702	4.8347	.20200	.85078	.24405	11.699	.89804	5.4807	.62354
#1	-.00200	153.35	.05407	.19884	.37525	.01336	-.03060	21.875	.00197	.08424
#2	-.00121	155.31	.05050	.19941	.37980	.01332	-.03611	22.155	.00213	.08350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39305**	**.11811**	**266.52**	**29.844**	**.22464**	**53.736**	**1.1418**	**.00349**	**8.1784**	**.35064**
Stddev	.00024	.00075	2.42	.314	.00328	.056	.0004	.00046	.0412	.00113
%RSD	.06149	.63251	.90689	1.0519	1.4613	.10381	.03030	13.109	.50324	.32267
#1	.39322	.11864	264.81	29.622	.22232	53.697	1.1421	.00316	8.1493	.35144
#2	.39288	.11758	268.23	30.066	.22696	53.776	1.1416	.00381	8.2075	.34984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0234**	**.05398**	**2.2451**	**-.00002**	**.00096**	**2.6917**	**5.7603**	**.01434**	**.52813**	**.09514**
Stddev	.0003	.00045	.0004	.00087	.00000	.0116	.0248	.00007	.00436	.00160
%RSD	.01394	.83511	.01650	5252.2	.49750	.43097	.43097	.45979	.82573	1.6801
#1	2.0232	.05366	2.2448	-.00063	.00095	2.6835	5.7427	.01438	.52505	.09627
#2	2.0236	.05430	2.2453	.00060	.00096	2.6999	5.7778	.01429	.53122	.09401
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54954**	**-.00623**	F **-.30721**	**.36323**	**.31069**	**.04917**
Stddev	.00145	.00234	.00614	.00111	.00106	.00219
%RSD	.26331	37.586	1.9973	.30472	.33960	4.4551
#1	.55056	-.00788	-.30287	.36245	.31143	.04762
#2	.54852	-.00457	-.31155	.36402	.30994	.05072
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7362.6**	**81061.**	**6830.1**
Stddev	57.1	63.	44.0
%RSD	.77612	.07832	.64357
#1	7322.2	81016.	6861.2
#2	7403.0	81106.	6799.0

Sample Name: 280-49082-a-4-a Acquired: 11/15/2013 4:05:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**142.35**	**.06810**	**.15229**	**.75718**	**.01046**	**-.03028**	**155.43**	**.00421**	**.10363**
Stddev	.00045	.09	.00199	.00071	.00056	.00004	.00172	.14	.00025	.00016
%RSD	35.883	.06649	2.9151	.46462	.07335	.39717	5.6793	.09270	5.9094	.15653
#1	-.00094	142.42	.06950	.15279	.75679	.01043	-.02907	155.33	.00439	.10375
#2	-.00158	142.29	.06670	.15179	.75757	.01049	-.03150	155.53	.00404	.10352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43733**	**.55382**	**230.79**	**28.499**	**.19648**	**84.295**	**4.6642**	**.00331**	**4.5899**	**.29987**
Stddev	.00109	.00462	1.13	.019	.00213	.103	.0726	.00031	.0005	.00235
%RSD	.24852	.83470	.48845	.06551	1.0863	.12214	1.5560	9.4676	.01185	.78454
#1	.43810	.55055	229.99	28.512	.19497	84.223	4.7155	.00353	4.5903	.30153
#2	.43656	.55709	231.59	28.486	.19798	84.368	4.6129	.00309	4.5896	.29820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3992**	**.12541**	**7.9511**	**.00169**	**.00496**	**3.6639**	**7.8407**	**.01338**	**.84106**	**.07395**
Stddev	.0180	.00240	.0218	.00201	.00073	.0231	.0493	.00043	.00034	.00534
%RSD	.75041	1.9175	.27406	119.39	14.696	.62908	.62908	3.1921	.04076	7.2163
#1	2.4119	.12711	7.9665	.00311	.00444	3.6476	7.8058	.01368	.84081	.07772
#2	2.3864	.12371	7.9357	.00026	.00547	3.6802	7.8756	.01308	.84130	.07017
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55995**	**-.00390**	F **-.28348**	**.33973**	**.73289**	**.06706**
Stddev	.00022	.00014	.04463	.00376	.00156	.00100
%RSD	.03998	3.6376	15.744	1.1055	.21330	1.4955
#1	.55979	-.00380	-.31504	.33707	.73179	.06635
#2	.56011	-.00400	-.25192	.34238	.73400	.06777
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7304.8**	**79995.**	**6976.4**
Stddev	23.3	10.	43.3
%RSD	.31946	.01285	.62116
#1	7288.3	79987.	7007.1
#2	7321.3	80002.	6945.8

Sample Name: 280-49082-a-5-a Acquired: 11/15/2013 4:07:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00226**	**136.48**	**.03206**	**.19579**	**.25950**	**.01137**	**-.01709**	**16.854**	**.00165**	**.06424**
Stddev	.00048	.40	.00019	.00044	.00112	.00000	.00035	.073	.00006	.00031
%RSD	21.120	.29454	.59689	.22359	.43255	.03481	2.0589	.43205	3.4090	.48796
#1	-.00259	136.19	.03193	.19610	.25870	.01137	-.01685	16.803	.00169	.06447
#2	-.00192	136.76	.03220	.19548	.26029	.01137	-.01734	16.906	.00161	.06402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26149**	**.05217**	**168.37**	**31.487**	**.18115**	**43.440**	**.61394**	**.00138**	**3.7581**	**.23657**
Stddev	.00147	.00004	.32	.030	.00047	.074	.00065	.00001	.0243	.00080
%RSD	.56354	.07533	.18748	.09626	.25936	.17132	.10621	.98281	.64656	.33655
#1	.26045	.05220	168.14	31.465	.18148	43.493	.61440	.00137	3.7410	.23714
#2	.26254	.05214	168.59	31.508	.18081	43.387	.61348	.00139	3.7753	.23601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7014**	**.04325**	**.18199**	**.00045**	**-.00034**	**2.8919**	**6.1887**	**.00972**	**.57371**	**.08114**
Stddev	.0031	.00098	.00112	.00128	.00057	.0040	.0085	.00001	.00207	.00179
%RSD	.17909	2.2623	.61781	283.47	167.52	.13721	.13721	.13329	.36143	2.2010
#1	1.7035	.04394	.18278	-.00045	-.00075	2.8947	6.1947	.00973	.57225	.08240
#2	1.6992	.04255	.18119	.00135	.00006	2.8891	6.1827	.00971	.57518	.07987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32539**	**-.00371**	F **-.22120**	**.28902**	**.23633**	**.04410**
Stddev	.00023	.00040	.02596	.00082	.00015	.00067
%RSD	.07027	10.812	11.736	.28411	.06328	1.5232
#1	.32523	-.00400	-.23956	.28960	.23644	.04458
#2	.32555	-.00343	-.20285	.28844	.23622	.04363
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9790.5**	**107050.**	**9107.9**
Stddev	5.8	310.	5.5
%RSD	.05905	.28956	.06043
#1	9786.4	106830.	9111.8
#2	9794.6	107270.	9104.0

Sample Name: CCVH-2372891 Acquired: 11/15/2013 4:09:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00821**	**48.709**	**-.00028**	**.00264**	**.00106**	**-.00005**	W **1.0762**	**.02690**	**.00076**	**-.00112**	**.00024**	**-.00759**
Stddev	.00018	.053	.00152	.00057	.00020	.00002	.0008	.00105	.00006	.00029	.00011	.00008
%RSD	2.1706	.10862	537.32	21.786	18.921	41.642	.07632	3.8994	8.1176	25.903	44.008	1.0814
#1	-.00833	48.672	-.00136	.00304	.00120	-.00003	1.0767	.02616	.00081	-.00091	.00032	-.00753
#2	-.00808	48.746	.00079	.00223	.00092	-.00006	1.0756	.02764	.00072	-.00132	.00017	-.00764
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.336**	**.11505**	**.00235**	**.05771**	**.00006**	**.00044**	**257.67**	**-.00075**	**.00424**	**-.00209**	**5.0761**	**.00211**
Stddev	.577	.04953	.00013	.00073	.00001	.00007	.64	.00012	.00101	.00050	.0035	.00179
%RSD	1.1244	43.053	5.5562	1.2588	20.361	16.811	.24843	15.690	23.860	23.930	.06894	84.545
#1	51.744	.08002	.00226	.05822	.00006	.00039	257.22	-.00067	.00353	-.00245	5.0785	.00338
#2	50.928	.15007	.00244	.05719	.00005	.00050	258.12	-.00084	.00496	-.00174	5.0736	.00085
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	**.00709**	**.01518**	**-.00003**	**.00018**	**5.1736**	**.01401**	**.00310**	F **8.3757**	**.00102**	**.00303**	**-.08224**
Stddev	.00654	.00250	.00535	.00010	.00001	.0095	.00022	.00030	.0166	.00057	.00007	.00386
%RSD	139.30	35.219	35.219	346.98	3.8939	.18334	1.5473	9.7829	.19783	55.832	2.3067	4.6879
#1	-.00933	.00533	.01140	.00004	.00018	5.1669	.01385	.00331	8.3874	.00062	.00308	-.07951
#2	-.00007	.00886	.01896	-.00010	.00017	5.1803	.01416	.00289	8.3640	.00143	.00298	-.08496
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.0**	**75520.**	**6150.3**
Stddev	11.4	118.	30.3
%RSD	.16617	.15681	.49248
#1	6893.0	75436.	6128.9
#2	6876.9	75604.	6171.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 4:12:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55594	F .55610	1.0570	.53156	.51067	.47031	-.00787	4.7193	.48584	.50745	.54249	.50810	2.6313
Stddev	.00161	.00013	.0021	.00176	.00106	.00083	.00376	.0237	.00062	.00101	.00177	.00048	.0047
%RSD	.29029	.02343	.20033	.33140	.20709	.17637	47.745	.50123	.12724	.19871	.32641	.09357	.17824
#1	.55708	.55601	1.0585	.53032	.51141	.47089	-.00522	4.7360	.48627	.50816	.54374	.50844	2.6280
#2	.55480	.55619	1.0555	.53281	.50992	.46972	-.01053	4.7026	.48540	.50673	.54123	.50777	2.6346
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000											
Range	10.490%	10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.320	1.0143	21.366	.50896	.53080	5.2411	.54799	1.0596	.97396	.00386	1.0263	1.0769	5.1410
Stddev	.140	.0005	.007	.00054	.00154	.0165	.00153	.0053	.00114	.00151	.0070	.0121	.0148
%RSD	.28358	.05361	.03506	.10643	.28984	.31510	.27997	.49585	.11681	39.053	.68725	1.1286	.28869
#1	49.419	1.0139	21.361	.50934	.53189	5.2528	.54908	1.0633	.97477	.00280	1.0313	1.0854	5.1515
#2	49.221	1.0146	21.371	.50858	.52971	5.2294	.54691	1.0559	.97316	.00493	1.0213	1.0683	5.1305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.002	1.0600	.49499	.00457	.51766	1.0097	-.02001	.49165	.53972	.49343
Stddev	.032	.0112	.00137	.00261	.00134	.0054	.00474	.00071	.00475	.00367
%RSD	.28869	1.0523	.27703	57.120	.25796	.53782	23.707	.14503	.88050	.74326
#1	11.024	1.0679	.49595	.00642	.51671	1.0135	-.01665	.49114	.53636	.49602
#2	10.979	1.0521	.49402	.00272	.51860	1.0058	-.02336	.49215	.54308	.49083
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6919.6	76176.	6147.6
Stddev	9.5	343.	15.5
%RSD	.13699	.44967	.25143
#1	6912.9	76418.	6158.5
#2	6926.3	75933.	6136.6

Sample Name: CCB Acquired: 11/15/2013 4:14:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00203**	**-.00199**	**.00160**	**.00049**	**.00011**	**.00025**	**-.00117**	**-.00009**	**-.00023**	**-.00008**	**-.00106**
Stddev	.00045	.00024	.00552	.00003	.00021	.00003	.00106	.00075	.00010	.00007	.00005	.00003
%RSD	49.349	11.721	277.98	1.9986	41.743	25.784	431.99	64.506	110.63	31.893	69.884	2.9286
#1	-.00060	.00220	-.00589	.00158	.00035	.00009	.00100	-.00170	-.00016	-.00018	-.00004	-.00108
#2	-.00123	.00186	.00192	.00162	.00064	.00013	-.00050	-.00063	-.00002	-.00029	-.00011	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.13416**	**.00051**	**.00189**	**.00014**	**.00017**	W **.11809**	**-.00015**	**-.00008**	**.00054**	**.00548**	W **.00583**
Stddev	.00179	.01975	.00141	.00011	.00002	.00001	.00717	.00029	.00006	.00073	.00003	.00056
%RSD	65.199	14.723	274.34	5.7079	14.161	3.7316	6.0687	197.47	78.061	136.09	.57688	9.6144
#1	.00400	.12019	-.00048	.00197	.00015	.00017	.11302	.00006	-.00004	.00105	.00546	.00543
#2	.00148	.14812	.00151	.00182	.00013	.00017	.12316	-.00036	-.00013	.00002	.00550	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.01019**	**.02180**	**-.00050**	**-.00005**	**.00266**	**.00002**	**.00134**	**-.02132**	**.00014**	**.00340**	**-.00026**
Stddev	.00007	.00321	.00687	.00004	.00003	.00075	.00004	.00005	.02227	.00061	.00069	.00291
%RSD	2.4995	31.508	31.508	7.5466	62.568	28.168	194.67	3.9044	104.47	442.30	20.408	1123.5
#1	.00292	.01246	.02666	-.00048	-.00003	.00319	.00005	.00131	-.00557	.00057	.00389	-.00232
#2	.00282	.00792	.01695	-.00053	-.00008	.00213	-.00001	.00138	-.03706	-.00029	.00291	.00180
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6915.7**	**76962.**	**6071.1**
Stddev	5.8	148.	107.4
%RSD	.08438	.19165	1.7683
#1	6919.8	76857.	5995.2
#2	6911.6	77066.	6147.0

Sample Name: CCVL2379751 Acquired: 11/15/2013 4:16:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00997**	**.11458**	**.01305**	**.10718**	**.01078**	**.00098**	**.11803**	**.18585**	**.00479**	**.01030**	**.01074**	**.01414**	**.10837**
Stddev	.00000	.00029	.00035	.00041	.00009	.00004	.00235	.00430	.00016	.00011	.00004	.00022	.00254
%RSD	.03272	.25349	2.6716	.38389	.79781	3.6629	1.9931	2.3161	3.3306	1.1026	.35554	1.5732	2.3420
#1	.00997	.11438	.01281	.10689	.01072	.00100	.11637	.18281	.00490	.01022	.01077	.01398	.11017
#2	.00998	.11479	.01330	.10747	.01084	.00095	.11970	.18889	.00467	.01038	.01071	.01430	.10658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9994**	**.01092**	**.22072**	**.01041**	**.02053**	**1.1158**	**.04513**	**3.1142**	**.00870**	**.00349**	**.01228**	**.01532**	**.50423**
Stddev	.0263	.00311	.00188	.00000	.00033	.0060	.00006	.0167	.00037	.00262	.00019	.00078	.01231
%RSD	.87619	28.531	.85378	.00023	1.6049	.53304	.13366	.53493	4.2713	75.118	1.5395	5.1076	2.4412
#1	3.0180	.00871	.22205	.01041	.02030	1.1200	.04509	3.1025	.00843	.00164	.01215	.01477	.49553
#2	2.9808	.01312	.21939	.01041	.02076	1.1116	.04518	3.1260	.00896	.00534	.01242	.01587	.51294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0791**	**.10780**	**.00981**	**.01655**	**.01048**	**.01667**	F **.10284**	**.00990**	F **.02625**	**.01526**
Stddev	.0263	.00062	.00021	.00164	.00030	.00086	.01854	.00016	.00095	.00189
%RSD	2.4412	.57347	2.1269	9.9312	2.8823	5.1599	18.028	1.5825	3.6187	12.361
#1	1.0604	.10824	.00966	.01772	.01027	.01728	.08973	.01001	.02558	.01660
#2	1.0977	.10737	.00995	.01539	.01070	.01606	.11595	.00979	.02692	.01393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7119.8**	**78885.**	**6255.1**
Stddev	4.5	102.	9.5
%RSD	.06365	.12891	.15171
#1	7116.6	78957.	6248.3
#2	7123.0	78813.	6261.8

Sample Name: 280-49082-a-6-a Acquired: 11/15/2013 4:18:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00349**	**175.27**	**.08576**	**.24534**	**.37005**	**.01391**	**-.03765**	**104.26**	**.00239**	**.10640**
Stddev	.00002	.52	.00012	.00035	.00030	.00003	.00123	.21	.00027	.00069
%RSD	.60108	.29597	.13961	.14198	.08142	.24849	3.2582	.20529	11.323	.65035
#1	-.00348	174.90	.08568	.24509	.36984	.01388	-.03852	104.11	.00258	.10591
#2	-.00351	175.64	.08585	.24558	.37026	.01393	-.03678	104.41	.00220	.10689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35230**	**.04051**	**276.04**	**38.850**	**.22095**	**72.445**	**2.2761**	**.00198**	**3.2627**	**.34397**
Stddev	.00050	.00044	.14	.219	.00158	.273	.0098	.00001	.0173	.00079
%RSD	.14241	1.0792	.04967	.56471	.71526	.37739	.43086	.30872	.53041	.22917
#1	.35195	.04020	275.94	38.695	.22207	72.251	2.2692	.00198	3.2750	.34342
#2	.35266	.04082	276.13	39.005	.21983	72.638	2.2831	.00198	3.2505	.34453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3592**	**.06858**	**.24586**	**.00265**	**.00573**	**3.4652**	**7.4154**	**.01398**	**.80624**	**.09316**
Stddev	.0070	.00083	.00004	.00121	.00518	.0070	.0151	.00009	.00276	.00103
%RSD	.29743	1.2057	.01748	45.538	90.443	.20342	.20342	.63296	.34246	1.1093
#1	2.3543	.06800	.24583	.00350	.00939	3.4701	7.4261	.01404	.80429	.09243
#2	2.3642	.06917	.24589	.00180	.00206	3.4602	7.4048	.01392	.80820	.09389
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65106**	**-.00822**	F **-.51332**	**.41217**	**.33548**	**.04970**
Stddev	.00318	.00008	.01081	.00370	.00025	.00059
%RSD	.48774	.95268	2.1059	.89767	.07495	1.1916
#1	.64881	-.00816	-.50568	.40955	.33530	.05012
#2	.65330	-.00827	-.52097	.41478	.33566	.04928
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7272.9**	**80262.**	**6929.4**
Stddev	10.4	485.	41.7
%RSD	.14341	.60458	.60216
#1	7265.6	80605.	6899.9
#2	7280.3	79919.	6958.9

Sample Name: 280-49082-a-7-d Acquired: 11/15/2013 4:21:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00309**	**170.13**	**.07873**	**.24639**	**.33574**	**.01385**	W **-.05313**	**15.092**	**.00261**	**.10168**
Stddev	.00079	.99	.00127	.00046	.00027	.00003	.00065	.106	.00001	.00101
%RSD	25.566	.58357	1.6180	.18513	.08099	.23469	1.2248	.70449	.53233	.99710
#1	-.00365	170.83	.07783	.24671	.33593	.01387	-.05359	15.167	.00262	.10239
#2	-.00254	169.42	.07963	.24607	.33555	.01382	-.05267	15.016	.00260	.10096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43079**	**.05648**	**388.27**	**31.121**	**.27656**	**49.391**	**1.1741**	**.00433**	**4.8440**	**.33110**
Stddev	.00001	.00005	.98	.035	.00259	.085	.0021	.00006	.0418	.00114
%RSD	.00293	.08522	.25288	.11200	.93720	.17246	.17845	1.2772	.86333	.34418
#1	.43078	.05644	388.96	31.146	.27473	49.451	1.1756	.00437	4.8735	.33190
#2	.43080	.05651	387.58	31.096	.27839	49.330	1.1726	.00429	4.8144	.33029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7111**	**.06824**	**.21169**	**.00426**	**-.00079**	**3.2924**	**7.0457**	**.01608**	**.63435**	**.10610**
Stddev	.0141	.00187	.00060	.00093	.00128	.0012	.0026	.00070	.00192	.00277
%RSD	.82435	2.7352	.28488	21.756	162.15	.03619	.03619	4.3478	.30243	2.6150
#1	1.7211	.06956	.21212	.00361	.00012	3.2932	7.0475	.01658	.63571	.10414
#2	1.7011	.06692	.21127	.00492	-.00170	3.2916	7.0439	.01559	.63299	.10807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87105**	**-.00987**	F **-.40973**	**.49389**	**.33073**	**.07000**
Stddev	.00232	.00052	.02788	.00326	.00041	.00023
%RSD	.26578	5.2411	6.8036	.66007	.12393	.33098
#1	.87269	-.01023	-.42944	.49620	.33044	.06984
#2	.86941	-.00950	-.39001	.49159	.33102	.07017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7466.4**	**82116.**	**6912.8**
Stddev	9.3	62.	24.2
%RSD	.12435	.07497	.35047
#1	7473.0	82073.	6895.7
#2	7459.8	82160.	6929.9

Sample Name: 280-49082-a-8-a Acquired: 11/15/2013 4:23:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**114.10**	**.05252**	**.10613**	**.66764**	**.00713**	**-.02807**	**277.00**	**.00652**	**.06474**
Stddev	.00014	.01	.00018	.00090	.00118	.00012	.00196	.77	.00017	.00049
%RSD	37.629	.00577	.33329	.84930	.17640	1.7239	6.9917	.27827	2.6026	.76207
#1	-.00047	114.10	.05239	.10549	.66680	.00721	-.02668	277.54	.00640	.06439
#2	-.00027	114.11	.05264	.10677	.66847	.00704	-.02946	276.45	.00664	.06509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36591**	**.31842**	**167.96**	**50.400**	**.14699**	**56.416**	**3.5990**	**.00240**	**4.1783**	**.19011**
Stddev	.00177	.00052	.32	.062	.00129	.036	.0207	.00008	.0010	.00140
%RSD	.48306	.16380	.18863	.12309	.87862	.06366	.57541	3.1957	.02347	.73718
#1	.36466	.31805	168.18	50.356	.14790	56.390	3.6136	.00234	4.1790	.18911
#2	.36716	.31879	167.73	50.444	.14608	56.441	3.5844	.00245	4.1776	.19110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3024**	**.14024**	**16.022**	**-.00012**	**.00827**	**3.3304**	**7.1270**	**.01153**	**1.5126**	**.04757**
Stddev	.0143	.00093	.043	.00015	.00029	.0909	.1946	.00118	.0007	.00025
%RSD	.62211	.66295	.27032	130.30	3.5328	2.7300	2.7300	10.275	.04914	.51724
#1	2.2923	.13958	15.991	-.00022	.00847	3.3947	7.2646	.01069	1.5131	.04740
#2	2.3125	.14090	16.052	-.00001	.00806	3.2661	6.9894	.01237	1.5121	.04774
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69204**	**-.00174**	F **-.23107**	**.27610**	**.54301**	**.06669**
Stddev	.00428	.00010	.02663	.00057	.00150	.00093
%RSD	.61787	5.4695	11.526	.20478	.27540	1.4001
#1	.69506	-.00181	-.21224	.27570	.54407	.06735
#2	.68902	-.00167	-.24991	.27650	.54195	.06603
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7077.4**	**77440.**	**6746.6**
Stddev	4.2	124.	23.6
%RSD	.05865	.15982	.34936
#1	7074.4	77352.	6763.2
#2	7080.3	77528.	6729.9

Sample Name: 280-49082-a-9-a Acquired: 11/15/2013 4:25:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00228**	**85.136**	**.04953**	**.12924**	**.23113**	**.00923**	**-.02714**	**17.905**	**.00180**	**.09050**
Stddev	.00021	.222	.00205	.00006	.00086	.00002	.00133	.018	.00023	.00017
%RSD	9.4324	.26130	4.1402	.04593	.37354	.26383	4.9128	.09894	12.633	.19251
#1	-.00243	84.979	.04808	.12920	.23052	.00922	-.02809	17.892	.00196	.09062
#2	-.00213	85.294	.05098	.12929	.23174	.00925	-.02620	17.917	.00164	.09038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28709**	**.05844**	**223.26**	**18.346**	**.17284**	**33.471**	**.63304**	**.00154**	**4.0096**	**.27713**
Stddev	.00026	.00040	.89	.116	.00288	.065	.00149	.00006	.0017	.00022
%RSD	.08901	.68968	.40002	.63150	1.6636	.19304	.23479	3.8681	.04315	.07839
#1	.28727	.05816	222.63	18.264	.17081	33.516	.63199	.00158	4.0108	.27728
#2	.28691	.05873	223.89	18.428	.17488	33.425	.63409	.00150	4.0084	.27697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2099**	**.06528**	**1.2897**	**-.00101**	**.00053**	**1.6338**	**3.4963**	**.01359**	**.49468**	**.07799**
Stddev	.0079	.00048	.0042	.00046	.00207	.0177	.0379	.00021	.00138	.00131
%RSD	.65371	.73827	.32838	45.623	392.03	1.0831	1.0831	1.5660	.27827	1.6778
#1	1.2155	.06562	1.2927	-.00069	.00199	1.6213	3.4695	.01374	.49371	.07892
#2	1.2043	.06494	1.2868	-.00134	-.00093	1.6463	3.5231	.01344	.49566	.07707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44991**	**-.00705**	F **-.33577**	**.30947**	**.26182**	**.04663**
Stddev	.00110	.00038	.00023	.00241	.00218	.00151
%RSD	.24477	5.3826	.06781	.78008	.83280	3.2395
#1	.44913	-.00732	-.33593	.30776	.26336	.04556
#2	.45069	-.00678	-.33561	.31118	.26028	.04770
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7534.9**	**83519.**	**7002.4**
Stddev	9.0	443.	9.8
%RSD	.11970	.53090	.14054
#1	7541.3	83205.	7009.4
#2	7528.6	83832.	6995.5

Sample Name: 280-49082-a-10-b Acquired: 11/15/2013 4:27:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**135.02**	**.06074**	**.06797**	**1.0924**	**.00824**	**-.03923**	**119.87**	**.00250**	**.08003**
Stddev	.00013	.42	.00266	.00008	.0026	.00000	.00094	.37	.00008	.00012
%RSD	14.476	.30898	4.3863	.11108	.23480	.01570	2.3981	.31005	3.0661	.15158
#1	-.00081	135.31	.06262	.06791	1.0942	.00824	-.03990	120.13	.00245	.08011
#2	-.00100	134.72	.05885	.06802	1.0905	.00824	-.03857	119.61	.00256	.07994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25114**	**.15322**	**217.37**	**14.940**	**.14073**	**47.050**	**3.9150**	**.00156**	**1.0302**	**.18438**
Stddev	.00049	.00003	.62	.117	.00062	.188	.0391	.00021	.0052	.00021
%RSD	.19384	.01767	.28314	.78000	.43833	.39988	.99911	13.441	.50291	.11323
#1	.25148	.15320	217.81	15.023	.14029	47.183	3.8873	.00170	1.0265	.18452
#2	.25079	.15324	216.94	14.858	.14117	46.917	3.9426	.00141	1.0339	.18423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98420**	**.08997**	**1.9656**	**.00389**	**-.00004**	**3.1919**	**6.8306**	**.01247**	**.52610**	**.06274**
Stddev	.00200	.00051	.0009	.00156	.00097	.0265	.0566	.00003	.00093	.00302
%RSD	.20277	.57239	.04650	40.203	2252.5	.82855	.82855	.22119	.17642	4.8197
#1	.98561	.09034	1.9662	.00278	-.00073	3.1732	6.7906	.01245	.52676	.06487
#2	.98279	.08961	1.9650	.00500	.00064	3.2106	6.8707	.01249	.52545	.06060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0837**	**-.00509**	F **-.25703**	**.33817**	**.29941**	**.08092**
Stddev	.0013	.00044	.03006	.00041	.00334	.00228
%RSD	.12088	8.5456	11.695	.12238	1.1162	2.8186
#1	1.0846	-.00540	-.27828	.33787	.30178	.08253
#2	1.0828	-.00478	-.23577	.33846	.29705	.07931
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7398.0**	**80851.**	**6829.9**
Stddev	.4	222.	33.4
%RSD	.00516	.27481	.48852
#1	7397.7	80694.	6853.5
#2	7398.2	81008.	6806.3

Sample Name: 280-49082-a-11-b Acquired: 11/15/2013 4:30:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**141.97**	**.07046**	**.19085**	**.63574**	**.01028**	W **-.05087**	**297.46**	**.00327**	**.10500**
Stddev	.00029	.51	.00037	.00093	.00327	.00019	.00276	.77	.00032	.00051
%RSD	20.706	.36096	.52360	.48473	.51488	1.8746	5.4265	.26008	9.8278	.48340
#1	-.00163	142.33	.07020	.19019	.63805	.01014	-.05283	296.91	.00350	.10464
#2	-.00121	141.60	.07072	.19150	.63342	.01041	-.04892	298.01	.00305	.10536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31537**	**.06693**	**328.72**	**26.741**	**.22357**	**140.01**	**9.4177**	**.00110**	**3.5961**	**.29210**
Stddev	.00225	.00004	1.23	.136	.00163	.24	.0120	.00044	.0002	.00194
%RSD	.71390	.06521	.37328	.50836	.72812	.17313	.12695	39.624	.00479	.66536
#1	.31377	.06690	329.59	26.838	.22241	140.18	9.4092	.00141	3.5962	.29072
#2	.31696	.06696	327.85	26.645	.22472	139.84	9.4261	.00079	3.5959	.29347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9260**	**.07269**	**1.5498**	**.00444**	**.00382**	**2.8568**	**6.1135**	**.01369**	**.78434**	**.06913**
Stddev	.0114	.00018	.0091	.00050	.00549	.0244	.0522	.00019	.00438	.00273
%RSD	.59329	.24808	.58974	11.360	143.71	.85376	.85376	1.4194	.55813	3.9513
#1	1.9180	.07256	1.5433	.00480	.00770	2.8395	6.0766	.01355	.78743	.06720
#2	1.9341	.07282	1.5562	.00408	-.00006	2.8740	6.1504	.01383	.78124	.07106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3994**	**-.00930**	F **-.29113**	**.35020**	**.39719**	**.05967**
Stddev	.0019	.00077	.00424	.00065	.00052	.00176
%RSD	.13416	8.2328	1.4548	.18537	.13157	2.9423
#1	1.4007	-.00984	-.28814	.35066	.39682	.05843
#2	1.3980	-.00876	-.29413	.34974	.39756	.06092
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7296.6**	**80464.**	**7028.3**
Stddev	8.9	159.	.8
%RSD	.12257	.19752	.01142
#1	7290.3	80351.	7028.9
#2	7303.0	80576.	7027.7

Sample Name: 280-49082-a-12-b Acquired: 11/15/2013 4:32:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**169.20**	**.11651**	**.19257**	**.50586**	**.01233**	W **-.06056**	**55.441**	**.00297**	**.15419**
Stddev	.00015	1.29	.00188	.00056	.00220	.00004	.00012	.335	.00022	.00009
%RSD	11.912	.76314	1.6177	.28857	.43420	.33319	.19818	.60378	7.5766	.05598
#1	-.00140	168.29	.11518	.19296	.50431	.01230	-.06048	55.205	.00313	.15413
#2	-.00118	170.11	.11785	.19217	.50742	.01235	-.06065	55.678	.00281	.15425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41105**	**.08875**	**391.86**	**36.550**	**.29370**	**84.751**	**2.5342**	**.00312**	**3.9541**	**.45189**
Stddev	.00069	.00053	1.77	.219	.00152	.089	.0594	.00036	.0238	.00054
%RSD	.16713	.59902	.45142	.59903	.51640	.10525	2.3418	11.418	.60118	.11864
#1	.41153	.08913	390.61	36.395	.29477	84.688	2.4923	.00337	3.9373	.45151
#2	.41056	.08838	393.11	36.704	.29263	84.814	2.5762	.00287	3.9709	.45227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9753**	**.09416**	**1.4156**	**.00284**	**.00184**	**2.6511**	**5.6734**	**.01658**	**.62198**	**.10271**
Stddev	.0040	.00124	.0055	.00038	.00393	.0210	.0449	.00039	.00327	.00160
%RSD	.10050	1.3132	.38675	13.402	213.73	.79187	.79187	2.3683	.52532	1.5552
#1	3.9781	.09329	1.4194	.00257	.00462	2.6363	5.6416	.01630	.61967	.10384
#2	3.9724	.09504	1.4117	.00311	-.00094	2.6660	5.7051	.01685	.62429	.10158
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5871**	W **-.01020**	F **-.35935**	**.39917**	**.61401**	**.06736**
Stddev	.0007	.00164	.00202	.00006	.00401	.00055
%RSD	.04412	16.112	.56251	.01608	.65300	.81238
#1	1.5876	-.01137	-.35792	.39913	.61117	.06698
#2	1.5866	-.00904	-.36078	.39922	.61684	.06775
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7463.2**	**82193.**	**7019.7**
Stddev	3.5	371.	21.3
%RSD	.04720	.45195	.30404
#1	7465.7	82456.	7034.8
#2	7460.7	81930.	7004.6

Sample Name: 280-49082-a-13-b Acquired: 11/15/2013 4:35:16 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00261**	**159.19**	**.05850**	**.20133**	**.48758**	**.01376**	**-.03337**	**30.982**	**.00215**	**.08188**
Stddev	.00012	.40	.00112	.00116	.00164	.00010	.00048	.024	.00011	.00041
%RSD	4.5145	.25275	1.9077	.57572	.33591	.75647	1.4425	.07745	4.9010	.49677
#1	-.00253	159.48	.05771	.20051	.48642	.01368	-.03371	30.999	.00223	.08159
#2	-.00270	158.91	.05929	.20215	.48874	.01383	-.03303	30.965	.00208	.08216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33270**	**.15913**	**278.48**	**34.789**	**.20888**	**55.368**	**1.3383**	**.00219**	**3.6863**	**.31413**
Stddev	.00132	.00064	.86	.048	.00343	.193	.0031	.00002	.0138	.00249
%RSD	.39656	.40139	.30884	.13657	1.6407	.34935	.22827	1.0794	.37435	.79363
#1	.33363	.15868	277.87	34.755	.20645	55.505	1.3405	.00221	3.6766	.31237
#2	.33176	.15959	279.09	34.822	.21130	55.231	1.3362	.00217	3.6961	.31589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1667**	**.05763**	**.26903**	**.00426**	**.00360**	**2.8617**	**6.1241**	**.01397**	**.72536**	**.09467**
Stddev	.0077	.00163	.00011	.00140	.00245	.0308	.0659	.00011	.00014	.00518
%RSD	.35496	2.8221	.04033	32.850	67.918	1.0758	1.0758	.82183	.01993	5.4664
#1	2.1612	.05648	.26911	.00327	.00187	2.8399	6.0775	.01405	.72526	.09833
#2	2.1721	.05878	.26895	.00525	.00533	2.8835	6.1706	.01388	.72546	.09101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44048**	**-.00624**	F **-.38772**	**.39368**	**.30396**	**.04802**
Stddev	.00096	.00136	.03185	.00110	.00254	.00046
%RSD	.21895	21.859	8.2153	.28035	.83663	.95770
#1	.44116	-.00528	-.41025	.39446	.30576	.04770
#2	.43979	-.00721	-.36520	.39290	.30216	.04835
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7460.7**	**82175.**	**6950.4**
Stddev	11.0	453.	12.3
%RSD	.14726	.55116	.17678
#1	7468.5	81854.	6941.7
#2	7453.0	82495.	6959.1

Sample Name: 280-49082-a-14-b Acquired: 11/15/2013 4:37:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00188**	**89.561**	**.02926**	**.04120**	**.42953**	**.00509**	**-.01817**	**8.9668**	**.00105**	**.04759**
Stddev	.00026	.045	.00076	.00021	.00160	.00011	.00122	.0057	.00007	.00015
%RSD	13.975	.05031	2.5903	.49766	.37339	2.0673	6.7351	.06408	6.4013	.32278
#1	-.00206	89.593	.02873	.04105	.42840	.00502	-.01730	8.9627	.00110	.04748
#2	-.00169	89.529	.02980	.04134	.43067	.00517	-.01903	8.9708	.00100	.04770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14111**	**.09061**	**115.25**	**10.502**	**.09033**	**21.475**	**1.2851**	**.00097**	**.94280**	**.10552**
Stddev	.00073	.00081	.46	.009	.00061	.061	.0014	.00004	.01881	.00009
%RSD	.51922	.89484	.39583	.08168	.67909	.28633	.10529	4.0879	1.9947	.08447
#1	.14059	.09004	114.92	10.508	.09076	21.431	1.2841	.00099	.95610	.10546
#2	.14163	.09118	115.57	10.496	.08989	21.518	1.2860	.00094	.92950	.10558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49652**	**.04786**	**.11491**	**.00049**	**-.00059**	**1.9520**	**4.1772**	**.00891**	**.16101**	**.04585**
Stddev	.00004	.00013	.00343	.00076	.00078	.0091	.0194	.00034	.00004	.00319
%RSD	.00762	.27254	2.9807	155.69	133.95	.46413	.46413	3.7959	.02692	6.9513
#1	.49649	.04795	.11249	.00102	-.00114	1.9456	4.1635	.00867	.16104	.04810
#2	.49655	.04777	.11733	-.00005	-.00003	1.9584	4.1909	.00915	.16098	.04360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53575**	**-.00200**	F **-.20110**	**.18159**	**.15831**	**.05722**
Stddev	.00084	.00092	.04949	.00007	.00031	.00029
%RSD	.15594	46.294	24.612	.03646	.19278	.50789
#1	.53516	-.00265	-.23610	.18164	.15810	.05742
#2	.53635	-.00134	-.16610	.18155	.15853	.05701
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7454.2**	**82356.**	**6782.0**
Stddev	4.8	244.	5.1
%RSD	.06409	.29609	.07463
#1	7450.8	82528.	6785.6
#2	7457.6	82184.	6778.4

Sample Name: 280-49082-a-15-b Acquired: 11/15/2013 4:39:49 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**98.251**	**.05866**	**.11681**	**.95672**	**.00922**	**-.03604**	**39.618**	**.00186**	**.14373**
Stddev	.00001	.467	.00020	.00010	.00400	.00005	.00010	.238	.00009	.00081
%RSD	.21579	.47519	.34427	.08947	.41798	.58719	.28705	.60146	5.0151	.56311
#1	-.00240	98.581	.05852	.11688	.95955	.00926	-.03611	39.786	.00193	.14430
#2	-.00241	97.921	.05880	.11673	.95389	.00918	-.03596	39.449	.00180	.14316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26680**	**.07966**	**208.67**	**20.157**	**.16724**	**41.902**	**5.8229**	**.00230**	**2.0163**	**.30477**
Stddev	.00181	.00092	1.40	.103	.00094	.045	.0347	.00021	.0077	.00240
%RSD	.67764	1.1568	.67207	.50908	.56062	.10751	.59609	8.9737	.38278	.78726
#1	.26808	.07901	209.66	20.229	.16791	41.870	5.7984	.00245	2.0109	.30647
#2	.26552	.08031	207.68	20.084	.16658	41.934	5.8475	.00215	2.0218	.30308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2400**	**.07468**	**.20275**	**-.00072**	**.00011**	**2.3106**	**4.9446**	**.01159**	**.33785**	**.07780**
Stddev	.0120	.00076	.00011	.00169	.00076	.0055	.0117	.00055	.00226	.00139
%RSD	.96673	1.0234	.05536	234.12	706.26	.23572	.23572	4.7278	.66992	1.7906
#1	1.2485	.07522	.20283	-.00191	.00065	2.3067	4.9364	.01120	.33945	.07682
#2	1.2315	.07414	.20267	.00047	-.00043	2.3144	4.9529	.01198	.33625	.07879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82321**	**-.00611**	F **-.43087**	**.33091**	**.28330**	**.06727**
Stddev	.00021	.00032	.01416	.00079	.00082	.00322
%RSD	.02496	5.2186	3.2862	.23915	.28891	4.7855
#1	.82336	-.00589	-.42086	.33035	.28388	.06499
#2	.82307	-.00634	-.44088	.33147	.28272	.06955
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7490.5**	**82846.**	**6946.2**
Stddev	15.9	49.	59.6
%RSD	.21260	.05894	.85852
#1	7479.2	82881.	6904.0
#2	7501.8	82812.	6988.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 4:42:08 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00746**	**48.059**	**-.00124**	**.00132**	**.00056**	**-.00008**	W **1.0674**	**.02536**	**.00060**	**-.00090**	**.00028**	**-.00703**
Stddev	.00051	.233	.00088	.00081	.00016	.00010	.0097	.00361	.00015	.00017	.00009	.00005
%RSD	6.8640	.48395	71.458	61.646	28.177	127.09	.90369	14.250	24.346	19.142	33.487	.75482
#1	-.00710	48.224	-.00186	.00074	.00067	-.00015	1.0605	.02281	.00070	-.00078	.00034	-.00707
#2	-.00782	47.895	-.00061	.00190	.00045	-.00001	1.0742	.02792	.00049	-.00102	.00021	-.00699
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.169**	**.08640**	**.00159**	**.05577**	**.00020**	**.00027**	**256.22**	**-.00120**	**.00322**	**-.00133**	**5.0460**	**-.00036**
Stddev	.245	.03166	.00097	.00058	.00006	.00031	.08	.00002	.00065	.00159	.0200	.00092
%RSD	.48809	36.641	61.339	1.0316	31.982	113.80	.03118	1.3035	20.192	119.79	.39558	259.50
#1	50.342	.06401	.00090	.05618	.00016	.00005	256.27	-.00119	.00368	-.00246	5.0319	.00030
#2	49.995	.10878	.00228	.05536	.00025	.00049	256.16	-.00121	.00276	-.00020	5.0601	-.00101
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00343**	**.01653**	**.03538**	**-.00064**	**.00011**	**5.1443**	**.01422**	**.00181**	F **8.3058**	**.00069**	**.00245**	**-.08161**
Stddev	.00273	.01423	.03045	.00059	.00012	.0119	.00091	.00069	.0153	.00070	.00009	.00090
%RSD	79.661	86.076	86.076	91.886	107.68	.23051	6.3928	38.361	.18435	101.53	3.4727	1.1003
#1	-.00536	.00647	.01384	-.00105	.00020	5.1359	.01358	.00230	8.2950	.00019	.00251	-.08224
#2	-.00150	.02659	.05691	-.00022	.00003	5.1526	.01487	.00132	8.3167	.00118	.00239	-.08097
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6970.3**	**76588.**	**6341.1**
Stddev	50.4	566.	43.9
%RSD	.72293	.73862	.69226
#1	7005.9	76988.	6310.1
#2	6934.6	76188.	6372.1

Sample Name: CCV-2372889 Acquired: 11/15/2013 4:44:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56138	F .56068	1.0665	.53895	.51800	.47468	-.01031	4.7381	.49306	.51319	.54714	.51735
Stddev	.00044	.00169	.0075	.00240	.00105	.00107	.00104	.0025	.00233	.00209	.00230	.00046
%RSD	.07789	.30111	.70025	.44596	.20189	.22532	10.062	.05199	.47335	.40820	.42088	.08901
#1	.56107	.56187	1.0717	.54065	.51874	.47392	-.01104	4.7399	.49471	.51467	.54877	.51703
#2	.56169	.55948	1.0612	.53725	.51726	.47544	-.00958	4.7364	.49141	.51171	.54551	.51768
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6421	49.886	1.0244	21.399	.51247	.53668	5.2540	W .55241	1.0737	.98590	-.00156	1.0443
Stddev	.0045	.016	.0033	.043	.00120	.00174	.0100	.00340	.0032	.00251	.00356	.0044
%RSD	.16943	.03283	.31982	.19875	.23371	.32393	.19096	.61561	.29413	.25420	228.71	.42097
#1	2.6453	49.874	1.0268	21.429	.51332	.53790	5.2469	.55481	1.0760	.98767	.00096	1.0474
#2	2.6390	49.897	1.0221	21.369	.51162	.53545	5.2611	.55001	1.0715	.98413	-.00408	1.0411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.000%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0981	5.1921	11.111	1.0711	.50202	.00432	.52254	1.0282	-.03307	.49604	.53526	.49834
Stddev	.0023	.0261	.056	.0054	.00077	.00109	.00251	.0064	.02075	.00310	.00013	.00252
%RSD	.20651	.50186	.50186	.50734	.15390	25.265	.47986	.61842	62.748	.62441	.02339	.50570
#1	1.0997	5.2105	11.150	1.0749	.50257	.00354	.52432	1.0327	-.01840	.49823	.53534	.49656
#2	1.0965	5.1737	11.072	1.0672	.50147	.00509	.52077	1.0237	-.04774	.49385	.53517	.50013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6986.0	77784.	6301.1
Stddev	8.2	240.	10.9
%RSD	.11737	.30824	.17275
#1	6980.2	77954.	6293.4
#2	6991.8	77615.	6308.8

Sample Name: CCB Acquired: 11/15/2013 4:46:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00103**	**.01515**	**.00037**	**.00121**	**.00013**	**.00017**	**.00219**	**-.00202**	**-.00010**	**-.00001**	**.00002**
Stddev	.00008	.01835	.00317	.00019	.00066	.00004	.00169	.00069	.00000	.00006	.00016
%RSD	8.0402	121.11	862.99	15.804	501.03	25.285	76.932	34.175	3.2148	850.21	922.63
#1	-.00109	.00218	.00261	.00134	.00060	.00020	.00339	-.00251	-.00010	-.00005	-.00009
#2	-.00097	.02812	-.00187	.00107	-.00033	.00014	.00100	-.00153	-.00010	.00003	.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**.00048**	**.11228**	W **.00306**	**.00150**	**.00011**	**.00018**	W **.12045**	**-.00020**	**.00071**	**-.00079**
Stddev	.00052	.00058	.02255	.00078	.00189	.00001	.00003	.00312	.00005	.00174	.00092
%RSD	73.725	121.25	20.087	25.493	125.62	6.7636	15.325	2.5915	23.758	246.94	115.91
#1	-.00107	.00089	.09633	.00251	.00283	.00012	.00020	.12266	-.00024	-.00053	-.00014
#2	-.00034	.00007	.12823	.00361	.00017	.00011	.00016	.11824	-.00017	.00194	-.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	W **.00584**	**.00287**	**-.00081**	**-.00174**	**-.00088**	**-.00012**	**.00452**	**-.00015**	**.00108**	F **-.06692**
Stddev	.00285	.00013	.00198	.00204	.00437	.00041	.00011	.00212	.00001	.00077	.00763
%RSD	64.367	2.2990	69.194	251.00	251.00	46.329	86.678	46.811	5.8084	70.585	11.400
#1	.00241	.00574	.00146	.00063	.00135	-.00116	-.00005	.00602	-.00016	.00054	-.06152
#2	.00644	.00593	.00427	-.00226	-.00483	-.00059	-.00020	.00302	-.00015	.00163	-.07231
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00015**	**.00353**	**-.00103**
Stddev	.00005	.00057	.00070
%RSD	32.576	16.089	67.907
#1	.00012	.00312	-.00153
#2	.00018	.00393	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7003.6**	**78234.**	**6207.7**
Stddev	37.4	298.	41.8
%RSD	.53369	.38058	.67273
#1	6977.2	78444.	6237.2
#2	7030.1	78023.	6178.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 4:48:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00974**	**.11356**	**.01565**	**.10680**	**.01066**	**.00103**	**.12009**	**.19404**	**.00479**	**.01032**	**.01093**	**.01418**	**.11078**
Stddev	.00069	.00021	.00174	.00072	.00019	.00005	.00058	.00067	.00012	.00001	.00000	.00019	.00155
%RSD	7.0366	.18795	11.113	.67592	1.7472	4.9218	.47971	.34319	2.5047	.11784	.01087	1.3386	1.3981
#1	.00926	.11341	.01442	.10731	.01053	.00100	.11968	.19357	.00470	.01031	.01094	.01431	.10968
#2	.01023	.11371	.01688	.10629	.01079	.00107	.12050	.19451	.00487	.01033	.01093	.01404	.11187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0070**	**.01099**	**.22032**	**.01036**	**.02034**	**1.1131**	**.04456**	**3.1126**	**.00960**	**.00442**	**.00973**	**.01758**	**.49691**
Stddev	.0410	.00108	.00027	.00004	.00003	.0134	.00019	.0033	.00057	.00152	.00140	.00133	.01011
%RSD	1.3634	9.7837	.12074	.33991	.15012	1.1999	.43081	.10723	5.9003	34.417	14.420	7.5891	2.0343
#1	2.9780	.01175	.22051	.01039	.02037	1.1036	.04442	3.1150	.00920	.00549	.01073	.01664	.48976
#2	3.0360	.01023	.22013	.01034	.02032	1.1225	.04470	3.1102	.01000	.00334	.00874	.01852	.50406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0634**	**.10719**	**.00987**	**.01679**	**.01012**	**.01604**	F **.10416**	**.00985**	**.02485**	**.01505**
Stddev	.0216	.00022	.00010	.00021	.00011	.00078	.03259	.00017	.00040	.00039
%RSD	2.0343	.20124	.98543	1.2603	1.0890	4.8327	31.292	1.7126	1.6262	2.5842
#1	1.0481	.10734	.00994	.01664	.01004	.01659	.12721	.00973	.02514	.01532
#2	1.0787	.10703	.00980	.01694	.01020	.01550	.08111	.00997	.02457	.01477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7212.6**	**80671.**	**6372.7**
Stddev	5.8	284.	39.2
%RSD	.08098	.35233	.61441
#1	7216.8	80872.	6400.4
#2	7208.5	80470.	6345.0

Sample Name: 280-49126-a-1-a Acquired: 11/15/2013 4:51:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00210**	**156.45**	**.02420**	**.05130**	**1.8926**	**.00539**	W **-.08442**	**132.86**	**.00273**	**.07269**
Stddev	.00017	.32	.00146	.00004	.0005	.00002	.00015	.22	.00012	.00054
%RSD	8.0354	.20351	6.0246	.08238	.02715	.29424	.17842	.16241	4.4142	.74319
#1	-.00222	156.68	.02523	.05127	1.8930	.00540	-.08452	133.01	.00282	.07231
#2	-.00198	156.23	.02317	.05133	1.8923	.00538	-.08431	132.71	.00265	.07308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11721**	**.23972**	**210.76**	**51.190**	**.09879**	**35.761**	**2.7179**	**.00319**	W **10.675**	**12.149**
Stddev	.00012	.00093	.61	.044	.00154	.047	.0156	.00011	.012	.054
%RSD	.10274	.38861	.29022	.08502	1.5622	.13152	.57419	3.4363	.11249	.44539
#1	.11712	.24038	211.19	51.221	.09989	35.794	2.7289	.00327	10.667	12.187
#2	.11729	.23906	210.33	51.159	.09770	35.727	2.7069	.00312	10.684	12.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07042**	W **7.6681**	**.11971**	**2.4680**	**.00101**	**.00562**	**2.3958**	**5.1271**	**.01614**	**2.4685**
Stddev	.00007	.0032	.00093	.0057	.00275	.00064	.0024	.0051	.00002	.0025
%RSD	.10302	.04169	.77370	.23118	272.46	11.417	.09965	.09965	.09842	.09959
#1	.07047	7.6703	.12036	2.4640	-.00093	.00607	2.3942	5.1235	.01613	2.4702
#2	.07037	7.6658	.11905	2.4720	.00295	.00516	2.3975	5.1307	.01615	2.4668
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06248**	**3.6125**	**-.00638**	F **-.39454**	**.54292**	**.54565**	**.30603**
Stddev	.00316	.0012	.00100	.04151	.00018	.00025	.00169
%RSD	5.0596	.03391	15.638	10.520	.03396	.04579	.55270
#1	.06472	3.6134	-.00709	-.42388	.54305	.54582	.30483
#2	.06025	3.6116	-.00567	-.36519	.54279	.54547	.30722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7669.1**	**84752.**	**7303.6**
Stddev	22.9	211.	69.6
%RSD	.29878	.24934	.95301
#1	7652.9	84602.	7254.4
#2	7685.3	84901.	7352.8

Sample Name: 280-49126-a-2-a Acquired: 11/15/2013 4:53:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**169.43**	**.03950**	**.05282**	**2.1315**	**.00588**	W **-.09149**	**232.33**	**.00451**	**.08038**
Stddev	.00052	.37	.00141	.00006	.0038	.00005	.00050	3.88	.00004	.00038
%RSD	51.120	.21577	3.5776	.10738	.17972	.91883	.55173	1.6706	.81963	.47077
#1	-.00137	169.18	.04050	.05286	2.1342	.00585	-.09113	229.59	.00454	.08011
#2	-.00064	169.69	.03850	.05278	2.1288	.00592	-.09185	235.08	.00449	.08064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15126**	**.28125**	**257.19**	**49.424**	**.12173**	**43.704**	**4.9991**	**.00611**	**44.075**	**.10895**
Stddev	.00096	.00016	.63	.088	.00060	.104	.0177	.00001	.155	.00042
%RSD	.63745	.05669	.24391	.17785	.49399	.23901	.35459	.10903	.35226	.38514
#1	.15058	.28114	257.64	49.362	.12130	43.630	5.0116	.00610	44.184	.10865
#2	.15194	.28136	256.75	49.487	.12215	43.778	4.9865	.00611	43.965	.10925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7258**	**.26615**	**3.6197**	**.00174**	**.00157**	**2.9246**	**6.2586**	**.01980**	**2.4223**	**.08143**
Stddev	.0061	.00134	.0089	.00324	.00107	.0287	.0614	.00063	.0005	.00015
%RSD	.09106	.50240	.24436	186.38	68.292	.98152	.98152	3.1816	.02247	.18618
#1	6.7215	.26520	3.6135	.00403	.00233	2.9043	6.2151	.02025	2.4219	.08154
#2	6.7301	.26709	3.6260	-.00055	.00081	2.9449	6.3020	.01936	2.4226	.08132
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9213**	**-.00693**	F **-.41209**	**.56572**	**.98518**	**.29218**
Stddev	.0044	.00100	.00484	.00008	.00476	.00195
%RSD	.11114	14.413	1.1745	.01499	.48287	.66807
#1	3.9182	-.00764	-.41551	.56578	.98182	.29080
#2	3.9244	-.00623	-.40866	.56566	.98855	.29356
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7577.6**	**83863.**	**7363.9**
Stddev	.6	118.	16.1
%RSD	.00838	.14127	.21863
#1	7578.1	83947.	7375.3
#2	7577.2	83780.	7352.5

Sample Name: 280-49126-a-3-a Acquired: 11/15/2013 4:56:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05278**	**98.457**	**.06745**	**.04127**	**8.2877**	**.00942**	F **-.11391**	**28.811**	**.04160**	**.08271**
Stddev	.00003	.127	.00036	.00015	.0178	.00002	.00071	.041	.00045	.00059
%RSD	.05079	.12895	.53691	.37229	.21424	.26321	.62076	.14218	1.0818	.71191
#1	.05276	98.547	.06719	.04116	8.3002	.00940	-.11341	28.840	.04191	.08312
#2	.05280	98.367	.06770	.04138	8.2751	.00944	-.11441	28.782	.04128	.08229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28888**	W **21.718**	RW **545.90**	**13.714**	**.07089**	**25.784**	**2.8194**	**.06558**	**2.1743**	**.29688**
Stddev	.00145	.041	.60	.029	.00015	.014	.0085	.00076	.0027	.00041
%RSD	.50289	.18861	.11033	.21476	.21024	.05557	.30032	1.1636	.12275	.13691
#1	.28990	21.689	546.32	13.693	.07078	25.794	2.8254	.06612	2.1724	.29717
#2	.28785	21.747	545.47	13.735	.07099	25.774	2.8134	.06504	2.1762	.29659
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.772**	**2.4487**	**9.5910**	**.00852**	**.00424**	**2.5829**	**5.5275**	**.43291**	**1.8326**	**.02818**
Stddev	.002	.0080	.0332	.00306	.00408	.0675	.1446	.00150	.0004	.00377
%RSD	.01771	.32492	.34644	35.896	96.331	2.6153	2.6153	.34614	.02081	13.386
#1	12.771	2.4431	9.5676	.01068	.00135	2.6307	5.6297	.43396	1.8323	.03084
#2	12.774	2.4544	9.6145	.00636	.00712	2.5352	5.4253	.43185	1.8329	.02551
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2059**	W **-.01710**	F **-.13703**	**.35579**	W **11.459**	**.11507**
Stddev	.0015	.00120	.01521	.00019	.014	.00125
%RSD	.04548	6.9897	11.098	.05286	.11800	1.0868
#1	3.2069	-.01794	-.14778	.35592	11.469	.11418
#2	3.2049	-.01625	-.12627	.35566	11.450	.11595
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7372.8**	**82590.**	**6992.0**
Stddev	1.4	309.	31.8
%RSD	.01928	.37409	.45452
#1	7371.8	82372.	6969.6
#2	7373.8	82809.	7014.5

Sample Name: 280-49126-a-4-a Acquired: 11/15/2013 4:59:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**101.80**	**.02204**	**.02060**	**1.2791**	**.00345**	W **-.07490**	**65.120**	**.00843**	**.06627**
Stddev	.00066	.64	.00058	.00140	.0066	.00001	.00105	.289	.00003	.00000
%RSD	3307.2	.63143	2.6238	6.7997	.51450	.17353	1.4036	.44326	.31539	.00026
#1	.00045	102.25	.02163	.01961	1.2838	.00346	-.07416	65.324	.00844	.06627
#2	-.00049	101.34	.02245	.02159	1.2744	.00345	-.07564	64.916	.00841	.06627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09757**	**1.4474**	**184.66**	**15.736**	**.06735**	**29.381**	**3.4963**	**.00280**	**2.2634**	**.08470**
Stddev	.00044	.0024	.80	.083	.00171	.096	.0334	.00028	.0299	.00035
%RSD	.44848	.16935	.43368	.53020	2.5347	.32623	.95430	9.9721	1.3224	.41821
#1	.09726	1.4492	185.23	15.795	.06856	29.314	3.4727	.00300	2.2845	.08444
#2	.09788	1.4457	184.10	15.677	.06614	29.449	3.5199	.00260	2.2422	.08495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.5214**	**.91974**	**1.2359**	**.00124**	**.00180**	**2.4253**	**5.1902**	**.01701**	**1.2241**	**.05803**
Stddev	.0130	.00134	.0016	.00200	.00135	.0092	.0197	.00012	.0080	.00376
%RSD	.19948	.14591	.13091	161.70	74.656	.38039	.38039	.69359	.65450	6.4790
#1	6.5122	.91879	1.2347	-.00018	.00276	2.4318	5.2041	.01709	1.2297	.06069
#2	6.5306	.92069	1.2370	.00265	.00085	2.4188	5.1762	.01693	1.2184	.05537
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2776**	**-.00470**	F **-.28318**	**.38371**	**6.2604**	**.16451**
Stddev	.0040	.00143	.05380	.00003	.0220	.00151
%RSD	.12192	30.361	18.997	.00780	.35194	.91682
#1	3.2748	-.00571	-.32122	.38369	6.2449	.16344
#2	3.2804	-.00369	-.24514	.38373	6.2760	.16557
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7529.8**	**83036.**	**6963.3**
Stddev	9.6	589.	49.4
%RSD	.12773	.70880	.70911
#1	7536.6	83452.	6928.4
#2	7523.0	82620.	6998.2

Sample Name: 280-49126-a-5-a Acquired: 11/15/2013 5:01:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03327**	**75.916**	**.08885**	**.16183**	**1.4720**	**.00271**	W **-.05108**	**215.85**	**.03979**	**.08208**
Stddev	.00009	.789	.00305	.00056	.0174	.00003	.00158	5.42	.00023	.00020
%RSD	.28091	1.0397	3.4281	.34459	1.1792	1.2234	3.0899	2.5115	.57082	.23880
#1	.03320	75.358	.08670	.16143	1.4598	.00269	-.05220	212.02	.03963	.08194
#2	.03334	76.474	.09100	.16222	1.4843	.00273	-.04997	219.68	.03995	.08222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31996**	**6.4850**	**384.65**	**15.712**	**.16201**	**47.337**	**3.3733**	**.04562**	**6.2359**	**.50453**
Stddev	.00061	.0233	5.30	.222	.00361	.009	.0273	.00025	.0787	.00217
%RSD	.19004	.35984	1.3785	1.4115	2.2279	.02003	.80925	.55274	1.2621	.42963
#1	.31953	6.4685	380.90	15.556	.15946	47.344	3.3926	.04580	6.1802	.50299
#2	.32039	6.5015	388.40	15.869	.16457	47.330	3.3540	.04544	6.2915	.50606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.2088**	**2.0498**	**4.5283**	**.01133**	**.00709**	**2.5968**	**5.5571**	W **2.0507**	**.72990**	**.02556**
Stddev	.0313	.0084	.0345	.00305	.00130	.0310	.0664	.0165	.00829	.00408
%RSD	.43465	.41063	.76258	26.892	18.359	1.1939	1.1939	.80488	1.1352	15.968
#1	7.2310	2.0438	4.5039	.01348	.00617	2.5749	5.5102	2.0390	.72404	.02845
#2	7.1867	2.0558	4.5527	.00917	.00802	2.6187	5.6041	2.0624	.73576	.02268
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7190**	W **-.01099**	F **-.17032**	**.25707**	W **17.964**	**.08132**
Stddev	.0034	.00179	.06437	.00036	.043	.00219
%RSD	.19788	16.295	37.791	.14034	.23809	2.6974
#1	1.7214	-.00972	-.12481	.25681	17.995	.07977
#2	1.7166	-.01225	-.21584	.25732	17.934	.08287
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7004.0**	**78387.**	**6669.7**
Stddev	17.7	272.	99.3
%RSD	.25334	.34705	1.4891
#1	6991.5	78195.	6739.9
#2	7016.6	78580.	6599.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 5:03:54 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00779**	**48.482**	**-.00024**	**.00102**	**.00086**	**-.00009**	W **1.0780**	**.04211**	**.00067**	**-.00101**	**.00019**	**-.00696**
Stddev	.00054	.214	.00082	.00024	.00025	.00009	.0015	.00099	.00029	.00010	.00014	.00062
%RSD	6.8909	.44127	348.85	23.652	28.763	97.558	.13985	2.3444	42.345	9.8746	73.593	8.8928
#1	-.00741	48.330	.00035	.00119	.00103	-.00003	1.0769	.04141	.00047	-.00108	.00029	-.00652
#2	-.00817	48.633	-.00082	.00085	.00068	-.00016	1.0791	.04281	.00088	-.00094	.00009	-.00740
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.772**	**.09638**	**.00225**	**.05395**	**.00019**	**.00051**	**260.36**	**-.00137**	**.00281**	**-.00156**	**5.1095**	**-.00034**
Stddev	.016	.01244	.00126	.00057	.00008	.00016	.10	.00011	.00119	.00088	.0097	.00015
%RSD	.03110	12.907	55.990	1.0609	44.301	30.575	.03810	8.1336	42.296	56.173	.18983	43.771
#1	50.761	.08759	.00136	.05435	.00025	.00062	260.43	-.00145	.00197	-.00094	5.1027	-.00023
#2	50.783	.10518	.00313	.05354	.00013	.00040	260.29	-.00129	.00365	-.00218	5.1164	-.00044
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00466**	**.01380**	**.02954**	**-.00011**	**.00018**	**5.1640**	**.01418**	**.00233**	F **8.2319**	**.00053**	**.00382**	**-.07838**
Stddev	.00187	.01684	.03604	.00006	.00002	.0023	.00022	.00089	.0195	.00025	.00020	.00208
%RSD	40.109	122.00	122.00	57.327	10.462	.04427	1.5218	38.441	.23643	46.748	5.1454	2.6561
#1	-.00334	.02571	.05502	-.00006	.00017	5.1624	.01434	.00296	8.2456	.00071	.00368	-.07985
#2	-.00598	.00190	.00406	-.00015	.00019	5.1656	.01403	.00169	8.2181	.00036	.00396	-.07690
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6940.1**	**76262.**	**6308.8**
Stddev	2.9	225.	12.3
%RSD	.04109	.29465	.19438
#1	6942.1	76103.	6317.4
#2	6938.1	76421.	6300.1

Sample Name: CCV-2372889 Acquired: 11/15/2013 5:06:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55356	W .55187	1.0557	.53283	.51453	.47031	-.00806	4.6858	.48866	.50813	.54073	.51041
Stddev	.00022	.00018	.0008	.00059	.00282	.00308	.00185	.0251	.00083	.00079	.00099	.00163
%RSD	.03961	.03204	.07509	.11041	.54886	.65560	22.919	.53486	.17044	.15624	.18350	.31977
#1	.55341	.55175	1.0563	.53241	.51653	.47249	-.00937	4.6681	.48807	.50757	.54003	.50926
#2	.55372	.55200	1.0552	.53324	.51254	.46813	-.00675	4.7036	.48925	.50869	.54144	.51157
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6103	49.683	1.0104	21.112	.50726	.52868	5.2114	.54888	1.0595	.97443	.00306	1.0312
Stddev	.0158	.134	.0004	.015	.00087	.00289	.0452	.00394	.0051	.00270	.00014	.0042
%RSD	.60522	.27003	.03433	.07222	.17180	.54591	.86814	.71724	.48215	.27680	4.4388	.40669
#1	2.5992	49.777	1.0106	21.101	.50664	.52663	5.2434	.54609	1.0559	.97252	.00296	1.0282
#2	2.6215	49.588	1.0102	21.123	.50788	.53072	5.1794	.55166	1.0631	.97633	.00316	1.0341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0819	5.0982	10.910	1.0489	.49868	.00492	.51569	1.0069	-.03407	.49237	.52891	.49153
Stddev	.0066	.0295	.063	.0070	.00274	.00161	.00079	.0062	.05399	.00068	.00127	.00693
%RSD	.61201	.57761	.57761	.67234	.54849	32.707	.15263	.61376	158.49	.13895	.23946	1.4099
#1	1.0773	5.0774	10.866	1.0439	.50061	.00378	.51514	1.0025	.00411	.49189	.52802	.48663
#2	1.0866	5.1190	10.955	1.0539	.49674	.00606	.51625	1.0112	-.07224	.49286	.52981	.49643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7020.8	77956.	6222.1
Stddev	11.4	52.	3.1
%RSD	.16252	.06733	.05044
#1	7012.7	77919.	6219.8
#2	7028.9	77993.	6224.3

Sample Name: CCB Acquired: 11/15/2013 5:08:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00133**	**.00072**	**-.00189**	**.00067**	**.00039**	**.00011**	**.00126**	**-.00111**	**-.00019**	**-.00024**	**.00002**
Stddev	.00015	.00007	.00095	.00099	.00016	.00005	.00037	.00218	.00002	.00010	.00002
%RSD	11.625	9.7829	50.148	146.95	41.040	45.467	29.009	195.45	9.2950	42.721	83.834
#1	-.00144	.00067	-.00256	.00137	.00050	.00014	.00152	-.00265	-.00018	-.00031	.00004
#2	-.00122	.00077	-.00122	-.00003	.00028	.00007	.00100	.00043	-.00021	-.00017	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00406**	**.10810**	**.00225**	**.00305**	**.00008**	**.00007**	**.09123**	**-.00007**	**-.00013**	**-.00001**
Stddev	.00041	.00424	.00715	.00290	.00155	.00003	.00016	.00355	.00035	.00063	.00046
%RSD	46.260	104.56	6.6132	128.80	50.984	40.079	219.83	3.8909	469.50	469.42	5647.1
#1	-.00117	.00706	.10304	.00020	.00195	.00006	-.00004	.08872	.00017	-.00058	.00032
#2	-.00059	.00106	.11315	.00431	.00415	.00011	.00019	.09374	-.00032	.00031	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	W **.00554**	**-.00042**	**.00742**	**.01587**	**-.00064**	**-.00005**	**.00171**	**-.00002**	**.00000**	**-.00193**
Stddev	.00047	.00185	.00193	.00415	.00889	.00036	.00010	.00247	.00004	.0010	.02588
%RSD	13.733	33.349	461.81	55.995	55.995	55.419	178.77	144.69	155.50	33157.	1342.4
#1	.00376	.00424	.00095	.01035	.02216	-.00039	.00001	.00346	-.00005	-.00069	-.02023
#2	.00309	.00685	-.00179	.00448	.00959	-.00089	-.00012	-.00004	.00000	.00069	.01637
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00372**	**-.00093**
Stddev	.00018	.00044	.00097
%RSD	194.47	11.875	104.24
#1	.00003	.00403	-.00024
#2	-.00022	.00341	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.6**	**78862.**	**6333.8**
Stddev	3.1	538.	127.4
%RSD	.04435	.68277	2.0114
#1	7015.4	78481.	6243.7
#2	7019.8	79243.	6423.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 5:10:45 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01003**	**.11447**	**.01444**	**.10629**	**.01078**	**.00092**	**.11856**	**.18898**	**.00479**	**.01050**	**.01099**	**.01438**	**.10550**
Stddev	.00093	.00001	.00050	.00029	.00038	.00006	.00047	.00189	.00016	.00015	.00011	.00062	.00145
%RSD	9.2827	.01087	3.4424	.27090	3.5053	6.7055	.39616	.99859	3.3646	1.4080	.99411	4.2771	1.3742
#1	.00937	.11446	.01409	.10650	.01104	.00088	.11823	.18764	.00490	.01061	.01107	.01481	.10652
#2	.01069	.11448	.01479	.10609	.01051	.00097	.11890	.19031	.00467	.01040	.01092	.01394	.10447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0250**	**.01043**	**.22055**	**.01040**	**.02044**	**1.0900**	**.04483**	**3.1148**	**.00838**	**.00295**	**.01016**	**.01826**	**.49871**
Stddev	.0334	.00223	.00064	.00011	.00053	.0187	.00062	.0204	.00169	.00181	.00009	.00004	.00543
%RSD	1.1040	21.402	.28997	1.1002	2.5755	1.7166	1.3878	.65345	20.148	61.186	.92968	.21361	1.0892
#1	3.0013	.01200	.22010	.01031	.02081	1.0767	.04527	3.1292	.00719	.00168	.01022	.01823	.49487
#2	3.0486	.00885	.22101	.01048	.02006	1.1032	.04439	3.1004	.00957	.00423	.01009	.01829	.50255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0672**	**.10796**	**.01000**	**.01642**	**.01042**	**.01658**	F **.09719**	**.00942**	**.02469**	**.01348**
Stddev	.0116	.00015	.00015	.00027	.00017	.00047	.01393	.00058	.00025	.00130
%RSD	1.0892	.13688	1.5136	1.6150	1.6063	2.8609	14.335	6.1110	1.0110	9.6559
#1	1.0590	.10785	.00989	.01624	.01053	.01692	.08734	.00901	.02451	.01256
#2	1.0755	.10806	.01010	.01661	.01030	.01625	.10704	.00983	.02486	.01440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7163.8**	**80670.**	**6338.0**
Stddev	12.7	276.	11.2
%RSD	.17687	.34182	.17600
#1	7172.7	80475.	6345.9
#2	7154.8	80865.	6330.1

Sample Name: mb 280-200787/1-a Acquired: 11/15/2013 5:13:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.00198**	**-.00309**	**.00029**	**.00018**	**.00005**	**.00226**	**.00794**	**-.00012**	**-.00008**
Stddev	.00061	.00005	.00159	.00043	.00003	.00002	.00210	.00267	.00011	.00008
%RSD	53.694	2.4559	51.353	145.67	17.541	41.180	93.149	33.675	90.968	96.057
#1	-.00071	.00201	-.00197	.00059	.00021	.00004	.00077	.00983	-.00004	-.00013
#2	-.00158	.00195	-.00421	-.00001	.00016	.00007	.00374	.00605	-.00020	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00068**	**.00786**	**.02743**	**.00279**	**.00451**	**.00018**	**-.00030**	**.05817**	**.00059**
Stddev	.00014	.00032	.00098	.06041	.00133	.00203	.00004	.00006	.00692	.00013
%RSD	65.437	47.342	12.441	220.20	47.695	45.107	20.708	20.918	11.901	21.969
#1	-.00030	-.00091	.00716	.07015	.00185	.00307	.00021	-.00025	.06307	.00068
#2	-.00011	-.00045	.00855	-.01528	.00374	.00594	.00016	-.00034	.05328	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00000**	**.00612**	**.00141**	**.00271**	**-.00328**	**-.00702**	**-.00076**	**-.00012**	**.00438**
Stddev	.00068	.0003	.00252	.00117	.00292	.01640	.03509	.00003	.00000	.00014
%RSD	310.43	7441.2	41.108	82.787	107.96	500.18	500.18	3.7951	1.4980	3.1078
#1	.00026	.00022	.00434	.00224	.00478	-.01487	-.03183	-.00074	-.00011	.00447
#2	-.00070	-.00023	.00790	.00059	.00064	.00832	.01780	-.00078	-.00012	.00428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00023**	**-.02838**	**.00039**	**.00463**	**-.00018**
Stddev	.00008	.00009	.01763	.00022	.00022	.00099
%RSD	28.860	41.232	62.119	56.048	4.8205	547.46
#1	.00021	.00029	-.04085	.00055	.00478	.00052
#2	.00032	.00016	-.01592	.00024	.00447	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7124.2**	**80741.**	**6369.2**
Stddev	10.2	607.	35.8
%RSD	.14283	.75156	.56272
#1	7131.4	80312.	6394.6
#2	7117.0	81170.	6343.9

Sample Name: lcs 280-200787/2-a Acquired: 11/15/2013 5:15:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05450**	**2.0979**	**1.0830**	**1.0999**	**2.0917**	**.04788**	**2.2113**	**46.192**	**.10003**	**.50246**
Stddev	.00048	.0155	.0087	.0060	.0037	.00000	.0129	.037	.00048	.00323
%RSD	.88718	.74030	.80701	.54098	.17654	.00012	.58463	.08090	.47888	.64236
#1	.05416	2.1088	1.0892	1.1041	2.0891	.04788	2.2204	46.218	.10037	.50474
#2	.05485	2.0869	1.0768	1.0957	2.0943	.04788	2.2021	46.165	.09969	.50018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21911**	**.25956**	**1.0412**	**50.917**	**1.0384**	**53.513**	**.50743**	**1.0730**	**53.208**	**.53892**
Stddev	.00135	.00018	.0053	.174	.0046	.122	.00111	.0072	.049	.00299
%RSD	.61435	.07043	.51102	.34109	.43863	.22798	.21854	.66851	.09171	.55485
#1	.22007	.25969	1.0374	50.794	1.0351	53.599	.50822	1.0781	53.174	.54104
#2	.21816	.25943	1.0449	51.040	1.0416	53.426	.50665	1.0680	53.243	.53681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.978**	**.47460**	**.00013**	**.52991**	**2.2339**	**10.313**	**22.069**	**2.1252**	**1.0131**	**1.0441**
Stddev	.058	.00153	.00107	.00469	.0151	.090	.193	.0188	.0016	.0009
%RSD	.53246	.32172	833.85	.88466	.67569	.87302	.87302	.88602	.16217	.08958
#1	11.020	.47568	.00089	.53323	2.2445	10.249	21.933	2.1385	1.0119	1.0448
#2	10.937	.47352	-.00063	.52660	2.2232	10.376	22.206	2.1119	1.0143	1.0435
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0579**	**1.9734**	F **3.4162**	**.50314**	**.52214**	**.48404**
Stddev	.0010	.0107	.0219	.00058	.00122	.00339
%RSD	.09965	.54157	.64177	.11498	.23410	.70129
#1	1.0587	1.9810	3.4317	.50273	.52300	.48164
#2	1.0572	1.9658	3.4007	.50355	.52128	.48644
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.0**	**77050.**	**6351.3**
Stddev	44.7	315.	7.1
%RSD	.64999	.40862	.11243
#1	6851.4	76827.	6346.2
#2	6914.7	77272.	6356.3

Sample Name: 280-48908-h-2-e Acquired: 11/15/2013 5:17:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.01921**	**-.00127**	**.05434**	**.06039**	**.00009**	**.00307**	**53.865**	**.00054**	**.00470**
Stddev	.00009	.00016	.00065	.00076	.00066	.00004	.00068	.024	.00023	.00027
%RSD	14.214	.81860	51.097	1.3947	1.0908	50.174	22.193	.04479	42.427	5.7488
#1	-.00059	.01910	-.00081	.05488	.05992	.00006	.00355	53.848	.00038	.00489
#2	-.00072	.01932	-.00173	.05381	.06085	.00012	.00259	53.882	.00070	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00083**	**.08034**	**1.8899**	**.00457**	**4.3500**	**.10210**	**.00411**	**16.845**	**.00750**
Stddev	.00007	.00025	.00260	.0153	.00132	.0228	.00009	.00044	.099	.00042
%RSD	70.725	29.845	3.2369	.80897	28.889	.52437	.09002	10.675	.58530	5.6147
#1	.00005	.00101	.08218	1.9007	.00364	4.3339	.10217	.00380	16.914	.00780
#2	.00016	.00066	.07850	1.8790	.00551	4.3661	.10204	.00442	16.775	.00720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00640**	**-.00051**	**3.1522**	**-.00132**	**.00132**	**8.8000**	**18.832**	**.00044**	**.23863**	**.00453**
Stddev	.00003	.00083	.0017	.00013	.00097	.0089	.019	.00027	.00044	.00068
%RSD	.42390	161.60	.05379	9.5209	73.652	.10141	.10141	60.201	.18334	14.913
#1	.00642	-.00110	3.1534	-.00141	.00201	8.8063	18.845	.00063	.23832	.00501
#2	.00638	.00007	3.1510	-.00123	.00063	8.7937	18.818	.00026	.23894	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00117**	W **-.05515**	**.00062**	**.01698**	**-.00040**
Stddev	.00008	.00072	.02572	.00033	.00034	.00040
%RSD	15.895	61.287	46.638	52.081	2.0029	100.37
#1	.00047	.00168	-.03697	.00085	.01674	-.00012
#2	.00059	.00067	-.07334	.00039	.01722	-.00069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.3**	**79359.**	**6451.4**
Stddev	25.6	182.	30.2
%RSD	.36352	.22909	.46879
#1	7015.2	79488.	6472.8
#2	7051.4	79231.	6430.0

Sample Name: 280-48908-h-2-eSD@5 Acquired: 11/15/2013 5:19:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.00863**	**-.00169**	**.01102**	**.01280**	**.00009**	**.00283**	**10.881**	**-.00006**	**.00081**
Stddev	.00018	.00027	.00143	.00048	.00008	.00002	.00053	.028	.00016	.00007
%RSD	12.223	3.1112	84.343	4.3816	.65908	24.486	18.653	.25783	288.03	8.7685
#1	-.00134	.00882	-.00270	.01068	.01274	.00008	.00245	10.861	.00006	.00076
#2	-.00159	.00844	-.00068	.01136	.01285	.00011	.00320	10.901	-.00017	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00067**	**.02359**	**.41250**	**.00135**	**.89269**	**.02099**	**.00059**	**3.1723**	**.00114**
Stddev	.00004	.00026	.00104	.02832	.00197	.00295	.00016	.00014	.0014	.00005
%RSD	70.273	39.470	4.4127	6.8654	146.68	.33071	.78309	23.484	.04348	3.9732
#1	.00008	-.00048	.02432	.39248	.00274	.89061	.02087	.00069	3.1714	.00117
#2	.00003	-.00086	.02285	.43253	-.00005	.89478	.02111	.00049	3.1733	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**-.00045**	**.61235**	**.00092**	**-.00140**	**1.7445**	**3.7331**	**.00045**	**.04789**	**.00097**
Stddev	.00006	.00022	.00109	.00270	.00070	.0267	.0571	.00015	.00017	.00050
%RSD	3.2491	49.176	.17794	292.68	50.187	1.5310	1.5310	32.517	.36402	51.516
#1	.00175	-.00061	.61158	-.00099	-.00190	1.7256	3.6927	.00056	.04777	.00062
#2	.00167	-.00030	.61312	.00284	-.00091	1.7633	3.7736	.00035	.04801	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00137**	**-.03919**	**.00021**	**.00885**	**-.00047**
Stddev	.00025	.00055	.01180	.00013	.00030	.00104
%RSD	410.23	40.432	30.109	61.680	3.4470	221.24
#1	-.00023	.00098	-.04753	.00031	.00906	.00027
#2	.00011	.00176	-.03085	.00012	.00863	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7063.0**	**79117.**	**6268.9**
Stddev	24.6	546.	13.9
%RSD	.34808	.68987	.22120
#1	7045.7	78731.	6278.7
#2	7080.4	79503.	6259.1

Sample Name: 280-48908-h-2-f ms Acquired: 11/15/2013 5:22:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05252**	**1.9780**	**1.0292**	**1.0999**	**2.0519**	**.04587**	F **2.1165**	**99.637**	**.09621**	**.47807**
Stddev	.00001	.0008	.0035	.0015	.0042	.00056	.0073	.281	.00022	.00036
%RSD	.01872	.04247	.33930	.14017	.20210	1.2144	.34541	.28184	.23362	.07520
#1	.05252	1.9774	1.0317	1.0988	2.0548	.04626	2.1217	99.835	.09637	.47833
#2	.05253	1.9786	1.0267	1.1010	2.0489	.04547	2.1114	99.438	.09605	.47782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20754**	**.24690**	**1.0459**	**50.830**	**1.0008**	**54.551**	**.58274**	**1.0206**	**68.327**	**.51260**
Stddev	.00017	.00049	.0150	.140	.0028	.202	.00067	.0006	1.117	.00033
%RSD	.08300	.19772	1.4300	.27614	.28072	.37042	.11416	.06118	1.6353	.06458
#1	.20742	.24656	1.0565	50.929	1.0028	54.694	.58321	1.0210	69.117	.51236
#2	.20766	.24725	1.0354	50.730	.99881	54.408	.58227	1.0201	67.537	.51283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.495**	**.44874**	**3.3097**	**.50290**	**2.0942**	**19.147**	**40.976**	**1.9830**	**1.2126**	**.99274**
Stddev	.019	.00265	.0138	.00398	.0066	.204	.437	.0015	.0006	.00871
%RSD	.17910	.59115	.41690	.79120	.31296	1.0676	1.0676	.07653	.04950	.87751
#1	10.508	.44687	3.3195	.50572	2.0895	19.292	41.285	1.9840	1.2130	.99890
#2	10.481	.45062	3.3000	.50009	2.0988	19.003	40.666	1.9819	1.2122	.98658
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**1.8372**	**3.2062**	**.47703**	**.50479**	**.46117**
Stddev	.0000	.0048	.0425	.00042	.00398	.00072
%RSD	.00192	.26151	1.3241	.08777	.78889	.15538
#1	1.0014	1.8406	3.1762	.47733	.50761	.46066
#2	1.0014	1.8338	3.2363	.47674	.50198	.46167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6906.3**	**76854.**	**6309.7**
Stddev	14.6	700.	17.4
%RSD	.21084	.91035	.27499
#1	6916.6	76360.	6322.0
#2	6896.0	77349.	6297.5

Sample Name: 280-48908-h-2-g msd Acquired: 11/15/2013 5:24:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05080**	**1.9389**	**1.0001**	**1.0735**	**2.0004**	**.04484**	F **2.0501**	**96.456**	**.09333**	**.46523**
Stddev	.00015	.0037	.0019	.0003	.0018	.00014	.0026	.110	.00041	.00024
%RSD	.28546	.19114	.18498	.02406	.09063	.32068	.12725	.11420	.43980	.05057
#1	.05090	1.9415	1.0014	1.0733	2.0017	.04474	2.0520	96.534	.09304	.46540
#2	.05070	1.9363	.99881	1.0737	1.9991	.04494	2.0483	96.378	.09362	.46507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20194**	**.24083**	**1.0122**	**49.702**	**.97733**	**53.235**	**.56716**	**.99470**	**66.671**	**.49974**
Stddev	.00053	.00019	.0025	.009	.00160	.190	.00165	.00175	.261	.00074
%RSD	.26057	.08075	.24372	.01875	.16420	.35673	.29083	.17558	.39077	.14819
#1	.20231	.24070	1.0104	49.709	.97846	53.101	.56599	.99594	66.855	.50026
#2	.20157	.24097	1.0139	49.696	.97619	53.370	.56833	.99347	66.486	.49921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.218**	**.43844**	**3.1737**	**.48911**	**2.0352**	**18.659**	**39.931**	**1.9366**	**1.1792**	**.96433**
Stddev	.000	.00042	.0025	.00064	.0037	.113	.243	.0001	.0005	.00232
%RSD	.00061	.09604	.07901	.13128	.18275	.60815	.60815	.00311	.04144	.24064
#1	10.218	.43874	3.1720	.48866	2.0379	18.740	40.103	1.9365	1.1795	.96597
#2	10.218	.43814	3.1755	.48956	2.0326	18.579	39.759	1.9366	1.1789	.96269
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97518**	**1.7924**	**3.1445**	**.46384**	**.49040**	**.45471**
Stddev	.00056	.0006	.0089	.00047	.00287	.00002
%RSD	.05788	.03512	.28477	.10103	.58515	.00395
#1	.97478	1.7929	3.1381	.46350	.48837	.45472
#2	.97558	1.7920	3.1508	.46417	.49242	.45470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6858.6**	**76872.**	**6402.7**
Stddev	1.4	329.	13.6
%RSD	.02104	.42839	.21256
#1	6859.7	77105.	6393.1
#2	6857.6	76639.	6412.4

Sample Name: 280-48908-h-2-ePDS Acquired: 11/15/2013 5:26:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04730**	**1.0913**	**.21615**	**.15994**	**.16261**	**.04815**	**-.00083**	**70.704**	**.05158**	**.05486**
Stddev	.00002	.0022	.00140	.00010	.00122	.00014	.00080	.452	.00002	.00010
%RSD	.05230	.19657	.64731	.05948	.75230	.28306	96.589	.63875	.03515	.18060
#1	.04732	1.0898	.21714	.16001	.16174	.04824	-.00139	71.023	.05159	.05479
#2	.04728	1.0929	.21516	.15987	.16347	.04805	-.00026	70.385	.05156	.05493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05523**	**.05234**	**1.0985**	**22.144**	**.10823**	**25.081**	**.14935**	**.05491**	**37.962**	**.06103**
Stddev	.00003	.00003	.0012	.078	.00031	.139	.00028	.00016	.191	.00044
%RSD	.04720	.06218	.10570	.35189	.28580	.55260	.18760	.28239	.50214	.71349
#1	.05525	.05232	1.0977	22.199	.10845	24.983	.14915	.05502	37.827	.06134
#2	.05521	.05237	1.0994	22.089	.10801	25.179	.14955	.05480	38.097	.06072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2287**	**.09548**	**3.1037**	**.10095**	**.21816**	**13.680**	**29.275**	**.10170**	**.28250**	**.20955**
Stddev	.0020	.00021	.0075	.00007	.00062	.019	.042	.00001	.00080	.00138
%RSD	.09064	.21794	.24032	.07164	.28569	.14229	.14229	.00619	.28266	.65879
#1	2.2301	.09533	3.1090	.10100	.21772	13.666	29.245	.10170	.28306	.20858
#2	2.2273	.09563	3.0984	.10090	.21860	13.694	29.304	.10169	.28193	.21053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**.20096**	**.79609**	**.05063**	**.22680**	**.04309**
Stddev	.00000	.00028	.04144	.00143	.00163	.00104
%RSD	.00092	.13858	5.2052	2.8232	.71876	2.4168
#1	.05122	.20077	.82539	.04962	.22565	.04235
#2	.05122	.20116	.76679	.05164	.22796	.04383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.4**	**78167.**	**6387.9**
Stddev	10.4	188.	47.2
%RSD	.14894	.24085	.73923
#1	6982.1	78300.	6354.5
#2	6996.8	78034.	6421.2

Sample Name: 280-49096-g-3-b Acquired: 11/15/2013 5:28:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.46625**	**-.00237**	**.00922**	**.03737**	**.00019**	**.00194**	**.47035**	**-.00005**	**.00123**
Stddev	.00065	.00227	.00274	.00037	.00052	.00001	.00134	.01112	.00006	.00019
%RSD	42.378	.48734	115.67	4.0289	1.3899	6.2758	69.074	2.3644	117.54	15.502
#1	-.00200	.46786	-.00043	.00896	.03774	.00020	.00289	.46249	-.00001	.00109
#2	-.00108	.46465	-.00430	.00949	.03701	.00018	.00099	.47822	-.00009	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00098**	**.74099**	**.94935**	**.00301**	**1.0833**	**.00664**	**.00014**	**18.667**	**.00206**
Stddev	.00004	.00026	.00610	.04388	.00022	.0048	.00002	.00026	.077	.00010
%RSD	3.3431	26.647	.82304	4.6220	7.4266	.44456	.23048	193.87	.41107	4.9925
#1	.00123	.00080	.74531	.98038	.00317	1.0799	.00665	.00032	18.721	.00213
#2	.00129	.00117	.73668	.91833	.00285	1.0867	.00663	-.00005	18.613	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01210**	**-.00043**	**.79822**	**-.00044**	**-.00053**	**6.0349**	**12.915**	**-.00046**	**.00547**	**.00339**
Stddev	.00035	.00051	.00505	.00044	.00272	.0062	.013	.00040	.00013	.00164
%RSD	2.8688	118.48	.63259	99.702	515.89	.10238	.10238	87.000	2.3658	48.459
#1	.01234	-.00007	.80179	-.00013	.00140	6.0305	12.905	-.00075	.00556	.00223
#2	.01185	-.00079	.79465	-.00075	-.00245	6.0392	12.924	-.00018	.00538	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**.00028**	W **-.05118**	**.00161**	**.00861**	**.00051**
Stddev	.00081	.00022	.04545	.00004	.00026	.00003
%RSD	12.352	79.842	88.808	2.5818	2.9866	5.5001
#1	.00712	.00012	-.01904	.00159	.00879	.00053
#2	.00598	.00044	-.08332	.00164	.00842	.00049
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7164.5**	**80637.**	**6455.7**
Stddev	6.4	531.	9.2
%RSD	.08901	.65904	.14302
#1	7169.1	81013.	6449.1
#2	7160.0	80261.	6462.2

Sample Name: CCVH-2372891 Acquired: 11/15/2013 5:30:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00698**	**48.233**	**-.00077**	**.00251**	**.00059**	**-.00004**	W **1.0684**	**.01583**	**.00086**	**-.00094**	**.00025**	**-.00721**
Stddev	.00002	.001	.00191	.00072	.00014	.00008	.0035	.00147	.00017	.00010	.00003	.00004
%RSD	.29017	.00122	248.87	28.511	24.323	179.05	.33159	9.2637	20.045	10.701	10.789	.52246
#1	-.00697	48.233	.00058	.00302	.00070	-.00010	1.0709	.01687	.00074	-.00101	.00026	-.00718
#2	-.00699	48.232	-.00212	.00201	.00049	.00001	1.0659	.01480	.00098	-.00087	.00023	-.00723
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.248**	**.10040**	**.00344**	**.05578**	**-.00011**	**.00053**	**259.28**	**-.00102**	**.00394**	**-.00249**	**5.0757**	**.00189**
Stddev	.105	.03593	.00013	.00301	.00007	.00013	.42	.00032	.00117	.00097	.0040	.00116
%RSD	.20809	35.782	3.8255	5.3881	70.170	24.025	.16018	31.717	29.658	38.844	.07789	61.377
#1	50.174	.07500	.00335	.05366	-.00016	.00044	258.99	-.00125	.00477	-.00318	5.0729	.00107
#2	50.322	.12581	.00354	.05791	-.00005	.00061	259.57	-.00079	.00311	-.00181	5.0785	.00272
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00566**	**.01333**	**.02854**	**-.00033**	**-.00008**	**5.1318**	**.01312**	**.00248**	F **8.1950**	**.00086**	**.00299**	**-.07638**
Stddev	.00064	.01158	.02478	.00009	.00001	.0143	.00002	.00082	.0164	.00073	.00003	.00055
%RSD	11.248	86.856	86.856	28.348	12.409	.27905	.16767	33.083	.20020	84.953	1.1385	.72136
#1	-.00611	.02152	.04606	-.00040	-.00009	5.1217	.01314	.00306	8.1834	.00138	.00297	-.07600
#2	-.00521	.00514	.01101	-.00026	-.00007	5.1420	.01311	.00190	8.2066	.00034	.00301	-.07677
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.8**	**76683.**	**6369.2**
Stddev	6.7	100.	17.2
%RSD	.09602	.13050	.27063
#1	6926.1	76753.	6381.4
#2	6935.5	76612.	6357.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 5:33:21 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54781**	W **.55030**	**1.0476**	**.53153**	**.51224**	**.46897**	**-.00985**	**4.6707**	**.49131**	**.50883**	**.53769**	**.51096**
Stddev	.00172	.00079	.0024	.00167	.00150	.00143	.00194	.0111	.00019	.00095	.00066	.00178
%RSD	.31318	.14282	.22753	.31409	.29254	.30439	19.727	.23697	.03771	.18598	.12235	.34841
#1	.54902	.54975	1.0493	.53035	.51118	.46796	-.00848	4.6629	.49118	.50816	.53723	.51221
#2	.54660	.55086	1.0459	.53271	.51330	.46998	-.01123	4.6785	.49144	.50950	.53816	.50970
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5663**	**49.655**	**1.0155**	**20.967**	**.50623**	**.52531**	**5.2211**	**.54342**	**1.0492**	**.97347**	**-.00041**	**1.0231**
Stddev	.0074	.354	.0047	.041	.00070	.00268	.0057	.00028	.0024	.00040	.00008	.0016
%RSD	.28888	.71211	.46523	.19421	.13734	.51061	.10998	.05110	.23388	.04087	18.999	.15573
#1	2.5610	49.404	1.0121	20.996	.50672	.52341	5.2251	.54322	1.0474	.97319	-.00036	1.0243
#2	2.5715	49.905	1.0188	20.939	.50573	.52721	5.2170	.54362	1.0509	.97375	-.00047	1.0220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0666**	**5.0158**	**10.734**	**1.0419**	**.49771**	**.00548**	**.51388**	**1.0037**	**-.02135**	**.49285**	**.52369**	**.48618**
Stddev	.0012	.0514	.110	.0014	.00233	.00058	.00136	.0015	.03063	.00177	.00111	.00249
%RSD	.11335	1.0244	1.0244	.13514	.46840	10.582	.26484	.15324	143.42	.35889	.21212	.51158
#1	1.0675	4.9794	10.656	1.0409	.49606	.00507	.51484	1.0026	.00030	.49160	.52447	.48443
#2	1.0657	5.0521	10.811	1.0429	.49936	.00588	.51292	1.0048	-.04301	.49410	.52290	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7007.9**	**78371.**	**6295.2**
Stddev	7.5	10.	82.3
%RSD	.10715	.01273	1.3070
#1	7013.2	78364.	6353.4
#2	7002.5	78378.	6237.0

Sample Name: CCB Acquired: 11/15/2013 5:35:28 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.00004**	**-.00164**	**.00202**	**.00044**	**.00004**	**.00264**	**-.00295**	**.00004**	**.00001**	**-.00002**	**-.00052**
Stddev	.00003	.00020	.00109	.00003	.00001	.00000	.00017	.00066	.00012	.00022	.00002	.00071
%RSD	3.6640	496.85	66.568	1.6883	3.3224	6.7284	6.3806	22.394	266.18	2105.7	139.14	138.25
#1	-.00081	-.00019	-.00087	.00200	.00043	.00004	.00276	-.00248	.00013	.00017	.00000	-.00001
#2	-.00085	.00010	-.00241	.00204	.00045	.00004	.00252	-.00341	-.00004	-.00015	-.00003	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.08281**	**.00235**	**.00137**	**.00004**	**.00018**	W **.09901**	**-.00024**	**.00003**	**.00000**	**.00402**	W **.00571**
Stddev	.00218	.00574	.00219	.00106	.00005	.00001	.00084	.00012	.00071	.00187	.00317	.00069
%RSD	570.76	6.9294	93.227	77.296	137.15	7.9412	.85329	51.614	2324.5	64249.	78.852	12.030
#1	.00193	.08687	.00390	.00062	.00007	.00019	.09961	-.00033	-.00047	.00133	.00178	.00523
#2	-.00116	.07875	.00080	.00212	.00000	.00017	.09841	-.00015	.00053	-.00132	.00626	.00620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00354**	**.01213**	**.02595**	**-.00006**	**-.00010**	**.00327**	**.00023**	**-.00020**	**-.02866**	**.00030**	**.00334**	**-.00174**
Stddev	.00154	.01538	.03291	.00066	.00014	.00169	.00013	.00046	.02685	.00003	.00063	.00037
%RSD	43.447	126.80	126.80	1018.0	137.47	51.741	57.397	231.44	93.683	8.7185	18.930	21.494
#1	.00463	.00125	.00268	.00040	-.00020	.00207	.00032	.00013	-.00967	.00032	.00290	-.00148
#2	.00245	.02300	.04922	-.00053	.00000	.00446	.00014	-.00052	-.04764	.00028	.00379	-.00201
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.2**	**79391.**	**6193.3**
Stddev	.8	184.	22.9
%RSD	.01092	.23236	.36963
#1	7010.7	79522.	6177.1
#2	7009.6	79261.	6209.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 5:37:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01032**	**.11413**	**.01399**	**.10652**	**.01044**	**.00100**	**.11999**	**.19036**	**.00484**	**.01028**	**.01087**	**.01464**	**.10286**
Stddev	.00065	.00036	.00161	.00058	.00025	.00002	.00077	.00219	.00013	.00007	.00004	.00042	.00160
%RSD	6.2588	.31363	11.522	.54017	2.4200	1.7445	.64404	1.1495	2.6380	.65272	.33839	2.8476	1.5601
#1	.01078	.11387	.01285	.10692	.01062	.00102	.11945	.18882	.00475	.01023	.01084	.01493	.10173
#2	.00987	.11438	.01513	.10611	.01026	.00099	.12054	.19191	.00493	.01033	.01089	.01434	.10400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0290**	**.01138**	**.22005**	**.01032**	**.02058**	**1.1183**	**.04484**	**3.1129**	**.00920**	**.00135**	**.00949**	**.01492**	**.48948**
Stddev	.0145	.00107	.00215	.00001	.00024	.0037	.00029	.0057	.00042	.00075	.00055	.00118	.00362
%RSD	.47995	9.4333	.97550	.06379	1.1462	.32886	.64644	.18257	4.5455	55.805	5.7432	7.8896	.73977
#1	3.0187	.01214	.22156	.01032	.02075	1.1157	.04504	3.1169	.00890	.00188	.00911	.01575	.49204
#2	3.0393	.01062	.21853	.01031	.02042	1.1209	.04463	3.1089	.00949	.00082	.00988	.01409	.48692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0475**	**.10778**	**.00984**	**.01587**	**.00977**	**.01686**	F **.09011**	**.00984**	**.02587**	**.01387**
Stddev	.0077	.00029	.00010	.00072	.00014	.00039	.01223	.00033	.00037	.00017
%RSD	.73977	.26498	1.0167	4.5505	1.4653	2.3239	13.568	3.3469	1.4188	1.2450
#1	1.0530	.10799	.00991	.01638	.00967	.01659	.09876	.00961	.02613	.01375
#2	1.0420	.10758	.00977	.01536	.00987	.01714	.08147	.01007	.02561	.01399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7184.5**	**81490.**	**6409.6**
Stddev	17.4	85.	48.6
%RSD	.24275	.10393	.75759
#1	7196.8	81550.	6375.3
#2	7172.2	81431.	6444.0

Sample Name: mb 280-200652/1-a Acquired: 11/15/2013 5:40:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	W **.05833**	**-.00321**	**.02245**	**.00117**	**-.00001**	**.00265**	F **.63495**	**.00007**	**-.00010**
Stddev	.00039	.00026	.00063	.00042	.00029	.00006	.00026	.00709	.00005	.00021
%RSD	49.890	.43907	19.468	1.8881	24.680	914.23	9.7350	1.1166	72.555	206.89
#1	-.00050	.05851	-.00365	.02275	.00097	.00004	.00247	.63996	.00003	-.00025
#2	-.00104	.05815	-.00277	.02215	.00138	-.00005	.00283	.62993	.00011	.00005
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.05000						.20000		
Low Limit		-.05000						-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00040**	**.04751**	**.08022**	**.00112**	**.07554**	**.00140**	**-.00011**	**.15049**	**.00009**
Stddev	.00019	.00017	.00057	.02595	.00004	.00207	.00001	.00002	.01617	.00007
%RSD	52.968	42.368	1.1946	32.356	3.5862	2.7429	.87879	15.150	10.742	69.972
#1	.00022	-.00028	.04791	.06186	.00110	.07701	.00139	-.00010	.16192	.00014
#2	.00048	-.00052	.04711	.09857	.00115	.07407	.00141	-.00012	.13906	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**-.00045**	**.01342**	**-.00134**	**-.00064**	**.07006**	**.14993**	**.00468**	**.00145**	**.00467**
Stddev	.00019	.00002	.00200	.00137	.00322	.00469	.01003	.00003	.00009	.00077
%RSD	3.9778	3.7328	14.863	102.54	502.57	6.6886	6.6886	.63849	6.3549	16.546
#1	.00467	-.00046	.01483	-.00231	-.00291	.07337	.15702	.00470	.00152	.00412
#2	.00494	-.00044	.01201	-.00037	.00163	.06675	.14284	.00466	.00139	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**-.00061**	F **-.06132**	**.00051**	**.00469**	**-.00075**
Stddev	.00040	.00048	.02529	.00013	.00022	.00049
%RSD	42.030	79.767	41.249	26.200	4.7052	66.169
#1	.00067	-.00026	-.07921	.00041	.00453	-.00040
#2	.00124	-.00095	-.04344	.00060	.00484	-.00109
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.06000			
Low Limit			-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7091.8**	**80403.**	**6320.5**
Stddev	22.3	162.	7.2
%RSD	.31427	.20149	.11388
#1	7107.5	80288.	6315.4
#2	7076.0	80517.	6325.6

Sample Name: lcs 280-200652/2-a Acquired: 11/15/2013 5:42:26 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05059**	**2.1106**	**1.0161**	F **1.1301**	**1.9948**	**.04541**	**2.0819**	**45.038**	**.09488**	**.48372**
Stddev	.00031	.0059	.0014	.0005	.0005	.00013	.0036	.132	.00005	.00083
%RSD	.61459	.27705	.13824	.04261	.02324	.29606	.17229	.29372	.05286	.17259
#1	.05037	2.1148	1.0171	1.1304	1.9951	.04532	2.0845	44.945	.09491	.48431
#2	.05081	2.1065	1.0151	1.1297	1.9944	.04551	2.0794	45.132	.09484	.48313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21155**	**.24656**	**1.0462**	**48.632**	**.99003**	**50.289**	**.48776**	**1.0360**	**50.976**	**.51592**
Stddev	.00043	.00069	.0022	.129	.00179	.198	.00110	.0005	.164	.00086
%RSD	.20275	.27805	.21107	.26606	.18123	.39322	.22611	.05169	.32165	.16727
#1	.21186	.24608	1.0478	48.540	.98876	50.149	.48698	1.0363	51.092	.51653
#2	.21125	.24705	1.0446	48.723	.99130	50.429	.48854	1.0356	50.860	.51531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.332**	**.45660**	**.00634**	**.48269**	**2.0435**	**4.9156**	**10.519**	**2.0139**	**.96793**	**1.0019**
Stddev	.007	.00079	.00107	.00328	.0088	.0281	.060	.0073	.00064	.0019
%RSD	.06647	.17222	16.797	.67874	.42959	.57136	.57136	.36276	.06607	.19284
#1	10.337	.45716	.00710	.48500	2.0497	4.8958	10.477	2.0191	.96839	1.0006
#2	10.327	.45605	.00559	.48037	2.0372	4.9355	10.562	2.0087	.96748	1.0033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0165**	**1.8660**	F **3.2508**	**.48453**	**.49692**	**.45899**
Stddev	.0011	.0080	.0426	.00259	.00226	.00226
%RSD	.10990	.42879	1.3116	.53537	.45549	.49265
#1	1.0157	1.8717	3.2207	.48270	.49532	.46059
#2	1.0173	1.8603	3.2810	.48636	.49852	.45739
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6779.1**	**76225.**	**6231.7**
Stddev	10.2	505.	40.3
%RSD	.15024	.66207	.64690
#1	6771.9	76582.	6203.2
#2	6786.3	75868.	6260.2

Sample Name: 280-48953-a-1-c Acquired: 11/15/2013 5:44:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**214.35**	**.10614**	**.43717**	**3.3031**	**.00998**	W **-.06841**	RF **1378.7**	**.00890**	**.07068**
Stddev	.00053	.58	.00242	.00160	.0087	.00002	.00193	1.4	.00006	.00009
%RSD	35.073	.26930	2.2814	.36676	.26354	.17665	2.8217	.10107	.71386	.13420
#1	-.00114	214.76	.10443	.43831	3.3093	.01000	-.06704	1377.8	.00885	.07075
#2	-.00190	213.95	.10785	.43604	3.2970	.00997	-.06977	1379.7	.00894	.07061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22121**	**.19754**	**185.63**	**77.663**	**.74217**	**268.56**	**5.8210**	**.02686**	**16.628**	**.20961**
Stddev	.00006	.00136	.16	.307	.00421	3.45	.0239	.00030	.198	.00006
%RSD	.02669	.68673	.08813	.39518	.56762	1.2836	.41061	1.1325	1.1896	.02889
#1	.22125	.19850	185.75	77.880	.74515	266.12	5.8379	.02665	16.768	.20966
#2	.22117	.19658	185.52	77.446	.73919	271.00	5.8041	.02708	16.488	.20957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.642**	**.14456**	**4.5682**	**.01485**	**.01554**	**2.3598**	**5.0499**	**.01639**	**4.4262**	**.09491**
Stddev	.016	.00164	.0036	.00079	.00220	.0452	.0968	.00051	.0005	.00039
%RSD	.14637	1.1333	.07887	5.3384	14.178	1.9163	1.9163	3.0827	.01105	.41186
#1	10.653	.14340	4.5707	.01429	.01398	2.3278	4.9815	.01674	4.4258	.09519
#2	10.631	.14571	4.5656	.01541	.01710	2.3917	5.1183	.01603	4.4265	.09464
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7492**	**-.00108**	F **-.44709**	**.29082**	**.72867**	**.30957**
Stddev	.0069	.00048	.02333	.00025	.00287	.00204
%RSD	.18500	44.730	5.2188	.08672	.39446	.65932
#1	3.7541	-.00074	-.46359	.29065	.73070	.31101
#2	3.7443	-.00142	-.43059	.29100	.72664	.30812
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7397.0**	**81198.**	**7477.9**
Stddev	11.2	259.	31.2
%RSD	.15148	.31945	.41752
#1	7404.9	81381.	7455.8
#2	7389.0	81014.	7500.0

Sample Name: 280-48953-a-2-c Acquired: 11/15/2013 5:47:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**106.33**	**.09599**	**.18288**	**1.8915**	**.00459**	**-.02585**	RF **1908.0**	**.00646**	**.03715**
Stddev	.00011	.22	.00235	.00168	.0036	.00005	.00161	28.9	.00011	.00017
%RSD	6.7448	.20975	2.4480	.92047	.19226	1.1621	6.2259	1.5156	1.7414	.44490
#1	-.00162	106.49	.09432	.18407	1.8941	.00463	-.02699	1928.4	.00654	.03703
#2	-.00178	106.17	.09765	.18169	1.8889	.00455	-.02471	1887.5	.00638	.03726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17831**	**.10929**	**104.76**	**34.082**	**.39690**	**131.11**	**2.3245**	**.11465**	**6.8346**	**.19309**
Stddev	.00006	.00066	.25	.116	.00037	.30	.0033	.00038	.0205	.00108
%RSD	.03265	.60745	.24203	.33981	.09295	.22725	.14278	.33474	.30018	.55813
#1	.17835	.10882	104.94	34.164	.39664	131.32	2.3269	.11492	6.8200	.19385
#2	.17827	.10976	104.58	34.001	.39716	130.90	2.3222	.11438	6.8491	.19233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.6987**	**.05421**	**3.6443**	**.02031**	**.00818**	**1.3617**	**2.9141**	**.00853**	W **5.4767**	**.04342**
Stddev	.0222	.00034	.0264	.00305	.00692	.0350	.0749	.00006	.1133	.00461
%RSD	.38944	.63388	.72469	15.007	84.566	2.5703	2.5703	.73574	2.0686	10.626
#1	5.7144	.05397	3.6629	.02246	.01307	1.3865	2.9671	.00857	5.5568	.04016
#2	5.6830	.05446	3.6256	.01815	.00329	1.3370	2.8612	.00848	5.3965	.04668
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8811**	**.00016**	F **-.27953**	**.20139**	**.42694**	**.14458**
Stddev	.0029	.00068	.01396	.00022	.00258	.00068
%RSD	.15267	436.64	4.9945	.10822	.60403	.47258
#1	1.8831	.00064	-.28940	.20154	.42877	.14506
#2	1.8790	-.00032	-.26966	.20123	.42512	.14410
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.1**	**75452.**	**6866.3**
Stddev	19.0	89.	27.0
%RSD	.27671	.11762	.39319
#1	6896.6	75389.	6847.3
#2	6869.6	75515.	6885.4

Sample Name: 280-48953-a-2-cSD@5 Acquired: 11/15/2013 5:50:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**22.415**	**.01959**	**.04231**	**.40696**	**.00096**	**-.00547**	**451.47**	**.00161**	**.00861**
Stddev	.00043	.644	.00173	.00045	.00854	.00005	.00007	1.33	.00024	.00004
%RSD	32.780	2.8742	8.8396	1.0563	2.0995	5.3234	1.2317	.29476	15.178	.42642
#1	-.00100	21.960	.02081	.04199	.40092	.00092	-.00551	450.53	.00178	.00858
#2	-.00161	22.871	.01836	.04263	.41300	.00100	-.00542	452.42	.00144	.00864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03974**	**.02294**	**23.596**	**7.0824**	**.08192**	**29.337**	**.51650**	**.02554**	**1.5818**	**.04450**
Stddev	.00006	.00029	.512	.0873	.00106	.141	.00180	.00019	.0349	.00024
%RSD	.15846	1.2790	2.1708	1.2324	1.2996	.48188	.34881	.75675	2.2085	.52911
#1	.03970	.02315	23.233	7.0207	.08116	29.237	.51522	.02540	1.5571	.04434
#2	.03979	.02273	23.958	7.1442	.08267	29.437	.51777	.02567	1.6065	.04467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1957**	**.01283**	**.72428**	**.00331**	**.00149**	**.28227**	**.60406**	**.00327**	**1.1848**	**.01067**
Stddev	.0008	.00163	.00062	.00046	.00170	.00937	.02004	.00072	.0259	.00241
%RSD	.06297	12.713	.08543	14.006	113.92	3.3179	3.3179	21.952	2.1851	22.553
#1	1.1951	.01168	.72384	.00298	.00029	.27565	.58989	.00377	1.1665	.01237
#2	1.1962	.01398	.72471	.00363	.00269	.28889	.61823	.00276	1.2031	.00897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40582**	**.00110**	W **-.09485**	**.04301**	**.10343**	**.03123**
Stddev	.00049	.00102	.02770	.00013	.00144	.00249
%RSD	.12160	93.367	29.202	.31035	1.3956	7.9620
#1	.40617	.00182	-.11443	.04291	.10241	.02947
#2	.40547	.00037	-.07526	.04310	.10445	.03299
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6764.6**	**74890.**	**6326.5**
Stddev	20.4	429.	87.5
%RSD	.30084	.57313	1.3832
#1	6779.0	75193.	6388.4
#2	6750.2	74586.	6264.6

Sample Name: 280-48953-b-2-e ms Acquired: 11/15/2013 5:52:59 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03376**	**140.77**	**.74816**	**.83003**	**3.1901**	**.03244**	F **1.2392**	RF **1895.7**	**.06631**	**.30634**
Stddev	.00041	.35	.00039	.00258	.0103	.00028	.0071	25.4	.00006	.00070
%RSD	1.2134	.25171	.05227	.31106	.32324	.85571	.57634	1.3374	.09677	.22824
#1	.03347	140.52	.74844	.82821	3.1828	.03225	1.2341	1877.8	.06626	.30684
#2	.03405	141.02	.74789	.83186	3.1974	.03264	1.2442	1913.6	.06635	.30585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37445**	**.27778**	**116.06**	**74.025**	**1.0797**	**163.63**	**2.6749**	**.77066**	**40.586**	**.49412**
Stddev	.00002	.00094	.62	.348	.0049	.58	.0031	.00024	.209	.00077
%RSD	.00501	.33775	.53346	.46973	.45213	.35406	.11746	.03149	.51574	.15590
#1	.37447	.27844	115.62	73.779	1.0763	164.04	2.6727	.77084	40.734	.49357
#2	.37444	.27712	116.50	74.270	1.0832	163.22	2.6771	.77049	40.438	.49466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.193**	**.30445**	**3.6319**	**.11335**	**1.2954**	**2.9959**	**6.4112**	**1.0687**	W **5.9851**	**.65987**
Stddev	.037	.00070	.0221	.00210	.0067	.0446	.0954	.0058	.1467	.00199
%RSD	.30024	.23023	.60744	1.8500	.51435	1.4888	1.4888	.53971	2.4517	.30115
#1	12.167	.30494	3.6163	.11483	1.3001	2.9644	6.3437	1.0727	6.0888	.66128
#2	12.219	.30395	3.6475	.11186	1.2907	3.0274	6.4787	1.0646	5.8813	.65847
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3784**	**.94334**	**1.7228**	**.55665**	**.73699**	**.44439**
Stddev	.0035	.00640	.0006	.00095	.00186	.00360
%RSD	.10331	.67816	.03243	.17005	.25257	.81005
#1	3.3809	.94787	1.7224	.55732	.73831	.44184
#2	3.3759	.93882	1.7232	.55598	.73568	.44693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6821.1**	**74269.**	**6731.9**
Stddev	31.3	61.	39.4
%RSD	.45865	.08157	.58575
#1	6799.0	74311.	6704.0
#2	6843.2	74226.	6759.7

Sample Name: 280-48953-b-2-f msd Acquired: 11/15/2013 5:56:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03906**	**163.44**	**.88520**	**.95571**	**3.8149**	**.03753**	F **1.4554**	RF **2218.3**	**.07755**	**.35033**
Stddev	.00003	.29	.00122	.00105	.0036	.00013	.0063	6.0	.00008	.00128
%RSD	.08404	.17788	.13737	.10988	.09436	.33504	.43438	.26949	.10531	.36581
#1	.03909	163.65	.88606	.95645	3.8124	.03762	1.4599	2214.0	.07749	.35124
#2	.03904	163.24	.88434	.95496	3.8175	.03744	1.4509	2222.5	.07761	.34943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44787**	**.31742**	**134.08**	**87.293**	**1.2689**	**191.74**	**3.1038**	**.84806**	**47.253**	**.56496**
Stddev	.00050	.00214	.03	.101	.0002	1.44	.0211	.00217	.108	.00043
%RSD	.11076	.67562	.02234	.11519	.01919	.75321	.67885	.25559	.22895	.07543
#1	.44823	.31893	134.10	87.364	1.2687	190.72	3.0889	.84960	47.176	.56526
#2	.44752	.31590	134.06	87.222	1.2691	192.76	3.1187	.84653	47.329	.56466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.212**	**.34640**	**4.3990**	**.14790**	**1.5024**	**3.4191**	**7.3170**	**1.1598**	W **7.2302**	**.76173**
Stddev	.036	.00217	.0047	.00057	.0038	.0198	.0424	.0019	.0121	.00403
%RSD	.25194	.62738	.10597	.38221	.25548	.57954	.57954	.16783	.16772	.52924
#1	14.238	.34793	4.3957	.14830	1.4997	3.4331	7.3469	1.1611	7.2216	.76458
#2	14.187	.34486	4.4023	.14750	1.5051	3.4051	7.2870	1.1584	7.2388	.75888
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0217**	**1.0676**	**2.0075**	**.64373**	**.83773**	**.52106**
Stddev	.0034	.0085	.0234	.00150	.00013	.00103
%RSD	.08465	.79669	1.1675	.23362	.01504	.19772
#1	4.0241	1.0736	2.0241	.64479	.83782	.52178
#2	4.0193	1.0616	1.9909	.64267	.83764	.52033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6804.6**	**74941.**	**6901.9**
Stddev	27.2	49.	29.9
%RSD	.39958	.06564	.43393
#1	6785.4	74906.	6880.8
#2	6823.8	74976.	6923.1

Sample Name: 280-48953-a-2-cPDS Acquired: 11/15/2013 5:59:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04291**	**105.33**	**.28695**	**.27177**	**1.9668**	**.04412**	**-.02219**	RF **1902.0**	**.05084**	**.07598**
Stddev	.00070	.16	.00099	.00054	.0029	.00023	.00053	5.2	.00004	.00022
%RSD	1.6351	.14842	.34632	.19771	.14883	.51455	2.3662	.27491	.08024	.28583
#1	.04341	105.44	.28765	.27215	1.9647	.04428	-.02182	1898.3	.05082	.07613
#2	.04241	105.22	.28625	.27139	1.9689	.04396	-.02256	1905.7	.05087	.07582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21976**	**.15447**	**103.43**	**52.593**	**.48712**	**144.80**	**2.3279**	**.15734**	**25.763**	**.23079**
Stddev	.00048	.00060	.29	.046	.00024	1.40	.0029	.00061	.083	.00064
%RSD	.21916	.38629	.28246	.08709	.04965	.97013	.12296	.38468	.32307	.27729
#1	.21942	.15489	103.23	52.626	.48694	145.79	2.3299	.15777	25.822	.23034
#2	.22010	.15405	103.64	52.561	.48729	143.81	2.3259	.15691	25.704	.23124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5256**	**.12384**	**3.6139**	**.10713**	**.19766**	**5.7873**	**12.385**	**.09082**	W **5.4024**	**.21876**
Stddev	.0576	.00063	.0009	.00346	.00174	.0086	.018	.00141	.0201	.00015
%RSD	.76520	.51050	.02581	3.2339	.88201	.14942	.14942	1.5515	.37247	.06694
#1	7.4849	.12429	3.6133	.10468	.19889	5.7812	12.372	.08983	5.3881	.21866
#2	7.5663	.12339	3.6146	.10958	.19642	5.7934	12.398	.09182	5.4166	.21886
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8936**	**.13677**	**.55604**	**.24089**	**.57900**	**.18246**
Stddev	.0052	.00004	.02567	.00040	.00100	.00158
%RSD	.27563	.02734	4.6161	.16454	.17342	.86377
#1	1.8973	.13675	.57419	.24117	.57971	.18135
#2	1.8899	.13680	.53789	.24061	.57829	.18357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6853.1**	**75604.**	**6827.3**
Stddev	21.4	134.	71.3
%RSD	.31261	.17718	1.0441
#1	6868.3	75509.	6877.7
#2	6838.0	75698.	6776.9

Sample Name: 280-48953-a-3-c Acquired: 11/15/2013 6:02:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**184.38**	**.08956**	**.43491**	**3.1631**	**.00807**	W **-.07081**	RF **1040.3**	**.01080**	**.05542**
Stddev	.00040	.64	.00361	.00159	.0070	.00006	.00208	5.0	.00019	.00001
%RSD	34.701	.34826	4.0285	.36475	.22080	.71146	2.9316	.47944	1.7915	.01026
#1	-.00087	184.83	.08700	.43603	3.1680	.00803	-.06934	1036.8	.01066	.05542
#2	-.00144	183.93	.09211	.43379	3.1581	.00811	-.07227	1043.8	.01093	.05543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19989**	**.21793**	**158.17**	**73.579**	**.64845**	**280.66**	**5.9673**	**.01285**	**8.5065**	**.16332**
Stddev	.00097	.00132	.02	.229	.00095	1.02	.0131	.00012	.0460	.00068
%RSD	.48615	.60696	.01017	.31170	.14700	.36242	.22000	.90475	.54100	.41847
#1	.20057	.21887	158.18	73.742	.64912	281.38	5.9765	.01277	8.4740	.16381
#2	.19920	.21700	158.16	73.417	.64777	279.94	5.9580	.01294	8.5391	.16284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.333**	**.19674**	**5.0610**	**.00900**	**.01133**	**2.1484**	**4.5977**	**.01733**	**4.0234**	**.08133**
Stddev	.014	.00068	.0038	.00189	.00040	.0199	.0425	.00043	.0083	.00093
%RSD	.11460	.34710	.07434	21.002	3.5615	.92439	.92439	2.4693	.20529	1.1403
#1	12.343	.19723	5.0583	.01034	.01104	2.1344	4.5676	.01703	4.0292	.08067
#2	12.323	.19626	5.0636	.00766	.01161	2.1625	4.6277	.01763	4.0175	.08199
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2888**	**-.00073**	F **-.36956**	**.27182**	**.69872**	**.22616**
Stddev	.0024	.00096	.00492	.00164	.00205	.00197
%RSD	.05523	132.37	1.3311	.60380	.29330	.87250
#1	4.2904	-.00005	-.36608	.27065	.69727	.22756
#2	4.2871	-.00141	-.37304	.27298	.70017	.22477
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7297.7**	**80789.**	**7248.1**
Stddev	25.2	116.	14.9
%RSD	.34478	.14361	.20626
#1	7279.9	80707.	7237.5
#2	7315.5	80871.	7258.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 6:05:16 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00712**	**47.711**	**-.00067**	**.00307**	**.00085**	**-.00002**	W **1.0741**	**.13528**	**.00069**	**-.00104**	**.00020**	**-.00649**
Stddev	.00024	.506	.00158	.00010	.00019	.00003	.0031	.04056	.00014	.00017	.00009	.00036
%RSD	3.4175	1.0608	234.50	3.4082	22.023	142.36	.28831	29.985	20.722	15.933	44.298	5.5178
#1	-.00729	48.069	-.00179	.00299	.00098	.00000	1.0719	.16397	.00059	-.00092	.00014	-.00624
#2	-.00695	47.353	.00044	.00314	.00072	-.00004	1.0763	.10660	.00080	-.00115	.00027	-.00674
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.499**	**.17927**	**.00171**	**.07332**	**.00028**	**.00042**	**259.99**	**-.00088**	**.00435**	**-.00264**	**5.0837**	**.00022**
Stddev	.017	.01660	.00023	.00036	.00003	.00032	1.90	.00061	.00002	.00028	.0119	.00117
%RSD	.03433	9.2607	13.554	.48614	12.617	76.857	.73259	68.844	.52011	10.627	.23364	530.76
#1	49.487	.19101	.00154	.07358	.00030	.00065	261.34	-.00045	.00434	-.00284	5.0753	.00105
#2	49.511	.16753	.00187	.07307	.00025	.00019	258.64	-.00131	.00437	-.00244	5.0921	-.00061
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00556**	**-.00588**	**-.01258**	**.00022**	**.00040**	**5.1410**	**.01304**	**.00207**	F **8.2654**	**.00022**	**.00353**	**-.07717**
Stddev	.00382	.00358	.00767	.00039	.00011	.0056	.00006	.00019	.0222	.00029	.00039	.00008
%RSD	68.672	60.952	60.952	175.97	26.286	.10802	.46480	9.4116	.26858	134.07	11.034	.10468
#1	-.00825	-.00841	-.01800	-.00005	.00047	5.1371	.01300	.00193	8.2497	.00001	.00381	-.07722
#2	-.00286	-.00334	-.00716	.00050	.00033	5.1450	.01308	.00221	8.2810	.00042	.00325	-.07711
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6868.7**	**77141.**	**6355.8**
Stddev	5.5	620.	98.1
%RSD	.08001	.80431	1.5441
#1	6872.5	77580.	6286.4
#2	6864.8	76702.	6425.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 6:07:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54718**	F **.55564**	**1.0573**	**.53295**	**.51395**	**.46596**	**-.00852**	**4.7031**	**.49218**	**.50910**	**.53841**	**.51074**	**2.5715**
Stddev	.00038	.00010	.0040	.00093	.00426	.00352	.00074	.0449	.00071	.00104	.00087	.00061	.0382
%RSD	.06980	.01750	.37713	.17447	.82807	.75501	8.7074	.95500	.14415	.20457	.16214	.11884	1.4855
#1	.54745	.55557	1.0601	.53361	.51094	.46348	-.00905	4.6713	.49268	.50983	.53903	.51031	2.5445
#2	.54691	.55571	1.0544	.53230	.51696	.46845	-.00800	4.7348	.49168	.50836	.53780	.51117	2.5985
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.085**	**1.0171**	**20.844**	**.50447**	**.52997**	**5.4030**	**.54213**	**1.0649**	**.98000**	**.00240**	**1.0336**	**1.0769**	**4.9954**
Stddev	.324	.0064	.022	.00064	.00024	.0873	.00031	.0038	.00097	.00265	.0041	.0059	.0091
%RSD	.64646	.62839	.10751	.12644	.04584	1.6158	.05765	.35975	.09852	110.79	.39892	.54709	.18252
#1	49.856	1.0126	20.829	.50492	.52980	5.3412	.54235	1.0622	.97931	.00427	1.0306	1.0811	4.9890
#2	50.314	1.0217	20.860	.50401	.53014	5.4647	.54190	1.0676	.98068	.00052	1.0365	1.0728	5.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.690**	**1.0527**	**.49773**	**.00243**	**.51335**	**1.0132**	**-.05125**	**.49140**	**.51865**	**.48663**
Stddev	.020	.0008	.00335	.00063	.00011	.0007	.00987	.00191	.00027	.00636
%RSD	.18252	.07132	.67267	25.910	.02144	.07076	19.260	.38892	.05230	1.3070
#1	10.676	1.0533	.49536	.00287	.51343	1.0137	-.04427	.49275	.51884	.48213
#2	10.704	1.0522	.50010	.00198	.51327	1.0126	-.05823	.49004	.51846	.49113
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7000.8**	**78607.**	**6224.2**
Stddev	11.3	29.	62.1
%RSD	.16166	.03751	.99700
#1	6992.8	78628.	6268.0
#2	7008.8	78586.	6180.3

Sample Name: CCB Acquired: 11/15/2013 6:09:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00278**	**-.00022**	**.00196**	**.00026**	**.00001**	**.00158**	**.01732**	**-.00012**	**.00005**	**.00003**	**-.00099**
Stddev	.00044	.00008	.00288	.00030	.00017	.00006	.00076	.00159	.00009	.00002	.00013	.00026
%RSD	71.158	2.9960	1330.5	15.272	64.482	509.78	47.900	9.1661	73.721	30.248	390.14	26.441
#1	-.00093	.00272	-.00225	.00217	.00037	.00005	.00212	.01844	-.00006	.00004	-.00006	-.00080
#2	-.00031	.00284	.00182	.00174	.00014	-.00003	.00105	.01620	-.00018	.00006	.00013	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.16060**	W **.00361**	**.01019**	W **.00030**	**-.00001**	F **.20391**	**-.00009**	**.00085**	**-.00071**	**.00283**	W **.00408**
Stddev	.00001	.05140	.00239	.00072	.00004	.00032	.00029	.00032	.00068	.00122	.00179	.00058
%RSD	1.6562	32.005	66.169	7.0763	13.191	2733.9	.14240	364.76	79.191	173.03	63.138	14.103
#1	.00062	.12425	.00192	.01071	.00027	.00022	.20370	.00014	.00133	-.00157	.00409	.00367
#2	.00063	.19695	.00531	.00968	.00033	-.00024	.20411	-.00031	.00038	.00016	.00157	.00448
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261		.00025		.18320					.00314
Low Limit			-.00261		-.00025		-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00167**	**.00357**	**-.00023**	**-.00009**	**.00552**	**.00004**	**-.00007**	**-.01857**	**.00031**	**.00371**	**-.00102**
Stddev	.00047	.01188	.02543	.00043	.00009	.00136	.00018	.00091	.02789	.00004	.00007	.00027
%RSD	18.913	712.52	712.52	185.29	103.93	24.717	408.07	1222.5	150.24	13.117	1.8498	26.322
#1	.00214	.01007	.02155	-.00054	-.00002	.00649	-.00008	.00057	-.03829	.00034	.00376	-.00083
#2	.00281	-.00674	-.01441	.00007	-.00015	.00456	.00017	-.00072	.00116	.00028	.00366	-.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6998.8**	**79391.**	**6175.4**
Stddev	4.0	431.	60.9
%RSD	.05755	.54247	.98678
#1	7001.6	79086.	6132.3
#2	6995.9	79695.	6218.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 6:12:10 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00967**	F **.13850**	**.01803**	**.11057**	**.01060**	**.00087**	**.12357**	**.21152**	**.00502**	**.01074**	**.01113**	**.01501**	**.10828**
Stddev	.00003	.02792	.00350	.00037	.00013	.00000	.00180	.00267	.00016	.00008	.00014	.00070	.00232
%RSD	.30865	20.158	19.410	.33050	1.2333	.46519	1.4542	1.2634	3.2153	.73278	1.2670	4.6344	2.1429
#1	.00969	.15824	.01556	.11031	.01069	.00087	.12484	.20963	.00490	.01069	.01123	.01451	.10664
#2	.00965	.11876	.02051	.11083	.01051	.00087	.12230	.21341	.00513	.01080	.01103	.01550	.10992
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000											
Range		30.000%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1333**	**.01065**	**.22988**	**.01064**	**.02117**	**1.2487**	**.04596**	**3.2077**	**.00905**	**.00402**	**.01036**	**.01605**	**.48849**
Stddev	.0254	.00126	.00221	.00000	.00012	.0102	.00009	.0110	.00206	.00215	.00145	.00252	.00867
%RSD	.81104	11.792	.96023	.01819	.55845	.81960	.18635	.34202	22.804	53.409	13.963	15.695	1.7759
#1	3.1153	.01154	.22832	.01064	.02126	1.2414	.04602	3.1999	.01051	.00554	.00934	.01427	.49463
#2	3.1512	.00976	.23144	.01063	.02109	1.2559	.04590	3.2154	.00759	.00250	.01138	.01783	.48236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0454**	**.11011**	**.01000**	**.01789**	**.01051**	**.01745**	**.07349**	**.01038**	**.02568**	**.01508**
Stddev	.0186	.00091	.00016	.00196	.00051	.00029	.03292	.00040	.00044	.00282
%RSD	1.7759	.82363	1.5602	10.963	4.8454	1.6532	44.793	3.8387	1.7149	18.727
#1	1.0585	.10947	.00989	.01650	.01087	.01724	.09677	.01010	.02537	.01308
#2	1.0322	.11075	.01011	.01928	.01015	.01765	.05022	.01066	.02599	.01708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7144.4**	**81083.**	**6388.5**
Stddev	4.6	324.	99.3
%RSD	.06478	.39927	1.5539
#1	7147.7	81312.	6318.3
#2	7141.1	80854.	6458.7

Sample Name: 280-48953-a-4-c Acquired: 11/15/2013 6:14:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**223.17**	**.11562**	**.51982**	**3.2887**	**.00841**	W **-.06830**	RF **1585.7**	**.00714**	**.04953**
Stddev	.00029	.42	.00344	.00108	.0045	.00009	.00143	27.7	.00005	.00021
%RSD	13.052	.18734	2.9761	.20817	.13642	1.0870	2.0915	1.7453	.71746	.41729
#1	-.00245	223.46	.11319	.51905	3.2918	.00847	-.06729	1605.2	.00718	.04968
#2	-.00203	222.87	.11805	.52058	3.2855	.00834	-.06931	1566.1	.00711	.04938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20676**	**.18700**	**153.03**	**58.634**	**.75022**	**180.61**	**3.3098**	**.01934**	**84.386**	**.17484**
Stddev	.00073	.00020	.65	.161	.00089	.95	.0516	.00009	.876	.00046
%RSD	.35420	.10782	.42249	.27407	.11853	.52499	1.5580	.44159	1.0380	.26484
#1	.20624	.18714	153.48	58.747	.75085	181.28	3.3463	.01940	83.767	.17451
#2	.20727	.18685	152.57	58.520	.74959	179.94	3.2733	.01928	85.005	.17517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.2238**	**.13034**	**34.749**	**.01534**	**.01062**	**2.2949**	**4.9110**	**.01889**	W **5.6959**	**.08133**
Stddev	.0828	.00237	.058	.00124	.00010	.0244	.0522	.00106	.0417	.00064
%RSD	1.1463	1.8197	.16739	8.0851	.93371	1.0636	1.0636	5.6085	.73127	.79287
#1	7.1652	.13202	34.790	.01446	.01055	2.2776	4.8741	.01814	5.6665	.08087
#2	7.2823	.12866	34.707	.01622	.01069	2.3121	4.9480	.01964	5.7254	.08179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5571**	**.00050**	F **-.32255**	**.35519**	**.62580**	**.29975**
Stddev	.0067	.00013	.06812	.00132	.00099	.00262
%RSD	.14812	26.883	21.120	.37175	.15759	.87560
#1	4.5619	.00040	-.27438	.35612	.62650	.30160
#2	4.5523	.00059	-.37072	.35426	.62510	.29789
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7122.4**	**77670.**	**7116.6**
Stddev	5.5	509.	35.6
%RSD	.07785	.65583	.50056
#1	7126.3	77310.	7091.4
#2	7118.5	78031.	7141.8

Sample Name: 280-48953-a-5-c Acquired: 11/15/2013 6:17:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**188.35**	**.09718**	**.42365**	**3.1461**	**.00831**	W **-.07166**	RF **1111.4**	**.01084**	**.05893**
Stddev	.00055	.40	.00338	.00317	.0097	.00007	.00070	7.0	.00016	.00053
%RSD	48.136	.21049	3.4813	.74931	.30964	.81157	.97733	.62734	1.4526	.89142
#1	-.00076	188.63	.09479	.42140	3.1529	.00836	-.07117	1116.3	.01073	.05856
#2	-.00154	188.07	.09957	.42589	3.1392	.00826	-.07216	1106.5	.01095	.05930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20262**	**.23743**	**163.83**	**76.765**	**.65480**	**288.23**	**6.1866**	**.00798**	**8.0825**	**.17179**
Stddev	.00139	.00019	.47	.190	.00251	2.12	.0413	.00005	.0321	.00136
%RSD	.68822	.08112	.28906	.24801	.38287	.73672	.66673	.62834	.39649	.79289
#1	.20163	.23729	164.17	76.900	.65657	289.73	6.2157	.00801	8.1052	.17083
#2	.20361	.23756	163.50	76.630	.65303	286.73	6.1574	.00794	8.0599	.17275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.072**	**.20539**	**5.3618**	**.01009**	**.00916**	**2.2911**	**4.9029**	**.01530**	**4.1560**	**.08135**
Stddev	.011	.00208	.0522	.00060	.00304	.0166	.0355	.00055	.0432	.00008
%RSD	.08756	1.0123	.97428	5.9469	33.164	.72448	.72448	3.6084	1.0389	.09942
#1	13.064	.20392	5.3248	.00967	.00701	2.3028	4.9280	.01491	4.1255	.08141
#2	13.081	.20686	5.3987	.01051	.01131	2.2793	4.8777	.01570	4.1865	.08129
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0525**	**-.00207**	F **-.35188**	**.27419**	**.74342**	**.23183**
Stddev	.0092	.00100	.03289	.00097	.00116	.00365
%RSD	.22600	48.152	9.3476	.35527	.15636	1.5752
#1	4.0461	-.00278	-.32862	.27350	.74424	.23441
#2	4.0590	-.00137	-.37513	.27488	.74259	.22925
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7322.1**	**81021.**	**7281.2**
Stddev	3.3	151.	9.6
%RSD	.04458	.18639	.13117
#1	7324.4	80914.	7274.4
#2	7319.8	81127.	7287.9

Sample Name: 280-48953-a-6-c Acquired: 11/15/2013 6:20:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**181.50**	**.08643**	**.40341**	**3.0335**	**.00791**	W **-.07097**	RF **1058.3**	**.00991**	**.05533**
Stddev	.00049	1.92	.00146	.00295	.0218	.00006	.00136	17.5	.00025	.00027
%RSD	39.871	1.0599	1.6861	.73247	.71796	.74239	1.9138	1.6561	2.5249	.48049
#1	-.00159	180.14	.08540	.40132	3.0181	.00787	-.07001	1045.9	.01009	.05514
#2	-.00089	182.86	.08747	.40550	3.0489	.00795	-.07193	1070.7	.00974	.05552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19237**	**.21526**	**155.89**	**73.435**	**.63259**	**269.66**	**5.9638**	**.01767**	**8.1443**	**.15945**
Stddev	.00141	.00127	.87	.557	.00082	.24	.0193	.00041	.0853	.00087
%RSD	.73425	.59024	.55960	.75817	.13002	.08898	.32411	2.3059	1.0474	.54585
#1	.19137	.21616	155.27	73.042	.63201	269.49	5.9501	.01738	8.0840	.15883
#2	.19337	.21436	156.51	73.829	.63318	269.83	5.9774	.01796	8.2046	.16007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.997**	**.18183**	**4.6807**	**.00773**	**.00820**	**2.2363**	**4.7857**	**.01499**	**3.8748**	**.07963**
Stddev	.039	.00259	.0224	.00241	.00163	.0221	.0474	.00022	.0289	.00132
%RSD	.32433	1.4251	.47865	31.205	19.890	.99009	.99009	1.4604	.74620	1.6626
#1	11.970	.18000	4.6649	.00943	.00935	2.2206	4.7522	.01484	3.8544	.07870
#2	12.025	.18366	4.6965	.00602	.00705	2.2520	4.8192	.01515	3.8953	.08057
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9684**	**-.00220**	F **-.32711**	**.26459**	**.68788**	**.21446**
Stddev	.0034	.00059	.00653	.00054	.00081	.00271
%RSD	.08638	26.805	1.9972	.20499	.11801	1.2637
#1	3.9708	-.00261	-.32249	.26497	.68845	.21255
#2	3.9660	-.00178	-.33173	.26421	.68730	.21638
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7292.1**	**80607.**	**7251.8**
Stddev	34.4	148.	44.0
%RSD	.47146	.18335	.60658
#1	7316.4	80712.	7282.9
#2	7267.8	80503.	7220.7

Sample Name: 280-48953-a-7-c Acquired: 11/15/2013 6:23:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**210.15**	**.09418**	**.49384**	**3.4104**	**.00890**	W **-.08584**	RF **1110.7**	**.01113**	**.06014**
Stddev	.00010	1.05	.00142	.00007	.0059	.00006	.00146	9.7	.00009	.00007
%RSD	9.6224	.50056	1.5119	.01428	.17208	.68901	1.7030	.87071	.79485	.12116
#1	-.00107	210.89	.09318	.49389	3.4145	.00894	-.08480	1117.5	.01107	.06009
#2	-.00093	209.41	.09519	.49379	3.4062	.00885	-.08687	1103.9	.01120	.06019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22390**	**.24323**	**173.61**	**85.596**	**.71478**	**307.70**	**6.5615**	**.00804**	**10.479**	**11.296**
Stddev	.00023	.00042	.10	.123	.00108	.30	.0245	.00019	.013	.055
%RSD	.10429	.17364	.05499	.14391	.15128	.09896	.37359	2.3418	.12678	.48843
#1	.22373	.24293	173.68	85.683	.71554	307.92	6.5789	.00817	10.488	11.335
#2	.22406	.24353	173.54	85.509	.71401	307.49	6.5442	.00791	10.469	11.257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17646**	W **13.561**	**.20993**	**5.5080**	**.00791**	**.01125**	**2.8620**	**6.1247**	**.01671**	**4.3624**
Stddev	.00014	.022	.00049	.0256	.00076	.00077	.0146	.0313	.00096	.0537
%RSD	.07704	.16508	.23226	.46383	9.6455	6.8764	.51067	.51067	5.7181	1.2313
#1	.17655	13.577	.20959	5.4899	.00737	.01180	2.8517	6.1026	.01738	4.4004
#2	.17636	13.545	.21027	5.5260	.00845	.01071	2.8724	6.1469	.01603	4.3244
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09197**	**4.9617**	**-.00265**	F **-.39690**	**.30749**	**.76991**	**.23945**
Stddev	.00150	.0013	.00077	.00701	.00131	.00279	.00136
%RSD	1.6282	.02677	29.063	1.7673	.42756	.36284	.57001
#1	.09303	4.9626	-.00211	-.39194	.30656	.77188	.23849
#2	.09091	4.9607	-.00320	-.40186	.30842	.76793	.24042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7307.9**	**80558.**	**7257.3**
Stddev	.4	134.	15.6
%RSD	.00596	.16662	.21527
#1	7307.6	80653.	7246.3
#2	7308.2	80463.	7268.4

Sample Name: 280-48953-a-8-c Acquired: 11/15/2013 6:27:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**213.42**	**.10453**	**.48910**	**3.6680**	**.00943**	W **-.07864**	RF **1098.9**	**.01112**	**.06596**
Stddev	.00052	.34	.00649	.00213	.0029	.00007	.00104	27.1	.00006	.00001
%RSD	34.772	.15779	6.2090	.43600	.07886	.76040	1.3264	2.4654	.58356	.02235
#1	-.00188	213.66	.10912	.49061	3.6660	.00948	-.07790	1118.1	.01116	.06597
#2	-.00114	213.18	.09994	.48759	3.6701	.00938	-.07938	1079.8	.01107	.06594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22351**	**.24953**	**184.19**	**86.604**	**.78697**	**341.60**	**7.1749**	**.00784**	**10.042**	W **10.867**
Stddev	.00034	.00103	.19	.109	.00081	.21	.0426	.00009	.001	.184
%RSD	.15215	.41452	.10059	.12598	.10350	.06006	.59425	1.1759	.01289	1.6894
#1	.22375	.24880	184.32	86.681	.78639	341.74	7.2050	.00791	10.041	10.738
#2	.22327	.25026	184.06	86.527	.78755	341.45	7.1447	.00778	10.043	10.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18578**	W **13.690**	**.20862**	**5.2995**	**.00850**	**.00997**	**3.0939**	**6.6209**	**.01622**	**4.7238**
Stddev	.00015	.029	.00118	.0203	.00021	.00453	.0626	.1339	.00044	.0092
%RSD	.08001	.21513	.56338	.38210	2.4311	45.440	2.0224	2.0224	2.6844	.19524
#1	.18568	13.669	.20779	5.3139	.00865	.01318	3.0496	6.5262	.01591	4.7303
#2	.18589	13.711	.20945	5.2852	.00835	.00677	3.1381	6.7156	.01652	4.7173
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09333**	**4.3790**	**-.00313**	F **-.38342**	**.30261**	**.78669**	**.26110**
Stddev	.00218	.0042	.00110	.11239	.00186	.00210	.00005
%RSD	2.3401	.09552	35.035	29.314	.61580	.26731	.01779
#1	.09487	4.3819	-.00390	-.46289	.30393	.78818	.26106
#2	.09178	4.3760	-.00235	-.30394	.30129	.78520	.26113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7359.8**	**81364.**	**7327.3**
Stddev	13.7	34.	55.3
%RSD	.18675	.04176	.75404
#1	7369.6	81340.	7288.3
#2	7350.1	81388.	7366.4

Sample Name: 280-48953-a-9-c Acquired: 11/15/2013 6:30:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**174.55**	**.08999**	**.38292**	**2.7713**	**.00766**	W **-.06547**	W **991.01**	**.00871**	**.05501**
Stddev	.00002	.15	.00254	.00145	.0136	.00008	.00196	10.29	.00020	.00002
%RSD	1.7709	.08824	2.8239	.37785	.48876	1.0151	2.9879	1.0383	2.3380	.03586
#1	-.00105	174.66	.08820	.38395	2.7809	.00772	-.06686	983.74	.00856	.05500
#2	-.00102	174.44	.09179	.38190	2.7617	.00761	-.06409	998.29	.00885	.05503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.05000	500.00		
Low Limit							-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18940**	**.19706**	**151.84**	**69.641**	**.60092**	**256.08**	**5.3981**	**.01566**	**8.7464**	**.15942**
Stddev	.00005	.00115	.34	.191	.00633	2.29	.0070	.00007	.0003	.00020
%RSD	.02693	.58143	.22689	.27389	1.0534	.89455	.12973	.45375	.00295	.12820
#1	.18943	.19625	152.08	69.776	.60540	254.46	5.3932	.01571	8.7466	.15928
#2	.18936	.19787	151.59	69.506	.59644	257.70	5.4031	.01561	8.7462	.15957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.544**	**.16207**	**4.2789**	**.00932**	**.00659**	**2.3511**	**5.0314**	**.01416**	**3.6862**	**.07480**
Stddev	.043	.00174	.0049	.00198	.00080	.0276	.0591	.00009	.0222	.00042
%RSD	.40591	1.0765	.11352	21.306	12.215	1.1739	1.1739	.62047	.60290	.56441
#1	10.575	.16084	4.2824	.00791	.00602	2.3707	5.0732	.01410	3.7020	.07450
#2	10.514	.16330	4.2755	.01072	.00715	2.3316	4.9897	.01423	3.6705	.07510
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7559**	**-.00229**	F **-.35443**	**.25834**	**.64507**	**.21046**
Stddev	.0257	.00178	.06867	.00174	.00597	.00003
%RSD	.68324	77.858	19.376	.67269	.92503	.01192
#1	3.7377	-.00103	-.40299	.25711	.64085	.21048
#2	3.7740	-.00355	-.30587	.25957	.64929	.21045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7261.3**	**80332.**	**7160.9**
Stddev	32.4	382.	46.5
%RSD	.44612	.47513	.64902
#1	7238.4	80602.	7193.8
#2	7284.2	80062.	7128.0

Sample Name: 280-48953-a-10-c Acquired: 11/15/2013 6:32:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**179.93**	**.09643**	**.41288**	**2.8455**	**.00669**	W **-.06221**	RF **1417.7**	**.01290**	**.04607**
Stddev	.00026	.66	.00268	.00052	.0026	.00013	.00344	16.7	.00025	.00029
%RSD	28.868	.36429	2.7785	.12562	.09018	1.9988	5.5313	1.1801	1.9052	.61995
#1	.00109	180.39	.09453	.41252	2.8437	.00679	-.05978	1429.5	.01273	.04587
#2	.00072	179.46	.09832	.41325	2.8473	.00660	-.06464	1405.9	.01307	.04628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26736**	**.43017**	**137.29**	**66.507**	**.58713**	**244.93**	**4.9439**	**.05391**	**12.984**	**.19762**
Stddev	.00067	.00036	1.15	.152	.00041	.93	.0042	.00042	.035	.00025
%RSD	.24939	.08264	.83466	.22908	.06898	.38087	.08518	.77932	.26647	.12834
#1	.26689	.42992	136.48	66.615	.58685	244.27	4.9410	.05362	12.959	.19744
#2	.26783	.43042	138.10	66.399	.58742	245.59	4.9469	.05421	13.008	.19780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.724**	**.20124**	**5.7685**	**.01360**	**.01288**	**2.1694**	**4.6425**	**.01835**	**4.5268**	**.06763**
Stddev	.015	.00020	.0107	.00051	.00725	.0112	.0240	.00056	.0031	.00255
%RSD	.11905	.10145	.18483	3.7618	56.295	.51719	.51719	3.0710	.06744	3.7757
#1	12.714	.20139	5.7609	.01397	.01800	2.1773	4.6594	.01875	4.5290	.06944
#2	12.735	.20110	5.7760	.01324	.00775	2.1614	4.6255	.01795	4.5247	.06582
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0655**	**-.00265**	F **-.33124**	**.26110**	**.81743**	**.17023**
Stddev	.0104	.00005	.06913	.00118	.00358	.00132
%RSD	.25703	1.9494	20.871	.45229	.43751	.77739
#1	4.0729	-.00262	-.38012	.26027	.81996	.17116
#2	4.0582	-.00269	-.28235	.26194	.81490	.16929
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7097.4**	**78401.**	**7135.0**
Stddev	17.3	330.	57.6
%RSD	.24417	.42112	.80709
#1	7109.6	78168.	7094.2
#2	7085.1	78634.	7175.7

Sample Name: 280-48953-a-11-c Acquired: 11/15/2013 6:35:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**132.10**	**.10096**	**.24501**	**2.3054**	**.00372**	**-.03281**	RF **2127.6**	**.00859**	**.02832**
Stddev	.00052	.40	.00082	.00004	.0069	.00000	.00292	19.9	.00015	.00008
%RSD	41.229	.30436	.80870	.01649	.29948	.08084	8.9092	.93471	1.6956	.28393
#1	.00162	131.82	.10154	.24498	2.3005	.00371	-.03487	2113.6	.00849	.02827
#2	.00089	132.39	.10038	.24503	2.3103	.00372	-.03074	2141.7	.00869	.02838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25996**	**.24371**	**83.986**	**34.980**	**.38539**	**153.54**	**2.3476**	**.09487**	**14.077**	**.17495**
Stddev	.00068	.00127	.013	.175	.00003	.25	.0009	.00012	.247	.00005
%RSD	.26107	.52061	.01504	.50026	.00860	.16239	.03821	.12657	1.7533	.02763
#1	.25949	.24461	83.977	34.856	.38536	153.37	2.3482	.09479	13.902	.17498
#2	.26044	.24281	83.995	35.104	.38541	153.72	2.3469	.09496	14.251	.17491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.4239**	**.16178**	**7.7898**	**.02538**	**.01322**	**2.7984**	**5.9885**	**.08366**	W **5.4326**	**.03914**
Stddev	.0123	.00100	.0229	.00001	.00256	.0232	.0497	.00094	.0703	.00074
%RSD	.14620	.61649	.29357	.04203	19.355	.82929	.82929	1.1180	1.2941	1.8927
#1	8.4152	.16248	7.8060	.02538	.01503	2.7820	5.9534	.08433	5.3829	.03862
#2	8.4326	.16107	7.7736	.02537	.01141	2.8148	6.0236	.08300	5.4823	.03967
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6372**	**.00046**	F **-.21705**	**.22677**	**.63165**	**.14035**
Stddev	.0068	.00057	.01507	.00017	.00079	.00150
%RSD	.25648	123.78	6.9453	.07349	.12577	1.0661
#1	2.6420	.00086	-.20639	.22665	.63221	.14141
#2	2.6324	.00006	-.22771	.22688	.63109	.13930
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.0**	**75264.**	**6823.0**
Stddev	24.6	21.	103.0
%RSD	.36054	.02855	1.5094
#1	6854.4	75249.	6895.8
#2	6819.5	75279.	6750.2

Sample Name: 280-48953-a-12-c Acquired: 11/15/2013 6:38:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**178.15**	**.09278**	**.39865**	**2.9343**	**.00663**	W **-.06224**	RF **1410.7**	**.01358**	**.04506**
Stddev	.00049	.62	.00273	.00023	.0091	.00003	.00036	.7	.00011	.00013
%RSD	4773.8	.34873	2.9440	.05705	.31021	.50889	.57766	.04855	.84400	.29137
#1	-.00034	178.59	.09084	.39849	2.9408	.00666	-.06198	1411.2	.01349	.04515
#2	.00036	177.71	.09471	.39881	2.9279	.00661	-.06249	1410.2	.01366	.04497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27778**	**.39028**	**137.51**	**67.002**	**.58265**	**244.87**	**4.9067**	**.08803**	**15.616**	**.20468**
Stddev	.00048	.00010	.13	.162	.00359	1.10	.0139	.00018	.193	.00022
%RSD	.17152	.02495	.09632	.24131	.61659	.45051	.28292	.20301	1.2380	.10648
#1	.27745	.39035	137.60	67.117	.58519	245.65	4.8969	.08790	15.752	.20483
#2	.27812	.39021	137.41	66.888	.58011	244.09	4.9165	.08816	15.479	.20452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.419**	**.17656**	**6.9250**	**.01234**	**.00905**	**2.2750**	**4.8686**	**.02027**	**4.4560**	**.06646**
Stddev	.003	.00250	.0210	.00031	.00443	.0127	.0272	.00033	.0308	.00006
%RSD	.02376	1.4187	.30356	2.5213	48.989	.55789	.55789	1.6048	.69218	.08491
#1	12.417	.17479	6.9102	.01212	.00591	2.2661	4.8494	.02050	4.4779	.06650
#2	12.421	.17833	6.9399	.01256	.01218	2.2840	4.8878	.02004	4.4342	.06642
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9583**	**-.00102**	F **-.30170**	**.26586**	**.85779**	**.17511**
Stddev	.0039	.00222	.02115	.00004	.00138	.00316
%RSD	.09753	217.36	7.0107	.01689	.16037	1.8033
#1	3.9610	-.00260	-.31665	.26589	.85877	.17287
#2	3.9556	.00055	-.28674	.26583	.85682	.17734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7104.6**	**78225.**	**7000.0**
Stddev	9.0	13.	56.7
%RSD	.12688	.01651	.81005
#1	7111.0	78234.	6959.9
#2	7098.2	78216.	7040.1

Sample Name: 280-48953-a-13-c Acquired: 11/15/2013 6:42:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**176.05**	**.08506**	**.41461**	**2.9131**	**.00748**	W **-.06723**	RF **1061.7**	**.00966**	**.05497**
Stddev	.00010	.48	.00454	.00040	.0110	.00001	.00330	3.1	.00002	.00076
%RSD	13.147	.27269	5.3410	.09714	.37855	.19788	4.9142	.29584	.23133	1.3798
#1	-.00070	175.71	.08185	.41489	2.9053	.00747	-.06490	1063.9	.00964	.05443
#2	-.00084	176.39	.08827	.41432	2.9209	.00749	-.06957	1059.4	.00967	.05550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19169**	**.20555**	**150.73**	**73.105**	**.63022**	**277.70**	**5.8736**	**.00657**	**8.6070**	**.15992**
Stddev	.00034	.00186	1.46	.310	.00463	.05	.0064	.00009	.0464	.00022
%RSD	.17505	.90339	.96834	.42350	.73450	.01792	.10866	1.3318	.53855	.14052
#1	.19146	.20424	149.70	72.886	.62695	277.67	5.8781	.00663	8.5742	.16008
#2	.19193	.20687	151.76	73.324	.63350	277.74	5.8691	.00650	8.6398	.15976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.513**	**.16754**	**4.4805**	**.00819**	**.00970**	**2.0910**	**4.4748**	**.01442**	**3.9287**	**.07776**
Stddev	.004	.00236	.0107	.00207	.00236	.0364	.0779	.00084	.0134	.00008
%RSD	.03197	1.4067	.23759	25.220	24.290	1.7417	1.7417	5.8285	.33978	.10227
#1	11.515	.16587	4.4730	.00673	.01137	2.0653	4.4197	.01382	3.9193	.07771
#2	11.510	.16921	4.4881	.00965	.00804	2.1168	4.5299	.01501	3.9382	.07782
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7398**	**-.00228**	F **-.32988**	**.25785**	**.67209**	**.20552**
Stddev	.0109	.00101	.03322	.00223	.00074	.00121
%RSD	.29184	44.402	10.072	.86623	.11038	.58901
#1	3.7321	-.00300	-.30639	.25627	.67262	.20638
#2	3.7475	-.00156	-.35337	.25943	.67157	.20466
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7240.7**	**80038.**	**7103.3**
Stddev	5.2	30.	39.4
%RSD	.07219	.03705	.55478
#1	7237.0	80017.	7131.2
#2	7244.4	80059.	7075.5

Sample Name: CCVH-2372891 Acquired: 11/15/2013 6:45:05 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00855**	**47.061**	**-.00227**	**.00287**	**.00182**	**-.00001**	W **1.0884**	**.56692**	**.00106**	**-.00111**	**.00025**	**-.00865**
Stddev	.00097	.177	.00099	.00005	.00008	.00002	.0060	.02739	.00009	.00001	.00018	.00018
%RSD	11.383	.37700	43.621	1.6903	4.2622	171.75	.54841	4.8308	8.7299	.49717	69.699	2.0651
#1	-.00786	46.935	-.00157	.00290	.00187	.00000	1.0841	.58628	.00112	-.00112	.00013	-.00878
#2	-.00923	47.186	-.00297	.00283	.00176	-.00002	1.0926	.54755	.00099	-.00111	.00038	-.00853
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.280**	**.24350**	**.00138**	**.11369**	**.00099**	**.00091**	**260.39**	**-.00070**	**.00446**	**-.00414**	**5.1250**	**.00230**
Stddev	.097	.04456	.00167	.04271	.00112	.00004	.95	.00023	.00166	.00098	.0035	.00007
%RSD	.19754	18.302	121.39	37.564	112.97	4.1269	.36488	33.300	37.165	23.639	.06790	3.0630
#1	49.349	.21199	.00256	.14389	.00179	.00088	259.71	-.00086	.00329	-.00345	5.1225	.00225
#2	49.211	.27501	.00020	.08349	.00020	.00094	261.06	-.00054	.00563	-.00484	5.1275	.00235
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00830**	**-.01024**	**-.02192**	**-.00027**	**.00184**	**5.0803**	**.01522**	**.00258**	F **12.373**	**.00210**	**.00179**	**-.07592**
Stddev	.00270	.00755	.01616	.00000	.00015	.0046	.00004	.00039	.211	.00040	.00014	.00035
%RSD	32.549	73.737	73.737	.77037	8.2089	.08971	.23224	15.222	1.7022	19.023	8.0966	.46249
#1	-.00639	-.00490	-.01049	-.00027	.00195	5.0835	.01519	.00230	12.224	.00182	.00189	-.07616
#2	-.01020	-.01558	-.03335	-.00027	.00173	5.0771	.01524	.00285	12.522	.00239	.00169	-.07567
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6916.1**	**77369.**	**6220.8**
Stddev	14.1	71.	18.7
%RSD	.20408	.09181	.30103
#1	6906.1	77319.	6234.0
#2	6926.1	77419.	6207.6

Sample Name: CCV-2372889 Acquired: 11/15/2013 6:47:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54707**	F **.56938**	**1.0441**	**.53650**	**.52052**	**.46677**	**-.00994**	**4.7352**	**.48971**	**.51002**	**.54331**	**.51359**	**2.5829**
Stddev	.00469	.00588	.0034	.00375	.00058	.00050	.00002	.0227	.00012	.00047	.00117	.00202	.0033
%RSD	.85763	1.0321	.32277	.69882	.11197	.10645	.20672	.47933	.02503	.09265	.21462	.39414	.12838
#1	.54376	.56523	1.0417	.53385	.52011	.46712	-.00993	4.7192	.48979	.50968	.54249	.51216	2.5852
#2	.55039	.57354	1.0465	.53915	.52093	.46642	-.00996	4.7513	.48962	.51035	.54414	.51503	2.5805
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.414**	**1.0283**	**20.692**	**.50426**	**.53140**	**5.3870**	**.54657**	**1.0678**	**.96037**	**.00304**	**1.0347**	**1.0710**	**4.9597**
Stddev	.025	.0021	.059	.00187	.00085	.0191	.00059	.0032	.00241	.00100	.0043	.0015	.0375
%RSD	.04895	.20748	.28403	.36991	.15965	.35508	.10733	.29517	.25116	32.879	.41060	.14446	.75649
#1	50.396	1.0268	20.651	.50294	.53200	5.4006	.54616	1.0700	.96207	.00234	1.0377	1.0721	4.9332
#2	50.431	1.0298	20.734	.50558	.53080	5.3735	.54699	1.0655	.95866	.00375	1.0317	1.0699	4.9863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.614**	**1.0440**	**.50325**	**.00525**	**.51268**	**1.0051**	**-.05009**	**.49448**	**.51453**	**.49164**
Stddev	.080	.0023	.00098	.00155	.00170	.0035	.04515	.00022	.00030	.00044
%RSD	.75649	.22307	.19382	29.563	.33188	.34752	90.141	.04512	.05746	.09048
#1	10.557	1.0457	.50394	.00635	.51148	1.0075	-.08202	.49464	.51474	.49133
#2	10.671	1.0424	.50257	.00415	.51388	1.0026	-.01816	.49433	.51432	.49196
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6917.7**	**78295.**	**6172.5**
Stddev	1.4	101.	.6
%RSD	.01960	.12953	.00916
#1	6916.7	78224.	6172.9
#2	6918.6	78367.	6172.1

Sample Name: CCB Acquired: 11/15/2013 6:49:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00094**	**.00660**	**.00049**	**.00244**	W **.00112**	**.00015**	**.00242**	F **.33256**	**-.00008**	**-.00022**	**-.00002**
Stddev	.00070	.00101	.00076	.00079	.00007	.00000	.00091	.01363	.00015	.00001	.00018
%RSD	74.065	15.285	155.91	32.586	6.3961	.11949	37.636	4.0976	191.34	3.7857	973.83
#1	-.00045	.00732	.00103	.00300	.00117	.00015	.00178	.34219	.00003	-.00022	-.00014
#2	-.00143	.00589	-.00005	.00188	.00107	.00015	.00306	.32292	-.00019	-.00021	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058			.06900			
Low Limit	-.00093				-.00058			-.06900			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	F **.03635**	**.20696**	**.00030**	W **.01982**	W **.00042**	**.00007**	F **.20885**	**-.00028**	**.00005**	**.00026**
Stddev	.00084	.00113	.06198	.00177	.01088	.00027	.00001	.00010	.00003	.00052	.00104
%RSD	123.82	3.1202	29.951	589.63	54.885	64.328	15.631	.04692	12.459	984.91	402.52
#1	-.00008	.03715	.25079	-.00095	.02751	.00061	.00007	.20892	-.00030	-.00032	.00099
#2	-.00127	.03555	.16313	.00156	.01213	.00023	.00006	.20878	-.00025	.00042	-.00048
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.03000			.01070	.00025		.18320			
Low Limit		-.03000			-.01070	-.00025		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00222**	**.00003**	**.00962**	**.02058**	**-.00065**	F **.00109**	**.00107**	**.00010**	**.00122**	**.01518**
Stddev	.00043	.00105	.00206	.00120	.00257	.00024	.00003	.00183	.00022	.00108	.01855
%RSD	60.793	47.455	6373.2	12.477	12.477	37.344	2.6461	171.39	224.66	88.857	122.21
#1	.00102	.00148	-.00142	.00877	.01877	-.00082	.00107	.00237	.00025	.00199	.00206
#2	.00041	.00296	.00149	.01047	.02240	-.00048	.00111	-.00023	-.00006	.00045	.02829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050				
Low Limit							-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00020**	**.00381**	**-.00008**
Stddev	.00032	.00047	.00051
%RSD	156.95	12.396	605.67
#1	.00002	.00414	.00028
#2	-.00043	.00347	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6965.3**	**78408.**	**6117.3**
Stddev	1.1	1049.	19.5
%RSD	.01592	1.3378	.31889
#1	6966.1	79150.	6131.1
#2	6964.5	77667.	6103.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 6:52:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**.12489**	**.01307**	**.10642**	**.01028**	**.00089**	**.11546**	**.25501**	**.00489**	**.01035**	**.01095**	**.01462**	**.10705**	**2.9749**
Stddev	.00008	.00029	.00005	.00047	.00013	.00005	.00108	.00359	.00003	.00010	.00009	.00013	.00081	.0544
%RSD	.79405	.22833	.41525	.44418	1.2720	5.1899	.93708	1.4062	.69931	.98474	.79043	.91464	.75447	1.8289
#1	.00982	.12469	.01303	.10675	.01038	.00086	.11622	.25247	.00486	.01042	.01089	.01453	.10648	2.9365
#2	.00971	.12509	.01311	.10608	.01019	.00093	.11469	.25754	.00491	.01028	.01102	.01471	.10763	3.0134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00936**	**.22319**	**.01061**	**.02069**	**1.2022**	**.04439**	**3.0709**	**.00966**	**.00298**	**.00918**	**.01645**	**.49293**	**1.0549**	**.10587**
Stddev	.00010	.00135	.00002	.00013	.0039	.00014	.0027	.00131	.00072	.00207	.00280	.02965	.0635	.00079
%RSD	1.0540	.60500	.14588	.62418	.32243	.32544	.08971	13.566	24.224	22.516	17.040	6.0146	6.0146	.74481
#1	.00929	.22223	.01060	.02060	1.1995	.04429	3.0690	.01059	.00247	.00772	.01843	.47197	1.0100	.10643
#2	.00943	.22414	.01062	.02078	1.2049	.04449	3.0729	.00873	.00348	.01064	.01447	.51390	1.0997	.10532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.01805**	**.01043**	**.01564**	**.06157**	**.00954**	**.02448**	**.01273**
Stddev	.00026	.00085	.00006	.00134	.00241	.00083	.00018	.00095
%RSD	2.6711	4.7217	.58473	8.5882	3.9180	8.6529	.75253	7.4785
#1	.00972	.01745	.01039	.01659	.05986	.01012	.02435	.01341
#2	.01009	.01866	.01048	.01469	.06327	.00896	.02461	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6982.2**	**80223.**	**6296.6**
Stddev	10.9	547.	45.1
%RSD	.15550	.68196	.71639
#1	6989.9	80610.	6328.5
#2	6974.5	79836.	6264.7

Sample Name: mb 280-200879/1-a Acquired: 11/15/2013 6:54:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00096**	W **.02650**	**-.00174**	**.00178**	**.00066**	**.00000**	**.00192**	F **.21323**	**-.00002**	**-.00028**
Stddev	.00040	.00117	.00092	.00080	.00000	.00007	.00136	.00278	.00007	.00005
%RSD	41.947	4.4156	53.180	45.073	.18272	12451.	70.395	1.3053	325.89	16.769
#1	-.00067	.02732	-.00239	.00234	.00066	-.00005	.00097	.21520	-.00007	-.00031
#2	-.00124	.02567	-.00108	.00121	.00066	.00005	.00288	.21126	.00003	-.00024
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.01000	.01647						.20000		
Low Limit	-.00010	-.05000						-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00017**	W **.03016**	**.07022**	**.00226**	W **.03917**	W **.00088**	**-.00018**	W **.15530**	**.00093**
Stddev	.00008	.00029	.00250	.01759	.00005	.00151	.00002	.00010	.01606	.00054
%RSD	155.70	166.35	8.3008	25.055	2.4068	3.8494	2.2064	59.156	10.341	57.958
#1	.00010	-.00037	.03193	.05778	.00230	.04024	.00089	-.00025	.14394	.00132
#2	.00000	.00003	.02839	.08266	.00222	.03810	.00086	-.00010	.16665	.00055
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710			.01504	.00023		.05054	
Low Limit			-.05000			-.05000	-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00069**	**.00482**	**.00133**	**-.00348**	**-.00003**	**-.00006**	**-.00066**	**.00050**	W **.00261**
Stddev	.00063	.00038	.00086	.00022	.00273	.00545	.01166	.00001	.00015	.00172
%RSD	39.432	55.410	17.880	16.194	78.257	18311.	18311.	1.3101	30.323	65.943
#1	.00115	.00096	.00543	.00118	-.00156	-.00388	-.00831	-.00065	.00039	.00139
#2	.00203	.00042	.00421	.00149	-.00541	.00382	.00818	-.00066	.00061	.00383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00024**	**.01548**	**.00013**	W **.00399**	**-.00068**
Stddev	.00014	.00029	.00777	.00006	.00015	.00166
%RSD	16.425	119.17	50.216	45.679	3.6973	244.87
#1	.00092	.00045	.00998	.00009	.00388	.00050
#2	.00073	.00004	.02097	.00018	.00409	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7099.6**	**81255.**	**6224.9**
Stddev	12.6	114.	36.2
%RSD	.17733	.13981	.58211
#1	7108.5	81335.	6250.6
#2	7090.7	81174.	6199.3

Sample Name: lcs 280-200879/2-a Acquired: 11/15/2013 6:56:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05184**	**2.0354**	**1.0387**	F **.00101**	**2.0147**	**.04551**	**2.1758**	F **44.114**	**.09691**	**.48863**
Stddev	.00066	.0039	.0006	.00018	.0244	.00055	.0128	.541	.00039	.00033
%RSD	1.2770	.19238	.05742	17.580	1.2124	1.2142	.58904	1.2271	.40709	.06660
#1	.05230	2.0382	1.0383	.00088	1.9974	.04512	2.1668	43.731	.09663	.48840
#2	.05137	2.0326	1.0391	.00114	2.0320	.04591	2.1849	44.496	.09719	.48886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit				1.1050				55.500		
Low Limit				.86000				44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21345**	**.24923**	**1.0111**	**49.949**	**1.0132**	**50.495**	**.48607**	F **.00028**	**52.820**	**.52445**
Stddev	.00164	.00138	.0048	.570	.0106	.283	.00247	.00010	.798	.00294
%RSD	.77037	.55370	.47508	1.1406	1.0468	.55964	.50715	37.654	1.5109	.56046
#1	.21229	.25020	1.0077	49.546	1.0057	50.695	.48782	.00035	52.256	.52237
#2	.21462	.24825	1.0145	50.352	1.0207	50.295	.48433	.00020	53.385	.52653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.90000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.626**	**.46532**	**.00150**	F **-.00181**	**2.1095**	F **.00585**	**.01252**	F **-.00019**	**.97570**	**.99503**
Stddev	.003	.00472	.00140	.00056	.0093	.00647	.01384	.00042	.01043	.00506
%RSD	.02356	1.0140	93.337	30.962	.44022	110.50	110.50	218.98	1.0688	.50853
#1	10.624	.46198	.00249	-.00141	2.1029	.00128	.00274	.00010	.96833	.99861
#2	10.628	.46866	.00051	-.00220	2.1161	.01042	.02231	-.00049	.98308	.99146
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass
High Limit				.55499		11.000		2.2600		
Low Limit				.44000		9.0000		1.7000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00318**	**1.9083**	F **3.2734**	**.48270**	**.49424**	F **-.01432**
Stddev	.00032	.0094	.0483	.00160	.00031	.00165
%RSD	9.9172	.49477	1.4770	.33142	.06299	11.544
#1	.00341	1.9017	3.2392	.48383	.49446	-.01549
#2	.00296	1.9150	3.3076	.48157	.49402	-.01315
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	1.1100		2.3000			.57500
Low Limit	.90000		1.7000			.42500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6769.7**	**77331.**	**6113.7**
Stddev	11.3	169.	67.7
%RSD	.16680	.21849	1.1074
#1	6777.7	77212.	6161.6
#2	6761.7	77451.	6065.8

Sample Name: 280-49176-b-1-a Acquired: 11/15/2013 6:58:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.08750**	**-.00176**	**.23812**	**.11525**	**-.00005**	**.00306**	**127.44**	**.00055**	**-.00017**
Stddev	.00018	.00038	.00162	.00058	.00126	.00001	.00220	1.32	.00021	.00005
%RSD	12.854	.43099	91.733	.24491	1.0909	23.473	71.905	1.0347	37.441	28.004
#1	-.00125	.08777	-.00291	.23770	.11614	-.00006	.00150	128.37	.00041	-.00013
#2	-.00150	.08723	-.00062	.23853	.11436	-.00004	.00461	126.51	.00070	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00084**	**.11981**	**4.6265**	**.04784**	**39.010**	**.10612**	**.00378**	**192.17**	**.00141**
Stddev	.00001	.00002	.00496	.0675	.00107	.050	.00021	.00001	1.49	.00021
%RSD	1.6788	2.5909	4.1385	1.4583	2.2435	.12845	.19981	.29035	.77552	15.044
#1	.00033	.00086	.12332	4.6742	.04708	39.045	.10627	.00379	193.23	.00126
#2	.00032	.00083	.11630	4.5788	.04860	38.975	.10597	.00377	191.12	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05617**	**-.00012**	**134.31**	**.00059**	**.00421**	**5.3731**	**11.498**	**-.00140**	**1.8144**	**.00350**
Stddev	.00003	.00144	.61	.00050	.00292	.0334	.071	.00003	.0178	.00128
%RSD	.05460	1217.1	.45423	83.928	69.415	.62090	.62090	2.3656	.97928	36.639
#1	.05619	.00090	133.87	.00094	.00214	5.3967	11.549	-.00142	1.8269	.00259
#2	.05615	-.00114	134.74	.00024	.00627	5.3495	11.448	-.00137	1.8018	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**.00067**	**.01400**	**.00182**	**.00804**	**.00059**
Stddev	.00021	.00189	.03789	.00011	.00007	.00115
%RSD	11.766	284.03	270.58	6.1661	.90471	194.56
#1	.00197	-.00067	.04080	.00190	.00799	-.00022
#2	.00167	.00201	-.01279	.00174	.00809	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6676.7**	**75101.**	**6061.5**
Stddev	28.1	238.	71.7
%RSD	.42151	.31720	1.1828
#1	6696.6	75270.	6010.8
#2	6656.8	74933.	6112.2

Sample Name: 280-49176-b-1-aSD@5 Acquired: 11/15/2013 7:01:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.02638**	**-.00236**	**.05234**	**.02453**	**-.00007**	**.00330**	**27.028**	**-.00009**	**-.00027**
Stddev	.00088	.00049	.00321	.00014	.00003	.00012	.00313	.046	.00003	.00005
%RSD	58.111	1.8563	136.32	.27316	.13231	168.96	94.701	.17074	27.757	18.118
#1	-.00089	.02603	-.00008	.05224	.02450	.00001	.00551	26.995	-.00007	-.00024
#2	-.00213	.02673	-.00463	.05245	.02455	-.00015	.00109	27.061	-.00011	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00023**	**.03961**	**1.0490**	**.01076**	**8.5113**	**.02329**	**.00051**	**41.794**	**.00048**
Stddev	.00009	.00053	.00217	.0370	.00170	.0497	.00004	.00003	.338	.00003
%RSD	83.946	227.75	5.4784	3.5242	15.811	.58342	.16964	5.8535	.80819	7.2238
#1	.00018	-.00061	.04115	1.0752	.01196	8.5464	.02331	.00053	42.033	.00050
#2	.00005	.00014	.03808	1.0229	.00956	8.4762	.02326	.00049	41.556	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**-.00055**	**28.235**	**-.00042**	**.00064**	**1.1356**	**2.4301**	**.00117**	**.38282**	**.00338**
Stddev	.00031	.00008	.017	.00022	.00186	.0045	.0095	.00007	.00169	.00035
%RSD	2.9266	13.698	.05906	51.178	291.60	.39195	.39195	6.1811	.44213	10.296
#1	.01022	-.00050	28.223	-.00057	-.00068	1.1387	2.4368	.00122	.38162	.00363
#2	.01065	-.00061	28.247	-.00027	.00195	1.1324	2.4233	.00112	.38402	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00068**	**-.00059**	**.00061**	**.00789**	**-.00078**
Stddev	.00043	.00012	.02826	.00016	.00013	.00003
%RSD	268.29	17.243	4753.7	26.018	1.6225	3.8332
#1	-.00015	.00076	.01939	.00072	.00779	-.00076
#2	.00047	.00059	-.02058	.00050	.00798	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6942.2**	**79021.**	**6313.2**
Stddev	17.6	59.	7.6
%RSD	.25420	.07478	.12113
#1	6929.7	78979.	6318.6
#2	6954.7	79063.	6307.8

Sample Name: 280-49176-b-1-b ms Acquired: 11/15/2013 7:03:41 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05504**	**2.1049**	**1.1162**	**.24110**	**2.2112**	**.04711**	F **2.2438**	**171.10**	**.10219**	**.49735**
Stddev	.00054	.0015	.0019	.00232	.0181	.00097	.0038	1.38	.00005	.00051
%RSD	.98632	.07379	.17010	.96258	.81969	2.0526	.17059	.80562	.05212	.10262
#1	.05542	2.1038	1.1149	.23946	2.2240	.04779	2.2465	172.08	.10223	.49771
#2	.05466	2.1060	1.1176	.24274	2.1984	.04642	2.2411	170.13	.10216	.49699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21856**	**.26121**	**1.1407**	**57.868**	**1.1151**	**91.523**	**.60696**	**.00426**	**245.86**	**.53124**
Stddev	.00015	.00125	.0252	.433	.0111	.126	.00048	.00003	1.81	.00192
%RSD	.06664	.47771	2.2119	.74900	.99851	.13719	.07837	.60892	.73461	.36075
#1	.21866	.26209	1.1586	58.174	1.1230	91.434	.60729	.00428	247.14	.52988
#2	.21845	.26032	1.1229	57.561	1.1072	91.611	.60662	.00425	244.58	.53259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.542**	**.46877**	**138.61**	**-.00166**	**2.2440**	**5.4349**	**11.631**	**-.00121**	**2.8248**	**1.0321**
Stddev	.008	.00003	.10	.00064	.0012	.0550	.118	.00081	.0229	.0000
%RSD	.07213	.00549	.07045	38.491	.05410	1.0122	1.0122	66.676	.80936	.00323
#1	11.547	.46875	138.55	-.00121	2.2449	5.4738	11.714	-.00064	2.8409	1.0320
#2	11.536	.46879	138.68	-.00211	2.2432	5.3960	11.547	-.00178	2.8086	1.0321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00535**	**1.8631**	**3.3771**	**.50471**	**.51140**	W **-.01493**
Stddev	.00016	.0016	.0357	.00232	.00196	.00109
%RSD	3.0601	.08750	1.0579	.45883	.38256	7.3340
#1	.00523	1.8619	3.3518	.50635	.51001	-.01416
#2	.00546	1.8642	3.4024	.50307	.51278	-.01570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6586.5**	**74723.**	**6242.0**
Stddev	4.2	249.	16.5
%RSD	.06432	.33318	.26381
#1	6583.5	74899.	6230.3
#2	6589.5	74547.	6253.6

Sample Name: 280-49176-b-1-c msd Acquired: 11/15/2013 7:05:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05384	2.0623	1.0983	.23800	2.1785	.04613	F 2.2134	169.49	.10038	.48997
Stddev	.00004	.0019	.0019	.00167	.0024	.00015	.0041	.65	.00008	.00000
%RSD	.07253	.09367	.17180	.70008	.11076	.32515	.18552	.38562	.08099	.00086
#1	.05387	2.0637	1.0997	.23682	2.1768	.04624	2.2105	169.03	.10044	.48997
#2	.05382	2.0609	1.0970	.23918	2.1802	.04603	2.2163	169.95	.10033	.48998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21519	.25641	1.1108	57.098	1.0952	89.513	.59466	.00393	244.00	.52331
Stddev	.00099	.00187	.0134	.266	.0033	.082	.00215	.00034	.89	.00383
%RSD	.45915	.72771	1.2062	.46639	.29827	.09175	.36204	8.6768	.36340	.73184
#1	.21450	.25509	1.1202	56.910	1.0975	89.455	.59314	.00369	243.37	.52060
#2	.21589	.25773	1.1013	57.286	1.0929	89.571	.59618	.00417	244.63	.52602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.310	.46140	137.16	-.00216	2.2140	5.3692	11.490	-.00028	2.7955	1.0134
Stddev	.004	.00116	.22	.00075	.0027	.0220	.047	.00011	.0024	.0038
%RSD	.03521	.25090	.16019	35.030	.12378	.40874	.40874	39.362	.08759	.37516
#1	11.308	.46221	137.01	-.00269	2.2160	5.3847	11.523	-.00021	2.7938	1.0107
#2	11.313	.46058	137.32	-.00162	2.2121	5.3537	11.457	-.00036	2.7972	1.0161
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00489	1.8384	3.3137	.49392	.49974	W -.01418
Stddev	.00004	.0019	.0223	.00067	.00006	.00045
%RSD	.74953	.10420	.67322	.13638	.01169	3.1695
#1	.00487	1.8397	3.2979	.49345	.49970	-.01386
#2	.00492	1.8370	3.3295	.49440	.49978	-.01450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6606.2	75252.	6213.1
Stddev	8.5	43.	45.7
%RSD	.12898	.05721	.73505
#1	6600.2	75221.	6245.4
#2	6612.2	75282.	6180.8

Sample Name: 280-49176-b-2-a Acquired: 11/15/2013 7:08:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.11696**	**-.00415**	**.25441**	**.10992**	**-.00005**	**.00338**	**132.70**	**.00064**	**-.00007**
Stddev	.00029	.00001	.00159	.00004	.00012	.00002	.00322	.60	.00007	.00001
%RSD	28.849	.01197	38.331	.01655	.11359	44.645	95.399	.45342	11.086	12.634
#1	-.00122	.11695	-.00302	.25444	.10983	-.00004	.00566	133.13	.00069	-.00007
#2	-.00080	.11697	-.00527	.25438	.11001	-.00007	.00110	132.28	.00059	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00062**	**.13804**	**4.6605**	**.04768**	**39.450**	**.16006**	**.00386**	**204.94**	**.00123**
Stddev	.00002	.00012	.00027	.0454	.00145	.047	.00043	.00021	.19	.00025
%RSD	6.2587	19.668	.19562	.97430	3.0415	.11787	.26571	5.3436	.09457	20.411
#1	.00024	.00054	.13823	4.6926	.04870	39.417	.16036	.00372	205.08	.00140
#2	.00027	.00071	.13784	4.6284	.04665	39.482	.15976	.00401	204.80	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05560**	**-.00111**	**151.97**	**-.00040**	**.00670**	**5.2559**	**11.248**	**-.00096**	**1.8549**	**.00438**
Stddev	.00083	.00096	.19	.00117	.00063	.0289	.062	.00046	.0076	.00155
%RSD	1.4900	86.876	.12675	293.68	9.4158	.54996	.54996	48.463	.40984	35.470
#1	.05502	-.00179	151.83	.00043	.00715	5.2764	11.291	-.00063	1.8603	.00548
#2	.05619	-.00043	152.11	-.00122	.00625	5.2355	11.204	-.00129	1.8495	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.00164**	**-.00865**	**.00163**	**.00654**	**.00132**
Stddev	.00016	.00104	.01892	.00039	.00020	.00048
%RSD	7.6637	63.431	218.74	23.595	3.1317	36.289
#1	.00221	.00090	-.02202	.00136	.00669	.00166
#2	.00198	.00237	.00473	.00191	.00640	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6787.0**	**77586.**	**6353.5**
Stddev	7.7	105.	74.8
%RSD	.11319	.13535	1.1771
#1	6792.4	77512.	6300.6
#2	6781.5	77660.	6406.4

Sample Name: 280-49176-b-3-a Acquired: 11/15/2013 7:10:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.10528**	**-.00245**	**.25972**	**.10710**	**-.00003**	**.00100**	**127.66**	**.00057**	**-.00003**
Stddev	.00018	.00027	.00047	.00175	.00247	.00005	.00184	2.37	.00018	.00015
%RSD	14.749	.25883	18.978	.67441	2.3062	131.28	183.11	1.8601	30.860	496.40
#1	-.00110	.10508	-.00212	.26096	.10536	.00000	-.00030	125.98	.00045	.00007
#2	-.00136	.10547	-.00278	.25849	.10885	-.00007	.00230	129.34	.00070	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00093**	**.11790**	**4.4515**	**.04755**	**39.734**	**.16206**	**.00381**	**199.22**	**.00156**
Stddev	.00017	.00005	.00347	.0563	.00023	.227	.00088	.00039	4.10	.00028
%RSD	80.992	5.6393	2.9408	1.2647	.47781	.57229	.54244	10.206	2.0605	18.214
#1	.00034	.00090	.11545	4.4117	.04771	39.573	.16144	.00409	196.32	.00136
#2	.00009	.00097	.12035	4.4913	.04739	39.894	.16268	.00354	202.12	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05750**	**.00062**	**153.50**	**-.00060**	**.00138**	**5.0968**	**10.907**	**-.00099**	**1.7954**	**.00260**
Stddev	.00260	.00039	.43	.00112	.00319	.1087	.233	.00044	.0341	.00021
%RSD	4.5206	62.845	.28245	187.47	231.21	2.1321	2.1321	44.097	1.9005	8.1217
#1	.05933	.00089	153.81	-.00139	-.00088	5.0199	10.743	-.00130	1.7712	.00245
#2	.05566	.00034	153.20	.00019	.00363	5.1736	11.071	-.00068	1.8195	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00205**	**.00103**	**.02362**	**.00149**	**.00671**	**.00034**
Stddev	.00018	.00028	.02001	.00018	.00056	.00056
%RSD	8.6015	27.140	84.720	11.870	8.3392	164.29
#1	.00192	.00083	.03777	.00136	.00710	.00073
#2	.00217	.00123	.00947	.00161	.00631	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6726.7**	**77398.**	**6629.1**
Stddev	11.1	138.	33.0
%RSD	.16468	.17883	.49818
#1	6718.9	77495.	6652.5
#2	6734.5	77300.	6605.8

Sample Name: 280-49176-b-4-a Acquired: 11/15/2013 7:12:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.16428**	**-.00212**	**.27732**	**.11006**	**.00001**	**.00189**	**141.97**	**.00070**	**-.00004**
Stddev	.00001	.00058	.00240	.00193	.00180	.00001	.00058	2.38	.00007	.00018
%RSD	.57499	.35096	112.95	.69500	1.6341	99.942	30.902	1.6786	10.485	422.03
#1	-.00147	.16469	-.00382	.27868	.11133	.00000	.00230	143.65	.00065	.00008
#2	-.00148	.16387	-.00043	.27596	.10879	.00003	.00147	140.28	.00075	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00080**	**.17110**	**4.7663**	**.04968**	**40.960**	**.22078**	**.00406**	**224.71**	**.00158**
Stddev	.00005	.00004	.00236	.0647	.00023	.011	.00016	.00029	2.92	.00028
%RSD	12.826	4.7139	1.3769	1.3574	.45448	.02638	.07159	7.0527	1.3007	17.547
#1	.00036	.00077	.17277	4.8120	.04984	40.968	.22089	.00427	226.77	.00178
#2	.00044	.00083	.16943	4.7205	.04952	40.952	.22067	.00386	222.64	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05460**	**-.00007**	**165.75**	**.00048**	**.00498**	**5.4761**	**11.719**	**-.00119**	**1.9632**	**.00201**
Stddev	.00039	.00039	.26	.00165	.00015	.0555	.119	.00026	.0318	.00134
%RSD	.71647	555.93	.15681	342.66	3.0304	1.0129	1.0129	21.833	1.6190	66.671
#1	.05432	.00020	165.94	.00165	.00488	5.5153	11.803	-.00101	1.9856	.00296
#2	.05488	-.00034	165.57	-.00069	.00509	5.4369	11.635	-.00137	1.9407	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**.00033**	**.01509**	**.00192**	**.00655**	**.00165**
Stddev	.00050	.00024	.01118	.00065	.00029	.00106
%RSD	10.985	72.139	74.100	34.047	4.5011	64.179
#1	.00418	.00016	.00718	.00146	.00634	.00090
#2	.00488	.00049	.02300	.00238	.00676	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6727.5**	**76736.**	**6222.0**
Stddev	23.3	41.	56.4
%RSD	.34688	.05278	.90580
#1	6711.0	76707.	6182.2
#2	6744.0	76765.	6261.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 7:15:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00838**	**48.226**	**-.00190**	**.00128**	**.00194**	**-.00005**	W **1.0827**	**.39101**	**.00093**	**-.00109**	**.00025**	**-.00848**
Stddev	.00016	2.705	.00006	.00053	.00178	.00011	.0007	.49204	.00029	.00004	.00017	.00010
%RSD	1.9102	5.6096	3.0653	41.117	91.762	193.04	.06559	125.84	31.733	3.2969	69.754	1.1896
#1	-.00826	50.139	-.00186	.00091	.00068	-.00013	1.0832	.04309	.00114	-.00106	.00012	-.00855
#2	-.00849	46.314	-.00195	.00165	.00320	.00002	1.0822	.73894	.00072	-.00111	.00037	-.00841
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.513**	**.13315**	**.00307**	**.06442**	**-.00024**	**.00078**	**268.61**	**-.00082**	**.00223**	**-.00427**	**5.1411**	**.00062**
Stddev	2.327	.01299	.00023	.00350	.00001	.00001	13.14	.00013	.00198	.00105	.0069	.00147
%RSD	4.6062	9.7547	7.4494	5.4392	2.8974	1.0963	4.8913	15.717	88.829	24.690	.13467	237.43
#1	52.158	.12397	.00291	.06690	-.00025	.00078	277.90	-.00091	.00363	-.00502	5.1362	-.00042
#2	48.868	.14234	.00323	.06194	-.00024	.00079	259.32	-.00073	.00083	-.00353	5.1459	.00166
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00539**	**.02253**	**.04821**	**-.00034**	**.00452**	**5.0188**	**.01293**	**.00227**	F **12.276**	**.00215**	**.00181**	**-.06919**
Stddev	.00148	.01730	.03701	.00038	.00565	.0076	.00077	.00024	.130	.00012	.00007	.00709
%RSD	27.380	76.777	76.777	113.52	124.91	.15127	5.9775	10.657	1.0591	5.7303	3.9511	10.242
#1	-.00434	.01030	.02204	-.00007	.00053	5.0241	.01347	.00244	12.368	.00206	.00176	-.06418
#2	-.00643	.03476	.07438	-.00061	.00852	5.0134	.01238	.00210	12.184	.00223	.00186	-.07420
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7135.5**	**80049.**	**6259.2**
Stddev	22.7	498.	275.6
%RSD	.31815	.62153	4.4028
#1	7119.5	80401.	6064.3
#2	7151.6	79698.	6454.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 7:17:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54066**	**.54184**	**1.0221**	**.52686**	**.51392**	**.46083**	**-.00965**	**4.6262**	**.48681**	**.50344**	**.53239**	**.51462**	**2.5058**
Stddev	.00015	.00008	.0011	.00064	.00077	.00020	.00050	.0033	.00022	.00086	.00051	.00023	.0099
%RSD	.02826	.01457	.10437	.12202	.15035	.04255	5.2306	.07051	.04575	.17095	.09494	.04550	.39584
#1	.54077	.54178	1.0213	.52641	.51447	.46069	-.01001	4.6239	.48697	.50405	.53275	.51478	2.4988
#2	.54055	.54190	1.0228	.52732	.51338	.46097	-.00929	4.6285	.48666	.50283	.53203	.51445	2.5128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.927**	**1.0191**	**20.114**	**.49613**	**.52250**	**5.3558**	**.53359**	**1.0496**	**.95419**	**.03171**	**1.0326**	**1.0523**	**4.8664**
Stddev	.029	.0001	.039	.00015	.00136	.0281	.00009	.0005	.00301	.00109	.0032	.0025	.0020
%RSD	.05896	.00562	.19622	.02983	.26045	.52400	.01739	.04671	.31527	3.4293	.30715	.23389	.04106
#1	49.948	1.0192	20.142	.49624	.52346	5.3359	.53366	1.0492	.95632	.03248	1.0349	1.0506	4.8650
#2	49.906	1.0191	20.086	.49603	.52154	5.3756	.53353	1.0499	.95206	.03094	1.0304	1.0541	4.8678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.414**	**1.0256**	**.49710**	**.00355**	**.50427**	**.99687**	**.01888**	**.48373**	**.49377**	**.48672**
Stddev	.004	.0019	.00075	.00057	.00062	.00193	.00860	.00044	.00103	.00156
%RSD	.04106	.18427	.15021	16.170	.12350	.19382	45.536	.09099	.20841	.31980
#1	10.411	1.0269	.49763	.00314	.50383	.99823	.01280	.48404	.49304	.48782
#2	10.417	1.0242	.49657	.00395	.50471	.99550	.02495	.48341	.49450	.48562
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7109.7**	**81421.**	**6463.2**
Stddev	7.2	319.	50.1
%RSD	.10143	.39228	.77552
#1	7104.6	81647.	6498.7
#2	7114.8	81195.	6427.8

Sample Name: CCB Acquired: 11/15/2013 7:19:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00060**	**-.00140**	**.00126**	**.00008**	**.00000**	**.00294**	**-.00502**	**-.00005**	**.00006**	**-.00018**	**-.00071**	**-.00030**
Stddev	.00049	.00111	.00067	.00000	.00011	.00013	.00180	.00412	.00001	.00017	.00006	.00006	.00060
%RSD	54.087	184.04	47.670	.14373	136.49	3768.1	61.328	82.130	24.095	298.36	32.568	7.7998	196.60
#1	-.00056	-.00018	-.00093	.00126	.00015	.00009	.00166	-.00793	-.00006	.00018	-.00014	-.00074	.00012
#2	-.00124	.00139	-.00188	.00126	.00000	-.00009	.00421	-.00210	-.00004	-.00006	-.00022	-.00067	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13495**	**.00109**	**.00258**	**.00007**	**.00001**	F **.20414**	**-.00040**	**-.00007**	**.00031**	**.02809**	**.00313**	**-.00024**	**.00535**
Stddev	.02302	.00204	.00042	.00004	.00006	.00074	.00015	.00060	.00019	.00170	.00014	.00014	.00557
%RSD	17.061	188.05	16.204	50.815	1071.4	.36456	38.765	860.18	61.694	6.0601	4.3523	59.495	104.18
#1	.11867	-.00036	.00287	.00004	.00005	.20361	-.00029	-.00049	.00044	.02689	.00303	-.00014	.00141
#2	.15123	.00253	.00228	.00009	-.00004	.20466	-.00051	.00035	.00017	.02930	.00322	-.00034	.00929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**-.00002**	**-.00006**	**.00381**	**.00008**	**.00047**	**-.01987**	**-.00087**	**.00283**	**.00103**
Stddev	.01193	.00055	.00009	.00030	.00034	.00064	.03549	.00075	.00000	.00114
%RSD	104.18	2542.8	145.37	7.8370	413.16	136.70	178.58	85.609	.03844	109.96
#1	.00301	.00036	.00000	.00360	.00032	.00002	-.04496	-.00140	.00283	.00023
#2	.01988	-.00041	-.00012	.00402	-.00016	.00093	.00522	-.00034	.00283	.00184
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7138.8**	**82028.**	**6462.7**
Stddev	25.4	646.	52.4
%RSD	.35625	.78745	.81005
#1	7120.8	81571.	6425.7
#2	7156.7	82484.	6499.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 7:21:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.11368**	**.01411**	**.10494**	**.01077**	**.00089**	**.11951**	**.19194**	**.00495**	**.01042**	**.01082**	**.01460**	**.10501**	**3.1210**
Stddev	.00023	.00064	.00008	.00038	.00028	.00005	.00039	.00128	.00009	.00025	.00006	.00046	.00040	.0674
%RSD	2.2354	.55974	.55688	.36679	2.6344	5.4238	.32501	.66546	1.8173	2.4466	.51285	3.1666	.37666	2.1609
#1	.01037	.11413	.01417	.10521	.01057	.00086	.11979	.19103	.00501	.01024	.01078	.01492	.10473	3.0734
#2	.01005	.11323	.01406	.10467	.01098	.00093	.11924	.19284	.00488	.01060	.01086	.01427	.10529	3.1687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**.21338**	**.01042**	**.02038**	**1.2266**	**.04408**	**3.0683**	**.00881**	**.02040**	**.01023**	**.01688**	**.50273**	**1.0758**	**.10543**
Stddev	.00072	.00298	.00008	.00007	.0006	.00033	.0053	.00060	.00178	.00068	.00493	.01147	.0245	.00030
%RSD	5.6949	1.3951	.78633	.32171	.04478	.75599	.17246	6.8444	8.7099	6.6290	29.230	2.2817	2.2817	.28169
#1	.01323	.21127	.01037	.02043	1.2262	.04385	3.0721	.00923	.01914	.00975	.02037	.49462	1.0585	.10564
#2	.01221	.21548	.01048	.02034	1.2270	.04432	3.0646	.00838	.02165	.01071	.01339	.51084	1.0932	.10522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.01690**	**.00975**	**.01658**	**.04259**	**.00955**	**.02523**	**.01472**
Stddev	.00023	.00092	.00013	.00009	.02156	.00006	.00011	.00057
%RSD	2.2818	5.4655	1.2841	.54294	50.623	.58352	.44497	3.8517
#1	.00987	.01756	.00984	.01665	.02734	.00951	.02531	.01513
#2	.01020	.01625	.00966	.01652	.05783	.00959	.02515	.01432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7316.8**	**83721.**	**6537.4**
Stddev	1.0	43.	32.8
%RSD	.01341	.05095	.50131
#1	7316.2	83691.	6560.6
#2	7317.5	83751.	6514.2

Sample Name: 280-49127-a-2-a Acquired: 11/15/2013 7:24:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.15547**	**-.00088**	**.07030**	**.01530**	**-.00004**	**.00303**	**18.504**	**-.00008**	**-.00017**
Stddev	.00009	.00020	.00247	.00073	.00007	.00009	.00088	.004	.00004	.00019
%RSD	6.5548	.12936	280.23	1.0381	.46222	227.11	28.984	.02024	53.486	107.08
#1	-.00131	.15561	.00087	.07082	.01525	.00002	.00241	18.501	-.00005	-.00031
#2	-.00144	.15533	-.00263	.06979	.01535	-.00010	.00365	18.506	-.00010	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01482**	**.03105**	**.09982**	**.69171**	**.00174**	**1.4563**	**.00221**	**.00033**	**4.8061**	**.00323**
Stddev	.00003	.00064	.00037	.03411	.00046	.0020	.00004	.00019	.0103	.00020
%RSD	.18599	2.0480	.36614	4.9317	26.329	.13505	1.8955	58.551	.21464	6.0707
#1	.01480	.03150	.10008	.71584	.00142	1.4577	.00218	.00046	4.7988	.00337
#2	.01484	.03060	.09956	.66759	.00207	1.4549	.00224	.00019	4.8134	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02326**	**.00058**	**4.0801**	**-.00007**	**.00146**	**2.6324**	**5.6334**	**-.00048**	**.05378**	**.00192**
Stddev	.00036	.00005	.0124	.00085	.00254	.0091	.0194	.00070	.00003	.00045
%RSD	1.5288	8.7053	.30272	1159.1	174.43	.34516	.34516	145.74	.05175	23.252
#1	.02351	.00061	4.0888	-.00068	.00325	2.6260	5.6196	-.00098	.05380	.00160
#2	.02301	.00054	4.0714	.00053	-.00034	2.6389	5.6471	.00001	.05376	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00001**	**.03026**	**.00072**	**.00999**	**.00663**
Stddev	.00032	.00105	.05110	.00008	.00006	.00177
%RSD	30.137	7760.0	168.89	11.304	.58120	26.666
#1	.00128	-.00075	.06640	.00078	.01003	.00788
#2	.00083	.00073	-.00588	.00066	.00994	.00538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7199.7**	**82730.**	**6531.9**
Stddev	2.8	396.	7.2
%RSD	.03943	.47844	.11012
#1	7197.7	82450.	6526.8
#2	7201.7	83010.	6536.9

Sample Name: 280-49177-c-11-a Acquired: 11/15/2013 7:27:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.14645**	**.00595**	**.10338**	**.30631**	**-.00001**	**-.00107**	**74.952**	**.00032**	**.01934**
Stddev	.00017	.00035	.00001	.00085	.00050	.00001	.00168	.219	.00005	.00006
%RSD	15.637	.23945	.20187	.82423	.16381	135.03	157.22	.29162	14.636	.32223
#1	-.00094	.14620	.00596	.10278	.30666	-.00001	-.00225	75.107	.00035	.01939
#2	-.00118	.14670	.00594	.10398	.30595	.00000	.00012	74.797	.00028	.01930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01287**	**.00083**	**.27360**	**1.3787**	**.03590**	**22.222**	**.32819**	**.00267**	**71.307**	**.00941**
Stddev	.00016	.00003	.00171	.0163	.00230	.092	.00106	.00017	.256	.00033
%RSD	1.2319	3.4813	.62603	1.1821	6.4022	.41266	.32323	6.1846	.35918	3.4748
#1	.01276	.00081	.27239	1.3902	.03753	22.158	.32744	.00279	71.488	.00964
#2	.01298	.00085	.27481	1.3672	.03428	22.287	.32894	.00256	71.126	.00918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04190**	**-.00048**	**13.592**	**-.00037**	**.00155**	**13.216**	**28.281**	**-.00068**	**.47261**	**.00134**
Stddev	.00106	.00081	.083	.00210	.00297	.029	.062	.00023	.00062	.00192
%RSD	2.5315	167.75	.60950	569.94	192.11	.21962	.21962	34.463	.13080	143.36
#1	.04265	-.00106	13.533	-.00186	-.00055	13.236	28.325	-.00084	.47305	-.00002
#2	.04115	.00009	13.650	.00112	.00365	13.195	28.238	-.00051	.47217	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.00162**	**.03218**	**.00092**	**.00958**	**-.00032**
Stddev	.00025	.00078	.02100	.00030	.00009	.00061
%RSD	8.4991	48.120	65.260	31.923	.96497	192.91
#1	.00314	.00218	.04702	.00113	.00951	-.00075
#2	.00278	.00107	.01733	.00072	.00964	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.1**	**79709.**	**6441.2**
Stddev	16.8	366.	49.5
%RSD	.24465	.45899	.76898
#1	6891.0	79968.	6406.1
#2	6867.2	79450.	6476.2

Sample Name: 280-49177-c-12-a Acquired: 11/15/2013 7:29:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**.00557**	**-.00180**	**.00064**	**.00036**	**-.00007**	**.00102**	**.03193**	**.00002**	**-.00012**
Stddev	.00013	.00012	.00224	.00023	.00035	.00000	.00043	.00022	.00014	.00014
%RSD	9.7572	2.0783	124.40	35.703	97.451	2.2680	42.201	.68255	876.25	115.41
#1	-.00139	.00549	-.00338	.00080	.00061	-.00007	.00132	.03208	-.00009	-.00022
#2	-.00121	.00565	-.00022	.00048	.00011	-.00007	.00071	.03177	.00012	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00103**	**.01539**	**.11753**	**.00147**	**.00573**	**.00044**	**-.00009**	**.22449**	**-.00018**
Stddev	.00007	.00027	.00116	.01357	.00065	.00080	.00004	.00012	.00325	.00005
%RSD	262.51	26.500	7.5409	11.544	44.244	14.023	9.8058	125.20	1.4474	30.867
#1	.00002	.00122	.01622	.12713	.00193	.00629	.00041	-.00001	.22679	-.00021
#2	-.00007	.00084	.01457	.10794	.00101	.00516	.00047	-.00018	.22220	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00560**	**.02217**	**.00114**	**-.00201**	**.01021**	**.02184**	**-.00031**	**.00007**	**.00183**
Stddev	.00006	.00139	.00222	.00172	.00348	.01297	.02776	.00031	.00000	.00286
%RSD	9.6834	24.898	10.006	151.28	172.97	127.09	127.09	100.83	2.7437	156.69
#1	-.00067	.00461	.02374	-.00008	.00045	.01938	.04147	-.00009	.00007	-.00020
#2	-.00058	.00658	.02061	.00236	-.00447	.00103	.00221	-.00053	.00007	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00008**	**-.01890**	**.00014**	**.00671**	**-.00001**
Stddev	.00044	.00052	.05187	.00002	.00005	.00004
%RSD	146.60	637.86	274.43	16.156	.73295	745.37
#1	.00061	-.00045	.01778	.00016	.00674	.00002
#2	-.00001	.00029	-.05558	.00012	.00667	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7147.7**	**82489.**	**6429.2**
Stddev	.1	56.	6.9
%RSD	.00085	.06774	.10685
#1	7147.6	82449.	6434.0
#2	7147.7	82528.	6424.3

Sample Name: 280-49177-c-13-a Acquired: 11/15/2013 7:32:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.03227**	**-.00040**	**.00103**	**.00090**	**-.00006**	**.00166**	**.28661**	**-.00005**	**-.00023**
Stddev	.00015	.00005	.00239	.00065	.00016	.00003	.00108	.00032	.00006	.00030
%RSD	13.173	.16602	594.38	63.193	17.450	58.517	65.033	.10997	126.86	129.02
#1	-.00126	.03224	-.00209	.00057	.00101	-.00008	.00089	.28638	-.00001	-.00044
#2	-.00104	.03231	.00129	.00149	.00078	-.00003	.00242	.28683	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00116**	**.03025**	**.11919**	**.00033**	**.01128**	**.00029**	**-.00030**	**.80726**	**-.00003**
Stddev	.00004	.00051	.00526	.02422	.00173	.00282	.00000	.00014	.00811	.00023
%RSD	16.028	44.399	17.395	20.322	518.26	24.981	.22467	47.179	1.0050	667.10
#1	.00025	.00079	.03397	.10206	-.00089	.01327	.00029	-.00020	.81300	-.00020
#2	.00031	.00152	.02653	.13631	.00155	.00929	.00029	-.00040	.80153	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00007**	**.01502**	**-.00061**	**.00047**	**1.5211**	**3.2551**	**-.00019**	**.00041**	**.00252**
Stddev	.00146	.00004	.00155	.00117	.00012	.0035	.0075	.00035	.00001	.00081
%RSD	555.77	61.348	10.329	191.70	25.152	.23069	.23069	183.38	2.2776	32.219
#1	-.00077	.00010	.01611	-.00144	.00039	1.5186	3.2498	.00006	.00041	.00310
#2	.00129	.00004	.01392	.00022	.00056	1.5236	3.2604	-.00044	.00042	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00004**	**-.04698**	**-.00045**	**.00400**	**.00080**
Stddev	.00001	.00001	.00726	.00047	.00047	.00143
%RSD	1.7066	23.416	15.453	104.47	11.819	179.08
#1	.00049	.00004	-.05211	-.00012	.00434	-.00021
#2	.00048	.00005	-.04184	-.00078	.00367	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7191.3**	**82779.**	**6457.7**
Stddev	5.6	205.	103.9
%RSD	.07856	.24760	1.6085
#1	7187.3	82634.	6384.2
#2	7195.3	82924.	6531.1

Sample Name: 280-49089-a-2-a Acquired: 11/15/2013 7:34:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.37324**	**.00142**	**.18374**	**.10732**	**.00009**	**.00568**	**49.517**	**.00060**	**.00036**
Stddev	.00004	.00029	.00179	.00032	.00158	.00025	.00068	.108	.00003	.00019
%RSD	7.3221	.07744	126.53	.17403	1.4750	274.90	12.047	.21720	4.3278	54.272
#1	-.00057	.37344	.00015	.18351	.10620	-.00009	.00616	49.594	.00059	.00022
#2	-.00051	.37303	.00268	.18396	.10844	.00027	.00519	49.441	.00062	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.12547**	**.68455**	**15.244**	**.02531**	**10.166**	**.15438**	**.00100**	**55.873**	**.00324**
Stddev	.00011	.00010	.04539	.051	.00124	.044	.00045	.00004	.208	.00012
%RSD	4.4221	.07577	6.6299	.33157	4.9063	.43762	.28895	4.1017	.37269	3.5873
#1	.00230	.12540	.65246	15.280	.02443	10.197	.15469	.00097	55.726	.00332
#2	.00245	.12553	.71664	15.208	.02619	10.135	.15406	.00103	56.021	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1434**	**.00250**	**17.087**	**.00141**	**.00472**	**7.7055**	**16.490**	**.00377**	**.36160**	**.00267**
Stddev	.0037	.00021	.015	.00072	.00231	.0386	.083	.00031	.00022	.00230
%RSD	.06006	8.4514	.08866	50.945	48.983	.50125	.50125	8.2767	.05957	86.164
#1	6.1460	.00235	17.098	.00192	.00636	7.6782	16.431	.00355	.36145	.00430
#2	6.1407	.00265	17.077	.00090	.00309	7.7328	16.548	.00399	.36175	.00104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05298**	**.00049**	**-.03835**	**.00529**	**.11873**	**.00436**
Stddev	.00108	.00138	.03147	.00018	.00004	.00071
%RSD	2.0390	279.89	82.061	3.3717	.03079	16.365
#1	.05222	.00147	-.06060	.00516	.11870	.00486
#2	.05374	-.00048	-.01610	.00541	.11875	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.8**	**80598.**	**6507.4**
Stddev	21.0	220.	32.9
%RSD	.30127	.27309	.50613
#1	6984.6	80442.	6484.1
#2	6954.9	80754.	6530.7

Sample Name: 280-49089-a-4-b Acquired: 11/15/2013 7:36:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00984**	**-.00218**	**.00663**	**.00169**	**-.00006**	**.00252**	**.16055**	**-.00001**	**-.00009**
Stddev	.00007	.00004	.00027	.00011	.00007	.00007	.00190	.00700	.00013	.00001
%RSD	6.7919	.45296	12.487	1.5956	3.9041	116.66	75.385	4.3577	1077.9	7.2130
#1	-.00106	.00987	-.00237	.00670	.00174	-.00011	.00118	.16549	.00008	-.00009
#2	-.00096	.00981	-.00198	.00655	.00164	-.00001	.00387	.15560	-.00011	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00863**	**.00579**	**.10327**	**.00197**	**.00993**	**.00048**	**-.00005**	**.23981**	**.00007**
Stddev	.00008	.00068	.00116	.00817	.00244	.00263	.00009	.00004	.00731	.00044
%RSD	80.371	7.9169	20.025	7.9159	123.55	26.465	19.598	69.412	3.0485	602.63
#1	.00004	.00815	.00497	.09749	.00370	.01179	.00041	-.00008	.24498	-.00024
#2	.00016	.00911	.00661	.10905	.00025	.00807	.00054	-.00003	.23465	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00016**	**.03731**	**.00095**	**-.00092**	**.02685**	**.05746**	**-.00063**	**.00087**	**-.00011**
Stddev	.00134	.00008	.00185	.00113	.00083	.00003	.00006	.00032	.00012	.00026
%RSD	18.308	50.187	4.9693	119.37	89.848	.09866	.09866	51.018	13.484	247.64
#1	.00635	-.00010	.03600	.00015	-.00150	.02683	.05742	-.00085	.00095	-.00029
#2	.00824	-.00021	.03862	.00175	-.00034	.02687	.05750	-.00040	.00079	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00071**	**.01451**	**-.00043**	**.02007**	**.00191**
Stddev	.00019	.00086	.00526	.00033	.00005	.00215
%RSD	211.84	121.47	36.239	76.650	.23783	112.71
#1	.00004	.00131	.01823	-.00066	.02010	.00039
#2	-.00022	.00010	.01079	-.00020	.02004	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7255.7**	**84153.**	**6627.1**
Stddev	34.8	223.	6.9
%RSD	.48028	.26455	.10403
#1	7280.4	84310.	6622.2
#2	7231.1	83996.	6631.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 7:39:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00818**	**47.855**	**.00016**	**.00036**	**.00028**	**-.00005**	F **1.1173**	**.01469**	**.00105**	**-.00139**	**.00025**	**-.00795**
Stddev	.00000	.353	.00200	.00021	.00022	.00001	.0000	.00133	.00009	.00002	.00000	.00090
%RSD	.03926	.73816	1253.0	59.352	79.207	17.716	.00031	9.0261	8.4920	1.6517	.54378	11.287
#1	-.00818	48.105	.00157	.00051	.00043	-.00006	1.1173	.01375	.00111	-.00140	.00025	-.00858
#2	-.00817	47.605	-.00125	.00021	.00012	-.00005	1.1173	.01562	.00099	-.00137	.00025	-.00732
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.802**	**.06780**	**.00222**	**.06364**	**-.00028**	**.00079**	**266.85**	**-.00084**	**.00151**	**-.00410**	W **5.2549**	**-.00011**
Stddev	.325	.00038	.00062	.00075	.00005	.00017	2.03	.00027	.00088	.00064	.0188	.00021
%RSD	.65168	.56310	28.066	1.1843	18.749	21.316	.75920	31.814	58.087	15.613	.35862	188.44
#1	50.032	.06753	.00266	.06417	-.00024	.00091	268.29	-.00065	.00089	-.00455	5.2682	.00004
#2	49.573	.06807	.00178	.06311	-.00032	.00067	265.42	-.00103	.00213	-.00364	5.2415	-.00026
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00605**	**-.01343**	**-.02875**	**-.00038**	**.00007**	**5.1092**	**.01411**	**.00313**	F **12.661**	**.00165**	**.00163**	**-.07218**
Stddev	.00282	.02151	.04602	.00016	.00002	.0175	.00006	.00004	.010	.00013	.00056	.00287
%RSD	46.680	160.10	160.10	41.865	30.420	.34250	.44694	1.2567	.07889	8.1062	34.113	3.9828
#1	-.00405	.00177	.00380	-.00027	.00005	5.1215	.01407	.00310	12.654	.00156	.00203	-.07421
#2	-.00805	-.02864	-.06129	-.00049	.00008	5.0968	.01416	.00316	12.668	.00175	.00124	-.07015
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7037.8**	**79780.**	**6480.2**
Stddev	7.5	275.	53.8
%RSD	.10717	.34424	.82975
#1	7043.1	79585.	6442.2
#2	7032.5	79974.	6518.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 7:41:31 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54574**	F **.55470**	**1.0356**	**.53676**	**.52124**	**.46860**	**-.00780**	**4.6152**	**.49553**	**.50974**	**.54143**	**.52138**	**2.5172**
Stddev	.00269	.00612	.0067	.00227	.00095	.00086	.00078	.0225	.00002	.00033	.00005	.00221	.0103
%RSD	.49378	1.1028	.64555	.42287	.18154	.18439	9.9673	.48775	.00378	.06418	.00889	.42460	.40834
#1	.54764	.55038	1.0403	.53836	.52191	.46921	-.00835	4.5993	.49554	.50997	.54139	.52294	2.5100
#2	.54383	.55903	1.0308	.53515	.52057	.46799	-.00725	4.6311	.49552	.50951	.54146	.51981	2.5245
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.422**	**1.0371**	**20.333**	**.50033**	**.52960**	**5.3850**	**.54261**	**1.0686**	**.96400**	**.00930**	**1.0483**	**1.0694**	**4.8809**
Stddev	.023	.0001	.043	.00063	.00287	.0403	.00015	.0145	.00267	.00160	.0047	.0042	.0216
%RSD	.04659	.01201	.20902	.12621	.54156	.74910	.02709	1.3564	.27712	17.232	.44438	.39430	.44204
#1	50.439	1.0371	20.363	.50077	.52757	5.4135	.54251	1.0583	.96211	.01043	1.0450	1.0664	4.8657
#2	50.405	1.0370	20.303	.49988	.53163	5.3565	.54271	1.0788	.96589	.00817	1.0516	1.0724	4.8962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.445**	**1.0380**	**.50498**	**.00658**	**.51071**	**1.0094**	**-.00536**	**.49116**	**.50432**	**.48823**
Stddev	.046	.0054	.00076	.00018	.00038	.0062	.01064	.00098	.00002	.00074
%RSD	.44204	.51724	.15131	2.7768	.07530	.61473	198.44	.20005	.00430	.15086
#1	10.413	1.0342	.50552	.00671	.51099	1.0050	.00216	.49185	.50430	.48771
#2	10.478	1.0418	.50444	.00645	.51044	1.0138	-.01289	.49046	.50433	.48875
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7043.9**	**80953.**	**6507.9**
Stddev	2.4	180.	23.0
%RSD	.03431	.22219	.35409
#1	7045.6	80826.	6491.6
#2	7042.2	81080.	6524.2

Sample Name: CCB Acquired: 11/15/2013 7:43:41 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00106**	**.00030**	**-.00052**	**.00119**	**-.00013**	**-.00004**	**.00168**	**-.00301**	**.00002**	**-.00027**	**-.00007**
Stddev	.00058	.00037	.00029	.00023	.00059	.00005	.00117	.00051	.00026	.00016	.00010
%RSD	54.861	125.86	56.310	19.732	467.26	140.66	69.155	17.012	1325.1	59.049	133.08
#1	-.00065	.00056	-.00072	.00136	.00029	.00000	.00086	-.00265	-.00017	-.00016	-.00014
#2	-.00147	.00003	-.00031	.00102	-.00054	-.00007	.00251	-.00338	.00021	-.00039	.00000
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00003**	**.10870**	**.00241**	**.00119**	**.00002**	**.00004**	W **.16516**	**.00004**	**-.00044**	**-.00019**
Stddev	.00053	.00056	.03637	.00021	.00042	.00008	.00015	.00160	.00013	.00117	.00075
%RSD	90.106	2202.4	33.463	8.6417	35.628	327.23	432.93	.97101	344.66	263.85	387.14
#1	-.00021	-.00037	.08298	.00255	.00089	-.00003	-.00007	.16630	.00013	-.00127	.00034
#2	-.00097	.00042	.13442	.00226	.00149	.00008	.00014	.16403	-.00005	.00038	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.00264**	**-.00035**	**.00237**	**.00508**	**-.00066**	**-.00010**	**.00282**	**.00016**	**.00025**	**-.04747**
Stddev	.00274	.00011	.00076	.00633	.01354	.00070	.00010	.00058	.00021	.00036	.03970
%RSD	27.539	4.0718	216.91	266.79	266.79	106.01	101.69	20.421	133.04	143.06	83.624
#1	.01188	.00271	.00019	.00685	.01465	-.00115	-.00003	.00241	.00031	.00000	-.07554
#2	.00801	.00256	-.00089	-.00210	-.00450	-.00016	-.00017	.00322	.00001	.00050	-.01940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00004**	**.00337**	**.00140**
Stddev	.00038	.00030	.00090
%RSD	1024.0	9.0280	64.250
#1	-.00030	.00315	.00076
#2	.00023	.00358	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7123.1**	**81772.**	**6443.4**
Stddev	24.9	161.	43.5
%RSD	.34936	.19708	.67501
#1	7105.5	81886.	6412.7
#2	7140.7	81658.	6474.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 7:46:02 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01052**	**.11596**	**.01488**	**.10769**	**.01068**	**.00093**	**.12323**	**.18527**	**.00509**	**.01079**	**.01110**	**.01523**	**.10221**
Stddev	.00004	.00020	.00063	.00054	.00013	.00006	.00135	.00039	.00023	.00009	.00006	.00011	.00008
%RSD	.33351	.16972	4.2116	.50596	1.2391	6.5939	1.0920	.21262	4.4474	.79374	.52672	.70417	.07428
#1	.01050	.11582	.01443	.10808	.01059	.00097	.12418	.18500	.00525	.01072	.01114	.01516	.10216
#2	.01055	.11610	.01532	.10731	.01077	.00089	.12228	.18555	.00493	.01085	.01106	.01531	.10227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0815**	**.01105**	**.21971**	**.01059**	**.02055**	**1.2134**	**.04518**	**3.1587**	**.00761**	**.00706**	**.01090**	**.01745**	**.49485**
Stddev	.0778	.00041	.00182	.00002	.00005	.0028	.00016	.0043	.00117	.00164	.00003	.00092	.00695
%RSD	2.5242	3.6876	.82698	.23155	.24107	.23246	.36372	.13780	15.315	23.217	.31548	5.2931	1.4045
#1	3.0265	.01134	.22099	.01060	.02059	1.2154	.04530	3.1556	.00679	.00590	.01088	.01810	.48994
#2	3.1364	.01076	.21843	.01057	.02052	1.2114	.04507	3.1618	.00843	.00822	.01093	.01679	.49977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0590**	**.10762**	**.01006**	**.01668**	**.00999**	**.01754**	F **.08137**	**.00966**	**.02596**	**.01499**
Stddev	.0149	.00167	.00012	.00048	.00009	.00045	.03197	.00013	.00017	.00124
%RSD	1.4045	1.5502	1.1871	2.9036	.92000	2.5372	39.293	1.3424	.66323	8.2930
#1	1.0485	.10880	.00998	.01702	.00993	.01786	.10398	.00975	.02583	.01587
#2	1.0695	.10644	.01014	.01634	.01006	.01723	.05876	.00956	.02608	.01412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7269.6**	**83594.**	**6630.7**
Stddev	2.4	184.	43.1
%RSD	.03280	.22060	.64955
#1	7271.3	83463.	6661.2
#2	7268.0	83724.	6600.3

Sample Name: ICIS Acquired: 11/15/2013 15:17:02 Type: Cal
Method: 6500_025(v7) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00201**	**.00063**	**-.01466**	**-.00010**	**.00134**	**.01392**	**.00092**	**-.00109**	**.00808**	**-.00033**	**-.00009**	**-.00034**	**.00513**
Stddev	.00003	.00005	.00063	.00015	.00007	.00123	.00047	.00005	.00057	.00019	.00013	.00010	.00004
%RSD	1.5004	7.8402	4.2908	145.31	4.8870	8.8620	50.660	4.5692	7.0624	58.256	151.18	28.870	.71287
#1	-.00199	.00059	-.01510	.00000	.00139	.01479	.00059	-.00105	.00849	-.00019	-.00018	-.00041	.00511
#2	-.00203	.00066	-.01421	-.00021	.00129	.01305	.00125	-.00112	.00768	-.00047	.00001	-.00027	.00516

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00051**	**-.00020**	**.00231**	**-.00383**	**.00002**	**.00014**	**.00048**	**.01153**	**-.01160**	**-.00113**	**.00003**	**-.00012**	**-.00012**
Stddev	.00021	.00025	.00284	.00037	.00000	.00001	.00001	.00174	.00002	.00002	.00000	.00002	.00004
%RSD	40.078	126.33	123.00	9.6906	.28441	10.668	2.4493	15.133	.19502	1.4483	9.7808	17.561	35.920
#1	.00066	-.00038	.00432	-.00410	.00002	.00015	.00049	.01030	-.01161	-.00114	.00003	-.00011	-.00015
#2	.00037	-.00002	.00030	-.00357	.00002	.00013	.00047	.01276	-.01158	-.00112	.00003	-.00014	-.00009

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00071**	**.00034**	**.00068**	**.00068**	**.00015**	**-.00078**	**-.00020**	**-.00004**	**-.00034**	**-.00026**	**.00048**	**.00001**	**-.00277**
Stddev	.00005	.00001	.00001	.00001	.00000	.00021	.00001	.00002	.00007	.00001	.00003	.00001	.00084
%RSD	7.7600	3.4631	1.5798	1.5798	.24153	27.245	3.9618	49.984	21.969	5.6544	6.0904	79.351	30.316
#1	.00074	.00035	.00067	.00067	.00015	-.00063	-.00021	-.00002	-.00039	-.00025	.00050	.00000	-.00337
#2	.00067	.00033	.00068	.00068	.00015	-.00093	-.00020	-.00005	-.00029	-.00027	.00046	.00001	-.00218

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.3**	**95752.**	**5846.6**
Stddev	29.3	624.	5.4
%RSD	.42399	.65216	.09291
#1	6933.1	95310.	5850.5
#2	6891.6	96193.	5842.8

Sample Name: ICAL1 Acquired: 11/15/2013 15:19:22 Type: Cal
Method: 6500_025(v7) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.21615**	**.24594**	**.10976**	**.29961**	**5.4651**	**6.7104**	**1.8824**	**1.4338**	**.90514**	**1.0752**	**.31137**	**.67647**	**5.2237**	**2.3173**
Stddev	.00138	.00061	.00005	.00047	.0091	.0083	.0065	.0007	.00137	.0017	.00268	.00065	.0024	.0005
%RSD	.63740	.24800	.04996	.15758	.16585	.12442	.34745	.04901	.15183	.15323	.86191	.09683	.04492	.02181
#1	.21518	.24550	.10972	.29928	5.4716	6.7045	1.8778	1.4333	.90416	1.0740	.30947	.67693	5.2254	2.3176
#2	.21712	.24637	.10980	.29995	5.4587	6.7163	1.8870	1.4343	.90611	1.0763	.31327	.67601	5.2220	2.3169

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.96996**	**1.1453**	**.60583**	**1.7602**	**.70621**	**.13404**	**.46467**	**.20349**	**.10726**	**.32314**	**.32314**	**.27895**	**8.9591**	**.28857**
Stddev	.00918	.0087	.00049	.0073	.00035	.00026	.00113	.00015	.00017	.00047	.00047	.00033	.0084	.00246
%RSD	.94665	.76031	.08081	.41462	.05018	.19377	.24406	.07509	.15585	.14667	.14667	.11671	.09422	.85116
#1	.96346	1.1392	.60548	1.7654	.70596	.13385	.46387	.20359	.10738	.32280	.32280	.27872	8.9651	.28683
#2	.97645	1.1515	.60617	1.7551	.70646	.13422	.46547	.20338	.10714	.32347	.32347	.27918	8.9531	.29031

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.21905**	**.20058**	**.03009**	**.31636**
Stddev	.00011	.00133	.00032	.00049
%RSD	.05025	.66417	1.0724	.15454
#1	.21897	.19964	.02986	.31601
#2	.21913	.20152	.03032	.31670

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6746.7**	**91371.**	**5766.0**
Stddev	9.2	555.	13.9
%RSD	.13666	.60733	.24082
#1	6753.2	91763.	5775.8
#2	6740.1	90978.	5756.1

Sample Name: ICAL2 Acquired: 11/15/2013 15:21:32 Type: Cal
Method: 6500_025(v7) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.4672**	**.24684**	**.68550**	**3.4470**	**.38175**	**.46547**	**.09745**
Stddev	.0214	.00089	.00269	.0129	.00062	.00012	.00031
%RSD	.61771	.36179	.39245	.37414	.16139	.02493	.32019
#1	3.4823	.24621	.68740	3.4562	.38132	.46555	.09723
#2	3.4520	.24747	.68360	3.4379	.38219	.46539	.09767

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6693.7**	**90113.**	**5889.4**
Stddev	.6	568.	34.6
%RSD	.00916	.63039	.58751
#1	6693.3	90515.	5864.9
#2	6694.2	89712.	5913.8

Sample Name: S1-2383189 Acquired: 11/15/2013 15:23:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99508**	**1.0102**	**2.0045**	**1.0033**	**1.0061**	**1.0045**	**-.01822**	**10.039**	**1.0027**	**1.0032**	**1.0017**	**.99641**	**5.0393**
Stddev	.00494	.0043	.0070	.0034	.0020	.0003	.00005	.009	.0008	.0003	.0008	.00517	.0074
%RSD	.49683	.42426	.34893	.34422	.19883	.02511	.26384	.08633	.08210	.02898	.07611	.51931	.14632
#1	.99159	1.0071	1.9996	1.0008	1.0076	1.0047	-.01819	10.045	1.0021	1.0030	1.0012	.99276	5.0445
#2	.99858	1.0132	2.0095	1.0057	1.0047	1.0043	-.01826	10.033	1.0033	1.0034	1.0023	1.0001	5.0340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.37**	**2.0115**	**39.729**	**.99408**	**1.0047**	**10.253**	**10.438**	**1.0029**	**2.0095**	**2.0075**	**.00386**	**2.0100**	**2.0117**
Stddev	.09	.0048	.084	.00110	.0008	.011	.316	.0001	.0117	.0043	.00112	.0083	.0087
%RSD	.08836	.23721	.21026	.11042	.08473	.10654	3.0241	.01454	.58285	.21441	29.016	.41131	.43438
#1	100.31	2.0148	39.670	.99331	1.0041	10.261	10.662	1.0028	2.0178	2.0044	.00307	2.0159	2.0179
#2	100.43	2.0081	39.788	.99486	1.0053	10.246	10.215	1.0030	2.0012	2.0105	.00465	2.0042	2.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9322**	**21.255**	**2.0035**	**1.0043**	**.00603**	**.99753**	**2.0037**	**.02453**	**.99508**	**.99211**	**1.0003**
Stddev	.0240	.051	.0035	.0020	.00072	.00101	.0116	.02112	.00039	.00073	.0004
%RSD	.24142	.24142	.17564	.20298	12.002	.10146	.57982	86.105	.03927	.07323	.03603
#1	9.9153	21.219	2.0059	1.0057	.00654	.99825	2.0119	.00959	.99480	.99262	1.0000
#2	9.9492	21.291	2.0010	1.0029	.00552	.99682	1.9955	.03946	.99535	.99159	1.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6769.4**	**92391.**	**5846.8**
Stddev	9.8	162.	19.3
%RSD	.14412	.17527	.32998
#1	6776.3	92276.	5860.4
#2	6762.5	92505.	5833.2

Sample Name: S2-2382065 Acquired: 11/15/2013 15:26:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00969**	**99.584**	**.00165**	**.00458**	**.00113**	**-.00007**	**1.9618**	**-.00051**	**.00126**	**-.00092**	**.00042**	**.04493**
Stddev	.00123	.307	.00176	.00044	.00007	.00002	.0070	.00009	.00000	.00019	.00002	.00095
%RSD	12.688	.30786	106.46	9.5018	5.9675	26.846	.35604	18.560	.06538	20.176	4.8462	2.1182
#1	-.01055	99.367	.00041	.00489	.00118	-.00006	1.9668	-.00044	.00126	-.00079	.00043	.04426
#2	-.00882	99.801	.00290	.00427	.00109	-.00009	1.9569	-.00058	.00126	-.00105	.00040	.04561
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.257**	**.18029**	**.00323**	**.23372**	**.00387**	**.00384**	**497.11**	**-.00114**	**.00642**	**.00162**	**9.9768**	**.00391**
Stddev	.193	.03507	.00018	.05777	.00153	.00047	.07	.00016	.00071	.00102	.0142	.00224
%RSD	.19454	19.451	5.6481	24.719	39.496	12.297	.01315	13.639	11.067	62.723	.14219	57.226
#1	99.120	.15549	.00336	.19286	.00279	.00350	497.15	-.00103	.00591	.00234	9.9869	.00233
#2	99.393	.20508	.00310	.27457	.00495	.00417	497.06	-.00125	.00692	.00090	9.9668	.00550
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00686**	**.01800**	**.03852**	**.00067**	**.00063**	**9.8849**	**.03007**	**.00316**	**19.957**	**.00943**	**.00026**	**-.15737**
Stddev	.00254	.00659	.01411	.00037	.00000	.0839	.00180	.00138	.119	.00213	.00146	.00998
%RSD	36.944	36.628	36.628	54.703	.05350	.84844	5.9776	43.630	.59709	22.585	568.47	6.3401
#1	-.00866	.01334	.02854	.00093	.00063	9.9442	.02880	.00413	20.041	.00792	-.00077	-.16443
#2	-.00507	.02266	.04849	.00041	.00063	9.8256	.03134	.00218	19.873	.01093	.00129	-.15032
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6703.1**	**90694.**	**5946.6**
Stddev	.4	252.	26.9
%RSD	.00599	.27798	.45260
#1	6703.4	90872.	5927.6
#2	6702.8	90516.	5965.7

Sample Name: ICVH-2380596 Acquired: 11/15/2013 15:38:08 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00380**	**39.688**	**-.00119**	**.00002**	**.00292**	**-.00008**	**.51936**	**.00036**	**.00050**	**.00082**	**.00092**	**.01337**	**79.638**
Stddev	.00053	.116	.00090	.00037	.00010	.00005	.00333	.00204	.00009	.00004	.00006	.00016	.070
%RSD	13.991	.29269	75.361	2084.5	3.2561	63.397	.64142	564.44	18.886	5.4819	5.9741	1.1703	.08835
#1	-.00343	39.606	-.00182	-.00025	.00299	-.00004	.51700	-.00108	.00057	.00078	.00096	.01348	79.589
#2	-.00418	39.770	-.00056	.00028	.00285	-.00011	.52172	.00181	.00043	.00085	.00088	.01326	79.688
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06583**	**.00012**	**.06067**	**.00086**	**.00010**	**40.524**	**.00004**	**.00156**	**.00099**	**3.9163**	**-.00028**	**-.00359**	**-.00315**
Stddev	.02422	.00032	.00200	.00010	.00001	.575	.00017	.00107	.00111	.0052	.00212	.00205	.01353
%RSD	36.785	273.69	3.3017	11.368	10.025	1.4185	455.72	68.323	112.24	.13322	768.66	57.253	429.13
#1	-.04871	-.00011	.06209	.00079	.00009	40.931	.00016	.00232	.00020	3.9200	-.00178	-.00214	.00642
#2	-.08295	.00034	.05925	.00093	.00011	40.118	-.00008	.00081	.00178	3.9126	.00122	-.00504	-.01272
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00675**	**.00053**	**.00015**	**2.8961**	**.00881**	**-.00004**	F **6.0231**	**.00072**	**.00284**	**-.04284**
Stddev	.02896	.00007	.00004	.0021	.00013	.00016	.0022	.00023	.00047	.00327
%RSD	429.13	12.525	25.874	.07236	1.4213	427.70	.03627	31.250	16.629	7.6357
#1	.01373	.00048	.00012	2.8946	.00872	.00007	6.0215	.00056	.00317	-.04053
#2	-.02723	.00058	.00018	2.8976	.00890	-.00015	6.0246	.00088	.00250	-.04516
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							5.0000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7004.7**	**95747.**	**5986.1**
Stddev	10.8	218.	41.3
%RSD	.15477	.22819	.69031
#1	7012.3	95901.	6015.3
#2	6997.0	95592.	5956.9

Sample Name: ICV-2364198 Acquired: 11/15/2013 15:43:45 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25946**	W **.26396**	**.26118**	W **.26392**	**.24615**	**.23653**	**-.00405**	**1.9765**	**.26350**	**.25435**	**.25036**	**.25145**
Stddev	.00015	.00078	.00133	.00069	.00158	.00099	.00087	.0125	.00053	.00068	.00049	.00063
%RSD	.05928	.29578	.50817	.25981	.64330	.41672	21.574	.63386	.20256	.26818	.19718	.25073
#1	.25935	.26451	.26212	.26344	.24503	.23584	-.00343	1.9676	.26312	.25387	.25002	.25100
#2	.25957	.26340	.26024	.26441	.24727	.23723	-.00467	1.9853	.26387	.25484	.25071	.25189
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000		.25000								
Range		5.4900%		5.4900%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24482**	**19.604**	**.24422**	**10.217**	**.24997**	**.24561**	**1.9544**	**.25566**	**2.0202**	**.26247**	**.00446**	**.25281**
Stddev	.00153	.111	.00258	.041	.00002	.00011	.0063	.00081	.0066	.00068	.00109	.00294
%RSD	.62467	.56632	1.0562	.40478	.00692	.04491	.32015	.31830	.32431	.25812	24.370	1.1617
#1	.24374	19.525	.24240	10.246	.24998	.24569	1.9588	.25508	2.0155	.26199	.00523	.25489
#2	.24590	19.682	.24605	10.188	.24995	.24553	1.9500	.25623	2.0248	.26295	.00369	.25073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.53850**	**1.9679**	**4.2114**	**.51210**	**.24573**	**.00097**	**.24824**	W **.54153**	**.00811**	**.24421**	**.25559**	**.24469**
Stddev	.00491	.0276	.0591	.00095	.00135	.00090	.00016	.00061	.00525	.00022	.00158	.00270
%RSD	.91237	1.4037	1.4037	.18546	.55086	92.493	.06498	.11297	64.661	.09175	.61874	1.1038
#1	.53502	1.9484	4.1696	.51277	.24477	.00034	.24835	.54109	.00440	.24405	.25670	.24279
#2	.54197	1.9875	4.2532	.51143	.24669	.00161	.24813	.54196	.01182	.24437	.25447	.24660
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
Value	.50000							.50000				
Range	5.4900%							5.4900%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7004.1**	**95495.**	**5973.6**
Stddev	28.0	231.	83.5
%RSD	.39999	.24141	1.3976
#1	6984.3	95332.	6032.6
#2	7023.9	95658.	5914.6

Sample Name: ICVL2383195 Acquired: 11/15/2013 15:54:10 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00964**	**.10685**	**.01386**	**.09826**	**.00999**	**.00094**	**.10909**	**.20817**	**.00522**	**.01058**	**.01026**	**.01515**	**.10493**
Stddev	.00021	.00057	.00030	.00078	.00017	.00009	.00042	.00059	.00012	.00006	.00012	.00070	.00011
%RSD	2.2253	.53044	2.1871	.79027	1.7059	9.3431	.38601	.28320	2.3554	.52588	1.1853	4.6254	.10870
#1	.00948	.10645	.01407	.09771	.00986	.00088	.10939	.20775	.00513	.01054	.01035	.01466	.10501
#2	.00979	.10725	.01365	.09881	.01011	.00100	.10879	.20858	.00530	.01062	.01018	.01565	.10484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8894**	**.01057**	**.20582**	**.01019**	**.01971**	**.98041**	**.04158**	**2.8944**	**.00986**	**.00171**	**.01272**	**.01564**	**.49630**
Stddev	.0293	.00212	.00394	.00003	.00020	.00240	.00043	.0031	.00030	.00003	.00091	.00078	.01151
%RSD	1.0148	20.086	1.9158	.25292	.99524	.24520	1.0378	.10783	3.0631	1.6428	7.1203	4.9764	2.3198
#1	2.9101	.00907	.20860	.01017	.01957	.97871	.04128	2.8922	.00965	.00169	.01336	.01509	.50444
#2	2.8686	.01207	.20303	.01020	.01985	.98211	.04189	2.8966	.01008	.00173	.01208	.01619	.48816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0621**	**.10514**	**.00992**	**.01403**	**.01012**	**.01604**	F **.07814**	**.00929**	**.02280**	**.01813**
Stddev	.0246	.00004	.00011	.00124	.00029	.00045	.02870	.00019	.00038	.00005
%RSD	2.3198	.03705	1.1509	8.8161	2.8510	2.8252	36.732	2.0004	1.6826	.25526
#1	1.0795	.10511	.00984	.01315	.00992	.01636	.05785	.00916	.02253	.01817
#2	1.0447	.10516	.01000	.01490	.01033	.01572	.09844	.00942	.02307	.01810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6868.4**	**95735.**	**5850.8**
Stddev	.0	39.	66.4
%RSD	.00058	.04097	1.1357
#1	6868.4	95708.	5803.8
#2	6868.5	95763.	5897.8

Sample Name: CCVH-2382126 Acquired: 11/15/2013 15:57:22 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00538**	**49.765**	**-.00255**	**-.00056**	**.00048**	**-.00004**	**.99196**	**-.00057**	**.00067**	**-.00057**	**.00040**	**.02042**	**49.665**
Stddev	.00058	.015	.00122	.00016	.00005	.00004	.00022	.00374	.00004	.00015	.00007	.00012	.036
%RSD	10.732	.03003	47.820	28.982	9.9752	102.75	.02170	661.76	6.1001	27.161	18.443	.58330	.07231
#1	-.00497	49.754	-.00169	-.00068	.00052	-.00001	.99211	-.00321	.00064	-.00067	.00034	.02051	49.639
#2	-.00578	49.776	-.00341	-.00045	.00045	-.00007	.99181	.00208	.00070	-.00046	.00045	.02034	49.690
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07002**	**-.00044**	**.09768**	**.00134**	**-.00008**	**248.84**	**-.00092**	**.00302**	**.00087**	**4.9323**	**-.00238**	**-.00607**	**-.00792**
Stddev	.00504	.00083	.00146	.00002	.00011	.99	.00016	.00161	.00215	.0029	.00069	.00276	.00261
%RSD	7.2044	186.53	1.4924	1.5023	126.56	.39800	16.936	53.458	246.32	.05784	28.850	45.448	32.934
#1	-.07358	-.00103	.09871	.00135	-.00001	249.54	-.00081	.00188	-.00065	4.9343	-.00190	-.00802	-.00976
#2	-.06645	.00014	.09665	.00132	-.00016	248.14	-.00103	.00416	.00240	4.9302	-.00287	-.00412	-.00607
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01694**	**-.00001**	**.00023**	**4.8917**	**.01370**	**.00123**	F **8.9056**	**.00359**	**.00096**	**-.07495**
Stddev	.00558	.00017	.00002	.0030	.00013	.00046	.0367	.00047	.00028	.00181
%RSD	32.934	1549.0	8.3035	.06086	.98541	37.526	.41231	13.020	28.672	2.4139
#1	-.02089	.00011	.00022	4.8896	.01360	.00091	8.9315	.00392	.00077	-.07623
#2	-.01300	-.00013	.00024	4.8938	.01379	.00156	8.8796	.00326	.00116	-.07368
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6890.1**	**92080.**	**5939.8**
Stddev	16.2	281.	31.3
%RSD	.23556	.30556	.52647
#1	6878.7	91881.	5961.9
#2	6901.6	92279.	5917.6

Sample Name: CCV-2383190 Acquired: 11/15/2013 15:59:46 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49506**	**.51132**	**.99001**	**.50025**	**.49401**	**.48961**	**-.01138**	**4.9496**	**.49894**	**.50273**	**.49848**	**.49842**	**2.4698**
Stddev	.00072	.00231	.00112	.00143	.00152	.00096	.00010	.0076	.00142	.00049	.00076	.00178	.0070
%RSD	.14640	.45243	.11268	.28548	.30709	.19705	.88213	.15247	.28372	.09717	.15247	.35667	.28462
#1	.49557	.51295	.99080	.50126	.49508	.49029	-.01145	4.9549	.49994	.50308	.49902	.49968	2.4748
#2	.49454	.50968	.98922	.49924	.49294	.48893	-.01131	4.9442	.49794	.50239	.49795	.49716	2.4649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.884**	**.98025**	**19.582**	**.49366**	**.49862**	**5.0176**	**.50245**	**.98759**	**1.0146**	**.00301**	**1.0025**	**.99492**	**4.9100**
Stddev	.097	.00483	.011	.00069	.00124	.0585	.00084	.00402	.0057	.00041	.0035	.00318	.0049
%RSD	.19750	.49316	.05707	.13890	.24853	1.1653	.16671	.40709	.56074	13.486	.35325	.31993	.09987
#1	48.952	.98367	19.574	.49318	.49950	5.0590	.50304	.99044	1.0186	.00272	1.0050	.99718	4.9135
#2	48.816	.97683	19.590	.49415	.49775	4.9763	.50185	.98475	1.0105	.00329	1.00000	.99267	4.9066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.507**	**.99812**	**.49297**	**.00641**	**.49124**	**1.0263**	**.02526**	**.49165**	**.49094**	**.49393**
Stddev	.010	.00216	.00201	.00201	.00084	.0034	.01159	.00053	.00269	.00082
%RSD	.09987	.21680	.40747	31.341	.17073	.32926	45.895	.10848	.54814	.16614
#1	10.515	.99965	.49439	.00499	.49065	1.0287	.01706	.49203	.48904	.49451
#2	10.500	.99659	.49155	.00783	.49183	1.0239	.03345	.49128	.49285	.49335
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.8**	**94423.**	**6053.6**
Stddev	1.2	369.	12.0
%RSD	.01740	.39107	.19861
#1	6884.7	94684.	6045.1
#2	6883.0	94161.	6062.1

Sample Name: ICB Acquired: 11/15/2013 16:01:55 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00646**	**-.00058**	**-.00029**	**.00000**	**.00015**	**-.00330**	**.00566**	**.00029**	**.00010**	**.00011**	**-.00066**	**.00464**
Stddev	.00003	.00366	.00166	.00001	.0001	.00003	.00007	.00468	.00003	.00004	.00008	.00002	.00096
%RSD	13.580	56.594	286.02	3.1170	1300.3	17.157	2.2433	82.624	9.2001	39.617	72.621	3.5920	20.611
#1	-.00021	.00905	.00059	-.00028	-.00005	.00017	-.00324	.00235	.00031	.00013	.00017	-.00067	.00532
#2	-.00017	.00388	-.00175	-.00029	.00004	.00014	-.00335	.00897	.00027	.00008	.00006	-.00064	.00397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**.00125**	**.00035**	**.00008**	**.00188**	**.02109**	**-.00024**	**.00101**	**-.00001**	**.00317**	**.00304**	**.00056**	**-.00603**
Stddev	.04252	.00138	.00167	.00000	.00016	.00306	.00001	.00015	.00108	.00235	.00083	.00015	.00330
%RSD	648.64	110.56	476.01	3.9914	8.2776	14.511	5.0127	15.209	9651.0	74.165	27.487	27.106	54.834
#1	-.02351	.00027	.00153	.00008	.00177	.02326	-.00024	.00112	-.00078	.00151	.00363	.00045	-.00836
#2	.03662	.00223	-.00083	.00008	.00199	.01893	-.00025	.00090	.00076	.00483	.00245	.00067	-.00369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01289**	**.00087**	**.00011**	**-.00033**	**-.00013**	**-.00032**	**.01856**	**-.00048**	**.00209**	**.00050**
Stddev	.00707	.00025	.00011	.00165	.00019	.00097	.03485	.00030	.00019	.00087
%RSD	54.834	28.503	97.450	504.14	144.84	297.94	187.77	63.723	9.2100	175.16
#1	-.01789	.00070	.00018	-.00150	-.00027	.00036	.04320	-.00026	.00223	-.00012
#2	-.00789	.00105	.00003	.00084	.00000	-.00101	-.00608	-.00069	.00196	.00111
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6859.9**	**96282.**	**5850.5**
Stddev	21.8	60.	25.6
%RSD	.31753	.06216	.43731
#1	6875.3	96240.	5868.6
#2	6844.5	96325.	5832.4

Sample Name: CRI-2383196 Acquired: 11/15/2013 16:05:28 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**.10684**	**.01121**	**.09881**	**.00453**	**.00098**	**.11718**	**.21088**	**.00524**	**.00502**	**.01018**	**.01001**
Stddev	.00062	.00054	.00043	.00006	.00036	.00008	.00115	.00035	.00013	.00007	.00009	.00064
%RSD	6.3151	.50496	3.8281	.05799	7.8669	8.5931	.98168	.16390	2.4757	1.4027	.87210	6.3649
#1	.00941	.10722	.01151	.09885	.00428	.00092	.11799	.21112	.00533	.00497	.01012	.00956
#2	.01029	.10646	.01090	.09877	.00479	.00104	.11636	.21063	.00514	.00507	.01024	.01046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03332**	**.94791**	**.01091**	**.20000**	**.00303**	**.00972**	**.96201**	**.01034**	**.95777**	**.00353**	**.10053**	**.00910**
Stddev	.00075	.01844	.00033	.00200	.00001	.00013	.01730	.00030	.00447	.00058	.00097	.00041
%RSD	2.2416	1.9450	3.0037	.99916	.29438	1.3860	1.7982	2.9069	.46720	16.372	.96390	4.4618
#1	.03280	.96094	.01067	.19859	.00302	.00982	.97424	.01055	.95461	.00394	.09984	.00939
#2	.03385	.93487	.01114	.20141	.00303	.00962	.94977	.01013	.96094	.00312	.10121	.00881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00793**	**.48814**	**1.0446**	**.02077**	**.00489**	F **.00224**	**.00939**	**.01015**	**.06627**	**.00941**	W **.01404**	W **.01421**
Stddev	.00143	.01999	.0428	.00003	.00002	.00131	.00002	.00024	.01341	.00012	.00014	.00200
%RSD	18.036	4.0961	4.0961	.14431	.30698	58.537	.23158	2.3465	20.233	1.2301	1.0068	14.065
#1	.00692	.50227	1.0749	.02080	.00490	.00132	.00940	.01032	.07575	.00949	.01394	.01563
#2	.00894	.47400	1.0144	.02075	.00488	.00317	.00937	.00998	.05679	.00933	.01414	.01280
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
Value	.01000					.01000					.01000	.01000
Range	-20.490%					-50.000%					20.490%	20.490%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.1**	**97633.**	**5938.9**
Stddev	.1	250.	41.7
%RSD	.00145	.25572	.70266
#1	6994.0	97457.	5968.4
#2	6994.2	97810.	5909.4

Sample Name: CRI-2385845 Acquired: 11/15/2013 16:28:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00012**	**-.00226**	**-.00159**	**-.00052**	**.00002**	**-.00054**	**.00441**	**.00023**	**.00010**
Stddev	.00014	.00006	.00027	.00005	.00009	.00001	.00066	.00209	.00001	.00005
%RSD	46.163	47.888	12.027	3.2133	16.712	63.393	121.14	47.340	5.2212	54.165
#1	-.00039	-.00016	-.00207	-.00163	-.00045	.00003	-.00008	.00588	.00022	.00006
#2	-.00020	-.00008	-.00245	-.00155	-.00058	.00001	-.00101	.00293	.00023	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00016**	**-.00096**	**-.06699**	**.00185**	**-.00241**	**.00004**	**-.00047**	**-.03155**	**-.00016**
Stddev	.00005	.00022	.00044	.01199	.00160	.00078	.00004	.00005	.00643	.00012
%RSD	53.940	132.85	46.182	17.903	86.532	32.157	98.655	10.552	20.385	73.877
#1	.00012	-.00031	-.00065	-.07547	.00298	-.00187	.00001	-.00043	-.02701	-.00024
#2	.00005	-.00001	-.00127	-.05851	.00072	-.00296	.00007	-.00050	-.03610	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00011**	**.00125**	**-.00270**	**.01150**	**-.00012**	**-.00025**	**.00020**	**-.00005**	**-.00078**
Stddev	.00051	.00034	.00026	.00096	.00178	.01315	.02814	.00040	.00006	.00027
%RSD	115.31	310.52	20.824	35.438	15.455	11049.	11049.	207.53	130.86	35.263
#1	-.00008	-.00013	.00107	-.00202	.01276	.00918	.01965	.00048	.00000	-.00097
#2	-.00080	.00035	.00144	-.00337	.01024	-.00942	-.02015	-.00009	-.00009	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00052**	**.02383**	**-.00040**	**.02085**	**.00186**
Stddev	.00012	.00010	.02247	.00072	.00025	.00030
%RSD	56.114	19.372	94.288	181.78	1.2171	16.052
#1	-.00013	-.00059	.03972	-.00091	.02067	.00165
#2	-.00031	-.00045	.00794	.00011	.02103	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.0**	**96926.**	**5928.7**
Stddev	122.1	208.	26.5
%RSD	1.7750	.21416	.44707
#1	6792.6	97073.	5947.5
#2	6965.3	96779.	5910.0

Sample Name: ICSA-2341463 Acquired: 11/15/2013 16:38:49 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**496.66**	**-.00370**	**-.00113**	**.00004**	**.00003**	W **-.02256**	**455.03**	W **.00152**	**.00007**	W **.00272**
Stddev	.00037	.67	.00113	.00011	.00005	.00003	.00079	11.04	.00013	.00009	.00021
%RSD	93.953	.13550	30.523	9.5787	144.50	87.025	3.4792	2.4265	8.4576	116.51	7.5895
#1	-.00013	497.14	-.00450	-.00121	.00000	.00005	-.02312	447.22	.00161	.00001	.00257
#2	-.00066	496.19	-.00290	-.00106	.00007	.00001	-.02201	462.84	.00143	.00013	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit							.01200		.00080		.00186
Low Limit							-.01200		-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00323**	**185.11**	**-.12031**	W **.00525**	**495.50**	W **.00068**	**-.00022**	**.06119**	**-.00141**	**-.00134**	**-.00264**
Stddev	.00013	.32	.01608	.00047	1.71	.00000	.00058	.00462	.00035	.00021	.00117
%RSD	3.8955	.17084	13.368	8.8980	.34434	.68694	263.61	7.5535	24.469	15.553	44.356
#1	.00332	185.33	-.13168	.00558	496.70	.00068	.00019	.05792	-.00166	-.00119	-.00347
#2	.00314	184.89	-.10894	.00492	494.29	.00068	-.00064	.06446	-.00117	-.00149	-.00181
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00522		.00050					
Low Limit	-.00272			-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03270**	**.00606**	**.00625**	W **.00935**	**.02001**	**.00132**	W **.01497**	W **-.00994**	W **-.00124**	**-.00559**	**-.01741**
Stddev	.00362	.00334	.00773	.00464	.00994	.00013	.00009	.00239	.00000	.00082	.01239
%RSD	11.073	55.137	123.74	49.649	49.649	9.6906	.61921	23.996	.02809	14.631	71.208
#1	-.03014	.00370	.01171	.00607	.01299	.00123	.01490	-.00825	-.00124	-.00501	-.00864
#2	-.03526	.00843	.00078	.01264	.02704	.00141	.01503	-.01163	-.00124	-.00616	-.02617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit				.00694			.00050	.00800	.00100		
Low Limit				-.06940			-.00050	-.00800	-.00100		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **-.00575**	**-.00225**	W **.00494**
Stddev	.00040	.00104	.00040
%RSD	6.9518	46.050	8.1263
#1	-.00603	-.00152	.00522
#2	-.00546	-.00298	.00465
Check ?	Chk Warn	Chk Pass	Chk Warn
High Limit	.00222		.00476
Low Limit	-.00222		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6251.6**	**81821.**	**5851.4**
Stddev	14.6	42.	27.3
%RSD	.23355	.05098	.46707
#1	6261.9	81850.	5832.0
#2	6241.3	81791.	5870.7

Sample Name: ICSAB-2363707 Acquired: 11/15/2013 16:41:18 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0988**	**497.27**	**2.0326**	**1.8519**	**.49633**	**.47522**	**.94192**	**454.71**	**1.0061**	**.45686**	**.47912**	**.53870**	**183.35**	**52.231**
Stddev	.0006	.56	.0027	.0032	.00027	.00025	.00078	11.73	.0007	.00050	.00054	.00099	.31	.145
%RSD	.05611	.11296	.13119	.17472	.05538	.05185	.08290	2.5791	.07134	.10993	.11167	.18333	.16783	.27836
#1	1.0984	497.67	2.0307	1.8542	.49652	.47539	.94137	463.00	1.0066	.45721	.47950	.53800	183.57	52.334
#2	1.0993	496.88	2.0344	1.8496	.49613	.47504	.94247	446.42	1.0056	.45650	.47875	.53939	183.13	52.128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0596**	**487.02**	**.49500**	**.93964**	**50.917**	**.89612**	**1.9057**	**.90413**	**.92726**	**.97311**	**4.7771**	**9.8194**	**21.013**	**8.8835**
Stddev	.0022	2.01	.00137	.00075	.212	.00014	.0057	.00004	.00265	.00507	.0094	.0232	.050	.0024
%RSD	.20353	.41183	.27677	.08031	.41586	.01614	.30133	.00451	.28592	.52079	.19717	.23610	.23610	.02685
#1	1.0612	485.60	.49597	.94017	51.066	.89602	1.9098	.90410	.92914	.97670	4.7838	9.8030	20.978	8.8852
#2	1.0581	488.43	.49403	.93910	50.767	.89622	1.9017	.90416	.92539	.96953	4.7705	9.8358	21.049	8.8819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99281**	**1.9898**	**.99750**	**8.1700**	**.01873**	**.49161**	**.95882**	**.94411**
Stddev	.00095	.0026	.00225	.0023	.01291	.00043	.00052	.00021
%RSD	.09569	.12934	.22574	.02791	68.907	.08755	.05384	.02208
#1	.99348	1.9916	.99590	8.1716	.02786	.49191	.95918	.94426
#2	.99214	1.9880	.99909	8.1684	.00960	.49130	.95845	.94396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6242.5**	**82445.**	**5818.4**
Stddev	3.0	27.	7.4
%RSD	.04838	.03302	.12661
#1	6244.6	82464.	5823.6
#2	6240.4	82426.	5813.2

Sample Name: LRA-2305343 Acquired: 11/15/2013 16:43:36 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2922**	**.34838**	**10.386**	**9.7001**	**12.097**	**-.00907**	**-.22510**	**.07444**	**2.0558**	**5.0456**	**10.186**	**10.333**	R **508.90**
Stddev	.0122	.01036	.002	.0004	.144	.00006	.00264	.02893	.0018	.0061	.019	.025	4.08
%RSD	.94212	2.9733	.02064	.00452	1.1909	.64468	1.1743	38.870	.08821	.12175	.18690	.24051	.80152
#1	1.2836	.34105	10.388	9.6998	12.199	-.00902	-.22697	.09490	2.0571	5.0500	10.200	10.350	511.79
#2	1.3008	.35570	10.385	9.7004	11.995	-.00911	-.22323	.05398	2.0545	5.0413	10.173	10.315	506.02
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.25523**	**-.00102**	**.06787**	**9.9581**	**5.0557**	**.00708**	**10.195**	**.00970**	**10.493**	**-.08380**	**-.11572**	**5.1058**	**49.166**
Stddev	.01840	.00372	.02077	.0305	.0152	.01458	.016	.00026	.013	.00106	.00139	.0092	.136
%RSD	7.2096	363.70	30.601	.30582	.30114	205.98	.15621	2.7121	.12763	1.2608	1.2027	.18081	.27739
#1	-.26824	-.00365	.08256	9.9365	5.0664	.01739	10.206	.00951	10.503	-.08305	-.11670	5.1123	49.262
#2	-.24222	.00161	.05319	9.9796	5.0449	-.00323	10.183	.00989	10.484	-.08455	-.11473	5.0993	49.069
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**105.21**	**.02598**	**9.9499**	**-.04487**	**10.066**	**5.0620**	**-.01795**	**10.048**	**9.8485**	**.00711**
Stddev	.29	.00123	.1439	.00563	.094	.0114	.02564	.078	.0376	.00175
%RSD	.27739	4.7394	1.4465	12.543	.93643	.22594	142.84	.77856	.38203	24.666
#1	105.42	.02511	9.8481	-.04885	9.9994	5.0701	-.03608	9.9930	9.8219	.00587
#2	105.01	.02685	10.052	-.04089	10.133	5.0539	.00018	10.104	9.8751	.00835
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6711.5**	**92595.**	**5835.2**
Stddev	21.2	196.	10.7
%RSD	.31579	.21159	.18311
#1	6696.5	92733.	5842.8
#2	6726.5	92456.	5827.7

Sample Name: CCVH-2382126 Acquired: 11/15/2013 16:46:49 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00551**	**50.059**	**.00342**	**.02059**	**.00120**	**-.00004**	**1.0151**	**-.00045**	**.00077**	**-.00047**	**.00035**	**.02073**	**49.750**
Stddev	.00020	.001	.00225	.00162	.00033	.00008	.0014	.00127	.00005	.00009	.00017	.00015	.210
%RSD	3.5510	.00125	65.631	7.8759	27.283	225.16	.13479	279.95	6.7794	19.420	50.263	.70685	.42289
#1	-.00565	50.059	.00501	.02174	.00143	.00002	1.0142	-.00135	.00080	-.00053	.00022	.02084	49.899
#2	-.00537	50.060	.00184	.01944	.00097	-.00010	1.0161	.00045	.00073	-.00040	.00047	.02063	49.602
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11947**	**.00141**	**.09704**	**.00144**	**.00857**	**251.48**	**-.00056**	**.00266**	**.00136**	**5.0030**	**-.00118**	**.00022**	**.01654**
Stddev	.00344	.00212	.00115	.00004	.00176	.04	.00006	.00142	.00061	.0011	.00122	.00320	.00688
%RSD	2.8791	149.82	1.1815	2.5310	20.514	.01553	9.9654	53.284	44.565	.02245	103.50	1465.4	41.602
#1	-.11704	-.00008	.09623	.00147	.00733	251.50	-.00060	.00366	.00179	5.0038	-.00204	-.00205	.02140
#2	-.12191	.00291	.09785	.00141	.00981	251.45	-.00052	.00166	.00093	5.0022	-.00032	.00248	.01167
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03539**	**.00032**	**.00077**	**4.8412**	**.01624**	**.00349**	F **8.8407**	**.00408**	**.00106**	**-.07524**
Stddev	.01472	.00005	.00007	.0016	.00016	.00001	.0739	.00028	.00019	.00161
%RSD	41.602	14.787	9.6955	.03309	.99669	.40667	.83577	6.8929	17.517	2.1427
#1	.04580	.00028	.00071	4.8400	.01636	.00350	8.7885	.00388	.00119	-.07638
#2	.02498	.00035	.00082	4.8423	.01613	.00348	8.8930	.00428	.00093	-.07410
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6822.2**	**93129.**	**5867.3**
Stddev	19.1	272.	40.5
%RSD	.27942	.29223	.69000
#1	6835.7	93321.	5838.6
#2	6808.8	92937.	5895.9

Sample Name: CCV-2372889 Acquired: 11/15/2013 16:49:14 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49717**	**.51865**	**1.0106**	**.51852**	**.50095**	**.49592**	**-.01199**	**5.0172**	**.50438**	**.50813**	**.50395**	**.49967**	**2.5144**
Stddev	.00163	.00174	.0068	.00129	.00063	.00097	.00071	.0508	.00092	.00021	.00002	.00032	.0179
%RSD	.32734	.33553	.67470	.24890	.12551	.19556	5.8995	1.0128	.18289	.04208	.00406	.06480	.71156
#1	.49832	.51988	1.0057	.51760	.50051	.49524	-.01249	4.9813	.50503	.50828	.50394	.49990	2.5017
#2	.49602	.51742	1.0154	.51943	.50140	.49661	-.01149	5.0531	.50373	.50798	.50397	.49945	2.5270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.966**	**.99671**	**19.690**	**.49574**	**.51055**	**5.0441**	**.50983**	**.99652**	**1.0309**	**.00391**	**1.0164**	**1.0125**	**4.9548**
Stddev	.193	.00484	.025	.00010	.00065	.0126	.00242	.00012	.0011	.00488	.0032	.0010	.0095
%RSD	.38529	.48594	.12789	.02074	.12702	.25058	.47505	.01221	.10754	124.84	.31594	.09502	.19110
#1	49.830	.99329	19.672	.49581	.51101	5.0352	.50812	.99661	1.0301	.00046	1.0186	1.0118	4.9481
#2	50.103	1.0001	19.708	.49566	.51009	5.0530	.51154	.99644	1.0317	.00736	1.0141	1.0131	4.9615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.603**	**1.0140**	**.49898**	**.00580**	**.49286**	**1.0351**	**.00668**	**.49028**	**.49002**	**.49530**
Stddev	.020	.0009	.00196	.00096	.00001	.0018	.01017	.00082	.00041	.00714
%RSD	.19110	.08889	.39228	16.598	.00270	.17240	152.29	.16745	.08381	1.4421
#1	10.589	1.0146	.49760	.00648	.49285	1.0364	-.00051	.49086	.49031	.49025
#2	10.618	1.0134	.50037	.00512	.49287	1.0338	.01387	.48970	.48973	.50035
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6806.5**	**94678.**	**5850.3**
Stddev	5.8	12.	33.1
%RSD	.08504	.01263	.56647
#1	6810.6	94670.	5873.8
#2	6802.4	94687.	5826.9

Sample Name: CCB Acquired: 11/15/2013 16:51:23 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00185**	**.00193**	F **.01047**	**.00011**	**.00008**	**-.00277**	**.00684**	**.00023**	**.00004**	**.00009**	**-.00046**
Stddev	.00059	.00004	.00023	.00102	.00001	.00000	.00069	.00160	.00001	.00024	.00009	.00041
%RSD	28250.	2.4210	11.669	9.7240	8.1672	5.8082	25.050	23.332	5.3091	581.33	96.260	89.314
#1	.00042	.00182	.00209	.01119	.00011	.00009	-.00228	.00797	.00023	.00021	.00015	-.00075
#2	-.00042	.00188	.00177	.00975	.00010	.00008	-.00326	.00571	.00022	-.00013	.00003	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00721**	**-.00602**	**-.00048**	**.00210**	**.00011**	W **.00357**	**-.01661**	**-.00015**	**-.00074**	**.00084**	**.00300**	**.00301**
Stddev	.00039	.03422	.00186	.00087	.00006	.00095	.00984	.00031	.00047	.00044	.00039	.00094
%RSD	5.4637	568.21	387.86	41.304	51.916	26.530	59.225	216.44	63.122	52.842	12.833	31.138
#1	.00693	-.03022	.00083	.00148	.00015	.00290	-.02357	.00008	-.00041	.00115	.00273	.00235
#2	.00749	.01818	-.00179	.00271	.00007	.00424	-.00966	-.00037	-.00107	.00052	.00327	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00313						
Low Limit						-.00313						

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00964**	**.02063**	**.00033**	**.00021**	**.00023**	**.00017**	**-.00031**	**-.01116**	**-.00047**	**.00225**	W **.00376**
Stddev	.00032	.01742	.03727	.00017	.00000	.00170	.00001	.00028	.01227	.00005	.00005	.00190
%RSD	10.047	180.66	180.66	50.806	2.2353	736.37	6.2182	90.692	109.95	10.714	2.4329	50.625
#1	.00343	.02196	.04699	.00021	.00021	-.00097	.00018	-.00011	-.00248	-.00044	.00229	.00511
#2	.00298	-.00267	-.00572	.00045	.00020	.00144	.00016	-.00050	-.01983	-.00051	.00221	.00241
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6843.0**	**96008.**	**5816.2**
Stddev	34.8	133.	31.1
%RSD	.50803	.13801	.53493
#1	6818.4	96102.	5794.2
#2	6867.6	95915.	5838.2

Sample Name: CCVL2383195 Acquired: 11/15/2013 16:56:45 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00988**	**.10841**	**.01561**	**.10636**	**.01169**	**.00117**	**.11212**	**.23761**	**.00535**	**.01057**	**.01041**	**.01499**	F **.19034**
Stddev	.00010	.00008	.00119	.00111	.00243	.00019	.00037	.03667	.00010	.00021	.00005	.00062	.12627
%RSD	.97447	.06965	7.5955	1.0470	20.780	16.325	.32855	15.433	1.8005	1.9475	.46277	4.1518	66.338
#1	.00981	.10846	.01645	.10715	.01341	.00131	.11238	.26354	.00528	.01042	.01044	.01455	.27963
#2	.00995	.10835	.01477	.10557	.00997	.00104	.11186	.21168	.00542	.01071	.01037	.01543	.10106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9265**	**.01058**	**.20686**	**.01027**	**.02089**	**1.0495**	**.04194**	**2.9383**	**.00980**	**.00540**	**.00968**	**.01686**	**.52219**
Stddev	.0012	.00136	.00145	.00001	.00028	.1005	.00015	.0004	.00067	.00056	.00028	.00152	.01622
%RSD	.04107	12.887	.70078	.13449	1.3549	9.5759	.36114	.01494	6.8531	10.391	2.8414	9.0393	3.1067
#1	2.9257	.01155	.20789	.01028	.02069	1.1205	.04204	2.9386	.00932	.00579	.00949	.01578	.53366
#2	2.9274	.00962	.20584	.01026	.02109	.97842	.04183	2.9380	.01027	.00500	.00988	.01794	.51072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1175**	**.10538**	**.01149**	**.01370**	**.01002**	**.01602**	F **.08083**	**.00967**	**.02281**	**.01517**
Stddev	.0347	.00023	.00210	.00047	.00018	.00073	.00500	.00022	.00040	.00031
%RSD	3.1067	.22106	18.229	3.4077	1.8082	4.5674	6.1912	2.2856	1.7484	2.0356
#1	1.1420	.10521	.01297	.01337	.01015	.01550	.08437	.00983	.02253	.01495
#2	1.0929	.10554	.01001	.01403	.00989	.01653	.07729	.00952	.02310	.01539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6875.6**	**95917.**	**5837.8**
Stddev	15.1	421.	22.6
%RSD	.21994	.43936	.38766
#1	6886.3	95619.	5821.8
#2	6864.9	96215.	5853.8

Sample Name: mb 280-200877/1-a Acquired: 11/15/2013 16:59:08 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00033	.00175	-.00177	W .00433	-.00026	.00002	-.00280	.00879	.00011	-.00002
Stddev	.00051	.00010	.00033	.00008	.00001	.00003	.00125	.00263	.00017	.00003
%RSD	153.65	5.5322	18.387	1.9232	2.3201	129.04	44.800	29.953	147.63	184.30
#1	-.00070	.00168	-.00154	.00439	-.00027	.00000	-.00191	.01065	.00000	-.00004
#2	.00003	.00182	-.00200	.00427	-.00026	.00004	-.00369	.00693	.00023	.00000
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00007	.00577	-.02732	.00007	-.00039	.00014	.00034	-.03977	.00013
Stddev	.00006	.00042	.00089	.01441	.00047	.00232	.00003	.00039	.00263	.00002
%RSD	142.98	636.06	15.430	52.732	662.82	596.49	22.751	115.79	6.6181	16.111
#1	.00008	.00023	.00639	-.03751	-.00026	.00125	.00016	.00006	-.03791	.00011
#2	.00000	-.00036	.00514	-.01714	.00040	-.00203	.00012	.00062	-.04163	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00317	.00056	.00394	-.00007	-.00116	-.00330	-.00706	.00054	.00010	-.00004
Stddev	.00091	.00171	.00093	.00011	.00211	.01566	.03352	.00047	.00000	.00064
%RSD	28.601	305.83	23.648	158.17	182.43	475.04	475.04	87.308	2.3719	1571.7
#1	.00253	-.00065	.00328	.00001	-.00265	-.01437	-.03076	.00021	.00010	-.00050
#2	.00381	.00177	.00460	-.00015	.00034	.00778	.01664	.00087	.00010	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00136	.00733	-.00046	.00245	.00290
Stddev	.00002	.00030	.05048	.00040	.00008	.00058
%RSD	64.829	22.015	688.76	85.678	3.0748	20.010
#1	.00002	-.00157	.04303	-.00074	.00239	.00331
#2	.00006	-.00115	-.02837	-.00018	.00250	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6957.9	97739.	5847.6
Stddev	14.7	57.	6.2
%RSD	.21142	.05842	.10552
#1	6947.5	97699.	5851.9
#2	6968.3	97779.	5843.2

Sample Name: lcs 280-200877/2-a Acquired: 11/15/2013 17:01:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04794**	**1.8977**	**1.0098**	**.99702**	**1.9568**	**.04776**	**2.0592**	**47.785**	**.09947**	**.48415**
Stddev	.00048	.0011	.0007	.00083	.0157	.00038	.0035	.398	.00027	.00036
%RSD	.99254	.05786	.06628	.08372	.80211	.78670	.17014	.83242	.27261	.07382
#1	.04761	1.8969	1.0093	.99643	1.9679	.04802	2.0567	48.067	.09928	.48389
#2	.04828	1.8985	1.0102	.99761	1.9457	.04749	2.0616	47.504	.09966	.48440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19825**	**.25254**	**.96780**	**49.467**	**.98143**	**48.733**	**.48488**	**.99271**	**50.058**	**.48685**
Stddev	.00017	.00094	.00329	.346	.00329	.118	.00080	.00150	.138	.00002
%RSD	.08502	.37379	.33972	.69930	.33564	.24129	.16483	.15131	.27534	.00484
#1	.19813	.25321	.97013	49.712	.98376	48.650	.48432	.99377	50.155	.48683
#2	.19837	.25188	.96548	49.222	.97910	48.816	.48545	.99165	49.961	.48686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9903**	**.49614**	**.00044**	**.49410**	**2.0036**	**9.7338**	**20.830**	**1.9600**	**.97456**	**.97146**
Stddev	.0056	.00196	.00270	.00130	.0124	.0187	.040	.0039	.00666	.00121
%RSD	.05634	.39428	607.83	.26216	.61643	.19226	.19226	.19836	.68334	.12437
#1	9.9943	.49475	.00235	.49501	1.9949	9.7470	20.859	1.9573	.97927	.97061
#2	9.9863	.49752	-.00146	.49318	2.0124	9.7206	20.802	1.9628	.96985	.97231
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98187**	**1.9458**	F **2.3757**	**.48906**	**.48059**	**.47366**
Stddev	.00078	.0034	.0028	.00194	.00103	.00245
%RSD	.07969	.17364	.11909	.39616	.21487	.51741
#1	.98132	1.9434	2.3777	.48769	.47986	.47540
#2	.98242	1.9481	2.3737	.49043	.48132	.47193
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6733.0**	**92766.**	**5860.2**
Stddev	6.6	118.	7.2
%RSD	.09853	.12753	.12349
#1	6728.3	92849.	5855.1
#2	6737.7	92682.	5865.3

Sample Name: 280-49163-c-1-a Acquired: 11/15/2013 17:03:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.18605**	**-.00068**	**.02281**	**.07854**	**.00008**	**-.00142**	**56.853**	**.00046**	**-.00018**
Stddev	.00015	.00050	.00002	.00107	.00059	.00007	.00042	.289	.00002	.00004
%RSD	34.176	.27108	3.4855	4.6828	.75032	88.894	29.772	.50765	3.6010	20.837
#1	-.00056	.18569	-.00066	.02356	.07895	.00013	-.00112	57.057	.00047	-.00021
#2	-.00034	.18640	-.00069	.02205	.07812	.00003	-.00172	56.649	.00044	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00084**	**.31421**	**1.6148**	**.00265**	**16.555**	**.10321**	**.00518**	**60.789**	**.00049**
Stddev	.00013	.00053	.00064	.0457	.00126	.015	.00026	.00099	.442	.00015
%RSD	34.806	63.071	.20312	2.8287	47.660	.09290	.24763	19.119	.72717	29.693
#1	.00028	.00047	.31466	1.6471	.00354	16.544	.10303	.00448	61.101	.00039
#2	.00047	.00122	.31376	1.5825	.00176	16.566	.10339	.00588	60.476	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01637**	**.00060**	**22.929**	**-.00043**	**.00530**	**5.4121**	**11.582**	**.00080**	**.82224**	**.00180**
Stddev	.00045	.00013	.051	.00028	.00142	.0555	.119	.00032	.00468	.00017
%RSD	2.7251	22.151	.22075	65.405	26.728	1.0258	1.0258	39.720	.56917	9.4294
#1	.01669	.00050	22.965	-.00023	.00630	5.4513	11.666	.00058	.82555	.00192
#2	.01606	.00069	22.894	-.00063	.00430	5.3728	11.498	.00103	.81893	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**-.00005**	**-.00044**	**.00018**	**.00380**	**.00439**
Stddev	.00039	.00072	.02666	.00004	.00003	.00097
%RSD	9.1659	1408.9	6038.1	23.985	.87064	22.178
#1	.00400	-.00056	-.01929	.00015	.00378	.00508
#2	.00456	.00046	.01841	.00021	.00382	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6784.3**	**93757.**	**6011.6**
Stddev	11.4	81.	27.3
%RSD	.16797	.08662	.45444
#1	6776.3	93700.	5992.3
#2	6792.4	93815.	6030.9

Sample Name: 280-49163-c-1-aSD@5 Acquired: 11/15/2013 17:05:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.04602**	**-.00080**	**.00663**	**.01529**	**.00000**	**-.00057**	**11.429**	**.00032**	**-.00018**
Stddev	.00042	.00038	.00165	.00028	.00010	.0001	.00083	.074	.00007	.00007
%RSD	118.23	.82687	204.97	4.1948	.63571	2278.6	146.37	.64444	22.242	40.356
#1	-.00006	.04575	.00036	.00643	.01522	-.00007	-.00116	11.481	.00027	-.00013
#2	-.00066	.04628	-.00197	.00683	.01536	.00006	.00002	11.377	.00037	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00010**	**.07740**	**.31086**	**.00109**	**3.3411**	**.02084**	**.00076**	**12.298**	**.00020**
Stddev	.00014	.00007	.00030	.03154	.00006	.0022	.00006	.00026	.452	.00014
%RSD	69.614	70.048	.38216	10.146	5.9223	.06438	.28024	34.402	3.6730	66.182
#1	.00010	.00005	.07719	.33316	.00105	3.3426	.02089	.00058	11.979	.00030
#2	.00030	.00015	.07761	.28856	.00114	3.3396	.02080	.00095	12.617	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00325**	**.00078**	**4.5122**	**-.00100**	**.00201**	**1.0851**	**2.3221**	**.00233**	**.16356**	**.00054**
Stddev	.00105	.00047	.0101	.00113	.00073	.0266	.0570	.00072	.00125	.00010
%RSD	32.168	61.060	.22490	113.12	36.106	2.4535	2.4535	30.878	.76555	18.006
#1	.00251	.00044	4.5050	-.00020	.00150	1.0662	2.2818	.00284	.16444	.00047
#2	.00399	.00111	4.5193	-.00180	.00253	1.1039	2.3623	.00182	.16267	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**-.00006**	**-.01169**	**-.00036**	**.00499**	**.00389**
Stddev	.00036	.00039	.00516	.00002	.00010	.00126
%RSD	69.016	608.97	44.182	6.0074	2.0018	32.526
#1	.00079	.00021	-.00804	-.00035	.00506	.00478
#2	.00027	-.00034	-.01534	-.00038	.00491	.00299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7034.1**	**98308.**	**6036.8**
Stddev	2.9	519.	15.7
%RSD	.04059	.52798	.25996
#1	7032.1	97941.	6047.9
#2	7036.1	98675.	6025.8

Sample Name: 280-49163-c-1-b ms Acquired: 11/15/2013 17:08:21 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04805**	**2.1934**	W **2.4974**	**1.0212**	**1.0335**	**2.0329**	**.04842**	F **2.0470**	**104.27**	**.09902**
Stddev	.00069	.0040	.0515	.0011	.0000	.0061	.00038	.0008	.20	.00021
%RSD	1.4449	.18380	2.0638	.10718	.00272	.30192	.77965	.03810	.19404	.21538
#1	.04854	2.1906	2.4609	1.0219	1.0335	2.0286	.04816	2.0465	104.13	.09917
#2	.04756	2.1963	2.5338	1.0204	1.0335	2.0372	.04869	2.0476	104.42	.09887
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47447**	**.19689**	**.25350**	**1.3021**	**51.856**	**.99330**	**64.003**	**.57690**	**1.0128**	**110.76**
Stddev	.00070	.00001	.00106	.0079	.110	.00387	.196	.00129	.0003	.54
%RSD	.14767	.00366	.41618	.60794	.21171	.38972	.30600	.22369	.02422	.48680
#1	.47398	.19689	.25425	1.2965	51.778	.99056	64.141	.57782	1.0127	110.38
#2	.47497	.19690	.25276	1.3077	51.934	.99604	63.864	.57599	1.0130	111.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47824**	W **10.207**	**.48486**	**23.330**	**.51063**	**2.0223**	**15.839**	**33.895**	**1.9788**	**1.7991**
Stddev	.00024	.009	.00113	.002	.00118	.0026	.069	.148	.0002	.0062
%RSD	.05070	.09219	.23335	.01023	.23181	.12869	.43801	.43801	.00844	.34208
#1	.47807	10.201	.48406	23.329	.51147	2.0205	15.790	33.790	1.9789	1.7947
#2	.47842	10.214	.48566	23.332	.50979	2.0242	15.888	34.000	1.9787	1.8034
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96113**	**.99690**	**1.8723**	**2.3611**	**.48686**	**.46934**	**.48500**
Stddev	.00010	.00116	.0019	.0194	.00022	.00265	.00422
%RSD	.01021	.11649	.10397	.82306	.04600	.56367	.87089
#1	.96120	.99772	1.8736	2.3748	.48701	.47121	.48201
#2	.96106	.99608	1.8709	2.3473	.48670	.46747	.48799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6723.5**	**93056.**	**6054.2**
Stddev	8.7	36.	5.5
%RSD	.12944	.03847	.09124
#1	6729.7	93082.	6058.1
#2	6717.3	93031.	6050.3

Sample Name: 280-49163-c-1-c msd Acquired: 11/15/2013 17:10:27 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04855**	**2.2308**	W **2.5233**	**1.0314**	**1.0399**	**2.0664**	**.04880**	F **2.0631**	**105.64**	**.09986**
Stddev	.00012	.0039	.0419	.0005	.0031	.0221	.00042	.0009	1.30	.00016
%RSD	.24638	.17528	1.6622	.04954	.29639	1.0672	.86658	.04413	1.2307	.15592
#1	.04847	2.2335	2.4937	1.0310	1.0377	2.0508	.04850	2.0624	104.72	.09997
#2	.04864	2.2280	2.5530	1.0317	1.0421	2.0820	.04910	2.0637	106.55	.09975
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48132**	**.19980**	**.25661**	**1.3279**	**52.552**	**1.0113**	**64.266**	**.58406**	**1.0298**	**112.47**
Stddev	.00047	.00007	.00072	.0149	.608	.0100	.198	.00096	.0002	1.22
%RSD	.09832	.03430	.28208	1.1213	1.1571	.99180	.30775	.16368	.02038	1.0815
#1	.48099	.19976	.25712	1.3173	52.122	1.0042	64.406	.58473	1.0296	111.61
#2	.48166	.19985	.25609	1.3384	52.982	1.0184	64.126	.58338	1.0299	113.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48385**	W **10.303**	**.49178**	**23.492**	**.51220**	**2.0314**	**16.044**	**34.334**	**1.9952**	**1.8290**
Stddev	.00016	.002	.00164	.011	.00165	.0009	.068	.146	.0015	.0190
%RSD	.03266	.01645	.33385	.04637	.32228	.04333	.42666	.42666	.07505	1.0361
#1	.48374	10.304	.49062	23.484	.51103	2.0308	15.995	34.230	1.9941	1.8156
#2	.48396	10.302	.49294	23.500	.51336	2.0320	16.092	34.437	1.9962	1.8424
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96906**	**1.0041**	**1.8859**	**2.3950**	**.49405**	**.46960**	**.48720**
Stddev	.00486	.0021	.0006	.0091	.00089	.00132	.00311
%RSD	.50202	.20426	.02906	.38116	.18002	.28150	.63932
#1	.97250	1.0055	1.8856	2.3885	.49342	.47054	.48500
#2	.96562	1.0026	1.8863	2.4014	.49468	.46867	.48940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6693.9**	**93394.**	**6100.3**
Stddev	1.6	400.	25.2
%RSD	.02349	.42828	.41323
#1	6692.8	93111.	6118.1
#2	6695.0	93676.	6082.4

Sample Name: 280-49163-c-2-a Acquired: 11/15/2013 17:12:33 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.02161**	**-.00030**	**.02150**	**.06698**	**.00000**	**-.00288**	**50.161**	**.00038**	**-.00002**
Stddev	.00024	.00050	.00012	.00008	.00023	.0000	.00033	.314	.00007	.00005
%RSD	39.213	2.2981	42.170	.39231	.34308	980.62	11.483	.62621	19.643	238.65
#1	-.00044	.02126	-.00021	.02156	.06714	.00002	-.00311	50.384	.00033	-.00006
#2	-.00077	.02197	-.00038	.02144	.06681	-.00003	-.00265	49.939	.00043	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00108**	**.12831**	**1.5384**	**.00448**	**13.606**	**.06148**	**.00529**	**57.694**	**.00046**
Stddev	.00001	.00024	.00103	.0169	.00164	.064	.00042	.00075	.479	.00005
%RSD	9.4366	21.949	.80140	1.0988	36.661	.47299	.68179	14.126	.82988	9.7653
#1	.00012	.00092	.12758	1.5503	.00332	13.561	.06119	.00476	58.032	.00050
#2	.00013	.00125	.12904	1.5264	.00565	13.652	.06178	.00582	57.355	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**.00053**	**20.311**	**-.00081**	**.00522**	**5.2457**	**11.226**	**.00082**	**.69268**	**-.00108**
Stddev	.00050	.00005	.007	.00204	.00200	.0047	.010	.00063	.00612	.00043
%RSD	4.8074	9.9981	.03620	251.16	38.388	.08963	.08963	76.881	.88386	39.902
#1	.01006	.00056	20.305	-.00226	.00380	5.2491	11.233	.00037	.69701	-.00139
#2	.01076	.00049	20.316	.00063	.00664	5.2424	11.219	.00126	.68835	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00070**	**.03546**	**.00015**	**.00321**	**.00075**
Stddev	.00008	.00010	.00712	.00009	.00023	.00097
%RSD	13.971	13.892	20.091	62.721	7.1294	128.55
#1	.00061	.00063	.04049	.00022	.00305	.00143
#2	.00050	.00077	.03042	.00008	.00338	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6845.7**	**95935.**	**6133.9**
Stddev	11.2	359.	8.7
%RSD	.16370	.37461	.14235
#1	6853.7	96189.	6127.7
#2	6837.8	95681.	6140.0

Sample Name: CCVH-2382126 Acquired: 11/15/2013 17:14:56 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00586**	**49.471**	**-.00037**	**.00372**	**.00029**	**-.00007**	**1.0253**	**.00875**	**.00080**	**-.00048**	**.00024**	**.02410**	**49.442**
Stddev	.00027	.335	.00134	.00018	.00011	.00012	.0038	.00515	.00023	.00006	.00017	.00021	.335
%RSD	4.6844	.67675	364.59	4.7679	38.623	176.41	.37171	58.842	29.046	11.871	69.240	.87558	.67808
#1	-.00566	49.234	-.00131	.00360	.00037	-.00015	1.0280	.01239	.00097	-.00044	.00012	.02425	49.205
#2	-.00605	49.708	.00058	.00385	.00021	.00002	1.0226	.00511	.00064	-.00052	.00036	.02395	49.679
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02346**	**.00105**	**.09582**	**.00141**	**.00130**	**249.64**	**-.00117**	**.00392**	**.00171**	**4.9790**	**-.00149**	**-.00758**	**.00475**
Stddev	.04972	.00083	.00058	.00006	.00013	2.35	.00027	.00096	.00032	.0135	.00054	.00035	.00656
%RSD	211.92	79.677	.60292	4.3382	9.6509	.93992	22.972	24.430	18.556	.27042	36.442	4.6672	138.05
#1	.01170	.00046	.09622	.00146	.00121	247.98	-.00098	.00324	.00194	4.9885	-.00111	-.00783	.00940
#2	-.05862	.00163	.09541	.00137	.00139	251.30	-.00136	.00460	.00149	4.9694	-.00188	-.00733	.00011
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01017**	**.00059**	**.00042**	**4.8730**	**.01441**	**.00283**	F **11.730**	**.00430**	**.00143**	**-.07662**
Stddev	.01405	.00004	.00000	.0179	.00010	.00014	.011	.00009	.00032	.00048
%RSD	138.05	6.6647	.84796	.36760	.67333	4.8295	.09353	2.1555	22.529	.62096
#1	.02011	.00061	.00042	4.8857	.01434	.00273	11.738	.00437	.00165	-.07696
#2	.00024	.00056	.00041	4.8604	.01447	.00293	11.722	.00424	.00120	-.07629
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6838.5**	**93831.**	**6058.3**
Stddev	3.5	405.	119.4
%RSD	.05047	.43205	1.9708
#1	6840.9	93544.	6142.8
#2	6836.0	94117.	5973.9

Sample Name: CCV-2372889 Acquired: 11/15/2013 17:17:19 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49755**	**.51111**	**1.0057**	**.51309**	**.49849**	**.49404**	**-.00888**	**4.9970**	**.50231**	**.50600**	**.50365**	**.50428**	**2.4839**
Stddev	.00104	.00104	.0023	.00173	.00075	.00007	.00126	.0314	.00050	.00001	.00076	.00182	.0115
%RSD	.20894	.20262	.22658	.33637	.15131	.01399	14.162	.62872	.10012	.00185	.15103	.36131	.46270
#1	.49682	.51037	1.0041	.51187	.49902	.49399	-.00977	5.0192	.50195	.50601	.50311	.50299	2.4921
#2	.49829	.51184	1.0073	.51431	.49795	.49409	-.00799	4.9747	.50266	.50599	.50418	.50557	2.4758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.813**	**.98754**	**19.541**	**.49570**	**.50708**	**5.0179**	**.50861**	**1.0021**	**1.0344**	**.00349**	**1.0164**	**1.0101**	**4.9456**
Stddev	.023	.00246	.032	.00089	.00108	.0129	.00082	.0082	.0031	.00034	.0012	.0013	.0431
%RSD	.04644	.24959	.16152	.17960	.21358	.25787	.16032	.82145	.29893	9.7055	.12172	.12894	.87142
#1	49.797	.98928	19.519	.49507	.50631	5.0270	.50803	.99626	1.0322	.00325	1.0155	1.0111	4.9761
#2	49.830	.98580	19.563	.49633	.50784	5.0087	.50918	1.0079	1.0366	.00373	1.0172	1.0092	4.9152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.584**	**1.0124**	**.49675**	**.00514**	**.49101**	**1.0350**	**.01241**	**.49291**	**.48753**	**.49613**
Stddev	.092	.0033	.00057	.00135	.00095	.0045	.00129	.00051	.00022	.00155
%RSD	.87142	.32852	.11550	26.302	.19349	.43379	10.408	.10316	.04490	.31176
#1	10.649	1.0100	.49715	.00610	.49033	1.0318	.01333	.49255	.48737	.49504
#2	10.518	1.0147	.49634	.00419	.49168	1.0382	.01150	.49327	.48768	.49723
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6878.1**	**95838.**	**5984.6**
Stddev	5.7	148.	14.9
%RSD	.08341	.15457	.24928
#1	6882.1	95733.	5995.2
#2	6874.0	95942.	5974.1

Sample Name: CCB Acquired: 11/15/2013 17:19:30 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00045**	**.00007**	**.00238**	**-.00017**	**.00011**	**-.00154**	**.00468**	**.00016**	**.00005**	**-.00004**	**-.00048**	**.00254**
Stddev	.00057	.00006	.00212	.00030	.00004	.00006	.00060	.00306	.00005	.00026	.00007	.00016	.00018
%RSD	861.96	14.242	3149.8	12.805	21.263	61.148	38.914	65.336	29.479	495.24	171.10	33.859	7.0736
#1	.00034	.00041	.00157	.00260	-.00014	.00015	-.00112	.00252	.00020	-.00013	.00001	-.00037	.00266
#2	-.00047	.00050	-.00143	.00217	-.00019	.00006	-.00196	.00684	.00013	.00023	-.00009	-.00060	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00418**	**.00087**	**-.00001**	**.00006**	**.00208**	**.00006**	**-.00018**	**.00066**	**.00044**	**.00395**	**.00178**	**.00330**	**.00259**
Stddev	.00228	.00027	.00154	.00000	.00051	.00247	.00026	.00183	.00002	.00561	.00193	.00252	.01385
%RSD	54.688	30.901	11657.	1.4740	24.694	4291.6	145.21	278.38	4.9675	142.23	108.48	76.383	535.64
#1	.00579	.00106	.00108	.00006	.00172	-.00169	-.00036	-.00064	.00043	.00791	.00315	.00152	.01238
#2	.00256	.00068	-.00110	.00006	.00245	.00180	.00000	.00195	.00046	-.00002	.00041	.00508	-.00721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00554**	**.00048**	**.00004**	**.00044**	**-.00012**	**-.00043**	**-.00076**	**-.00003**	**.00190**	F **.00494**
Stddev	.02965	.00037	.00011	.00005	.00002	.00062	.01320	.00046	.00042	.00199
%RSD	535.64	77.099	310.16	11.488	17.869	143.88	1734.6	1640.0	22.134	40.360
#1	.02650	.00075	.00012	.00041	-.00010	.00001	.00857	-.00035	.00160	.00635
#2	-.01543	.00022	-.00004	.00048	-.00013	-.00087	-.01009	.00029	.00219	.00353
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit										.00476
Low Limit										-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6873.9**	**96604.**	**5912.9**
Stddev	20.3	582.	62.0
%RSD	.29492	.60225	1.0481
#1	6888.2	97016.	5956.8
#2	6859.6	96193.	5869.1

Sample Name: CCVL2383195 Acquired: 11/15/2013 17:21:51 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00948**	**.10739**	**.01404**	**.10316**	**.00972**	**.00095**	**.11175**	**.21261**	**.00522**	**.01055**	**.01064**	**.01480**	**.10408**	**3.0026**
Stddev	.00053	.00022	.00022	.00004	.00021	.00000	.00023	.00057	.00010	.00002	.00005	.00056	.00151	.0052
%RSD	5.5612	.20302	1.5320	.04342	2.1274	.20307	.20530	.26808	1.9189	.16808	.44946	3.7526	1.4542	.17306
#1	.00986	.10724	.01389	.10313	.00957	.00095	.11191	.21301	.00514	.01054	.01061	.01519	.10301	3.0062
#2	.00911	.10755	.01419	.10319	.00986	.00095	.11158	.21221	.00529	.01057	.01067	.01440	.10516	2.9989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	**.20290**	**.01018**	**.02073**	**.99116**	**.04239**	**2.9458**	**.01065**	**.00389**	**.00975**	**.01531**	**.51644**	**1.1052**	**.10606**
Stddev	.00117	.00146	.00013	.00011	.00603	.00015	.0131	.00079	.00123	.00109	.00006	.01485	.0318	.00105
%RSD	10.693	.71733	1.2790	.55131	.60862	.35851	.44545	7.4459	31.541	11.140	.40768	2.8753	2.8753	.98590
#1	.01181	.20187	.01027	.02065	.98690	.04250	2.9551	.01009	.00475	.00898	.01535	.50594	1.0827	.10532
#2	.01015	.20393	.01009	.02081	.99543	.04228	2.9365	.01121	.00302	.01052	.01527	.52694	1.1277	.10680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01008**	**.01277**	**.00980**	**.01581**	**.07260**	**.00974**	**.02251**	**.01888**
Stddev	.00012	.00008	.00004	.00025	.02075	.00008	.00029	.00046
%RSD	1.2173	.61114	.41159	1.5709	28.576	.86928	1.2770	2.4312
#1	.01017	.01272	.00977	.01563	.05793	.00980	.02271	.01855
#2	.00999	.01283	.00983	.01599	.08727	.00968	.02231	.01920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6937.7**	**98121.**	**5914.9**
Stddev	9.6	76.	47.7
%RSD	.13905	.07748	.80563
#1	6944.5	98067.	5881.2
#2	6930.9	98175.	5948.6

Sample Name: 280-49167-c-1-a Acquired: 11/15/2013 17:24:13 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.01157**	**-.00328**	**.02370**	**.46101**	**.00005**	**-.00284**	**3.1418**	**.00032**	**-.00041**
Stddev	.00009	.00375	.00185	.00017	.00205	.00000	.00105	.0329	.00010	.00019
%RSD	14.633	32.372	56.507	.71744	.44483	4.7880	36.878	1.0470	31.262	47.717
#1	-.00070	.01422	-.00459	.02383	.45956	.00005	-.00210	3.1186	.00025	-.00055
#2	-.00056	.00892	-.00197	.02358	.46246	.00005	-.00359	3.1651	.00040	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00344**	**1.7194**	**2.0967**	**.03030**	**.75859**	**.02772**	**.00160**	**315.16**	**.00171**
Stddev	.00032	.00016	.0136	.0075	.00040	.00079	.00010	.00028	2.34	.00025
%RSD	27.177	4.6699	.79080	.35661	1.3165	.10434	.36253	17.561	.74129	14.518
#1	.00142	.00333	1.7098	2.1020	.03002	.75915	.02779	.00140	313.50	.00188
#2	.00096	.00355	1.7291	2.0914	.03058	.75803	.02765	.00180	316.81	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02034**	**.00044**	**.06124**	**-.00029**	**.00061**	**7.2016**	**15.412**	**.00065**	**.26407**	**-.00058**
Stddev	.00004	.00023	.00070	.00046	.00045	.0619	.132	.00031	.00190	.00054
%RSD	.18430	51.802	1.1503	159.98	73.005	.85963	.85963	48.086	.72018	92.980
#1	.02036	.00060	.06174	.00004	.00030	7.1579	15.318	.00043	.26273	-.00020
#2	.02031	.00028	.06074	-.00061	.00093	7.2454	15.505	.00087	.26542	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00035**	**.03345**	**-.00053**	**.00399**	**.00274**
Stddev	.00010	.00047	.02697	.00017	.00003	.00032
%RSD	143.00	134.31	80.623	32.610	.80927	11.623
#1	-.00014	-.00002	.01438	-.00065	.00401	.00297
#2	.00000	-.00068	.05252	-.00041	.00397	.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6652.3**	**91534.**	**5994.9**
Stddev	18.0	273.	47.3
%RSD	.27075	.29793	.78947
#1	6639.6	91727.	6028.4
#2	6665.0	91341.	5961.4

Sample Name: 280-49163-c-3-a Acquired: 11/15/2013 17:26:41 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.38765**	**-.00079**	**.01347**	**.07288**	**.00003**	**-.00411**	**56.835**	**.00045**	**.00029**
Stddev	.00017	.00075	.00019	.00019	.00003	.00005	.00107	.166	.00014	.00005
%RSD	23.330	.19220	24.029	1.4305	.04596	158.79	26.117	.29182	30.815	16.766
#1	-.00083	.38712	-.00066	.01361	.07290	.00000	-.00487	56.717	.00054	.00025
#2	-.00059	.38817	-.00092	.01334	.07285	.00006	-.00335	56.952	.00035	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00130**	**.69838**	**2.1331**	**.00279**	**13.381**	**.30425**	**.00058**	**32.386**	**.00096**
Stddev	.00005	.00075	.00397	.0245	.00131	.023	.00007	.00011	.014	.00005
%RSD	10.215	57.982	.56781	1.1466	46.750	.17422	.02261	18.871	.04195	5.6755
#1	.00045	.00183	.70118	2.1504	.00187	13.398	.30430	.00066	32.395	.00092
#2	.00052	.00077	.69558	2.1158	.00372	13.365	.30420	.00051	32.376	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02913**	**.00027**	**13.685**	**-.00194**	**.00373**	**6.1490**	**13.159**	**-.00023**	**.72636**	**-.00050**
Stddev	.00155	.00075	.055	.00266	.00385	.0335	.072	.00042	.00200	.00046
%RSD	5.3370	281.41	.40341	137.06	103.10	.54431	.54431	183.78	.27518	93.189
#1	.02803	.00080	13.646	-.00006	.00645	6.1727	13.209	.00007	.72495	-.00017
#2	.03023	-.00026	13.724	-.00383	.00101	6.1253	13.108	-.00052	.72778	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00910**	**.00015**	**.00467**	**.00043**	**.00485**	**.00325**
Stddev	.00069	.00041	.02204	.00019	.00115	.00048
%RSD	7.6166	284.05	471.72	43.554	23.747	14.839
#1	.00861	-.00015	.02026	.00030	.00404	.00291
#2	.00959	.00044	-.01091	.00057	.00567	.00359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6800.9**	**95803.**	**5982.9**
Stddev	6.0	371.	11.1
%RSD	.08761	.38730	.18529
#1	6805.1	96066.	5975.1
#2	6796.7	95541.	5990.8

Sample Name: 280-49163-c-4-b Acquired: 11/15/2013 17:29:03 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.16639**	**.00024**	**.00950**	**.04940**	**.00000**	**-.00359**	**31.363**	**.00038**	**.00013**
Stddev	.00044	.00051	.00216	.00026	.00029	.00007	.00032	.053	.00002	.00009
%RSD	54.503	.30506	887.72	2.7423	.58888	3870.9	8.9357	.16857	6.0729	70.526
#1	-.00112	.16675	-.00128	.00968	.04961	-.00005	-.00382	31.400	.00040	.00006
#2	-.00050	.16603	.00177	.00932	.04920	.00005	-.00336	31.325	.00037	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00088**	**.59955**	**1.0444**	**.00140**	**6.3380**	**.05427**	**.00042**	**12.173**	**.00029**
Stddev	.00020	.00056	.00085	.0544	.00110	.0042	.00003	.00017	.149	.00024
%RSD	60.467	63.264	.14136	5.2115	78.626	.06642	.06316	39.217	1.2264	81.552
#1	.00047	.00127	.60015	1.0059	.00219	6.3409	.05429	.00030	12.068	.00047
#2	.00019	.00049	.59895	1.0829	.00062	6.3350	.05424	.00054	12.279	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02152**	**.00059**	**9.4679**	**-.00077**	**.00059**	**5.5303**	**11.835**	**.00055**	**.31070**	**.00011**
Stddev	.00035	.00065	.0233	.00208	.00230	.0022	.005	.00019	.00083	.00075
%RSD	1.6131	109.18	.24599	268.53	389.95	.04047	.04047	34.885	.26734	651.12
#1	.02128	.00105	9.4843	-.00224	.00222	5.5287	11.831	.00068	.31128	.00064
#2	.02177	.00014	9.4514	.00070	-.00104	5.5318	11.838	.00041	.31011	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00433**	**.00066**	**.02188**	**.00038**	**.00481**	**.00253**
Stddev	.00030	.00032	.03565	.00001	.00000	.00079
%RSD	6.8580	48.776	162.97	3.7893	.07767	31.192
#1	.00412	.00043	-.00333	.00037	.00481	.00309
#2	.00453	.00088	.04709	.00039	.00481	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6909.2**	**96968.**	**5980.2**
Stddev	4.7	141.	2.3
%RSD	.06759	.14499	.03917
#1	6912.5	97068.	5978.5
#2	6905.9	96869.	5981.9

Sample Name: 280-49163-c-5-a Acquired: 11/15/2013 17:31:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.03696**	**-.00082**	**.00812**	**.04541**	**-.00001**	**-.00446**	**28.751**	**.00039**	**.00010**
Stddev	.00054	.00008	.00107	.00097	.00026	.00002	.00255	.019	.00001	.00007
%RSD	125.29	.22868	129.94	11.967	.56949	239.92	57.080	.06439	2.8689	69.648
#1	-.00082	.03702	-.00158	.00880	.04522	.00001	-.00266	28.764	.00038	.00005
#2	-.00005	.03690	-.00007	.00743	.04559	-.00002	-.00626	28.738	.00040	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00080**	**.40134**	**.98316**	**.00216**	**5.6800**	**.02534**	**.00061**	**10.453**	**11.242**
Stddev	.00012	.00089	.00163	.00393	.00144	.0071	.00008	.00011	.011	.138
%RSD	61.787	110.85	.40658	.39988	66.704	.12572	.30819	17.751	.10557	1.2260
#1	.00011	.00143	.40019	.98038	.00318	5.6749	.02529	.00053	10.461	11.145
#2	.00027	.00017	.40249	.98594	.00114	5.6850	.02540	.00069	10.445	11.340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.01448**	**.00043**	**8.7853**	**-.00129**	**.00168**	**5.4260**	**11.612**	**.00048**	**.27339**
Stddev	.00021	.00019	.00077	.0184	.00157	.00159	.0149	.032	.00074	.00035
%RSD	49.615	1.2821	179.84	.20902	121.81	94.820	.27465	.27465	153.93	.12956
#1	.00028	.01435	.00098	8.7983	-.00239	.00280	5.4155	11.589	.00100	.27364
#2	.00058	.01462	-.00012	8.7724	-.00018	.00055	5.4365	11.634	-.00004	.27314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00103**	**-.00031**	**.01915**	**.00006**	**.00325**	**.00255**
Stddev	.00156	.00002	.00031	.02835	.00017	.00037	.00078
%RSD	197.84	2.1356	102.49	148.06	279.66	11.375	30.575
#1	.00031	.00101	-.00008	.03919	.00018	.00299	.00310
#2	-.00189	.00105	-.00053	-.00090	-.00006	.00351	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6939.5**	**97419.**	**5987.5**
Stddev	21.6	102.	5.7
%RSD	.31056	.10471	.09506
#1	6924.2	97491.	5991.6
#2	6954.7	97347.	5983.5

Sample Name: 280-49163-c-6-b Acquired: 11/15/2013 17:33:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.09117**	**-.00127**	**.00536**	**.02550**	**.00006**	**-.00373**	**15.845**	**.00020**	**-.00020**
Stddev	.00003	.00040	.00175	.00024	.00014	.00004	.00148	.135	.00000	.00009
%RSD	5.9369	.43880	137.70	4.5162	.55668	71.426	39.750	.85441	2.1630	42.155
#1	-.00051	.09145	-.00251	.00519	.02560	.00003	-.00268	15.940	.00020	-.00027
#2	-.00046	.09089	-.00003	.00553	.02540	.00009	-.00478	15.749	.00020	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00151**	**.11873**	**.67019**	**.00328**	**1.8392**	**.02054**	**.00194**	**5.1025**	**.00035**
Stddev	.00011	.00010	.00308	.06234	.00123	.0034	.00001	.00023	.0061	.00023
%RSD	41.732	6.8923	2.5969	9.3024	37.558	.18519	.05348	12.002	.11904	67.104
#1	.00033	.00159	.12091	.62611	.00241	1.8368	.02055	.00177	5.0982	.00018
#2	.00018	.00144	.11655	.71427	.00415	1.8416	.02053	.00210	5.1068	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01734**	**-.00048**	**2.1710**	**-.00016**	**.00024**	**5.1914**	**11.110**	**-.00029**	**.13234**	**.00035**
Stddev	.00089	.00059	.0044	.00006	.00082	.0300	.064	.00045	.00075	.00147
%RSD	5.1479	121.48	.20355	36.892	335.04	.57809	.57809	154.74	.56536	415.55
#1	.01671	-.00007	2.1679	-.00012	.00082	5.2126	11.155	-.00061	.13287	.00139
#2	.01797	-.00090	2.1741	-.00020	-.00033	5.1702	11.064	.00003	.13181	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**-.00029**	**-.01443**	**-.00025**	**.00348**	**.00266**
Stddev	.00013	.00047	.00397	.00000	.00007	.00082
%RSD	5.0690	161.23	27.496	1.9140	2.0775	30.823
#1	.00243	.00004	-.01162	-.00025	.00353	.00324
#2	.00261	-.00062	-.01723	-.00026	.00343	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7020.5**	**98903.**	**6119.4**
Stddev	16.5	81.	52.8
%RSD	.23446	.08187	.86359
#1	7008.9	98960.	6082.0
#2	7032.2	98846.	6156.8

Sample Name: 280-49163-c-7-b Acquired: 11/15/2013 17:36:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.05251**	**-.00312**	**.00638**	**.04191**	**-.00003**	**-.00403**	**25.217**	**.00021**	**-.00012**
Stddev	.00017	.00071	.00108	.00028	.00061	.00007	.00075	.050	.00010	.00014
%RSD	184.87	1.3580	34.598	4.4226	1.4595	248.56	18.603	.19800	47.630	114.82
#1	.00003	.05200	-.00388	.00658	.04147	.00002	-.00455	25.182	.00014	-.00022
#2	-.00021	.05301	-.00235	.00618	.04234	-.00008	-.00350	25.252	.00028	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00055**	**.29216**	**.84651**	**.00230**	**4.9195**	**.01902**	**.00054**	**8.1456**	**.00022**
Stddev	.00002	.00019	.00236	.00823	.00071	.0199	.00002	.00001	.0065	.00010
%RSD	9.1073	35.333	.80647	.97170	30.934	.40530	.10501	1.1981	.08019	46.866
#1	.00020	.00041	.29383	.85232	.00179	4.9054	.01900	.00054	8.1410	.00030
#2	.00017	.00068	.29049	.84069	.00280	4.9336	.01903	.00053	8.1502	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01344**	**-.00006**	**6.5022**	**.00062**	**.00032**	**5.9924**	**12.824**	**-.00003**	**.23624**	**-.00073**
Stddev	.00069	.00043	.0060	.00285	.00108	.0257	.055	.00005	.00079	.00064
%RSD	5.1142	720.33	.09254	461.98	333.11	.42828	.42828	175.90	.33516	87.576
#1	.01295	-.00037	6.5065	-.00140	-.00044	5.9742	12.785	.00001	.23568	-.00028
#2	.01392	.00025	6.4980	.00263	.00108	6.0105	12.862	-.00007	.23680	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00053**	**.01805**	**-.00027**	**.00319**	**.00308**
Stddev	.00025	.00005	.00623	.00009	.00022	.00016
%RSD	27.188	10.308	34.521	32.534	6.9085	5.2825
#1	.00075	-.00049	.01365	-.00021	.00303	.00296
#2	.00111	-.00057	.02246	-.00034	.00334	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6935.9**	**98051.**	**6020.2**
Stddev	12.3	182.	42.6
%RSD	.17679	.18560	.70829
#1	6927.2	98180.	5990.0
#2	6944.6	97922.	6050.3

Sample Name: 280-49163-c-8-b Acquired: 11/15/2013 17:38:32 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.29644**	**-.00088**	**.01096**	**.06436**	**.00007**	**-.00235**	**40.141**	**.00030**	**.00043**
Stddev	.00009	.00059	.00007	.00008	.00096	.00006	.00115	.236	.00009	.00018
%RSD	17.567	.19964	8.1928	.72836	1.4873	91.148	48.890	.58856	31.101	42.667
#1	-.00058	.29602	-.00093	.01101	.06368	.00002	-.00154	39.974	.00037	.00056
#2	-.00045	.29685	-.00083	.01090	.06503	.00011	-.00317	40.308	.00023	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00112**	**1.3399**	**1.5199**	**.00258**	**8.8743**	**.24719**	**.00037**	**18.463**	**.00099**
Stddev	.00005	.00049	.0222	.0425	.00061	.0335	.00168	.00017	.489	.00009
%RSD	11.675	44.072	1.6532	2.7936	23.584	.37713	.68001	47.611	2.6472	9.3941
#1	.00040	.00077	1.3242	1.4899	.00215	8.8980	.24838	.00024	18.117	.00092
#2	.00048	.00147	1.3555	1.5499	.00301	8.8506	.24600	.00049	18.809	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05414**	**.00107**	**14.049**	**-.00175**	**-.00028**	**6.1471**	**13.155**	**.00024**	**.43068**	**-.00003**
Stddev	.00321	.00003	.028	.00026	.00101	.0904	.193	.00038	.00231	.00048
%RSD	5.9263	2.3440	.20215	15.048	359.34	1.4706	1.4706	158.58	.53648	1367.9
#1	.05187	.00109	14.029	-.00156	-.00100	6.0832	13.018	-.00003	.42904	-.00037
#2	.05641	.00105	14.069	-.00193	.00043	6.2110	13.292	.00051	.43231	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00780**	**.00010**	**.01773**	**.00053**	**.00549**	**.00246**
Stddev	.00040	.00097	.00411	.00019	.00020	.00278
%RSD	5.0813	961.83	23.200	36.610	3.7039	113.09
#1	.00808	.00078	.01482	.00039	.00535	.00443
#2	.00752	-.00058	.02064	.00067	.00564	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6857.6**	**96738.**	**6021.2**
Stddev	6.6	39.	49.5
%RSD	.09566	.04013	.82284
#1	6862.2	96766.	6056.2
#2	6852.9	96711.	5986.1

Sample Name: 280-49163-c-9-b Acquired: 11/15/2013 17:40:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.12100**	**-.00080**	**.01885**	**.07266**	**.00004**	**-.00314**	**94.590**	**.00046**	**-.00023**
Stddev	.00006	.00029	.00249	.00028	.00064	.00008	.00041	.969	.00011	.00004
%RSD	29.100	.24276	311.40	1.5037	.88761	208.68	12.923	1.0241	23.268	15.404
#1	-.00023	.12079	-.00256	.01865	.07220	-.00002	-.00285	93.905	.00054	-.00021
#2	-.00015	.12121	.00096	.01905	.07311	.00009	-.00342	95.275	.00038	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00129**	**.12421**	**1.7871**	**.00330**	**22.287**	**.03102**	**-.00011**	**56.784**	**.00035**
Stddev	.00008	.00009	.00212	.0077	.00174	.063	.00020	.00007	.653	.00013
%RSD	43.815	7.3053	1.7102	.42902	52.785	.28225	.64426	61.982	1.1502	36.711
#1	.00013	.00122	.12271	1.7817	.00207	22.243	.03088	-.00016	56.323	.00044
#2	.00025	.00136	.12571	1.7925	.00453	22.332	.03116	-.00006	57.246	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02850**	**.00051**	**34.712**	**-.00153**	**.00266**	**5.1473**	**11.015**	**.00009**	**1.5398**	**-.00057**
Stddev	.00173	.00006	.053	.00148	.00102	.0578	.124	.00027	.0161	.00010
%RSD	6.0602	11.593	.15197	96.743	38.126	1.1236	1.1236	313.52	1.0450	16.702
#1	.02972	.00055	34.750	-.00048	.00338	5.1064	10.928	.00028	1.5284	-.00051
#2	.02728	.00047	34.675	-.00258	.00195	5.1882	11.103	-.00010	1.5512	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00106**	**.01918**	**-.00009**	**.00433**	**.00175**
Stddev	.00006	.00099	.00358	.00032	.00007	.00124
%RSD	44.674	93.199	18.644	378.59	1.6980	70.544
#1	.00009	-.00036	.02170	.00014	.00439	.00263
#2	.00018	-.00175	.01665	-.00031	.00428	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6756.9**	**94678.**	**5947.7**
Stddev	.8	564.	13.7
%RSD	.01187	.59568	.23055
#1	6757.5	94279.	5957.4
#2	6756.3	95077.	5938.0

Sample Name: 280-49082-a-5-a@5 Acquired: 11/15/2013 17:43:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00070**	k **37.689**	k **.00665**	**.04911**	k **.06698**	k **.00304**	k **.00678**	**4.8873**	k **.00044**	k **.01732**
Stddev	.00015	.110	.00056	.00004	.00043	.00012	.00098	.0014	.00006	.00010
%RSD	21.840	.29199	8.4217	.07272	.64581	3.8871	14.507	.02852	12.574	.56938
#1	k -.00059	k 37.611	k .00705	.04913	k .06668	k .00296	k .00747	4.8883	k .00048	k .01739
#2	k -.00080	k 37.767	k .00626	.04908	k .06729	k .00312	k .00608	4.8864	k .00041	k .01725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.06431**	k **.01244**	k **44.644**	**8.2596**	k **.04576**	k **10.630**	k **.15898**	k **-.00013**	**.96029**	k **.06102**
Stddev	.00004	.00046	.328	.0817	.00018	.009	.00002	.00002	.01127	.00056
%RSD	.05447	3.6740	.73365	.98883	.38797	.08553	.01071	18.773	1.1731	.91998
#1	k .06433	k .01212	k 44.412	8.2019	k .04589	k 10.624	k .15900	k -.00014	.96826	k .06063
#2	k .06428	k .01276	k 44.875	8.3174	k .04564	k 10.637	k .15897	k -.00011	.95232	k .06142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.42167**	k **.00943**	k **.05931**	k **.00174**	k **-.00019**	k **.66409**	k **1.4212**	k **.00458**	**.15315**	k **.04963**
Stddev	.00045	.00026	.00425	.00096	.00053	.00621	.0133	.00001	.00055	.00089
%RSD	.10565	2.7343	7.1587	54.946	275.42	.93574	.93574	.20727	.36059	1.8005
#1	k .42136	k .00924	k .06231	k .00242	k -.00057	k .65970	k 1.4118	k .00458	.15354	k .04899
#2	k .42199	k .00961	k .05631	k .00107	k .00018	k .66849	k 1.4306	k .00457	.15276	k .05026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.07914**	k **-.00207**	k **-.01161**	k **.07410**	k **.06251**	k **.01357**
Stddev	.00016	.00027	.01488	.00026	.00031	.00152
%RSD	.19623	13.268	128.19	.35524	.49688	11.197
#1	k .07925	k -.00187	k -.02213	k .07391	k .06273	k .01249
#2	k .07903	k -.00226	k -.00109	k .07428	k .06229	k .01464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7694.4**	**107000.**	**6767.0**
Stddev	19.0	484.	31.0
%RSD	.24697	.45259	.45862
#1	7680.9	107340.	6745.0
#2	7707.8	106660.	6788.9

Sample Name: CCVH-2382126 Acquired: 11/15/2013 17:45:33 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00669**	**49.636**	**-.00038**	**-.00007**	**.00031**	**-.00010**	**1.0257**	**.00087**	**.00071**	**-.00059**	**.00027**	**.02373**	**49.576**
Stddev	.00052	.662	.00031	.00005	.00010	.00002	.0056	.00157	.00006	.00011	.00004	.00003	.391
%RSD	7.7748	1.3344	81.635	75.492	31.131	17.728	.54640	181.85	8.7624	19.424	14.455	.14179	.78882
#1	-.00706	50.104	-.00061	-.00010	.00024	-.00009	1.0296	-.00025	.00067	-.00067	.00024	.02371	49.852
#2	-.00632	49.167	-.00016	-.00003	.00038	-.00011	1.0217	.00198	.00075	-.00051	.00029	.02376	49.299
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05562**	**.00235**	**.09378**	**.00142**	**.00048**	**249.96**	**-.00069**	**.00340**	**.00053**	**4.9936**	**-.00138**	**-.00531**	**-.00804**
Stddev	.03056	.00096	.00465	.00003	.00014	3.31	.00014	.00070	.00123	.0474	.00094	.00113	.01079
%RSD	54.945	41.013	4.9602	2.1416	29.977	1.3237	20.280	20.549	230.57	.94985	67.850	21.212	134.28
#1	-.07723	.00167	.09049	.00144	.00038	252.30	-.00059	.00291	.00140	5.0272	-.00072	-.00610	-.01567
#2	-.03401	.00303	.09706	.00139	.00058	247.62	-.00079	.00390	-.00034	4.9601	-.00204	-.00451	-.00041
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01720**	**.00019**	**.00040**	**4.8295**	**.01441**	**.00153**	F **11.636**	**.00375**	**.00040**	**-.07223**
Stddev	.02309	.00027	.00003	.0034	.00082	.00033	.080	.00000	.00033	.00374
%RSD	134.28	147.40	6.6659	.07036	5.7005	21.852	.68555	.06115	80.640	5.1779
#1	-.03353	.00038	.00042	4.8319	.01499	.00129	11.579	.00375	.00017	-.06959
#2	-.00087	-.00001	.00039	4.8271	.01383	.00177	11.692	.00376	.00063	-.07488
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6927.7**	**94967.**	**6158.8**
Stddev	7.6	1148.	41.1
%RSD	.10954	1.2091	.66684
#1	6933.1	94155.	6129.7
#2	6922.4	95779.	6187.8

Sample Name: CCV-2372889 Acquired: 11/15/2013 17:47:58 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49494**	**.51415**	**1.0080**	**.51073**	**.49336**	**.49009**	**-.00915**	**4.9550**	**.50207**	**.50680**	**.50590**	**.50174**	**2.4625**
Stddev	.00150	.00072	.0021	.00075	.00241	.00259	.00079	.0100	.00076	.00115	.00124	.00286	.0077
%RSD	.30385	.14047	.21126	.14693	.48856	.52785	8.6140	.20218	.15233	.22615	.24479	.57081	.31302
#1	.49387	.51466	1.0095	.51126	.49506	.49192	-.00971	4.9620	.50153	.50599	.50502	.49972	2.4680
#2	.49600	.51364	1.0065	.51020	.49166	.48826	-.00859	4.9479	.50262	.50761	.50677	.50377	2.4571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.272**	**.97779**	**19.341**	**.49350**	**.50913**	**4.9708**	**.51289**	**1.0098**	**1.0400**	**.00355**	**1.0204**	**1.0195**	**4.9075**
Stddev	.249	.00547	.101	.00239	.00075	.0413	.00390	.0060	.0052	.00121	.0014	.0021	.0151
%RSD	.50600	.55953	.52317	.48514	.14792	.83126	.75980	.58876	.49501	34.173	.14240	.20525	.30809
#1	49.448	.98166	19.269	.49181	.50966	5.0000	.51014	1.0056	1.0363	.00441	1.0194	1.0180	4.9182
#2	49.095	.97392	19.412	.49520	.50860	4.9416	.51565	1.0140	1.0436	.00269	1.0215	1.0209	4.8968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.502**	**1.0159**	**.49116**	**.00422**	**.48593**	**1.0374**	**.03715**	**.49103**	**.48531**	**.49281**
Stddev	.032	.0014	.00297	.00184	.00230	.0029	.00234	.00215	.00761	.00011
%RSD	.30809	.13314	.60442	43.585	.47346	.27558	6.2930	.43692	1.5674	.02332
#1	10.525	1.0149	.49326	.00292	.48430	1.0353	.03880	.48952	.47993	.49273
#2	10.479	1.0168	.48906	.00553	.48756	1.0394	.03550	.49255	.49069	.49289
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.3**	**97487.**	**6162.5**
Stddev	7.7	88.	34.3
%RSD	.11147	.09000	.55693
#1	6886.8	97549.	6138.2
#2	6875.9	97425.	6186.8

Sample Name: CCB Acquired: 11/15/2013 17:50:08 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00117**	**.00033**	**-.00006**	**-.00037**	**.00003**	**-.00226**	**.00806**	**.00020**	**.00011**	**.00015**	**-.00072**
Stddev	.00002	.00032	.00041	.00034	.00031	.00001	.00092	.00207	.00001	.00027	.00001	.00008
%RSD	10.402	27.617	123.89	536.84	84.332	23.384	40.727	25.633	4.7529	240.94	4.4872	11.576
#1	-.00019	.00094	.00062	.00018	-.00059	.00003	-.00291	.00660	.00021	.00030	.00015	-.00078
#2	-.00022	.00139	.00004	-.00030	-.00015	.00004	-.00161	.00952	.00020	-.00008	.00014	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**-.04097**	**.00102**	**-.00106**	**.00005**	**.00168**	**-.00239**	**.00009**	**-.00022**	**.00079**	**.00311**	**.00190**
Stddev	.00012	.05738	.00010	.00068	.00001	.00068	.01083	.00004	.00103	.00063	.00316	.00238
%RSD	4.2246	140.04	9.8191	64.345	13.128	40.754	453.45	47.263	472.73	78.814	101.40	125.09
#1	.00270	-.00040	.00095	-.00058	.00006	.00119	.00527	.00006	-.00095	.00123	.00535	.00359
#2	.00286	-.08154	.00109	-.00154	.00005	.00216	-.01004	.00012	.00051	.00035	.00088	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**-.00059**	**-.00127**	**.00072**	**.00003**	**-.00111**	**-.00002**	**-.00017**	**.01664**	**-.00061**	**.00188**	W **.00332**
Stddev	.00417	.00744	.01593	.00060	.00012	.00088	.00012	.00003	.00705	.00014	.00012	.00008
%RSD	183.67	1258.3	1258.3	84.000	366.60	79.497	660.51	17.115	42.340	22.660	6.5360	2.4374
#1	-.00068	.00467	.01000	.00029	-.00005	-.00173	-.00011	-.00019	.01166	-.00051	.00197	.00326
#2	.00522	-.00586	-.01253	.00115	.00012	-.00048	.00007	-.00015	.02162	-.00071	.00179	.00338
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.2**	**97746.**	**5882.3**
Stddev	3.0	362.	1.3
%RSD	.04392	.37056	.02140
#1	6885.4	98002.	5883.2
#2	6881.1	97490.	5881.5

Sample Name: CCVL2383195 Acquired: 11/15/2013 17:52:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.11535**	**.01508**	**.10189**	**.00969**	**.00103**	**.11635**	**.21378**	**.00543**	**.01075**	**.01066**	**.01504**	**.10339**
Stddev	.00047	.01043	.00021	.00043	.00003	.00001	.00040	.00151	.00023	.00008	.00013	.00012	.00005
%RSD	4.6545	9.0393	1.4035	.42430	.27056	.49367	.34123	.70489	4.2198	.74310	1.2283	.77229	.05192
#1	.01047	.12272	.01523	.10158	.00967	.00103	.11663	.21484	.00560	.01069	.01075	.01496	.10336
#2	.00980	.10797	.01493	.10220	.00971	.00103	.11607	.21271	.00527	.01080	.01057	.01513	.10343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9507**	**.01216**	**.20329**	**.01023**	**.02060**	**1.0001**	**.04264**	**2.9624**	**.00998**	**.00506**	**.01127**	**.01617**	**.49576**
Stddev	.0096	.00289	.00009	.00007	.00014	.0117	.00015	.0087	.00024	.00268	.00156	.00093	.02958
%RSD	.32444	23.791	.04268	.67207	.68487	1.1666	.35788	.29345	2.4130	52.915	13.843	5.7766	5.9656
#1	2.9574	.01011	.20335	.01028	.02070	1.0083	.04274	2.9563	.00981	.00695	.01237	.01550	.47485
#2	2.9439	.01420	.20323	.01018	.02050	.99183	.04253	2.9686	.01015	.00317	.01017	.01683	.51667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0609**	**.10558**	**.01011**	**.01518**	**.00996**	**.01589**	F **.09112**	**.00937**	**.02312**	**.01742**
Stddev	.0633	.00055	.00005	.00128	.00016	.00000	.02981	.00044	.00065	.00274
%RSD	5.9656	.51660	.48530	8.4044	1.5604	.01810	32.708	4.7113	2.8296	15.756
#1	1.0162	.10597	.01007	.01428	.01007	.01589	.07005	.00969	.02358	.01548
#2	1.1057	.10520	.01014	.01608	.00985	.01589	.11220	.00906	.02265	.01936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6914.6**	**97974.**	**5978.7**
Stddev	5.8	48.	72.1
%RSD	.08393	.04930	1.2054
#1	6918.7	98008.	5927.7
#2	6910.5	97939.	6029.6

Sample Name: mb 280-200804/1-a Acquired: 11/15/2013 17:54:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00235**	**.00048**	**-.00090**	**-.00039**	**-.00005**	**-.00159**	**.00745**	**.00018**	**-.00004**
Stddev	.00001	.00025	.00096	.00017	.00036	.00004	.00134	.00037	.00013	.00003
%RSD	4.1765	10.634	199.07	18.403	92.183	65.653	83.762	4.9129	69.619	93.477
#1	.00029	.00253	-.00020	-.00102	-.00065	-.00003	-.00254	.00771	.00027	-.00006
#2	.00027	.00217	.00116	-.00078	-.00014	-.00008	-.00065	.00720	.00009	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00033**	**.00464**	**-.06410**	**.00048**	**-.00064**	**.00007**	**-.00003**	**-.01714**	**-.00021**
Stddev	.00001	.00031	.00213	.02820	.00052	.00133	.00005	.00006	.00057	.00029
%RSD	8.6504	93.016	45.785	43.996	108.11	208.92	64.665	192.67	3.3230	138.62
#1	.00018	-.00011	.00614	-.08404	.00011	.00030	.00004	.00001	-.01754	.00000
#2	.00016	-.00055	.00314	-.04416	.00086	-.00158	.00010	-.00007	-.01674	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	**.00060**	W **.00501**	**-.00100**	**.00105**	**-.00116**	**-.00247**	**.00032**	**.00002**	**-.00059**
Stddev	.00113	.00095	.00182	.00042	.00125	.01742	.03728	.00043	.00010	.00168
%RSD	33.744	159.36	36.245	41.932	119.09	1508.2	1508.2	134.99	506.60	283.92
#1	.00416	.00127	.00630	-.00070	.00017	-.01347	-.02883	.00062	-.00005	-.00178
#2	.00256	-.00008	.00373	-.00129	.00193	.01116	.02389	.00001	.00009	.00060
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500							
Low Limit			-.00500							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.00092**	**-.00079**	**-.00061**	**.00234**	**.00382**
Stddev	.00015	.00001	.00518	.00023	.00041	.00135
%RSD	46.134	1.1734	658.46	37.382	17.575	35.431
#1	-.00043	-.00093	-.00445	-.00077	.00205	.00286
#2	-.00022	-.00092	.00288	-.00045	.00263	.00477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.6**	**99451.**	**6027.9**
Stddev	23.2	927.	11.7
%RSD	.33008	.93205	.19473
#1	6997.3	100110.	6036.2
#2	7030.0	98796.	6019.6

Sample Name: lcs 280-200804/2-a Acquired: 11/15/2013 17:57:13 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04814**	**1.9239**	**1.0356**	**1.0391**	**1.9946**	**.04970**	**2.1155**	**48.913**	**.10143**	**.49194**
Stddev	.00074	.0006	.0042	.0026	.0031	.00041	.0142	.035	.00048	.00020
%RSD	1.5300	.02995	.40589	.24915	.15713	.81855	.66997	.07089	.47595	.03969
#1	.04866	1.9235	1.0326	1.0373	1.9924	.04941	2.1054	48.889	.10109	.49181
#2	.04762	1.9243	1.0385	1.0410	1.9968	.04998	2.1255	48.938	.10177	.49208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20231**	**.25640**	**.99479**	**50.851**	**1.0016**	**48.967**	**.48892**	**1.0235**	**51.799**	**.49640**
Stddev	.00097	.00031	.00120	.125	.0000	.149	.00038	.0017	.081	.00218
%RSD	.47700	.12005	.12042	.24546	.00063	.30441	.07677	.16643	.15725	.43990
#1	.20162	.25662	.99564	50.762	1.0016	49.073	.48919	1.0247	51.856	.49485
#2	.20299	.25619	.99394	50.939	1.0016	48.862	.48865	1.0223	51.741	.49794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.273**	**.50811**	**-.00254**	**.51478**	**2.0793**	**10.146**	**21.712**	**2.0285**	**.99165**	**.97004**
Stddev	.007	.00251	.00417	.00065	.0008	.047	.100	.0014	.00319	.00155
%RSD	.07233	.49489	163.97	.12542	.04041	.46206	.46206	.06853	.32133	.15967
#1	10.278	.50633	-.00549	.51433	2.0787	10.113	21.641	2.0275	.98940	.97114
#2	10.267	.50989	.00041	.51524	2.0799	10.179	21.783	2.0295	.99391	.96895
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0003**	**1.9929**	F **2.4530**	**.49761**	**.48201**	**.49161**
Stddev	.0021	.0000	.0247	.00043	.00235	.00311
%RSD	.20840	.00169	1.0052	.08554	.48837	.63283
#1	1.0018	1.9929	2.4705	.49792	.48368	.48941
#2	.99886	1.9929	2.4356	.49731	.48035	.49381
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6719.7**	**93682.**	**5937.0**
Stddev	5.6	56.	9.7
%RSD	.08351	.05924	.16416
#1	6715.7	93721.	5930.1
#2	6723.6	93642.	5943.9

Sample Name: 550-14225-b-1-a Acquired: 11/15/2013 17:59:21 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00129**	**.00103**	**.22708**	**.08712**	**.00003**	**-.00311**	**172.98**	**.00080**	**-.00036**
Stddev	.00086	.00009	.00082	.00141	.00006	.00008	.00012	2.22	.00000	.00007
%RSD	1896.5	6.9654	79.506	.62290	.06495	265.99	3.9730	1.2855	.04140	18.558
#1	.00056	.00136	.00045	.22808	.08716	-.00003	-.00302	174.55	.00080	-.00040
#2	-.00065	.00123	.00161	.22608	.08708	.00008	-.00319	171.41	.00080	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.00180**	**.00601**	**5.9989**	**.18759**	**36.283**	**.00068**	**.00524**	**200.39**	**.00066**
Stddev	.00005	.00009	.00077	.0059	.00070	.147	.00009	.00091	1.88	.00011
%RSD	3.5082	4.8000	12.895	.09752	.37104	.40515	12.889	17.429	.93811	16.525
#1	.00137	.00186	.00546	6.0031	.18808	36.387	.00074	.00459	201.71	.00073
#2	.00131	.00174	.00655	5.9948	.18709	36.179	.00061	.00588	199.06	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01217**	**-.00147**	**86.991**	**-.00163**	**.00844**	**16.341**	**34.969**	**.00030**	**1.2687**	**-.00245**
Stddev	.00097	.00025	.165	.00084	.00144	.040	.086	.00037	.0149	.00159
%RSD	7.9571	17.029	.18922	51.150	17.035	.24456	.24456	125.63	1.1745	64.893
#1	.01148	-.00165	86.875	-.00222	.00946	16.369	35.029	.00003	1.2793	-.00357
#2	.01285	-.00129	87.107	-.00104	.00742	16.312	34.908	.00056	1.2582	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00085**	**.04925**	**.00503**	**.00263**	**.00468**
Stddev	.00013	.00068	.05688	.00002	.00003	.00229
%RSD	884.73	79.744	115.49	.42602	.99347	48.953
#1	.00010	.00133	.08947	.00505	.00265	.00306
#2	-.00007	.00037	.00903	.00502	.00261	.00630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6475.3**	**91142.**	**5952.7**
Stddev	20.7	203.	59.8
%RSD	.31989	.22309	1.0041
#1	6460.7	90999.	5910.4
#2	6490.0	91286.	5994.9

Sample Name: 550-14225-b-1-aSD@5 Acquired: 11/15/2013 18:01:43 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00889**	**.00020**	**.04603**	**.01753**	**-.00001**	**-.00251**	**35.193**	**.00023**	**-.00007**
Stddev	.00016	.00029	.00168	.00031	.00015	.00004	.00021	.046	.00003	.00004
%RSD	109.12	3.2588	832.88	.67846	.85399	297.29	8.2052	.13157	14.451	50.122
#1	-.00003	.00868	.00139	.04625	.01742	.00001	-.00266	35.160	.00025	-.00005
#2	-.00027	.00909	-.00099	.04581	.01763	-.00004	-.00237	35.226	.00021	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00022**	**.01738**	**1.1563**	**.03676**	**7.4127**	**.00031**	**.00070**	**40.769**	**.00014**
Stddev	.00000	.00004	.00033	.0311	.00036	.0419	.00005	.00026	.420	.00030
%RSD	.78417	18.552	1.8838	2.6890	.98768	.56534	15.121	37.067	1.0313	209.02
#1	.00043	.00019	.01715	1.1783	.03702	7.3830	.00034	.00052	40.472	.00036
#2	.00042	.00025	.01761	1.1343	.03650	7.4423	.00028	.00088	41.067	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00093**	**16.867**	**-.00147**	**.00089**	**3.2100**	**6.8694**	**.00222**	**.25653**	**.00080**
Stddev	.00134	.00135	.074	.00166	.00009	.0118	.0253	.00024	.00040	.00100
%RSD	480.69	145.10	.44158	113.08	9.6755	.36891	.36891	10.865	.15609	125.55
#1	.00123	.00189	16.815	-.00029	.00095	3.2016	6.8515	.00239	.25681	.00150
#2	-.00067	-.00002	16.920	-.00264	.00083	3.2184	6.8873	.00205	.25625	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00047**	**-.01286**	**.00096**	**.00556**	**.00330**
Stddev	.00009	.00030	.05239	.00017	.00018	.00061
%RSD	42.275	64.275	407.34	18.092	3.2901	18.629
#1	-.00027	-.00026	-.04991	.00084	.00569	.00286
#2	-.00015	-.00069	.02418	.00109	.00544	.00373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6816.0**	**96336.**	**6045.3**
Stddev	44.5	419.	10.0
%RSD	.65347	.43513	.16545
#1	6847.5	96633.	6038.2
#2	6784.5	96040.	6052.4

Sample Name: 550-14225-b-1-b ms Acquired: 11/15/2013 18:04:06 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05035**	**1.8974**	**1.0967**	**1.2748**	**2.1295**	**.05051**	F **2.1392**	**229.02**	**.10501**	**.49272**
Stddev	.00017	.0011	.0018	.0055	.0140	.00047	.0073	1.73	.00083	.00067
%RSD	.33743	.05995	.16043	.43377	.65917	.93948	.33896	.75747	.79103	.13526
#1	.05047	1.8982	1.0954	1.2709	2.1195	.05017	2.1341	227.79	.10443	.49320
#2	.05023	1.8966	1.0979	1.2787	2.1394	.05084	2.1444	230.25	.10560	.49225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20700**	**.26354**	**1.0039**	**59.804**	**1.2455**	**86.965**	**.49684**	**1.0382**	**262.48**	**.49707**
Stddev	.00070	.00026	.0065	.377	.0078	.187	.00126	.0018	1.63	.00277
%RSD	.33751	.09696	.64460	.63025	.63008	.21517	.25347	.16970	.62025	.55635
#1	.20651	.26372	.99932	59.538	1.2400	86.833	.49595	1.0395	261.33	.49512
#2	.20750	.26336	1.0085	60.071	1.2511	87.098	.49773	1.0370	263.63	.49903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.888**	**.49911**	**91.187**	**.52797**	**2.1711**	**27.496**	**58.841**	W **2.0094**	**2.3480**	**.99462**
Stddev	.002	.00000	.087	.00013	.0111	.193	.414	.0042	.0163	.00349
%RSD	.01498	.00083	.09593	.02519	.50894	.70280	.70280	.21119	.69270	.35138
#1	10.887	.49911	91.249	.52788	2.1633	27.359	58.549	2.0064	2.3365	.99710
#2	10.889	.49911	91.125	.52806	2.1790	27.632	59.133	2.0124	2.3595	.99215
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0099**	**1.8723**	**2.4623**	**.51669**	**.48883**	**.49605**
Stddev	.0023	.0065	.0235	.00278	.00209	.00596
%RSD	.22859	.34519	.95442	.53825	.42793	1.2020
#1	1.0083	1.8677	2.4456	.51473	.48735	.49184
#2	1.0115	1.8768	2.4789	.51866	.49031	.50027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6449.6**	**89783.**	**5986.7**
Stddev	7.1	318.	43.1
%RSD	.10978	.35409	.71988
#1	6454.6	90008.	6017.2
#2	6444.6	89558.	5956.2

Sample Name: 550-14225-b-1-c msd Acquired: 11/15/2013 18:06:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05031**	**1.8754**	**1.0899**	**1.2650**	**2.1120**	**.04966**	F **2.1219**	**224.72**	**.10399**	**.48750**
Stddev	.00013	.0016	.0057	.0076	.0149	.00005	.0112	1.35	.00092	.00031
%RSD	.25944	.08316	.52171	.60105	.70698	.10241	.52588	.60096	.88263	.06330
#1	.05041	1.8743	1.0859	1.2597	2.1226	.04963	2.1140	225.68	.10334	.48729
#2	.05022	1.8765	1.0939	1.2704	2.1015	.04970	2.1298	223.77	.10463	.48772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20610**	**.26073**	**.99810**	**59.146**	**1.2367**	**85.006**	**.48773**	**1.0311**	**258.49**	**.49289**
Stddev	.00202	.00092	.00977	.266	.0085	.427	.00167	.0008	2.20	.00352
%RSD	.97803	.35418	.97927	.45051	.68582	.50226	.34169	.08289	.85121	.71470
#1	.20467	.26007	.99118	59.335	1.2427	85.308	.48891	1.0305	260.05	.49040
#2	.20752	.26138	1.0050	58.958	1.2307	84.704	.48655	1.0317	256.94	.49538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.778**	**.49387**	**89.463**	**.52234**	**2.1503**	**26.874**	**57.511**	**1.9886**	**2.3208**	**.98275**
Stddev	.014	.00444	.019	.00187	.0179	.239	.512	.0125	.0194	.00657
%RSD	.13030	.89936	.02173	.35780	.83211	.89028	.89028	.62801	.83679	.66836
#1	10.768	.49073	89.477	.52102	2.1377	26.705	57.149	1.9797	2.3345	.98739
#2	10.787	.49701	89.449	.52366	2.1630	27.043	57.873	1.9974	2.3071	.97810
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99362**	**1.8553**	**2.4598**	**.50689**	**.47610**	**.49001**
Stddev	.00200	.0115	.0085	.00197	.00439	.00085
%RSD	.20108	.61839	.34620	.38780	.92277	.17389
#1	.99503	1.8472	2.4658	.50828	.47921	.48940
#2	.99221	1.8634	2.4538	.50550	.47299	.49061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6459.1**	**90814.**	**6067.7**
Stddev	22.4	303.	25.0
%RSD	.34661	.33415	.41173
#1	6474.9	90599.	6050.1
#2	6443.3	91028.	6085.4

Sample Name: 280-49155-a-5-a Acquired: 11/15/2013 18:08:32 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.00224**	**.00030**	**.00372**	**.00058**	**-.00001**	**-.00035**	**.07118**	**.00037**	**-.00001**
Stddev	.00019	.00007	.00033	.00018	.00006	.00001	.00026	.01027	.00011	.00017
%RSD	51.488	3.1396	108.28	4.7478	10.543	81.296	74.900	14.427	28.760	1391.6
#1	-.00023	.00220	.00054	.00385	.00062	-.00002	-.00017	.07844	.00030	-.00013
#2	-.00049	.00229	.00007	.00360	.00054	-.00001	-.00054	.06392	.00045	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00002**	**.00034**	**.08847**	**-.00091**	**.01325**	**.00016**	**.00413**	**.25888**	**-.00018**
Stddev	.00007	.00002	.00063	.00302	.00002	.00755	.00003	.00101	.00543	.00002
%RSD	150.30	115.19	184.15	3.4135	2.1281	56.986	21.143	24.384	2.0981	9.1050
#1	.00009	.00004	.00079	.09060	-.00092	.01859	.00019	.00342	.26272	-.00017
#2	.00000	.00000	-.00010	.08633	-.00090	.00791	.00014	.00485	.25503	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.00100**	**.02923**	**-.00120**	**.00482**	**.01439**	**.03079**	**.00063**	**.00053**	**.00089**
Stddev	.00150	.00003	.00429	.00124	.00093	.01279	.02737	.00005	.00012	.00148
%RSD	43.502	3.2050	14.663	103.14	19.327	88.902	88.902	8.2812	21.738	165.52
#1	.00238	.00098	.02620	-.00208	.00416	.02343	.05014	.00067	.00061	-.00015
#2	.00449	.00103	.03226	-.00033	.00548	.00534	.01143	.00059	.00045	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00119**	**.01408**	**-.00056**	**.00268**	**.00341**
Stddev	.00024	.00011	.01826	.00016	.00029	.00215
%RSD	32.978	9.6308	129.68	29.174	10.818	63.108
#1	.00089	.00111	.00117	-.00045	.00248	.00493
#2	.00055	.00127	.02699	-.00068	.00289	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7064.9**	**100480.**	**6166.3**
Stddev	12.8	134.	7.8
%RSD	.18172	.13359	.12650
#1	7073.9	100570.	6160.8
#2	7055.8	100380.	6171.8

Sample Name: 280-49155-a-6-a Acquired: 11/15/2013 18:10:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200804 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.04067**	**-.00030**	**.31991**	**.03867**	**-.00004**	**-.00140**	**85.210**	**.00079**	**-.00018**
Stddev	.00035	.00048	.00137	.00255	.00032	.00004	.00156	.368	.00014	.00015
%RSD	69.390	1.1761	463.94	.79738	.83881	109.99	110.85	.43189	17.355	85.981
#1	-.00026	.04101	-.00127	.32172	.03844	-.00001	-.00250	85.470	.00069	-.00007
#2	-.00075	.04033	.00068	.31811	.03890	-.00007	-.00030	84.949	.00088	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00740**	**.04081**	**19.781**	**.05035**	**37.907**	**.02861**	**.00651**	**194.99**	**.00221**
Stddev	.00003	.00022	.00021	.092	.00022	.026	.00001	.00024	.40	.00011
%RSD	7.6240	3.0115	.51857	.46705	.43772	.06907	.04768	3.6881	.20435	4.8184
#1	.00035	.00755	.04096	19.846	.05051	37.889	.02860	.00634	195.27	.00229
#2	.00031	.00724	.04066	19.715	.05020	37.926	.02862	.00668	194.71	.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13672**	**-.00087**	**109.69**	**-.00144**	**-.00016**	**5.8943**	**12.614**	**.00046**	**1.2459**	**-.00072**
Stddev	.00241	.00029	.04	.00069	.00393	.0424	.091	.00020	.0018	.00048
%RSD	1.7655	33.092	.03542	47.617	2527.8	.71887	.71887	43.612	.14359	67.121
#1	.13842	-.00067	109.66	-.00193	.00262	5.9243	12.678	.00060	1.2471	-.00106
#2	.13501	-.00108	109.72	-.00096	-.00293	5.8644	12.550	.00032	1.2446	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00083**	**-.01011**	**.00048**	**.04068**	**.00382**
Stddev	.00005	.00060	.04455	.00002	.00039	.00016
%RSD	116.26	72.829	440.76	3.7456	.94674	4.2727
#1	-.00001	.00125	.02139	.00049	.04041	.00393
#2	-.00007	.00040	-.04161	.00046	.04095	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6662.4**	**93147.**	**6037.5**
Stddev	8.9	301.	48.5
%RSD	.13300	.32263	.80373
#1	6656.2	92934.	6003.2
#2	6668.7	93359.	6071.8

Sample Name: CCVH-2382126 Acquired: 11/15/2013 18:13:13 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00618**	**50.225**	**-.00103**	**.00255**	**.00035**	**-.00010**	**1.0377**	**.01369**	**.00083**	**-.00055**	**.00025**	**.02348**	**50.265**
Stddev	.00037	.428	.00172	.00057	.00042	.00000	.0068	.00175	.00024	.00021	.00016	.00042	.719
%RSD	5.9229	.85267	166.54	22.578	118.23	4.3718	.65619	12.756	28.359	38.316	65.649	1.7751	1.4296
#1	-.00644	49.922	-.00225	.00295	.00006	-.00011	1.0425	.01493	.00100	-.00070	.00013	.02378	49.757
#2	-.00592	50.528	.00018	.00214	.00065	-.00010	1.0328	.01246	.00066	-.00040	.00036	.02319	50.773
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07059**	**.00099**	**.09279**	**.00138**	**.00088**	**253.40**	**-.00073**	**.00271**	**.00188**	**5.0681**	**-.00316**	**-.00675**	**.00331**
Stddev	.01287	.00087	.00125	.00003	.00000	1.82	.00020	.00106	.00018	.0163	.00195	.00321	.00033
%RSD	18.232	88.700	1.3453	2.2432	.04355	.71955	27.045	39.131	9.6909	.32056	61.655	47.551	9.8450
#1	.06149	.00160	.09367	.00140	.00088	252.11	-.00059	.00196	.00201	5.0796	-.00453	-.00901	.00354
#2	.07969	.00037	.09191	.00136	.00088	254.69	-.00087	.00345	.00175	5.0566	-.00178	-.00448	.00308
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**.00055**	**.00047**	**4.8449**	**.01530**	**.00218**	F **11.750**	**.00434**	**.00073**	**-.07455**
Stddev	.00070	.00010	.00000	.0053	.00036	.00034	.017	.00027	.00050	.00131
%RSD	9.8450	17.660	.34621	.11030	2.3555	15.804	.14649	6.1326	67.879	1.7565
#1	.00757	.00048	.00047	4.8487	.01505	.00194	11.738	.00415	.00038	-.07548
#2	.00658	.00062	.00047	4.8411	.01556	.00242	11.762	.00453	.00108	-.07362
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6873.1**	**95339.**	**6107.4**
Stddev	11.7	201.	50.5
%RSD	.17015	.21118	.82701
#1	6881.3	95482.	6143.2
#2	6864.8	95197.	6071.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 18:15:38 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49736**	**.51854**	**1.0151**	**.51765**	**.50167**	**.49933**	**-.00919**	**5.0524**	**.50626**	**.50898**	**.50790**	**.50255**	**2.4964**
Stddev	.00171	.00139	.0022	.00024	.00004	.00081	.00061	.0415	.00077	.00051	.00096	.00031	.0214
%RSD	.34474	.26839	.21515	.04548	.00762	.16209	6.6676	.82208	.15301	.09997	.18981	.06236	.85728
#1	.49857	.51756	1.0136	.51781	.50169	.49990	-.00875	5.0230	.50681	.50934	.50859	.50233	2.4812
#2	.49614	.51953	1.0167	.51748	.50164	.49876	-.00962	5.0817	.50571	.50862	.50722	.50277	2.5115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.494**	**.99746**	**19.593**	**.49845**	**.51098**	**5.1015**	**.51177**	**1.0104**	**1.0399**	**.01413**	**1.0325**	**1.0235**	**4.9568**
Stddev	.131	.00236	.087	.00109	.00067	.0352	.00083	.0008	.0007	.00036	.0019	.0000	.0636
%RSD	.25846	.23615	.44353	.21812	.13115	.68974	.16275	.07460	.06657	2.5310	.18495	.00267	1.2826
#1	50.587	.99580	19.654	.49921	.51145	5.1264	.51236	1.0109	1.0404	.01438	1.0338	1.0235	4.9119
#2	50.402	.99913	19.531	.49768	.51050	5.0766	.51118	1.0098	1.0394	.01387	1.0311	1.0234	5.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.608**	**1.0203**	**.49962**	**.00490**	**.49258**	**1.0429**	**.02004**	**.49601**	**.49337**	**.49690**
Stddev	.136	.0004	.00165	.00002	.00053	.0012	.04306	.00068	.00322	.00018
%RSD	1.2826	.04028	.32940	.42731	.10847	.11022	214.90	.13755	.65311	.03523
#1	10.511	1.0200	.50079	.00488	.49295	1.0437	.05049	.49650	.49110	.49702
#2	10.704	1.0205	.49846	.00491	.49220	1.0421	-.01041	.49553	.49565	.49678
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6845.8**	**95604.**	**5918.2**
Stddev	8.8	680.	15.1
%RSD	.12865	.71090	.25474
#1	6839.6	95124.	5907.6
#2	6852.0	96085.	5928.9

Sample Name: CCB Acquired: 11/15/2013 18:17:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00097**	**.00246**	**.00199**	**-.00008**	**.00008**	**-.00152**	**.00806**	**.00035**	**-.00008**	**-.00001**	**-.00074**
Stddev	.00029	.00004	.00163	.00088	.00052	.00004	.00076	.00437	.00004	.00013	.00016	.00008
%RSD	165.50	3.7875	66.104	44.236	660.98	54.947	50.098	54.254	12.134	153.12	1804.2	10.600
#1	-.00038	.00094	.00131	.00261	.00029	.00005	-.00206	.01115	.00038	.00001	.00010	-.00079
#2	.00003	.00099	.00361	.00137	-.00044	.00011	-.00098	.00497	.00032	-.00017	-.00012	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**-.00808**	**.00136**	**.00028**	**.00009**	**.00220**	**.04364**	**-.00028**	**.00064**	**-.00085**	**.01117**	**.00276**
Stddev	.00167	.00356	.00061	.00044	.00009	.00033	.03093	.00015	.00026	.00038	.00006	.00141
%RSD	32.504	44.121	44.662	157.25	97.693	15.248	70.881	53.443	41.512	44.520	.52291	50.964
#1	.00633	-.01060	.00093	.00059	.00003	.00196	.06551	-.00017	.00045	-.00112	.01113	.00177
#2	.00396	-.00556	.00179	-.00003	.00015	.00243	.02177	-.00039	.00082	-.00059	.01121	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**.01258**	**.02692**	**.00050**	**.00012**	**.00012**	**-.00006**	**-.00106**	**.00464**	**-.00027**	**.00257**	W **.00292**
Stddev	.00176	.00298	.00638	.00059	.00006	.00057	.00026	.00080	.02256	.00010	.00014	.00034
%RSD	37.057	23.703	23.703	118.27	52.051	461.83	400.61	75.693	485.91	37.122	5.5127	11.704
#1	.00351	.01047	.02241	.00008	.00017	-.00028	.00012	-.00163	-.01131	-.00034	.00247	.00316
#2	.00600	.01469	.03143	.00091	.00008	.00053	-.00024	-.00049	.02060	-.00020	.00267	.00267
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6876.2**	**97021.**	**5862.5**
Stddev	78.1	159.	30.2
%RSD	1.1352	.16426	.51584
#1	6821.0	97134.	5841.1
#2	6931.4	96908.	5883.9

Sample Name: CCVL2383195 Acquired: 11/15/2013 18:20:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.10795**	**.01404**	**.10460**	**.00972**	**.00097**	**.11836**	**.21655**	**.00563**	**.01083**	**.01068**	**.01518**	**.10469**
Stddev	.00014	.00056	.00015	.00028	.00039	.00008	.00399	.00014	.00008	.00032	.00003	.00001	.00216
%RSD	1.3706	.51948	1.0528	.26893	4.0393	7.9125	3.3734	.06318	1.4750	2.9184	.26929	.08931	2.0603
#1	.01001	.10835	.01415	.10440	.01000	.00103	.11553	.21645	.00557	.01061	.01070	.01519	.10621
#2	.01021	.10756	.01394	.10480	.00945	.00092	.12118	.21665	.00569	.01105	.01066	.01517	.10316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0052**	**.01001**	**.20601**	**.01024**	**.02104**	**1.0337**	**.04249**	**2.9958**	**.00990**	**.00501**	**.00995**	**.01515**	**.48955**
Stddev	.0144	.00049	.00111	.00008	.00004	.0116	.00019	.0025	.00083	.00186	.00009	.00353	.00599
%RSD	.47745	4.8884	.53882	.80979	.20824	1.1230	.44175	.08348	8.3875	37.032	.86392	23.261	1.2229
#1	3.0153	.00966	.20679	.01018	.02101	1.0419	.04262	2.9941	.01049	.00370	.01001	.01765	.48531
#2	2.9950	.01035	.20522	.01030	.02107	1.0255	.04235	2.9976	.00931	.00632	.00988	.01266	.49378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0476**	**.10693**	**.01004**	**.01225**	**.00993**	**.01673**	F **.11082**	**.00939**	**.02272**	**.01810**
Stddev	.0128	.00009	.00012	.00053	.00018	.00020	.01638	.00032	.00014	.00138
%RSD	1.2229	.08614	1.2349	4.3072	1.8102	1.2238	14.778	3.3719	.62453	7.6124
#1	1.0386	.10686	.01013	.01262	.01006	.01687	.12240	.00962	.02262	.01712
#2	1.0567	.10699	.00996	.01188	.00981	.01658	.09924	.00917	.02282	.01907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6970.9**	**98761.**	**6147.2**
Stddev	13.9	36.	65.6
%RSD	.19908	.03618	1.0678
#1	6961.1	98736.	6100.8
#2	6980.7	98786.	6193.7

Sample Name: mb 280-200879/1-a Acquired: 11/15/2013 18:22:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00021	.00386	-.00164	.00036	.00011	.00000	-.00053	.02305	.00032	-.00022
Stddev	.00043	.00030	.00041	.00033	.00009	.00000	.00053	.00412	.00000	.00008
%RSD	203.60	7.8821	25.007	90.094	80.436	296.28	99.700	17.870	1.5506	35.322
#1	-.00052	.00364	-.00135	.00059	.00005	.00000	-.00016	.02014	.00032	-.00027
#2	.00009	.00407	-.00193	.00013	.00017	.00000	-.00091	.02596	.00033	-.00016
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00074	.00740	-.01051	.00290	.00403	.00011	.00005	-.00903	.00105
Stddev	.00006	.00036	.00346	.02836	.00238	.00221	.00000	.00002	.00375	.00038
%RSD	146.66	47.912	46.800	269.80	82.281	54.755	1.1300	36.490	41.525	36.677
#1	.00000	.00049	.00495	-.03057	.00121	.00247	.00011	.00004	-.01169	.00132
#2	.00008	.00100	.00985	.00954	.00458	.00559	.00011	.00007	-.00638	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00317	.00006	W .00699	.00057	-.00139	.00608	.01301	.00028	.00011	-.00083
Stddev	.00024	.00064	.00276	.00024	.00013	.00667	.01427	.00001	.00001	.00077
%RSD	7.5814	1063.6	39.552	42.085	9.4779	109.70	109.70	4.7213	5.4162	92.853
#1	.00334	-.00039	.00894	.00040	-.00129	.01079	.02310	.00027	.00010	-.00028
#2	.00300	.00051	.00503	.00074	-.00148	.00136	.00292	.00029	.00011	-.00137
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500							
Low Limit			-.00500							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	-.00064	.02572	-.00076	.00329	.00264
Stddev	.00009	.00041	.03427	.00025	.00007	.00067
%RSD	68.777	64.453	133.20	33.000	2.1822	25.376
#1	-.00006	-.00093	.04995	-.00058	.00334	.00217
#2	-.00018	-.00035	.00149	-.00094	.00324	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7070.9	100610.	6118.7
Stddev	29.8	42.	3.3
%RSD	.42139	.04218	.05448
#1	7049.8	100640.	6121.1
#2	7091.9	100580.	6116.4

Sample Name: lcs 280-200879/2-a Acquired: 11/15/2013 18:24:49 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04945**	**1.9096**	**1.0332**	F **.00039**	**2.0005**	**.04915**	**2.1784**	**48.356**	**.10271**	**.49519**
Stddev	.00025	.0015	.0007	.00017	.0106	.00016	.0014	.159	.00010	.00025
%RSD	.50413	.07814	.06840	43.878	.52714	.31994	.06245	.32864	.09481	.05001
#1	.04927	1.9085	1.0327	.00051	1.9931	.04926	2.1793	48.243	.10278	.49536
#2	.04962	1.9106	1.0337	.00027	2.0080	.04904	2.1774	48.468	.10264	.49501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1050						
Low Limit				.86000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20363**	**.25512**	**.99413**	**50.755**	**1.0039**	**48.124**	**.48428**	F **.00000**	**51.669**	**.49660**
Stddev	.00014	.00089	.00561	.110	.0034	.011	.00053	.00003	.085	.00078
%RSD	.06756	.34970	.56454	.21590	.34410	.02369	.10904	6501.7	.16383	.15689
#1	.20353	.25449	.99810	50.678	1.0015	48.132	.48465	-.00002	51.728	.49605
#2	.20373	.25575	.99016	50.833	1.0063	48.116	.48390	.00002	51.609	.49715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.90000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.286**	**.51158**	**.00607**	F **-.00318**	**2.0842**	F **.01413**	**.03024**	F **.00044**	**.99338**	**.96026**
Stddev	.002	.00069	.00158	.00082	.0067	.00699	.01497	.00036	.00608	.00069
%RSD	.02384	.13495	26.061	25.689	.32110	49.504	49.504	82.611	.61182	.07231
#1	10.284	.51109	.00495	-.00261	2.0795	.01907	.04082	.00070	.98908	.96075
#2	10.288	.51206	.00719	-.00376	2.0889	.00918	.01965	.00018	.99767	.95977
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass
High Limit				.55499		11.000		2.2600		
Low Limit				.44000		9.0000		1.7000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00260**	**2.0054**	F **2.4263**	**.49380**	**.47466**	F **-.01184**
Stddev	.00005	.0022	.0129	.00063	.00046	.00030
%RSD	1.7500	.11201	.53340	.12729	.09696	2.5764
#1	.00257	2.0038	2.4172	.49424	.47434	-.01205
#2	.00263	2.0070	2.4355	.49335	.47499	-.01162
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	1.1100		2.3000			.57500
Low Limit	.90000		1.7000			.42500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6713.3**	**94610.**	**6027.7**
Stddev	3.6	53.	8.9
%RSD	.05429	.05581	.14714
#1	6715.9	94647.	6021.4
#2	6710.7	94572.	6034.0

Sample Name: 280-49176-b-1-a Acquired: 11/15/2013 18:27:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**.08226**	**.00306**	**.23480**	**.11394**	**-.00002**	**.00057**	**138.55**	**.00087**	**-.00014**
Stddev	.00001	.00028	.00217	.00121	.00010	.00007	.00197	.97	.00002	.00021
%RSD	1.8828	.33625	70.930	.51551	.08424	279.88	346.84	.70095	2.7838	149.26
#1	-.00065	.08206	.00152	.23566	.11387	.00002	-.00083	137.86	.00085	-.00029
#2	-.00064	.08245	.00459	.23395	.11401	-.00007	.00196	139.23	.00089	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00291**	**.12317**	**4.5832**	**.04600**	**37.660**	**.10771**	**.00398**	**187.43**	**.00158**
Stddev	.00005	.00025	.00096	.0209	.00244	.020	.00030	.00010	1.11	.00040
%RSD	19.446	8.4988	.78278	.45576	5.2973	.05192	.27724	2.6091	.59477	25.296
#1	.00023	.00308	.12385	4.5979	.04773	37.647	.10750	.00390	186.64	.00186
#2	.00030	.00273	.12249	4.5684	.04428	37.674	.10793	.00405	188.22	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06439**	**-.00043**	**139.11**	**.00133**	**.01259**	**5.4762**	**11.719**	**-.00008**	**1.8352**	**.00255**
Stddev	.00315	.00023	.13	.00088	.00226	.0535	.115	.00049	.0109	.00165
%RSD	4.8957	53.892	.09502	66.432	17.917	.97750	.97750	629.14	.59627	64.660
#1	.06216	-.00059	139.21	.00070	.01419	5.5140	11.800	-.00043	1.8275	.00138
#2	.06661	-.00026	139.02	.00195	.01100	5.4383	11.638	.00027	1.8430	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.00146**	**.03794**	**.00178**	**.00650**	**.00243**
Stddev	.00018	.00099	.03027	.00005	.00010	.00234
%RSD	8.4595	67.697	79.792	3.0132	1.5531	96.424
#1	.00221	.00076	.05935	.00174	.00657	.00409
#2	.00196	.00215	.01653	.00181	.00643	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6576.5**	**92026.**	**6099.1**
Stddev	10.1	132.	40.9
%RSD	.15333	.14334	.67137
#1	6569.3	92119.	6128.1
#2	6583.6	91932.	6070.2

Sample Name: 280-49176-b-1-aSD@5 Acquired: 11/15/2013 18:29:24 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.02520**	**-.00130**	**.04833**	**.02302**	**-.00001**	**-.00198**	**28.539**	**.00025**	**-.00012**
Stddev	.00003	.00034	.00081	.00001	.00032	.00007	.00003	.016	.00007	.00026
%RSD	7.5158	1.3592	62.671	.01582	1.4009	907.62	1.6829	.05621	26.958	217.63
#1	-.00043	.02496	-.00072	.04833	.02279	.00004	-.00195	28.527	.00020	.00006
#2	-.00039	.02544	-.00187	.04834	.02325	-.00006	-.00200	28.550	.00030	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00067**	**.03806**	**.92118**	**.01037**	**7.7440**	**.02221**	**.00070**	**38.954**	**.00020**
Stddev	.00007	.00019	.00292	.07094	.00301	.0003	.00013	.00019	.560	.00001
%RSD	26.922	27.897	7.6825	7.7014	28.992	.00385	.59187	27.420	1.4372	6.0125
#1	.00033	.00054	.04012	.97135	.00824	7.7438	.02212	.00056	38.558	.00020
#2	.00022	.00081	.03599	.87102	.01249	7.7442	.02230	.00084	39.350	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01144**	**.00070**	**27.220**	**-.00115**	**.00006**	**1.1015**	**2.3572**	**.00126**	**.37461**	**-.00050**
Stddev	.00051	.00007	.016	.00016	.00021	.0040	.0086	.00060	.00127	.00106
%RSD	4.4708	10.636	.05795	13.653	344.42	.36444	.36444	47.283	.33868	213.22
#1	.01108	.00064	27.209	-.00127	.00021	1.0986	2.3511	.00168	.37371	.00025
#2	.01180	.00075	27.231	-.00104	-.00009	1.1043	2.3632	.00084	.37551	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00050**	**.00103**	**-.00056**	**.00557**	**.00358**
Stddev	.00005	.00048	.01284	.00007	.00019	.00160
%RSD	94.883	95.459	1252.2	12.643	3.3608	44.852
#1	-.00002	.00016	-.00805	-.00061	.00544	.00244
#2	-.00008	.00084	.01010	-.00051	.00570	.00471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6874.1**	**97235.**	**6109.3**
Stddev	4.3	67.	38.1
%RSD	.06197	.06897	.62306
#1	6877.1	97282.	6082.3
#2	6871.1	97187.	6136.2

Sample Name: 280-49176-b-1-b ms Acquired: 11/15/2013 18:31:47 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05190**	**1.9851**	**1.1072**	**.23155**	**2.1797**	**.05094**	F **2.1915**	**187.11**	**.10657**	**.50288**
Stddev	.00062	.0004	.0017	.00029	.0290	.00057	.0000	2.42	.00029	.00023
%RSD	1.2022	.02052	.15165	.12737	1.3321	1.1258	.00192	1.2931	.27039	.04663
#1	.05146	1.9854	1.1084	.23134	2.1592	.05053	2.1915	185.40	.10677	.50305
#2	.05235	1.9848	1.1060	.23176	2.2003	.05134	2.1915	188.82	.10637	.50272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20844**	**.26822**	**1.1249**	**58.453**	**1.1062**	**87.137**	**.60899**	**.00396**	**240.24**	**.50951**
Stddev	.00034	.00030	.0057	.798	.0144	.182	.00020	.00010	3.08	.00125
%RSD	.16270	.11204	.50484	1.3660	1.3050	.20932	.03210	2.5843	1.2833	.24491
#1	.20868	.26843	1.1209	57.888	1.0960	87.008	.60885	.00389	238.06	.51039
#2	.20820	.26800	1.1289	59.018	1.1164	87.266	.60913	.00403	242.42	.50863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.155**	**.50995**	**139.69**	**-.00222**	**2.2100**	**5.5422**	**11.860**	**.00016**	**2.8598**	**.99921**
Stddev	.027	.00076	.25	.00115	.0109	.0091	.019	.00044	.0342	.00388
%RSD	.23888	.14974	.18032	51.788	.49343	.16358	.16358	280.02	1.1959	.38829
#1	11.174	.51049	139.86	-.00141	2.2177	5.5357	11.847	.00046	2.8357	.99647
#2	11.136	.50941	139.51	-.00304	2.2023	5.5486	11.874	-.00015	2.8840	1.0020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00461**	**1.9248**	**2.5287**	**.51830**	**.49438**	W **-.01215**
Stddev	.00025	.0104	.0637	.00182	.00128	.00100
%RSD	5.3316	.53973	2.5189	.35138	.25808	8.2037
#1	.00478	1.9321	2.5738	.51701	.49348	-.01285
#2	.00444	1.9174	2.4837	.51959	.49528	-.01144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6485.4**	**90544.**	**6063.1**
Stddev	8.2	36.	56.3
%RSD	.12719	.03926	.92894
#1	6479.5	90519.	6102.9
#2	6491.2	90569.	6023.3

Sample Name: 280-49176-b-1-c msd Acquired: 11/15/2013 18:34:03 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05149**	**1.9631**	**1.1026**	**.23175**	**2.1835**	**.05122**	F **2.1861**	**187.97**	**.10577**	**.49996**
Stddev	.00033	.0031	.0002	.00083	.0041	.00013	.0045	.22	.00081	.00008
%RSD	.65050	.15812	.01740	.35771	.18841	.24634	.20433	.11617	.76975	.01507
#1	.05173	1.9653	1.1025	.23234	2.1805	.05131	2.1829	187.82	.10635	.49990
#2	.05126	1.9609	1.1028	.23117	2.1864	.05113	2.1892	188.13	.10519	.50001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20731**	**.26486**	**1.1247**	**58.351**	**1.1020**	**86.046**	**.60120**	**.00385**	**241.75**	**.50679**
Stddev	.00009	.00002	.0025	.090	.0062	.263	.00243	.00000	.63	.00032
%RSD	.04506	.00874	.22553	.15491	.56622	.30530	.40355	.12536	.26175	.06283
#1	.20738	.26488	1.1265	58.287	1.1064	86.232	.60291	.00385	241.30	.50701
#2	.20725	.26485	1.1229	58.415	1.0976	85.860	.59948	.00385	242.19	.50656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.055**	**.50576**	**139.71**	**-.00364**	**2.1871**	**5.5881**	**11.959**	**-.00008**	**2.8826**	**.98662**
Stddev	.012	.00104	.11	.00198	.0027	.0072	.015	.00031	.0022	.00598
%RSD	.11154	.20538	.07613	54.311	.12525	.12949	.12949	386.05	.07583	.60576
#1	11.046	.50502	139.63	-.00504	2.1852	5.5933	11.970	.00014	2.8810	.99084
#2	11.063	.50649	139.78	-.00224	2.1890	5.5830	11.948	-.00030	2.8841	.98239
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**1.9141**	**2.4889**	**.51319**	**.48760**	W **-.01212**
Stddev	.00005	.0058	.0009	.00259	.00214	.00048
%RSD	1.1870	.30138	.03441	.50520	.43919	3.9715
#1	.00425	1.9181	2.4895	.51503	.48912	-.01178
#2	.00418	1.9100	2.4883	.51136	.48609	-.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6484.7**	**91167.**	**6022.2**
Stddev	16.4	196.	9.9
%RSD	.25239	.21495	.16512
#1	6473.1	91028.	6029.2
#2	6496.3	91306.	6015.1

Sample Name: CCVH-2382126 Acquired: 11/15/2013 18:36:16 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00606**	**49.870**	**.00120**	**.00108**	**.00054**	**-.00005**	W **1.0530**	**.02243**	**.00084**	**-.00053**	**.00032**	**.02359**
Stddev	.00022	.648	.00148	.00029	.00006	.00002	.0023	.00116	.00004	.00015	.00012	.00029
%RSD	3.5737	1.3001	122.68	27.134	10.296	52.626	.21458	5.1638	4.1933	27.816	38.128	1.2386
#1	-.00590	49.412	.00016	.00088	.00050	-.00006	1.0514	.02161	.00086	-.00064	.00023	.02379
#2	-.00621	50.329	.00225	.00129	.00058	-.00003	1.0546	.02325	.00081	-.00043	.00041	.02338
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.053**	**.11429**	**.00262**	**.10141**	**.00130**	**.00026**	**252.31**	**-.00064**	**.00894**	**.00298**	**5.1474**	**-.00017**
Stddev	.320	.01979	.00327	.00520	.00010	.00023	3.14	.00041	.00134	.00020	.0011	.00075
%RSD	.63854	17.315	124.96	5.1314	7.5423	87.778	1.2434	64.587	14.969	6.6275	.02165	432.29
#1	49.827	.12828	.00030	.10509	.00137	.00010	250.09	-.00093	.00800	.00284	5.1482	.00036
#2	50.279	.10030	.00493	.09773	.00123	.00042	254.53	-.00035	.00989	.00312	5.1466	-.00070
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**-.00471**	**-.01008**	**.00041**	**.00061**	**4.8503**	**.01473**	**.00370**	F **11.769**	**.00418**	**.00105**	**-.07072**
Stddev	.00466	.00785	.01681	.00018	.00005	.0015	.00059	.00021	.038	.00032	.00016	.00087
%RSD	1249.6	166.70	166.70	43.002	7.4554	.03034	4.0047	5.6711	.32447	7.6755	15.187	1.2246
#1	-.00367	.00084	.00180	.00028	.00057	4.8493	.01431	.00356	11.742	.00441	.00116	-.07133
#2	.00292	-.01027	-.02197	.00053	.00064	4.8513	.01515	.00385	11.796	.00396	.00094	-.07010
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6936.9**	**96482.**	**6321.0**
Stddev	20.8	53.	18.6
%RSD	.29929	.05479	.29347
#1	6951.5	96444.	6334.1
#2	6922.2	96519.	6307.9

Sample Name: CCV-2372889 Acquired: 11/15/2013 18:38:41 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49629**	**.51364**	**1.0158**	**.51519**	W **.55127**	**.54807**	**-.01029**	F **5.5383**	**.50503**	**.50956**	**.50768**	**.50413**
Stddev	.00160	.00057	.0005	.00342	.06754	.06705	.00220	.6431	.00096	.00050	.00009	.00159
%RSD	.32301	.11019	.04829	.66287	12.251	12.234	21.383	11.611	.19018	.09788	.01746	.31479
#1	.49515	.51324	1.0154	.51277	.59902	.59549	-.00874	5.9930	.50571	.50921	.50774	.50526
#2	.49742	.51404	1.0161	.51760	.50351	.50066	-.01185	5.0836	.50435	.50992	.50762	.50301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000			5.0000				
Range					10.000%			10.490%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7270**	F **55.440**	**1.0931**	**19.412**	**.49555**	**.51353**	F **5.6045**	**.51239**	**1.0208**	**1.0469**	**.01930**	**1.0387**
Stddev	.3092	6.811	.1313	.118	.00119	.00016	.7160	.00015	.0035	.0034	.00118	.0037
%RSD	11.340	12.285	12.015	.60667	.23939	.03193	12.775	.03003	.34535	.32422	6.0946	.35958
#1	2.9457	60.257	1.1860	19.329	.49471	.51341	6.1108	.51250	1.0183	1.0445	.02013	1.0414
#2	2.5083	50.624	1.0002	19.496	.49639	.51364	5.0983	.51228	1.0233	1.0493	.01846	1.0361
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value		50.000					5.0000					
Range		10.490%					10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0343**	**5.4421**	**11.646**	**1.0223**	**.54786**	**.00432**	**.49100**	**1.0456**	**.00665**	**.49611**	**.48514**	**.54980**
Stddev	.0010	.5924	1.268	.0009	.06757	.00255	.00245	.0004	.02475	.00248	.00440	.06001
%RSD	.10130	10.886	10.886	.09137	12.332	58.998	.49978	.03763	372.18	.49987	.90598	10.915
#1	1.0350	5.8611	12.543	1.0216	.59564	.00252	.48927	1.0458	.02415	.49435	.48203	.59223
#2	1.0335	5.0232	10.750	1.0229	.50009	.00612	.49274	1.0453	-.01085	.49786	.48825	.50736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6946.7**	**97555.**	**5653.1**
Stddev	8.8	651.	642.6
%RSD	.12622	.66695	11.367
#1	6952.9	98016.	5198.7
#2	6940.5	97095.	6107.5

Sample Name: CCB Acquired: 11/15/2013 18:40:50 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00100**	**-.00005**	**.00041**	**-.00017**	**.00016**	**-.00262**	**.00303**	**.00007**	**-.00010**	**.00009**	**-.00074**
Stddev	.00017	.00014	.00257	.00019	.00032	.00010	.00077	.00217	.00004	.00009	.00026	.00004
%RSD	92.878	13.491	5146.0	46.677	186.66	64.981	29.432	71.504	54.790	91.490	282.57	5.4781
#1	-.00006	.00091	-.00187	.00054	-.00040	.00023	-.00207	.00150	.00004	-.00017	-.00009	-.00077
#2	-.00030	.00110	.00177	.00027	.00006	.00009	-.00316	.00457	.00010	-.00004	.00028	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00498**	**.04415**	**.00189**	**.00162**	**.00003**	**.00212**	**.05585**	**-.00004**	**.00080**	**-.00013**	**.01558**	**.00147**
Stddev	.00067	.08169	.00125	.00261	.00006	.00035	.00601	.00031	.00147	.00074	.00160	.00009
%RSD	13.434	185.02	66.300	161.08	180.44	16.543	10.769	835.63	184.22	554.34	10.301	6.3288
#1	.00546	.10191	.00100	.00346	-.00001	.00187	.06011	-.00026	-.00024	-.00065	.01444	.00141
#2	.00451	-.01361	.00278	-.00022	.00008	.00237	.05160	.00018	.00183	.00039	.01671	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00484**	**-.00453**	**-.00969**	**.00033**	**.00004**	**-.00002**	**-.00013**	**-.00022**	**.03135**	**-.00043**	**.00227**	W **.00359**
Stddev	.00045	.00345	.00738	.00014	.00002	.00087	.00010	.00097	.01632	.00017	.00014	.00101
%RSD	9.3079	76.162	76.162	42.629	40.665	4723.1	80.289	439.66	52.078	39.392	6.0089	28.045
#1	.00516	-.00697	-.01492	.00023	.00003	.00060	-.00006	.00046	.01980	-.00031	.00237	.00430
#2	.00452	-.00209	-.00447	.00043	.00005	-.00064	-.00020	-.00091	.04289	-.00055	.00217	.00287
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6958.5**	**98855.**	**6024.5**
Stddev	4.6	418.	10.1
%RSD	.06670	.42264	.16762
#1	6955.2	98559.	6031.7
#2	6961.7	99150.	6017.4

Sample Name: CCVL2383195 Acquired: 11/15/2013 18:43:10 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00950**	**.10717**	**.01629**	**.10240**	**.01010**	**.00113**	**.11286**	**.21711**	**.00543**	**.01057**	**.01049**	**.01467**	**.10633**
Stddev	.00008	.00050	.00042	.00097	.00008	.00017	.00060	.00332	.00006	.00002	.00005	.00023	.00101
%RSD	.85719	.47011	2.5615	.94757	.79272	15.166	.53219	1.5307	1.0154	.21163	.43896	1.5504	.95292
#1	.00945	.10681	.01658	.10172	.01004	.00101	.11328	.21946	.00547	.01056	.01046	.01483	.10561
#2	.00956	.10752	.01599	.10309	.01016	.00125	.11243	.21476	.00539	.01059	.01053	.01451	.10704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0632**	**.01028**	**.20297**	**.01023**	**.02073**	**1.0422**	**.04260**	**2.9549**	**.00911**	**.01199**	**.00987**	**.01455**	**.49967**
Stddev	.0402	.00154	.00366	.00001	.00009	.0013	.00036	.0200	.00048	.00250	.00012	.00011	.00877
%RSD	1.3111	15.017	1.8014	.11133	.42797	.12299	.84390	.67849	5.2391	20.811	1.2564	.78987	1.7555
#1	3.0916	.01137	.20555	.01022	.02067	1.0431	.04235	2.9407	.00878	.01376	.00995	.01447	.50588
#2	3.0348	.00919	.20038	.01024	.02080	1.0413	.04286	2.9690	.00945	.01023	.00978	.01464	.49347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0693**	**.10472**	**.01037**	**.01440**	**.00991**	**.01622**	F **.10136**	**.00979**	**.02299**	**.01886**
Stddev	.0188	.00103	.00005	.00027	.00006	.00093	.01629	.00010	.00047	.00056
%RSD	1.7555	.97975	.52839	1.8882	.56926	5.7392	16.072	1.0010	2.0588	2.9950
#1	1.0826	.10400	.01033	.01421	.00995	.01687	.08984	.00972	.02332	.01926
#2	1.0560	.10545	.01040	.01459	.00987	.01556	.11287	.00986	.02265	.01846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7047.6**	**100260.**	**6110.3**
Stddev	.4	283.	97.3
%RSD	.00555	.28241	1.5928
#1	7047.3	100060.	6041.5
#2	7047.9	100460.	6179.1

Sample Name: 280-49177-c-12-a Acquired: 11/15/2013 18:45:32 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00342**	**-.00020**	**-.00001**	**-.00035**	**.00003**	**.00008**	**.02911**	**.00027**	**-.00014**
Stddev	.00013	.00011	.00048	.00029	.00010	.00014	.00049	.00011	.00007	.00011
%RSD	46.015	3.2217	237.60	2186.7	28.722	506.14	614.43	.37654	26.939	78.141
#1	-.00020	.00334	.00014	.00019	-.00042	-.00007	.00043	.02919	.00022	-.00006
#2	-.00039	.00350	-.00054	-.00022	-.00028	.00012	-.00027	.02904	.00032	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00041**	**.00768**	**-.01572**	**.00131**	**.00301**	**.00014**	**.00002**	**.01928**	**.00005**
Stddev	.00005	.00031	.00125	.01864	.00107	.00006	.00005	.00033	.00467	.00029
%RSD	46.005	76.302	16.245	118.52	81.595	1.8535	36.097	1716.9	24.216	542.70
#1	.00008	-.00063	.00680	-.00255	.00206	.00297	.00011	-.00022	.02258	.00026
#2	.00016	-.00019	.00856	-.02890	.00055	.00305	.00018	.00026	.01598	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00055**	**.01618**	**.00066**	**.00091**	**.00609**	**.01304**	**.00008**	**.00008**	**-.00127**
Stddev	.00008	.00085	.00080	.00032	.00201	.01847	.03953	.00022	.00007	.00032
%RSD	2.5517	153.97	4.9683	49.264	221.35	303.11	303.11	277.96	91.007	25.248
#1	.00326	.00115	.01675	.00089	-.00051	-.00697	-.01491	-.00007	.00012	-.00105
#2	.00315	-.00005	.01561	.00043	.00233	.01915	.04099	.00023	.00003	-.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00120**	**.04172**	**-.00039**	**.00443**	**.00205**
Stddev	.00028	.00015	.01515	.00067	.00025	.00046
%RSD	105.04	12.861	36.317	168.92	5.5587	22.442
#1	-.00007	-.00109	.03100	-.00086	.00461	.00237
#2	-.00046	-.00131	.05243	.00008	.00426	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7104.1**	**101670.**	**6166.2**
Stddev	13.2	564.	43.7
%RSD	.18581	.55431	.70877
#1	7094.8	101280.	6197.1
#2	7113.4	102070.	6135.3

Sample Name: 280-49177-c-13-a Acquired: 11/15/2013 18:47:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.03045**	**-.00209**	**.00044**	**.00045**	**.00007**	**-.00165**	**.31284**	**.00029**	**-.00009**
Stddev	.00020	.00020	.00018	.00012	.00008	.00005	.00056	.00233	.00009	.00020
%RSD	71.142	.65607	8.4580	27.523	17.555	66.177	34.073	.74597	31.540	218.68
#1	-.00043	.03031	-.00197	.00053	.00051	.00004	-.00204	.31449	.00036	.00005
#2	-.00014	.03059	-.00222	.00035	.00040	.00010	-.00125	.31119	.00023	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00099**	**.03345**	**-.04572**	**.00052**	**.01154**	**.00019**	**-.00005**	**.60526**	**-.00008**
Stddev	.00003	.00019	.00040	.00953	.00142	.00102	.00001	.00021	.00470	.00008
%RSD	6.0701	18.997	1.1852	20.848	271.03	8.8184	7.5762	398.17	.77703	104.73
#1	.00055	.00086	.03317	-.03898	-.00048	.01226	.00018	-.00020	.60859	-.00013
#2	.00060	.00112	.03373	-.05246	.00153	.01082	.00020	.00009	.60194	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00053**	**.01220**	**-.00180**	**.00092**	**1.4884**	**3.1851**	**.00029**	**.00048**	**.00067**
Stddev	.00098	.00008	.00036	.00086	.00186	.0149	.0319	.00020	.00015	.00308
%RSD	64.506	14.959	2.9610	47.587	203.01	1.0029	1.0029	68.605	30.511	462.89
#1	.00220	.00047	.01194	-.00120	-.00040	1.4778	3.1625	.00015	.00058	.00285
#2	.00082	.00059	.01245	-.00241	.00223	1.4989	3.2077	.00043	.00038	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00154**	**.02471**	**-.00057**	**.00258**	**.00320**
Stddev	.00003	.00024	.02351	.00026	.00003	.00078
%RSD	5.7154	15.362	95.124	44.775	1.3139	24.359
#1	.00053	-.00171	.00809	-.00039	.00256	.00375
#2	.00057	-.00137	.04133	-.00076	.00261	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7067.5**	**102150.**	**6217.7**
Stddev	29.3	1059.	98.6
%RSD	.41419	1.0366	1.5855
#1	7046.8	101400.	6148.0
#2	7088.2	102900.	6287.4

Sample Name: 280-49176-b-2-a Acquired: 11/15/2013 18:50:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.10973**	**-.00215**	**.25109**	**.10976**	**.00007**	**-.00133**	**147.01**	**.00071**	**-.00005**
Stddev	.00052	.00069	.00036	.00001	.00047	.00002	.00284	.26	.00018	.00021
%RSD	149.39	.62686	16.697	.00255	.43171	22.093	213.12	.17906	25.812	462.46
#1	-.00072	.10925	-.00189	.25109	.10943	.00008	.00068	146.83	.00058	-.00020
#2	.00002	.11022	-.00240	.25108	.11010	.00006	-.00334	147.20	.00084	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00259**	**.14125**	**4.5765**	**.04751**	**38.339**	**.16362**	**.00380**	**203.63**	**.00157**
Stddev	.00006	.00002	.00155	.0152	.00049	.036	.00052	.00009	1.21	.00029
%RSD	55.440	.71258	1.0982	.33281	1.0400	.09266	.31593	2.3300	.59233	18.429
#1	.00016	.00260	.14015	4.5657	.04716	38.314	.16326	.00374	202.78	.00177
#2	.00007	.00258	.14235	4.5873	.04786	38.364	.16399	.00386	204.49	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05600**	**-.00010**	**155.31**	**-.00071**	**.00305**	**5.4930**	**11.755**	**-.00003**	**1.8960**	**-.00128**
Stddev	.00069	.00128	.35	.00022	.00159	.0140	.030	.00032	.0089	.00046
%RSD	1.2243	1326.1	.22251	30.874	52.065	.25411	.25411	1048.1	.46662	36.111
#1	.05551	.00081	155.55	-.00087	.00192	5.4831	11.734	.00020	1.8897	-.00095
#2	.05648	-.00100	155.06	-.00056	.00417	5.5029	11.776	-.00026	1.9023	-.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**.00009**	**.05850**	**.00154**	**.00620**	**.00453**
Stddev	.00027	.00077	.02684	.00003	.00032	.00032
%RSD	11.924	830.49	45.872	1.8201	5.1368	7.1410
#1	.00206	-.00045	.07748	.00152	.00643	.00430
#2	.00244	.00064	.03953	.00156	.00598	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6589.6**	**92915.**	**6113.2**
Stddev	18.1	73.	43.0
%RSD	.27445	.07841	.70391
#1	6576.8	92966.	6143.6
#2	6602.3	92863.	6082.8

Sample Name: 280-49176-b-3-a Acquired: 11/15/2013 18:52:31 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.09688**	**-.00206**	**.25478**	**.11186**	**-.00003**	**-.00292**	**149.59**	**.00083**	**-.00005**
Stddev	.00029	.00017	.00079	.00155	.00081	.00001	.00083	.02	.00011	.00023
%RSD	241.47	.17468	38.035	.60831	.72762	42.077	28.445	.01548	13.524	469.27
#1	-.00033	.09700	-.00262	.25588	.11128	-.00002	-.00351	149.57	.00075	.00011
#2	.00009	.09676	-.00151	.25369	.11243	-.00004	-.00233	149.60	.00091	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00272**	**.12888**	**4.6819**	**.04873**	**38.753**	**.16656**	**.00373**	**208.17**	**.00168**
Stddev	.00013	.00013	.00254	.0133	.00070	.077	.00052	.00004	.34	.00003
%RSD	104.45	4.6177	1.9679	.28368	1.4459	.19862	.31167	.99084	.16368	2.0587
#1	.00022	.00281	.12708	4.6913	.04923	38.699	.16620	.00370	207.93	.00166
#2	.00003	.00263	.13067	4.6725	.04823	38.808	.16693	.00375	208.41	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05415**	**-.00050**	**157.18**	**.00003**	**.00517**	**5.5520**	**11.881**	**-.00002**	**1.9433**	**-.00226**
Stddev	.00083	.00025	.63	.00098	.00223	.0848	.181	.00012	.0037	.00118
%RSD	1.5351	49.567	.40255	2968.5	43.162	1.5268	1.5268	552.71	.19128	52.263
#1	.05357	-.00032	157.62	.00073	.00675	5.4921	11.753	.00006	1.9407	-.00310
#2	.05474	-.00067	156.73	-.00066	.00360	5.6119	12.010	-.00011	1.9459	-.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**-.00144**	**.06667**	**.00107**	**.00577**	**.00319**
Stddev	.00040	.00008	.00298	.00039	.00010	.00046
%RSD	21.754	5.5796	4.4705	36.164	1.7776	14.539
#1	.00157	-.00149	.06457	.00135	.00584	.00286
#2	.00215	-.00138	.06878	.00080	.00570	.00352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6617.6**	**92766.**	**6183.0**
Stddev	21.6	507.	1.0
%RSD	.32578	.54653	.01680
#1	6602.3	93124.	6182.2
#2	6632.8	92407.	6183.7

Sample Name: 280-49176-b-4-a Acquired: 11/15/2013 18:54:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.14720**	**-.00125**	**.26696**	**.10457**	**.00017**	**-.00113**	**150.88**	**.00086**	**.00021**
Stddev	.00011	.00143	.00157	.00014	.00002	.00005	.00059	.55	.00005	.00014
%RSD	28.210	.97343	125.69	.05374	.02079	32.004	51.859	.36612	6.2681	64.831
#1	-.00030	.14821	-.00014	.26685	.10459	.00013	-.00155	150.49	.00082	.00012
#2	-.00046	.14618	-.00236	.26706	.10456	.00021	-.00072	151.27	.00090	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00241**	**.17014**	**4.5932**	**.04901**	**38.821**	**.21980**	**.00394**	**214.01**	**.00185**
Stddev	.00008	.00046	.00097	.0141	.00027	.016	.00067	.00010	.21	.00015
%RSD	36.715	19.270	.57058	.30769	.55400	.04001	.30673	2.4303	.09736	8.3301
#1	.00016	.00208	.16945	4.6032	.04920	38.832	.22027	.00387	213.86	.00174
#2	.00027	.00274	.17082	4.5832	.04881	38.810	.21932	.00401	214.15	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05159**	**.00049**	**167.17**	**-.00038**	**.00272**	**5.4072**	**11.571**	**.00022**	**1.9261**	**-.00120**
Stddev	.00313	.00066	.73	.00158	.00097	.0204	.044	.00054	.0008	.00101
%RSD	6.0646	136.03	.43792	420.26	35.827	.37815	.37815	240.16	.04058	84.011
#1	.05380	.00002	166.65	-.00149	.00340	5.4216	11.602	.00060	1.9255	-.00192
#2	.04937	.00096	167.69	.00074	.00203	5.3927	11.540	-.00016	1.9266	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.00010**	**.03389**	**.00182**	**.00588**	**.00503**
Stddev	.00023	.00046	.02816	.00037	.00041	.00083
%RSD	7.4553	474.09	83.087	20.147	6.9972	16.465
#1	.00323	.00042	.05380	.00156	.00617	.00444
#2	.00291	-.00023	.01398	.00208	.00558	.00561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6607.2**	**93247.**	**6211.6**
Stddev	8.9	294.	77.2
%RSD	.13516	.31536	1.2435
#1	6600.9	93039.	6266.3
#2	6613.5	93455.	6157.0

Sample Name: 280-49177-c-11-a Acquired: 11/15/2013 18:57:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.12290**	**.00639**	**.10058**	**.30393**	**.00000**	**-.00462**	**83.152**	**.00056**	**.01966**
Stddev	.00051	.00053	.00093	.00029	.00087	.0001	.00025	.248	.00006	.00002
%RSD	183.24	.43385	14.580	.28347	.28691	78006.	5.5187	.29827	10.944	.11698
#1	.00008	.12252	.00704	.10038	.30332	-.00004	-.00444	82.977	.00061	.01968
#2	-.00063	.12328	.00573	.10078	.30455	.00004	-.00480	83.327	.00052	.01965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01196**	**.00224**	**.27384**	**1.3276**	**.03391**	**21.521**	**.33321**	**.00241**	**70.717**	**.00858**
Stddev	.00006	.00023	.00039	.0296	.00106	.051	.00080	.00020	.341	.00040
%RSD	.50777	10.262	.14332	2.2330	3.1308	.23543	.24059	8.3755	.48255	4.6316
#1	.01200	.00240	.27356	1.3486	.03466	21.557	.33377	.00255	70.958	.00886
#2	.01192	.00208	.27412	1.3067	.03316	21.485	.33264	.00227	70.475	.00830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04062**	**-.00055**	**13.707**	**-.00142**	**.00232**	**13.700**	**29.319**	**.00046**	**.48322**	**.00098**
Stddev	.00054	.00058	.061	.00020	.00138	.009	.020	.00023	.00099	.00291
%RSD	1.3281	104.57	.44411	13.807	59.477	.06685	.06685	50.516	.20507	296.09
#1	.04024	-.00096	13.664	-.00156	.00329	13.707	29.333	.00030	.48251	-.00108
#2	.04101	-.00014	13.750	-.00128	.00134	13.694	29.305	.00063	.48392	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00188**	**.00054**	**-.02674**	**.00031**	**.00937**	**.00284**
Stddev	.00002	.00069	.00145	.00009	.00043	.00077
%RSD	.81797	129.09	5.4244	29.415	4.6358	27.107
#1	.00187	.00103	-.02776	.00037	.00968	.00339
#2	.00189	.00005	-.02571	.00025	.00906	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6848.3**	**96342.**	**6202.7**
Stddev	1.4	454.	14.3
%RSD	.02107	.47126	.23000
#1	6849.3	96021.	6212.7
#2	6847.3	96663.	6192.6

Sample Name: CCVH-2382126 Acquired: 11/15/2013 18:59:37 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00626**	**50.576**	**.00032**	**.00102**	**.00020**	**-.00006**	**1.0392**	**.01300**	**.00075**	**-.00049**	**.00011**	**.02391**	**49.838**
Stddev	.00005	.345	.00188	.00005	.00009	.00012	.0035	.00424	.00006	.00005	.00004	.00031	.765
%RSD	.73528	.68300	591.56	5.0082	43.978	187.08	.33775	32.619	7.9123	11.128	34.403	1.2769	1.5342
#1	-.00622	50.332	-.00101	.00106	.00014	-.00015	1.0416	.01600	.00079	-.00052	.00014	.02369	49.297
#2	-.00629	50.821	.00165	.00099	.00026	.00002	1.0367	.01000	.00071	-.00045	.00008	.02412	50.378
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01503**	**.00022**	**.10146**	**.00140**	**.00030**	**254.92**	**-.00073**	**.00249**	**.00192**	**5.0727**	**-.00297**	**-.00662**	**.01009**
Stddev	.03461	.00057	.00855	.00004	.00002	1.17	.00007	.00006	.00074	.0165	.00014	.00115	.00854
%RSD	230.28	253.10	8.4286	2.7118	6.7442	.45711	10.034	2.3059	38.452	.32445	4.7092	17.371	84.614
#1	-.00944	-.00018	.09541	.00137	.00031	254.10	-.00068	.00245	.00244	5.0611	-.00287	-.00743	.00406
#2	.03951	.00062	.10750	.00142	.00028	255.75	-.00078	.00253	.00139	5.0844	-.00307	-.00581	.01613
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02160**	**.00004**	**.00046**	**4.8361**	**.01487**	**.00175**	F **11.799**	**.00394**	**.00082**	**-.07206**
Stddev	.01828	.00055	.00005	.0155	.00028	.00007	.075	.00049	.00044	.00073
%RSD	84.614	1428.8	10.575	.32065	1.8838	4.2081	.63759	12.382	52.884	1.0072
#1	.00868	-.00035	.00042	4.8251	.01467	.00180	11.746	.00359	.00113	-.07257
#2	.03453	.00043	.00049	4.8471	.01506	.00169	11.853	.00428	.00052	-.07155
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6932.4**	**95969.**	**6140.4**
Stddev	13.1	92.	52.2
%RSD	.18942	.09540	.84995
#1	6941.7	95904.	6177.3
#2	6923.1	96033.	6103.5

Sample Name: CCV-2372889 Acquired: 11/15/2013 19:02:03 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49762**	**.51988**	**1.0221**	**.51923**	**.50516**	**.50112**	**-.01069**	**5.0374**	**.51012**	**.51472**	**.51249**	**.50764**	**2.4862**
Stddev	.00172	.00005	.0050	.00444	.00264	.00525	.00038	.0064	.00142	.00105	.00170	.00086	.0072
%RSD	.34649	.00930	.49453	.85534	.52269	1.0486	3.5483	.12774	.27800	.20354	.33077	.16885	.28929
#1	.49884	.51991	1.0185	.51609	.50702	.50483	-.01096	5.0329	.50912	.51398	.51129	.50825	2.4913
#2	.49640	.51984	1.0257	.52237	.50329	.49740	-.01042	5.0420	.51112	.51546	.51369	.50704	2.4811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.649**	**.99853**	**19.433**	**.49678**	**.51764**	**5.1432**	**.52176**	**1.0209**	**1.0479**	**.01807**	**1.0467**	**1.0378**	**4.9489**
Stddev	.513	.00829	.061	.00063	.00111	.0549	.00055	.0004	.0014	.00076	.0004	.0022	.0097
%RSD	1.0131	.83050	.31237	.12639	.21349	1.0675	.10452	.04120	.13343	4.2280	.04277	.21198	.19506
#1	51.012	1.0044	19.475	.49723	.51842	5.1821	.52137	1.0206	1.0489	.01861	1.0464	1.0362	4.9557
#2	50.287	.99267	19.390	.49634	.51686	5.1044	.52214	1.0212	1.0469	.01753	1.0471	1.0393	4.9421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.591**	**1.0283**	**.50357**	**.00488**	**.49346**	**1.0500**	**.01330**	**.49860**	**.48770**	**.50265**
Stddev	.021	.0009	.00386	.00065	.00085	.0034	.00957	.00108	.00687	.00311
%RSD	.19506	.08539	.76693	13.302	.17159	.32643	71.922	.21610	1.4082	.61789
#1	10.605	1.0277	.50631	.00442	.49406	1.0524	.00654	.49936	.49255	.50485
#2	10.576	1.0290	.50084	.00534	.49286	1.0476	.02007	.49784	.48284	.50046
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6964.7**	**98075.**	**6184.4**
Stddev	7.8	254.	51.0
%RSD	.11145	.25920	.82541
#1	6959.2	97895.	6148.3
#2	6970.2	98255.	6220.4

Sample Name: CCB Acquired: 11/15/2013 19:04:13 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00048**	**.00070**	**-.00004**	**-.00022**	**.00015**	**-.00246**	**.00399**	**.00032**	**.00006**	**.00008**	**-.00062**
Stddev	.00028	.00002	.00204	.00043	.00018	.00000	.00164	.00261	.00025	.00010	.00007	.00047
%RSD	60.965	4.5808	290.19	959.54	81.824	2.3814	66.714	65.541	77.637	170.83	95.877	76.052
#1	-.00065	.00047	.00214	-.00035	-.00009	.00015	-.00130	.00214	.00050	.00013	.00013	-.00096
#2	-.00026	.00050	-.00074	.00026	-.00035	.00014	-.00362	.00584	.00015	-.00001	.00003	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00393**	**-.01069**	**-.00009**	**.00258**	**.00004**	**.00201**	**.04798**	**-.00029**	**.00074**	**.00100**	**.01325**	W **.00444**
Stddev	.00110	.05394	.00128	.00236	.00001	.00045	.00243	.00021	.00050	.00018	.00124	.00151
%RSD	27.876	504.83	1353.0	91.780	33.654	22.331	5.0657	73.150	67.672	18.390	9.3938	34.042
#1	.00316	.02746	-.00100	.00425	.00004	.00169	.04626	-.00044	.00110	.00087	.01237	.00337
#2	.00471	-.04883	.00081	.00090	.00003	.00233	.04970	-.00014	.00039	.00113	.01413	.00550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00262**	**.00383**	**.00820**	**.00023**	**.00001**	**.00045**	**-.00002**	**-.00072**	**-.01784**	**-.00090**	**.00248**	F **.00544**
Stddev	.00093	.01594	.03412	.00033	.00000	.00040	.00029	.00128	.00272	.00005	.00005	.00025
%RSD	35.596	415.86	415.86	142.53	39.170	87.900	1299.3	178.22	15.254	5.8096	1.9247	4.6039
#1	.00196	-.00744	-.01592	.00046	.00000	.00017	.00018	.00019	-.01591	-.00086	.00245	.00561
#2	.00328	.01511	.03233	.00000	.00001	.00073	-.00022	-.00162	-.01976	-.00093	.00252	.00526
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00476
Low Limit												-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6971.4**	**100260.**	**6098.4**
Stddev	2.1	290.	43.7
%RSD	.03038	.28905	.71702
#1	6969.9	100060.	6067.5
#2	6972.9	100470.	6129.4

Sample Name: CCVL2383195 Acquired: 11/15/2013 19:06:34 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00988**	**.10820**	**.01458**	**.10340**	**.00995**	**.00098**	**.11615**	**.21109**	**.00555**	**.01050**	**.01064**	**.01507**	**.10352**
Stddev	.00026	.00078	.00116	.00010	.00014	.00006	.00167	.00011	.00013	.00020	.00003	.00047	.00154
%RSD	2.6538	.72120	7.9706	.09467	1.4123	5.8011	1.4371	.05094	2.3379	1.8976	.24027	3.1306	1.4884
#1	.00969	.10765	.01540	.10333	.01005	.00094	.11497	.21117	.00546	.01064	.01066	.01540	.10461
#2	.01006	.10875	.01376	.10347	.00985	.00102	.11733	.21101	.00564	.01036	.01063	.01473	.10243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9862**	**.01273**	**.20098**	**.01018**	**.02096**	**1.0489**	**.04265**	**2.9844**	**.01062**	**.01441**	**.00886**	**.01612**	**.49005**
Stddev	.0115	.00132	.00019	.00014	.00020	.0037	.00001	.0019	.00008	.00238	.00037	.00171	.00361
%RSD	.38554	10.398	.09523	1.4032	.94818	.35178	.02320	.06312	.78245	16.539	4.1991	10.583	.73633
#1	2.9781	.01367	.20085	.01008	.02082	1.0463	.04265	2.9831	.01068	.01273	.00912	.01733	.49261
#2	2.9944	.01180	.20112	.01028	.02110	1.0515	.04264	2.9857	.01056	.01610	.00860	.01492	.48750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0487**	**.10600**	**.01014**	**.01412**	**.00991**	**.01656**	F **.09735**	**.00950**	**.02284**	**.01792**
Stddev	.0077	.00042	.00015	.00041	.00010	.00085	.01989	.00014	.00051	.00039
%RSD	.73633	.39765	1.5283	2.8990	1.0300	5.1088	20.432	1.4985	2.2178	2.1587
#1	1.0542	.10630	.01003	.01440	.00998	.01716	.11142	.00961	.02320	.01819
#2	1.0433	.10570	.01025	.01383	.00984	.01596	.08329	.00940	.02248	.01764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7054.5**	**100660.**	**6137.5**
Stddev	1.9	170.	105.4
%RSD	.02643	.16900	1.7172
#1	7055.8	100780.	6063.0
#2	7053.2	100540.	6212.1

Sample Name: mb 280-200652/1-a Acquired: 11/15/2013 19:08:56 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	W **.05650**	**-.00100**	**.02025**	**.00072**	**-.00003**	**-.00367**	F **.69966**	**.00031**	**.00003**
Stddev	.00048	.00068	.00077	.00030	.00011	.00008	.00029	.00954	.00008	.00002
%RSD	199.04	1.2052	76.611	1.4882	15.401	244.95	7.8585	1.3638	26.870	87.693
#1	.00010	.05602	-.00046	.02046	.00064	.00002	-.00388	.69291	.00037	.00005
#2	-.00058	.05698	-.00155	.02004	.00080	-.00009	-.00347	.70641	.00026	.00001
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.05000						.20000		
Low Limit		-.05000						-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00069**	**.04973**	**-.02100**	**.00220**	**.06811**	**.00136**	**.00003**	**.08988**	**-.00016**
Stddev	.00007	.00030	.00114	.00879	.00030	.00110	.00005	.00016	.00448	.00004
%RSD	22.321	43.239	2.2990	41.857	13.717	1.6138	3.8312	522.89	4.9844	25.939
#1	.00028	-.00048	.05054	-.02721	.00198	.06889	.00132	-.00008	.09305	-.00019
#2	.00038	-.00090	.04892	-.01478	.00241	.06733	.00139	.00014	.08671	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00581**	**.00086**	**.01905**	**-.00123**	**.00007**	**.07650**	**.16371**	**.00597**	**.00177**	**-.00100**
Stddev	.00021	.00088	.00047	.00049	.00157	.01256	.02687	.00032	.00008	.00076
%RSD	3.6874	102.34	2.4743	39.793	2171.2	16.413	16.413	5.4326	4.7593	76.199
#1	.00566	.00024	.01872	-.00158	-.00104	.06762	.14471	.00574	.00182	-.00153
#2	.00596	.00148	.01938	-.00089	.00118	.08538	.18271	.00620	.00171	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00046**	**.00812**	**-.00060**	**.00349**	**.00360**
Stddev	.00017	.00029	.01804	.00009	.00001	.00001
%RSD	38.938	61.630	222.15	14.527	.41848	.15901
#1	.00056	-.00067	.02087	-.00053	.00348	.00359
#2	.00032	-.00026	-.00464	-.00066	.00350	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7097.9**	**102660.**	**6216.8**
Stddev	8.7	610.	9.7
%RSD	.12283	.59409	.15669
#1	7091.8	103090.	6209.9
#2	7104.1	102220.	6223.7

Sample Name: lcs 280-200652/2-a Acquired: 11/15/2013 19:11:16 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04605**	**1.9720**	**1.0103**	F **1.1012**	**1.9939**	**.04859**	**2.0673**	**48.953**	**.09832**	**.48674**
Stddev	.00050	.0042	.0017	.0063	.0000	.00019	.0095	.091	.00061	.00084
%RSD	1.0934	.21186	.16663	.57706	.00202	.39013	.45831	.18489	.61734	.17160
#1	.04641	1.9750	1.0091	1.0967	1.9938	.04872	2.0606	48.889	.09789	.48733
#2	.04569	1.9691	1.0115	1.1057	1.9939	.04845	2.0740	49.017	.09875	.48615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20185**	**.25204**	**1.0309**	**50.356**	**.99758**	**46.857**	**.48277**	**1.0194**	**51.617**	**.49271**
Stddev	.00060	.00056	.0007	.017	.00255	.026	.00037	.0015	.128	.00215
%RSD	.29883	.22345	.07165	.03323	.25563	.05601	.07575	.15022	.24860	.43613
#1	.20142	.25243	1.0303	50.345	.99938	46.875	.48303	1.0205	51.526	.49119
#2	.20227	.25164	1.0314	50.368	.99577	46.838	.48251	1.0183	51.707	.49423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9641**	**.49920**	**.01650**	**.49710**	**1.9861**	**4.9671**	**10.630**	**1.9784**	**.98970**	**.95215**
Stddev	.0149	.00087	.00006	.00014	.0004	.0165	.035	.0047	.00046	.00254
%RSD	.14909	.17436	.37426	.02876	.02091	.33310	.33310	.23762	.04674	.26662
#1	9.9746	.49858	.01654	.49700	1.9858	4.9554	10.605	1.9751	.98938	.95394
#2	9.9536	.49981	.01645	.49720	1.9864	4.9788	10.655	1.9817	.99003	.95035
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98179**	**1.9333**	F **2.4378**	**.49179**	**.46580**	**.48827**
Stddev	.00191	.0013	.0220	.00013	.00159	.00489
%RSD	.19505	.06473	.90129	.02619	.34150	1.0016
#1	.98043	1.9324	2.4222	.49170	.46468	.48481
#2	.98314	1.9342	2.4533	.49188	.46693	.49173
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6714.2**	**94746.**	**6079.4**
Stddev	.6	245.	39.0
%RSD	.00930	.25817	.64136
#1	6714.7	94573.	6107.0
#2	6713.8	94918.	6051.9

Sample Name: 280-48953-a-1-c Acquired: 11/15/2013 19:13:23 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00207**	**225.60**	**.10998**	**.40598**	**3.2495**	**.00983**	**-.04442**	F **1450.8**	**.00765**	**.06942**
Stddev	.00005	.44	.00041	.00008	.0079	.00001	.00148	7.4	.00021	.00029
%RSD	2.3327	.19663	.37414	.01934	.24426	.06545	3.3346	.50685	2.7237	.41447
#1	-.00210	225.28	.10969	.40592	3.2439	.00982	-.04547	1445.6	.00750	.06963
#2	-.00203	225.91	.11027	.40603	3.2551	.00983	-.04338	1456.0	.00779	.06922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20672**	**.19053**	**184.07**	**79.202**	**.73901**	**249.86**	**5.7536**	**.02745**	**15.699**	**.19509**
Stddev	.00023	.00013	.88	.375	.00102	1.16	.0160	.00015	.060	.00053
%RSD	.11354	.07075	.47899	.47392	.13793	.46349	.27827	.56119	.38470	.27151
#1	.20689	.19063	183.45	78.936	.73829	249.04	5.7423	.02734	15.742	.19471
#2	.20655	.19044	184.69	79.467	.73973	250.68	5.7649	.02756	15.657	.19546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.045**	**.14305**	**4.4660**	**.01157**	**.01515**	**2.0195**	**4.3217**	**.01855**	**4.3718**	**.06898**
Stddev	.015	.00059	.0022	.00500	.00384	.0116	.0248	.00016	.1038	.00120
%RSD	.14659	.40950	.04834	43.246	25.379	.57439	.57439	.85422	2.3732	1.7349
#1	10.034	.14346	4.4675	.00803	.01787	2.0113	4.3041	.01844	4.4452	.06813
#2	10.055	.14263	4.4645	.01511	.01243	2.0277	4.3392	.01866	4.2985	.06982
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6299**	**-.00339**	F **-.25150**	**.29211**	**.69141**	**.31595**
Stddev	.0040	.00092	.00577	.00018	.00161	.00091
%RSD	.11158	27.106	2.2945	.06290	.23355	.28767
#1	3.6270	-.00404	-.24742	.29198	.69027	.31660
#2	3.6327	-.00274	-.25558	.29224	.69255	.31531
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7348.4**	**98986.**	**7255.5**
Stddev	17.9	172.	5.5
%RSD	.24338	.17414	.07537
#1	7361.1	98864.	7259.4
#2	7335.8	99108.	7251.7

Sample Name: 280-48953-a-2-c Acquired: 11/15/2013 19:16:33 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**113.37**	**.09998**	**.17265**	**1.8801**	**.00453**	**-.01412**	F **2011.4**	**.00584**	**.03687**
Stddev	.00028	.04	.00013	.00008	.0054	.00003	.00154	13.1	.00017	.00005
%RSD	17.131	.03648	.13154	.04352	.28901	.70652	10.892	.65094	2.8327	.14171
#1	-.00146	113.39	.09989	.17270	1.8840	.00455	-.01521	2002.2	.00572	.03691
#2	-.00186	113.34	.10007	.17259	1.8763	.00451	-.01303	2020.7	.00595	.03684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16758**	**.10712**	**104.64**	**35.000**	**.39495**	**122.33**	**2.3027**	**.11137**	**6.7009**	**.17998**
Stddev	.00019	.00016	1.12	.136	.00175	.33	.0110	.00051	.0041	.00019
%RSD	.11375	.14841	1.0685	.38848	.44282	.26977	.47832	.46151	.06127	.10811
#1	.16772	.10723	105.43	35.096	.39371	122.57	2.3104	.11174	6.7038	.17985
#2	.16745	.10701	103.85	34.904	.39619	122.10	2.2949	.11101	6.6980	.18012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.4694**	**.04769**	**3.6687**	**.01948**	**.01174**	**1.3067**	**2.7964**	**.01029**	W **5.5357**	**.02473**
Stddev	.0107	.00022	.0089	.00039	.00705	.0233	.0499	.00075	.0048	.00249
%RSD	.19537	.46246	.24342	2.0212	60.056	1.7839	1.7839	7.2630	.08598	10.080
#1	5.4618	.04784	3.6623	.01976	.01672	1.3232	2.8316	.01081	5.5323	.02297
#2	5.4770	.04753	3.6750	.01920	.00675	1.2902	2.7611	.00976	5.5390	.02649
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8337**	**-.00205**	W **-.08914**	**.20446**	**.40024**	**.15300**
Stddev	.0048	.00024	.00417	.00048	.00080	.00090
%RSD	.26241	11.511	4.6734	.23419	.20025	.58502
#1	1.8371	-.00188	-.08620	.20479	.40081	.15363
#2	1.8303	-.00222	-.09209	.20412	.39967	.15237
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6921.8**	**93384.**	**6709.1**
Stddev	14.5	424.	48.8
%RSD	.20969	.45434	.72699
#1	6932.0	93084.	6674.6
#2	6911.5	93684.	6743.6

Sample Name: 280-48953-a-2-cSD@5 Acquired: 11/15/2013 19:19:36 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00134**	**24.281**	**.01845**	**.04023**	**.40731**	**.00096**	**-.00199**	W **502.04**	**.00168**	**.00884**
Stddev	.00011	.410	.00035	.00121	.00740	.00020	.00072	12.66	.00009	.00001
%RSD	8.4699	1.6899	1.8952	2.9954	1.8176	20.634	36.250	2.5225	5.4902	.09100
#1	-.00142	23.991	.01870	.03938	.40208	.00082	-.00249	493.08	.00161	.00885
#2	-.00126	24.571	.01821	.04109	.41255	.00110	-.00148	510.99	.00174	.00884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03787**	**.02350**	**23.198**	**7.2995**	**.08071**	**27.115**	**.50990**	**.02518**	**1.4312**	**.04287**
Stddev	.00013	.00037	.471	.1070	.00114	.036	.00037	.00052	.0069	.00023
%RSD	.34246	1.5892	2.0296	1.4652	1.4180	.13461	.07298	2.0451	.48481	.53147
#1	.03777	.02323	22.865	7.2238	.07990	27.089	.51017	.02482	1.4263	.04271
#2	.03796	.02376	23.531	7.3751	.08152	27.141	.50964	.02555	1.4361	.04303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1787**	**.01127**	**.75427**	**.00240**	**.00447**	**.26812**	**.57378**	**.00424**	**1.2098**	**.00493**
Stddev	.0072	.00131	.00517	.00013	.00216	.00177	.00379	.00028	.0217	.00163
%RSD	.60714	11.613	.68478	5.4480	48.236	.66118	.66118	6.5630	1.7933	33.040
#1	1.1736	.01220	.75062	.00231	.00600	.26937	.57646	.00404	1.1945	.00609
#2	1.1838	.01035	.75792	.00249	.00295	.26687	.57110	.00444	1.2252	.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39110**	**.00117**	**-.01838**	**.04384**	**.09800**	**.03494**
Stddev	.00052	.00060	.02838	.00044	.00037	.00109
%RSD	.13353	51.438	154.47	1.0072	.38015	3.1199
#1	.39147	.00075	-.03845	.04353	.09774	.03571
#2	.39073	.00160	.00169	.04415	.09827	.03417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6856.8**	**95326.**	**6257.4**
Stddev	2.8	171.	148.8
%RSD	.04121	.17886	2.3779
#1	6858.8	95205.	6362.6
#2	6854.8	95447.	6152.2

Sample Name: 280-48953-b-2-e ms Acquired: 11/15/2013 19:22:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03164	155.82	.76590	.80503	3.2262	.03518	F 1.2403	F 2075.5	.06849	.31021
Stddev	.00008	.30	.00456	.00078	.0179	.00006	.0004	35.1	.00017	.00011
%RSD	.24806	.18993	.59496	.09707	.55461	.17816	.02999	1.6926	.24900	.03707
#1	.03169	155.61	.76913	.80448	3.2136	.03514	1.2400	2050.7	.06837	.31013
#2	.03158	156.02	.76268	.80558	3.2389	.03522	1.2406	2100.4	.06861	.31029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36276	.28239	118.32	78.821	1.0976	154.38	2.7022	.76862	40.856	.47703
Stddev	.00003	.00045	.31	.268	.0013	.95	.0115	.00022	.415	.00060
%RSD	.00852	.15970	.26399	.33996	.11914	.61579	.42679	.02900	1.0163	.12556
#1	.36274	.28207	118.10	78.631	1.0966	155.05	2.6940	.76846	40.562	.47660
#2	.36278	.28271	118.54	79.010	1.0985	153.71	2.7103	.76878	41.149	.47745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.990	.32119	3.7001	.11723	1.2717	3.0023	6.4249	1.0598	W 6.2547	.62133
Stddev	.005	.00054	.0081	.00025	.0017	.0053	.0112	.0006	.1785	.00037
%RSD	.04233	.16783	.22005	.20902	.13541	.17498	.17498	.05280	2.8535	.05887
#1	11.986	.32157	3.6944	.11706	1.2705	3.0060	6.4328	1.0602	6.1285	.62158
#2	11.994	.32081	3.7059	.11740	1.2729	2.9986	6.4169	1.0594	6.3809	.62107
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.3482	.95199	1.3706	.57902	.70462	.47411
Stddev	.0047	.00318	.0444	.00399	.00282	.00527
%RSD	.13968	.33393	3.2356	.68959	.40010	1.1111
#1	3.3515	.94975	1.4020	.58184	.70661	.47784
#2	3.3449	.95424	1.3393	.57619	.70263	.47039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6806.4	92570.	6527.9
Stddev	.1	363.	20.8
%RSD	.00082	.39179	.31840
#1	6806.4	92314.	6542.6
#2	6806.4	92827.	6513.2

Sample Name: 280-48953-b-2-f msd Acquired: 11/15/2013 19:25:04 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03594**	**175.44**	**.86332**	**.88978**	**3.7645**	**.03955**	F **1.4006**	F **2347.6**	**.07665**	**.34272**
Stddev	.00002	.46	.00073	.00448	.0135	.00002	.0028	28.8	.00035	.00048
%RSD	.04452	.26360	.08428	.50400	.35760	.03885	.19901	1.2249	.46119	.14071
#1	.03593	175.77	.86383	.88661	3.7740	.03954	1.3986	2368.0	.07690	.34238
#2	.03595	175.11	.86280	.89295	3.7550	.03956	1.4025	2327.3	.07640	.34306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41829**	**.31000**	**133.16**	**90.317**	**1.2612**	**177.70**	**3.0639**	**.81697**	**46.697**	**.52765**
Stddev	.00053	.00175	.48	.373	.0013	.44	.0208	.00109	.033	.00022
%RSD	.12672	.56546	.36135	.41339	.10635	.24836	.67914	.13298	.07119	.04125
#1	.41866	.30876	133.50	90.581	1.2621	177.39	3.0492	.81774	46.720	.52781
#2	.41791	.31124	132.82	90.053	1.2602	178.01	3.0786	.81621	46.673	.52750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.461**	**.35290**	**4.3107**	**.14544**	**1.4251**	**3.4159**	**7.3100**	**1.1137**	W **7.3423**	**.70577**
Stddev	.010	.00001	.0003	.00304	.0000	.0001	.0002	.0026	.2088	.00136
%RSD	.07681	.00348	.00572	2.0930	.00058	.00287	.00287	.23432	2.8439	.19312
#1	13.453	.35289	4.3105	.14759	1.4251	3.4160	7.3102	1.1156	7.4899	.70674
#2	13.468	.35291	4.3108	.14328	1.4251	3.4158	7.3099	1.1119	7.1946	.70481
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8688**	**1.0448**	**1.5321**	**.64841**	**.78650**	**.54357**
Stddev	.0032	.0000	.0130	.00080	.00040	.00210
%RSD	.08266	.00040	.84756	.12384	.05051	.38637
#1	3.8665	1.0449	1.5229	.64784	.78622	.54208
#2	3.8710	1.0448	1.5413	.64898	.78678	.54505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6835.0**	**92430.**	**6707.0**
Stddev	6.9	29.	99.1
%RSD	.10135	.03089	1.4782
#1	6839.9	92451.	6636.9
#2	6830.1	92410.	6777.1

Sample Name: 280-48953-a-2-cPDS Acquired: 11/15/2013 19:28:09 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03827**	**112.69**	**.28903**	**.25349**	**1.9386**	**.04841**	**-.01378**	F **1990.7**	**.05195**	**.07567**
Stddev	.00022	.84	.00177	.00113	.0123	.00039	.00087	13.6	.00038	.00033
%RSD	.58311	.74920	.61180	.44395	.63171	.81195	6.3112	.68462	.73669	.43905
#1	.03812	112.09	.28778	.25269	1.9299	.04814	-.01440	2000.3	.05222	.07590
#2	.03843	113.28	.29028	.25428	1.9473	.04869	-.01317	1981.1	.05168	.07543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20770**	**.15150**	**102.76**	**54.695**	**.48250**	**134.93**	**2.2914**	**.15240**	**25.655**	**.21690**
Stddev	.00078	.00031	.64	.381	.00231	.20	.0023	.00064	.239	.00058
%RSD	.37328	.20416	.62476	.69602	.47893	.14758	.10181	.42111	.93127	.26943
#1	.20825	.15172	102.31	54.426	.48086	135.07	2.2930	.15285	25.486	.21731
#2	.20715	.15128	103.22	54.964	.48413	134.79	2.2897	.15194	25.824	.21649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.2303**	**.12559**	**3.6246**	**.10843**	**.19851**	**5.6682**	**12.130**	**.08638**	W **5.3691**	**.19959**
Stddev	.0037	.00179	.0041	.00049	.00369	.0022	.005	.00046	.0743	.00201
%RSD	.05058	1.4258	.11302	.45167	1.8600	.03860	.03860	.53268	1.3845	1.0056
#1	7.2329	.12685	3.6275	.10809	.19590	5.6667	12.127	.08671	5.4217	.19817
#2	7.2277	.12432	3.6217	.10878	.20112	5.6698	12.133	.08606	5.3165	.20101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8265**	**.13826**	**.44211**	**.24426**	**.54885**	**.18983**
Stddev	.0025	.00178	.01348	.00043	.00032	.00319
%RSD	.13520	1.2903	3.0484	.17521	.05798	1.6824
#1	1.8282	.13952	.45164	.24457	.54907	.18757
#2	1.8247	.13700	.43258	.24396	.54862	.19209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.5**	**93695.**	**6693.6**
Stddev	3.1	14.	34.7
%RSD	.04517	.01443	.51893
#1	6874.7	93685.	6718.1
#2	6870.3	93704.	6669.0

Sample Name: 280-48953-a-3-c Acquired: 11/15/2013 19:31:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**197.72**	**.09300**	**.40627**	**3.1147**	**.00790**	**-.04246**	F **1119.9**	**.00998**	**.05511**
Stddev	.00048	.35	.00011	.00183	.0060	.00009	.00067	3.4	.00002	.00026
%RSD	39.217	.17609	.11881	.44989	.19374	1.1866	1.5703	.30537	.23295	.47016
#1	-.00088	197.96	.09308	.40756	3.1190	.00797	-.04199	1117.4	.00996	.05492
#2	-.00156	197.47	.09292	.40498	3.1104	.00783	-.04293	1122.3	.00999	.05529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18915**	**.21089**	**158.74**	**76.251**	**.64437**	**269.57**	**5.9871**	**.01338**	**8.3111**	**.15341**
Stddev	.00012	.00055	.11	.043	.00056	.25	.0362	.00007	.0156	.00028
%RSD	.06343	.25964	.07218	.05647	.08634	.09248	.60388	.52304	.18730	.18194
#1	.18923	.21051	158.82	76.221	.64398	269.75	5.9616	.01343	8.3001	.15361
#2	.18906	.21128	158.65	76.281	.64476	269.40	6.0127	.01333	8.3221	.15322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.724**	**.20285**	**4.9691**	**.00828**	**.01747**	**1.8891**	**4.0428**	**.02002**	**4.0403**	**.05951**
Stddev	.012	.00178	.0018	.00080	.00148	.0014	.0031	.00104	.0083	.00032
%RSD	.10443	.87990	.03662	9.6132	8.4466	.07649	.07649	5.1878	.20408	.53302
#1	11.733	.20411	4.9704	.00884	.01851	1.8881	4.0406	.02076	4.0461	.05928
#2	11.716	.20158	4.9678	.00772	.01642	1.8902	4.0449	.01929	4.0344	.05973
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1570**	**-.00112**	F **-.23494**	**.27497**	**.68091**	**.23709**
Stddev	.0013	.00108	.00734	.00135	.00099	.00219
%RSD	.03137	96.835	3.1262	.49188	.14490	.92167
#1	4.1561	-.00035	-.24013	.27593	.68161	.23555
#2	4.1579	-.00188	-.22974	.27401	.68021	.23864
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7178.6**	**96951.**	**6751.1**
Stddev	6.9	69.	62.7
%RSD	.09576	.07141	.92812
#1	7173.7	97000.	6706.8
#2	7183.4	96902.	6795.4

Sample Name: CCVH-2382126 Acquired: 11/15/2013 19:34:18 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00676**	**50.403**	**.00088**	**.00241**	**.00091**	**-.00008**	**1.0268**	**.19685**	**.00078**	**-.00064**	**.00036**	**.02293**	**49.530**
Stddev	.00004	.097	.00093	.00038	.00006	.00003	.0083	.10417	.00015	.00008	.00023	.00026	.105
%RSD	.61527	.19331	105.23	15.618	6.0314	37.007	.80552	52.918	19.114	12.750	65.656	1.1484	.21205
#1	-.00673	50.472	.00023	.00268	.00087	-.00010	1.0326	.12319	.00089	-.00058	.00052	.02312	49.604
#2	-.00679	50.335	.00154	.00214	.00095	-.00006	1.0209	.27051	.00068	-.00070	.00019	.02275	49.456
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08667**	**.00181**	**.10327**	**.00153**	**.00076**	**257.41**	**-.00095**	**.00680**	**.00230**	**4.9389**	**-.00265**	**-.00642**	**-.01313**
Stddev	.00228	.00011	.00012	.00000	.00014	1.01	.00030	.00037	.00088	.0310	.00127	.00091	.00689
%RSD	2.6269	5.9344	.11303	.06010	18.478	.39111	31.894	5.3995	38.163	.62781	47.926	14.246	52.508
#1	.08506	.00188	.10319	.00153	.00066	258.12	-.00073	.00654	.00168	4.9609	-.00354	-.00577	-.00826
#2	.08828	.00173	.10336	.00153	.00085	256.70	-.00116	.00706	.00292	4.9170	-.00175	-.00707	-.01801
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02810**	**.00051**	**.00088**	**4.7618**	**.01660**	**.00242**	F **11.548**	**.00424**	**.00112**	**-.07371**
Stddev	.01475	.00104	.00022	.0080	.00020	.00006	.032	.00017	.00015	.00113
%RSD	52.508	203.22	25.244	.16813	1.1909	2.4059	.28075	3.9276	13.311	1.5288
#1	-.01767	-.00022	.00072	4.7561	.01646	.00246	11.526	.00413	.00101	-.07291
#2	-.03853	.00125	.00104	4.7675	.01674	.00238	11.571	.00436	.00122	-.07450
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6797.8**	**94505.**	**5830.0**
Stddev	27.3	417.	11.4
%RSD	.40200	.44096	.19545
#1	6817.2	94210.	5838.1
#2	6778.5	94799.	5822.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 19:36:40 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48924**	**.52178**	**1.0154**	**.51526**	**.50156**	**.49823**	**-.00826**	**5.0912**	**.49944**	**.50617**	**.50953**	**.49633**	**2.4903**
Stddev	.00133	.00193	.0009	.00126	.00282	.00279	.00123	.0208	.00040	.00021	.00138	.00159	.0112
%RSD	.27257	.36907	.08729	.24504	.56258	.55937	14.904	.40779	.07933	.04059	.27081	.32089	.44855
#1	.48829	.52314	1.0160	.51615	.50356	.50020	-.00913	5.0765	.49916	.50631	.50856	.49745	2.4982
#2	.49018	.52041	1.0148	.51436	.49957	.49626	-.00739	5.1058	.49972	.50602	.51051	.49520	2.4824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.371**	**.99302**	**19.273**	**.49419**	**.51157**	**5.1364**	**.51613**	**1.0135**	**1.0468**	**.00592**	**1.0152**	**1.0247**	**4.9587**
Stddev	.475	.00687	.058	.00008	.00193	.0338	.00282	.0039	.0028	.00215	.0093	.0001	.0130
%RSD	.92374	.69157	.30317	.01689	.37787	.65811	.54684	.38696	.26812	36.309	.91654	.00892	.26145
#1	51.707	.99788	19.232	.49425	.51294	5.1603	.51414	1.0163	1.0488	.00744	1.0217	1.0246	4.9678
#2	51.035	.98817	19.315	.49414	.51020	5.1125	.51813	1.0107	1.0449	.00440	1.0086	1.0247	4.9495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.612**	**1.0174**	**.49611**	**.00535**	**.48431**	**1.0328**	**.01914**	**.49173**	**.48439**	**.49434**
Stddev	.028	.0043	.00259	.00152	.00112	.0063	.03884	.00124	.00165	.00199
%RSD	.26145	.42066	.52260	28.465	.23193	.60797	202.95	.25319	.34098	.40269
#1	10.631	1.0204	.49794	.00427	.48352	1.0372	-.00833	.49261	.48322	.49293
#2	10.592	1.0144	.49427	.00642	.48511	1.0284	.04660	.49085	.48556	.49575
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6823.0**	**96098.**	**5766.2**
Stddev	24.1	105.	108.3
%RSD	.35369	.10954	1.8783
#1	6840.1	96172.	5689.6
#2	6806.0	96024.	5842.8

Sample Name: CCB Acquired: 11/15/2013 19:38:49 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00303**	**.00084**	**.00142**	**-.00011**	**.00009**	**-.00245**	**.02011**	**.00036**	**-.00002**	**.00006**	**-.00105**
Stddev	.00001	.00093	.00276	.00005	.00009	.00005	.00009	.00243	.00013	.00022	.00012	.00006
%RSD	1.9613	30.700	327.78	3.2882	86.038	54.177	3.7484	12.102	36.262	1230.1	188.33	5.3482
#1	-.00046	.00237	.00280	.00138	-.00004	.00013	-.00251	.02183	.00046	.00014	.00015	-.00109
#2	-.00045	.00369	-.00111	.00145	-.00017	.00006	-.00238	.01839	.00027	-.00017	-.00002	-.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00601**	**.01589**	**.00045**	**.00477**	**.00008**	**.00179**	**.04241**	**-.00010**	**.00234**	**.00067**	**.00256**	W **.00457**
Stddev	.00185	.00532	.00005	.00030	.00002	.00057	.00499	.00013	.00039	.00029	.00118	.00139
%RSD	30.704	33.484	10.252	6.2062	19.516	32.115	11.767	138.62	16.667	42.740	46.219	30.378
#1	.00471	.01965	.00042	.00456	.00007	.00138	.04594	.00000	.00206	.00047	.00172	.00359
#2	.00732	.01213	.00048	.00498	.00010	.00220	.03888	-.00019	.00261	.00088	.00339	.00555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00288**	**.00081**	**.00173**	**.00016**	**.00014**	**.00022**	**.00022**	**-.00058**	**.01687**	**-.00047**	**.00228**	W **.00259**
Stddev	.00153	.00082	.00176	.00026	.00007	.00075	.00028	.00148	.00820	.00007	.00006	.00249
%RSD	53.152	102.18	102.18	165.42	51.159	338.84	128.94	257.92	48.611	15.521	2.4861	96.062
#1	.00180	.00139	.00297	-.00003	.00009	.00075	.00002	-.00162	.02267	-.00052	.00232	.00083
#2	.00396	.00022	.00048	.00034	.00019	-.00031	.00041	.00047	.01107	-.00041	.00224	.00435
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6847.5**	**98001.**	**5759.6**
Stddev	27.2	406.	27.3
%RSD	.39733	.41397	.47460
#1	6828.3	97714.	5778.9
#2	6866.7	98288.	5740.3

Sample Name: CCVL2383195 Acquired: 11/15/2013 19:41:09 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.11099**	**.01515**	**.10584**	**.01024**	**.00099**	**.11889**	**.23775**	**.00530**	**.01077**	**.01072**	**.01478**	**.10575**	**3.1122**
Stddev	.00025	.00044	.00042	.00040	.00016	.00001	.00020	.02716	.00006	.00019	.00011	.00040	.00398	.0009
%RSD	2.4059	.39829	2.7526	.37947	1.5329	.60501	.17009	11.424	1.2131	1.8051	1.0328	2.7065	3.7591	.02948
#1	.01017	.11130	.01485	.10556	.01035	.00099	.11903	.25695	.00526	.01064	.01080	.01506	.10857	3.1128
#2	.01053	.11067	.01544	.10612	.01013	.00100	.11875	.21854	.00535	.01091	.01064	.01450	.10294	3.1115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01295**	**.21197**	**.01025**	**.02065**	**1.0422**	**.04344**	**3.0417**	**.01087**	**.00419**	**.01014**	**.01517**	**.48385**	**1.0354**	**.10832**
Stddev	.00143	.00035	.00004	.00011	.0021	.00024	.0103	.00130	.00144	.00019	.00102	.03593	.0769	.00042
%RSD	11.080	.16334	.40024	.54971	.19896	.55077	.33922	11.960	34.327	1.8693	6.7284	7.4264	7.4264	.38886
#1	.01193	.21172	.01027	.02057	1.0408	.04327	3.0344	.00995	.00317	.01000	.01589	.45844	.98107	.10802
#2	.01396	.21221	.01022	.02073	1.0437	.04361	3.0490	.01179	.00520	.01027	.01445	.50926	1.0898	.10862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01017**	**.01430**	**.00954**	**.01744**	**.06873**	**.00934**	**.02205**	**.01881**
Stddev	.00010	.00075	.00007	.00114	.02679	.00038	.00031	.00039
%RSD	1.0204	5.2090	.69272	6.5257	38.975	4.0876	1.4108	2.0634
#1	.01025	.01378	.00949	.01824	.08767	.00961	.02227	.01853
#2	.01010	.01483	.00958	.01663	.04979	.00907	.02183	.01908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7030.5**	**99990.**	**5858.0**
Stddev	7.2	345.	189.2
%RSD	.10180	.34548	3.2301
#1	7035.6	100230.	5724.2
#2	7025.4	99746.	5991.8

Sample Name: 280-48953-a-4-c Acquired: 11/15/2013 19:43:30 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**234.15**	**.11405**	**.47110**	**3.1649**	**.00806**	**-.03625**	F **1661.0**	**.00647**	**.04805**
Stddev	.00007	.69	.00133	.00020	.0102	.00007	.00090	6.7	.00010	.00028
%RSD	3.4481	.29301	1.1621	.04230	.32362	.80742	2.4816	.40562	1.5938	.58832
#1	-.00212	233.66	.11499	.47124	3.1577	.00802	-.03562	1665.8	.00639	.04825
#2	-.00222	234.63	.11311	.47096	3.1722	.00811	-.03689	1656.3	.00654	.04785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19054**	**.17608**	**150.97**	**59.153**	**.72318**	**167.56**	**3.2696**	**.01869**	**81.873**	**.16045**
Stddev	.00068	.00040	.20	.049	.00026	1.38	.0045	.00003	.825	.00005
%RSD	.35507	.22773	.13064	.08365	.03605	.82651	.13871	.15727	1.0072	.03256
#1	.19101	.17637	151.11	59.118	.72336	166.58	3.2664	.01866	81.290	.16042
#2	.19006	.17580	150.83	59.188	.72299	168.54	3.2728	.01871	82.457	.16049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6639**	**.12590**	**32.982**	**.01513**	**.01796**	**2.0901**	**4.4728**	**.02139**	W **5.5848**	**.05970**
Stddev	.0176	.00047	.060	.00273	.00202	.0146	.0312	.00003	.0215	.00194
%RSD	.26429	.37371	.18338	18.078	11.225	.69662	.69662	.11856	.38495	3.2512
#1	6.6514	.12623	33.024	.01319	.01938	2.0798	4.4508	.02141	5.6000	.06107
#2	6.6763	.12556	32.939	.01706	.01653	2.1004	4.4948	.02137	5.5696	.05833
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3480**	**-.00143**	F **-.15325**	**.35363**	**.60128**	**.30295**
Stddev	.0096	.00122	.02261	.00153	.00783	.00084
%RSD	.22132	85.432	14.751	.43254	1.3018	.27798
#1	4.3412	-.00057	-.16924	.35255	.59575	.30235
#2	4.3548	-.00230	-.13727	.35471	.60682	.30354
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.6**	**92843.**	**6583.7**
Stddev	23.2	420.	.9
%RSD	.33423	.45212	.01397
#1	6967.0	93140.	6583.1
#2	6934.2	92546.	6584.4

Sample Name: 280-48953-a-5-c Acquired: 11/15/2013 19:46:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**199.18**	**.09560**	**.39207**	**3.0510**	**.00816**	**-.04590**	F **1157.4**	**.00997**	**.05768**
Stddev	.00006	.42	.00219	.00260	.0065	.00008	.00060	12.8	.00001	.00036
%RSD	5.5851	.20893	2.2907	.66414	.21346	1.0083	1.3079	1.1072	.09869	.62683
#1	-.00102	198.88	.09715	.39391	3.0464	.00811	-.04632	1166.5	.00997	.05793
#2	-.00110	199.47	.09405	.39023	3.0556	.00822	-.04547	1148.4	.00996	.05742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18968**	**.22745**	**162.03**	**78.435**	**.63746**	**271.82**	**6.1363**	**.00790**	**7.7848**	**.16071**
Stddev	.00111	.00191	1.01	.120	.00430	2.35	.0969	.00004	.0220	.00116
%RSD	.58735	.83869	.62336	.15292	.67497	.86424	1.5785	.54932	.28249	.72183
#1	.19047	.22880	161.31	78.351	.63442	270.16	6.0678	.00787	7.7692	.16153
#2	.18889	.22610	162.74	78.520	.64050	273.48	6.2048	.00793	7.8003	.15989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.259**	**.20954**	**5.1637**	**.00985**	**.01155**	**1.9934**	**4.2660**	**.01791**	**4.0757**	**.05902**
Stddev	.016	.00046	.0236	.00337	.00057	.0091	.0194	.00021	.0097	.00453
%RSD	.13242	.22150	.45693	34.202	4.9452	.45565	.45565	1.1923	.23727	7.6819
#1	12.270	.20987	5.1804	.00747	.01115	1.9870	4.2522	.01776	4.0689	.06222
#2	12.247	.20921	5.1471	.01223	.01195	1.9999	4.2797	.01806	4.0826	.05581
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8680**	**-.00301**	F **-.24112**	**.27433**	**.70958**	**.24057**
Stddev	.0001	.00042	.01488	.00278	.00536	.00247
%RSD	.00367	14.129	6.1723	1.0137	.75568	1.0275
#1	3.8681	-.00271	-.23060	.27237	.70579	.23882
#2	3.8679	-.00331	-.25165	.27630	.71338	.24231
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7181.6**	**97388.**	**6772.7**
Stddev	19.9	457.	44.6
%RSD	.27728	.46887	.65780
#1	7167.5	97711.	6741.2
#2	7195.6	97065.	6804.2

Sample Name: 280-48953-a-6-c Acquired: 11/15/2013 19:49:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**193.07**	**.08655**	**.37870**	**2.9554**	**.00784**	**-.04281**	F **1160.3**	**.00923**	**.05525**
Stddev	.00067	.07	.00057	.00029	.0099	.00008	.00160	14.4	.00019	.00012
%RSD	70.067	.03875	.65364	.07649	.33489	1.0447	3.7355	1.2391	2.0243	.21018
#1	-.00048	193.02	.08615	.37849	2.9484	.00778	-.04394	1150.2	.00910	.05517
#2	-.00143	193.12	.08695	.37890	2.9624	.00790	-.04168	1170.5	.00937	.05533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18191**	**.20610**	**154.85**	**75.557**	**.61642**	**253.18**	**5.9129**	**.01738**	**7.9098**	**.15024**
Stddev	.00009	.00100	.51	.051	.00167	1.48	.0003	.00018	.0036	.00066
%RSD	.05176	.48309	.33167	.06763	.27119	.58301	.00555	1.0262	.04519	.43659
#1	.18197	.20680	154.49	75.521	.61524	252.14	5.9132	.01750	7.9123	.14977
#2	.18184	.20539	155.22	75.593	.61760	254.22	5.9127	.01725	7.9073	.15070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.305**	**.18656**	**4.6019**	**.01000**	**.00839**	**2.0003**	**4.2806**	**.01674**	**3.8518**	**.05482**
Stddev	.016	.00133	.0166	.00128	.00023	.0041	.0088	.00010	.0110	.00010
%RSD	.14173	.71235	.36147	12.822	2.7153	.20554	.20554	.56987	.28553	.17664
#1	11.316	.18562	4.5901	.00909	.00855	2.0032	4.2868	.01667	3.8440	.05475
#2	11.293	.18750	4.6136	.01090	.00823	1.9974	4.2743	.01681	3.8595	.05489
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8066**	**-.00318**	F **-.20859**	**.26441**	**.66042**	**.22562**
Stddev	.0056	.00063	.01296	.00039	.00161	.00235
%RSD	.14576	19.904	6.2149	.14911	.24342	1.0417
#1	3.8105	-.00363	-.21776	.26413	.65929	.22396
#2	3.8026	-.00274	-.19943	.26469	.66156	.22728
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7163.2**	**97252.**	**6691.1**
Stddev	5.2	56.	28.3
%RSD	.07290	.05708	.42222
#1	7166.9	97292.	6671.1
#2	7159.6	97213.	6711.0

Sample Name: 280-48953-a-7-c Acquired: 11/15/2013 19:52:50 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**220.65**	**.09264**	**.45682**	**3.2815**	**.00859**	**-.04813**	F **1171.1**	**.01056**	**.05945**
Stddev	.00021	.10	.00011	.00063	.0018	.00000	.00049	3.7	.00010	.00006
%RSD	23.020	.04577	.11976	.13707	.05597	.03890	1.0194	.31638	.99304	.09532
#1	-.00077	220.73	.09272	.45637	3.2828	.00859	-.04779	1173.7	.01063	.05941
#2	-.00107	220.58	.09256	.45726	3.2802	.00860	-.04848	1168.5	.01049	.05949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21024**	**.23084**	**171.16**	**86.724**	**.69212**	**287.61**	**6.4958**	**.00806**	**10.080**	**.16527**
Stddev	.00057	.00100	.21	.090	.00031	1.28	.0043	.00009	.001	.00017
%RSD	.27160	.43448	.12278	.10356	.04506	.44457	.06670	1.1604	.01431	.10466
#1	.21065	.23155	171.01	86.660	.69234	288.52	6.4989	.00813	10.081	.16540
#2	.20984	.23013	171.31	86.787	.69190	286.71	6.4928	.00799	10.079	.16515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.696**	**.21394**	**5.3458**	**.01034**	**.00533**	**1.7371**	**3.7174**	**.01931**	**4.3159**	**.06394**
Stddev	.007	.00051	.0073	.00130	.00267	.0127	.0272	.00054	.0085	.00101
%RSD	.05415	.23895	.13705	12.540	50.067	.73031	.73031	2.7731	.19620	1.5734
#1	12.701	.21430	5.3510	.01125	.00722	1.7281	3.6982	.01893	4.3219	.06323
#2	12.691	.21358	5.3407	.00942	.00345	1.7461	3.7366	.01969	4.3099	.06465
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7149**	**-.00479**	F **-.21772**	**.30437**	**.73277**	**.24133**
Stddev	.0197	.00023	.00687	.00052	.00013	.00116
%RSD	.41723	4.8672	3.1566	.17179	.01757	.48229
#1	4.7288	-.00463	-.21286	.30474	.73268	.24050
#2	4.7010	-.00496	-.22258	.30400	.73286	.24215
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7142.5**	**96935.**	**6732.1**
Stddev	5.4	296.	52.6
%RSD	.07618	.30502	.78184
#1	7146.3	96726.	6694.9
#2	7138.6	97144.	6769.3

Sample Name: 280-48953-a-8-c Acquired: 11/15/2013 19:55:56 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00113**	**227.51**	**.10251**	**.45313**	**3.5636**	**.00933**	W **-.05111**	F **1185.3**	**.01033**	**.06534**
Stddev	.00020	.02	.00255	.00013	.0169	.00007	.00268	.9	.00008	.00010
%RSD	17.978	.00737	2.4873	.02833	.47530	.70211	5.2353	.07449	.72843	.14939
#1	-.00098	227.50	.10070	.45322	3.5756	.00928	-.05300	1184.7	.01039	.06527
#2	-.00127	227.52	.10431	.45304	3.5516	.00937	-.04922	1186.0	.01028	.06541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21052**	**.23695**	**183.27**	**88.963**	**.76673**	**321.09**	**7.2170**	**.00755**	**9.7912**	W **10.120**
Stddev	.00008	.00046	1.22	.274	.00144	1.54	.0349	.00001	.0016	.049
%RSD	.03653	.19234	.66723	.30779	.18839	.48023	.48363	.14862	.01630	.48612
#1	.21047	.23727	184.13	89.157	.76775	320.00	7.2416	.00756	9.7901	10.086
#2	.21058	.23663	182.40	88.769	.76571	322.18	7.1923	.00754	9.7923	10.155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17465**	W **12.900**	**.21222**	**5.1132**	**.00949**	**.00772**	**2.3504**	**5.0298**	**.01854**	**4.5845**
Stddev	.00047	.026	.00071	.0049	.00068	.00296	.0044	.0094	.00030	.1038
%RSD	.27115	.20073	.33596	.09621	7.1528	38.264	.18733	.18733	1.6291	2.2631
#1	.17432	12.882	.21272	5.1097	.00997	.00563	2.3473	5.0232	.01876	4.6579
#2	.17499	12.919	.21171	5.1167	.00901	.00981	2.3535	5.0365	.01833	4.5111
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06709**	**4.1707**	**-.00447**	F **-.27171**	**.30357**	**.75332**	**.26674**
Stddev	.00075	.0008	.00278	.03806	.00163	.00142	.00208
%RSD	1.1178	.01977	62.138	14.007	.53582	.18867	.77864
#1	.06656	4.1701	-.00644	-.29862	.30242	.75231	.26527
#2	.06762	4.1713	-.00251	-.24479	.30472	.75432	.26821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7194.0**	**98140.**	**6782.5**
Stddev	6.5	499.	72.1
%RSD	.08976	.50838	1.0625
#1	7189.5	98492.	6731.5
#2	7198.6	97787.	6833.4

Sample Name: 280-48953-a-9-c Acquired: 11/15/2013 19:59:05 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**188.78**	**.08733**	**.35882**	**2.7290**	**.00770**	**-.04111**	F **1079.7**	**.00812**	**.05409**
Stddev	.00063	.30	.00069	.00254	.0044	.00002	.00209	9.7	.00020	.00025
%RSD	53.045	.15877	.79057	.70881	.16086	.23754	5.0959	.89567	2.4396	.45797
#1	-.00074	188.57	.08684	.36062	2.7259	.00769	-.04259	1086.5	.00826	.05426
#2	-.00163	189.00	.08782	.35703	2.7321	.00771	-.03963	1072.9	.00798	.05391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17782**	**.18960**	**153.39**	**72.523**	**.59187**	**242.81**	**5.3966**	**.01514**	**8.5837**	**.14881**
Stddev	.00226	.00075	.50	.019	.00096	1.93	.0689	.00011	.0398	.00104
%RSD	1.2706	.39401	.32329	.02605	.16188	.79309	1.2764	.70848	.46377	.70057
#1	.17942	.18907	153.04	72.510	.59119	241.45	5.3479	.01521	8.5555	.14955
#2	.17622	.19013	153.74	72.536	.59255	244.18	5.4453	.01506	8.6118	.14808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.047**	**.16388**	**4.1980**	**.00744**	**.00761**	**1.9486**	**4.1699**	**.01691**	**3.7034**	**.05103**
Stddev	.011	.00278	.0228	.00141	.00025	.0257	.0550	.00098	.0078	.00301
%RSD	.10717	1.6993	.54291	18.890	3.2770	1.3181	1.3181	5.8053	.21085	5.8945
#1	10.055	.16585	4.2141	.00844	.00778	1.9304	4.1310	.01761	3.6979	.05315
#2	10.040	.16191	4.1819	.00645	.00743	1.9667	4.2088	.01622	3.7089	.04890
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6039**	**-.00269**	F **-.24777**	**.25961**	**.62326**	**.21839**
Stddev	.0008	.00113	.01768	.00136	.00146	.00264
%RSD	.02320	42.167	7.1338	.52518	.23438	1.2095
#1	3.6045	-.00349	-.26027	.26057	.62223	.21652
#2	3.6033	-.00189	-.23528	.25864	.62430	.22026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7147.9**	**96781.**	**6550.8**
Stddev	31.0	258.	8.8
%RSD	.43321	.26607	.13469
#1	7126.0	96963.	6544.6
#2	7169.8	96599.	6557.0

Sample Name: 280-48953-a-10-c Acquired: 11/15/2013 20:02:07 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**191.39**	**.09068**	**.37864**	**2.7736**	**.00659**	**-.03528**	F **1520.2**	**.01206**	**.04510**
Stddev	.00012	.41	.00052	.00003	.0027	.00002	.00165	16.6	.00023	.00018
%RSD	119.35	.21520	.57854	.00764	.09823	.22784	4.6747	1.0930	1.8920	.39952
#1	.00019	191.10	.09105	.37866	2.7717	.00658	-.03644	1508.4	.01190	.04497
#2	.00002	191.68	.09031	.37862	2.7755	.00660	-.03411	1531.9	.01222	.04522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24879**	**.40951**	**137.00**	**68.121**	**.57169**	**229.20**	**4.8786**	**.05121**	**12.384**	**.18365**
Stddev	.00118	.00210	.25	.198	.00025	3.22	.0330	.00002	.012	.00030
%RSD	.47259	.51370	.18462	.29104	.04359	1.4032	.67622	.03720	.09346	.16375
#1	.24962	.41100	137.18	67.981	.57151	226.93	4.8553	.05123	12.376	.18387
#2	.24796	.40802	136.82	68.261	.57187	231.48	4.9019	.05120	12.392	.18344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.952**	**.20337**	**5.5394**	**.01383**	**.01060**	**1.9476**	**4.1678**	**.01981**	**4.5375**	**.04468**
Stddev	.008	.00046	.0177	.00299	.00294	.0060	.0128	.00024	.0434	.00173
%RSD	.06413	.22836	.31891	21.643	27.736	.30613	.30613	1.2326	.95568	3.8708
#1	11.958	.20369	5.5519	.01594	.01268	1.9434	4.1588	.01964	4.5069	.04590
#2	11.947	.20304	5.5269	.01171	.00852	1.9518	4.1768	.01999	4.5682	.04346
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8721**	**-.00355**	F **-.18839**	**.26014**	**.77669**	**.17845**
Stddev	.0165	.00104	.00394	.00094	.00410	.00019
%RSD	.42719	29.276	2.0934	.35961	.52777	.10523
#1	3.8604	-.00282	-.18561	.25948	.77379	.17831
#2	3.8838	-.00429	-.19118	.26081	.77959	.17858
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7009.7**	**95107.**	**6629.1**
Stddev	7.8	651.	18.8
%RSD	.11146	.68493	.28320
#1	7015.3	95568.	6642.4
#2	7004.2	94647.	6615.8

Sample Name: 280-48953-a-11-c Acquired: 11/15/2013 20:05:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**138.77**	**.10472**	**.22482**	**2.2216**	**.00345**	**-.01075**	F **2252.0**	**.00833**	**.02753**
Stddev	.00002	.32	.00172	.00027	.0041	.00006	.00143	29.4	.00007	.00011
%RSD	3.1111	.22893	1.6429	.11949	.18436	1.8350	13.353	1.3073	.87534	.40985
#1	.00054	139.00	.10350	.22501	2.2245	.00349	-.00973	2272.8	.00828	.02745
#2	.00052	138.55	.10593	.22463	2.2187	.00340	-.01176	2231.1	.00838	.02761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24277**	**.23179**	**82.837**	**35.374**	**.36387**	**142.34**	**2.3082**	**.09034**	**13.267**	**.16395**
Stddev	.00048	.00107	.644	.064	.00125	1.47	.0095	.00014	.156	.00055
%RSD	.19662	.46257	.77783	.18069	.34382	1.0336	.41010	.15266	1.1755	.33258
#1	.24311	.23104	82.381	35.420	.36299	143.38	2.3149	.09043	13.157	.16434
#2	.24243	.23255	83.292	35.329	.36476	141.30	2.3015	.09024	13.378	.16357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.9140**	**.16249**	**7.5019**	**.02480**	**.00846**	**2.6941**	**5.7654**	**.08293**	W **5.4323**	**.02525**
Stddev	.0007	.00004	.0188	.00430	.00409	.0100	.0213	.00048	.0459	.00024
%RSD	.00859	.02211	.25039	17.361	48.304	.36941	.36941	.57432	.84508	.95801
#1	7.9135	.16251	7.5152	.02175	.01135	2.6871	5.7504	.08259	5.3998	.02508
#2	7.9145	.16246	7.4886	.02784	.00557	2.7012	5.7805	.08327	5.4647	.02542
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5033**	**-.00192**	F **-.14232**	**.22603**	**.60104**	**.14575**
Stddev	.0018	.00023	.00057	.00199	.00330	.00157
%RSD	.07110	12.082	.39771	.88159	.54889	1.0774
#1	2.5020	-.00175	-.14192	.22744	.60337	.14464
#2	2.5045	-.00208	-.14272	.22462	.59871	.14686
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6691.8**	**90721.**	**6339.5**
Stddev	14.4	727.	78.8
%RSD	.21494	.80156	1.2437
#1	6681.6	90207.	6283.7
#2	6702.0	91235.	6395.2

Sample Name: 280-48953-a-12-c Acquired: 11/15/2013 20:08:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**193.80**	**.09532**	**.37953**	**2.9142**	**.00668**	**-.03647**	F **1533.9**	**.01309**	**.04553**
Stddev	.00055	.07	.00053	.00060	.0015	.00003	.00224	2.8	.00010	.00017
%RSD	116.18	.03625	.55094	.15923	.05272	.50673	6.1548	.18495	.75563	.37701
#1	.00008	193.85	.09569	.37996	2.9153	.00671	-.03489	1531.9	.01302	.04565
#2	.00086	193.75	.09495	.37910	2.9131	.00666	-.03806	1535.9	.01316	.04541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26675**	**.37990**	**140.13**	**70.380**	**.57656**	**231.71**	**4.9402**	**.08706**	**15.265**	**.19626**
Stddev	.00006	.00294	.89	.181	.00090	3.71	.0027	.00036	.003	.00058
%RSD	.02237	.77441	.63633	.25754	.15525	1.6028	.05391	.41555	.01976	.29595
#1	.26671	.37782	140.76	70.252	.57593	234.34	4.9421	.08732	15.267	.19667
#2	.26679	.38198	139.50	70.508	.57720	229.09	4.9383	.08680	15.263	.19585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.938**	**.18279**	**6.9186**	**.01251**	**.00804**	**2.0769**	**4.4446**	**.02219**	**4.4982**	**.04291**
Stddev	.013	.00005	.0094	.00510	.00101	.0149	.0318	.00059	.0394	.00018
%RSD	.10765	.02492	.13611	40.750	12.543	.71483	.71483	2.6545	.87578	.41388
#1	11.947	.18282	6.9253	.01612	.00875	2.0664	4.4221	.02261	4.5260	.04279
#2	11.929	.18276	6.9119	.00891	.00733	2.0874	4.4671	.02177	4.4703	.04304
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8399**	**-.00393**	F **-.17386**	**.27179**	**.83609**	**.18597**
Stddev	.0042	.00011	.03056	.00057	.00793	.00132
%RSD	.11018	2.8127	17.576	.20807	.94807	.71223
#1	3.8429	-.00401	-.15225	.27139	.84169	.18691
#2	3.8369	-.00385	-.19546	.27219	.83048	.18503
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6978.3**	**94474.**	**6522.2**
Stddev	19.2	650.	56.5
%RSD	.27546	.68818	.86606
#1	6964.7	94014.	6482.3
#2	6991.9	94934.	6562.2

Sample Name: 280-48953-a-13-c Acquired: 11/15/2013 20:11:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**192.70**	**.08466**	**.38976**	**2.9042**	**.00779**	**-.04121**	F **1164.8**	**.00909**	**.05501**
Stddev	.00010	.62	.00016	.00161	.0148	.00005	.00069	7.1	.00010	.00004
%RSD	7.8391	.32100	.19329	.41357	.50954	.66845	1.6772	.61036	1.0515	.07026
#1	-.00120	192.26	.08455	.39090	2.8937	.00782	-.04073	1159.8	.00916	.05504
#2	-.00135	193.13	.08478	.38862	2.9146	.00775	-.04170	1169.9	.00902	.05498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18243**	**.19925**	**154.08**	**76.699**	**.62988**	**259.66**	**5.8894**	**.00656**	**8.5172**	**.15194**
Stddev	.00072	.00027	.37	.304	.00076	.73	.0407	.00017	.0483	.00037
%RSD	.39639	.13320	.24155	.39662	.12039	.28211	.69102	2.5208	.56766	.24633
#1	.18294	.19906	153.82	76.484	.62934	260.18	5.8606	.00644	8.4831	.15221
#2	.18192	.19944	154.34	76.914	.63041	259.14	5.9182	.00667	8.5514	.15168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.979**	**.17447**	**4.4364**	**.00934**	**.00539**	**1.9823**	**4.2421**	**.01645**	**3.9936**	**.05137**
Stddev	.016	.00193	.0089	.00382	.00035	.0059	.0125	.00061	.0183	.00209
%RSD	.14752	1.1088	.20000	40.930	6.5666	.29533	.29533	3.6945	.45840	4.0606
#1	10.990	.17584	4.4427	.00664	.00514	1.9864	4.2510	.01688	3.9806	.04990
#2	10.967	.17310	4.4301	.01204	.00565	1.9782	4.2333	.01602	4.0065	.05285
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5966**	**-.00347**	F **-.20865**	**.26085**	**.64291**	**.21411**
Stddev	.0008	.00036	.01503	.00134	.00247	.00263
%RSD	.02283	10.484	7.2032	.51275	.38458	1.2293
#1	3.5972	-.00373	-.21928	.26180	.64465	.21597
#2	3.5960	-.00321	-.19803	.25991	.64116	.21225
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.6**	**97249.**	**6603.0**
Stddev	10.5	101.	4.0
%RSD	.14699	.10426	.06097
#1	7137.0	97178.	6605.8
#2	7122.2	97321.	6600.1

Sample Name: CCVH-2382126 Acquired: 11/15/2013 20:14:32 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00740**	**50.782**	**.00050**	**.00189**	**.00083**	**-.00002**	**1.0302**	**.12802**	**.00064**	**-.00061**	**.00039**	**.02258**
Stddev	.00050	.332	.00059	.00022	.00034	.00001	.0022	.00906	.00034	.00009	.00010	.00046
%RSD	6.7438	.65374	118.13	11.729	41.369	64.566	.21218	7.0807	52.926	14.350	25.764	2.0351
#1	-.00775	51.017	.00008	.00174	.00059	-.00001	1.0287	.13443	.00088	-.00055	.00046	.02291
#2	-.00705	50.548	.00092	.00205	.00108	-.00003	1.0317	.12161	.00040	-.00068	.00032	.02226
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.325**	**.11588**	**.00149**	**.10482**	**.00174**	**.00029**	**262.70**	**-.00062**	**.00985**	**.00160**	**4.9740**	**-.00342**
Stddev	.158	.02583	.00035	.00003	.00011	.00007	1.50	.00011	.00018	.00143	.0136	.00217
%RSD	.31471	22.289	23.593	.02952	6.2927	23.618	.57175	17.670	1.8639	89.252	.27404	63.662
#1	50.437	.09762	.00174	.10480	.00166	.00034	263.76	-.00054	.00998	.00059	4.9643	-.00188
#2	50.213	.13415	.00124	.10484	.00181	.00024	261.64	-.00070	.00972	.00262	4.9836	-.00495
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00532**	**.00049**	**.00105**	**.00064**	**.00066**	W **4.7449**	**.01679**	**.00165**	F **11.572**	**.00410**	**.00710**	**-.07424**
Stddev	.00087	.00350	.00750	.00017	.00014	.0102	.00048	.00084	.051	.00069	.00058	.00289
%RSD	16.315	710.79	710.79	25.708	21.772	.21455	2.8798	50.766	.44146	16.839	8.1375	3.8917
#1	-.00471	.00297	.00636	.00076	.00076	4.7520	.01645	.00224	11.608	.00458	.00669	-.07220
#2	-.00593	-.00198	-.00425	.00053	.00056	4.7377	.01713	.00106	11.536	.00361	.00751	-.07629
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6792.4**	**94672.**	**5722.3**
Stddev	11.9	291.	35.8
%RSD	.17562	.30752	.62517
#1	6800.8	94466.	5697.0
#2	6784.0	94878.	5747.6

Sample Name: CCV-2372889 Acquired: 11/15/2013 20:16:58 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49198**	**.52621**	**1.0207**	**.51800**	**.49999**	**.49309**	**-.01089**	**5.1467**	**.50332**	**.50888**	**.51239**	**.50003**	**2.5159**
Stddev	.00069	.00565	.0060	.00120	.00356	.00339	.00001	.0354	.00047	.00110	.00026	.00154	.0202
%RSD	.14008	1.0739	.58973	.23157	.71192	.68667	.05703	.68765	.09395	.21597	.05130	.30846	.80412
#1	.49247	.53020	1.0164	.51715	.50251	.49548	-.01089	5.1217	.50298	.50966	.51258	.49894	2.5302
#2	.49149	.52221	1.0249	.51884	.49748	.49069	-.01090	5.1717	.50365	.50810	.51221	.50112	2.5016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.423**	**.98892**	**19.724**	**.50540**	**.51246**	**5.0827**	**.51826**	**1.0166**	**1.0493**	**.00277**	**1.0245**	**1.0354**	**4.9318**
Stddev	.368	.00460	.008	.00103	.00246	.0860	.00039	.0063	.0068	.00073	.0022	.0077	.0271
%RSD	.71485	.46547	.04089	.20348	.47977	1.6916	.07597	.61614	.65116	26.362	.21540	.74110	.54889
#1	51.682	.99218	19.718	.50467	.51419	5.1435	.51798	1.0210	1.0542	.00329	1.0261	1.0408	4.9510
#2	51.163	.98567	19.730	.50613	.51072	5.0219	.51854	1.0122	1.0445	.00225	1.0230	1.0299	4.9127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.554**	**1.0213**	**.49383**	**.00833**	**.48900**	**1.0328**	**-.00769**	**.49128**	**.48253**	**.49265**
Stddev	.058	.0043	.00251	.00070	.00061	.0052	.02798	.00087	.00018	.00265
%RSD	.54889	.41745	.50841	8.3873	.12559	.50576	364.03	.17637	.03769	.53804
#1	10.595	1.0243	.49560	.00784	.48856	1.0365	-.02747	.49067	.48266	.49452
#2	10.513	1.0183	.49205	.00883	.48943	1.0291	.01210	.49190	.48240	.49077
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6884.2**	**97026.**	**5816.7**
Stddev	9.3	308.	72.2
%RSD	.13534	.31759	1.2406
#1	6877.6	97244.	5765.7
#2	6890.8	96808.	5867.8

Sample Name: CCB Acquired: 11/15/2013 20:19:06 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00296**	**.00173**	**.00072**	**.00020**	**.00009**	**-.00075**	**.03352**	**.00013**	**-.00007**	**.00006**	**-.00114**
Stddev	.00002	.00048	.00173	.00009	.00007	.00004	.00040	.00637	.00006	.00001	.00002	.00019
%RSD	5.4691	16.264	99.786	12.032	36.407	47.269	53.913	19.008	47.436	13.176	39.052	17.032
#1	.00035	.00330	.00296	.00078	.00025	.00006	-.00104	.03803	.00009	-.00006	.00004	-.00100
#2	.00037	.00262	.00051	.00066	.00014	.00012	-.00046	.02902	.00018	-.00007	.00007	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00756**	**.06344**	**.00067**	**.00461**	**.00012**	**.00135**	**-.00190**	**.00009**	**.00151**	**.00083**	**.00175**	**.00241**
Stddev	.00016	.00732	.00134	.00024	.00003	.00046	.00913	.00008	.00018	.00010	.00029	.00095
%RSD	2.1245	11.531	199.41	5.2301	21.774	34.229	480.43	95.256	11.962	11.843	16.781	39.489
#1	.00745	.06861	-.00028	.00478	.00013	.00103	.00456	.00003	.00138	.00090	.00155	.00309
#2	.00768	.05827	.00162	.00443	.00010	.00168	-.00836	.00014	.00163	.00076	.00196	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00007**	**.00014**	**.00045**	**.00020**	**.00004**	**.00017**	**.00054**	**.01399**	**-.00043**	**.00231**	W **.00369**
Stddev	.00110	.00372	.00797	.00104	.00015	.00110	.00016	.00011	.00680	.00041	.00010	.00122
%RSD	66.843	5507.6	5507.6	230.70	78.358	2837.9	96.876	19.754	48.623	96.486	4.2703	32.928
#1	.00086	-.00256	-.00549	.00119	.00031	-.00074	.00029	.00047	.01880	-.00014	.00238	.00283
#2	.00241	.00270	.00578	-.00029	.00009	.00082	.00005	.00062	.00918	-.00072	.00224	.00455
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6987.0**	**100910.**	**5833.5**
Stddev	1.2	115.	23.4
%RSD	.01711	.11353	.40058
#1	6986.1	100830.	5850.0
#2	6987.8	100990.	5817.0

Sample Name: CCVL2383195 Acquired: 11/15/2013 20:21:27 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.11142**	**.01602**	**.10658**	**.01040**	**.00095**	**.12301**	**.21993**	**.00547**	**.01060**	**.01072**	**.01460**	**.10263**
Stddev	.00035	.00101	.00069	.00001	.00032	.00009	.00240	.00222	.00004	.00004	.00010	.00009	.00227
%RSD	3.4876	.90513	4.3286	.00897	3.0811	9.6091	1.9531	1.0096	.79690	.36558	.90956	.60823	2.2123
#1	.00987	.11213	.01651	.10659	.01063	.00101	.12132	.21836	.00550	.01062	.01065	.01466	.10102
#2	.01037	.11071	.01553	.10657	.01017	.00088	.12471	.22150	.00543	.01057	.01079	.01454	.10423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1483**	**.00949**	**.20805**	**.01040**	**.02077**	**1.0318**	**.04383**	**3.0680**	**.01063**	**.00268**	**.01073**	**.01772**	**.49071**
Stddev	.0498	.00043	.00263	.00003	.00032	.0003	.00009	.0038	.00060	.00162	.00147	.00290	.00118
%RSD	1.5805	4.4859	1.2657	.32752	1.5213	.03107	.19521	.12371	5.6512	60.634	13.742	16.355	.23947
#1	3.1131	.00979	.20991	.01037	.02055	1.0315	.04389	3.0706	.01021	.00153	.01177	.01977	.48988
#2	3.1835	.00919	.20619	.01042	.02100	1.0320	.04377	3.0653	.01106	.00382	.00969	.01567	.49154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0501**	**.10916**	**.01004**	**.01396**	**.01015**	**.01601**	F **.08875**	**.00933**	**.02224**	**.01946**
Stddev	.0025	.00032	.00017	.00180	.00019	.00029	.01830	.00049	.00076	.00095
%RSD	.23947	.29034	1.6648	12.924	1.8256	1.7862	20.622	5.2124	3.4396	4.9080
#1	1.0483	.10894	.00993	.01523	.01002	.01621	.07581	.00968	.02278	.02013
#2	1.0519	.10939	.01016	.01268	.01028	.01580	.10169	.00899	.02170	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7036.6**	**101140.**	**5925.5**
Stddev	7.9	292.	60.0
%RSD	.11294	.28851	1.0132
#1	7031.0	100940.	5968.0
#2	7042.3	101350.	5883.1

Sample Name: 280-48901-e-9-a Acquired: 11/15/2013 20:23:49 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01436**	**.00134**	**.32883**	**.03065**	**.00003**	**.00010**	**77.410**	**.00081**	**.00137**
Stddev	.00011	.00007	.00047	.00027	.00062	.00006	.00009	.150	.00005	.00007
%RSD	57.083	.50273	35.299	.08359	2.0391	165.45	87.318	.19320	6.4877	5.2479
#1	-.00027	.01441	.00101	.32864	.03021	.00008	.00004	77.305	.00085	.00142
#2	-.00012	.01431	.00168	.32903	.03109	-.00001	.00017	77.516	.00077	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00318**	**.14746**	**69.905**	**.28734**	**37.475**	**.06867**	**.00775**	**163.86**	**.00187**
Stddev	.00009	.00044	.00082	.253	.00719	.051	.00038	.00022	.83	.00026
%RSD	12.384	13.819	.55845	.36145	2.5033	.13576	.55737	2.8184	.50780	13.686
#1	.00069	.00349	.14804	69.726	.28225	37.439	.06840	.00759	163.27	.00169
#2	.00082	.00287	.14687	70.084	.29243	37.511	.06894	.00790	164.45	.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03764**	**-.00014**	**106.93**	**-.00010**	**.00019**	**6.1164**	**13.089**	**.00043**	**2.9064**	**-.00163**
Stddev	.00097	.00043	.22	.00267	.00478	.0645	.138	.00079	.0120	.00084
%RSD	2.5860	305.51	.20575	2611.8	2508.4	1.0549	1.0549	185.26	.41402	51.809
#1	.03696	.00016	107.09	-.00199	-.00319	6.0708	12.992	.00098	2.8979	-.00222
#2	.03833	-.00045	106.78	.00178	.00357	6.1621	13.187	-.00013	2.9149	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**-.00024**	**.00339**	**-.00006**	**.00522**	**.00385**
Stddev	.00056	.00031	.00286	.00016	.00002	.00163
%RSD	129.24	130.70	84.299	258.96	.36277	42.466
#1	-.00004	-.00046	.00541	.00005	.00524	.00500
#2	-.00083	-.00002	.00137	-.00018	.00521	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6633.8**	**93581.**	**5785.6**
Stddev	5.8	3.	7.8
%RSD	.08786	.00354	.13531
#1	6629.7	93583.	5780.0
#2	6637.9	93578.	5791.1

Sample Name: 280-48953-a-1-c@5 Acquired: 11/15/2013 20:26:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00030**	k **50.864**	k **.02205**	**.09787**	k **.74012**	k **.00228**	k **-.01172**	**376.36**	k **.00257**	k **.01776**
Stddev	.00022	.996	.00172	.00013	.00905	.00016	.00347	7.28	.00003	.00122
%RSD	74.007	1.9583	7.7796	.13029	1.2226	6.8589	29.617	1.9332	1.2866	6.8745
#1	k -.00014	k 50.160	k .02084	.09778	k .73372	k .00217	k -.00926	371.22	k .00255	k .01862
#2	-.00045	51.568	.02327	.09796	.74652	.00239	-.01417	381.51	.00260	.01689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04897**	k **.04236**	k **44.631**	**17.920**	k **.16290**	k **57.739**	k **1.3503**	k **.00588**	**3.5291**	k **.04890**
Stddev	.00013	.00018	.739	.234	.00052	.067	.0014	.00029	.0177	.00119
%RSD	.25826	.41486	1.6552	1.3081	.32186	.11610	.10625	4.9215	.50184	2.4258
#1	k .04888	k .04248	k 44.109	17.754	k .16253	k 57.787	k 1.3513	k .00608	3.5417	k .04974
#2	.04906	.04223	45.154	18.086	.16327	57.692	1.3493	.00567	3.5166	.04806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3243**	k **.03589**	k **.99905**	k **.00300**	k **.00127**	k **.47199**	k **1.0101**	k **.00511**	**1.0165**	k **.03187**
Stddev	.0008	.00147	.00046	.00054	.00148	.01077	.0230	.00216	.0122	.02520
%RSD	.03482	4.0925	.04649	17.899	116.85	2.2813	2.2813	42.329	1.2007	79.060
#1	2.3249	k .03485	k .99937	k .00338	k .00022	k .46438	k .99377	k .00358	1.0079	k .04969
#2	2.3238	.03693	.99872	.00262	.00232	.47961	1.0264	.00663	1.0252	.01405
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.79704**	k **-.00083**	kW **-.06829**	k **.06538**	k **.17114**	k **.07330**
Stddev	.00116	.00089	.00744	.00158	.00106	.00227
%RSD	.14604	106.47	10.900	2.4103	.61752	3.1024
#1	k .79621	k -.00021	k -.07355	k .06426	k .17189	k .07169
#2	.79786	-.00146	-.06303	.06649	.17039	.07491
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.9**	**96461.**	**6093.9**
Stddev	22.2	7.	127.5
%RSD	.31986	.00690	2.0920
#1	6919.2	96456.	6184.0
#2	6950.6	96466.	6003.7

Sample Name: 280-48953-a-2-c@5 Acquired: 11/15/2013 20:28:32 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**25.144**	**.02271**	**.04122**	**.42202**	**.00104**	**-.00527**	W **528.22**	**.00166**	**.00862**
Stddev	.00004	.058	.00211	.00024	.00108	.00011	.00188	10.35	.00017	.00003
%RSD	6.5334	.22987	9.3097	.58720	.25500	10.958	35.702	1.9592	10.299	.29922
#1	-.00068	25.103	.02122	.04105	.42126	.00112	-.00661	520.90	.00154	.00860
#2	-.00062	25.185	.02421	.04139	.42279	.00096	-.00394	535.54	.00179	.00863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03893**	**.02377**	**23.923**	**7.6659**	**.08423**	**27.713**	**.52398**	**.02514**	**1.4511**	**.04378**
Stddev	.00005	.00027	.120	.0094	.00019	.038	.00014	.00018	.0244	.00038
%RSD	.11616	1.1332	.50301	.12203	.22399	.13628	.02758	.73363	1.6829	.87223
#1	.03896	.02358	23.838	7.6593	.08410	27.686	.52388	.02527	1.4339	.04351
#2	.03889	.02396	24.008	7.6725	.08436	27.739	.52408	.02501	1.4684	.04405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2070**	**.01221**	**.77207**	**.00267**	**.00171**	**.29473**	**.63072**	**.00427**	**1.2448**	**.00443**
Stddev	.0017	.00139	.00349	.00127	.00108	.00879	.01881	.00017	.0034	.00043
%RSD	.14195	11.396	.45221	47.430	63.176	2.9830	2.9830	3.9503	.26989	9.6268
#1	1.2082	.01319	.76961	.00177	.00247	.28851	.61742	.00439	1.2424	.00413
#2	1.2058	.01122	.77454	.00357	.00094	.30095	.64402	.00415	1.2471	.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39549**	**.00042**	**-.03583**	**.04447**	**.09905**	**.03652**
Stddev	.00006	.00003	.00146	.00020	.00128	.00017
%RSD	.01470	6.4642	4.0858	.43890	1.2901	.45826
#1	.39553	.00043	-.03479	.04461	.09995	.03640
#2	.39545	.00040	-.03687	.04433	.09814	.03664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6788.3**	**93861.**	**5892.9**
Stddev	13.1	45.	64.3
%RSD	.19348	.04824	1.0911
#1	6797.6	93829.	5938.4
#2	6779.0	93893.	5847.5

Sample Name: 280-48953-a-2-cSD@25 Acquired: 11/15/2013 20:30:56 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**5.1464**	**.00463**	**.00856**	**.08598**	**.00020**	**-.00276**	**107.99**	**.00030**	**.00192**
Stddev	.00049	.0469	.00142	.00007	.00037	.00002	.00169	.33	.00018	.00027
%RSD	76.939	.91076	30.674	.77232	.43530	12.563	61.368	.30295	60.135	13.911
#1	-.00029	5.1795	.00363	.00851	.08625	.00021	-.00156	108.22	.00018	.00210
#2	-.00099	5.1132	.00564	.00860	.08572	.00018	-.00395	107.75	.00043	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00827**	**.00440**	**5.0585**	**1.5265**	**.01627**	**5.8946**	**.10951**	**.00505**	**.31983**	**.00925**
Stddev	.00005	.00017	.0143	.0285	.00034	.0166	.00037	.00006	.00373	.00018
%RSD	.60830	3.7774	.28286	1.8644	2.0984	.28149	.33490	1.1073	1.1656	1.9045
#1	.00831	.00429	5.0686	1.5064	.01603	5.9064	.10976	.00509	.32247	.00913
#2	.00823	.00452	5.0484	1.5466	.01651	5.8829	.10925	.00501	.31720	.00938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24319**	**.00348**	**.15537**	**.00024**	**-.00211**	**.05780**	**.12370**	**.00235**	**.25335**	**.00213**
Stddev	.00051	.00022	.00022	.00083	.00397	.01582	.03386	.00045	.00071	.00006
%RSD	.21136	6.3614	.14022	349.14	188.19	27.374	27.374	19.001	.28133	3.0512
#1	.24356	.00364	.15521	.00082	-.00491	.04661	.09975	.00203	.25385	.00208
#2	.24283	.00332	.15552	-.00035	.00070	.06899	.14764	.00266	.25284	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08090**	**.00020**	**.00279**	**.00889**	**.02431**	**.01004**
Stddev	.00110	.00031	.00984	.00027	.00028	.00042
%RSD	1.3644	150.64	353.41	3.0218	1.1531	4.1376
#1	.08168	.00042	.00975	.00870	.02451	.01033
#2	.08012	-.00001	-.00418	.00908	.02411	.00974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6901.9**	**98438.**	**5916.2**
Stddev	11.5	838.	7.0
%RSD	.16619	.85140	.11756
#1	6893.8	97845.	5911.3
#2	6910.0	99030.	5921.1

Sample Name: 280-48953-b-2-e ms@5 Acquired: 11/15/2013 20:33:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00558**	**33.521**	**.15829**	**.18696**	**.71497**	**.00777**	F **.27256**	W **517.83**	**.01492**	**.07364**
Stddev	.00051	.206	.00156	.00052	.00191	.00004	.00084	5.59	.00019	.00028
%RSD	9.0590	.61337	.98606	.27710	.26708	.52165	.30811	1.0795	1.2579	.37973
#1	.00522	33.376	.15939	.18660	.71362	.00774	.27196	513.88	.01478	.07344
#2	.00593	33.667	.15719	.18733	.71632	.00780	.27315	521.78	.01505	.07384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08319**	**.06130**	**27.005**	**16.834**	**.23288**	**34.867**	**.60873**	**.17482**	**8.7406**	**.11464**
Stddev	.00000	.00013	.116	.035	.00016	.092	.00075	.00021	.0260	.00056
%RSD	.00106	.20611	.42911	.20687	.06696	.26527	.12268	.12234	.29712	.48968
#1	.08319	.06121	26.923	16.810	.23277	34.801	.60821	.17497	8.7223	.11504
#2	.08319	.06139	27.087	16.859	.23299	34.932	.60926	.17467	8.7590	.11425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6342**	**.07882**	**.76470**	**.02253**	**.27766**	**.63177**	**1.3520**	**.25415**	**1.3899**	**.13422**
Stddev	.0114	.00061	.00117	.00378	.00212	.00409	.0088	.00129	.0034	.00088
%RSD	.43305	.77146	.15291	16.783	.76371	.64813	.64813	.50807	.24539	.65721
#1	2.6261	.07925	.76552	.02520	.27916	.62887	1.3458	.25323	1.3875	.13484
#2	2.6423	.07839	.76387	.01986	.27616	.63466	1.3582	.25506	1.3923	.13359
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71448**	**.24630**	**.28154**	**.12590**	**.16944**	**.10459**
Stddev	.00025	.00173	.03113	.00044	.00042	.00067
%RSD	.03485	.70073	11.056	.34842	.24732	.63840
#1	.71466	.24752	.30355	.12621	.16914	.10412
#2	.71431	.24508	.25953	.12559	.16974	.10506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6772.9**	**94315.**	**5914.6**
Stddev	15.8	301.	14.7
%RSD	.23288	.31915	.24903
#1	6784.1	94528.	5925.0
#2	6761.8	94102.	5904.1

Sample Name: 48953-b-2-f msd@5 Acquired: 11/15/2013 20:35:36 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00659**	**38.699**	**.18612**	**.21041**	**.84743**	**.00903**	F **.31250**	W **617.85**	**.01737**	**.08343**
Stddev	.00059	.276	.00194	.00042	.00255	.00016	.00043	22.10	.00026	.00010
%RSD	8.9215	.71411	1.0405	.19844	.30041	1.7215	.13894	3.5771	1.4775	.12334
#1	.00618	38.894	.18475	.21012	.84923	.00914	.31281	633.48	.01756	.08351
#2	.00701	38.503	.18749	.21071	.84563	.00892	.31220	602.23	.01719	.08336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09890**	**.06913**	**31.351**	**19.920**	**.27226**	**40.810**	**.70453**	**.19108**	**10.196**	W **10.553**
Stddev	.00025	.00050	.076	.104	.00036	.002	.00039	.00002	.061	.157
%RSD	.24862	.72827	.24376	.52273	.13325	.00385	.05578	.01003	.59902	1.4924
#1	.09908	.06949	31.405	19.994	.27201	40.809	.70481	.19109	10.239	10.664
#2	.09873	.06878	31.297	19.847	.27252	40.811	.70426	.19106	10.152	10.442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13015**	W **3.0342**	**.09015**	**.91474**	**.03023**	**.31729**	**.75356**	**1.6126**	**.27660**	**1.6718**
Stddev	.00003	.0025	.00015	.00153	.00191	.00138	.00038	.0008	.00002	.0029
%RSD	.01964	.08197	.17161	.16689	6.3152	.43633	.05058	.05058	.00808	.17598
#1	.13013	3.0360	.09004	.91582	.02888	.31827	.75329	1.6120	.27661	1.6738
#2	.13017	3.0325	.09026	.91366	.03158	.31632	.75382	1.6132	.27658	1.6697
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15445**	**.84301**	**.27902**	**.33995**	**.14408**	**.19496**	**.12208**
Stddev	.00147	.00018	.00038	.00258	.00059	.00025	.00004
%RSD	.95284	.02189	.13484	.75873	.40793	.12965	.03081
#1	.15549	.84314	.27928	.33813	.14449	.19478	.12205
#2	.15341	.84287	.27875	.34177	.14366	.19514	.12210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6743.8**	**93671.**	**5868.5**
Stddev	14.8	206.	49.5
%RSD	.21983	.21986	.84272
#1	6733.4	93525.	5833.6
#2	6754.3	93817.	5903.5

Sample Name: 280-48953-a-2-cPDS@5 Acquired: 11/15/2013 20:37:55 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04155**	**25.641**	**.23585**	**.13593**	**.51896**	**.05147**	**-.00772**	W **529.69**	**.05309**	**.05693**
Stddev	.00003	.004	.00002	.00054	.00081	.00010	.00087	10.85	.00010	.00008
%RSD	.06613	.01561	.00855	.40075	.15520	.20388	11.227	2.0481	.18384	.13378
#1	.04153	25.638	.23583	.13554	.51839	.05154	-.00711	537.36	.05316	.05698
#2	.04157	25.644	.23586	.13631	.51953	.05140	-.00834	522.02	.05302	.05687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08889**	**.07626**	**24.520**	**29.867**	**.18964**	**46.250**	**.56351**	**.07392**	**23.518**	**.09178**
Stddev	.00046	.00030	.057	.107	.00245	.087	.00078	.00012	.096	.00020
%RSD	.51620	.39244	.23320	.35830	1.2911	.18898	.13867	.16610	.40997	.21671
#1	.08856	.07647	24.561	29.791	.18791	46.312	.56406	.07384	23.449	.09164
#2	.08921	.07605	24.480	29.943	.19137	46.188	.56296	.07401	23.586	.09192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3596**	**.11048**	**.76143**	**.09772**	**.21137**	**5.1301**	**10.979**	**.09731**	**1.2778**	**.20424**
Stddev	.0058	.00070	.00298	.00019	.00543	.0233	.050	.00057	.0031	.00278
%RSD	.17354	.63492	.39146	.19054	2.5711	.45505	.45505	.58841	.24607	1.3607
#1	3.3555	.11098	.75932	.09785	.20753	5.1136	10.943	.09690	1.2756	.20620
#2	3.3637	.10998	.76353	.09759	.21521	5.1467	11.014	.09771	1.2800	.20227
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43683**	**.18519**	**.57323**	**.09508**	**.28663**	**.07835**
Stddev	.00025	.00058	.01889	.00013	.00172	.00122
%RSD	.05642	.31358	3.2951	.14096	.60149	1.5510
#1	.43666	.18560	.55987	.09517	.28785	.07921
#2	.43701	.18478	.58658	.09498	.28541	.07749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6749.7**	**93945.**	**5804.9**
Stddev	17.3	21.	34.4
%RSD	.25663	.02183	.59278
#1	6762.0	93959.	5780.6
#2	6737.5	93930.	5829.3

Sample Name: 280-48953-a-3-c@5 Acquired: 11/15/2013 20:40:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**43.690**	**.01782**	**.09614**	**.70473**	**.00183**	**-.01428**	**270.66**	**.00279**	**.01332**
Stddev	.00020	.352	.00007	.00021	.00470	.00005	.00067	.34	.00014	.00014
%RSD	23.183	.80599	.40056	.21982	.66717	2.5713	4.6633	.12426	5.0220	1.0667
#1	-.00073	43.939	.01787	.09599	.70806	.00186	-.01381	270.42	.00269	.01322
#2	-.00102	43.441	.01777	.09629	.70141	.00180	-.01475	270.90	.00289	.01342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04408**	**.04664**	**36.982**	**16.804**	**.14082**	**61.596**	**1.4115**	**.00304**	**1.8289**	**.03705**
Stddev	.00007	.00006	.329	.129	.00140	.332	.0088	.00005	.0132	.00012
%RSD	.16227	.12613	.88956	.76602	.99308	.53901	.62435	1.5107	.72237	.31051
#1	.04403	.04660	37.215	16.895	.13983	61.362	1.4053	.00301	1.8383	.03714
#2	.04413	.04668	36.749	16.713	.14180	61.831	1.4177	.00308	1.8196	.03697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6862**	**.05014**	**1.0898**	**.00041**	**.00321**	**.42324**	**.90574**	**.00649**	**.91701**	**.01348**
Stddev	.0006	.00011	.0065	.00075	.00325	.02562	.05483	.00021	.00614	.00092
%RSD	.02066	.22891	.59542	181.84	101.29	6.0534	6.0534	3.2330	.66963	6.8108
#1	2.6858	.05006	1.0944	.00095	.00091	.44136	.94451	.00664	.92135	.01283
#2	2.6866	.05022	1.0852	-.00012	.00550	.40513	.86697	.00634	.91267	.01413
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92175**	**.00023**	W **-.08581**	**.06171**	**.16816**	**.05660**
Stddev	.00714	.00111	.03513	.00024	.00222	.00008
%RSD	.77453	482.23	40.933	.39257	1.3200	.13970
#1	.91670	-.00056	-.11065	.06153	.16659	.05665
#2	.92680	.00102	-.06098	.06188	.16973	.05654
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6947.2**	**95689.**	**6062.2**
Stddev	5.3	608.	74.9
%RSD	.07677	.63532	1.2352
#1	6943.5	96119.	6009.3
#2	6951.0	95260.	6115.2

Sample Name: CCVH-2382126 Acquired: 11/15/2013 20:42:36 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00795**	**50.074**	**-.00190**	**.00068**	**.00057**	**-.00006**	**1.0239**	**.15368**	**.00085**	**-.00059**	**.00040**	**.02231**
Stddev	.00001	.271	.00274	.00054	.00005	.00005	.0061	.04834	.00010	.00016	.00008	.00011
%RSD	.13098	.54151	144.70	80.451	8.1972	88.405	.59754	31.457	12.067	27.741	19.944	.49935
#1	-.00795	50.266	-.00384	.00029	.00054	-.00010	1.0282	.18786	.00092	-.00048	.00034	.02239
#2	-.00796	49.882	.00004	.00106	.00060	-.00002	1.0195	.11949	.00078	-.00071	.00045	.02223
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.169**	**.03748**	**.00025**	**.10808**	**.00166**	**.00071**	**259.87**	**-.00057**	**.00697**	**.00223**	**4.9382**	**-.00199**
Stddev	.088	.02480	.00080	.00439	.00001	.00025	1.59	.00024	.00133	.00039	.0216	.00027
%RSD	.17841	66.169	317.74	4.0661	.64992	35.929	.61021	42.580	19.103	17.299	.43654	13.717
#1	49.107	.05502	-.00032	.10497	.00167	.00053	260.99	-.00040	.00603	.00196	4.9535	-.00219
#2	49.231	.01995	.00082	.11119	.00166	.00089	258.75	-.00074	.00791	.00251	4.9230	-.00180
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00495**	**.00835**	**.01786**	**.00032**	**.00072**	W **4.6800**	**.01671**	**.00218**	F **11.483**	**.00420**	**.00128**	**-.07342**
Stddev	.00407	.00657	.01406	.00049	.00007	.0026	.00014	.00077	.078	.00026	.00039	.00033
%RSD	82.191	78.703	78.703	151.80	10.228	.05638	.82241	35.251	.67647	6.0890	30.323	.44409
#1	-.00208	.01299	.02781	.00067	.00078	4.6781	.01661	.00273	11.538	.00402	.00101	-.07365
#2	-.00783	.00370	.00792	-.00002	.00067	4.6819	.01681	.00164	11.428	.00438	.00156	-.07319
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6784.1**	**96650.**	**5837.6**
Stddev	38.7	112.	36.1
%RSD	.57112	.11556	.61788
#1	6756.7	96729.	5812.1
#2	6811.5	96571.	5863.1

Sample Name: CCV-2372889 Acquired: 11/15/2013 20:45:02 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49417**	**.52649**	**1.0232**	**.51473**	**.50420**	**.49763**	**-.00935**	**5.1349**	**.50372**	**.50925**	**.51350**	**.50131**	**2.5157**
Stddev	.00286	.00265	.0024	.00215	.00283	.00235	.00030	.0467	.00176	.00158	.00127	.00178	.0175
%RSD	.57974	.50284	.23489	.41690	.56203	.47276	3.2240	.90933	.34864	.31048	.24658	.35519	.69614
#1	.49620	.52462	1.0249	.51322	.50220	.49596	-.00957	5.1019	.50247	.50813	.51260	.50257	2.5033
#2	.49215	.52836	1.0215	.51625	.50621	.49929	-.00914	5.1680	.50496	.51037	.51439	.50006	2.5281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.052**	**.99873**	**19.297**	**.49721**	**.51233**	**5.1299**	**.52193**	**1.0165**	**1.0540**	**.00662**	**1.0210**	**1.0378**	**4.9201**
Stddev	.242	.01001	.120	.00248	.00177	.0171	.00111	.0020	.0026	.00200	.0009	.0038	.0614
%RSD	.46461	1.0027	.62381	.49879	.34630	.33360	.21254	.19509	.24895	30.167	.08688	.36706	1.2474
#1	51.881	.99165	19.382	.49897	.51358	5.1178	.52271	1.0179	1.0558	.00521	1.0216	1.0405	4.8767
#2	52.223	1.0058	19.212	.49546	.51108	5.1420	.52115	1.0151	1.0521	.00803	1.0204	1.0351	4.9635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.529**	**1.0254**	**.49645**	**.00722**	**.48107**	**1.0344**	**.00732**	**.49230**	**.48190**	**.49263**
Stddev	.131	.0022	.00425	.00010	.00292	.0036	.00896	.00217	.00378	.00823
%RSD	1.2474	.21842	.85611	1.4018	.60604	.34960	122.40	.44124	.78408	1.6712
#1	10.436	1.0270	.49345	.00729	.48313	1.0370	.01366	.49383	.48457	.48681
#2	10.622	1.0238	.49946	.00715	.47900	1.0319	.00098	.49076	.47923	.49845
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6861.9**	**97507.**	**5795.0**
Stddev	2.8	665.	37.1
%RSD	.04114	.68177	.64105
#1	6863.9	97037.	5821.3
#2	6859.9	97977.	5768.7

Sample Name: CCB Acquired: 11/15/2013 20:47:10 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00586**	**-.00124**	**-.00007**	**.00023**	**.00018**	**-.00063**	W **.05466**	**-.00001**	**.00001**	**.00010**	**-.00098**
Stddev	.00049	.00004	.00176	.00055	.00028	.00007	.00115	.00515	.00001	.00009	.00019	.00021
%RSD	214.34	.69824	142.38	750.27	122.21	38.091	182.06	9.4259	126.08	781.73	201.55	21.371
#1	-.00012	.00583	.00001	.00032	.00003	.00023	.00018	.05830	.00000	-.00005	.00023	-.00113
#2	.00058	.00589	-.00248	-.00047	.00043	.00013	-.00144	.05102	-.00002	.00008	-.00004	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.03450				
Low Limit								-.03450				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00721**	**.03807**	**.00146**	**.00889**	**.00024**	**.00141**	**.01239**	**.00016**	**.00035**	**.00093**	**.00208**	**-.00034**
Stddev	.00124	.00598	.00059	.00078	.00005	.00037	.01905	.00015	.00028	.00066	.00063	.00015
%RSD	17.166	15.721	40.075	8.7673	22.671	26.064	153.80	96.132	81.861	71.201	30.429	45.382
#1	.00809	.03384	.00105	.00944	.00020	.00115	.02585	.00005	.00015	.00046	.00163	-.00045
#2	.00634	.04230	.00188	.00834	.00027	.00167	-.00108	.00027	.00055	.00140	.00253	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00379**	**-.00811**	**.00066**	**.00023**	**.00014**	**.00004**	**.00044**	**-.00102**	**.00006**	**.00209**	W **.00470**
Stddev	.00319	.00209	.00447	.00013	.00002	.00006	.00002	.00046	.00440	.00043	.00014	.00209
%RSD	1241.4	55.145	55.145	19.595	6.9788	40.768	50.690	105.03	431.76	715.81	6.6178	44.390
#1	-.00200	-.00527	-.01128	.00075	.00025	.00018	.00006	.00077	.00209	.00036	.00199	.00323
#2	.00251	-.00231	-.00495	.00057	.00022	.00010	.00003	.00011	-.00413	-.00024	.00219	.00618
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7030.8**	**101170.**	**5790.0**
Stddev	9.5	1623.	9.5
%RSD	.13521	1.6042	.16407
#1	7037.6	102320.	5783.3
#2	7024.1	100020.	5796.7

Sample Name: CCVL2383195 Acquired: 11/15/2013 20:49:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01005**	**.11135**	**.01651**	**.10591**	**.01023**	**.00091**	**.12382**	**.25297**	**.00541**	**.01064**	**.01061**	**.01491**	**.10735**
Stddev	.00023	.00113	.00093	.00104	.00002	.00003	.00082	.00091	.00019	.00018	.00005	.00004	.00329
%RSD	2.2675	1.0155	5.6498	.98142	.19866	2.9588	.66410	.35969	3.4224	1.6528	.50822	.27946	3.0650
#1	.00989	.11215	.01585	.10517	.01025	.00089	.12324	.25233	.00554	.01077	.01065	.01493	.10503
#2	.01021	.11055	.01717	.10664	.01022	.00092	.12441	.25362	.00528	.01052	.01057	.01488	.10968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2197**	**.00942**	**.21007**	**.01040**	**.02082**	**1.0458**	**.04344**	**3.0661**	**.01054**	**.00359**	**.00967**	**.01772**	**.50343**
Stddev	.0344	.00321	.00028	.00016	.00007	.0194	.00011	.0114	.00001	.00363	.00146	.00258	.00550
%RSD	1.0691	34.070	.13372	1.5439	.31268	1.8516	.25643	.37214	.05557	101.24	15.056	14.528	1.0927
#1	3.2440	.00715	.20987	.01051	.02078	1.0321	.04336	3.0580	.01055	.00616	.00864	.01590	.50732
#2	3.1953	.01169	.21027	.01028	.02087	1.0595	.04352	3.0742	.01054	.00102	.01070	.01954	.49954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0773**	**.10830**	**.01025**	**.01326**	**.00993**	**.01682**	F **.07827**	**.00964**	**.02172**	**.01847**
Stddev	.0118	.00035	.00003	.00072	.00003	.00091	.00767	.00014	.00039	.00105
%RSD	1.0927	.32677	.27946	5.4127	.25768	5.4144	9.8047	1.4297	1.7908	5.6714
#1	1.0857	.10855	.01023	.01377	.00994	.01618	.07284	.00954	.02199	.01921
#2	1.0690	.10805	.01027	.01275	.00991	.01746	.08369	.00974	.02144	.01773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7054.5**	**102210.**	**5848.3**
Stddev	1.8	850.	10.6
%RSD	.02574	.83173	.18053
#1	7053.2	101610.	5855.8
#2	7055.8	102810.	5840.8

Sample Name: 280-48953-a-4-c@5 Acquired: 11/15/2013 20:51:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**51.311**	**.02598**	**.11178**	**.70814**	**.00190**	**-.01076**	**412.13**	**.00181**	**.01178**
Stddev	.00009	.342	.00067	.00080	.00562	.00006	.00126	1.07	.00007	.00021
%RSD	8.7014	.66690	2.5767	.71675	.79383	3.1777	11.687	.25852	4.1372	1.8059
#1	-.00094	51.069	.02645	.11122	.70417	.00185	-.00987	411.37	.00176	.01193
#2	-.00106	51.553	.02550	.11235	.71212	.00194	-.01165	412.88	.00186	.01163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04398**	**.03885**	**34.931**	**12.903**	**.15726**	**37.599**	**.73554**	**.00412**	**18.497**	**.03889**
Stddev	.00002	.00016	.277	.172	.00074	.058	.00089	.00013	.188	.00018
%RSD	.05676	.41668	.79240	1.3297	.47066	.15406	.12167	3.2230	1.0171	.46365
#1	.04396	.03896	34.735	12.782	.15673	37.558	.73491	.00403	18.363	.03877
#2	.04399	.03873	35.127	13.025	.15778	37.640	.73617	.00422	18.630	.03902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4939**	**.03219**	**7.2837**	**.00167**	**.00127**	**.46136**	**.98732**	**.00688**	**1.2508**	**.01262**
Stddev	.0035	.00114	.0219	.00161	.00058	.02498	.05346	.00016	.0090	.00096
%RSD	.23586	3.5428	.30088	96.756	46.027	5.4142	5.4142	2.3176	.72128	7.5887
#1	1.4914	.03138	7.2682	.00281	.00086	.44370	.94952	.00677	1.2444	.01195
#2	1.4964	.03299	7.2992	.00053	.00168	.47903	1.0251	.00700	1.2572	.01330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92818**	**-.00021**	**-.02911**	**.07700**	**.15665**	**.07057**
Stddev	.00020	.00081	.01577	.00045	.00111	.00067
%RSD	.02206	380.95	54.183	.58877	.70895	.94970
#1	.92833	-.00078	-.01796	.07668	.15743	.07105
#2	.92804	.00036	-.04026	.07732	.15586	.07010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6864.8**	**95670.**	**5982.9**
Stddev	.3	301.	7.2
%RSD	.00481	.31514	.11961
#1	6864.6	95884.	5977.9
#2	6865.1	95457.	5988.0

Sample Name: 280-48953-a-5-c@5 Acquired: 11/15/2013 20:54:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**44.150**	**.01783**	**.09177**	**.68599**	**.00181**	**-.01189**	**284.48**	**.00277**	**.01397**
Stddev	.00016	.067	.00043	.00023	.00588	.00001	.00289	.15	.00026	.00001
%RSD	19.419	.15133	2.4207	.24531	.85749	.71101	24.329	.05160	9.3791	.06494
#1	-.00070	44.197	.01814	.09193	.69015	.00182	-.01394	284.38	.00258	.01397
#2	-.00093	44.103	.01753	.09161	.68183	.00180	-.00985	284.59	.00295	.01396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04361**	**.04986**	**37.815**	**17.201**	**.13875**	**61.350**	**1.4262**	**.00174**	**1.6963**	**.03851**
Stddev	.00004	.00002	.328	.153	.00090	.073	.0032	.00004	.0222	.00003
%RSD	.10309	.04281	.86766	.88992	.64963	.11904	.22812	2.1779	1.3094	.08187
#1	.04364	.04984	38.047	17.309	.13811	61.401	1.4285	.00177	1.7120	.03849
#2	.04358	.04987	37.583	17.092	.13939	61.298	1.4239	.00172	1.6806	.03853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7592**	**.05211**	**1.1154**	**.00008**	**.00292**	**.42961**	**.91937**	**.00559**	**.91754**	**.01226**
Stddev	.0057	.00030	.0110	.00135	.00128	.01221	.02613	.00001	.00763	.00038
%RSD	.20704	.57982	.98295	1766.6	43.638	2.8425	2.8425	.16510	.83106	3.0908
#1	2.7551	.05233	1.1076	.00103	.00383	.43825	.93784	.00559	.92293	.01253
#2	2.7632	.05190	1.1231	-.00088	.00202	.42098	.90089	.00560	.91215	.01199
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84234**	**-.00056**	**-.03067**	**.06050**	**.16874**	**.05489**
Stddev	.00082	.00008	.01335	.00067	.00111	.00137
%RSD	.09701	14.640	43.535	1.1047	.65552	2.4969
#1	.84292	-.00050	-.04012	.06098	.16952	.05393
#2	.84176	-.00062	-.02123	.06003	.16796	.05586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6973.7**	**96829.**	**6054.5**
Stddev	13.0	465.	15.3
%RSD	.18634	.47982	.25317
#1	6964.5	96500.	6043.6
#2	6982.9	97157.	6065.3

Sample Name: 280-48953-a-6-c@5 Acquired: 11/15/2013 20:56:34 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**43.135**	**.01924**	**.08960**	**.67337**	**.00184**	**-.01383**	**279.04**	**.00268**	**.01354**
Stddev	.00058	.150	.00184	.00092	.00087	.00013	.00010	5.37	.00029	.00030
%RSD	102.74	.34698	9.5414	1.0238	.12909	7.1536	.68851	1.9240	10.766	2.1984
#1	-.00098	43.029	.01795	.09025	.67276	.00174	-.01389	275.24	.00247	.01375
#2	-.00016	43.241	.02054	.08895	.67399	.00193	-.01376	282.83	.00288	.01333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04261**	**.04556**	**36.459**	**16.689**	**.13486**	**57.952**	**1.3852**	**.00369**	**1.7295**	**.03665**
Stddev	.00026	.00007	.109	.057	.00170	.030	.0011	.00008	.0054	.00042
%RSD	.60920	.14700	.29834	.33947	1.2625	.05150	.08056	2.1788	.31480	1.1455
#1	.04280	.04551	36.382	16.649	.13365	57.931	1.3860	.00364	1.7256	.03695
#2	.04243	.04561	36.535	16.729	.13606	57.973	1.3844	.00375	1.7333	.03636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5903**	**.04768**	**1.0017**	**-.00124**	**.00300**	**.45050**	**.96406**	**.00517**	**.87801**	**.01120**
Stddev	.0137	.00029	.0127	.00095	.00117	.00184	.00393	.00036	.00031	.00029
%RSD	.52850	.61261	1.2708	76.378	39.003	.40791	.40791	6.9145	.03540	2.5931
#1	2.6000	.04747	1.0107	-.00057	.00217	.44920	.96128	.00542	.87823	.01141
#2	2.5806	.04789	.99265	-.00191	.00382	.45179	.96684	.00492	.87779	.01100
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83623**	**-.00022**	W **-.05425**	**.05938**	**.16051**	**.05021**
Stddev	.00076	.00041	.00403	.00039	.00061	.00008
%RSD	.09067	190.02	7.4218	.65754	.37848	.16309
#1	.83569	.00007	-.05710	.05965	.16008	.05027
#2	.83676	-.00051	-.05140	.05910	.16094	.05015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6943.2**	**96896.**	**5969.8**
Stddev	17.1	431.	42.6
%RSD	.24561	.44511	.71358
#1	6931.1	96591.	5999.9
#2	6955.2	97201.	5939.6

Sample Name: 280-48953-a-7-c@5 Acquired: 11/15/2013 20:58:56 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00067**	k **48.791**	k **.02172**	**.10838**	**.74083**	k **.00190**	k **-.01831**	**287.87**	k **.00296**	k **.01544**
Stddev	.00036	.629	.00346	.00035	.00752	.00001	.00225	5.84	.00026	.00170
%RSD	54.325	1.2882	15.925	.32628	1.0145	.29729	12.310	2.0280	8.7923	11.028
#1	k -.00041	k 49.235	k .01928	.10813	.74615	k .00189	k -.01990	292.00	k .00314	k .01665
#2	-.00092	48.346	.02417	.10863	.73552	.00190	-.01671	283.74	.00277	.01424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04844**	k **.05098**	k **40.816**	**19.045**	k **.15159**	k **65.454**	k **1.5090**	**.00152**	**2.1885**	k **.04073**
Stddev	.00038	.00012	.112	.175	.00161	.161	.0019	.00003	.0130	.00105
%RSD	.78145	.24080	.27441	.91771	1.0611	.24617	.12763	1.9858	.59245	2.5895
#1	k .04817	k .05090	k 40.737	19.169	k .15045	k 65.340	k 1.5103	.00154	2.1976	k .04148
#2	.04871	.05107	40.896	18.921	.15273	65.568	1.5076	.00150	2.1793	.03999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.8973**	k **.05010**	k **1.1687**	k **-.00045**	k **-.00038**	k **.41174**	k **.88112**	k **.00447**	**.97686**	k **.03098**
Stddev	.0018	.00174	.0017	.00153	.00169	.02049	.04386	.00236	.00956	.02173
%RSD	.06073	3.4698	.14678	339.92	439.90	4.9775	4.9775	52.880	.97902	70.150
#1	2.8986	k .04888	k 1.1675	k .00063	k .00081	k .42623	k .91213	k .00280	.98363	k .04635
#2	2.8961	.05133	1.1699	-.00153	-.00158	.39725	.85011	.00614	.97010	.01561
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **1.0349**	k **-.00122**	kW **-.05802**	k **.06831**	k **.17697**	k **.05572**
Stddev	.0027	.00055	.00694	.00018	.00086	.00133
%RSD	.26309	44.995	11.966	.26168	.48769	2.3880
#1	k 1.0330	k -.00083	k -.05311	k .06818	k .17636	k .05477
#2	1.0368	-.00161	-.06293	.06844	.17758	.05666
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6973.5**	**96255.**	**6061.8**
Stddev	12.0	523.	90.4
%RSD	.17167	.54339	1.4914
#1	6965.0	96625.	5997.8
#2	6981.9	95885.	6125.7

Sample Name: 280-48953-a-8-c@5 Acquired: 11/15/2013 21:01:18 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00060**	k **50.679**	k **.02102**	**.10821**	**.81180**	k **.00200**	k **-.01243**	**298.91**	k **.00298**	k **.01799**
Stddev	.00018	.250	.00245	.00086	.00643	.00001	.00117	4.31	.00009	.00001
%RSD	30.029	.49323	11.642	.79354	.79211	.64571	9.4330	1.4435	3.0902	.07319
#1	k -.00072	k 50.502	k .01929	.10760	.80726	k .00199	k -.01160	295.86	k .00304	k .01798
#2	k -.00047	k 50.856	k .02275	.10882	.81635	k .00201	k -.01326	301.97	k .00291	k .01800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04847**	k **.05305**	k **43.916**	**19.629**	k **.16976**	k **74.690**	k **1.7092**	k **.00153**	**2.1431**	k **.04407**
Stddev	.00010	.00027	.022	.081	.00067	.316	.0091	.00006	.0268	.00028
%RSD	.20748	.51217	.04923	.41383	.39387	.42264	.53457	3.6883	1.2504	.62802
#1	k .04854	k .05324	k 43.931	19.571	k .16928	k 74.913	k 1.7156	k .00157	2.1621	k .04426
#2	k .04840	k .05286	k 43.901	19.686	k .17023	k 74.467	k 1.7027	k .00149	2.1242	k .04387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9810**	k **.05157**	k **1.1410**	k **.00480**	k **.00282**	k **.55408**	k **1.1857**	k **.00317**	**1.0621**	k **.04831**
Stddev	.0020	.00061	.0092	.00267	.00205	.01926	.0412	.00044	.0065	.00040
%RSD	.06616	1.1874	.80600	55.693	72.551	3.4766	3.4766	13.909	.61504	.82825
#1	2.9796	k .05201	k 1.1344	k .00291	k .00427	k .56770	k 1.2149	k .00286	1.0574	k .04859
#2	2.9824	k .05114	k 1.1475	k .00669	k .00137	k .54046	k 1.1566	k .00348	1.0667	k .04803
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.93293**	k **-.00003**	k **-.03888**	k **.06773**	k **.18622**	k **.06087**
Stddev	.00564	.00013	.01769	.00015	.00097	.00133
%RSD	.60498	477.48	45.503	.22088	.52288	2.1861
#1	k .93692	k -.00012	k -.05138	k .06784	k .18553	k .06181
#2	k .92894	k .00006	k -.02637	k .06763	k .18691	k .05993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6963.9**	**96438.**	**6081.5**
Stddev	.8	247.	3.0
%RSD	.01129	.25620	.04955
#1	6964.5	96264.	6083.7
#2	6963.4	96613.	6079.4

Sample Name: 280-48953-a-9-c@5 Acquired: 11/15/2013 21:03:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**41.355**	**.01822**	**.08376**	**.61174**	**.00178**	**-.01172**	**259.63**	**.00230**	**.01314**
Stddev	.00062	.001	.00069	.00014	.00025	.00005	.00013	.78	.00007	.00014
%RSD	124.12	.00293	3.7863	.16367	.04078	3.0176	1.1447	.29866	3.2031	1.0909
#1	-.00006	41.356	.01773	.08385	.61192	.00182	-.01163	259.08	.00235	.01304
#2	-.00094	41.354	.01870	.08366	.61157	.00174	-.01182	260.17	.00225	.01324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04109**	**.04186**	**35.142**	**15.691**	**.12967**	**54.501**	**1.2481**	**.00315**	**1.8648**	**.03573**
Stddev	.00022	.00006	.023	.079	.00132	.197	.0035	.00005	.0044	.00034
%RSD	.54693	.13921	.06540	.50185	1.0203	.36106	.28058	1.5197	.23504	.94799
#1	.04125	.04191	35.125	15.635	.12873	54.361	1.2456	.00319	1.8679	.03597
#2	.04093	.04182	35.158	15.747	.13060	54.640	1.2506	.00312	1.8617	.03549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2572**	**.04019**	**.90447**	**.00060**	**-.00176**	**.42063**	**.90016**	**.00517**	**.83151**	**.01285**
Stddev	.0092	.00061	.01077	.00105	.00309	.00887	.01899	.00019	.00142	.00061
%RSD	.41001	1.5064	1.1911	176.07	175.78	2.1098	2.1098	3.6935	.17062	4.7374
#1	2.2637	.03976	.91208	-.00015	-.00394	.42691	.91359	.00503	.83051	.01328
#2	2.2506	.04062	.89685	.00134	.00043	.41436	.88673	.00530	.83252	.01241
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78589**	**.00083**	W **-.05665**	**.05724**	**.14764**	**.05190**
Stddev	.00057	.00214	.05816	.00004	.00119	.00106
%RSD	.07313	257.45	102.68	.07607	.80497	2.0482
#1	.78548	-.00068	-.09777	.05727	.14680	.05265
#2	.78629	.00234	-.01552	.05721	.14848	.05114
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6965.3**	**97066.**	**6029.6**
Stddev	1.1	7.	27.9
%RSD	.01588	.00730	.46343
#1	6966.1	97071.	6009.8
#2	6964.5	97061.	6049.3

Sample Name: 280-48953-a-10-c@5 Acquired: 11/15/2013 21:05:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**42.155**	**.02095**	**.08851**	**.62516**	**.00147**	**-.01283**	**381.40**	**.00335**	**.01091**
Stddev	.00015	.021	.00093	.00092	.00347	.00001	.00056	1.28	.00001	.00032
%RSD	255.34	.04945	4.4455	1.0379	.55552	1.0090	4.3271	.33432	.16098	2.9091
#1	-.00017	42.140	.02161	.08916	.62761	.00146	-.01244	382.30	.00334	.01113
#2	.00005	42.169	.02029	.08786	.62270	.00148	-.01322	380.49	.00335	.01068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05739**	**.08888**	**31.843**	**14.870**	**.12261**	**51.769**	**1.1227**	**.01131**	**2.6047**	**.04474**
Stddev	.00046	.00022	.074	.022	.00041	.061	.0022	.00003	.0127	.00066
%RSD	.80507	.24703	.23208	.14899	.33097	.11747	.19186	.28080	.48916	1.4777
#1	.05771	.08872	31.895	14.854	.12289	51.812	1.1242	.01134	2.6137	.04521
#2	.05706	.08903	31.790	14.885	.12232	51.726	1.1211	.01129	2.5957	.04428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6767**	**.05163**	**1.1908**	**.00101**	**.00112**	**.45237**	**.96807**	**.00631**	**1.0167**	**.00962**
Stddev	.0148	.00168	.0087	.00053	.00201	.00381	.00816	.00022	.0056	.00083
%RSD	.55134	3.2467	.73131	52.298	178.77	.84305	.84305	3.4311	.55337	8.6268
#1	2.6871	.05282	1.1970	.00138	-.00030	.44967	.96229	.00615	1.0207	.01020
#2	2.6662	.05045	1.1847	.00063	.00255	.45506	.97384	.00646	1.0128	.00903
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84097**	**.00033**	**-.02338**	**.05742**	**.18731**	**.03993**
Stddev	.00105	.00031	.01151	.00063	.00106	.00236
%RSD	.12465	92.654	49.244	1.0944	.56607	5.9113
#1	.84171	.00055	-.03152	.05697	.18657	.03826
#2	.84023	.00012	-.01524	.05786	.18806	.04160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.3**	**95308.**	**5915.7**
Stddev	6.4	412.	32.6
%RSD	.09222	.43268	.55043
#1	6906.8	95017.	5892.7
#2	6897.8	95600.	5938.7

Sample Name: 280-48953-a-11-c@5 Acquired: 11/15/2013 21:08:21 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**29.843**	**.01918**	**.05089**	**.48694**	**.00075**	**-.00612**	W **558.48**	**.00205**	**.00659**
Stddev	.00021	.256	.00167	.00008	.00150	.00001	.00065	.69	.00005	.00011
%RSD	382.98	.85752	8.7201	.16446	.30744	1.7762	10.666	.12400	2.2931	1.6704
#1	.00020	30.024	.02037	.05095	.48800	.00076	-.00566	557.99	.00202	.00651
#2	-.00009	29.662	.01800	.05083	.48588	.00074	-.00658	558.97	.00208	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05458**	**.05085**	**18.539**	**7.4039**	**.07430**	**32.033**	**.51505**	**.01985**	**2.8146**	**.03859**
Stddev	.00010	.00038	.044	.0722	.00172	.076	.00065	.00008	.0303	.00020
%RSD	.18032	.73791	.23773	.97473	2.3164	.23817	.12707	.42777	1.0781	.51644
#1	.05451	.05111	18.570	7.4549	.07551	32.087	.51551	.01979	2.8361	.03873
#2	.05465	.05058	18.507	7.3528	.07308	31.979	.51459	.01991	2.7932	.03845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7292**	**.03993**	**1.5618**	**.00316**	**.00301**	**.56875**	**1.2171**	**.02096**	**1.1824**	**.00435**
Stddev	.0061	.00070	.0020	.00080	.00118	.00923	.0198	.00017	.0018	.00017
%RSD	.35509	1.7489	.12602	25.242	39.046	1.6237	1.6237	.81386	.15158	3.7994
#1	1.7335	.04042	1.5604	.00373	.00385	.56222	1.2032	.02108	1.1837	.00447
#2	1.7248	.03943	1.5632	.00260	.00218	.57528	1.2311	.02084	1.1812	.00424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53406**	**.00045**	**-.02257**	**.04821**	**.14128**	**.03454**
Stddev	.00201	.00083	.01603	.00020	.00150	.00136
%RSD	.37656	185.62	71.020	.41951	1.0608	3.9244
#1	.53549	-.00014	-.01124	.04835	.14022	.03359
#2	.53264	.00104	-.03390	.04807	.14234	.03550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6778.5**	**94279.**	**5941.0**
Stddev	16.1	269.	23.0
%RSD	.23681	.28518	.38753
#1	6767.2	94089.	5957.3
#2	6789.9	94469.	5924.7

Sample Name: 280-48953-a-12-c@5 Acquired: 11/15/2013 21:10:44 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**42.551**	**.01935**	**.08831**	**.65319**	**.00150**	**-.01160**	**379.88**	**.00357**	**.01084**
Stddev	.00006	.417	.00083	.00090	.00673	.00007	.00283	6.91	.00004	.00010
%RSD	9.2697	.97890	4.2943	1.0199	1.0305	4.5340	24.400	1.8182	1.1079	.96779
#1	-.00064	42.256	.01994	.08895	.64844	.00145	-.00960	384.76	.00354	.01077
#2	-.00056	42.845	.01876	.08767	.65795	.00154	-.01361	374.99	.00359	.01092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06131**	**.08408**	**32.233**	**15.202**	**.12507**	**52.734**	**1.1446**	**.01943**	**3.2445**	**.04719**
Stddev	.00038	.00028	.362	.115	.00314	.170	.0022	.00021	.0076	.00045
%RSD	.61508	.33560	1.1224	.75796	2.5142	.32331	.19396	1.0786	.23302	.95948
#1	.06158	.08388	31.977	15.121	.12285	52.854	1.1462	.01958	3.2391	.04751
#2	.06104	.08428	32.488	15.284	.12729	52.613	1.1431	.01928	3.2498	.04687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6902**	**.04610**	**1.4917**	**.00097**	**.00347**	**.46292**	**.99065**	**.00664**	**1.0190**	**.00975**
Stddev	.0122	.00159	.0078	.00079	.00309	.03443	.07368	.00001	.0087	.00203
%RSD	.45194	3.4479	.52276	80.952	88.938	7.4377	7.4377	.13204	.84950	20.831
#1	2.6988	.04723	1.4973	.00042	.00566	.43857	.93854	.00664	1.0129	.01119
#2	2.6816	.04498	1.4862	.00153	.00129	.48726	1.0427	.00663	1.0252	.00832
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83911**	**.00044**	W **-.05110**	**.06026**	**.20076**	**.04567**
Stddev	.00098	.00116	.01729	.00064	.00015	.00185
%RSD	.11669	261.16	33.836	1.0644	.07617	4.0499
#1	.83980	.00127	-.03887	.05980	.20087	.04436
#2	.83842	-.00038	-.06333	.06071	.20065	.04697
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6892.5**	**94689.**	**5942.6**
Stddev	33.1	621.	40.0
%RSD	.47990	.65631	.67392
#1	6869.1	94250.	5970.9
#2	6915.9	95129.	5914.2

Sample Name: 280-48953-a-13-c@5 Acquired: 11/15/2013 21:13:06 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**41.346**	**.01807**	**.09012**	**.63297**	**.00174**	**-.01082**	**274.63**	**.00253**	**.01327**
Stddev	.00047	.163	.00180	.00014	.00463	.00010	.00056	3.75	.00003	.00015
%RSD	49.521	.39433	9.9430	.15009	.73223	5.7261	5.2047	1.3656	1.3524	1.1004
#1	-.00061	41.461	.01680	.09022	.63625	.00167	-.01122	277.28	.00250	.01316
#2	-.00127	41.231	.01934	.09003	.62969	.00181	-.01042	271.98	.00255	.01337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04156**	**.04346**	**34.661**	**16.166**	**.13287**	**58.559**	**1.3514**	**.00114**	**1.7988**	**.03605**
Stddev	.00011	.00001	.207	.042	.00102	.475	.0108	.00001	.0077	.00018
%RSD	.26544	.01948	.59623	.25811	.76796	.81125	.79974	1.0819	.43065	.49326
#1	.04148	.04346	34.807	16.196	.13215	58.894	1.3590	.00113	1.8043	.03593
#2	.04164	.04345	34.515	16.137	.13359	58.223	1.3437	.00115	1.7934	.03618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4535**	**.04342**	**.94715**	**.00311**	**-.00136**	**.43235**	**.92523**	**.00508**	**.87415**	**.01071**
Stddev	.0107	.00003	.00154	.00027	.00021	.00599	.01282	.00056	.00658	.00224
%RSD	.43669	.05878	.16226	8.7958	15.458	1.3852	1.3852	10.983	.75298	20.924
#1	2.4459	.04344	.94823	.00331	-.00121	.43658	.93429	.00469	.87881	.01229
#2	2.4611	.04341	.94606	.00292	-.00151	.42812	.91617	.00548	.86950	.00912
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78665**	**.00016**	**-.03393**	**.05732**	**.15562**	**.04996**
Stddev	.00527	.00028	.00273	.00102	.00015	.00136
%RSD	.66941	178.32	8.0333	1.7878	.09728	2.7301
#1	.79038	-.00004	-.03200	.05805	.15573	.05093
#2	.78293	.00036	-.03585	.05660	.15551	.04900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6948.1**	**96238.**	**6034.5**
Stddev	2.9	343.	54.8
%RSD	.04184	.35590	.90849
#1	6946.1	95996.	5995.8
#2	6950.2	96481.	6073.3

Sample Name: CCVH-2382126 Acquired: 11/15/2013 21:15:30 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00727**	**49.956**	**.00128**	**.00015**	**.00067**	**-.00008**	**1.0242**	**.09259**	**.00072**	**-.00074**	**.00033**	**.02254**
Stddev	.00021	.062	.00257	.00043	.00042	.00011	.0019	.02753	.00016	.00006	.00018	.00009
%RSD	2.9193	.12330	201.31	289.70	62.806	148.07	.18297	29.733	22.131	8.4468	55.196	.38540
#1	-.00712	50.000	-.00054	.00045	.00096	.00000	1.0228	.11206	.00083	-.00078	.00020	.02260
#2	-.00742	49.913	.00310	-.00016	.00037	-.00016	1.0255	.07313	.00061	-.00070	.00045	.02248
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.756**	**.00217**	**.00156**	**.09163**	**.00141**	**.00028**	**260.39**	**-.00075**	**.00594**	**.00121**	**4.9326**	**-.00030**
Stddev	.004	.04963	.00043	.00057	.00009	.00018	.01	.00016	.00065	.00067	.0261	.00134
%RSD	.00904	2289.5	27.611	.62473	6.1640	63.273	.00252	21.072	10.990	55.474	.52978	450.89
#1	48.759	-.03293	.00126	.09123	.00135	.00015	260.39	-.00086	.00548	.00169	4.9142	.00065
#2	48.753	.03727	.00186	.09204	.00147	.00040	260.40	-.00064	.00640	.00074	4.9511	-.00125
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00438**	**-.00727**	**-.01555**	**.00040**	**.00057**	W **4.6911**	**.01635**	**.00051**	F **11.448**	**.00385**	**.00138**	**-.07672**
Stddev	.00134	.00785	.01679	.00119	.00011	.0176	.00018	.00009	.077	.00076	.00024	.00248
%RSD	30.588	107.98	107.98	294.02	19.362	.37630	1.0853	17.245	.67617	19.765	17.336	3.2296
#1	-.00343	-.01281	-.02742	.00124	.00065	4.6786	.01648	.00044	11.394	.00331	.00121	-.07497
#2	-.00533	-.00172	-.00368	-.00044	.00050	4.7036	.01623	.00057	11.503	.00439	.00155	-.07848
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6831.4**	**96306.**	**5817.0**
Stddev	4.8	342.	44.2
%RSD	.07069	.35497	.75899
#1	6828.0	96548.	5785.8
#2	6834.9	96065.	5848.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 21:17:56 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48928**	**.51976**	**1.0152**	**.51431**	**.50317**	**.49602**	**-.01116**	**5.0790**	**.50053**	**.50593**	**.50981**	**.49705**	**2.4985**
Stddev	.00119	.00002	.0004	.00032	.00184	.00176	.00070	.0372	.00195	.00125	.00099	.00176	.0036
%RSD	.24413	.00425	.03486	.06317	.36604	.35569	6.3011	.73193	.38978	.24803	.19474	.35329	.14507
#1	.49012	.51975	1.0155	.51408	.50187	.49477	-.01067	5.0527	.50191	.50682	.51051	.49829	2.4959
#2	.48843	.51978	1.0150	.51454	.50448	.49726	-.01166	5.1053	.49915	.50505	.50910	.49581	2.5010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.141**	**.99384**	**19.154**	**.49242**	**.50808**	**5.1315**	**.51561**	**1.0092**	**1.0468**	**.00345**	**1.0181**	**1.0244**	**4.9290**
Stddev	.195	.00264	.045	.00127	.00111	.0354	.00196	.0025	.0005	.00040	.0036	.0018	.0490
%RSD	.37456	.26519	.23543	.25750	.21935	.69073	.37951	.25120	.05164	11.723	.34860	.17652	.99495
#1	52.003	.99571	19.186	.49331	.50729	5.1566	.51699	1.0074	1.0464	.00317	1.0156	1.0232	4.8943
#2	52.279	.99198	19.122	.49152	.50886	5.1064	.51423	1.0110	1.0472	.00374	1.0206	1.0257	4.9636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.548**	**1.0136**	**.49574**	**.00609**	**.47799**	**1.0261**	**-.00398**	**.48783**	**.47920**	**.49307**
Stddev	.105	.0043	.00146	.00040	.00120	.0030	.00829	.00029	.00179	.00511
%RSD	.99495	.42273	.29417	6.5518	.25045	.29539	208.41	.05859	.37303	1.0368
#1	10.474	1.0106	.49471	.00638	.47714	1.0240	-.00984	.48763	.48046	.48946
#2	10.622	1.0166	.49677	.00581	.47884	1.0283	.00188	.48803	.47794	.49668
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6864.7**	**97353.**	**5750.7**
Stddev	6.7	205.	6.1
%RSD	.09732	.21067	.10522
#1	6859.9	97208.	5754.9
#2	6869.4	97498.	5746.4

Sample Name: CCB Acquired: 11/15/2013 21:20:06 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00405**	**.00114**	**-.00010**	**.00015**	**.00016**	**.00027**	**.03006**	**.00003**	**-.00006**	**.00006**	**-.00112**
Stddev	.00003	.00016	.00055	.00038	.00004	.00009	.00001	.00081	.00006	.00008	.00015	.00006
%RSD	8.2585	4.0440	48.210	358.76	26.617	58.146	3.1004	2.7065	212.10	127.54	224.64	5.4789
#1	-.00033	.00417	.00153	-.00037	.00018	.00023	.00026	.02948	-.00001	-.00011	-.00004	-.00116
#2	-.00037	.00394	.00075	.00016	.00012	.00009	.00028	.03063	.00007	-.00001	.00017	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	**.08389**	W **.00312**	**.00591**	**.00018**	**.00141**	**.01603**	**-.00018**	**.00128**	**-.00023**	**.00191**	W **.00449**
Stddev	.00131	.05594	.00108	.00248	.00004	.00041	.00710	.00004	.00121	.00058	.00357	.00047
%RSD	38.966	66.690	34.739	41.944	24.633	28.852	44.310	22.915	93.845	254.60	187.00	10.401
#1	.00429	.12344	.00235	.00766	.00015	.00112	.02105	-.00021	.00043	-.00064	.00444	.00416
#2	.00243	.04433	.00389	.00416	.00021	.00169	.01101	-.00015	.00214	.00018	-.00062	.00482
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261									.00314
Low Limit			-.00261									-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	**-.01177**	**-.02520**	**.00020**	**.00019**	**.00014**	**.00016**	**.00072**	**.01817**	**-.00034**	**.00202**	F **.00527**
Stddev	.00270	.00209	.00448	.00062	.00008	.00003	.00008	.00083	.03871	.00016	.00031	.00085
%RSD	106.34	17.786	17.786	305.13	43.128	23.416	51.034	115.50	213.01	45.712	15.472	16.107
#1	.00445	-.01029	-.02203	-.00024	.00013	.00011	.00010	.00130	.04554	-.00023	.00180	.00587
#2	.00063	-.01325	-.02836	.00065	.00025	.00016	.00022	.00013	-.00920	-.00046	.00225	.00467
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00476
Low Limit												-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7005.8**	**100800.**	**5821.0**
Stddev	43.0	551.	24.3
%RSD	.61341	.54647	.41711
#1	6975.4	101190.	5803.8
#2	7036.2	100410.	5838.2

Sample Name: CCVL2383195 Acquired: 11/15/2013 21:22:26 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00983**	**.11248**	**.01580**	**.10573**	**.01024**	**.00093**	**.12138**	**.23254**	**.00543**	**.01085**	**.01076**	**.01511**	**.10749**
Stddev	.00051	.00166	.00047	.00068	.00044	.00006	.00227	.00578	.00015	.00001	.00017	.00013	.00206
%RSD	5.2229	1.4718	2.9672	.64494	4.2750	6.5635	1.8690	2.4857	2.8021	.08128	1.6069	.85553	1.9193
#1	.00946	.11365	.01613	.10525	.01055	.00089	.11978	.23663	.00554	.01086	.01064	.01520	.10895
#2	.01019	.11130	.01547	.10621	.00993	.00097	.12299	.22845	.00532	.01085	.01088	.01502	.10603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2013**	**.01068**	F **.34826**	F **.01331**	**.02081**	**1.0604**	**.04380**	**3.0815**	**.01060**	**.00324**	**.01163**	**.01655**	**.50603**
Stddev	.0420	.00233	.07384	.00157	.00011	.0138	.00016	.0092	.00008	.00135	.00117	.00036	.02861
%RSD	1.3103	21.845	21.202	11.816	.54106	1.3009	.36722	.29688	.77989	41.737	10.065	2.1561	5.6541
#1	3.2309	.01233	.40047	.01442	.02073	1.0702	.04392	3.0751	.01066	.00420	.01246	.01630	.52626
#2	3.1716	.00903	.29605	.01220	.02089	1.0507	.04369	3.0880	.01054	.00228	.01080	.01680	.48580
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value			.20000	.01000									
Range			30.000%	30.000%									

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0829**	**.10905**	**.01030**	**.01470**	**.01164**	**.01698**	**.07571**	**.00942**	**.02252**	F **.01953**
Stddev	.0612	.00084	.00017	.00115	.00128	.00046	.01081	.00082	.00082	.00211
%RSD	5.6541	.76815	1.6653	7.8417	11.002	2.7090	14.274	8.7211	3.6365	10.781
#1	1.1262	.10846	.01042	.01551	.01254	.01666	.08335	.01000	.02310	.01804
#2	1.0396	.10964	.01018	.01388	.01073	.01731	.06807	.00884	.02194	.02102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value										.01500
Range										30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7015.1**	**100940.**	**5910.4**
Stddev	32.9	218.	78.9
%RSD	.46853	.21635	1.3343
#1	7038.3	101100.	5854.7
#2	6991.8	100790.	5966.2

Sample Name: mb 280-200787/1-a Acquired: 11/15/2013 21:24:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00233**	**-.00161**	**-.00052**	**.00002**	**.00001**	**-.00023**	**.00861**	**.00031**	**.00001**
Stddev	.00007	.00019	.00042	.00074	.00018	.00005	.00074	.00418	.00004	.00007
%RSD	50.403	7.9870	26.308	142.51	1018.5	419.71	322.16	48.489	13.774	496.13
#1	-.00019	.00246	-.00191	.00000	.00014	.00005	.00029	.01157	.00028	.00007
#2	-.00009	.00220	-.00131	-.00104	-.00011	-.00002	-.00075	.00566	.00034	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00085**	**.00936**	**-.01869**	**.00011**	**.00106**	**.00009**	**.00007**	**-.00718**	**.00054**
Stddev	.00015	.00030	.00299	.00921	.00258	.00055	.00003	.00014	.00038	.00011
%RSD	114.39	34.871	31.965	49.283	2359.5	51.832	40.037	210.21	5.3239	19.535
#1	.00003	-.00106	.00725	-.01218	-.00171	.00067	.00006	-.00003	-.00745	.00046
#2	.00024	-.00064	.01148	-.02521	.00193	.00145	.00011	.00017	-.00691	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00320**	**-.00067**	**.00495**	**.00056**	**-.00039**	**-.00154**	**-.00329**	**.00036**	**-.00004**	**-.00019**
Stddev	.00029	.00036	.00111	.00005	.00134	.01784	.03817	.00024	.00018	.00073
%RSD	9.2056	53.029	22.487	9.6715	346.52	1160.7	1160.7	65.861	415.88	395.24
#1	.00299	-.00092	.00416	.00060	.00056	-.01415	-.03028	.00052	-.00017	.00033
#2	.00341	-.00042	.00574	.00052	-.00134	.01108	.02370	.00019	.00008	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00025**	**-.00456**	**-.00031**	**.00318**	**.00181**
Stddev	.00004	.00001	.04462	.00038	.00021	.00142
%RSD	35.481	5.2910	979.07	123.25	6.6788	78.678
#1	-.00008	-.00024	-.03611	-.00057	.00333	.00080
#2	-.00014	-.00026	.02699	-.00004	.00303	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6995.3**	**101090.**	**5772.7**
Stddev	.7	518.	6.8
%RSD	.01046	.51257	.11742
#1	6994.8	101460.	5777.5
#2	6995.9	100730.	5767.9

Sample Name: lcs 280-200787/2-a Acquired: 11/15/2013 21:27:07 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04830**	**1.9480**	**1.0623**	**1.0599**	**2.0410**	**.04924**	**2.1569**	**49.433**	**.10225**	**.49625**
Stddev	.00063	.0062	.0067	.0030	.0055	.00008	.0003	.271	.00000	.00006
%RSD	1.3074	.31829	.63223	.28639	.26993	.16214	.01515	.54742	.00280	.01119
#1	.04785	1.9524	1.0576	1.0620	2.0449	.04930	2.1571	49.624	.10224	.49629
#2	.04874	1.9436	1.0671	1.0577	2.0371	.04919	2.1567	49.241	.10225	.49621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20684**	**.25734**	**.98888**	**53.401**	**1.0228**	**48.971**	**.49498**	**1.0324**	**53.780**	**.50937**
Stddev	.00077	.00039	.00399	.271	.0002	.094	.00056	.0021	.201	.00175
%RSD	.37236	.15321	.40346	.50689	.01885	.19290	.11302	.20145	.37326	.34442
#1	.20739	.25762	.99170	53.592	1.0230	48.904	.49459	1.0339	53.922	.51061
#2	.20630	.25706	.98606	53.209	1.0227	49.038	.49538	1.0309	53.638	.50813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.439**	**.52106**	**.00103**	**.51980**	**2.1321**	**10.028**	**21.460**	**2.0524**	**1.0053**	**.96620**
Stddev	.012	.00213	.00042	.00450	.0020	.042	.089	.0033	.0017	.00211
%RSD	.11212	.40971	40.485	.86618	.09539	.41504	.41504	.15932	.17356	.21803
#1	10.431	.52257	.00074	.52298	2.1335	10.057	21.522	2.0547	1.0065	.96471
#2	10.448	.51955	.00133	.51662	2.1306	9.9984	21.397	2.0501	1.0041	.96769
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98597**	**1.9993**	F **2.3892**	**.49850**	**.47994**	**.48536**
Stddev	.00092	.0076	.0308	.00039	.00191	.00190
%RSD	.09349	.37841	1.2876	.07755	.39828	.39084
#1	.98532	2.0047	2.4109	.49823	.47859	.48670
#2	.98663	1.9940	2.3674	.49877	.48129	.48401
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6756.4**	**95624.**	**5763.4**
Stddev	14.5	109.	43.0
%RSD	.21438	.11413	.74687
#1	6746.1	95702.	5732.9
#2	6766.6	95547.	5793.8

Sample Name: 280-48908-h-2-e Acquired: 11/15/2013 21:29:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**.01023**	**-.00008**	**.05201**	**.05924**	**.00008**	**-.00162**	**58.014**	**.00102**	**.00432**
Stddev	.00020	.00039	.00266	.00018	.00015	.00002	.00046	.157	.00023	.00018
%RSD	27.384	3.8021	3211.7	.33816	.25865	26.642	28.566	.27038	22.273	4.2600
#1	-.00059	.00995	-.00196	.05189	.05913	.00010	-.00195	58.125	.00118	.00419
#2	-.00087	.01050	.00180	.05214	.05934	.00007	-.00129	57.903	.00086	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00050**	**.05423**	**1.9260**	**.00313**	**4.0195**	**.10043**	**.00705**	**16.868**	**.00691**
Stddev	.00015	.00005	.00023	.0080	.00131	.0106	.00011	.00059	.291	.00012
%RSD	71.676	9.0181	.41987	.41641	41.847	.26416	.10543	8.3780	1.7255	1.7292
#1	.00011	.00053	.05407	1.9317	.00221	4.0270	.10036	.00663	17.074	.00682
#2	.00032	.00047	.05439	1.9204	.00406	4.0120	.10051	.00747	16.662	.00699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01134**	**.00033**	**3.1858**	**-.00121**	**.00519**	**8.6958**	**18.609**	**.00096**	**.23931**	**.00266**
Stddev	.00075	.00129	.0074	.00138	.00194	.0296	.063	.00011	.00055	.00264
%RSD	6.6215	394.45	.23355	113.88	37.374	.34086	.34086	11.609	.22925	99.172
#1	.01081	.00124	3.1910	-.00024	.00382	8.6749	18.564	.00104	.23969	.00453
#2	.01187	-.00059	3.1805	-.00219	.00656	8.7168	18.654	.00088	.23892	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00083**	**-.01849**	**-.00021**	**.01487**	**.00283**
Stddev	.00015	.00117	.03676	.00059	.00012	.00049
%RSD	566.03	140.10	198.87	285.43	.79563	17.236
#1	.00008	.00001	-.04448	.00021	.01495	.00318
#2	-.00013	.00166	.00751	-.00062	.01478	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.9**	**98546.**	**5802.8**
Stddev	8.8	269.	40.5
%RSD	.12772	.27307	.69867
#1	6899.7	98355.	5774.1
#2	6912.2	98736.	5831.4

Sample Name: 280-48908-h-2-eSD@5 Acquired: 11/15/2013 21:31:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00909**	**-.00256**	**.01085**	**.01269**	**.00003**	**-.00113**	**12.741**	**.00025**	**.00085**
Stddev	.00045	.00021	.00064	.00015	.00021	.00006	.00139	.116	.00015	.00021
%RSD	187.34	2.3426	25.090	1.3643	1.6717	220.75	122.52	.90919	61.378	24.451
#1	.00008	.00894	-.00211	.01096	.01254	.00007	-.00015	12.659	.00014	.00070
#2	-.00056	.00924	-.00302	.01075	.01284	-.00001	-.00211	12.823	.00035	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00045**	**.02828**	**.39485**	**.00165**	**.89263**	**.02238**	**.00110**	**3.3618**	**.00142**
Stddev	.00002	.00016	.00035	.01494	.00102	.00449	.00003	.00021	.0209	.00031
%RSD	14.859	36.366	1.2550	3.7842	62.023	.50312	.11956	18.764	.62194	21.733
#1	.00010	-.00034	.02803	.40542	.00092	.89581	.02240	.00096	3.3471	.00120
#2	.00012	-.00057	.02853	.38428	.00237	.88946	.02236	.00125	3.3766	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00090**	**.65965**	**.00102**	**-.00030**	**1.8788**	**4.0206**	**.00181**	**.05267**	**.00075**
Stddev	.00058	.00069	.00242	.00061	.00207	.0297	.0636	.00015	.00074	.00022
%RSD	23.577	76.757	.36725	59.787	692.35	1.5825	1.5825	8.4005	1.4029	29.531
#1	.00206	.00041	.65794	.00059	-.00176	1.8577	3.9756	.00192	.05215	.00060
#2	.00288	.00139	.66136	.00144	.00117	1.8998	4.0655	.00170	.05319	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00052**	**-.00162**	**-.00011**	**.00751**	**.00242**
Stddev	.00015	.00024	.00858	.00039	.00025	.00109
%RSD	173.08	45.492	529.04	374.06	3.2918	44.972
#1	.00002	.00035	.00445	-.00038	.00769	.00318
#2	-.00019	.00069	-.00769	.00017	.00734	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.7**	**100200.**	**5835.8**
Stddev	8.5	375.	60.5
%RSD	.12179	.37436	1.0364
#1	6988.7	100470.	5878.5
#2	7000.7	99938.	5793.0

Sample Name: 280-48908-h-2-f ms Acquired: 11/15/2013 21:33:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04758**	**1.8578**	**1.0171**	**1.0625**	**1.9869**	**.04734**	F **2.0754**	**105.94**	**.09846**	**.47486**
Stddev	.00038	.0011	.0031	.0072	.0113	.00009	.0151	.66	.00053	.00026
%RSD	.80578	.06084	.30110	.67886	.56700	.19099	.72960	.61948	.54149	.05459
#1	.04731	1.8586	1.0149	1.0574	1.9949	.04727	2.0647	106.40	.09808	.47504
#2	.04786	1.8570	1.0193	1.0676	1.9790	.04740	2.0861	105.47	.09884	.47467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19636**	**.24890**	**.99721**	**52.872**	**.97869**	**50.394**	**.57131**	**.99297**	**68.623**	**.48760**
Stddev	.00086	.00052	.00279	.294	.00069	.080	.00097	.00063	.567	.00216
%RSD	.43706	.20743	.27972	.55546	.07026	.15918	.16956	.06347	.82576	.44325
#1	.19576	.24854	.99918	53.080	.97917	50.451	.57200	.99341	69.023	.48607
#2	.19697	.24927	.99524	52.665	.97820	50.337	.57063	.99252	68.222	.48913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.078**	**.49365**	**3.2985**	**.49472**	**2.0353**	**18.759**	**40.145**	**1.9550**	**1.1946**	**.92522**
Stddev	.008	.00003	.0140	.00044	.0170	.021	.045	.0086	.0072	.00214
%RSD	.08265	.00570	.42553	.08981	.83683	.11311	.11311	.43847	.60501	.23119
#1	10.084	.49367	3.2886	.49503	2.0233	18.744	40.113	1.9489	1.1997	.92673
#2	10.072	.49363	3.3084	.49440	2.0474	18.774	40.177	1.9610	1.1895	.92370
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95018**	**1.8849**	**2.3257**	**.47949**	**.47018**	**.46731**
Stddev	.00154	.0048	.0200	.00032	.00118	.00055
%RSD	.16192	.25558	.86011	.06590	.25100	.11841
#1	.95127	1.8815	2.3116	.47971	.47101	.46770
#2	.94909	1.8883	2.3399	.47927	.46934	.46692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6692.5**	**94571.**	**5810.2**
Stddev	6.1	35.	25.1
%RSD	.09105	.03712	.43281
#1	6688.2	94546.	5792.5
#2	6696.8	94596.	5828.0

Sample Name: 280-48908-h-2-g msd Acquired: 11/15/2013 21:36:06 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04599**	**1.8031**	**.99284**	**1.0381**	**1.9370**	**.04633**	F **2.0239**	**102.76**	**.09606**	**.45951**
Stddev	.00017	.0017	.00781	.0072	.0219	.00027	.0155	1.20	.00074	.00009
%RSD	.36323	.09548	.78682	.68858	1.1294	.58617	.76559	1.1723	.76842	.02065
#1	.04588	1.8043	.99837	1.0432	1.9216	.04613	2.0349	101.91	.09658	.45945
#2	.04611	1.8019	.98732	1.0331	1.9525	.04652	2.0130	103.62	.09554	.45958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19072**	**.23984**	**.96526**	**51.897**	**.95476**	**48.503**	**.55048**	**.96888**	**67.291**	**.47406**
Stddev	.00116	.00092	.00200	.687	.01074	.046	.00028	.00129	.852	.00283
%RSD	.60592	.38475	.20673	1.3228	1.1247	.09442	.05158	.13338	1.2656	.59604
#1	.19154	.24049	.96385	51.412	.94717	48.535	.55068	.96979	66.689	.47606
#2	.18990	.23919	.96667	52.382	.96236	48.471	.55028	.96796	67.893	.47207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8027**	**.48119**	**3.1875**	**.48441**	**1.9962**	**18.311**	**39.186**	**1.9029**	**1.1602**	**.88932**
Stddev	.0084	.00395	.0306	.00650	.0176	.138	.295	.0106	.0117	.00224
%RSD	.08604	.82008	.96114	1.3413	.88201	.75201	.75201	.55650	1.0098	.25241
#1	9.8087	.48398	3.2091	.48900	2.0086	18.214	38.977	1.9104	1.1519	.89091
#2	9.7968	.47840	3.1658	.47981	1.9837	18.408	39.394	1.8954	1.1685	.88773
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91457**	**1.8464**	**2.2166**	**.46312**	**.45287**	**.45617**
Stddev	.00039	.0118	.0045	.00051	.00100	.00152
%RSD	.04271	.63708	.20444	.10920	.22041	.33377
#1	.91429	1.8547	2.2198	.46276	.45217	.45725
#2	.91485	1.8381	2.2134	.46347	.45358	.45510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6740.1**	**95506.**	**5792.1**
Stddev	1.8	391.	78.6
%RSD	.02688	.40940	1.3569
#1	6738.9	95782.	5847.6
#2	6741.4	95229.	5736.5

Sample Name: 280-48908-h-2-ePDS Acquired: 11/15/2013 21:38:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04050**	**1.0295**	**.21764**	**.15645**	**.16306**	**.05077**	**-.00427**	**80.023**	**.05337**	**.05522**
Stddev	.00047	.0019	.00254	.00075	.00014	.00011	.00283	.164	.00029	.00032
%RSD	1.1725	.18421	1.1690	.47718	.08627	.21534	66.231	.20465	.54933	.57953
#1	.04084	1.0282	.21585	.15592	.16316	.05069	-.00227	80.139	.05316	.05499
#2	.04017	1.0309	.21944	.15697	.16296	.05085	-.00627	79.907	.05358	.05544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05215**	**.05387**	**1.0590**	**23.613**	**.10763**	**23.556**	**.15323**	**.05694**	**39.260**	**.05868**
Stddev	.00015	.00009	.0024	.033	.00335	.045	.00029	.00090	.350	.00096
%RSD	.27826	.16229	.22259	.13830	3.1090	.19005	.19240	1.5818	.89089	1.6320
#1	.05205	.05393	1.0606	23.636	.10526	23.587	.15302	.05630	39.507	.05800
#2	.05225	.05381	1.0573	23.590	.10999	23.524	.15344	.05757	39.012	.05936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1621**	**.10502**	**3.2940**	**.09959**	**.22136**	**13.912**	**29.771**	**.10023**	**.29779**	**.19502**
Stddev	.0172	.00073	.0223	.00216	.00061	.000	.001	.00059	.00125	.00010
%RSD	.79612	.69110	.67825	2.1696	.27664	.00199	.00199	.58427	.41923	.05283
#1	2.1499	.10451	3.2782	.10112	.22092	13.911	29.770	.09982	.29867	.19510
#2	2.1742	.10554	3.3098	.09806	.22179	13.912	29.771	.10065	.29691	.19495
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**.20571**	**.62623**	**.05125**	**.21017**	**.04808**
Stddev	.00017	.00301	.02079	.00002	.00068	.00238
%RSD	.34373	1.4629	3.3205	.03127	.32532	4.9584
#1	.04859	.20358	.61153	.05126	.20969	.04977
#2	.04836	.20783	.64094	.05123	.21066	.04640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6820.5**	**96519.**	**5833.9**
Stddev	7.3	218.	37.9
%RSD	.10650	.22573	.64955
#1	6825.6	96365.	5807.1
#2	6815.4	96673.	5860.7

Sample Name: 280-49096-g-3-b Acquired: 11/15/2013 21:40:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.35139**	**-.00122**	**.00777**	**.03638**	**.00021**	**-.00371**	**.51634**	**.00017**	**.00108**
Stddev	.00012	.00019	.00092	.00033	.00007	.00000	.00016	.00888	.00011	.00018
%RSD	141.09	.05318	75.521	4.2912	.18889	2.2866	4.3376	1.7201	66.663	16.906
#1	-.00017	.35125	-.00187	.00800	.03643	.00021	-.00383	.52262	.00024	.00095
#2	.00000	.35152	-.00057	.00753	.03633	.00022	-.00360	.51006	.00009	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.00110**	**.70528**	**.93656**	**.00119**	**1.0118**	**.00655**	**.00087**	**18.831**	**.00183**
Stddev	.00001	.00013	.00135	.02024	.00112	.0006	.00002	.00019	.295	.00012
%RSD	1.2736	12.050	.19167	2.1608	93.913	.05756	.36197	21.741	1.5662	6.7455
#1	.00114	.00101	.70433	.92225	.00040	1.0114	.00656	.00074	19.039	.00191
#2	.00112	.00119	.70624	.95087	.00199	1.0122	.00653	.00101	18.622	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01377**	**-.00027**	**.81307**	**-.00132**	**.00196**	**5.8455**	**12.509**	**.00042**	**.00527**	**.00121**
Stddev	.00094	.00209	.00949	.00118	.00106	.0339	.073	.00034	.00003	.00167
%RSD	6.7975	770.87	1.1669	89.074	54.260	.58037	.58037	80.572	.49783	138.00
#1	.01443	.00121	.81977	-.00215	.00121	5.8215	12.458	.00018	.00529	.00003
#2	.01311	-.00175	.80636	-.00049	.00271	5.8695	12.561	.00067	.00525	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**-.00010**	**.01417**	**.00100**	**.00831**	**.00258**
Stddev	.00010	.00029	.01271	.00013	.00014	.00164
%RSD	3.5292	285.16	89.707	12.760	1.7041	63.537
#1	.00277	.00010	.02315	.00109	.00841	.00375
#2	.00291	-.00030	.00518	.00091	.00821	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6927.1**	**99271.**	**5840.5**
Stddev	4.9	371.	25.9
%RSD	.07003	.37394	.44424
#1	6930.5	99008.	5858.8
#2	6923.7	99533.	5822.1

Sample Name: CCVH-2382126 Acquired: 11/15/2013 21:42:48 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00748**	**51.798**	**-.00142**	**.00173**	**.00091**	**-.00007**	**1.0434**	**.00680**	**.00063**	**-.00068**	**.00034**	**.02316**	**50.208**
Stddev	.00004	.200	.00165	.00014	.00009	.00000	.0029	.00045	.00022	.00018	.00014	.00031	.254
%RSD	.59592	.38620	116.57	7.7914	10.013	5.9710	.27932	6.6434	35.489	27.096	40.902	1.3373	.50632
#1	-.00745	51.656	-.00259	.00164	.00084	-.00007	1.0455	.00712	.00047	-.00055	.00024	.02338	50.028
#2	-.00752	51.939	-.00025	.00183	.00097	-.00007	1.0414	.00648	.00079	-.00081	.00043	.02294	50.388
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02002**	**.00188**	**.08618**	**.00118**	**.00075**	**269.19**	**-.00074**	**.00289**	**.00098**	**5.0268**	**-.00196**	**-.00594**	**.00581**
Stddev	.00469	.00052	.00219	.00009	.00016	.25	.00007	.00032	.00087	.0094	.00123	.00038	.00908
%RSD	23.427	27.663	2.5445	7.6502	21.104	.09459	8.8432	10.978	88.417	.18635	62.841	6.3601	156.42
#1	.01670	.00224	.08773	.00112	.00064	269.01	-.00079	.00266	.00160	5.0335	-.00283	-.00621	-.00062
#2	.02333	.00151	.08463	.00124	.00086	269.37	-.00070	.00311	.00037	5.0202	-.00109	-.00567	.01223
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01243**	**.00068**	**.00037**	**4.7958**	**.01598**	**.00225**	F **11.684**	**.00415**	**.00133**	**-.07636**
Stddev	.01944	.00058	.00010	.0087	.00035	.00191	.055	.00010	.00025	.00007
%RSD	156.42	85.024	28.359	.18069	2.2110	84.898	.47412	2.4010	18.517	.08707
#1	-.00132	.00027	.00029	4.7897	.01623	.00359	11.723	.00422	.00151	-.07631
#2	.02617	.00109	.00044	4.8020	.01573	.00090	11.645	.00408	.00116	-.07640
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6733.3**	**94527.**	**5669.3**
Stddev	1.8	198.	54.2
%RSD	.02683	.20958	.95626
#1	6734.6	94667.	5631.0
#2	6732.1	94387.	5707.6

Sample Name: CCV-2372889 Acquired: 11/15/2013 21:45:11 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49908**	**.52291**	**1.0309**	**.52114**	**.51107**	**.50069**	**-.01043**	**5.0987**	**.50838**	**.51385**	**.51797**	**.50675**	**2.5102**
Stddev	.00210	.00028	.0006	.00334	.00639	.00643	.00066	.0050	.00101	.00148	.00067	.00146	.0142
%RSD	.42115	.05428	.06123	.64049	1.2496	1.2837	6.3534	.09893	.19876	.28775	.12865	.28814	.56468
#1	.50056	.52311	1.0314	.51878	.50655	.49615	-.01090	5.0951	.50767	.51281	.51750	.50778	2.5002
#2	.49759	.52271	1.0305	.52350	.51558	.50524	-.00996	5.1023	.50910	.51490	.51844	.50572	2.5202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.809**	**1.0200**	**19.523**	**.50142**	**.51891**	**5.1044**	**.52341**	**1.0259**	**1.0629**	**.00076**	**1.0376**	**1.0459**	**4.9764**
Stddev	.421	.0120	.035	.00081	.00163	.0289	.00136	.0016	.0044	.00171	.0086	.0063	.0046
%RSD	.79697	1.1759	.17701	.16114	.31444	.56638	.26070	.15334	.41717	226.72	.83204	.60647	.09333
#1	52.511	1.0115	19.547	.50199	.52007	5.0840	.52245	1.0270	1.0661	-.00046	1.0437	1.0504	4.9797
#2	53.107	1.0285	19.498	.50085	.51776	5.1248	.52438	1.0248	1.0598	.00197	1.0315	1.0414	4.9732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.650**	**1.0350**	**.50314**	**.00583**	**.48634**	**1.0452**	**.02477**	**.49541**	**.48885**	**.49874**
Stddev	.010	.0031	.00692	.00015	.00222	.0049	.00326	.00177	.00464	.00290
%RSD	.09333	.29746	1.3750	2.6291	.45621	.46546	13.167	.35814	.94867	.58068
#1	10.657	1.0371	.49825	.00572	.48477	1.0486	.02708	.49416	.48557	.50079
#2	10.643	1.0328	.50804	.00594	.48791	1.0417	.02247	.49667	.49213	.49670
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6773.6**	**96394.**	**5680.2**
Stddev	6.6	107.	25.0
%RSD	.09717	.11136	.44061
#1	6778.2	96469.	5697.9
#2	6768.9	96318.	5662.5

Sample Name: CCB Acquired: 11/15/2013 21:47:20 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**-.00039**	**-.00034**	**.00021**	**-.00016**	**.00002**	**-.00055**	**-.00139**	**.00010**	**.00005**	**.00005**	**-.00075**
Stddev	.00005	.00036	.00056	.00011	.00000	.00012	.00080	.00009	.00004	.00011	.00007	.00010
%RSD	11.430	93.245	166.90	53.612	3.0405	497.26	145.58	6.1233	42.895	238.17	142.08	13.485
#1	-.00044	-.00013	-.00074	.00028	-.00016	-.00006	.00002	-.00133	.00007	-.00003	.00000	-.00067
#2	-.00052	-.00065	.00006	.00013	-.00015	.00011	-.00111	-.00146	.00013	.00012	.00010	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**.01030**	**.00047**	**-.00014**	**.00001**	**.00166**	**-.01442**	**.00014**	**.00106**	**.00067**	**.00291**	**.00236**
Stddev	.00157	.02852	.00134	.00325	.00003	.00041	.00177	.00005	.00043	.00160	.00179	.00044
%RSD	244.73	276.72	281.75	2285.3	329.78	24.495	12.269	34.090	40.704	239.52	61.587	18.429
#1	.00047	.03047	-.00047	.00216	.00003	.00138	-.01568	.00018	.00137	.00180	.00164	.00206
#2	-.00175	-.00986	.00142	-.00244	-.00001	.00195	-.01317	.00011	.00076	-.00046	.00417	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.01474**	**-.03154**	**.00062**	**.00005**	**.00022**	**.00001**	**-.00024**	**.00447**	**-.00020**	**.00235**	W **.00318**
Stddev	.00199	.00181	.00387	.00023	.00004	.00195	.00011	.00039	.02364	.00010	.00008	.00229
%RSD	2305.1	12.272	12.272	37.919	73.427	870.05	1115.9	159.96	529.27	51.167	3.2113	71.902
#1	.00150	-.01602	-.03427	.00045	.00008	-.00115	.00009	.00003	.02118	-.00013	.00230	.00156
#2	-.00132	-.01346	-.02880	.00078	.00003	.00160	-.00007	-.00052	-.01225	-.00027	.00241	.00479
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.2**	**99874.**	**5733.2**
Stddev	10.6	451.	6.6
%RSD	.15097	.45183	.11582
#1	6981.7	99555.	5728.5
#2	6996.6	100190.	5737.9

Sample Name: CCVL2383195 Acquired: 11/15/2013 21:49:40 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.11247**	**.01344**	**.10830**	**.01037**	**.00095**	**.12301**	**.21587**	**.00545**	**.01116**	**.01093**	**.01553**	F **.16142**
Stddev	.00035	.00038	.00131	.00117	.00011	.00009	.00185	.00153	.00010	.00022	.00012	.00002	.00121
%RSD	3.4311	.33829	9.7356	1.0764	1.0468	9.4699	1.5004	.70943	1.7978	1.9279	1.0615	.12072	.74955
#1	.00999	.11220	.01251	.10747	.01030	.00089	.12170	.21695	.00539	.01100	.01085	.01551	.16056
#2	.01048	.11274	.01436	.10912	.01045	.00102	.12431	.21478	.00552	.01131	.01101	.01554	.16228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1985**	**.01069**	**.21192**	**.01096**	**.02130**	**1.0495**	**.04394**	**3.1146**	**.01076**	**.00177**	**.01089**	**.01506**	**.52065**
Stddev	.0091	.00268	.00056	.00000	.00044	.0038	.00037	.0204	.00057	.00071	.00182	.00234	.00223
%RSD	.28551	25.066	.26268	.04253	2.0733	.36314	.84308	.65569	5.2798	40.096	16.700	15.559	.42756
#1	3.1920	.01259	.21152	.01096	.02098	1.0468	.04368	3.1002	.01117	.00127	.00961	.01341	.51907
#2	3.2049	.00880	.21231	.01097	.02161	1.0522	.04420	3.1291	.01036	.00227	.01218	.01672	.52222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1142**	**.11004**	**.01026**	**.01342**	**.01013**	**.01694**	F **.08848**	**.00963**	**.02281**	F **.01973**
Stddev	.0048	.00076	.00006	.00007	.00040	.00008	.01192	.00000	.00024	.00070
%RSD	.42756	.69384	.60589	.51416	3.9440	.48775	13.476	.01647	1.0355	3.5463
#1	1.1108	.10950	.01021	.01347	.01041	.01688	.08005	.00963	.02264	.02023
#2	1.1176	.11058	.01030	.01337	.00985	.01700	.09691	.00962	.02298	.01924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6990.2**	**100010.**	**5836.3**
Stddev	42.0	199.	10.9
%RSD	.60103	.19872	.18605
#1	7019.9	99870.	5844.0
#2	6960.5	100150.	5828.6

Sample Name: mb 280-200646/1-a Acquired: 11/15/2013 21:52:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00647**	**-.00084**	**.00017**	**.00047**	**.00007**	**-.00207**	**.03436**	**.00027**	**-.00018**
Stddev	.00002	.00002	.00060	.00032	.00001	.00004	.00244	.00791	.00003	.00013
%RSD	14.820	.23287	70.499	181.40	1.0774	58.003	117.68	23.024	10.634	69.208
#1	-.00013	.00645	-.00042	.00040	.00047	.00004	-.00379	.02877	.00025	-.00027
#2	-.00010	.00648	-.00127	-.00005	.00047	.00010	-.00035	.03996	.00029	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00035**	**.02164**	**.03072**	**.00146**	**.00277**	**.00015**	**.00023**	**.09153**	**.00004**
Stddev	.00013	.00008	.00564	.04651	.00054	.00062	.00002	.00001	.01689	.00025
%RSD	43.540	24.082	26.045	151.41	37.083	22.301	11.132	2.7441	18.458	638.44
#1	.00020	.00041	.01765	-.00217	.00184	.00233	.00017	.00022	.07958	-.00014
#2	.00038	.00029	.02563	.06361	.00107	.00321	.00014	.00023	.10348	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**.00097**	**.01868**	**-.00009**	**.00246**	**.01058**	**.02264**	**.01186**	**.00016**	**.00084**
Stddev	.00084	.00038	.00111	.00217	.00080	.00111	.00238	.00034	.00028	.00080
%RSD	11.009	39.096	5.9387	2518.2	32.411	10.525	10.525	2.8547	174.70	94.501
#1	.00704	.00070	.01946	-.00162	.00303	.00979	.02096	.01162	-.00004	.00140
#2	.00822	.00123	.01789	.00145	.00190	.01137	.02433	.01210	.00036	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00143**	**.01534**	**-.00049**	**.00402**	**.00467**
Stddev	.00022	.00021	.00996	.00011	.00044	.00020
%RSD	1164.5	15.051	64.914	23.277	10.987	4.2449
#1	-.00014	-.00158	.00830	-.00057	.00371	.00453
#2	.00018	-.00128	.02238	-.00041	.00433	.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.6**	**101270.**	**5823.5**
Stddev	6.6	399.	20.9
%RSD	.09529	.39368	.35953
#1	6929.9	100990.	5838.3
#2	6939.3	101550.	5808.7

Sample Name: lcs 280-200646/2-a Acquired: 11/15/2013 21:54:22 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04697**	**1.9403**	**1.0369**	**1.0126**	**1.9977**	**.04867**	**2.1238**	**47.918**	**.10006**	**.49419**
Stddev	.00039	.0085	.0095	.0071	.0056	.00028	.0124	.129	.00083	.00306
%RSD	.83959	.43598	.91453	.69873	.28271	.58171	.58142	.26881	.82451	.61819
#1	.04725	1.9343	1.0302	1.0076	2.0017	.04887	2.1151	48.009	.09948	.49203
#2	.04669	1.9463	1.0436	1.0176	1.9937	.04846	2.1326	47.827	.10065	.49635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20423**	**.25832**	**.98996**	**51.949**	**1.0070**	**47.729**	**.49024**	**1.0235**	**53.187**	**.50194**
Stddev	.00150	.00239	.00930	.138	.0058	.407	.00385	.0073	.248	.00317
%RSD	.73457	.92696	.93927	.26472	.57597	.85221	.78448	.71610	.46618	.63125
#1	.20316	.26002	.99653	52.046	1.0111	48.017	.49296	1.0183	53.363	.49970
#2	.20529	.25663	.98338	51.852	1.0029	47.442	.48752	1.0287	53.012	.50418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.272**	**.51060**	**.01395**	**.50672**	**2.0708**	F **1.7795**	**3.8082**	**2.0235**	**.98469**	**.95941**
Stddev	.053	.00396	.00073	.00335	.0187	.0193	.0414	.0155	.00156	.01515
%RSD	.51364	.77608	5.2119	.66061	.90112	1.0873	1.0873	.76507	.15822	1.5792
#1	10.234	.50780	.01447	.50436	2.0576	1.7932	3.8375	2.0125	.98579	.97012
#2	10.309	.51341	.01344	.50909	2.0839	1.7658	3.7789	2.0344	.98359	.94869
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						11.000				
Low Limit						9.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98172**	**1.9751**	F **2.4525**	**.49548**	**.47318**	**.47704**
Stddev	.00996	.0091	.0357	.00356	.00467	.00298
%RSD	1.0142	.46300	1.4537	.71850	.98603	.62406
#1	.98876	1.9687	2.4777	.49799	.47648	.47494
#2	.97468	1.9816	2.4273	.49296	.46989	.47915
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6636.4**	**93946.**	**5885.8**
Stddev	23.9	610.	13.7
%RSD	.36001	.64939	.23224
#1	6653.3	93515.	5876.2
#2	6619.5	94378.	5895.5

Sample Name: 280-49082-a-1-a Acquired: 11/15/2013 21:56:29 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**183.48**	**.06988**	**.19872**	**.46811**	**.01445**	W **-.05214**	**78.852**	**.00037**	**.10625**
Stddev	.00000	.16	.00058	.00177	.00044	.00019	.00050	.001	.00005	.00041
%RSD	2.4035	.08756	.82448	.88854	.09357	1.3104	.95740	.00164	12.370	.38407
#1	-.00011	183.60	.07028	.19997	.46842	.01458	-.05179	78.851	.00034	.10654
#2	-.00010	183.37	.06947	.19747	.46780	.01431	-.05250	78.853	.00040	.10596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33613**	**.21266**	**311.16**	**37.500**	**.23576**	**80.139**	**3.3098**	**.00493**	**4.5916**	**.33013**
Stddev	.00175	.00048	.42	.040	.00209	.212	.0402	.00046	.0235	.00326
%RSD	.52081	.22699	.13624	.10557	.88562	.26405	1.2137	9.3194	.51235	.98788
#1	.33737	.21300	311.46	37.472	.23724	79.990	3.2814	.00460	4.6082	.33243
#2	.33489	.21232	310.86	37.528	.23428	80.289	3.3382	.00525	4.5749	.32782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5210**	**.05726**	**.30311**	**.00115**	**.00246**	**3.2795**	**7.0182**	**.01537**	**.73587**	**.05985**
Stddev	.0112	.00061	.00420	.00208	.00066	.0361	.0772	.00026	.00147	.00231
%RSD	.44553	1.0667	1.3872	179.88	26.877	1.1006	1.1006	1.6658	.19992	3.8545
#1	2.5289	.05682	.30609	.00262	.00293	3.3051	7.0728	.01555	.73691	.05821
#2	2.5130	.05769	.30014	-.00031	.00199	3.2540	6.9636	.01519	.73483	.06148
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81333**	**-.00879**	F **-.31873**	**.38364**	**.33350**	**.05926**
Stddev	.00014	.00026	.00509	.00148	.00261	.00008
%RSD	.01731	2.9277	1.5956	.38619	.78222	.13456
#1	.81323	-.00897	-.32232	.38259	.33166	.05920
#2	.81343	-.00861	-.31513	.38468	.33535	.05931
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7308.8**	**102300.**	**6379.6**
Stddev	5.3	623.	24.0
%RSD	.07290	.60904	.37688
#1	7312.6	102740.	6396.6
#2	7305.1	101850.	6362.6

Sample Name: 280-49082-a-1-aSD@5 Acquired: 11/15/2013 21:58:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**39.498**	**.01420**	**.04574**	**.10136**	**.00306**	**-.01312**	**17.271**	**.00047**	**.02368**
Stddev	.00010	.001	.00056	.00059	.00076	.00001	.00041	.016	.00018	.00034
%RSD	106.26	.00130	3.9255	1.2830	.75377	.47432	3.1443	.09189	37.523	1.4225
#1	-.00002	39.498	.01459	.04532	.10081	.00305	-.01341	17.260	.00060	.02344
#2	-.00016	39.498	.01380	.04615	.10190	.00307	-.01283	17.283	.00035	.02392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07388**	**.04531**	**68.885**	**7.9668**	**.04958**	**17.591**	**.74171**	**.00061**	**.95478**	**.07480**
Stddev	.00054	.00073	.068	.0067	.00266	.022	.00069	.00013	.02372	.00096
%RSD	.73424	1.6072	.09815	.08447	5.3564	.12323	.09259	20.874	2.4844	1.2837
#1	.07349	.04582	68.838	7.9620	.04771	17.607	.74220	.00052	.93801	.07412
#2	.07426	.04479	68.933	7.9715	.05146	17.576	.74123	.00069	.97156	.07548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55122**	**.01376**	**.06854**	**-.00173**	**.00016**	**.67255**	**1.4393**	**.00489**	**.15935**	**.01196**
Stddev	.00564	.00014	.00579	.00035	.00335	.00380	.0081	.00050	.00019	.00085
%RSD	1.0237	.98133	8.4467	20.211	2114.4	.56466	.56466	10.232	.12141	7.1109
#1	.54723	.01366	.06445	-.00198	-.00221	.67523	1.4450	.00453	.15921	.01136
#2	.55521	.01386	.07263	-.00149	.00253	.66986	1.4335	.00524	.15949	.01256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17450**	**-.00212**	W **-.06197**	**.08255**	**.10462**	**.01478**
Stddev	.00019	.00139	.01260	.00047	.00061	.00141
%RSD	.11159	65.612	20.331	.57203	.58432	9.5088
#1	.17464	-.00310	-.07088	.08289	.10419	.01378
#2	.17436	-.00113	-.05306	.08222	.10506	.01577
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.1**	**100070.**	**5993.5**
Stddev	47.2	204.	79.7
%RSD	.66877	.20421	1.3296
#1	7090.5	99926.	5937.1
#2	7023.7	100220.	6049.8

Sample Name: 280-49082-a-1-b ms Acquired: 11/15/2013 22:01:06 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04451**	**418.47**	**.97197**	**1.1036**	**2.5208**	**.06299**	F **1.7511**	**107.93**	**.08829**	**.52423**
Stddev	.00046	1.72	.00418	.0045	.0029	.00039	.0066	.43	.00056	.00215
%RSD	1.0311	.41090	.43053	.41114	.11569	.62400	.37662	.39467	.63497	.41019
#1	.04419	417.26	.97493	1.1004	2.5188	.06271	1.7465	107.63	.08789	.52271
#2	.04484	419.69	.96901	1.1069	2.5229	.06327	1.7558	108.23	.08869	.52575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69268**	**.38805**	**384.85**	W **130.35**	**1.3494**	**133.17**	**3.3757**	**.78353**	**54.450**	**.79750**
Stddev	.00297	.00378	1.58	.56	.0033	.71	.0031	.00329	.215	.00359
%RSD	.42828	.97375	.40949	.42901	.24255	.53202	.09164	.42033	.39552	.45053
#1	.69058	.38538	383.74	129.95	1.3471	132.67	3.3779	.78120	54.298	.79496
#2	.69477	.39073	385.97	130.74	1.3517	133.67	3.3735	.78586	54.603	.80004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.456**	**.48091**	**.31798**	**.09368**	**1.6808**	**6.5128**	**13.937**	**1.5940**	**1.7690**	**.95238**
Stddev	.051	.00296	.00348	.00153	.0161	.0819	.175	.0099	.0005	.00730
%RSD	.44494	.61525	1.0941	1.6380	.95574	1.2583	1.2583	.62381	.02695	.76660
#1	11.420	.47882	.31552	.09476	1.6694	6.4548	13.813	1.5870	1.7687	.94722
#2	11.492	.48301	.32044	.09259	1.6921	6.5707	14.061	1.6011	1.7693	.95754
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9131**	**1.5094**	**1.7839**	**1.0594**	**.87016**	**.47582**
Stddev	.0144	.0065	.0185	.0089	.00286	.00176
%RSD	.75121	.42975	1.0356	.84456	.32852	.36967
#1	1.9030	1.5048	1.7970	1.0531	.86814	.47457
#2	1.9233	1.5139	1.7709	1.0658	.87218	.47706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7180.3**	**97069.**	**6384.7**
Stddev	17.1	80.	36.1
%RSD	.23813	.08239	.56617
#1	7192.4	97126.	6410.3
#2	7168.2	97013.	6359.2

Sample Name: 280-49082-a-1-c msd Acquired: 11/15/2013 22:03:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04457**	**369.62**	**.98128**	**1.0938**	**2.4510**	**.06115**	F **1.7836**	**88.972**	**.08857**	**.52036**
Stddev	.00014	2.31	.00344	.0012	.0099	.00026	.0003	.481	.00010	.00000
%RSD	.30569	.62602	.35055	.11093	.40561	.42273	.01704	.54081	.11500	.00073
#1	.04467	367.99	.98371	1.0929	2.4440	.06097	1.7834	88.632	.08864	.52037
#2	.04447	371.26	.97884	1.0946	2.4581	.06134	1.7839	89.312	.08850	.52036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64097**	**.34846**	**336.49**	W **121.37**	**1.3072**	**118.51**	**2.5216**	**.81071**	**53.872**	**.76549**
Stddev	.00044	.00131	1.82	.52	.0060	.53	.0255	.00001	.538	.00041
%RSD	.06854	.37560	.54225	.42667	.45807	.44891	1.0108	.00182	.99886	.05383
#1	.64128	.34938	335.20	121.00	1.3029	118.14	2.5396	.81070	53.492	.76520
#2	.64066	.34753	337.78	121.73	1.3114	118.89	2.5036	.81072	54.253	.76578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.247**	**.48821**	**.26624**	**.10634**	**1.7428**	**6.9458**	**14.864**	**1.6491**	**1.6622**	**.93735**
Stddev	.011	.00079	.00370	.00390	.0084	.0615	.132	.0038	.0066	.00500
%RSD	.09869	.16147	1.3897	3.6632	.48190	.88497	.88497	.23081	.39823	.53382
#1	11.254	.48765	.26885	.10359	1.7368	6.9023	14.771	1.6464	1.6575	.93381
#2	11.239	.48876	.26362	.10910	1.7487	6.9892	14.957	1.6518	1.6669	.94089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8088**	**1.5587**	**1.8134**	**.97678**	**.82119**	**.48529**
Stddev	.0066	.0029	.0209	.00235	.00068	.00234
%RSD	.36457	.18602	1.1501	.24027	.08311	.48130
#1	1.8135	1.5567	1.7986	.97844	.82167	.48364
#2	1.8042	1.5608	1.8281	.97512	.82071	.48694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7167.6**	**98284.**	**6334.1**
Stddev	2.0	54.	38.1
%RSD	.02778	.05472	.60163
#1	7166.2	98246.	6361.1
#2	7169.0	98322.	6307.2

Sample Name: CCVH-2382126 Acquired: 11/15/2013 22:05:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00701**	**50.696**	**.00217**	**.00493**	**.00092**	**-.00006**	W **1.0585**	**.01179**	**.00087**	**-.00058**	**.00026**	**.02343**
Stddev	.00031	.275	.00049	.00064	.00006	.00001	.0007	.00069	.00002	.00017	.00002	.00002
%RSD	4.4727	.54151	22.688	12.883	6.4232	20.830	.06466	5.8855	2.1437	29.909	9.7240	.10288
#1	-.00724	50.890	.00182	.00448	.00088	-.00007	1.0580	.01228	.00089	-.00070	.00027	.02345
#2	-.00679	50.502	.00252	.00538	.00096	-.00005	1.0590	.01130	.00086	-.00045	.00024	.02342
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.789**	**.14978**	**.00168**	**.10082**	**.00148**	**.00380**	**264.09**	**-.00093**	**.01025**	**.00194**	**5.0901**	**-.00433**
Stddev	.257	.01163	.00084	.00020	.00010	.00066	1.23	.00040	.00374	.00040	.0003	.00127
%RSD	.51689	7.7620	49.945	.19789	6.4687	17.338	.46709	43.477	36.497	20.788	.00491	29.313
#1	49.607	.14156	.00108	.10068	.00155	.00333	264.96	-.00064	.00760	.00222	5.0903	-.00343
#2	49.971	.15800	.00227	.10096	.00141	.00426	263.22	-.00122	.01289	.00165	5.0899	-.00523
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00834**	**.01784**	**.00101**	**.00050**	**4.8578**	**.01661**	**.00320**	F **11.776**	**.00411**	**.00124**	**-.07894**
Stddev	.00405	.00479	.01026	.00065	.00011	.0061	.00008	.00190	.006	.00038	.00034	.00164
%RSD	4457.2	57.488	57.488	64.204	21.550	.12601	.48815	59.509	.05338	9.2986	27.490	2.0836
#1	-.00296	.01172	.02509	.00055	.00058	4.8535	.01656	.00185	11.771	.00384	.00148	-.07778
#2	.00278	.00495	.01059	.00147	.00043	4.8622	.01667	.00454	11.780	.00438	.00100	-.08011
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6770.3**	**94858.**	**5792.3**
Stddev	9.2	519.	27.4
%RSD	.13625	.54706	.47365
#1	6763.8	94491.	5772.9
#2	6776.8	95225.	5811.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 22:08:12 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49872**	F **.70138**	**1.0299**	**.52322**	**.51494**	**.50327**	**-.00983**	**5.1092**	**.50782**	**.51108**	**.51530**	**.50870**	**2.5241**
Stddev	.00096	.23760	.0067	.00248	.00187	.00226	.00114	.0195	.00276	.00064	.00076	.00033	.0073
%RSD	.19292	33.877	.65277	.47484	.36382	.44908	11.608	.38160	.54382	.12602	.14712	.06485	.28712
#1	.49940	.53336	1.0347	.52497	.51361	.50167	-.00902	5.0954	.50977	.51153	.51583	.50893	2.5190
#2	.49804	.86939	1.0252	.52146	.51626	.50487	-.01063	5.1229	.50587	.51062	.51476	.50847	2.5292
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.116**	**1.0191**	**19.415**	**.49982**	**.51338**	**5.1875**	**.52092**	**1.0244**	**1.0540**	**.00457**	**1.0299**	**1.0450**	**4.9565**
Stddev	.286	.0064	.040	.00014	.00114	.0115	.00151	.0047	.0050	.00465	.0023	.0025	.0027
%RSD	.53813	.62715	.20517	.02767	.22236	.22160	.28896	.46256	.47118	101.57	.22307	.23981	.05529
#1	52.914	1.0146	19.387	.49992	.51419	5.1794	.51985	1.0211	1.0575	.00129	1.0315	1.0467	4.9546
#2	53.318	1.0236	19.443	.49973	.51257	5.1956	.52198	1.0278	1.0505	.00786	1.0283	1.0432	4.9585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.607**	**1.0226**	**.50751**	**.00600**	**.48594**	**1.0367**	**.00131**	**.49640**	**.48317**	**.50134**
Stddev	.006	.0025	.00119	.00035	.00074	.0058	.01745	.00028	.00108	.00114
%RSD	.05529	.24500	.23384	5.8715	.15306	.56124	1332.9	.05572	.22402	.22766
#1	10.603	1.0243	.50667	.00575	.48541	1.0408	.01365	.49621	.48393	.50053
#2	10.611	1.0208	.50835	.00624	.48647	1.0326	-.01103	.49660	.48240	.50215
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6854.8**	**97746.**	**5715.5**
Stddev	10.1	173.	28.0
%RSD	.14739	.17653	.49032
#1	6847.6	97624.	5695.7
#2	6861.9	97868.	5735.3

Sample Name: CCB Acquired: 11/15/2013 22:10:20 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00267**	**.00039**	**.00158**	**.00029**	**.00007**	**-.00085**	**.00486**	**.00013**	**-.00006**	**.00013**	**-.00089**
Stddev	.00024	.00024	.00193	.00014	.00011	.00010	.00121	.00133	.00009	.00015	.00012	.00001
%RSD	37.601	9.1423	494.55	9.0009	36.732	129.93	142.23	27.345	71.171	240.18	96.268	1.2753
#1	-.00080	.00284	-.00097	.00168	.00021	.00001	-.00170	.00580	.00007	.00004	.00021	-.00090
#2	-.00046	.00249	.00175	.00148	.00036	.00014	.00000	.00392	.00020	-.00017	.00004	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01890**	**.04544**	**.00119**	**.00277**	**.00013**	**.00157**	**-.01495**	**.00010**	**-.00115**	**.00090**	**.00236**	W **.00347**
Stddev	.00219	.03568	.00125	.00056	.00001	.00050	.00952	.00035	.00077	.00099	.00067	.00080
%RSD	11.595	78.527	104.98	20.135	9.9090	31.926	63.647	332.71	66.925	110.36	28.440	23.057
#1	.01735	.07067	.00031	.00316	.00014	.00122	-.00822	.00035	-.00060	.00160	.00284	.00290
#2	.02045	.02021	.00207	.00237	.00012	.00193	-.02168	-.00014	-.00169	.00020	.00189	.00403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00334**	**-.01281**	**-.02741**	**.00031**	**.00018**	**-.00039**	**.00007**	**.00114**	**-.00206**	**-.00019**	**.00229**	W **.00380**
Stddev	.00204	.01785	.03820	.00016	.00008	.00124	.00031	.00033	.02501	.00002	.00029	.00017
%RSD	60.923	139.38	139.38	51.979	45.756	315.76	468.65	29.163	1216.1	8.1878	12.850	4.5986
#1	.00478	-.00018	-.00040	.00020	.00024	-.00127	-.00015	.00137	.01563	-.00020	.00250	.00393
#2	.00190	-.02543	-.05442	.00043	.00012	.00049	.00028	.00090	-.01974	-.00018	.00208	.00368
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6995.4**	**100330.**	**5768.0**
Stddev	.5	376.	32.2
%RSD	.00757	.37515	.55907
#1	6995.1	100070.	5790.8
#2	6995.8	100600.	5745.2

Sample Name: CCVL2383195 Acquired: 11/15/2013 22:12:40 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01030**	**.11077**	**.01534**	**.10759**	**.01055**	**.00107**	**.12208**	**.21254**	**.00544**	**.01079**	**.01058**	**.01556**	**.10487**	**3.2582**
Stddev	.00003	.00068	.00001	.00039	.00001	.00013	.00165	.00534	.00026	.00005	.00003	.00005	.00059	.0013
%RSD	.33620	.61344	.05158	.36443	.11631	12.320	1.3519	2.5147	4.8463	.48901	.26848	.30545	.55896	.03847
#1	.01032	.11125	.01533	.10731	.01054	.00116	.12091	.20876	.00525	.01075	.01060	.01553	.10528	3.2573
#2	.01027	.11029	.01534	.10787	.01056	.00097	.12324	.21632	.00563	.01083	.01056	.01560	.10445	3.2590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01185**	**.20682**	**.01042**	**.02064**	**1.0376**	**.04375**	**3.0706**	**.01057**	**.00212**	**.01090**	**.01574**	**.50807**	**1.0873**	**.10943**
Stddev	.00084	.00371	.00003	.00018	.0269	.00002	.0062	.00054	.00232	.00079	.00240	.00256	.0055	.00001
%RSD	7.1064	1.7914	.31757	.86137	2.5933	.03721	.20212	5.1242	109.07	7.2815	15.255	.50320	.50320	.01181
#1	.01126	.20944	.01040	.02052	1.0186	.04376	3.0662	.01019	.00376	.01034	.01404	.50626	1.0834	.10942
#2	.01245	.20420	.01045	.02077	1.0567	.04374	3.0750	.01095	.00049	.01146	.01743	.50988	1.0911	.10944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.01459**	**.00985**	**.01662**	**.06239**	**.00977**	**.02248**	**.01904**
Stddev	.00016	.00159	.00001	.00044	.00011	.00048	.00036	.00076
%RSD	1.6097	10.902	.07286	2.6357	.17797	4.9578	1.6216	3.9853
#1	.01009	.01571	.00985	.01693	.06247	.00943	.02222	.01958
#2	.01032	.01346	.00986	.01631	.06231	.01011	.02274	.01850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7041.0**	**100400.**	**5720.3**
Stddev	17.1	702.	2.2
%RSD	.24305	.69941	.03921
#1	7053.1	99903.	5721.9
#2	7028.9	100900.	5718.7

Sample Name: 280-49126-a-1-a Acquired: 11/15/2013 22:15:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**164.90**	**.02751**	**.04827**	**1.8684**	**.00480**	W **-.06215**	**143.42**	**.00150**	**.07199**
Stddev	.00045	.46	.00289	.00026	.0075	.00012	.00165	.25	.00005	.00068
%RSD	27.812	.27614	10.492	.54404	.40169	2.5269	2.6610	.17144	3.1486	.95031
#1	-.00130	164.58	.02547	.04845	1.8631	.00471	-.06332	143.24	.00146	.07247
#2	-.00193	165.23	.02955	.04808	1.8737	.00488	-.06099	143.59	.00153	.07150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10984**	**.23146**	**207.17**	**54.376**	**.09504**	**32.503**	**2.6588**	**.00328**	W **10.518**	**11.521**
Stddev	.00048	.00112	.64	.160	.00048	.087	.0181	.00038	.016	.017
%RSD	.43257	.48282	.30811	.29390	.50478	.26617	.68060	11.609	.14916	.15015
#1	.11018	.23225	206.72	54.263	.09470	32.565	2.6716	.00301	10.507	11.509
#2	.10951	.23067	207.62	54.489	.09538	32.442	2.6460	.00355	10.529	11.533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06577**	W **7.2523**	**.12045**	**2.4251**	**-.00067**	**.00357**	**2.3990**	**5.1339**	**.01767**	**2.4739**
Stddev	.00081	.0175	.00111	.0047	.00062	.00376	.0358	.0765	.00044	.0084
%RSD	1.2351	.24161	.91995	.19325	92.483	105.21	1.4908	1.4908	2.4852	.34174
#1	.06634	7.2399	.12124	2.4284	-.00023	.00623	2.3737	5.0798	.01798	2.4679
#2	.06519	7.2646	.11967	2.4218	-.00111	.00091	2.4243	5.1880	.01736	2.4799
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03254**	**3.3685**	**-.00801**	F **-.28554**	**.53660**	**.50206**	**.30833**
Stddev	.00013	.0031	.00273	.00799	.00112	.00043	.00048
%RSD	.39653	.09136	34.124	2.7998	.20838	.08530	.15612
#1	.03245	3.3707	-.00608	-.29119	.53739	.50236	.30867
#2	.03263	3.3663	-.00994	-.27989	.53580	.50176	.30799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7500.7**	**105310.**	**6548.8**
Stddev	5.1	244.	11.8
%RSD	.06835	.23153	.17971
#1	7504.4	105140.	6540.5
#2	7497.1	105480.	6557.1

Sample Name: 280-49126-a-2-a Acquired: 11/15/2013 22:17:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**179.74**	**.04011**	**.05041**	**2.1230**	**.00529**	W **-.07126**	**248.50**	**.00299**	**.08036**
Stddev	.00040	.56	.00012	.00000	.0066	.00002	.00003	4.83	.00013	.00030
%RSD	31.211	.31115	.28725	.00436	.30876	.34707	.04474	1.9453	4.2836	.36886
#1	-.00155	179.34	.04019	.05042	2.1183	.00527	-.07124	245.08	.00290	.08015
#2	-.00099	180.13	.04003	.05041	2.1276	.00530	-.07128	251.92	.00308	.08057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14385**	**.27491**	**253.81**	**52.928**	**.11906**	**40.499**	**4.9670**	**.00573**	**44.459**	**.10332**
Stddev	.00068	.00049	1.42	.273	.00316	.026	.0439	.00006	.335	.00077
%RSD	.47171	.17953	.56064	.51669	2.6565	.06312	.88440	1.0949	.75392	.74950
#1	.14337	.27456	252.80	52.735	.12130	40.481	4.9981	.00577	44.222	.10277
#2	.14433	.27526	254.81	53.122	.11683	40.517	4.9359	.00568	44.696	.10386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.4406**	**.27960**	**3.5957**	**-.00042**	**.00173**	**2.9541**	**6.3217**	**.02147**	**2.4505**	**.05193**
Stddev	.0098	.00161	.0050	.00104	.00358	.0043	.0091	.00043	.0055	.00065
%RSD	.15197	.57682	.14010	248.05	207.38	.14390	.14390	2.0006	.22246	1.2431
#1	6.4337	.27846	3.5921	-.00116	-.00081	2.9571	6.3281	.02177	2.4466	.05238
#2	6.4475	.28074	3.5992	.00032	.00426	2.9511	6.3153	.02116	2.4543	.05147
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7356**	**-.00799**	F **-.31128**	**.57037**	**.93168**	**.29887**
Stddev	.0074	.00025	.00181	.00018	.00525	.00173
%RSD	.19902	3.1160	.58078	.03136	.56347	.57731
#1	3.7304	-.00782	-.31000	.57050	.92797	.29765
#2	3.7409	-.00817	-.31256	.57024	.93539	.30009
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7397.9**	**102310.**	**6647.1**
Stddev	23.3	297.	42.0
%RSD	.31449	.29059	.63197
#1	7414.4	102100.	6676.8
#2	7381.5	102520.	6617.4

Sample Name: 280-49126-a-3-a Acquired: 11/15/2013 22:19:43 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04927**	**104.54**	**.06972**	**.03884**	**8.3084**	**.00938**	F **-.11025**	**31.379**	**.03961**	**.08337**
Stddev	.00011	.37	.00071	.00028	.0253	.00008	.00019	.101	.00036	.00050
%RSD	.22720	.35810	1.0201	.72515	.30482	.88809	.17644	.32200	.89989	.60271
#1	.04919	104.80	.07022	.03864	8.2905	.00932	-.11039	31.450	.03936	.08301
#2	.04935	104.27	.06921	.03904	8.3263	.00944	-.11011	31.307	.03986	.08372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27497**	W **21.639**	W **543.12**	**14.614**	**.07137**	**24.023**	**2.8304**	**.06378**	**2.0744**	**.28041**
Stddev	.00122	.193	1.21	.140	.00024	.121	.0114	.00002	.0057	.00176
%RSD	.44187	.89284	.22358	.95456	.34233	.50458	.40233	.03755	.27740	.62630
#1	.27411	21.775	543.98	14.712	.07119	23.938	2.8384	.06380	2.0785	.27917
#2	.27583	21.502	542.26	14.515	.07154	24.109	2.8223	.06377	2.0703	.28165
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.226**	**2.6643**	**9.5804**	**.00858**	**.00508**	**2.8275**	**6.0508**	**.42766**	**1.8574**	F **-.02738**
Stddev	.025	.0038	.0106	.00148	.00055	.0077	.0164	.00269	.0006	.00299
%RSD	.20142	.14360	.11080	17.253	10.761	.27181	.27181	.62901	.03115	10.915
#1	12.208	2.6616	9.5729	.00753	.00547	2.8329	6.0624	.42576	1.8578	-.02949
#2	12.243	2.6670	9.5879	.00962	.00470	2.8220	6.0392	.42956	1.8570	-.02527
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	2.0000									50.000
Low Limit	-1.0000									-.02000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0634**	W **-.01923**	F **-.16712**	**.35629**	W **10.798**	**.12430**
Stddev	.0080	.00004	.00160	.00116	.048	.00117
%RSD	.26247	.19660	.95798	.32650	.44661	.93935
#1	3.0577	-.01926	-.16599	.35546	10.763	.12513
#2	3.0691	-.01920	-.16825	.35711	10.832	.12348
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7173.8**	**100970.**	**6313.7**
Stddev	7.1	331.	44.5
%RSD	.09875	.32792	.70530
#1	7178.8	101200.	6282.3
#2	7168.7	100730.	6345.2

Sample Name: 280-49126-a-4-a Acquired: 11/15/2013 22:22:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**105.67**	**.02916**	**.01993**	**1.2511**	**.00289**	W **-.05885**	**68.964**	**.00818**	**.06871**
Stddev	.00017	1.11	.00045	.00050	.0146	.00002	.00133	.726	.00022	.00032
%RSD	152.97	1.0536	1.5487	2.4991	1.1674	.77518	2.2604	1.0532	2.7120	.46570
#1	.00023	104.88	.02948	.01958	1.2408	.00287	-.05979	68.450	.00834	.06849
#2	-.00001	106.46	.02884	.02028	1.2614	.00290	-.05791	69.477	.00803	.06894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09534**	**1.4462**	**178.99**	**16.505**	**.06598**	**27.106**	**3.4574**	**.00301**	**2.1142**	**.08252**
Stddev	.00065	.0175	2.22	.153	.00230	.348	.0108	.00036	.0586	.00014
%RSD	.67904	1.2093	1.2414	.92617	3.4790	1.2839	.31196	12.056	2.7720	.17545
#1	.09488	1.4338	177.42	16.397	.06435	26.860	3.4498	.00276	2.0727	.08242
#2	.09579	1.4586	180.56	16.613	.06760	27.352	3.4651	.00327	2.1556	.08263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.3767**	**1.0279**	**1.2747**	**-.00167**	**.00232**	**2.9245**	**6.2583**	**.01921**	**1.2169**	**.03427**
Stddev	.0097	.0009	.0025	.00174	.00231	.0925	.1979	.00034	.0150	.00134
%RSD	.15269	.08549	.19925	104.22	99.334	3.1614	3.1614	1.7588	1.2335	3.9059
#1	6.3836	1.0273	1.2765	-.00044	.00069	2.8591	6.1184	.01897	1.2063	.03332
#2	6.3698	1.0286	1.2729	-.00291	.00396	2.9898	6.3982	.01945	1.2275	.03522
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1329**	**-.00710**	F **-.18924**	**.38387**	**5.7799**	**.16795**
Stddev	.0371	.00114	.00360	.00541	.0742	.00226
%RSD	1.1827	16.094	1.9038	1.4103	1.2844	1.3440
#1	3.1067	-.00791	-.19179	.38005	5.7274	.16635
#2	3.1591	-.00630	-.18670	.38770	5.8324	.16955
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7349.8**	**105000.**	**6646.7**
Stddev	10.2	311.	46.1
%RSD	.13854	.29591	.69403
#1	7342.6	105220.	6679.3
#2	7357.0	104780.	6614.1

Sample Name: 280-49126-a-5-a Acquired: 11/15/2013 22:25:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03037**	**79.984**	**.09051**	**.15440**	**1.4573**	**.00249**	W **-.05929**	**229.20**	**.03800**	**.08127**
Stddev	.00020	.002	.00146	.00043	.0022	.00001	.00245	.27	.00024	.00060
%RSD	.66777	.00270	1.6136	.27770	.14919	.34437	4.1363	.11692	.64221	.73710
#1	.03051	79.985	.08948	.15471	1.4558	.00250	-.06102	229.39	.03783	.08084
#2	.03022	79.982	.09154	.15410	1.4588	.00249	-.05755	229.01	.03818	.08169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30073**	**6.3630**	**374.92**	**16.506**	**.16128**	**42.619**	**3.2713**	**.04370**	**6.1234**	**.47740**
Stddev	.00110	.0031	1.12	.085	.00073	.020	.0159	.00034	.0231	.00218
%RSD	.36548	.04800	.29923	.51197	.45135	.04715	.48732	.78591	.37758	.45744
#1	.29996	6.3652	374.13	16.447	.16077	42.633	3.2826	.04346	6.1398	.47585
#2	.30151	6.3609	375.71	16.566	.16180	42.605	3.2601	.04394	6.1071	.47894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.8187**	**2.2143**	**4.4722**	**.01001**	**.00660**	**2.7653**	**5.9177**	**1.9849**	**.73347**	W **-.01742**
Stddev	.0033	.0095	.0275	.00083	.00073	.0314	.0671	.0119	.00023	.00114
%RSD	.04828	.42664	.61557	8.2601	11.125	1.1345	1.1345	.59855	.03144	6.5658
#1	6.8164	2.2076	4.4527	.00943	.00608	2.7875	5.9652	1.9765	.73330	-.01661
#2	6.8211	2.2210	4.4916	.01060	.00712	2.7431	5.8703	1.9933	.73363	-.01823
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	2.0000									45.000
Low Limit	-1.0000									-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6094**	W **-.01350**	F **-.13632**	**.25329**	W **16.331**	**.08706**
Stddev	.0030	.00031	.01748	.00041	.000	.00173
%RSD	.18643	2.2796	12.820	.16206	.00258	1.9924
#1	1.6072	-.01372	-.14868	.25358	16.331	.08583
#2	1.6115	-.01329	-.12396	.25300	16.331	.08829
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6913.0**	**98876.**	**6276.2**
Stddev	7.1	55.	36.9
%RSD	.10286	.05533	.58815
#1	6918.1	98838.	6250.1
#2	6908.0	98915.	6302.3

Sample Name: CCVH-2382126 Acquired: 11/15/2013 22:27:32 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00758**	**49.882**	**.00039**	**.00133**	**.00068**	**-.00018**	W **1.0511**	**.06490**	**.00075**	**-.00072**	**.00024**	**.02382**
Stddev	.00023	.083	.00007	.00015	.00018	.00005	.0004	.02664	.00003	.00008	.00007	.00020
%RSD	3.0188	.16546	16.870	11.124	26.986	25.969	.04142	41.054	4.4702	10.657	29.990	.83262
#1	-.00741	49.823	.00035	.00123	.00081	-.00021	1.0508	.08374	.00078	-.00077	.00019	.02396
#2	-.00774	49.940	.00044	.00144	.00055	-.00015	1.0514	.04606	.00073	-.00067	.00029	.02368
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.361**	**.00457**	**.00223**	**.09171**	**.00179**	**.00057**	**262.45**	**-.00060**	**.00950**	**.00199**	**5.0607**	**-.00265**
Stddev	.591	.00080	.00231	.00082	.00007	.00025	.85	.00008	.00042	.00067	.0012	.00023
%RSD	1.1966	17.413	103.54	.88943	4.1585	42.895	.32372	13.343	4.4048	33.653	.02392	8.6682
#1	48.944	.00513	.00060	.09229	.00185	.00040	261.85	-.00055	.00980	.00246	5.0616	-.00248
#2	49.779	.00400	.00386	.09113	.00174	.00075	263.05	-.00066	.00921	.00151	5.0599	-.00281
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00713**	**.00669**	**.01432**	**.00162**	**.00056**	W **4.7464**	**.01687**	**.00145**	F **11.618**	**.00367**	**.00396**	**-.07335**
Stddev	.00004	.00103	.00220	.00056	.00022	.0025	.00001	.00213	.028	.00026	.00006	.00229
%RSD	.60039	15.377	15.377	34.778	38.588	.05281	.08417	147.40	.24486	7.0959	1.4633	3.1166
#1	-.00710	.00597	.01277	.00202	.00071	4.7447	.01688	-.00006	11.638	.00386	.00400	-.07497
#2	-.00716	.00742	.01588	.00123	.00041	4.7482	.01686	.00296	11.598	.00349	.00392	-.07174
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.0**	**98091.**	**5985.2**
Stddev	7.1	294.	32.3
%RSD	.10193	.29935	.54036
#1	6939.0	98299.	6008.1
#2	6929.0	97884.	5962.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 22:29:58 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49829**	**.52351**	**1.0320**	**.52367**	**.50932**	**.49932**	**-.01036**	**5.0813**	**.50752**	**.50948**	**.51383**	**.50920**	**2.5141**
Stddev	.00094	.00069	.0019	.00282	.00183	.00263	.00100	.0029	.00056	.00020	.00008	.00001	.0174
%RSD	.18903	.13164	.18044	.53787	.35919	.52685	9.6817	.05634	.11091	.03901	.01637	.00223	.69348
#1	.49763	.52400	1.0334	.52566	.50803	.49746	-.01107	5.0793	.50712	.50962	.51389	.50919	2.5264
#2	.49896	.52302	1.0307	.52167	.51062	.50118	-.00965	5.0834	.50792	.50934	.51377	.50921	2.5018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.520**	**1.0137**	**19.133**	**.49295**	**.51756**	**5.1902**	**.52522**	**1.0275**	**1.0598**	**.00554**	**1.0457**	**1.0546**	**4.9273**
Stddev	.391	.0021	.067	.00107	.00033	.0076	.00024	.0003	.0035	.00084	.0038	.0076	.0137
%RSD	.74379	.20492	.35141	.21801	.06460	.14671	.04529	.02899	.32909	15.206	.35930	.72360	.27754
#1	52.243	1.0123	19.086	.49219	.51732	5.1956	.52505	1.0273	1.0574	.00614	1.0430	1.0492	4.9370
#2	52.796	1.0152	19.181	.49371	.51780	5.1848	.52538	1.0278	1.0623	.00494	1.0483	1.0600	4.9176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.544**	**1.0302**	**.50146**	**.00480**	**.47995**	**1.0435**	**.01550**	**.49089**	**.47407**	**.49667**
Stddev	.029	.0005	.00193	.00001	.00096	.0018	.00057	.00050	.00027	.00640
%RSD	.27754	.04604	.38559	.19158	.19909	.16772	3.6799	.10197	.05778	1.2891
#1	10.565	1.0305	.50009	.00480	.47928	1.0423	.01510	.49053	.47387	.50120
#2	10.524	1.0298	.50283	.00481	.48063	1.0448	.01590	.49124	.47426	.49214
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6943.8**	**99625.**	**5863.5**
Stddev	7.2	599.	58.8
%RSD	.10415	.60150	1.0020
#1	6938.7	100050.	5905.1
#2	6948.9	99202.	5822.0

Sample Name: CCB Acquired: 11/15/2013 22:32:06 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00737**	**.00132**	**.00042**	**.00008**	**.00012**	**-.00045**	**.01102**	**.00031**	**.00016**	**.00019**	**-.00046**
Stddev	.00036	.00035	.00016	.00001	.00003	.00013	.00048	.00288	.00005	.00012	.00007	.00019
%RSD	125.73	4.7888	12.289	1.6291	31.908	103.24	106.08	26.126	17.603	73.245	36.213	42.062
#1	.00053	.00762	.00121	.00042	.00010	.00021	-.00079	.01306	.00035	.00025	.00014	-.00060
#2	.00003	.00712	.00144	.00043	.00006	.00003	-.00011	.00899	.00027	.00008	.00024	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01624**	**.05755**	**-.00053**	**.00368**	W **.00026**	**.00149**	**-.02285**	**-.00005**	**.00111**	**.00130**	**.00435**	**.00270**
Stddev	.00379	.00687	.00071	.00171	.00003	.00051	.00436	.00001	.00061	.00049	.00228	.00010
%RSD	23.369	11.933	133.70	46.383	10.572	33.971	19.092	23.309	55.100	38.002	52.409	3.6371
#1	.01892	.05270	-.00104	.00489	.00028	.00113	-.02593	-.00005	.00154	.00165	.00596	.00263
#2	.01355	.06241	-.00003	.00248	.00024	.00185	-.01976	-.00004	.00068	.00095	.00274	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00025							
Low Limit					-.00025							

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	**-.00589**	**-.01260**	**-.00002**	**.00016**	**.00067**	**.00017**	**-.00056**	**-.01377**	**-.00031**	**.00257**	W **.00340**
Stddev	.00061	.00646	.01382	.00031	.00009	.00016	.00012	.00091	.02387	.00032	.00010	.00023
%RSD	21.651	109.72	109.72	1252.7	60.121	24.113	71.707	161.56	173.32	104.85	3.9223	6.8442
#1	.00324	-.00132	-.00282	-.00024	.00022	.00078	.00008	-.00121	-.03065	-.00008	.00264	.00357
#2	.00238	-.01045	-.02237	.00019	.00009	.00056	.00025	.00008	.00311	-.00054	.00250	.00324
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7101.5**	**102920.**	**5915.2**
Stddev	9.2	973.	9.7
%RSD	.12957	.94529	.16437
#1	7095.0	103610.	5908.4
#2	7108.0	102230.	5922.1

Sample Name: CCVL2383195 Acquired: 11/15/2013 22:34:26 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00964**	**.12015**	**.01609**	**.10559**	**.01042**	**.00100**	**.12239**	**.21769**	**.00551**	**.01081**	**.01064**	**.01519**	**.11625**	**3.2017**
Stddev	.00004	.00455	.00124	.00002	.00014	.00002	.00170	.00331	.00005	.00013	.00003	.00022	.00027	.0259
%RSD	.45974	3.7828	7.6918	.01631	1.3332	2.0018	1.3905	1.5183	.98704	1.1822	.32298	1.4751	.23511	.80898
#1	.00967	.11694	.01522	.10558	.01051	.00101	.12119	.21535	.00547	.01091	.01061	.01503	.11606	3.1834
#2	.00961	.12337	.01697	.10561	.01032	.00098	.12359	.22002	.00555	.01072	.01066	.01535	.11644	3.2200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.20851**	**.01039**	**.02069**	**1.0239**	**.04344**	**3.0592**	**.01069**	**.00354**	**.01044**	**.01736**	**.49375**	**1.0566**	**.10854**
Stddev	.00081	.00090	.00006	.00024	.0036	.00045	.0098	.00010	.00031	.00082	.00103	.01359	.0291	.00038
%RSD	8.2241	.43342	.57117	1.1674	.34791	1.0384	.31969	.96978	8.7545	7.8242	5.9385	2.7514	2.7514	.35279
#1	.00933	.20915	.01043	.02086	1.0264	.04376	3.0661	.01077	.00332	.00986	.01809	.48414	1.0361	.10881
#2	.01049	.20787	.01035	.02052	1.0214	.04312	3.0523	.01062	.00376	.01102	.01663	.50336	1.0772	.10826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.01414**	**.01000**	**.01626**	**.07652**	**.00921**	**.02299**	**.01848**
Stddev	.00012	.00090	.00019	.00081	.03647	.00022	.00046	.00247
%RSD	1.1757	6.3327	1.8674	5.0034	47.666	2.4077	1.9824	13.341
#1	.01019	.01351	.01013	.01569	.10231	.00905	.02266	.02022
#2	.01036	.01478	.00987	.01684	.05073	.00937	.02331	.01674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7125.7**	**102540.**	**5997.7**
Stddev	10.0	172.	114.3
%RSD	.14049	.16790	1.9060
#1	7118.6	102660.	6078.5
#2	7132.8	102420.	5916.8

Sample Name: mb 280-198991/1-a Acquired: 11/15/2013 22:36:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.02379**	**-.00185**	**.00002**	**.00001**	**-.00001**	**-.00055**	**.02022**	**.00019**	**.00015**
Stddev	.00044	.00023	.00125	.00040	.00008	.00001	.00029	.00219	.00024	.00008
%RSD	185.03	.95670	67.383	2164.8	535.22	77.186	52.965	10.844	127.41	55.306
#1	-.00055	.02395	-.00097	-.00026	.00007	-.00002	-.00034	.02177	.00037	.00021
#2	.00007	.02363	-.00273	.00030	-.00004	-.00001	-.00075	.01867	.00002	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00036**	**.03783**	**-.03559**	**.00348**	**.00175**	**.00042**	**.00039**	**-.01606**	**-.00001**
Stddev	.00005	.00006	.00279	.00125	.00011	.00033	.00003	.00016	.00173	.00009
%RSD	140.35	15.937	7.3853	3.5165	3.0364	18.814	6.4911	41.345	10.788	1138.0
#1	.00000	-.00040	.03586	-.03647	.00355	.00152	.00044	.00027	-.01483	-.00007
#2	.00007	-.00032	.03981	-.03470	.00340	.00198	.00040	.00050	-.01728	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00396**	**.00080**	**.01016**	**.00121**	**.00166**	**-.00569**	**-.01217**	**.00062**	**.00011**	**.00167**
Stddev	.00174	.00092	.00088	.00174	.00082	.00410	.00877	.00046	.00005	.00021
%RSD	43.999	115.32	8.6207	144.02	49.492	72.089	72.089	73.911	49.305	12.570
#1	.00273	.00145	.01078	.00245	.00108	-.00279	-.00596	.00030	.00007	.00182
#2	.00519	.00015	.00954	-.00002	.00224	-.00858	-.01837	.00095	.00015	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00158**	**-.00662**	**-.00031**	**.00424**	**.00274**
Stddev	.00038	.00013	.00646	.00024	.00000	.00077
%RSD	535.29	8.0207	97.553	77.456	.00278	28.107
#1	-.00034	-.00149	-.00205	-.00049	.00424	.00328
#2	.00020	-.00167	-.01119	-.00014	.00424	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6995.7**	**101100.**	**5891.4**
Stddev	12.1	82.	17.6
%RSD	.17349	.08107	.29911
#1	7004.2	101050.	5878.9
#2	6987.1	101160.	5903.8

Sample Name: mb 280-199654/1-a Acquired: 11/15/2013 22:39:08 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00636**	**-.00263**	**-.00053**	**.00001**	**.00002**	**-.00264**	**.01902**	**.00026**	**.00002**
Stddev	.00001	.00131	.00248	.00013	.00016	.00001	.00124	.00111	.00015	.00013
%RSD	2.9331	20.576	94.253	24.070	1374.5	54.298	46.809	5.8280	56.189	600.28
#1	-.00038	.00729	-.00438	-.00062	.00013	.00002	-.00177	.01981	.00016	.00011
#2	-.00037	.00544	-.00088	-.00044	-.00010	.00001	-.00351	.01824	.00036	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00017**	**.03091**	**.02167**	**.00069**	**.00252**	**.00031**	**-.00020**	**-.03087**	**-.00016**
Stddev	.00013	.00009	.00200	.01122	.00188	.00274	.00001	.00015	.01569	.00002
%RSD	292.42	54.724	6.4760	51.781	273.53	108.78	2.7354	74.264	50.839	14.815
#1	-.00005	-.00023	.03232	.02961	-.00064	.00446	.00032	-.00031	-.01977	-.00015
#2	.00013	-.00010	.02949	.01374	.00202	.00058	.00031	-.00010	-.04197	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00084**	**.00969**	**-.00052**	**.00068**	**-.00086**	**-.00184**	**.00061**	**.00008**	**.00090**
Stddev	.00035	.00023	.00025	.00024	.00004	.00165	.00353	.00000	.00005	.00116
%RSD	25.753	27.754	2.5835	47.117	6.2241	191.29	191.29	.75727	55.379	129.44
#1	.00162	.00100	.00987	-.00035	.00071	-.00203	-.00434	.00061	.00012	.00008
#2	.00112	.00067	.00951	-.00069	.00065	.00030	.00065	.00060	.00005	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00020**	**.01062**	**-.00034**	**.00470**	**.00339**
Stddev	.00032	.00005	.02735	.00052	.00014	.00067
%RSD	746.54	23.143	257.45	152.89	3.0710	19.680
#1	-.00018	.00023	.02996	.00003	.00460	.00292
#2	.00027	.00017	-.00872	-.00071	.00480	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7107.4**	**103550.**	**5968.0**
Stddev	13.0	114.	46.2
%RSD	.18346	.10963	.77458
#1	7116.6	103470.	6000.7
#2	7098.2	103630.	5935.3

Sample Name: lcs 280-199654/2-a Acquired: 11/15/2013 22:41:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05157**	**1.9571**	**1.0737**	**1.0695**	**2.0664**	**.04988**	**2.2182**	**49.961**	**.10320**	**.50180**
Stddev	.00010	.0013	.0047	.0086	.0010	.00049	.0163	.053	.00113	.00061
%RSD	.18647	.06849	.43378	.80189	.04711	.97899	.73308	.10562	1.0910	.12062
#1	.05164	1.9580	1.0704	1.0634	2.0657	.05023	2.2067	49.999	.10240	.50138
#2	.05150	1.9561	1.0770	1.0756	2.0670	.04954	2.2297	49.924	.10400	.50223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20893**	**.26249**	**1.0072**	**54.189**	**1.0384**	**49.039**	**.49679**	**1.0433**	**54.770**	**.51502**
Stddev	.00128	.00004	.0026	.154	.0001	.050	.00005	.0003	.624	.00379
%RSD	.61336	.01630	.25309	.28508	.00700	.10141	.00991	.02971	1.1389	.73560
#1	.20802	.26252	1.0054	54.080	1.0383	49.074	.49683	1.0431	55.211	.51234
#2	.20983	.26246	1.0090	54.298	1.0384	49.003	.49676	1.0435	54.329	.51770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.595**	**.52839**	**.00117**	**.52831**	**2.1755**	**10.113**	**21.642**	**2.0730**	**1.0159**	**.97009**
Stddev	.011	.00405	.00081	.00471	.0019	.058	.125	.0023	.0003	.00412
%RSD	.10192	.76688	69.744	.89144	.08896	.57762	.57762	.11110	.03000	.42461
#1	10.588	.52552	.00174	.52498	2.1741	10.154	21.730	2.0713	1.0157	.96718
#2	10.603	.53125	.00059	.53164	2.1769	10.072	21.553	2.0746	1.0162	.97300
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99049**	**2.0218**	F **2.4151**	**.50183**	**.48160**	**.49352**
Stddev	.00355	.0002	.0281	.00018	.00052	.00047
%RSD	.35791	.00840	1.1635	.03523	.10833	.09466
#1	.98798	2.0217	2.4349	.50171	.48123	.49385
#2	.99299	2.0219	2.3952	.50196	.48197	.49319
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6834.1**	**97193.**	**5850.9**
Stddev	27.1	389.	2.6
%RSD	.39605	.39981	.04513
#1	6815.0	97468.	5849.1
#2	6853.2	96918.	5852.8

Sample Name: 280-48842-a-1-a Acquired: 11/15/2013 22:43:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.01646**	**.00151**	**2.3357**	**.03825**	**.00002**	**.00064**	**74.602**	**.00044**	**-.00056**
Stddev	.00011	.00041	.00054	.0076	.00005	.00007	.00015	.065	.00009	.00001
%RSD	16.945	2.4653	35.974	.32704	.13039	347.26	22.854	.08755	20.972	1.8250
#1	-.00074	.01617	.00189	2.3303	.03828	-.00003	.00074	74.648	.00037	-.00056
#2	-.00058	.01675	.00112	2.3411	.03821	.00007	.00054	74.556	.00050	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00531**	**.01219**	**2.1323**	**.04976**	**16.113**	**.05834**	**.04932**	W **841.66**	**.00071**
Stddev	.00000	.00032	.00116	.0766	.00008	.027	.00016	.00122	.71	.00021
%RSD	.84229	6.0402	9.5107	3.5942	.15098	.16704	.27677	2.4710	.08457	29.183
#1	.00057	.00508	.01300	2.0781	.04971	16.133	.05845	.04846	841.16	.00086
#2	.00058	.00553	.01137	2.1865	.04982	16.094	.05822	.05018	842.17	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07651**	**.00021**	F **271.91**	**-.00095**	**.03663**	**4.1990**	**8.9859**	**.00027**	**1.9929**	**-.00037**
Stddev	.00203	.00091	1.01	.00032	.00074	.0085	.0183	.00006	.0003	.00228
%RSD	2.6501	428.81	.37090	33.641	2.0127	.20329	.20329	24.165	.01304	622.02
#1	.07508	.00085	271.20	-.00072	.03611	4.2050	8.9988	.00022	1.9927	-.00198
#2	.07794	-.00043	272.63	-.00117	.03715	4.1930	8.9729	.00031	1.9931	.00124
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00160**	**.17635**	**.01029**	**.00537**	**.00256**
Stddev	.00022	.00035	.04478	.00028	.00024	.00114
%RSD	33.528	21.973	25.393	2.7381	4.5205	44.489
#1	.00082	.00135	.20801	.01009	.00519	.00175
#2	.00051	.00185	.14468	.01049	.00554	.00337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6498.6**	**90426.**	**5778.1**
Stddev	18.8	275.	6.3
%RSD	.28890	.30427	.10979
#1	6511.8	90231.	5773.6
#2	6485.3	90620.	5782.5

Sample Name: 280-48842-a-4-a Acquired: 11/15/2013 22:46:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.03590**	**-.00007**	**2.3677**	**.03822**	**-.00006**	**-.00215**	**73.760**	**.00022**	**-.00067**
Stddev	.00025	.00023	.00019	.0018	.00025	.00008	.00296	.445	.00043	.00015
%RSD	67.594	.63502	286.45	.07595	.65940	132.01	137.71	.60325	191.18	23.046
#1	-.00055	.03573	-.00020	2.3664	.03840	.00000	-.00424	73.445	.00053	-.00078
#2	-.00019	.03606	.00007	2.3689	.03804	-.00011	-.00006	74.074	-.00008	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00525**	**.02814**	**2.2008**	**.05186**	**16.235**	**.06282**	**.04674**	W **848.42**	**.00099**
Stddev	.00005	.00007	.00209	.0362	.00106	.040	.00017	.00005	5.01	.00019
%RSD	7.9252	1.2970	7.4134	1.6454	2.0467	.24385	.27023	.09966	.59038	19.575
#1	.00071	.00530	.02962	2.1752	.05262	16.263	.06294	.04670	844.88	.00113
#2	.00064	.00521	.02667	2.2264	.05111	16.207	.06270	.04677	851.96	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07512**	**-.00055**	F **273.82**	**-.00192**	**.03357**	**4.2141**	**9.0182**	**-.00043**	**2.0011**	**-.00056**
Stddev	.00097	.00085	.09	.00012	.00186	.0391	.0837	.00016	.0131	.00074
%RSD	1.2937	154.20	.03452	6.4914	5.5349	.92805	.92805	38.284	.65625	131.96
#1	.07443	-.00115	273.75	-.00201	.03226	4.1864	8.9590	-.00055	1.9918	-.00108
#2	.07581	.00005	273.89	-.00183	.03489	4.2417	9.0773	-.00031	2.0104	-.00004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00052**	**.16113**	**.01065**	**.00483**	**.00285**
Stddev	.00047	.00006	.03968	.00001	.00006	.00070
%RSD	592.99	10.884	24.629	.05228	1.3396	24.669
#1	.00041	-.00056	.18919	.01066	.00488	.00235
#2	-.00025	-.00048	.13306	.01065	.00478	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6498.3**	**89690.**	**5873.7**
Stddev	24.4	491.	27.8
%RSD	.37493	.54691	.47268
#1	6515.5	89343.	5893.4
#2	6481.0	90037.	5854.1

Sample Name: 280-48842-a-5-b Acquired: 11/15/2013 22:48:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00107**	**-.00227**	**1.6283**	**.00933**	**.00004**	**-.00317**	**67.108**	**.00024**	**-.00072**
Stddev	.00032	.00028	.00012	.0034	.00037	.00000	.00155	.293	.00006	.00015
%RSD	48.912	25.673	5.0946	.21069	3.9717	6.9607	49.027	.43613	23.803	20.937
#1	-.00043	.00088	-.00235	1.6259	.00907	.00004	-.00207	66.901	.00028	-.00061
#2	-.00088	.00127	-.00219	1.6307	.00959	.00004	-.00427	67.315	.00020	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00346**	**.00556**	**.81156**	**.11484**	**12.437**	**.04461**	**.00167**	W **1276.3**	**.00076**
Stddev	.00001	.00015	.00054	.03606	.00203	.024	.00013	.00003	6.2	.00015
%RSD	5.0255	4.2964	9.6859	4.4435	1.7715	.19119	.29266	1.7693	.48417	19.231
#1	.00018	.00335	.00594	.78606	.11340	12.420	.04470	.00169	1272.0	.00066
#2	.00019	.00356	.00518	.83706	.11628	12.453	.04452	.00165	1280.7	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02063**	**-.00107**	F **523.08**	**-.00010**	**.02652**	**6.0309**	**12.906**	**-.00032**	**1.7259**	**-.00202**
Stddev	.00025	.00062	1.55	.00050	.00024	.1128	.241	.00020	.0039	.00056
%RSD	1.2127	57.930	.29680	476.94	.90783	1.8697	1.8697	62.743	.22321	27.873
#1	.02045	-.00063	524.18	-.00046	.02669	5.9512	12.736	-.00047	1.7232	-.00241
#2	.02081	-.00151	521.98	.00025	.02635	6.1107	13.077	-.00018	1.7286	-.00162
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.00109**	**.05499**	**.00089**	**.01066**	**.00372**
Stddev	.00011	.00041	.00403	.00026	.00016	.00010
%RSD	29.526	38.045	7.3369	29.819	1.5126	2.7818
#1	-.00028	-.00138	.05214	.00107	.01077	.00365
#2	-.00043	-.00080	.05784	.00070	.01054	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6372.5**	**88013.**	**5785.1**
Stddev	10.5	154.	.4
%RSD	.16508	.17553	.00672
#1	6365.1	88122.	5785.3
#2	6380.0	87903.	5784.8

Sample Name: 280-48842-a-6-c Acquired: 11/15/2013 22:51:30 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00310**	**.02141**	**.80000**	**.13246**	**-.00004**	**-.00243**	**24.786**	**.00008**	**-.00040**
Stddev	.00003	.00009	.00330	.00351	.00045	.00006	.00091	.236	.00002	.00010
%RSD	7.8107	2.8151	15.401	.43936	.33865	165.69	37.415	.95285	24.778	25.454
#1	-.00040	.00317	.02375	.80249	.13278	.00001	-.00179	24.953	.00006	-.00033
#2	-.00036	.00304	.01908	.79752	.13214	-.00008	-.00308	24.619	.00009	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00178**	**.57699**	**.72849**	**.01913**	**6.2416**	**.58625**	**.00577**	**369.51**	**.00115**
Stddev	.00008	.00046	.00045	.01992	.00005	.0121	.00127	.00012	3.75	.00022
%RSD	118.45	25.639	.07852	2.7339	.24094	.19319	.21733	2.0071	1.0146	19.302
#1	.00013	.00210	.57731	.71441	.01917	6.2501	.58715	.00568	372.17	.00131
#2	.00001	.00146	.57667	.74258	.01910	6.2330	.58535	.00585	366.86	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43025**	**.00036**	**42.330**	**-.00150**	**.00058**	**5.3891**	**11.533**	**.00018**	**.61893**	**-.00029**
Stddev	.00152	.00010	.031	.00199	.00267	.0146	.031	.00010	.00574	.00041
%RSD	.35431	28.621	.07245	133.10	464.55	.27101	.27101	53.503	.92759	141.98
#1	.43132	.00043	42.308	-.00009	-.00131	5.3994	11.555	.00011	.62299	-.00057
#2	.42917	.00029	42.352	-.00291	.00246	5.3788	11.511	.00025	.61487	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00019**	**.00162**	**.00027**	**.00588**	**.00316**
Stddev	.00033	.00075	.00834	.00005	.00001	.00005
%RSD	64.913	395.75	514.97	19.546	.10189	1.7245
#1	-.00075	-.00034	.00752	.00023	.00588	.00313
#2	-.00028	.00072	-.00428	.00030	.00587	.00320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6676.8**	**93113.**	**5998.8**
Stddev	.3	645.	48.2
%RSD	.00422	.69269	.80286
#1	6676.6	92657.	5964.7
#2	6677.0	93569.	6032.9

Sample Name: 280-48842-a-7-a Acquired: 11/15/2013 22:53:57 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.00242**	**-.00057**	**1.3839**	**.02248**	**-.00005**	**-.00088**	**16.378**	**.00010**	**-.00045**
Stddev	.00009	.00010	.00130	.0002	.00011	.00001	.00081	.079	.00013	.00014
%RSD	9.7859	4.1903	228.04	.01729	.50690	11.601	91.472	.48152	122.49	31.572
#1	-.00083	.00235	-.00149	1.3840	.02256	-.00005	-.00145	16.434	.00019	-.00035
#2	-.00095	.00250	.00035	1.3837	.02240	-.00006	-.00031	16.323	.00001	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00223**	**.00475**	**.54552**	**.13852**	**3.0565**	**.00770**	**.00370**	W **595.08**	**.00106**
Stddev	.00002	.00000	.00061	.05582	.00237	.0158	.00013	.00039	2.25	.00056
%RSD	1.9112	.04910	12.802	10.232	1.7098	.51804	1.6492	10.573	.37771	52.923
#1	.00113	.00223	.00518	.50605	.13685	3.0677	.00779	.00342	596.66	.00066
#2	.00116	.00223	.00432	.58499	.14019	3.0453	.00761	.00397	593.49	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01473**	**-.00017**	**95.190**	**-.00063**	**.01422**	**5.1948**	**11.117**	**-.00007**	**.71320**	**-.00167**
Stddev	.00051	.00110	.203	.00037	.00035	.0004	.001	.00070	.00614	.00069
%RSD	3.4759	657.69	.21325	59.235	2.4878	.00814	.00814	951.25	.86111	41.243
#1	.01509	-.00095	95.334	-.00090	.01447	5.1945	11.116	-.00057	.71754	-.00118
#2	.01437	.00061	95.046	-.00037	.01397	5.1951	11.118	.00042	.70886	-.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00019**	**.14202**	**.00180**	**.00837**	**.00470**
Stddev	.00015	.00002	.01226	.00005	.00017	.00051
%RSD	59.643	11.186	8.6346	2.6522	1.9924	10.858
#1	-.00014	-.00020	.15069	.00184	.00848	.00434
#2	-.00035	-.00017	.13334	.00177	.00825	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6491.7**	**91001.**	**5899.9**
Stddev	2.4	378.	31.8
%RSD	.03697	.41555	.53916
#1	6493.4	90734.	5877.5
#2	6490.0	91269.	5922.4

Sample Name: 280-48842-a-8-c Acquired: 11/15/2013 22:56:23 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00209**	**-.00005**	**1.3801**	**.01779**	**.00003**	**-.00133**	**26.290**	**.00031**	**-.00041**
Stddev	.00012	.00013	.00089	.0008	.00010	.00003	.00164	.090	.00004	.00019
%RSD	19.938	6.0180	1631.6	.05925	.55639	112.31	123.09	.34177	14.580	45.481
#1	-.00052	.00200	.00057	1.3807	.01786	.00005	-.00249	26.354	.00034	-.00028
#2	-.00068	.00218	-.00068	1.3795	.01772	.00001	-.00017	26.226	.00028	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00187**	**.00327**	**.64769**	**.13075**	**4.6814**	**.00033**	**.00222**	W **600.62**	**.00038**
Stddev	.00004	.00017	.00216	.01958	.00083	.0156	.00023	.00003	.39	.00028
%RSD	5.8463	8.9626	66.197	3.0229	.63709	.33315	71.710	1.2265	.06459	74.000
#1	.00072	.00175	.00174	.63385	.13017	4.6704	.00016	.00220	600.89	.00059
#2	.00066	.00199	.00479	.66153	.13134	4.6925	.00049	.00224	600.34	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.00002**	**109.36**	**-.00160**	**.01378**	**4.6471**	**9.9448**	**-.00014**	**.66082**	**-.00102**
Stddev	.00001	.00047	.30	.00046	.00097	.0118	.0252	.00020	.00008	.00063
%RSD	.05224	2637.6	.27110	28.762	7.0246	.25370	.25370	140.67	.01264	61.940
#1	.00990	-.00031	109.57	-.00128	.01447	4.6555	9.9627	.00000	.66088	-.00146
#2	.00989	.00035	109.15	-.00193	.01310	4.6388	9.9270	-.00029	.66076	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00084**	**.14102**	**.00231**	**.00420**	**.00340**
Stddev	.00030	.00066	.03135	.00041	.00011	.00003
%RSD	107.61	78.446	22.230	17.672	2.5876	.92701
#1	-.00049	-.00037	.11885	.00203	.00428	.00342
#2	-.00007	-.00130	.16319	.00260	.00412	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6542.1**	**91897.**	**5905.7**
Stddev	1.8	222.	59.6
%RSD	.02817	.24162	1.0086
#1	6540.8	92054.	5863.6
#2	6543.4	91740.	5947.8

Sample Name: 48475-3 Acquired: 11/15/2013 22:58:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: WC DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.01009**	**.00725**	**.57451**	**.00943**	**.00004**	**-.00327**	**74.019**	**.00052**	**.00010**
Stddev	.00018	.00031	.00392	.00459	.00035	.00002	.00117	.007	.00000	.00001
%RSD	98.835	3.1059	53.996	.79878	3.7358	47.183	35.859	.00885	.90758	14.162
#1	-.00030	.01031	.01002	.57775	.00968	.00005	-.00244	74.015	.00053	.00009
#2	-.00005	.00987	.00448	.57126	.00918	.00003	-.00409	74.024	.00052	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00106**	**8.5483**	**22.195**	**.05319**	**32.088**	**1.5235**	**.00186**	**34.075**	**.00080**
Stddev	.00019	.00033	.0811	.078	.00205	.091	.0176	.00042	.278	.00023
%RSD	30.947	31.071	.94887	.35117	3.8559	.28333	1.1565	22.793	.81497	28.976
#1	.00074	.00129	8.6057	22.140	.05174	32.153	1.5359	.00156	33.879	.00064
#2	.00047	.00082	8.4909	22.250	.05464	32.024	1.5110	.00216	34.271	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18286**	**-.00028**	**2.2280**	**-.00341**	**.00579**	**18.102**	**38.738**	**.00248**	**.86017**	**-.00183**
Stddev	.00470	.00043	.0154	.00033	.00003	.054	.115	.00117	.00114	.00054
%RSD	2.5703	152.58	.68993	9.7331	.56150	.29648	.29648	47.162	.13258	29.339
#1	.18619	.00002	2.2389	-.00318	.00581	18.140	38.819	.00330	.85937	-.00145
#2	.17954	-.00059	2.2171	-.00365	.00577	18.064	38.657	.00165	.86098	-.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00104**	**.00331**	**.00040**	**.00075**	**.00441**
Stddev	.00023	.00116	.01553	.00037	.00027	.00058
%RSD	254.72	111.57	469.50	92.015	36.154	13.096
#1	.00007	.00186	-.00767	.00066	.00056	.00482
#2	-.00025	.00022	.01429	.00014	.00095	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7110.8**	**100790.**	**6100.5**
Stddev	24.0	486.	19.9
%RSD	.33691	.48200	.32559
#1	7093.9	101130.	6114.6
#2	7127.8	100450.	6086.5

Sample Name: CCVH-2382126 Acquired: 11/15/2013 23:01:11 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00678**	**50.302**	**-.00050**	**.00666**	**.00032**	**-.00007**	**1.0461**	**.03180**	**.00056**	**-.00060**	**.00034**	**.01936**
Stddev	.00003	.203	.00014	.00043	.00008	.00003	.0019	.00499	.00036	.00008	.00000	.00042
%RSD	.49744	.40453	27.518	6.4290	23.774	46.054	.18656	15.698	64.300	13.923	.12502	2.1919
#1	-.00676	50.445	-.00060	.00696	.00038	-.00005	1.0475	.03533	.00031	-.00066	.00034	.01906
#2	-.00680	50.158	-.00040	.00635	.00027	-.00010	1.0447	.02827	.00082	-.00055	.00034	.01966
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.803**	**.10054**	**.00074**	**.09345**	**.00548**	**.00026**	**265.74**	**-.00082**	**.00557**	**.00102**	**5.1193**	**-.00065**
Stddev	.079	.02758	.00090	.00082	.00061	.00010	.23	.00029	.00146	.00003	.0177	.00226
%RSD	.16105	27.433	122.23	.88019	11.191	37.696	.08630	34.878	26.118	2.7529	.34493	350.32
#1	48.747	.12004	.00010	.09286	.00504	.00019	265.90	-.00102	.00455	.00100	5.1317	.00095
#2	48.858	.08104	.00138	.09403	.00591	.00033	265.58	-.00062	.00660	.00104	5.1068	-.00225
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00486**	**.00501**	**.01072**	**.00051**	**.00060**	W **4.7408**	**.01598**	**.00219**	F **8.8019**	**.00271**	**.00190**	**-.07303**
Stddev	.00049	.00086	.00184	.00040	.00010	.0152	.00058	.00050	.0205	.00055	.00004	.00239
%RSD	10.125	17.136	17.136	78.122	17.094	.32100	3.6574	22.983	.23332	20.325	2.1109	3.2689
#1	-.00521	.00562	.01202	.00079	.00067	4.7301	.01640	.00184	8.8164	.00232	.00192	-.07471
#2	-.00451	.00440	.00942	.00023	.00053	4.7516	.01557	.00255	8.7874	.00310	.00187	-.07134
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6886.0**	**96784.**	**5935.4**
Stddev	1.1	116.	1.3
%RSD	.01634	.12018	.02191
#1	6886.8	96867.	5934.5
#2	6885.3	96702.	5936.4

Sample Name: CCV-2372889 Acquired: 11/15/2013 23:03:35 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49275**	**.51455**	**1.0212**	**.52336**	**.50920**	**.49729**	**-.00896**	**5.0194**	**.50400**	**.50691**	**.50979**	**.50142**	**2.4709**
Stddev	.00029	.00177	.0016	.00627	.00239	.00113	.00158	.0089	.00262	.00023	.00040	.00065	.0028
%RSD	.05907	.34495	.15312	1.1982	.46978	.22760	17.611	.17801	.51948	.04519	.07843	.13045	.11406
#1	.49254	.51580	1.0201	.51892	.50751	.49649	-.00785	5.0257	.50215	.50675	.51008	.50188	2.4729
#2	.49295	.51329	1.0223	.52779	.51089	.49809	-.01008	5.0131	.50585	.50707	.50951	.50095	2.4689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.688**	**1.0104**	**19.081**	**.49276**	**.51044**	**5.2992**	**.51732**	**1.0189**	**1.0481**	**.02691**	**1.0325**	**1.0374**	**4.9247**
Stddev	.204	.0032	.008	.00008	.00042	.0422	.00312	.0030	.0025	.00271	.0043	.0030	.0038
%RSD	.38658	.31506	.04145	.01615	.08236	.79554	.60325	.29627	.23705	10.053	.42134	.28565	.07780
#1	52.544	1.0081	19.086	.49281	.51074	5.3290	.51511	1.0167	1.0463	.02882	1.0294	1.0353	4.9220
#2	52.832	1.0126	19.075	.49270	.51014	5.2694	.51952	1.0210	1.0499	.02500	1.0356	1.0395	4.9274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.539**	**1.0202**	**.49976**	**.00887**	**.47925**	**1.0373**	**.02553**	**.48947**	**.47536**	**.49395**
Stddev	.008	.0017	.00179	.00028	.00175	.0036	.01474	.00046	.00111	.00180
%RSD	.07780	.16224	.35764	3.2045	.36612	.34544	57.721	.09369	.23351	.36534
#1	10.533	1.0190	.49849	.00867	.47801	1.0348	.01511	.48979	.47458	.49523
#2	10.545	1.0213	.50102	.00907	.48049	1.0398	.03596	.48915	.47615	.49268
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6949.6**	**99241.**	**5861.4**
Stddev	27.9	46.	27.0
%RSD	.40207	.04671	.46107
#1	6929.8	99209.	5842.3
#2	6969.3	99274.	5880.5

Sample Name: CCB Acquired: 11/15/2013 23:05:42 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00090**	**.00134**	W **.00475**	**.00020**	**.00014**	**-.00124**	**.00124**	**.00030**	**.00004**	**.00003**	**-.00077**
Stddev	.00021	.00026	.00066	.00035	.00008	.00004	.00143	.00174	.00006	.00010	.00003	.00043
%RSD	80.393	28.865	49.087	7.4444	41.731	27.982	115.23	140.12	21.325	247.27	106.08	56.118
#1	-.00041	.00109	.00180	.00500	.00014	.00011	-.00023	.00001	.00035	-.00003	.00006	-.00107
#2	-.00011	.00072	.00087	.00450	.00026	.00016	-.00225	.00247	.00026	.00011	.00001	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.04736**	W **.00308**	**.00278**	W **.00028**	**.00274**	W **.10299**	**-.00005**	**.00041**	**.00057**	**.02642**	**.00237**
Stddev	.00008	.00763	.00215	.00016	.00004	.00080	.00959	.00016	.00018	.00131	.00058	.00264
%RSD	2.1626	16.115	69.785	5.8082	16.111	29.317	9.3127	349.29	43.561	231.68	2.1912	111.24
#1	.00389	.04196	.00459	.00266	.00025	.00217	.10977	-.00016	.00054	-.00036	.02601	.00051
#2	.00377	.05275	.00156	.00289	.00031	.00331	.09621	.00007	.00028	.00149	.02683	.00424
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261		.00025		.09160					
Low Limit			-.00261		-.00025		-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**-.00987**	**-.02112**	**.00086**	**.00013**	**.00055**	**.00014**	**-.00055**	**.01084**	**-.00032**	**.00366**	W **.00370**
Stddev	.00168	.00886	.01896	.00052	.00004	.00155	.00028	.00075	.02561	.00011	.00051	.00147
%RSD	83.418	89.784	89.784	60.331	30.993	280.72	205.08	135.44	236.28	34.448	13.900	39.741
#1	.00083	-.00360	-.00771	.00123	.00016	.00165	-.00006	-.00108	-.00727	-.00040	.00402	.00266
#2	.00321	-.01614	-.03453	.00049	.00010	-.00055	.00034	-.00002	.02895	-.00024	.00330	.00474
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.5**	**100230.**	**5781.7**
Stddev	.2	78.	15.2
%RSD	.00318	.07792	.26314
#1	6934.3	100290.	5770.9
#2	6934.6	100180.	5792.4

Sample Name: CCVL-2383195 Acquired: 11/15/2013 23:08:00 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01048**	**.11093**	**.01583**	**.10953**	**.01018**	**.00097**	**.12377**	**.21230**	**.00552**	**.01080**	**.01091**	**.01501**	**.10562**
Stddev	.00007	.00043	.00024	.00037	.00049	.00005	.00086	.00287	.00009	.00006	.00000	.00000	.00497
%RSD	.66856	.38482	1.5226	.33536	4.8347	4.6410	.69179	1.3513	1.6226	.55357	.03907	.01891	4.7082
#1	.01043	.11063	.01566	.10927	.01052	.00094	.12438	.21433	.00546	.01084	.01091	.01501	.10914
#2	.01053	.11123	.01601	.10979	.00983	.00100	.12317	.21027	.00559	.01076	.01091	.01501	.10210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2197**	**.01223**	**.20810**	**.01065**	**.02061**	**1.0974**	**.04411**	**3.0620**	**.01123**	**.02073**	**.00987**	**.01625**	**.49132**
Stddev	.0239	.00197	.00199	.00004	.00018	.0115	.00019	.0068	.00089	.00156	.00005	.00294	.00297
%RSD	.74105	16.080	.95607	.37900	.85493	1.0511	.42727	.22065	7.9206	7.5161	.53996	18.064	.60404
#1	3.2365	.01362	.20670	.01062	.02048	1.1056	.04398	3.0572	.01186	.02184	.00991	.01418	.49342
#2	3.2028	.01084	.20951	.01068	.02073	1.0893	.04424	3.0668	.01060	.01963	.00983	.01833	.48922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0514**	**.10956**	**.01023**	**.01479**	**.00979**	**.01661**	F **.09763**	**.00956**	**.02581**	**.01719**
Stddev	.0063	.00056	.00002	.00099	.00000	.00016	.03886	.00009	.00006	.00067
%RSD	.60404	.51043	.14964	6.6709	.04461	.97463	39.801	.98969	.22553	3.9207
#1	1.0559	.10917	.01024	.01548	.00980	.01649	.12511	.00963	.02585	.01767
#2	1.0469	.10996	.01022	.01409	.00979	.01672	.07016	.00949	.02577	.01671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7083.7**	**101430.**	**5851.2**
Stddev	3.8	143.	5.2
%RSD	.05335	.14135	.08837
#1	7086.4	101530.	5847.5
#2	7081.0	101330.	5854.8

Sample Name: 280-48842-a-9-a Acquired: 11/15/2013 23:10:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**1.4138**	**-.00207**	**.87262**	**.03250**	**.00008**	**-.00233**	**75.525**	**.00048**	**-.00040**
Stddev	.00041	.0004	.00064	.00190	.00008	.00010	.00249	.398	.00013	.00005
%RSD	56.466	.02513	30.653	.21816	.24242	134.36	106.69	.52690	27.490	13.397
#1	-.00103	1.4135	-.00162	.87127	.03244	.00000	-.00057	75.806	.00057	-.00036
#2	-.00044	1.4140	-.00252	.87397	.03255	.00015	-.00409	75.243	.00038	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**.00317**	**.76319**	**1.2091**	**.15656**	**15.980**	**.02933**	**.01883**	W **919.74**	**.00143**
Stddev	.00003	.00001	.00482	.0155	.00163	.100	.00018	.00032	3.63	.00013
%RSD	1.1623	.29952	.63162	1.2832	1.0396	.62547	.60799	1.7132	.39473	9.1715
#1	.00298	.00318	.76660	1.1981	.15541	15.910	.02920	.01860	922.31	.00134
#2	.00303	.00316	.75978	1.2201	.15771	16.051	.02945	.01906	917.18	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05975**	**.00085**	F **430.04**	**.00094**	**.00826**	**7.9635**	**17.042**	**-.00014**	**4.3216**	**.00043**
Stddev	.00080	.00069	.40	.00266	.00047	.0065	.014	.00011	.0198	.00074
%RSD	1.3379	81.002	.09196	282.67	5.6304	.08120	.08120	81.644	.45815	170.36
#1	.06032	.00134	429.76	-.00094	.00793	7.9590	17.032	-.00006	4.3356	.00095
#2	.05919	.00036	430.32	.00283	.00859	7.9681	17.052	-.00022	4.3076	-.00009
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01121**	**.00002**	**.03192**	**.00471**	**.00716**	**.00413**
Stddev	.00004	.00263	.00917	.00014	.00025	.00020
%RSD	.35892	14860.	28.722	3.0570	3.5216	4.8211
#1	.01124	-.00184	.03840	.00461	.00698	.00427
#2	.01119	.00188	.02544	.00481	.00734	.00399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6544.1**	**90673.**	**5823.1**
Stddev	1.0	30.	53.4
%RSD	.01467	.03255	.91740
#1	6543.4	90694.	5785.3
#2	6544.8	90652.	5860.8

Sample Name: 280-48842-a-10-a Acquired: 11/15/2013 23:12:42 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00424**	**-.00170**	**1.3214**	**.00850**	**.00004**	**-.00278**	**9.0747**	**.00010**	**-.00055**
Stddev	.00031	.00007	.00065	.0032	.00030	.00000	.00264	.0116	.00004	.00008
%RSD	80.791	1.6616	38.339	.23900	3.4777	10.067	94.795	.12786	37.805	14.118
#1	-.00059	.00429	-.00124	1.3192	.00871	.00004	-.00464	9.0665	.00013	-.00050
#2	-.00016	.00419	-.00217	1.3237	.00829	.00004	-.00092	9.0829	.00008	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00193**	**.00321**	**1.1085**	**.39519**	**.94074**	**.02196**	**.00736**	W **728.44**	**.00089**
Stddev	.00010	.00036	.00086	.0030	.00070	.00283	.00007	.00008	.08	.00020
%RSD	76.062	18.544	26.662	.26718	.17829	.30066	.30241	1.1081	.01049	22.810
#1	.00021	.00168	.00381	1.1106	.39569	.94274	.02191	.00742	728.49	.00103
#2	.00006	.00218	.00260	1.1065	.39469	.93874	.02201	.00730	728.39	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.00014**	F **329.06**	**-.00097**	**-.00229**	**3.8360**	**8.2091**	**.00018**	**2.5742**	**-.00017**
Stddev	.00113	.00068	.08	.00146	.00099	.0156	.0333	.00037	.0087	.00032
%RSD	10.469	501.14	.02392	150.71	43.346	.40624	.40624	201.51	.33891	190.09
#1	.01159	.00062	329.12	-.00200	-.00300	3.8250	8.1855	.00045	2.5804	.00006
#2	.01000	-.00035	329.01	.00006	-.00159	3.8470	8.2326	-.00008	2.5680	-.00039
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00068**	**.02911**	**.00088**	**.00432**	**.00396**
Stddev	.00005	.00103	.00715	.00030	.00027	.00146
%RSD	17.471	151.62	24.553	33.673	6.1406	36.734
#1	-.00032	-.00141	.02406	.00067	.00451	.00499
#2	-.00025	.00005	.03417	.00110	.00414	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6660.0**	**92054.**	**5943.8**
Stddev	2.9	107.	18.0
%RSD	.04375	.11658	.30365
#1	6657.9	91978.	5931.0
#2	6662.0	92129.	5956.6

Sample Name: 280-48842-a-11-a Acquired: 11/15/2013 23:15:09 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00219**	**-.00075**	**1.9742**	**.01861**	**-.00002**	**-.00286**	**96.589**	**.00129**	**-.00076**
Stddev	.00027	.00030	.00018	.0058	.00004	.00007	.00086	.448	.00006	.00001
%RSD	71.539	13.596	24.096	.29444	.21140	459.30	29.917	.46393	4.7769	1.7781
#1	-.00019	.00240	-.00062	1.9701	.01858	.00003	-.00225	96.906	.00125	-.00077
#2	-.00058	.00198	-.00088	1.9783	.01863	-.00007	-.00346	96.273	.00134	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00374**	**.00795**	**1.0458**	**.14538**	**126.54**	**.08946**	**.00109**	W **1109.3**	**.00065**
Stddev	.00009	.00036	.00145	.0587	.00018	.57	.00028	.00023	3.4	.00038
%RSD	44.067	9.6398	18.305	5.6106	.12077	.44737	.31059	20.825	.31100	58.046
#1	.00026	.00348	.00692	1.0044	.14525	126.14	.08926	.00093	1111.8	.00038
#2	.00014	.00399	.00898	1.0873	.14550	126.94	.08966	.00125	1106.9	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04058**	**-.00046**	F **584.26**	**-.00164**	**.08728**	**6.4800**	**13.867**	**-.00031**	W **8.8309**	**-.00085**
Stddev	.00160	.00025	1.60	.00217	.00237	.0023	.005	.00042	.0680	.00168
%RSD	3.9534	53.306	.27378	132.10	2.7186	.03552	.03552	133.57	.77008	198.16
#1	.03944	-.00029	583.13	-.00011	.08560	6.4783	13.864	-.00061	8.7828	.00034
#2	.04171	-.00063	585.39	-.00317	.08895	6.4816	13.871	-.00002	8.8790	-.00204
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.00082**	**.17885**	**.00769**	**.00492**	**.00427**
Stddev	.00016	.00064	.01069	.00005	.00046	.00168
%RSD	24.722	77.249	5.9758	.60526	9.4366	39.291
#1	-.00077	-.00127	.18641	.00766	.00459	.00308
#2	-.00054	-.00037	.17129	.00773	.00525	.00546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6301.6**	**88188.**	**5901.3**
Stddev	.7	664.	16.4
%RSD	.01130	.75258	.27783
#1	6301.1	88657.	5889.8
#2	6302.1	87719.	5912.9

Sample Name: 280-48842-a-11-aSD@5 Acquired: 11/15/2013 23:18:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**.01071**	**.00031**	**.43579**	**.00384**	**-.00003**	**-.00321**	**20.987**	**.00059**	**-.00038**
Stddev	.00021	.00006	.00012	.00095	.00006	.00008	.00065	.207	.00012	.00013
%RSD	24.309	.53884	39.833	.21888	1.6212	236.68	20.134	.98538	19.931	35.527
#1	-.00101	.01075	.00022	.43647	.00380	-.00009	-.00275	21.133	.00050	-.00047
#2	-.00071	.01067	.00039	.43512	.00388	.00002	-.00367	20.841	.00067	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00108**	**.01536**	**.24983**	**.03109**	**26.514**	**.01937**	**.00021**	**235.47**	**.00015**
Stddev	.00001	.00018	.00225	.00432	.00175	.025	.00006	.00003	2.64	.00004
%RSD	8.1743	16.131	14.681	1.7291	5.6185	.09356	.31769	14.126	1.1192	24.067
#1	.00015	.00096	.01376	.24678	.03232	26.496	.01933	.00023	237.34	.00018
#2	.00016	.00121	.01695	.25289	.02985	26.531	.01941	.00019	233.61	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00807**	**.00029**	**122.84**	**-.00001**	**.01752**	**1.3689**	**2.9295**	**.00161**	**1.8926**	**-.00028**
Stddev	.00117	.00033	.28	.00195	.00257	.0192	.0412	.00022	.0198	.00068
%RSD	14.452	114.98	.22887	21693.	14.694	1.4054	1.4054	13.366	1.0478	239.44
#1	.00725	.00052	122.64	-.00139	.01570	1.3553	2.9004	.00177	1.9066	-.00076
#2	.00890	.00005	123.04	.00137	.01934	1.3825	2.9586	.00146	1.8785	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00119**	**.03428**	**.00107**	**.00803**	**.00367**
Stddev	.00007	.00064	.04069	.00052	.00013	.00071
%RSD	35.348	54.093	118.70	48.313	1.6170	19.299
#1	-.00024	.00164	.06305	.00144	.00794	.00317
#2	-.00014	.00073	.00551	.00071	.00812	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6754.4**	**95695.**	**5912.4**
Stddev	8.6	129.	31.3
%RSD	.12682	.13484	.52903
#1	6760.5	95604.	5890.2
#2	6748.4	95786.	5934.5

Sample Name: 280-48842-a-11-b ms Acquired: 11/15/2013 23:20:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05632**	**1.8984**	W **2.4021**	**1.1483**	**2.9870**	**2.1590**	**.05113**	F **2.1991**	**147.86**	**.10800**
Stddev	.00048	.0026	.0106	.0003	.0060	.0043	.00065	.0071	.39	.00045
%RSD	.85010	.13765	.44312	.02467	.19995	.19856	1.2686	.32137	.26671	.41264
#1	.05598	1.8966	2.4096	1.1485	2.9828	2.1560	.05067	2.1941	148.14	.10769
#2	.05666	1.9003	2.3945	1.1481	2.9912	2.1620	.05159	2.2041	147.58	.10832
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49995**	**.20891**	**.27506**	**1.0257**	**61.163**	**1.2861**	**174.34**	**.59622**	**1.0607**	W **1181.8**
Stddev	.00022	.00016	.00074	.0001	.191	.0023	.98	.00106	.0014	1.1
%RSD	.04304	.07650	.26969	.00646	.31234	.17731	.56179	.17728	.13122	.09161
#1	.49980	.20880	.27559	1.0258	61.027	1.2845	173.65	.59548	1.0598	1181.0
#2	.50010	.20903	.27454	1.0257	61.298	1.2877	175.03	.59697	1.0617	1182.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50745**	W **11.657**	**.49692**	F **582.31**	**.54419**	**2.4067**	**17.179**	**36.763**	W **2.0339**	W **9.9585**
Stddev	.00009	.022	.00153	1.47	.00126	.0002	.025	.054	.0014	.0485
%RSD	.01731	.18859	.30805	.25169	.23103	.00830	.14753	.14753	.06643	.48747
#1	.50751	11.641	.49801	581.27	.54330	2.4068	17.161	36.725	2.0349	9.9928
#2	.50739	11.672	.49584	583.35	.54508	2.4066	17.197	36.802	2.0330	9.9241
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit		2.0000		200.00					2.0000	5.0000
Low Limit		-1.0000		-.20000					-.05000	-.01000

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0149**	**1.0325**	**1.7566**	**2.5884**	**.53239**	**.50068**	**.50877**
Stddev	.0024	.0022	.0008	.0059	.00000	.00056	.00075
%RSD	.23785	.21435	.04294	.22792	.00031	.11202	.14681
#1	1.0132	1.0340	1.7560	2.5926	.53239	.50108	.50824
#2	1.0166	1.0309	1.7571	2.5842	.53239	.50029	.50930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6238.6**	**88125.**	**5804.3**
Stddev	5.1	111.	44.4
%RSD	.08132	.12584	.76408
#1	6235.0	88204.	5773.0
#2	6242.2	88047.	5835.7

Sample Name: 280-48842-a-11-c msd Acquired: 11/15/2013 23:23:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05649**	**1.8864**	W **2.3925**	**1.1479**	**2.9986**	**2.1382**	**.05033**	F **2.1939**	**147.56**	**.10743**
Stddev	.00038	.0004	.0192	.0089	.0133	.0270	.00050	.0157	1.91	.00070
%RSD	.67600	.01839	.80214	.77527	.44352	1.2646	.98598	.71523	1.2976	.65160
#1	.05622	1.8862	2.4060	1.1417	2.9891	2.1573	.05068	2.1828	148.91	.10693
#2	.05676	1.8867	2.3789	1.1542	3.0080	2.1191	.04998	2.2050	146.21	.10792
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49577**	**.20871**	**.27253**	**1.0071**	**60.916**	**1.2710**	**173.84**	**.59214**	**1.0561**	W **1186.1**
Stddev	.00065	.00090	.00052	.0016	.614	.0139	.93	.00166	.0032	14.4
%RSD	.13025	.42903	.19056	.16322	1.0073	1.0934	.53274	.28100	.29975	1.2133
#1	.49531	.20808	.27216	1.0082	61.350	1.2808	174.49	.59096	1.0538	1196.3
#2	.49623	.20935	.27290	1.0059	60.483	1.2612	173.18	.59331	1.0583	1175.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50651**	W **11.615**	**.49377**	F **584.56**	**.53811**	**2.4003**	**17.015**	**36.413**	W **2.0096**	W **9.8283**
Stddev	.00138	.069	.00060	3.05	.00146	.0151	.012	.025	.0070	.0619
%RSD	.27199	.59213	.12230	.52138	.27150	.62944	.06830	.06830	.34878	.63000
#1	.50554	11.567	.49335	582.41	.53707	2.3896	17.024	36.431	2.0047	9.7845
#2	.50749	11.664	.49420	586.72	.53914	2.4110	17.007	36.395	2.0146	9.8721
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit		2.0000		200.00					2.0000	5.0000
Low Limit		-1.0000		-.20000					-.05000	-.01000

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0058**	**1.0157**	**1.7415**	**2.5497**	**.52771**	**.49261**	**.50058**
Stddev	.0027	.0012	.0089	.0153	.00022	.00032	.00178
%RSD	.26672	.11772	.51109	.59839	.04242	.06534	.35580
#1	1.0039	1.0149	1.7352	2.5605	.52786	.49239	.50184
#2	1.0077	1.0165	1.7478	2.5389	.52755	.49284	.49932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6261.1**	**88590.**	**5849.0**
Stddev	1.2	14.	103.3
%RSD	.01861	.01592	1.7657
#1	6260.3	88600.	5776.0
#2	6261.9	88580.	5922.0

Sample Name: 280-48842-a-11-aPDS Acquired: 11/15/2013 23:26:32 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04515**	**.99616**	**.23649**	**2.0294**	**.12783**	**.05178**	**-.00054**	**115.99**	**.05595**	**.05051**
Stddev	.00002	.00035	.00059	.0011	.00014	.00004	.00326	.10	.00005	.00023
%RSD	.04736	.03558	.25147	.05340	.10629	.06842	598.96	.08295	.09827	.45588
#1	.04516	.99641	.23607	2.0302	.12793	.05180	.00176	116.05	.05599	.05067
#2	.04513	.99591	.23692	2.0286	.12773	.05175	-.00285	115.92	.05591	.05034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05355**	**.05875**	**1.0332**	**25.532**	**.25584**	**143.17**	**.13941**	**.05443**	W **1126.4**	**.05244**
Stddev	.00007	.00004	.0005	.074	.00160	.78	.00009	.00053	.7	.00009
%RSD	.12793	.06201	.05147	.28872	.62698	.54233	.06248	.98093	.06330	.17686
#1	.05360	.05878	1.0328	25.480	.25697	142.62	.13935	.05405	1125.9	.05237
#2	.05351	.05873	1.0336	25.585	.25471	143.72	.13947	.05480	1126.9	.05250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4423**	**.09999**	F **571.00**	**.10482**	**.32371**	**11.444**	**24.490**	**.09831**	W **8.7503**	**.20272**
Stddev	.0053	.00045	.13	.00005	.00263	.006	.012	.00102	.1980	.00349
%RSD	.21722	.44968	.02257	.04695	.81104	.04999	.04999	1.0421	2.2627	1.7218
#1	2.4461	.10031	570.91	.10485	.32556	11.440	24.482	.09904	8.6103	.20025
#2	2.4386	.09967	571.09	.10478	.32185	11.448	24.499	.09759	8.8903	.20518
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04982**	**.17862**	**.75987**	**.06158**	**.21352**	**.05029**
Stddev	.00017	.00094	.01245	.00062	.00008	.00342
%RSD	.33945	.52855	1.6386	1.0041	.03921	6.7977
#1	.04970	.17928	.76867	.06114	.21346	.04787
#2	.04994	.17795	.75106	.06202	.21357	.05270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6300.6**	**88708.**	**5909.8**
Stddev	6.2	93.	.9
%RSD	.09916	.10530	.01457
#1	6305.0	88642.	5910.4
#2	6296.2	88774.	5909.2

Sample Name: 280-48842-a-12-c Acquired: 11/15/2013 23:29:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199654 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00288**	**.00040**	**.61043**	**.06197**	**-.00002**	**-.00056**	**217.35**	**.00110**	**-.00018**
Stddev	.00006	.00113	.00085	.00022	.00030	.00004	.00029	2.90	.00012	.00008
%RSD	157.03	39.388	214.23	.03601	.47622	194.97	51.680	1.3354	10.531	43.142
#1	.00000	.00368	-.00021	.61058	.06218	-.00005	-.00035	219.40	.00118	-.00013
#2	-.00008	.00208	.00100	.61027	.06177	.00001	-.00076	215.29	.00101	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00182**	**.52947**	**1.5626**	**.06766**	**60.981**	**.74279**	**.00374**	**380.96**	**.00121**
Stddev	.00012	.00038	.00017	.0474	.00015	.067	.00086	.00005	4.86	.00017
%RSD	66.865	20.893	.03248	3.0323	.22693	.10920	.11600	1.2607	1.2766	13.705
#1	.00027	.00209	.52935	1.5291	.06777	61.028	.74339	.00371	384.39	.00132
#2	.00010	.00155	.52959	1.5961	.06755	60.934	.74218	.00378	377.52	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32646**	**-.00128**	F **301.35**	**.00041**	**.00354**	**5.5014**	**11.773**	**.00070**	W **6.0356**	**-.00059**
Stddev	.00279	.00027	.00	.00023	.00321	.0413	.088	.00044	.0676	.00093
%RSD	.85414	21.134	.00163	55.635	90.606	.74991	.74991	62.095	1.1196	155.95
#1	.32843	-.00109	301.35	.00025	.00127	5.5306	11.835	.00039	5.9878	.00006
#2	.32449	-.00148	301.35	.00057	.00581	5.4723	11.711	.00101	6.0834	-.00125
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00040**	**.03831**	**.00070**	**.00411**	**.00511**
Stddev	.00006	.00098	.01029	.00038	.00004	.00122
%RSD	15.695	243.83	26.855	54.815	.89649	23.905
#1	-.00042	-.00110	.03104	.00043	.00409	.00425
#2	-.00033	.00029	.04559	.00097	.00414	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6491.2**	**93837.**	**5915.2**
Stddev	36.2	143.	140.2
%RSD	.55782	.15211	2.3709
#1	6465.6	93737.	5816.0
#2	6516.8	93938.	6014.3

Sample Name: 48665-1 Acquired: 11/15/2013 23:32:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: FE K DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**1.2445**	**.00133**	**.01712**	**.05347**	**.00030**	**-.00191**	**2.7280**	**-.00001**	**.00086**
Stddev	.00004	.0026	.00103	.00042	.00057	.00009	.00084	.0049	.00007	.00006
%RSD	15.133	.20688	77.822	2.4692	1.0567	31.047	43.791	.18046	655.76	6.6509
#1	-.00025	1.2463	.00060	.01742	.05387	.00037	-.00251	2.7245	-.00006	.00082
#2	-.00032	1.2426	.00206	.01682	.05307	.00024	-.00132	2.7315	.00004	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00675**	**2.4022**	**1.8258**	**.00954**	**1.3131**	**.04619**	**-.00032**	**7.3310**	**.00257**
Stddev	.00009	.00012	.0040	.0155	.00018	.0038	.00021	.00023	.0345	.00018
%RSD	9.3680	1.8189	.16747	.85041	1.8584	.29275	.45384	72.107	.46992	6.9137
#1	.00091	.00666	2.3994	1.8367	.00967	1.3158	.04634	-.00049	7.3553	.00269
#2	.00104	.00683	2.4050	1.8148	.00942	1.3103	.04604	-.00016	7.3066	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04175**	**.00500**	**.30372**	**-.00262**	**-.00060**	**17.295**	**37.012**	**.00004**	**.06637**	**-.00133**
Stddev	.00093	.00010	.00428	.00139	.00045	.008	.017	.00004	.00035	.00096
%RSD	2.2205	2.0470	1.4104	52.981	74.448	.04654	.04654	111.50	.52758	72.527
#1	.04240	.00492	.30069	-.00164	-.00028	17.301	37.024	.00007	.06613	-.00201
#2	.04109	.00507	.30675	-.00360	-.00091	17.290	37.000	.00001	.06662	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03608**	**.00162**	**.01970**	**.00154**	**.13957**	**.00535**
Stddev	.00265	.00082	.00638	.00023	.00130	.00090
%RSD	7.3488	50.811	32.371	14.822	.93216	16.734
#1	.03796	.00220	.01519	.00170	.14049	.00598
#2	.03421	.00104	.02421	.00138	.13865	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7481.9**	**108960.**	**6496.3**
Stddev	37.4	81.	37.4
%RSD	.50049	.07454	.57500
#1	7508.3	109020.	6469.9
#2	7455.4	108900.	6522.7

Sample Name: 48665-2 Acquired: 11/15/2013 23:34:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: FE DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.21246**	**.02149**	**.01601**	**.24936**	**.00013**	**-.00840**	**6.8349**	**-.00011**	**.00131**
Stddev	.00016	.00034	.00036	.00020	.00054	.00008	.00014	.0102	.00006	.00007
%RSD	27.509	.15806	1.6649	1.2497	.21483	57.859	1.7079	.14983	55.180	5.5657
#1	-.00070	.21223	.02175	.01616	.24899	.00008	-.00850	6.8277	-.00016	.00136
#2	-.00048	.21270	.02124	.01587	.24974	.00018	-.00830	6.8422	-.00007	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00104**	**11.540**	**1.9698**	**.00750**	**6.1917**	**.09094**	**-.00056**	**39.916**	**.00265**
Stddev	.00019	.00061	.028	.0381	.00184	.0063	.00015	.00004	.077	.00035
%RSD	44.548	59.009	.24120	1.9355	24.545	.10114	.16346	6.8402	.19260	13.120
#1	.00029	.00061	11.520	1.9429	.00620	6.1961	.09105	-.00053	39.861	.00290
#2	.00055	.00147	11.560	1.9968	.00880	6.1872	.09084	-.00059	39.970	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27650**	**.00180**	**.91256**	**-.00281**	**.00062**	**39.099**	**83.673**	**-.00030**	**.20332**	**-.00162**
Stddev	.00062	.00022	.00512	.00158	.00246	.083	.177	.00023	.00028	.00217
%RSD	.22291	11.989	.56069	56.294	395.69	.21101	.21101	76.781	.13929	133.98
#1	.27694	.00165	.91618	-.00392	-.00112	39.041	83.548	-.00014	.20312	-.00316
#2	.27607	.00196	.90894	-.00169	.00236	39.158	83.798	-.00046	.20352	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00329**	**.00176**	**-.00199**	**.00006**	**.00530**	**.00392**
Stddev	.00002	.00041	.01306	.00026	.00011	.00182
%RSD	.68377	23.507	657.99	428.45	1.9912	46.557
#1	.00327	.00147	.00725	.00024	.00523	.00521
#2	.00331	.00205	-.01122	-.00012	.00538	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7281.6**	**104320.**	**6372.3**
Stddev	23.6	50.	15.4
%RSD	.32431	.04769	.24143
#1	7264.9	104280.	6361.4
#2	7298.3	104350.	6383.2

Sample Name: CCVH-2382126 Acquired: 11/15/2013 23:36:58 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00659**	**51.272**	**.00019**	**.00533**	**.00001**	**-.00014**	W **1.0749**	**-.00093**	**.00060**	**-.00073**	**.00020**	**.01986**
Stddev	.00001	.301	.00177	.00013	.00032	.00001	.0019	.00096	.00021	.00015	.00002	.00018
%RSD	.18654	.58769	930.15	2.4465	2692.4	4.6752	.18072	103.68	35.515	20.629	9.5114	.91951
#1	-.00658	51.485	-.00106	.00524	-.00021	-.00013	1.0735	-.00161	.00075	-.00063	.00019	.01973
#2	-.00660	51.059	.00145	.00542	.00023	-.00014	1.0763	-.00025	.00045	-.00084	.00022	.01999
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.562**	**.02487**	**.00146**	**.08943**	**.00105**	**.00067**	**273.30**	**-.00084**	**.00902**	**.00070**	W **5.2706**	**-.00425**
Stddev	.062	.00492	.00165	.00063	.00008	.00004	.06	.00023	.00036	.00021	.0042	.00076
%RSD	.12440	19.797	113.37	.70252	7.8096	5.9641	.02291	27.343	4.0068	30.241	.07873	17.848
#1	49.519	.02139	.00029	.08898	.00099	.00065	273.34	-.00068	.00876	.00055	5.2677	-.00479
#2	49.606	.02836	.00263	.08987	.00111	.00070	273.25	-.00101	.00927	.00085	5.2736	-.00371
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00406**	**.00667**	**.01427**	**.00073**	**.00049**	**4.8085**	**.01551**	**.00181**	W **8.9980**	**.00291**	**.00176**	**-.07609**
Stddev	.00187	.00936	.02004	.00075	.00000	.0006	.00007	.00057	.0329	.00033	.00021	.00008
%RSD	46.111	140.47	140.47	102.68	.01231	.01299	.42999	31.275	.36559	11.394	11.938	.10986
#1	-.00538	.01329	.02844	.00126	.00049	4.8089	.01556	.00141	8.9747	.00268	.00191	-.07615
#2	-.00274	.00004	.00010	.00020	.00049	4.8081	.01546	.00221	9.0212	.00315	.00161	-.07603
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6980.8**	**98572.**	**6084.9**
Stddev	.2	360.	10.4
%RSD	.00268	.36488	.17022
#1	6980.7	98318.	6092.3
#2	6980.9	98826.	6077.6

Sample Name: CCV-2372889 Acquired: 11/15/2013 23:39:23 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50740**	**.51977**	**1.0528**	**.53952**	**.52316**	**.50593**	**-.01063**	**5.0483**	**.52163**	**.52083**	**.52359**	**.52095**	**2.4950**
Stddev	.00196	.00055	.0008	.00111	.00202	.00022	.00123	.0227	.00035	.00088	.00062	.00038	.0124
%RSD	.38719	.10497	.07398	.20585	.38617	.04333	11.547	.44935	.06673	.16859	.11752	.07262	.49501
#1	.50601	.51938	1.0533	.54031	.52173	.50609	-.00977	5.0322	.52138	.52145	.52403	.52068	2.4863
#2	.50879	.52016	1.0522	.53873	.52459	.50578	-.01150	5.0643	.52188	.52021	.52316	.52121	2.5038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.662**	**1.0467**	**19.427**	**.50192**	**.52470**	**5.3725**	**.52956**	**1.0408**	**1.0681**	**.05514**	**1.0709**	**1.0693**	**4.9420**
Stddev	.127	.0044	.010	.00064	.00029	.0342	.00127	.0010	.0007	.00109	.0031	.0021	.0353
%RSD	.23714	.42338	.05246	.12702	.05503	.63648	.24057	.09563	.06378	1.9685	.28645	.19566	.71519
#1	53.572	1.0435	19.434	.50237	.52450	5.3483	.52866	1.0401	1.0676	.05591	1.0731	1.0678	4.9170
#2	53.752	1.0498	19.420	.50147	.52491	5.3967	.53046	1.0415	1.0685	.05437	1.0687	1.0707	4.9670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.576**	**1.0408**	**.51541**	**.00636**	**.49296**	**1.0586**	**.01247**	**.49979**	**.47866**	**.50323**
Stddev	.076	.0010	.00297	.00044	.00071	.0052	.00159	.00115	.00011	.00196
%RSD	.71519	.09383	.57532	6.8458	.14389	.48738	12.722	.22984	.02366	.38909
#1	10.522	1.0415	.51331	.00667	.49346	1.0550	.01134	.50060	.47874	.50184
#2	10.629	1.0401	.51751	.00605	.49245	1.0623	.01359	.49898	.47858	.50461
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.7**	**99757.**	**5979.5**
Stddev	9.4	157.	50.5
%RSD	.13463	.15748	.84434
#1	6963.1	99869.	6015.2
#2	6976.4	99646.	5943.8

Sample Name: CCB Acquired: 11/15/2013 23:41:31 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00139**	**.00007**	**.00421**	**-.00004**	**.00003**	**-.00093**	**.03344**	**.00033**	**-.00019**	**.00010**	**-.00055**
Stddev	.00003	.00211	.00035	.00064	.00026	.00000	.00017	.00342	.00005	.00009	.00008	.00036
%RSD	119.83	152.01	510.64	15.286	636.61	15.472	17.804	10.237	14.769	50.152	83.283	66.190
#1	-.00005	.00288	.00032	.00467	.00014	.00003	-.00082	.03102	.00037	-.00012	.00004	-.00029
#2	.00000	-.00010	-.00018	.00376	-.00022	.00003	-.00105	.03586	.00030	-.00025	.00016	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**-.01410**	**.00000**	F **.03193**	**.00022**	**.00250**	F **.34472**	**-.00002**	**.00163**	**.00090**	**.07441**	**.00261**
Stddev	.00104	.00006	.00225	.00029	.00001	.00051	.02616	.00031	.00044	.00169	.03422	.00153
%RSD	9.8481	.39601	306500.	.91041	5.2904	20.245	7.5895	1459.2	26.823	187.19	45.986	58.657
#1	.01128	-.01414	.00159	.03214	.00023	.00214	.32622	.00020	.00132	.00210	.09860	.00152
#2	.00981	-.01406	-.00159	.03172	.00021	.00286	.36322	-.00024	.00193	-.00029	.05021	.00369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.02140			.18320					
Low Limit				-.02140			-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**-.00765**	**-.01637**	**.00027**	F **.00179**	**-.00009**	**.00002**	**-.00104**	**.00255**	**-.00050**	**.00354**	W **.00470**
Stddev	.00029	.00322	.00690	.00012	.00011	.00004	.00030	.00005	.01070	.00016	.00021	.00044
%RSD	9.1488	42.123	42.123	42.558	6.0449	37.345	1535.8	4.6196	419.29	32.284	6.0431	9.3833
#1	.00340	-.00537	-.01150	.00019	.00171	-.00012	.00023	-.00101	.01012	-.00039	.00339	.00502
#2	.00299	-.00993	-.02125	.00035	.00186	-.00007	-.00019	-.00108	-.00501	-.00062	.00369	.00439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00050							.00238
Low Limit					-.00050							-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.3**	**102060.**	**5897.0**
Stddev	16.5	91.	60.8
%RSD	.23558	.08926	1.0308
#1	7000.9	102120.	5854.0
#2	6977.6	101990.	5939.9

Sample Name: CCVL-2383195 Acquired: 11/15/2013 23:43:51 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01027**	**.11037**	**.01578**	**.11097**	**.00996**	**.00099**	**.12538**	**.21126**	**.00564**	**.01084**	**.01082**	**.01557**	**.10322**
Stddev	.00041	.00003	.00220	.00018	.00013	.00001	.00061	.00276	.00013	.00005	.00005	.00021	.00140
%RSD	3.9686	.03152	13.965	.16430	1.2847	.68888	.48765	1.3054	2.2716	.47874	.49906	1.3774	1.3548
#1	.01056	.11034	.01734	.11084	.00987	.00100	.12495	.20931	.00555	.01087	.01078	.01542	.10421
#2	.00998	.11039	.01422	.11110	.01005	.00099	.12582	.21321	.00573	.01080	.01086	.01572	.10223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2538**	**.01132**	**.20645**	**.01056**	**.02051**	**1.1477**	**.04420**	**3.0764**	**.01056**	**.03788**	**.01021**	**.01603**	**.49266**
Stddev	.0093	.00158	.00284	.00001	.00015	.0165	.00029	.0122	.00019	.00066	.00205	.00372	.02261
%RSD	.28486	13.930	1.3739	.08352	.75245	1.4340	.65280	.39690	1.8146	1.7418	20.060	23.226	4.5898
#1	3.2472	.01244	.20444	.01055	.02040	1.1361	.04399	3.0678	.01070	.03835	.01166	.01867	.47667
#2	3.2603	.01021	.20845	.01057	.02062	1.1594	.04440	3.0850	.01043	.03742	.00876	.01340	.50865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0543**	**.10895**	**.01045**	**.01306**	**.00990**	**.01673**	F **.08981**	**.00933**	**.02473**	**.01849**
Stddev	.0484	.00030	.00015	.00151	.00010	.00061	.01493	.00031	.00027	.00043
%RSD	4.5898	.27316	1.4144	11.554	.98745	3.6205	16.621	3.3445	1.1053	2.3462
#1	1.0201	.10874	.01035	.01200	.00996	.01716	.10036	.00956	.02454	.01818
#2	1.0885	.10916	.01056	.01413	.00983	.01630	.07925	.00911	.02493	.01880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7168.7**	**104240.**	**5962.3**
Stddev	8.7	418.	1.6
%RSD	.12087	.40116	.02640
#1	7174.8	103950.	5963.4
#2	7162.5	104540.	5961.2

Sample Name: mb 280-199645/1-a Acquired: 11/15/2013 23:46:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00105**	**-.00134**	**.00322**	**-.00041**	**.00000**	**-.00262**	**.00731**	**.00029**	**-.00020**
Stddev	.00001	.00022	.00150	.00005	.00004	.0000	.00090	.00007	.00011	.00003
%RSD	3.1346	20.500	111.75	1.4453	10.449	1135.7	34.395	.90724	38.932	13.621
#1	-.00027	.00090	-.00240	.00325	-.00038	-.00002	-.00326	.00735	.00037	-.00021
#2	-.00028	.00121	-.00028	.00319	-.00044	.00002	-.00198	.00726	.00021	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00075**	**.00439**	**-.01347**	**.00179**	**.00082**	**.00008**	**.00007**	**.11942**	**-.00009**
Stddev	.00001	.00004	.00112	.01215	.00250	.00146	.00002	.00017	.00775	.00024
%RSD	13.836	5.0318	25.558	90.244	139.64	178.13	25.929	249.40	6.4902	262.41
#1	.00008	-.00078	.00519	-.00487	.00002	.00186	.00006	-.00005	.11394	.00008
#2	.00007	-.00073	.00360	-.02206	.00356	-.00021	.00009	.00019	.12490	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00444**	**.00027**	**.04227**	**-.00146**	**-.00121**	**.00768**	**.01644**	**.00010**	**.00011**	**-.00080**
Stddev	.00063	.00118	.00338	.00008	.00053	.01365	.02921	.00007	.00003	.00033
%RSD	14.204	434.56	7.9969	5.3615	43.834	177.65	177.65	66.674	28.510	41.560
#1	.00489	.00111	.04466	-.00151	-.00158	-.00197	-.00421	.00006	.00013	-.00104
#2	.00400	-.00056	.03988	-.00140	-.00083	.01733	.03709	.00015	.00009	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00035**	**.02724**	**-.00088**	**.00657**	**.00342**
Stddev	.0002	.00032	.00961	.00026	.00024	.00125
%RSD	6068.2	90.622	35.284	30.048	3.6074	36.377
#1	.00016	-.00012	.02044	-.00106	.00640	.00254
#2	-.00017	-.00057	.03403	-.00069	.00673	.00431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7096.9**	**104370.**	**5982.1**
Stddev	5.2	280.	.7
%RSD	.07317	.26816	.01223
#1	7093.2	104570.	5982.6
#2	7100.5	104170.	5981.6

Sample Name: lcs 280-199645/2-a Acquired: 11/15/2013 23:48:31 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05161**	**1.9903**	F **1.1056**	**1.1013**	**2.1481**	**.05133**	**2.3100**	**50.660**	**.10766**	**.51876**
Stddev	.00018	.0021	.0051	.0058	.0029	.00038	.0070	.229	.00044	.00031
%RSD	.34524	.10551	.46276	.52576	.13640	.74927	.30233	.45140	.40484	.06024
#1	.05173	1.9888	1.1020	1.0972	2.1501	.05160	2.3051	50.822	.10735	.51854
#2	.05148	1.9918	1.1092	1.1054	2.1460	.05105	2.3150	50.498	.10797	.51898
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1050							
Low Limit			.87500							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21578**	**.27209**	**1.0154**	**55.963**	**1.0835**	**49.997**	**.50911**	**1.0806**	F **56.622**	**.52794**
Stddev	.00163	.00021	.0008	.213	.0019	.073	.00070	.0014	.080	.00427
%RSD	.75644	.07796	.08228	.37993	.17037	.14691	.13780	.12520	.14168	.80808
#1	.21463	.27224	1.0160	56.113	1.0848	49.945	.50861	1.0816	56.566	.52492
#2	.21694	.27194	1.0148	55.813	1.0822	50.049	.50961	1.0797	56.679	.53096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.893**	**.53922**	**.06145**	W **.54993**	**2.2382**	**10.223**	**21.876**	**2.1249**	**1.0552**	**1.0053**
Stddev	.014	.00380	.00141	.00145	.0051	.008	.018	.0009	.0016	.0001
%RSD	.12510	.70415	2.3024	.26362	.22949	.08082	.08082	.04217	.14997	.01376
#1	10.903	.53653	.06245	.55095	2.2418	10.217	21.864	2.1243	1.0564	1.0054
#2	10.884	.54190	.06045	.54890	2.2346	10.228	21.889	2.1255	1.0541	1.0052
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.54000						
Low Limit				.44000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0263**	**2.0878**	F **2.5528**	**.51762**	**.48549**	**.50508**
Stddev	.0009	.0017	.0075	.00109	.00094	.00146
%RSD	.08383	.08261	.29451	.21075	.19404	.28998
#1	1.0270	2.0890	2.5581	.51840	.48483	.50405
#2	1.0257	2.0866	2.5475	.51685	.48616	.50612
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6853.3**	**97808.**	**6017.6**
Stddev	6.8	5.	62.3
%RSD	.09897	.00513	1.0353
#1	6858.1	97811.	5973.5
#2	6848.5	97804.	6061.6

Sample Name: 280-48842-h-1-a Acquired: 11/15/2013 23:50:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	W **2.5330**	W **2.9625**	**.00162**	**2.2897**	**.06335**	**.00011**	**-.00368**	**75.286**	**.00057**
Stddev	.00049	.0059	.0190	.00336	.0054	.00069	.00000	.00003	.286	.00029
%RSD	58.069	.23359	.64274	206.64	.23500	1.0841	4.4817	.84098	.37954	50.499
#1	-.00050	2.5371	2.9760	.00400	2.2859	.06383	.00010	-.00370	75.488	.00077
#2	-.00119	2.5288	2.9491	-.00075	2.2935	.06286	.00011	-.00366	75.083	.00036
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00231**	**.00702**	**1.8050**	**2.7854**	**.05209**	**15.922**	**.09889**	**.04940**	W **821.10**
Stddev	.00005	.00006	.00015	.0076	.0121	.00053	.065	.00040	.00097	3.80
%RSD	41.859	2.7164	2.1727	.41848	.43361	1.0121	.40552	.40108	1.9586	.46318
#1	.00009	.00227	.00713	1.8103	2.7769	.05246	15.877	.09861	.04871	823.79
#2	.00016	.00235	.00691	1.7996	2.7940	.05172	15.968	.09917	.05008	818.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**.11721**	**.00156**	F **262.38**	**-.00202**	**.03680**	**9.5371**	**20.409**	**.00067**	**1.9990**
Stddev	.00039	.00138	.00060	.00	.00030	.00227	.0623	.133	.00012	.0085
%RSD	19.993	1.1795	38.356	.00160	14.850	6.1671	.65343	.65343	17.110	.42538
#1	.00168	.11623	.00114	262.38	-.00180	.03519	9.5812	20.504	.00059	2.0051
#2	.00223	.11818	.00198	262.38	-.00223	.03840	9.4931	20.315	.00076	1.9930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				200.00						
Low Limit				-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.02421**	**.00134**	**.14664**	**.01313**	**.01126**	**.00766**
Stddev	.00000	.00067	.00101	.03766	.00015	.00008	.00287
%RSD	.53334	2.7705	75.489	25.685	1.1052	.71315	37.481
#1	.00089	.02373	.00063	.17327	.01324	.01120	.00969
#2	.00089	.02468	.00206	.12001	.01303	.01132	.00563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6607.3**	**92688.**	**5998.1**
Stddev	10.1	185.	49.6
%RSD	.15247	.19963	.82739
#1	6614.4	92819.	6033.2
#2	6600.2	92558.	5963.1

Sample Name: 280-48842-h-4-a Acquired: 11/15/2013 23:53:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**4.0463**	**.00110**	**2.2150**	**.08130**	**.00020**	**-.00435**	**88.224**	**.00074**	**.00047**
Stddev	.00008	.0235	.00019	.0068	.00059	.00001	.00049	.477	.00010	.00032
%RSD	10.719	.58085	16.941	.30798	.72989	5.0884	11.285	.54098	13.298	67.402
#1	-.00073	4.0629	.00097	2.2198	.08172	.00021	-.00400	88.562	.00081	.00025
#2	-.00084	4.0296	.00123	2.2101	.08088	.00019	-.00469	87.887	.00067	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00291**	**.00638**	**2.6778**	**3.4847**	**.05499**	**18.085**	**.10001**	**.04507**	W **813.85**	**.00232**
Stddev	.00018	.00015	.0121	.0499	.00046	.036	.00039	.00055	4.19	.00001
%RSD	6.1458	2.3389	.45102	1.4310	.83241	.19847	.39374	1.2192	.51530	.56025
#1	.00303	.00627	2.6692	3.4494	.05467	18.060	.09973	.04468	816.82	.00233
#2	.00278	.00649	2.6863	3.5199	.05532	18.110	.10029	.04546	810.88	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12309**	**.00187**	F **261.09**	**-.00086**	**.03106**	**11.814**	**25.283**	**.00081**	**2.3418**	**.00068**
Stddev	.00019	.00026	.43	.00213	.00080	.029	.061	.00017	.0131	.00165
%RSD	.15711	14.183	.16518	246.80	2.5730	.24173	.24173	20.900	.56047	241.53
#1	.12295	.00168	261.39	.00064	.03049	11.794	25.239	.00093	2.3510	.00185
#2	.12323	.00205	260.78	-.00237	.03162	11.834	25.326	.00069	2.3325	-.00048
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03617**	**-.00025**	**.13418**	**.01310**	**.01444**	**.00622**
Stddev	.00064	.00015	.01350	.00016	.00045	.00153
%RSD	1.7656	58.733	10.063	1.2137	3.0828	24.564
#1	.03572	-.00035	.12463	.01299	.01413	.00730
#2	.03663	-.00014	.14372	.01322	.01476	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6611.4**	**93060.**	**5983.2**
Stddev	17.8	562.	45.4
%RSD	.26910	.60364	.75880
#1	6623.9	93457.	5951.1
#2	6598.8	92663.	6015.3

Sample Name: 280-48842-h-5-a Acquired: 11/15/2013 23:55:23 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00590**	**-.00378**	**1.6459**	**.00955**	**-.00002**	**-.00313**	**67.220**	**.00045**	**-.00060**
Stddev	.00033	.00050	.00121	.0141	.00006	.00001	.00045	.354	.00009	.00018
%RSD	75.136	8.4393	32.054	.85765	.57795	51.837	14.399	.52643	21.131	29.835
#1	-.00020	.00626	-.00464	1.6359	.00951	-.00003	-.00281	67.471	.00038	-.00047
#2	-.00066	.00555	-.00293	1.6559	.00958	-.00001	-.00345	66.970	.00051	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00308**	**.03107**	**.73313**	**.11204**	**12.495**	**.04525**	**.00182**	W **1298.5**	**.00073**
Stddev	.00018	.00006	.00257	.04802	.00011	.062	.00016	.00020	5.5	.00013
%RSD	113.91	2.0488	8.2671	6.5497	.09688	.49819	.34654	10.801	.42395	17.069
#1	.00028	.00303	.02925	.69918	.11196	12.539	.04536	.00168	1302.4	.00065
#2	.00003	.00312	.03289	.76709	.11212	12.451	.04514	.00196	1294.6	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02040**	**-.00056**	F **531.63**	**.00015**	**.02388**	**5.9620**	**12.759**	**-.00030**	**1.7618**	**-.00196**
Stddev	.00153	.00099	.38	.00126	.00179	.0136	.029	.00039	.0108	.00035
%RSD	7.4776	176.71	.07200	849.30	7.5113	.22883	.22883	128.93	.61198	18.021
#1	.02148	.00014	531.90	.00104	.02261	5.9716	12.779	-.00057	1.7695	-.00221
#2	.01932	-.00126	531.36	-.00075	.02514	5.9523	12.738	-.00003	1.7542	-.00171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00034**	**.10092**	**.00086**	**.00922**	**.00398**
Stddev	.00002	.00040	.01810	.00027	.00019	.00003
%RSD	8.3364	116.12	17.932	31.658	2.0679	.64949
#1	-.00024	-.00006	.08813	.00066	.00909	.00397
#2	-.00022	-.00063	.11372	.00105	.00936	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6350.2**	**88559.**	**5922.7**
Stddev	8.3	775.	32.7
%RSD	.13100	.87563	.55214
#1	6344.4	88011.	5899.6
#2	6356.1	89107.	5945.8

Sample Name: 280-48842-a-6-a Acquired: 11/15/2013 23:58:27 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.00656**	**.02164**	**.76274**	**.12767**	**-.00008**	**-.00286**	**23.675**	**.00037**	**-.00027**
Stddev	.00043	.00043	.00032	.00263	.00197	.00002	.00051	.353	.00009	.00012
%RSD	65.648	6.5357	1.4810	.34475	1.5449	18.318	17.643	1.4915	24.155	43.320
#1	-.00096	.00686	.02141	.76088	.12627	-.00010	-.00322	23.426	.00030	-.00036
#2	-.00035	.00625	.02187	.76460	.12906	-.00007	-.00251	23.925	.00043	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00151**	**.57711**	**.62767**	**.01716**	**5.8962**	**.55619**	**.00564**	**358.20**	**.00096**
Stddev	.00002	.00009	.01130	.01186	.00014	.0190	.00116	.00003	5.05	.00022
%RSD	11.783	6.2724	1.9587	1.8895	.82471	.32263	.20908	.50846	1.4089	22.578
#1	.00012	.00145	.56911	.63605	.01726	5.8827	.55537	.00566	354.63	.00081
#2	.00014	.00158	.58510	.61928	.01706	5.9096	.55701	.00562	361.77	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41376**	**.00104**	**38.892**	**-.00221**	**.00000**	**5.1782**	**11.081**	**.00021**	**.59327**	**-.00021**
Stddev	.00144	.00022	.006	.00033	.00451	.0833	.178	.00110	.00837	.00044
%RSD	.34737	21.092	.01667	14.760	300400.	1.6079	1.6079	518.65	1.4111	212.71
#1	.41275	.00089	38.897	-.00198	-.00319	5.1194	10.955	.00099	.58735	-.00052
#2	.41478	.00120	38.888	-.00244	.00319	5.2371	11.207	-.00057	.59919	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00062**	**-.00694**	**.00037**	**.00875**	**.00294**
Stddev	.00010	.00073	.01334	.00003	.00014	.00027
%RSD	45.408	117.36	192.34	6.7464	1.6239	9.0776
#1	-.00015	-.00113	-.01637	.00039	.00865	.00312
#2	-.00030	-.00011	.00250	.00036	.00885	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6732.2**	**95188.**	**5941.5**
Stddev	24.3	102.	108.2
%RSD	.36145	.10679	1.8212
#1	6715.0	95260.	6018.0
#2	6749.4	95116.	5865.0

Sample Name: 280-48842-h-7-a Acquired: 11/16/2013 0:00:54 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.05128**	**-.00009**	**1.3975**	**.02284**	**-.00008**	**-.00162**	**16.426**	**.00014**	**-.00062**
Stddev	.00033	.00029	.00076	.0113	.00033	.00005	.00064	.035	.00008	.00029
%RSD	53.351	.56778	886.10	.80771	1.4334	53.671	39.858	.21234	60.059	46.180
#1	-.00084	.05108	.00045	1.3895	.02261	-.00005	-.00116	16.451	.00008	-.00082
#2	-.00038	.05149	-.00063	1.4055	.02307	-.00012	-.00207	16.402	.00019	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00222**	**.03755**	**.55834**	**.14111**	**2.9667**	**.01186**	**.00398**	W **602.62**	**.00079**
Stddev	.00001	.00015	.00037	.04060	.00026	.0064	.00003	.00001	.59	.00007
%RSD	1.2552	6.7747	.97463	7.2707	.18604	.21648	.24897	.34421	.09788	8.2235
#1	.00107	.00233	.03780	.52964	.14092	2.9712	.01188	.00397	603.04	.00084
#2	.00109	.00212	.03729	.58705	.14130	2.9621	.01184	.00399	602.21	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02131**	**-.00036**	**93.824**	**-.00147**	**.01132**	**5.1755**	**11.076**	**.00005**	**.72224**	**-.00122**
Stddev	.00066	.00037	.200	.00000	.00583	.0033	.007	.00007	.00088	.00009
%RSD	3.0999	105.14	.21362	.15929	51.501	.06382	.06382	137.34	.12145	7.6131
#1	.02178	-.00062	93.682	-.00147	.00720	5.1779	11.081	.00009	.72162	-.00129
#2	.02084	-.00009	93.965	-.00147	.01544	5.1732	11.071	.00000	.72286	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00035**	**.11493**	**.00173**	**.00856**	**.00426**
Stddev	.00022	.00003	.01603	.00044	.00040	.00010
%RSD	99.119	9.8811	13.945	25.437	4.7102	2.3591
#1	.00007	-.00032	.12626	.00204	.00885	.00419
#2	.00037	-.00037	.10360	.00142	.00828	.00433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6594.8**	**92304.**	**5930.2**
Stddev	7.1	487.	11.9
%RSD	.10767	.52718	.20068
#1	6589.8	91960.	5921.8
#2	6599.8	92648.	5938.6

Sample Name: 280-48842-a-8-a Acquired: 11/16/2013 0:03:21 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00283**	**-.00401**	**1.3502**	**.01750**	**-.00004**	**-.00096**	**25.676**	**.00032**	**-.00075**
Stddev	.00039	.00004	.00026	.0024	.00005	.00007	.00204	.045	.00007	.00009
%RSD	71.701	1.5685	6.3753	.18099	.27232	167.46	213.44	.17350	22.592	11.737
#1	-.00027	.00280	-.00419	1.3484	.01747	.00001	-.00240	25.644	.00027	-.00081
#2	-.00082	.00286	-.00383	1.3519	.01754	-.00009	.00049	25.707	.00038	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00164**	**.00342**	**.56108**	**.12757**	**4.5676**	**.00139**	**.00236**	W **596.17**	**.00004**
Stddev	.00017	.00006	.00196	.00677	.00003	.0121	.00005	.00038	.39	.00012
%RSD	32.438	3.3722	57.379	1.2072	.02499	.26443	3.5893	16.065	.06469	347.73
#1	.00040	.00168	.00480	.56587	.12759	4.5590	.00135	.00209	596.44	.00012
#2	.00064	.00160	.00203	.55629	.12755	4.5761	.00142	.00262	595.90	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00945**	**-.00016**	**106.91**	**-.00240**	**.01151**	**4.5539**	**9.7453**	**-.00024**	**.65366**	**-.00160**
Stddev	.00055	.00108	.02	.00049	.00093	.0575	.1230	.00011	.00136	.00090
%RSD	5.8449	687.15	.01477	20.303	8.0881	1.2623	1.2623	45.766	.20882	56.148
#1	.00984	-.00092	106.90	-.00274	.01217	4.5132	9.6583	-.00031	.65463	-.00223
#2	.00906	.00060	106.92	-.00205	.01085	4.5945	9.8322	-.00016	.65270	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00048**	**.16524**	**.00271**	**.00521**	**.00358**
Stddev	.00029	.00003	.01312	.00043	.00028	.00037
%RSD	204.39	5.3612	7.9414	15.893	5.4297	10.297
#1	-.00035	.00050	.15596	.00301	.00501	.00384
#2	.00006	.00046	.17452	.00240	.00541	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6590.8**	**93230.**	**5987.5**
Stddev	13.0	122.	8.0
%RSD	.19657	.13112	.13386
#1	6581.6	93317.	5993.1
#2	6600.0	93144.	5981.8

Sample Name: 48003-13 T Acquired: 11/16/2013 0:05:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: ZN DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.01231**	**-.00042**	**.06428**	**.02803**	**.00000**	**.00290**	**138.56**	**.00012**	**.00018**
Stddev	.00030	.00036	.00144	.00037	.00046	.00005	.00145	.38	.00025	.00008
%RSD	43.568	2.8851	341.66	.58078	1.6505	1971.1	50.073	.27562	204.23	44.868
#1	-.00048	.01256	.00060	.06402	.02770	.00004	.00187	138.29	-.00005	.00024
#2	-.00091	.01206	-.00144	.06454	.02835	-.00003	.00392	138.83	.00029	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00181**	**.52939**	**7.2381**	**.00343**	**7.7191**	**.00840**	**-.00009**	**60.503**	**.00080**
Stddev	.00002	.00028	.00131	.0221	.00231	.0009	.00006	.00001	.164	.00007
%RSD	2.9520	15.612	.24838	.30551	67.525	.01177	.71018	7.0842	.27186	8.6482
#1	.00075	.00161	.52846	7.2225	.00506	7.7185	.00836	-.00010	60.620	.00084
#2	.00078	.00201	.53032	7.2537	.00179	7.7198	.00844	-.00009	60.387	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03712**	**.00000**	**1.9588**	**-.00207**	**-.00271**	**4.6546**	**9.9609**	**.00038**	**1.1655**	**-.00128**
Stddev	.00057	.0001	.0147	.00034	.00161	.0343	.0734	.00083	.0043	.00121
%RSD	1.5273	1853.2	.75246	16.529	59.433	.73674	.73674	217.58	.37213	94.142
#1	.03752	-.00004	1.9484	-.00183	-.00157	4.6304	9.9090	-.00020	1.1625	-.00043
#2	.03671	.00003	1.9693	-.00232	-.00385	4.6789	10.013	.00097	1.1686	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00169**	**.00673**	**.00126**	**.00237**	**.00477**
Stddev	.00034	.00186	.00557	.00004	.00013	.00100
%RSD	144.14	110.14	82.712	2.9546	5.6751	20.923
#1	-.00048	.00300	.00279	.00128	.00246	.00406
#2	.00000	.00037	.01067	.00123	.00227	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.8**	**102370.**	**6116.3**
Stddev	28.3	132.	25.5
%RSD	.39901	.12924	.41749
#1	7118.8	102280.	6134.4
#2	7078.8	102460.	6098.3

Sample Name: 48003-16 T Acquired: 11/16/2013 0:08:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: ZN DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.02026**	**-.00137**	**.07740**	**.04550**	**-.00001**	**.00203**	**182.05**	**.00012**	**-.00039**
Stddev	.00020	.00014	.00110	.00065	.00015	.00006	.00023	.06	.00015	.00008
%RSD	122.59	.71110	80.327	.84133	.33079	564.66	11.243	.03369	122.73	20.475
#1	-.00030	.02016	-.00059	.07786	.04561	-.00006	.00187	182.01	.00022	-.00045
#2	-.00002	.02036	-.00215	.07694	.04539	.00003	.00219	182.09	.00002	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00166**	**1.3651**	**22.622**	**.00425**	**8.1785**	**.02068**	**.00038**	**161.58**	**.00095**
Stddev	.00015	.00035	.0021	.003	.00016	.0207	.00012	.00027	.35	.00017
%RSD	20.326	20.787	.15001	.01181	3.6776	.25296	.57006	71.163	.21582	18.285
#1	.00086	.00191	1.3666	22.624	.00414	8.1932	.02060	.00057	161.33	.00107
#2	.00064	.00142	1.3637	22.620	.00437	8.1639	.02077	.00019	161.82	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03301**	**-.00216**	**2.5934**	**-.00212**	**-.00097**	**4.3600**	**9.3304**	**-.00022**	**1.5340**	**-.00022**
Stddev	.00150	.00115	.0059	.00013	.00176	.0192	.0411	.00016	.0025	.00006
%RSD	4.5493	53.019	.22609	6.0470	181.15	.44053	.44053	74.616	.16026	24.714
#1	.03195	-.00297	2.5976	-.00203	-.00222	4.3736	9.3594	-.00010	1.5323	-.00019
#2	.03407	-.00135	2.5893	-.00222	.00027	4.3464	9.3013	-.00034	1.5358	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00217**	**.00590**	**.00013**	**.00218**	**.00514**
Stddev	.00007	.00031	.04040	.00020	.00048	.00077
%RSD	17.756	14.319	684.35	152.94	21.947	14.957
#1	-.00032	.00195	.03447	.00028	.00251	.00459
#2	-.00042	.00239	-.02266	-.00001	.00184	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6916.7**	**99942.**	**6182.3**
Stddev	1.3	32.	30.5
%RSD	.01926	.03197	.49325
#1	6917.6	99964.	6203.8
#2	6915.8	99919.	6160.7

Sample Name: CCVH-2382126 Acquired: 11/16/2013 0:10:36 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00640**	**49.615**	**-.00016**	**.00596**	**.00005**	**-.00004**	**1.0423**	**.05926**	**.00067**	**-.00056**	**.00034**	**.01874**
Stddev	.00002	.195	.00113	.00034	.00016	.00003	.0026	.00385	.00006	.00009	.00001	.00014
%RSD	.38014	.39259	721.97	5.6253	309.45	78.201	.25175	6.5014	9.4167	15.730	3.9263	.74096
#1	-.00642	49.477	.00064	.00572	-.00006	-.00002	1.0405	.06199	.00071	-.00063	.00033	.01884
#2	-.00639	49.753	-.00096	.00619	.00017	-.00007	1.0442	.05654	.00062	-.00050	.00035	.01864
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.972**	**.04076**	**.00090**	**.09192**	**.00117**	**.00043**	**266.53**	**-.00036**	**.00399**	**.00176**	**5.1208**	**-.00288**
Stddev	.020	.01959	.00051	.00038	.00000	.00002	.35	.00001	.00438	.00059	.0007	.00032
%RSD	.04096	48.073	57.223	.41063	.31326	4.3727	.13029	4.0842	109.99	33.263	.01354	11.065
#1	47.986	.02690	.00053	.09166	.00117	.00041	266.28	-.00035	.00089	.00135	5.1212	-.00311
#2	47.958	.05461	.00126	.09219	.00117	.00044	266.78	-.00038	.00709	.00217	5.1203	-.00266
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00478**	**-.00316**	**-.00677**	**.00054**	**.00059**	W **4.7115**	**.01516**	**.00086**	F **8.7672**	**.00307**	**.00229**	**-.07419**
Stddev	.00143	.00249	.00533	.00064	.00004	.0022	.00011	.00029	.0241	.00008	.00016	.00236
%RSD	29.870	78.733	78.733	120.38	6.5399	.04571	.74314	33.699	.27468	2.5424	7.1503	3.1761
#1	-.00377	-.00140	-.00300	.00008	.00062	4.7130	.01524	.00106	8.7843	.00313	.00217	-.07586
#2	-.00579	-.00492	-.01053	.00099	.00056	4.7099	.01508	.00065	8.7502	.00302	.00240	-.07252
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.0**	**98520.**	**5912.2**
Stddev	10.5	46.	28.7
%RSD	.14978	.04677	.48577
#1	7024.5	98487.	5891.9
#2	7009.6	98552.	5932.5

Sample Name: CCV-2372889 Acquired: 11/16/2013 0:12:59 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49909**	**.51741**	**1.0305**	**.52800**	**.51365**	**.49567**	**-.00850**	**5.0248**	**.51050**	**.51247**	**.51606**	**.50926**	**2.4699**
Stddev	.00058	.00061	.0027	.00214	.00335	.00059	.00034	.0132	.00154	.00172	.00149	.00066	.0119
%RSD	.11634	.11722	.26485	.40469	.65147	.11833	4.0578	.26261	.30069	.33514	.28947	.13009	.48275
#1	.49868	.51699	1.0286	.52649	.51128	.49526	-.00874	5.0155	.50941	.51125	.51500	.50879	2.4615
#2	.49950	.51784	1.0324	.52951	.51601	.49609	-.00826	5.0342	.51158	.51368	.51711	.50973	2.4783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.268**	**1.0265**	**19.173**	**.49465**	**.51524**	**5.3997**	**.52279**	**1.0248**	**1.0559**	**.04069**	**1.0488**	**1.0454**	**4.8946**
Stddev	.137	.0044	.039	.00114	.00303	.0026	.00595	.0046	.0089	.00219	.0129	.0107	.0057
%RSD	.25799	.42903	.20540	.22991	.58862	.04721	1.1376	.44369	.84135	5.3945	1.2327	1.0275	.11674
#1	53.170	1.0234	19.201	.49545	.51309	5.4015	.51859	1.0216	1.0496	.03914	1.0396	1.0378	4.8905
#2	53.365	1.0296	19.145	.49385	.51738	5.3979	.52700	1.0280	1.0622	.04224	1.0579	1.0530	4.8986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.474**	**1.0264**	**.50506**	**.00722**	**.48333**	**1.0439**	**.01018**	**.49314**	**.47632**	**.49322**
Stddev	.012	.0087	.00160	.00161	.00070	.0089	.00783	.00056	.00021	.00148
%RSD	.11674	.84361	.31607	22.364	.14420	.84761	76.921	.11304	.04342	.30029
#1	10.466	1.0202	.50394	.00608	.48382	1.0377	.00464	.49353	.47647	.49217
#2	10.483	1.0325	.50619	.00836	.48284	1.0502	.01571	.49274	.47618	.49426
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6987.9**	**99956.**	**5814.5**
Stddev	28.2	624.	4.8
%RSD	.40310	.62476	.08210
#1	7007.8	99514.	5817.8
#2	6968.0	100400.	5811.1

Sample Name: CCB Acquired: 11/16/2013 0:15:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00246**	**.00033**	W **.00494**	**-.00020**	**.00009**	**.00010**	**.00640**	**.00024**	**-.00002**	**.00013**	**-.00133**
Stddev	.00004	.00204	.00054	.00025	.00023	.00010	.00167	.00403	.00007	.00009	.00006	.00002
%RSD	14.682	82.691	161.62	5.0394	110.76	113.30	1648.9	62.951	28.048	355.00	45.987	1.4176
#1	.00026	.00102	.00072	.00512	-.00004	.00002	-.00108	.00924	.00019	-.00009	.00018	-.00132
#2	.00032	.00390	-.00005	.00477	-.00036	.00015	.00128	.00355	.00029	.00004	.00009	-.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.02188**	**.00200**	**.00144**	**.00010**	**.00214**	W **.14484**	**.00001**	**-.00043**	**-.00041**	**.04427**	**.00166**
Stddev	.00074	.05512	.00285	.00004	.00001	.00051	.00993	.00024	.00038	.00175	.00559	.00279
%RSD	24.034	251.97	142.46	2.4391	13.216	23.971	6.8531	3366.9	89.276	427.48	12.623	167.77
#1	.00359	.06085	-.00001	.00146	.00009	.00178	.13782	-.00016	-.00016	.00083	.04032	-.00031
#2	.00254	-.01710	.00401	.00141	.00011	.00251	.15185	.00017	-.00070	-.00164	.04822	.00363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**.00247**	**.00529**	**.00020**	**.00015**	**.00033**	**.00010**	**-.00077**	**.00139**	**-.00068**	**.00311**	W **.00350**
Stddev	.00058	.00836	.01789	.00002	.00017	.00035	.00006	.00009	.03763	.00010	.00016	.00030
%RSD	15.446	338.25	338.25	9.4876	113.31	105.22	61.069	11.152	2706.5	14.313	5.2387	8.6190
#1	.00413	.00838	.01794	.00019	.00027	.00009	.00015	-.00083	.02800	-.00075	.00323	.00371
#2	.00332	-.00344	-.00736	.00022	.00003	.00058	.00006	-.00071	-.02522	-.00061	.00300	.00328
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6986.9**	**101950.**	**5808.4**
Stddev	.7	687.	35.2
%RSD	.01008	.67361	.60618
#1	6987.4	101470.	5783.5
#2	6986.4	102440.	5833.3

Sample Name: CCVL-2383195 Acquired: 11/16/2013 0:17:27 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.11146**	**.01589**	**.10942**	**.01052**	**.00105**	**.12392**	**.22642**	**.00551**	**.01079**	**.01069**	**.01518**	**.10739**
Stddev	.00091	.00020	.00209	.00027	.00014	.00003	.00183	.00849	.00006	.00003	.00029	.00018	.00252
%RSD	9.1387	.17961	13.175	.25089	1.3369	2.4096	1.4806	3.7507	1.0925	.24343	2.6731	1.1919	2.3461
#1	.01058	.11132	.01737	.10922	.01042	.00103	.12522	.23243	.00556	.01077	.01048	.01505	.10918
#2	.00929	.11160	.01441	.10961	.01062	.00107	.12263	.22042	.00547	.01080	.01089	.01531	.10561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3123**	**.01119**	**.20858**	**.01052**	**.02053**	**1.2216**	**.04389**	**3.0419**	**.01135**	**.03274**	**.01119**	**.01709**	**.48717**
Stddev	.0551	.00007	.00126	.00001	.00028	.0172	.00006	.0064	.00004	.00378	.00068	.00016	.01676
%RSD	1.6624	.66704	.60447	.10573	1.3453	1.4090	.13740	.20893	.38725	11.557	6.0697	.94317	3.4405
#1	3.2734	.01114	.20769	.01053	.02033	1.2338	.04393	3.0374	.01132	.03006	.01167	.01720	.47532
#2	3.3513	.01125	.20947	.01051	.02072	1.2095	.04385	3.0464	.01138	.03541	.01071	.01697	.49902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0425**	**.10830**	**.01043**	**.01306**	**.00968**	**.01723**	F **.09654**	**.00928**	**.02492**	**.01824**
Stddev	.0359	.00190	.00008	.00058	.00001	.00029	.01506	.00009	.00019	.00126
%RSD	3.4405	1.7568	.81345	4.4122	.12207	1.7031	15.605	1.0119	.77584	6.9209
#1	1.0172	.10696	.01049	.01266	.00968	.01743	.08588	.00921	.02478	.01735
#2	1.0679	.10965	.01037	.01347	.00969	.01702	.10719	.00934	.02505	.01914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7143.1**	**103500.**	**5805.4**
Stddev	11.9	389.	39.1
%RSD	.16704	.37625	.67431
#1	7151.5	103230.	5833.0
#2	7134.7	103780.	5777.7

Sample Name: 280-48842-h-9-a Acquired: 11/16/2013 0:19:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**9.8900**	**-.00024**	**.81886**	**.16418**	**.00040**	**-.00378**	**79.178**	**.00066**	**.00169**
Stddev	.00003	.0687	.00014	.00031	.00094	.00006	.00092	.324	.00014	.00002
%RSD	4.1001	.69443	56.821	.03746	.57512	16.023	24.275	.40890	22.018	1.3724
#1	-.00071	9.9386	-.00034	.81908	.16484	.00035	-.00313	79.407	.00076	.00168
#2	-.00067	9.8414	-.00014	.81864	.16351	.00044	-.00443	78.949	.00055	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00817**	**.00568**	**4.7531**	**2.3014**	**.15674**	**17.205**	**.22957**	**.01684**	W **885.44**	**.00627**
Stddev	.00009	.00034	.0073	.0075	.00055	.033	.00004	.00012	4.27	.00012
%RSD	1.1473	5.9872	.15439	.32437	.34924	.19124	.01860	.70793	.48257	1.8761
#1	.00810	.00592	4.7583	2.2961	.15635	17.229	.22960	.01693	888.46	.00635
#2	.00823	.00544	4.7479	2.3067	.15713	17.182	.22953	.01676	882.42	.00619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21406**	**.00193**	F **400.20**	**-.00256**	**.01089**	**22.622**	**48.411**	**.00016**	**4.2929**	**.00171**
Stddev	.00155	.00072	.44	.00018	.00358	.006	.012	.00013	.0176	.00021
%RSD	.72330	37.362	.11069	6.9081	32.862	.02563	.02563	76.293	.41034	12.485
#1	.21516	.00243	400.51	-.00268	.00836	22.626	48.420	.00008	4.3053	.00156
#2	.21297	.00142	399.88	-.00243	.01342	22.618	48.402	.00025	4.2804	.00187
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05032**	**-.00099**	**.04505**	**.01408**	**.02148**	**.00540**
Stddev	.00024	.00064	.03211	.00046	.00031	.00195
%RSD	.47494	64.358	71.286	3.2929	1.4279	36.163
#1	.05015	-.00144	.06776	.01440	.02170	.00678
#2	.05049	-.00054	.02234	.01375	.02126	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6684.9**	**93054.**	**5872.6**
Stddev	7.6	222.	7.1
%RSD	.11354	.23890	.12060
#1	6679.5	92896.	5877.6
#2	6690.2	93211.	5867.5

Sample Name: 280-48842-h-10-a Acquired: 11/16/2013 0:22:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**1.9336**	**.00144**	**1.7067**	**.02003**	**.00013**	**-.00364**	**14.954**	**.00034**	**.00046**
Stddev	.00019	.0054	.00201	.0104	.00016	.00003	.00001	.091	.00002	.00001
%RSD	22.447	.28082	139.21	.60867	.78984	21.641	.37970	.60858	5.6473	2.8158
#1	.00072	1.9375	.00002	1.7140	.01992	.00015	-.00365	15.019	.00032	.00045
#2	.00099	1.9298	.00287	1.6993	.02014	.00011	-.00363	14.890	.00035	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00519**	**.00515**	**1.3181**	**1.7924**	**.45540**	**1.9783**	**.11050**	**.01016**	W **852.73**	**.01954**
Stddev	.00013	.00028	.0010	.0139	.00240	.0136	.00013	.00006	3.42	.00019
%RSD	2.4404	5.5068	.07458	.77530	.52770	.68595	.12139	.57250	.40117	.95755
#1	.00510	.00535	1.3188	1.7826	.45370	1.9879	.11060	.01021	855.15	.01967
#2	.00528	.00495	1.3174	1.8023	.45710	1.9687	.11041	.01012	850.31	.01941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06872**	**.00917**	F **339.88**	**-.00012**	**-.00308**	**8.9066**	**19.060**	**.00138**	**1.6914**	**-.00152**
Stddev	.00351	.00021	2.61	.00066	.00121	.0420	.090	.00032	.0064	.00071
%RSD	5.1096	2.2768	.76894	525.33	39.248	.47181	.47181	23.501	.37714	47.050
#1	.06624	.00902	341.73	.00034	-.00393	8.9363	19.124	.00161	1.6959	-.00101
#2	.07120	.00932	338.03	-.00059	-.00222	8.8769	18.996	.00115	1.6869	-.00202
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02170**	**-.00110**	**.03060**	**.00457**	**.28537**	**.00576**
Stddev	.00008	.00089	.02859	.00028	.00047	.00052
%RSD	.38736	80.907	93.441	6.2275	.16543	9.0707
#1	.02176	-.00047	.01038	.00437	.28570	.00539
#2	.02164	-.00172	.05081	.00477	.28504	.00613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6582.1**	**91995.**	**5877.4**
Stddev	6.5	215.	49.2
%RSD	.09867	.23387	.83737
#1	6577.5	91843.	5842.6
#2	6586.7	92147.	5912.2

Sample Name: 280-48842-h-11-a Acquired: 11/16/2013 0:24:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00099**	**.02797**	**-.00045**	**1.7960**	**.01745**	**-.00002**	**-.00293**	**89.009**	**.00106**	**-.00075**
Stddev	.00098	.00008	.00019	.0018	.00009	.00007	.00130	.174	.00006	.00008
%RSD	99.214	.29609	42.942	.10144	.52053	375.21	44.199	.19507	6.0114	10.030
#1	-.00030	.02791	-.00031	1.7973	.01739	.00003	-.00385	88.887	.00102	-.00070
#2	-.00168	.02803	-.00059	1.7948	.01752	-.00006	-.00202	89.132	.00111	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00269**	**.02220**	**.96501**	**.13052**	**115.31**	**.08876**	**.00097**	W **1033.3**	**.00046**
Stddev	.00000	.00001	.00306	.05737	.00029	.01	.00016	.00010	2.2	.00029
%RSD	.62737	.48671	13.803	5.9455	.22336	.00439	.17575	9.8321	.20920	63.827
#1	.00022	.00270	.02437	.92444	.13032	115.31	.08887	.00091	1031.8	.00067
#2	.00022	.00268	.02003	1.0056	.13073	115.30	.08865	.00104	1034.9	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03428**	**-.00017**	F **531.38**	**.00006**	**.08252**	**6.0233**	**12.890**	**-.00025**	W **8.1909**	**-.00017**
Stddev	.00032	.00084	.16	.00034	.00191	.0350	.075	.00046	.2264	.00137
%RSD	.91986	482.31	.03086	544.87	2.3142	.58098	.58098	183.51	2.7644	786.86
#1	.03450	.00042	531.50	-.00018	.08117	5.9985	12.837	.00008	8.3510	.00080
#2	.03406	-.00077	531.27	.00030	.08387	6.0480	12.943	-.00058	8.0308	-.00115
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00042**	**.12297**	**.00733**	**.00538**	**.00503**
Stddev	.00025	.00049	.05510	.00015	.00012	.00038
%RSD	138.90	118.38	44.803	2.0671	2.2139	7.6457
#1	.00000	-.00076	.08401	.00722	.00546	.00475
#2	-.00035	-.00007	.16193	.00744	.00529	.00530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6319.0**	**88941.**	**5765.2**
Stddev	16.2	224.	8.2
%RSD	.25690	.25131	.14165
#1	6330.5	88783.	5770.9
#2	6307.5	89099.	5759.4

Sample Name: 280-48842-h-11-aSD@5 Acquired: 11/16/2013 0:27:42 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.04611**	**-.00056**	**.43314**	**.00383**	**.00005**	**.00051**	**20.276**	**.00059**	**-.00013**
Stddev	.00001	.00083	.00133	.00201	.00009	.00003	.00098	.012	.00001	.00022
%RSD	4.5279	1.7934	236.80	.46320	2.3361	58.524	192.88	.06048	1.1901	169.04
#1	-.00024	.04553	.00038	.43172	.00377	.00003	.00120	20.285	.00059	-.00028
#2	-.00025	.04670	-.00150	.43456	.00389	.00007	-.00018	20.267	.00060	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00074**	**.01912**	**.21493**	**.02962**	**26.126**	**.02059**	**-.00023**	**232.31**	**.00004**
Stddev	.00001	.00011	.00157	.00113	.00003	.186	.00013	.00012	.49	.00021
%RSD	5.0341	15.183	8.1886	.52779	.08512	.71361	.62518	53.104	.21046	479.38
#1	.00028	.00082	.02022	.21574	.02960	25.994	.02050	-.00014	231.96	.00019
#2	.00026	.00066	.01801	.21413	.02964	26.258	.02069	-.00031	232.66	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00788**	**.00018**	**121.40**	**.00026**	**.02196**	**1.3360**	**2.8589**	**.00197**	**1.8407**	**-.00093**
Stddev	.00034	.00081	.28	.00061	.00082	.0110	.0235	.00001	.0004	.00046
%RSD	4.2804	444.65	.23231	229.22	3.7401	.82151	.82151	.74102	.01992	49.242
#1	.00811	-.00039	121.20	-.00016	.02254	1.3282	2.8423	.00198	1.8404	-.00060
#2	.00764	.00075	121.60	.00069	.02138	1.3437	2.8755	.00196	1.8409	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00123**	**.04898**	**.00107**	**.00819**	**.00380**
Stddev	.00010	.00006	.00691	.00026	.00003	.00148
%RSD	23.218	4.5448	14.112	24.138	.39784	38.874
#1	-.00037	.00127	.05387	.00089	.00817	.00484
#2	-.00051	.00119	.04409	.00125	.00821	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6647.2**	**93995.**	**5763.7**
Stddev	1.7	584.	25.4
%RSD	.02529	.62169	.44098
#1	6648.4	94408.	5781.6
#2	6646.0	93582.	5745.7

Sample Name: 280-48842-h-11-b ms Acquired: 11/16/2013 0:30:03 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05463**	**1.8881**	**1.1043**	**2.8655**	**2.0731**	**.04864**	F **2.1142**	**141.68**	**.10401**	**.48409**
Stddev	.00003	.0106	.0035	.0015	.0225	.00008	.0017	1.27	.00004	.00209
%RSD	.05175	.56093	.31696	.05150	1.0834	.16721	.08183	.89742	.04019	.43101
#1	.05465	1.8806	1.1068	2.8644	2.0890	.04858	2.1154	142.58	.10404	.48262
#2	.05461	1.8956	1.1018	2.8665	2.0572	.04870	2.1130	140.78	.10398	.48557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20249**	**.26364**	**.99860**	**59.184**	**1.2410**	**168.08**	**.58112**	**1.0279**	W **1149.2**	**.49178**
Stddev	.00100	.00039	.00430	.423	.0144	2.21	.00122	.0034	13.0	.00315
%RSD	.49624	.14869	.43025	.71542	1.1596	1.3132	.20975	.32824	1.1337	.64042
#1	.20178	.26336	.99556	59.484	1.2512	169.64	.58198	1.0256	1158.4	.48955
#2	.20320	.26392	1.0016	58.885	1.2309	166.52	.58026	1.0303	1140.0	.49401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.119**	**.48322**	F **561.33**	**.51783**	**2.2781**	**16.581**	**35.483**	**1.9664**	W **9.4739**	**.97705**
Stddev	.032	.00197	.35	.00202	.0050	.053	.113	.0117	.0432	.00257
%RSD	.28527	.40774	.06186	.39051	.21942	.31887	.31887	.59572	.45599	.26253
#1	11.097	.48182	561.09	.51926	2.2746	16.618	35.563	1.9581	9.5045	.97524
#2	11.142	.48461	561.58	.51640	2.2816	16.543	35.403	1.9747	9.4434	.97886
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98821**	**1.7131**	**2.4801**	**.51270**	**.47603**	**.48434**
Stddev	.00161	.0063	.0143	.00216	.00282	.00136
%RSD	.16334	.36657	.57675	.42056	.59228	.28168
#1	.98935	1.7087	2.4700	.51423	.47802	.48531
#2	.98707	1.7176	2.4902	.51118	.47404	.48338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6084.6**	**88027.**	**5659.7**
Stddev	38.8	809.	54.4
%RSD	.63733	.91860	.96146
#1	6112.0	87455.	5621.3
#2	6057.1	88598.	5698.2

Sample Name: 280-48842-h-11-c msd Acquired: 11/16/2013 0:33:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05207**	**1.8781**	**1.0897**	**2.8016**	**2.0776**	**.04851**	F **2.0673**	**142.06**	**.10277**	**.47913**
Stddev	.00049	.0022	.0069	.0021	.0038	.00005	.0193	.45	.00097	.00041
%RSD	.93320	.11612	.63524	.07503	.18104	.10001	.93431	.31665	.94036	.08485
#1	.05172	1.8766	1.0848	2.8001	2.0803	.04854	2.0536	142.38	.10209	.47885
#2	.05241	1.8796	1.0946	2.8030	2.0749	.04847	2.0810	141.75	.10345	.47942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20086**	**.25951**	**.98999**	**59.822**	**1.2361**	**167.72**	**.58048**	**1.0182**	RW **1146.0**	**.48890**
Stddev	.00181	.00131	.00375	.161	.0012	1.44	.00208	.0011	3.3	.00312
%RSD	.89913	.50411	.37897	.26927	.09594	.85634	.35897	.10486	.28393	.63805
#1	.19959	.25858	.99264	59.936	1.2353	168.74	.58195	1.0190	1148.3	.48670
#2	.20214	.26043	.98734	59.708	1.2370	166.70	.57900	1.0175	1143.7	.49111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.982**	**.47805**	F **544.46**	**.51342**	**2.2540**	**16.453**	**35.209**	**1.9510**	W **9.3785**	**.97469**
Stddev	.020	.00114	.26	.00263	.0136	.009	.019	.0117	.0156	.00188
%RSD	.18450	.23945	.04822	.51143	.60423	.05455	.05455	.60062	.16664	.19268
#1	10.968	.47724	544.28	.51156	2.2444	16.459	35.223	1.9427	9.3675	.97336
#2	10.997	.47886	544.65	.51528	2.2636	16.447	35.196	1.9593	9.3896	.97602
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98964**	**1.6866**	**2.4579**	**.51295**	**.48529**	**.48134**
Stddev	.00031	.0060	.0077	.00176	.00394	.00219
%RSD	.03099	.35312	.31283	.34313	.81113	.45478
#1	.98942	1.6824	2.4634	.51419	.48807	.47979
#2	.98985	1.6908	2.4525	.51170	.48250	.48289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6228.8**	**86856.**	**5543.8**
Stddev	6.5	519.	40.9
%RSD	.10471	.59780	.73776
#1	6233.5	86489.	5514.8
#2	6224.2	87223.	5572.7

Sample Name: 280-48842-h-11-aPDS Acquired: 11/16/2013 0:36:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04395**	**1.0109**	**.22747**	**1.9191**	**.12505**	**.05087**	**-.00073**	**112.62**	**.05440**	**.04952**
Stddev	.00091	.0012	.00125	.0030	.00007	.00034	.00310	1.08	.00011	.00002
%RSD	2.0644	.11372	.54868	.15512	.05760	.66733	424.30	.95470	.19467	.03687
#1	.04331	1.0117	.22836	1.9212	.12500	.05111	-.00292	113.38	.05432	.04953
#2	.04459	1.0100	.22659	1.9170	.12511	.05063	.00146	111.85	.05447	.04951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05276**	**.05591**	**1.0305**	**25.455**	**.25029**	**138.10**	**.14287**	**.05348**	W **1102.4**	**.05187**
Stddev	.00005	.00024	.0043	.183	.00175	.76	.00027	.00009	10.3	.00059
%RSD	.10318	.43356	.41302	.72033	.69935	.55382	.19234	.15928	.93457	1.1422
#1	.05279	.05573	1.0335	25.585	.24905	138.65	.14306	.05342	1109.7	.05229
#2	.05272	.05608	1.0275	25.326	.25153	137.56	.14267	.05354	1095.1	.05145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3560**	**.09975**	F **538.02**	**.10149**	**.31180**	**11.165**	**23.893**	**.09665**	W **8.3247**	**.20264**
Stddev	.0011	.00143	1.13	.00043	.00145	.015	.031	.00077	.0433	.00086
%RSD	.04576	1.4305	.20914	.41935	.46511	.12990	.12990	.79613	.52054	.42329
#1	2.3568	.09874	538.82	.10179	.31283	11.175	23.915	.09719	8.2941	.20204
#2	2.3552	.10076	537.23	.10119	.31078	11.155	23.871	.09610	8.3553	.20325
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04967**	**.17600**	**.72932**	**.06063**	**.21287**	**.04775**
Stddev	.00002	.00019	.01685	.00013	.00016	.00031
%RSD	.03978	.10710	2.3101	.22041	.07538	.65475
#1	.04968	.17614	.74124	.06072	.21276	.04797
#2	.04965	.17587	.71741	.06053	.21298	.04753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6260.8**	**87958.**	**5600.1**
Stddev	9.8	344.	36.3
%RSD	.15574	.39117	.64839
#1	6253.9	87715.	5574.4
#2	6267.7	88202.	5625.8

Sample Name: 280-48842-a-12-a Acquired: 11/16/2013 0:39:05 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199645 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00484**	**-.00092**	**.60022**	**.06176**	**-.00004**	**-.00121**	**210.91**	**.00094**	**-.00015**
Stddev	.00050	.00025	.00081	.00502	.00019	.00007	.00021	1.12	.00040	.00015
%RSD	98.936	5.0962	87.795	.83660	.31408	174.62	17.581	.53012	42.915	94.599
#1	-.00015	.00466	-.00149	.59667	.06190	-.00009	-.00137	211.70	.00066	-.00026
#2	-.00085	.00501	-.00035	.60377	.06162	.00001	-.00106	210.12	.00123	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00105**	**.54820**	**1.5086**	**.06622**	**59.756**	**.73250**	**.00344**	**384.85**	**.00092**
Stddev	.00009	.00005	.00140	.0199	.00144	.139	.00055	.00051	1.64	.00017
%RSD	36.334	4.7954	.25531	1.3168	2.1682	.23184	.07497	14.957	.42671	18.391
#1	.00018	.00101	.54919	1.4946	.06521	59.854	.73289	.00307	386.01	.00080
#2	.00030	.00108	.54721	1.5227	.06724	59.658	.73211	.00380	383.69	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32959**	**-.00100**	F **285.98**	**.00060**	**-.00152**	**5.5371**	**11.849**	**.00014**	W **5.8298**	**-.00144**
Stddev	.00382	.00020	1.21	.00172	.00295	.0145	.031	.00097	.0548	.00009
%RSD	1.1596	20.083	.42454	287.03	194.08	.26181	.26181	696.64	.93988	6.5179
#1	.32688	-.00114	285.12	-.00062	.00057	5.5474	11.871	-.00055	5.7911	-.00150
#2	.33229	-.00086	286.84	.00182	-.00361	5.5269	11.828	.00082	5.8686	-.00137
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00056**	**.03111**	**.00093**	**.01293**	**.00512**
Stddev	.00008	.00074	.00359	.00054	.00032	.00052
%RSD	21.648	133.41	11.531	57.911	2.5083	10.144
#1	-.00033	.00003	.02858	.00131	.01270	.00475
#2	-.00044	.00108	.03365	.00055	.01316	.00548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6422.5**	**91127.**	**5592.5**
Stddev	15.1	777.	50.0
%RSD	.23549	.85299	.89358
#1	6433.2	90577.	5557.2
#2	6411.8	91676.	5627.8

Sample Name: 48798-1 Acquired: 11/16/2013 0:41:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Cr DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00257**	**.00657**	**4.0861**	**.02281**	**-.00001**	**.00067**	**237.35**	**.00175**	**-.00039**
Stddev	.00039	.00060	.00033	.0167	.00049	.00009	.00188	1.43	.00012	.00025
%RSD	111.07	23.260	5.0367	.40951	2.1598	813.11	281.83	.60116	7.1368	62.623
#1	-.00063	.00215	.00680	4.0743	.02316	.00005	-.00066	238.35	.00183	-.00057
#2	-.00008	.00300	.00634	4.0979	.02246	-.00007	.00200	236.34	.00166	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00798**	**.49446**	**37.376**	**.23639**	RW **1030.7**	**.01268**	**.00729**	RW **1860.5**	**.12528**
Stddev	.00006	.00016	.00421	.001	.00212	6.6	.00002	.00080	10.0	.00022
%RSD	19.398	2.0633	.85196	.00147	.89647	.63691	.16974	10.973	.53902	.17753
#1	.00032	.00810	.49743	37.375	.23789	1035.3	.01270	.00786	1867.6	.12512
#2	.00025	.00786	.49148	37.376	.23489	1026.1	.01267	.00672	1853.4	.12544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07842**	**.02267**	F **1687.7**	**-.00110**	**.04346**	**17.605**	**37.674**	**-.00029**	**3.3088**	**.00852**
Stddev	.00391	.00049	16.5	.00037	.00318	.007	.014	.00045	.0246	.00218
%RSD	4.9870	2.1673	.97535	33.631	7.3197	.03839	.03839	156.62	.74504	25.600
#1	.07566	.02302	1676.0	-.00136	.04571	17.600	37.664	.00003	3.3262	.00697
#2	.08119	.02233	1699.3	-.00084	.04121	17.609	37.684	-.00060	3.2913	.01006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**.00252**	**.13372**	**.00393**	**6.0878**	**.00362**
Stddev	.00030	.00074	.02972	.00055	.0377	.00070
%RSD	15.914	29.423	22.229	13.976	.61909	19.446
#1	-.00213	.00304	.15474	.00432	6.1145	.00411
#2	-.00170	.00200	.11270	.00354	6.0612	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5925.1**	**82909.**	**5501.2**
Stddev	14.4	413.	2.6
%RSD	.24365	.49762	.04730
#1	5935.3	82617.	5503.0
#2	5914.9	83200.	5499.3

Sample Name: 48003-24 D Acquired: 11/16/2013 0:44:50 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Al DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.58864**	**.00283**	**.06964**	**.02847**	**.00007**	**.00063**	**245.04**	**-.00002**	**.00022**
Stddev	.00013	.00129	.00356	.00029	.00038	.00007	.00233	.35	.00023	.00012
%RSD	25.303	.21849	125.73	.41498	1.3236	95.548	372.16	.14484	1410.2	51.847
#1	-.00041	.58773	.00535	.06944	.02820	.00002	.00228	244.79	-.00018	.00014
#2	-.00058	.58955	.00031	.06985	.02874	.00012	-.00102	245.29	.00014	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**.00096**	**1.6793**	**3.0444**	**.00681**	**4.4967**	**.01618**	**.00115**	**11.429**	**.00206**
Stddev	.00001	.00034	.0193	.0431	.00092	.0049	.00003	.00023	.079	.00010
%RSD	.14806	35.037	1.1477	1.4146	13.476	.10924	.18609	19.849	.69143	4.7920
#1	.00383	.00120	1.6657	3.0748	.00616	4.5002	.01621	.00131	11.485	.00213
#2	.00384	.00072	1.6929	3.0139	.00746	4.4933	.01616	.00099	11.373	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10415**	**.00003**	**9.2589**	**.00057**	**-.00022**	**6.2063**	**13.282**	**.00055**	**2.6672**	**.00007**
Stddev	.00269	.00014	.0186	.00211	.00222	.0124	.027	.00064	.0027	.00014
%RSD	2.5823	493.13	.20114	368.79	1025.6	.19994	.19994	115.24	.10240	206.74
#1	.10605	-.00007	9.2457	-.00092	-.00179	6.1975	13.263	.00100	2.6652	.00016
#2	.10225	.00013	9.2721	.00207	.00135	6.2151	13.300	.00010	2.6691	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01577**	**.00128**	**.01569**	**.00199**	**.00717**	**.00496**
Stddev	.00049	.00003	.00988	.00006	.00008	.00241
%RSD	3.0998	2.1075	62.988	2.8603	1.1678	48.610
#1	.01543	.00126	.02267	.00195	.00723	.00666
#2	.01612	.00130	.00870	.00203	.00711	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6719.9**	**96363.**	**5646.9**
Stddev	13.7	386.	73.6
%RSD	.20458	.40061	1.3034
#1	6710.2	96636.	5699.0
#2	6729.6	96090.	5594.9

Sample Name: CCVH-2382126 Acquired: 11/16/2013 0:47:11 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00717**	**50.964**	**-.00278**	**.00945**	**.00055**	**-.00010**	W **1.0535**	**.06997**	**.00065**	**-.00067**	**.00021**	**.01944**
Stddev	.00001	.283	.00312	.00014	.00008	.00004	.0033	.01548	.00010	.00013	.00006	.00032
%RSD	.07789	.55609	112.09	1.4518	14.284	44.393	.31177	22.125	15.038	19.452	30.136	1.6286
#1	-.00717	50.764	-.00058	.00954	.00060	-.00007	1.0558	.08092	.00058	-.00058	.00026	.01967
#2	-.00716	51.165	-.00499	.00935	.00049	-.00013	1.0512	.05902	.00072	-.00076	.00017	.01922
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.963**	**-.00220**	**.00323**	**.10737**	**.00115**	**.00121**	W **275.68**	**-.00066**	**.00492**	**.00189**	W **5.3034**	**-.00241**
Stddev	.165	.01538	.00022	.00346	.00001	.00005	.93	.00010	.00049	.00053	.0289	.00023
%RSD	.33780	700.26	6.7412	3.2203	1.1320	3.9766	.33878	14.484	10.031	27.789	.54524	9.3476
#1	49.080	-.01307	.00339	.10982	.00114	.00124	275.02	-.00072	.00457	.00152	5.2830	-.00225
#2	48.846	.00868	.00308	.10493	.00116	.00117	276.34	-.00059	.00527	.00227	5.3239	-.00257
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.000%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00640**	**-.00273**	**-.00585**	**.00073**	**.00117**	**4.8145**	**.01577**	**.00198**	W **8.9823**	**.00299**	**.00278**	**-.07794**
Stddev	.00048	.00611	.01307	.00004	.00025	.0008	.00017	.00058	.0290	.00019	.00015	.00069
%RSD	7.4179	223.57	223.57	5.9473	21.168	.01586	1.0533	29.329	.32232	6.3890	5.4386	.88405
#1	-.00674	.00159	.00340	.00070	.00135	4.8140	.01565	.00157	8.9618	.00313	.00288	-.07843
#2	-.00607	-.00705	-.01509	.00076	.00100	4.8151	.01588	.00239	9.0028	.00286	.00267	-.07745
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6871.7**	**95620.**	**5638.7**
Stddev	25.6	19.	42.8
%RSD	.37253	.02026	.75970
#1	6853.6	95607.	5669.0
#2	6889.8	95634.	5608.5

Sample Name: CCV-2372889 Acquired: 11/16/2013 0:49:34 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50171**	**.52326**	**1.0423**	**.53856**	**.51991**	**.50240**	**-.01009**	**5.0593**	**.51062**	**.51628**	**.52204**	**.51214**	**2.4870**
Stddev	.00160	.00067	.0025	.00196	.00185	.00146	.00190	.0178	.00057	.00066	.00101	.00107	.0075
%RSD	.31886	.12838	.23713	.36461	.35619	.29120	18.797	.35182	.11213	.12766	.19389	.20853	.30225
#1	.50058	.52278	1.0405	.53717	.52122	.50344	-.00875	5.0468	.51103	.51674	.52275	.51290	2.4923
#2	.50284	.52373	1.0440	.53995	.51860	.50137	-.01144	5.0719	.51022	.51581	.52132	.51139	2.4817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.388**	**1.0443**	**19.319**	**.50174**	**.52340**	F **5.5399**	**.53214**	**1.0362**	**1.0759**	**.11459**	**1.0508**	**1.0626**	**4.9145**
Stddev	.223	.0017	.086	.00126	.00025	.0424	.00002	.0017	.0002	.00314	.0045	.0018	.0301
%RSD	.40988	.15776	.44516	.25115	.04770	.76491	.00284	.16765	.01998	2.7439	.43231	.16774	.61248
#1	54.546	1.0454	19.258	.50085	.52358	5.5699	.53215	1.0349	1.0758	.11682	1.0475	1.0639	4.8932
#2	54.230	1.0431	19.380	.50263	.52323	5.5100	.53213	1.0374	1.0761	.11237	1.0540	1.0614	4.9358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.517**	**1.0407**	**.50902**	**.00574**	**.48604**	**1.0508**	**.00390**	**.49679**	**.48573**	**.49575**
Stddev	.064	.0005	.00175	.00127	.00071	.0013	.03074	.00114	.00309	.00098
%RSD	.61248	.05221	.34402	22.063	.14675	.12680	787.58	.22984	.63626	.19778
#1	10.471	1.0403	.51026	.00485	.48554	1.0518	.02564	.49760	.48354	.49645
#2	10.563	1.0411	.50778	.00664	.48655	1.0499	-.01783	.49598	.48792	.49506
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6850.7**	**98658.**	**5691.7**
Stddev	7.2	33.	38.3
%RSD	.10565	.03335	.67226
#1	6845.6	98681.	5664.6
#2	6855.8	98634.	5718.7

Sample Name: CCB Acquired: 11/16/2013 0:51:44 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00059**	**.00027**	F **.00751**	**.00007**	**.00003**	**-.00036**	**.00381**	**.00017**	**-.00004**	**.00012**
Stddev	.00029	.00006	.00130	.00025	.00005	.00003	.00148	.00422	.00008	.00011	.00007
%RSD	110.47	9.3869	482.67	3.3642	80.020	119.59	408.41	110.75	50.425	248.95	52.950
#1	.00006	.00063	-.00065	.00769	.00003	.00000	-.00141	.00679	.00011	.00003	.00008
#2	.00047	.00055	.00118	.00733	.00011	.00005	.00068	.00083	.00023	-.00012	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00149**	**.00328**	**.04341**	**.00141**	**.00844**	**.00013**	**.00243**	F **.20629**	**.00015**	**-.00054**	**.00032**
Stddev	.00051	.00202	.02062	.00186	.00251	.00004	.00043	.01015	.00006	.00037	.00083
%RSD	33.939	61.587	47.495	131.44	29.786	34.150	17.846	4.9221	38.856	68.890	259.25
#1	-.00113	.00185	.05799	.00010	.01022	.00016	.00213	.21347	.00020	-.00028	.00091
#2	-.00185	.00471	.02883	.00272	.00666	.00010	.00274	.19911	.00011	-.00080	-.00027
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09548**	**.00245**	**.00444**	**.00535**	**.01145**	**.00051**	**.00014**	**-.00036**	**-.00004**	**-.00043**	**.02533**
Stddev	.00375	.00011	.00049	.01583	.03387	.00001	.00003	.00004	.00008	.00062	.00351
%RSD	3.9319	4.5417	10.948	295.88	295.88	2.5725	18.332	10.096	194.93	142.66	13.843
#1	.09814	.00237	.00478	.01654	.03540	.00050	.00016	-.00038	-.00010	.00000	.02285
#2	.09283	.00252	.00409	-.00584	-.01250	.00052	.00012	-.00033	.00002	-.00087	.02780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00072**	**.00377**	W **.00329**
Stddev	.00013	.00021	.00126
%RSD	17.845	5.4564	38.218
#1	-.00081	.00392	.00240
#2	-.00063	.00362	.00418
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6860.2**	**100130.**	**5579.4**
Stddev	39.4	173.	75.8
%RSD	.57435	.17234	1.3588
#1	6832.3	100010.	5525.8
#2	6888.0	100250.	5633.0

Sample Name: CCVL-2383195 Acquired: 11/16/2013 0:54:05 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01025**	**.11121**	**.01625**	**.11163**	**.01035**	**.00098**	**.12445**	**.21525**	**.00554**	**.01082**	**.01082**	**.01490**	**.10275**
Stddev	.00007	.00050	.00169	.00102	.00003	.00006	.00128	.00225	.00011	.00010	.00001	.00002	.00347
%RSD	.64293	.45325	10.397	.91565	.31973	5.8238	1.0296	1.0449	1.9016	.88565	.11397	.10907	3.3737
#1	.01030	.11157	.01744	.11236	.01032	.00094	.12536	.21366	.00561	.01089	.01081	.01491	.10030
#2	.01021	.11085	.01505	.11091	.01037	.00102	.12355	.21684	.00547	.01075	.01083	.01489	.10520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3242**	**.01043**	**.21111**	**.01046**	**.02068**	**1.2140**	**.04392**	**3.0387**	**.01039**	**.06508**	**.01009**	**.01714**	**.48724**
Stddev	.0345	.00083	.00094	.00006	.00000	.0028	.00051	.0233	.00123	.00519	.00067	.00205	.00214
%RSD	1.0374	7.9154	.44628	.58943	.02405	.23189	1.1595	.76538	11.812	7.9721	6.6006	11.942	.43847
#1	3.3486	.01101	.21178	.01050	.02068	1.2160	.04428	3.0552	.01126	.06875	.00962	.01859	.48875
#2	3.2998	.00985	.21045	.01041	.02068	1.2120	.04356	3.0223	.00953	.06141	.01056	.01569	.48573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0427**	**.10910**	**.01031**	**.01421**	**.00946**	**.01787**	F **.09545**	**.00957**	**.02495**	**.01886**
Stddev	.0046	.00177	.00005	.00159	.00031	.00031	.04660	.00015	.00051	.00011
%RSD	.43847	1.6207	.47290	11.225	3.2531	1.7205	48.819	1.5777	2.0339	.58776
#1	1.0459	.11035	.01027	.01533	.00924	.01809	.06250	.00968	.02531	.01894
#2	1.0395	.10785	.01034	.01308	.00968	.01765	.12840	.00946	.02459	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7075.6**	**102320.**	**5705.6**
Stddev	17.4	81.	37.9
%RSD	.24541	.07871	.66342
#1	7063.3	102370.	5732.4
#2	7087.9	102260.	5678.8

Sample Name: mb 280-199986/1-a Acquired: 11/16/2013 0:56:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.00141**	**.00008**	**.00482**	**.00007**	**-.00005**	**-.00128**	**.00628**	**.00038**	**-.00012**
Stddev	.00018	.00006	.00080	.00025	.00026	.00002	.00077	.00018	.00019	.00013
%RSD	37.524	4.5040	944.28	5.2357	382.25	33.116	60.378	2.7913	48.987	101.91
#1	-.00035	.00146	-.00048	.00499	.00025	-.00004	-.00073	.00640	.00025	-.00021
#2	-.00060	.00137	.00065	.00464	-.00011	-.00006	-.00183	.00616	.00052	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00068**	**.00550**	**-.02747**	**.00107**	**.00288**	**.00007**	**.00030**	**.14342**	**-.00015**
Stddev	.00001	.00010	.00101	.00956	.00157	.00121	.00002	.00022	.00583	.00017
%RSD	6.5920	14.007	18.330	34.805	146.64	41.960	22.700	72.852	4.0639	117.02
#1	.00012	-.00075	.00479	-.02071	-.00004	.00202	.00008	.00014	.14754	-.00027
#2	.00014	-.00062	.00622	-.03423	.00218	.00373	.00006	.00045	.13930	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**.00083**	W **.05962**	**-.00025**	**-.00053**	**.00212**	**.00455**	**.00064**	**.00004**	**-.00052**
Stddev	.00006	.00018	.00074	.00023	.00001	.01216	.02601	.00054	.00010	.00005
%RSD	1.4863	21.861	1.2462	91.587	1.9422	572.23	572.23	85.387	292.10	10.090
#1	.00405	.00070	.06015	-.00041	-.00052	.01072	.02294	.00025	.00011	-.00056
#2	.00396	.00096	.05910	-.00009	-.00053	-.00647	-.01385	.00102	-.00004	-.00049
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00069**	**.01452**	**-.00079**	**.00364**	**.00392**
Stddev	.00016	.00058	.00599	.00005	.00005	.00188
%RSD	56.863	83.891	41.282	6.7306	1.2662	47.914
#1	-.00039	-.00110	.01028	-.00083	.00360	.00524
#2	-.00017	-.00028	.01876	-.00075	.00367	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7036.9**	**102440.**	**5711.6**
Stddev	5.1	320.	49.8
%RSD	.07187	.31200	.87218
#1	7033.3	102660.	5746.9
#2	7040.5	102210.	5676.4

Sample Name: lcs 280-199986/2-a Acquired: 11/16/2013 0:58:46 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04949**	**1.9873**	**1.0929**	**1.0981**	**2.1137**	**.05038**	**2.2292**	**50.128**	**.10444**	**.50969**
Stddev	.00001	.0070	.0015	.0002	.0004	.00022	.0097	.050	.00014	.00048
%RSD	.02956	.35179	.13953	.01678	.02068	.44377	.43672	.09978	.13855	.09343
#1	.04950	1.9824	1.0939	1.0983	2.1134	.05022	2.2360	50.093	.10455	.50935
#2	.04948	1.9923	1.0918	1.0980	2.1140	.05053	2.2223	50.164	.10434	.51003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21269**	**.26764**	**1.0258**	**56.259**	**1.0799**	**49.671**	**.50526**	**1.0695**	F **56.871**	**.52105**
Stddev	.00010	.00157	.0086	.110	.0018	.408	.00295	.0018	.132	.00200
%RSD	.04908	.58501	.84020	.19496	.16683	.82123	.58365	.16392	.23133	.38329
#1	.21277	.26874	1.0197	56.181	1.0811	49.960	.50735	1.0707	56.778	.51963
#2	.21262	.26653	1.0319	56.336	1.0786	49.383	.50318	1.0682	56.964	.52246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.754**	**.53352**	**.04525**	**.53570**	**2.1953**	**10.143**	**21.705**	**2.1102**	**1.0320**	**.98791**
Stddev	.008	.00246	.00385	.00309	.0028	.036	.078	.0085	.0001	.01106
%RSD	.07336	.46037	8.5135	.57630	.12836	.35750	.35750	.40186	.01086	1.1194
#1	10.748	.53525	.04253	.53351	2.1933	10.117	21.650	2.1042	1.0320	.99573
#2	10.760	.53178	.04798	.53788	2.1973	10.168	21.760	2.1162	1.0321	.98009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0168**	**2.0416**	F **2.4932**	**.51072**	**.49884**	**.49725**
Stddev	.0064	.0107	.0087	.00262	.00327	.00081
%RSD	.63132	.52626	.34996	.51293	.65498	.16309
#1	1.0214	2.0340	2.4993	.51257	.50115	.49782
#2	1.0123	2.0492	2.4870	.50887	.49653	.49668
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6731.9**	**96320.**	**5663.6**
Stddev	17.6	915.	7.4
%RSD	.26179	.94981	.13056
#1	6744.3	95673.	5668.9
#2	6719.4	96966.	5658.4

Sample Name: 280-48914-g-1-g Acquired: 11/16/2013 1:00:54 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.00303**	**.00186**	**.63120**	**.00923**	**.00002**	**-.00107**	**63.755**	**.00031**	**-.00071**
Stddev	.00025	.00031	.00111	.00876	.00002	.00001	.00153	.167	.00017	.00021
%RSD	61.324	10.164	59.746	1.3883	.25807	63.309	142.60	.26145	56.195	28.971
#1	-.00023	.00325	.00265	.63740	.00925	.00001	-.00215	63.637	.00043	-.00086
#2	-.00059	.00282	.00108	.62501	.00922	.00003	.00001	63.873	.00019	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00267**	**.01343**	**1.5445**	**.15856**	**10.573**	**.00062**	**.00973**	W **592.58**	**.00077**
Stddev	.00004	.00066	.00009	.0298	.00084	.011	.00011	.00069	2.21	.00026
%RSD	6.7174	24.583	.64543	1.9310	.52898	.10545	17.236	7.1342	.37222	33.540
#1	.00052	.00314	.01349	1.5234	.15797	10.565	.00070	.00924	591.02	.00059
#2	.00057	.00221	.01337	1.5656	.15915	10.581	.00055	.01022	594.14	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03576**	**-.00028**	F **252.78**	**-.00158**	**.01601**	**3.4930**	**7.4751**	**-.00005**	W **5.6299**	**.00151**
Stddev	.00139	.00046	1.50	.00175	.00244	.0104	.0222	.00021	.0334	.00030
%RSD	3.8787	164.09	.59298	110.89	15.256	.29692	.29692	417.46	.59381	19.849
#1	.03674	-.00060	253.84	-.00282	.01429	3.5004	7.4907	-.00020	5.6535	.00130
#2	.03478	.00004	251.72	-.00034	.01774	3.4857	7.4594	.00010	5.6062	.00173
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00036**	**.04941**	**.00749**	**.02719**	**.00407**
Stddev	.00026	.00019	.01677	.00046	.00003	.00106
%RSD	194.14	51.992	33.947	6.1492	.10546	26.118
#1	-.00005	.00049	.03755	.00716	.02717	.00332
#2	.00032	.00023	.06127	.00781	.02721	.00482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6487.0**	**92839.**	**5689.1**
Stddev	11.5	23.	73.2
%RSD	.17690	.02521	1.2865
#1	6478.9	92856.	5637.4
#2	6495.1	92823.	5740.9

Sample Name: 280-48914-g-1-gSD@5 Acquired: 11/16/2013 1:03:24 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00999**	**-.00028**	**.14053**	**.00195**	**-.00001**	**.00016**	**13.639**	**.00021**	**-.00006**
Stddev	.00005	.00048	.00092	.00008	.00000	.00002	.00197	.072	.00006	.00010
%RSD	15.631	4.7630	332.12	.05390	.09697	121.31	1199.5	.52535	30.306	154.23
#1	-.00034	.01033	-.00093	.14048	.00195	-.00003	.00156	13.690	.00026	.00001
#2	-.00027	.00965	.00037	.14058	.00195	.00000	-.00123	13.588	.00017	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00019**	**.01516**	**.31793**	**.03394**	**2.3125**	**.00028**	**.00153**	**126.64**	**-.00001**
Stddev	.00001	.00042	.00037	.02625	.00043	.0056	.00004	.00016	.25	.00019
%RSD	6.9885	221.82	2.4649	8.2577	1.2551	.24065	13.891	10.201	.19349	1751.0
#1	.00018	.00011	.01489	.33649	.03364	2.3164	.00031	.00142	126.81	-.00015
#2	.00017	-.00049	.01542	.29936	.03424	2.3085	.00025	.00164	126.47	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00008**	**52.304**	**.00018**	**.00043**	**.71805**	**1.5366**	**.00221**	**1.2173**	**.00031**
Stddev	.00050	.00006	.051	.00160	.00082	.00324	.0069	.00026	.0066	.00065
%RSD	6.9169	73.131	.09836	884.83	188.94	.45178	.45178	11.682	.53931	211.52
#1	.00693	-.00004	52.341	-.00095	-.00015	.71575	1.5317	.00239	1.2220	.00077
#2	.00764	-.00013	52.268	.00131	.00101	.72034	1.5415	.00202	1.2127	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00026**	**.02560**	**.00112**	**.01276**	**.00404**
Stddev	.00041	.00154	.00090	.00003	.00015	.00166
%RSD	173.10	586.76	3.4992	2.6303	1.1739	41.080
#1	.00005	.00135	.02496	.00114	.01266	.00286
#2	-.00053	-.00082	.02623	.00110	.01287	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6792.9**	**98227.**	**5722.2**
Stddev	30.0	62.	44.7
%RSD	.44147	.06301	.78072
#1	6814.1	98183.	5690.6
#2	6771.7	98271.	5753.8

Sample Name: 280-48914-g-1-h ms Acquired: 11/16/2013 1:05:47 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05026**	**1.9122**	**1.1277**	**1.6590**	**2.1172**	**.05061**	F **2.1622**	**112.61**	**.10476**	**.50003**
Stddev	.00021	.0069	.0009	.0004	.0284	.00043	.0083	1.47	.00048	.00056
%RSD	.40966	.35943	.08344	.02664	1.3400	.84977	.38291	1.3089	.46028	.11240
#1	.05011	1.9171	1.1271	1.6593	2.1373	.05091	2.1564	113.65	.10442	.49964
#2	.05040	1.9074	1.1284	1.6587	2.0972	.05030	2.1681	111.57	.10510	.50043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20940**	**.26777**	**1.0043**	**60.273**	**1.2678**	**58.202**	**.50200**	**1.0682**	W **644.66**	**.51569**
Stddev	.00046	.00116	.0022	.686	.0138	.194	.00210	.0028	7.11	.00209
%RSD	.21853	.43458	.22241	1.1373	1.0885	.33256	.41782	.25880	1.1037	.40502
#1	.20908	.26860	1.0059	60.757	1.2776	58.339	.50348	1.0701	649.69	.51421
#2	.20972	.26695	1.0027	59.788	1.2580	58.066	.50051	1.0662	639.63	.51717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.289**	**.50525**	F **249.58**	**.53596**	**2.2489**	**13.748**	**29.421**	W **2.0572**	W **6.6672**	**.98940**
Stddev	.009	.00030	.39	.00183	.0026	.010	.022	.0034	.0965	.00196
%RSD	.07651	.06026	.15813	.34127	.11586	.07599	.07599	.16293	1.4479	.19826
#1	11.295	.50504	249.86	.53466	2.2471	13.741	29.406	2.0548	6.7355	.99079
#2	11.283	.50547	249.30	.53725	2.2508	13.756	29.437	2.0596	6.5989	.98801
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit	2.0000		200.00					2.0000	5.0000	
Low Limit	-1.0000		-.20000					-.05000	-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0121**	**1.8135**	**2.4710**	**.52038**	**.51476**	**.49985**
Stddev	.0043	.0092	.0121	.00302	.00211	.00133
%RSD	.43002	.50524	.49019	.58127	.40982	.26701
#1	1.0152	1.8070	2.4795	.52252	.51625	.49891
#2	1.0090	1.8200	2.4624	.51824	.51326	.50080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6402.9**	**90977.**	**5618.9**
Stddev	11.9	217.	48.2
%RSD	.18544	.23858	.85754
#1	6394.5	90824.	5584.8
#2	6411.3	91131.	5653.0

Sample Name: 280-48914-g-1-i msd Acquired: 11/16/2013 1:08:04 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05094**	**1.9186**	**1.1366**	**1.6704**	**2.1174**	**.05087**	F **2.1751**	**112.39**	**.10510**	**.50372**
Stddev	.00054	.0036	.0063	.0033	.0047	.00006	.0062	.46	.00045	.00048
%RSD	1.0663	.18745	.55110	.19933	.22436	.10988	.28658	.40808	.42914	.09432
#1	.05132	1.9211	1.1322	1.6727	2.1208	.05091	2.1707	112.71	.10478	.50405
#2	.05055	1.9160	1.1411	1.6680	2.1141	.05083	2.1795	112.06	.10542	.50338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21116**	**.27020**	**1.0176**	**60.435**	**1.2670**	**58.397**	**.50497**	**1.0775**	W **644.56**	**.51769**
Stddev	.00121	.00144	.0005	.254	.0055	.014	.00026	.0029	1.58	.00371
%RSD	.57346	.53234	.04543	.42058	.43168	.02400	.05093	.26496	.24476	.71645
#1	.21030	.26918	1.0180	60.614	1.2709	58.407	.50479	1.0795	645.68	.51507
#2	.21201	.27121	1.0173	60.255	1.2632	58.387	.50516	1.0755	643.45	.52031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.382**	**.50975**	F **251.00**	**.53629**	**2.2682**	**13.798**	**29.527**	W **2.0685**	W **6.6201**	**.99342**
Stddev	.008	.00337	.36	.00474	.0168	.022	.047	.0043	.2221	.00239
%RSD	.07087	.66065	.14290	.88431	.74177	.16063	.16063	.20848	3.3557	.24059
#1	11.387	.50736	251.25	.53294	2.2563	13.813	29.561	2.0655	6.7772	.99511
#2	11.376	.51213	250.74	.53965	2.2801	13.782	29.493	2.0716	6.4630	.99173
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit	2.0000		200.00					2.0000	5.0000	
Low Limit	-1.0000		-.20000					-.05000	-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0156**	**1.8193**	**2.4963**	**.52347**	**.51870**	**.49938**
Stddev	.0022	.0025	.0026	.00103	.00085	.00076
%RSD	.21295	.13611	.10508	.19670	.16402	.15263
#1	1.0141	1.8176	2.4945	.52420	.51930	.49992
#2	1.0171	1.8211	2.4982	.52274	.51810	.49884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6412.9**	**91415.**	**5698.3**
Stddev	5.5	85.	33.1
%RSD	.08557	.09338	.58087
#1	6409.0	91355.	5674.9
#2	6416.8	91475.	5721.7

Sample Name: 280-48914-g-1-gPDS Acquired: 11/16/2013 1:10:22 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04206**	**1.0103**	**.23198**	**.71964**	**.11716**	**.05182**	**-.00207**	**82.618**	**.05398**	**.05116**
Stddev	.00026	.0071	.00087	.00019	.00085	.00028	.00225	.620	.00002	.00002
%RSD	.62020	.70116	.37549	.02605	.72823	.54573	108.52	.75087	.03309	.04719
#1	.04187	1.0053	.23260	.71977	.11776	.05202	-.00366	83.057	.05397	.05118
#2	.04224	1.0153	.23137	.71951	.11656	.05162	-.00048	82.179	.05400	.05114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05362**	**.05719**	**1.0258**	**25.559**	**.26820**	**29.618**	**.05222**	**.06127**	W **607.48**	**.05319**
Stddev	.00000	.00002	.0025	.190	.00041	.077	.00011	.00156	3.61	.00029
%RSD	.00208	.02764	.24724	.74495	.15442	.26022	.20194	2.5477	.59387	.55056
#1	.05362	.05718	1.0240	25.693	.26849	29.564	.05215	.06016	610.03	.05299
#2	.05362	.05720	1.0276	25.424	.26791	29.673	.05230	.06237	604.93	.05340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3862**	**.10374**	F **246.08**	**.10173**	**.23823**	**8.3131**	**17.790**	**.10204**	W **5.6347**	**.19926**
Stddev	.0050	.00079	.13	.00071	.00182	.0335	.072	.00043	.0260	.00232
%RSD	.20871	.76259	.05365	.69329	.76298	.40301	.40301	.41845	.46191	1.1659
#1	2.3827	.10429	245.98	.10223	.23695	8.3368	17.841	.10174	5.6531	.19762
#2	2.3897	.10318	246.17	.10123	.23952	8.2894	17.739	.10234	5.6163	.20091
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04996**	**.18769**	**.65636**	**.05953**	**.23612**	**.04966**
Stddev	.00008	.00006	.00711	.00051	.00036	.00081
%RSD	.15637	.03198	1.0826	.85205	.15367	1.6222
#1	.05001	.18773	.66138	.05989	.23586	.04909
#2	.04990	.18765	.65134	.05917	.23637	.05023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6469.2**	**92052.**	**5726.2**
Stddev	4.9	80.	50.7
%RSD	.07526	.08674	.88502
#1	6465.8	91995.	5690.4
#2	6472.7	92108.	5762.1

Sample Name: CCVH-2382126 Acquired: 11/16/2013 1:12:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00727**	**51.743**	**.00010**	**.00714**	**.00078**	**-.00015**	W **1.0632**	**.02392**	**.00071**	**-.00043**	**.00030**	**.01906**
Stddev	.00024	.323	.00113	.00114	.00001	.00002	.0066	.00329	.00013	.00002	.00003	.00018
%RSD	3.2589	.62406	1186.8	16.005	1.6818	12.263	.62386	13.760	18.124	5.5041	11.530	.96651
#1	-.00744	51.971	.00090	.00795	.00079	-.00016	1.0679	.02625	.00062	-.00042	.00032	.01919
#2	-.00710	51.515	-.00071	.00633	.00077	-.00013	1.0586	.02159	.00080	-.00045	.00028	.01893
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.899**	**.11335**	**.00178**	**.09834**	**.00110**	**.00111**	F **280.66**	**-.00066**	**.00397**	**.00115**	**5.2322**	**-.00242**
Stddev	.085	.04838	.00162	.00654	.00006	.00011	1.38	.00004	.00104	.00051	.0394	.00125
%RSD	.17004	42.680	91.239	6.6522	5.3734	9.7663	.49047	5.8029	26.194	44.588	.75397	51.802
#1	49.839	.07914	.00293	.10296	.00114	.00103	281.64	-.00063	.00470	.00152	5.2601	-.00331
#2	49.959	.14756	.00063	.09371	.00106	.00119	279.69	-.00068	.00323	.00079	5.2043	-.00153
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00351**	**.00105**	**.00225**	**.00066**	**.00141**	**4.8109**	**.01683**	**.00194**	W **9.0748**	**.00302**	**.00201**	**-.07568**
Stddev	.00055	.01568	.03356	.00000	.00031	.0145	.00003	.00018	.0108	.00008	.00013	.00033
%RSD	15.784	1490.8	1490.8	.39636	22.202	.30224	.20580	9.2265	.11923	2.6271	6.3343	.43451
#1	-.00390	.01214	.02598	.00067	.00163	4.8212	.01681	.00206	9.0825	.00296	.00210	-.07545
#2	-.00312	-.01004	-.02148	.00066	.00119	4.8006	.01686	.00181	9.0672	.00307	.00192	-.07591
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6814.1**	**96626.**	**5639.6**
Stddev	12.7	52.	78.7
%RSD	.18618	.05431	1.3961
#1	6823.0	96588.	5583.9
#2	6805.1	96663.	5695.2

Sample Name: CCV-2372889 Acquired: 11/16/2013 1:15:12 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50252**	**.52517**	**1.0540**	**.53874**	**.52602**	**.50797**	**-.00964**	**5.1185**	**.51216**	**.51852**	**.52704**	**.51377**	**2.5227**
Stddev	.00056	.00168	.0014	.00162	.00092	.00158	.00093	.0085	.00077	.00056	.00048	.00040	.0017
%RSD	.11219	.32030	.13413	.30092	.17398	.31018	9.6588	.16585	.15105	.10758	.09023	.07826	.06757
#1	.50212	.52398	1.0550	.53760	.52667	.50908	-.01030	5.1125	.51271	.51892	.52737	.51406	2.5239
#2	.50292	.52636	1.0530	.53989	.52537	.50686	-.00898	5.1245	.51161	.51813	.52670	.51349	2.5215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **55.594**	**1.0643**	**19.414**	**.50588**	**.52515**	F **5.6046**	**.53416**	**1.0395**	**1.0814**	**.06606**	**1.0474**	**1.0611**	**4.9810**
Stddev	.059	.0014	.035	.00013	.00098	.0184	.00306	.0011	.0034	.00048	.0020	.0002	.0005
%RSD	.10698	.12705	.17873	.02602	.18631	.32845	.57291	.10273	.31007	.72897	.19015	.01569	.00992
#1	55.552	1.0634	19.389	.50597	.52446	5.6177	.53200	1.0387	1.0790	.06640	1.0460	1.0612	4.9814
#2	55.636	1.0653	19.438	.50578	.52584	5.5916	.53633	1.0402	1.0837	.06572	1.0488	1.0609	4.9807
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.659**	**1.0431**	**.51342**	**.00668**	**.48610**	**1.0456**	**-.00192**	**.49980**	**.48835**	**.49704**
Stddev	.001	.0016	.00052	.00203	.00063	.0007	.00625	.00069	.00291	.00261
%RSD	.00992	.15424	.10051	30.344	.12992	.07043	325.39	.13756	.59515	.52506
#1	10.660	1.0420	.51378	.00524	.48654	1.0451	.00250	.50029	.48630	.49519
#2	10.659	1.0442	.51305	.00811	.48565	1.0461	-.00634	.49932	.49041	.49888
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6772.5**	**97225.**	**5449.6**
Stddev	4.0	254.	33.3
%RSD	.05833	.26139	.61018
#1	6775.3	97045.	5473.1
#2	6769.7	97405.	5426.1

Sample Name: CCB Acquired: 11/16/2013 1:17:20 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00237**	**.00136**	W **.00528**	**-.00001**	**.00002**	**-.00153**	**.00098**	**.00013**	**-.00009**	**.00001**	**-.00109**
Stddev	.00019	.00022	.00050	.00067	.00025	.00000	.00147	.00013	.00011	.00000	.00002	.00030
%RSD	561.39	9.4097	36.804	12.602	2576.2	5.7062	96.040	13.366	85.545	1.8363	187.94	27.310
#1	-.00016	.00221	.00100	.00575	.00016	.00002	-.00257	.00089	.00005	-.00009	.00003	-.00088
#2	.00010	.00253	.00171	.00481	-.00018	.00003	-.00049	.00107	.00022	-.00008	.00000	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**.03017**	**.00190**	**.00244**	**.00007**	**.00240**	F **.19638**	**-.00003**	**-.00038**	**.00031**	**.08826**	**.00215**
Stddev	.00038	.03102	.00076	.00159	.00003	.00072	.01033	.00017	.00047	.00026	.00432	.00137
%RSD	12.122	102.83	40.054	64.993	36.878	30.161	5.2622	558.56	123.56	83.576	4.8910	63.888
#1	.00341	.05211	.00244	.00356	.00005	.00189	.20369	-.00015	-.00005	.00049	.08521	.00118
#2	.00287	.00823	.00136	.00132	.00009	.00291	.18908	.00009	-.00071	.00013	.09132	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00468**	**-.00795**	**-.01700**	**.00031**	**.00014**	**.00175**	**-.00003**	**-.00058**	**.00081**	**-.00100**	**.00310**	W **.00320**
Stddev	.00201	.01074	.02298	.00062	.00014	.00131	.00036	.00082	.00536	.00001	.00013	.00218
%RSD	42.943	135.16	135.16	202.07	96.928	74.726	1363.3	141.37	659.92	.55285	4.1682	68.121
#1	.00326	-.00035	-.00075	-.00013	.00024	.00083	-.00028	-.00116	-.00298	-.00100	.00301	.00474
#2	.00610	-.01554	-.03325	.00075	.00005	.00268	.00023	.00000	.00460	-.00099	.00319	.00166
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6813.9**	**100340.**	**5498.7**
Stddev	25.9	339.	13.8
%RSD	.38029	.33827	.25136
#1	6795.6	100100.	5489.0
#2	6832.3	100580.	5508.5

Sample Name: CCVL-2383195 Acquired: 11/16/2013 1:19:39 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01044**	**.11411**	**.01682**	**.11108**	**.01070**	**.00107**	**.12469**	**.22760**	**.00550**	**.01099**	**.01094**	**.01522**	**.10772**
Stddev	.00055	.00088	.00233	.00071	.00008	.00019	.00178	.00350	.00024	.00006	.00001	.00050	.00027
%RSD	5.2316	.77023	13.878	.63758	.75745	17.932	1.4265	1.5377	4.3448	.57586	.09567	3.2529	.25368
#1	.01005	.11349	.01517	.11159	.01064	.00093	.12594	.23008	.00533	.01103	.01093	.01487	.10791
#2	.01083	.11473	.01847	.11058	.01076	.00121	.12343	.22513	.00566	.01095	.01094	.01557	.10752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3811**	**.01116**	**.21972**	**.01071**	**.02093**	F **1.3016**	**.04482**	**3.0862**	**.01126**	**.07873**	**.01080**	**.01769**	**.50138**
Stddev	.0100	.00104	.00064	.00013	.00014	.0016	.00026	.0006	.00020	.00199	.00090	.00274	.01543
%RSD	.29462	9.3570	.29235	1.1999	.67553	.12010	.58699	.02043	1.7962	2.5232	8.3254	15.477	3.0773
#1	3.3881	.01042	.21926	.01062	.02083	1.3027	.04501	3.0867	.01140	.08013	.01143	.01576	.49047
#2	3.3740	.01190	.22017	.01080	.02103	1.3005	.04464	3.0858	.01112	.07733	.01016	.01963	.51229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0730**	**.10971**	**.01091**	**.01550**	**.00985**	**.01745**	F **.09469**	**.00971**	**.02541**	**.01768**
Stddev	.0330	.00086	.00005	.00128	.00025	.00068	.01657	.00033	.00015	.00086
%RSD	3.0773	.78626	.49876	8.2310	2.5606	3.8748	17.500	3.3847	.60866	4.8739
#1	1.0496	.10910	.01087	.01460	.00967	.01793	.08297	.00948	.02552	.01707
#2	1.0963	.11032	.01095	.01640	.01003	.01697	.10640	.00994	.02530	.01829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6958.4**	**101620.**	**5654.2**
Stddev	11.4	342.	26.6
%RSD	.16328	.33700	.46975
#1	6950.4	101860.	5635.4
#2	6966.5	101380.	5673.0

Sample Name: 280-48914-g-2-d Acquired: 11/16/2013 1:22:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00297**	**-.00181**	**.61751**	**.00880**	**-.00003**	**-.00115**	**61.784**	**.00036**	**-.00073**
Stddev	.00040	.00004	.00191	.00172	.00031	.00011	.00093	.088	.00001	.00031
%RSD	247.69	1.5029	105.50	.27929	3.4869	415.26	80.791	.14230	1.5985	42.299
#1	-.00044	.00300	-.00316	.61629	.00858	.00005	-.00180	61.722	.00036	-.00051
#2	.00012	.00293	-.00046	.61873	.00902	-.00011	-.00049	61.846	.00036	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00241**	**.06399**	**1.4999**	**.15307**	**10.381**	**.00088**	**.00501**	W **577.78**	**.00028**
Stddev	.00009	.00025	.00049	.0238	.00054	.034	.00006	.00019	2.11	.00021
%RSD	19.536	10.585	.77303	1.5872	.35055	.32625	7.3698	3.8192	.36445	76.257
#1	.00040	.00223	.06364	1.4830	.15345	10.405	.00092	.00487	576.29	.00043
#2	.00053	.00259	.06434	1.5167	.15269	10.357	.00083	.00514	579.27	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03556**	**.00015**	F **246.23**	**-.00106**	**.01172**	**3.3752**	**7.2230**	**-.00002**	W **5.4412**	**-.00079**
Stddev	.00198	.00036	.01	.00053	.00167	.0022	.0047	.00145	.0914	.00181
%RSD	5.5700	246.07	.00391	49.747	14.227	.06546	.06546	9413.0	1.6793	229.04
#1	.03416	.00040	246.22	-.00068	.01290	3.3768	7.2264	-.00104	5.3766	.00049
#2	.03696	-.00011	246.24	-.00143	.01054	3.3737	7.2197	.00101	5.5059	-.00207
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.00019**	**.01381**	**.00703**	**.02664**	**.00342**
Stddev	.00021	.00031	.04032	.00019	.00022	.00030
%RSD	37.914	163.93	292.03	2.6553	.81864	8.6354
#1	-.00040	.00041	-.01470	.00716	.02649	.00321
#2	-.00070	-.00003	.04231	.00689	.02679	.00363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6437.1**	**91507.**	**5608.7**
Stddev	4.2	531.	9.0
%RSD	.06577	.58006	.15962
#1	6434.1	91131.	5615.0
#2	6440.1	91882.	5602.4

Sample Name: 280-48914-g-3-d Acquired: 11/16/2013 1:24:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00918**	**.00107**	**.68969**	**.01267**	**-.00003**	**-.00120**	**74.645**	**.00025**	**-.00044**
Stddev	.00028	.00029	.00156	.00585	.00041	.00010	.00041	.799	.00015	.00009
%RSD	36.226	3.1516	145.68	.84818	3.2704	362.92	34.281	1.0699	59.273	19.345
#1	-.00099	.00898	-.00003	.68556	.01296	-.00009	-.00149	75.210	.00015	-.00050
#2	-.00058	.00939	.00218	.69383	.01238	.00004	-.00091	74.080	.00036	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00285**	**.00642**	**1.5181**	**.18543**	**12.156**	**.00033**	**.01778**	W **641.37**	**.00036**
Stddev	.00009	.00037	.00087	.0525	.00364	.011	.00003	.00032	7.53	.00026
%RSD	13.626	13.124	13.532	3.4577	1.9652	.09014	9.9019	1.8020	1.1737	71.588
#1	.00076	.00311	.00704	1.4810	.18800	12.149	.00035	.01756	646.70	.00018
#2	.00063	.00258	.00581	1.5552	.18285	12.164	.00031	.01801	636.05	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15924**	**-.00022**	F **292.23**	**-.00011**	**.02144**	**4.3427**	**9.2934**	**-.00071**	W **5.0817**	**-.00132**
Stddev	.00143	.00033	.88	.00293	.00170	.0022	.0046	.00029	.0665	.00151
%RSD	.90103	146.31	.30263	2553.3	7.9168	.04989	.04989	40.361	1.3078	114.02
#1	.15823	-.00045	291.61	-.00219	.02264	4.3412	9.2901	-.00051	5.1287	-.00238
#2	.16025	.00001	292.86	.00196	.02024	4.3442	9.2967	-.00092	5.0347	-.00026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.00011**	**.06962**	**.01295**	**.01074**	**.00194**
Stddev	.00009	.00022	.04246	.00033	.00053	.00070
%RSD	23.956	201.48	60.989	2.5617	4.9368	36.083
#1	-.00042	-.00005	.03960	.01318	.01037	.00244
#2	-.00030	.00026	.09964	.01271	.01111	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6365.7**	**89803.**	**5442.5**
Stddev	21.4	14.	62.0
%RSD	.33597	.01560	1.1388
#1	6380.8	89813.	5398.7
#2	6350.5	89793.	5486.3

Sample Name: 280-48914-g-4-d Acquired: 11/16/2013 1:27:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00823**	**-.00115**	**.69024**	**.01164**	**.00001**	**-.00135**	**71.247**	**.00029**	**-.00070**
Stddev	.00001	.00022	.00109	.00068	.00005	.00002	.00123	.180	.00008	.00006
%RSD	5.1620	2.6561	94.472	.09858	.39016	148.50	91.280	.25295	25.625	8.5250
#1	-.00015	.00808	-.00038	.69072	.01161	.00002	-.00048	71.375	.00024	-.00074
#2	-.00014	.00838	-.00192	.68976	.01168	.00000	-.00222	71.120	.00035	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00227**	**.00661**	**1.4469**	**.18271**	**11.725**	**.00031**	**.01850**	W **619.53**	**.00045**
Stddev	.00004	.00007	.00141	.0690	.00093	.002	.00000	.00020	2.56	.00016
%RSD	6.9366	2.9001	21.358	4.7679	.50944	.02108	.99731	1.0764	.41267	35.809
#1	.00057	.00231	.00760	1.3981	.18337	11.723	.00031	.01836	621.33	.00057
#2	.00052	.00222	.00561	1.4957	.18205	11.727	.00031	.01864	617.72	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02859**	**-.00017**	F **287.77**	**-.00053**	**.01969**	**4.1252**	**8.8280**	**-.00023**	**4.9180**	**-.00045**
Stddev	.00010	.00075	.00	.00013	.00063	.0420	.0900	.00021	.0210	.00100
%RSD	.34429	434.52	.00019	24.991	3.2252	1.0194	1.0194	94.232	.42692	223.61
#1	.02853	-.00070	287.77	-.00043	.01924	4.1550	8.8916	-.00008	4.9328	-.00116
#2	.02866	.00036	287.77	-.00062	.02014	4.0955	8.7644	-.00038	4.9032	.00026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00042**	**.08281**	**.01210**	**.00968**	**.00272**
Stddev	.00011	.00005	.02279	.00002	.00079	.00159
%RSD	32.312	12.642	27.523	.13236	8.1501	58.299
#1	-.00027	.00046	.06670	.01209	.01023	.00160
#2	-.00043	.00038	.09893	.01211	.00912	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6449.3**	**91248.**	**5637.6**
Stddev	8.5	267.	39.7
%RSD	.13187	.29283	.70399
#1	6443.2	91437.	5609.6
#2	6455.3	91059.	5665.7

Sample Name: 280-48914-g-5-d Acquired: 11/16/2013 1:29:29 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00260**	**.00059**	**1.2507**	**.02464**	**.00003**	**-.00309**	**18.539**	**.00023**	**-.00056**
Stddev	.00018	.00008	.00071	.0046	.00005	.00011	.00063	.007	.00017	.00006
%RSD	70.342	3.1986	120.52	.36765	.22204	314.02	20.491	.03753	76.096	10.012
#1	-.00039	.00266	.00009	1.2474	.02468	.00011	-.00354	18.544	.00011	-.00052
#2	-.00013	.00255	.00109	1.2539	.02460	-.00004	-.00264	18.535	.00035	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00136**	**.00390**	**.52667**	**.12789**	**3.3761**	**.00019**	**.00607**	W **652.55**	**.00030**
Stddev	.00008	.00042	.00028	.01326	.00036	.0215	.00001	.00003	1.51	.00026
%RSD	8.0004	31.187	7.1031	2.5170	.27996	.63736	2.7301	.51221	.23074	84.062
#1	.00095	.00166	.00409	.51730	.12815	3.3609	.00019	.00604	653.61	.00048
#2	.00107	.00106	.00370	.53605	.12764	3.3913	.00019	.00609	651.48	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02412**	**.00030**	**112.72**	**-.00146**	**.01451**	**4.8503**	**10.380**	**.00005**	**.59716**	**-.00040**
Stddev	.00031	.00012	.51	.00098	.00310	.0704	.151	.00012	.00174	.00149
%RSD	1.2759	38.617	.45606	67.186	21.354	1.4508	1.4508	237.53	.29068	376.71
#1	.02434	.00022	113.09	-.00076	.01232	4.9000	10.486	-.00003	.59839	-.00145
#2	.02390	.00038	112.36	-.00215	.01670	4.8005	10.273	.00014	.59593	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00027**	**.13630**	**.00170**	**.01178**	**.00551**
Stddev	.00026	.00065	.02108	.00007	.00046	.00101
%RSD	80.154	242.86	15.464	4.1348	3.8643	18.289
#1	-.00014	.00019	.15121	.00175	.01146	.00622
#2	-.00051	-.00073	.12140	.00165	.01210	.00479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6419.1**	**90956.**	**5574.5**
Stddev	4.9	496.	13.7
%RSD	.07651	.54548	.24657
#1	6415.6	91307.	5584.2
#2	6422.6	90605.	5564.8

Sample Name: 280-48914-g-6-d Acquired: 11/16/2013 1:31:57 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**.01654**	**-.00102**	**.93276**	**.01803**	**-.00007**	**-.00243**	**3.3943**	**.00027**	**-.00051**
Stddev	.00015	.00006	.00241	.00091	.00006	.00001	.00157	.0106	.00001	.00004
%RSD	17.758	.38303	236.02	.09799	.34735	19.743	64.342	.31075	5.0695	8.1278
#1	-.00095	.01659	-.00273	.93341	.01799	-.00009	-.00133	3.3868	.00027	-.00054
#2	-.00074	.01650	.00068	.93211	.01807	-.00006	-.00354	3.4018	.00026	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00154**	**.01553**	**.73386**	**.24079**	**.37130**	**.01307**	**.05699**	**490.98**	**.00094**
Stddev	.00012	.00023	.00246	.03171	.00181	.00252	.00002	.00028	.80	.00012
%RSD	5362.6	14.918	15.858	4.3215	.75024	.67861	.17956	.48573	.16295	12.710
#1	-.00008	.00170	.01728	.71143	.23951	.36952	.01306	.05680	491.55	.00102
#2	.00009	.00138	.01379	.75628	.24206	.37308	.01309	.05719	490.41	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01906**	**.00079**	**117.06**	**-.00213**	**.00022**	**3.9742**	**8.5047**	**.00072**	**.50145**	**-.00107**
Stddev	.00031	.00008	.36	.00130	.00129	.0190	.0406	.00015	.00008	.00008
%RSD	1.6042	10.121	.30961	60.971	575.92	.47749	.47749	20.363	.01599	7.3628
#1	.01928	.00084	117.32	-.00121	.00114	3.9876	8.5334	.00083	.50150	-.00101
#2	.01885	.00073	116.81	-.00305	-.00069	3.9608	8.4760	.00062	.50139	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.00007**	**.05471**	**.00015**	**.00468**	**.00369**
Stddev	.00002	.00044	.01622	.00022	.00007	.00161
%RSD	5.0863	620.82	29.650	146.94	1.4264	43.607
#1	-.00035	.00024	.06618	-.00001	.00473	.00255
#2	-.00038	-.00038	.04324	.00030	.00463	.00483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6504.9**	**92472.**	**5542.8**
Stddev	5.3	23.	26.9
%RSD	.08109	.02538	.48477
#1	6501.2	92455.	5561.8
#2	6508.6	92488.	5523.8

Sample Name: 280-48914-g-7-d Acquired: 11/16/2013 1:34:24 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00141**	**-.00170**	**.50959**	**.01141**	**.00006**	**-.00156**	**106.90**	**.00040**	**-.00049**
Stddev	.00001	.00019	.00307	.00082	.00011	.00004	.00155	1.39	.00009	.00015
%RSD	2.8741	13.564	180.39	.16009	.98832	58.682	99.383	1.3005	21.576	29.811
#1	-.00028	.00155	-.00388	.51017	.01149	.00009	-.00046	105.92	.00034	-.00039
#2	-.00027	.00128	.00047	.50902	.01133	.00004	-.00265	107.88	.00046	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.01108**	**.00254**	**.39970**	**.10740**	**17.863**	**.01216**	**.00375**	W **606.21**	**.00078**
Stddev	.00006	.00024	.00116	.00684	.00170	.006	.00004	.00003	8.57	.00021
%RSD	13.182	2.1286	45.650	1.7105	1.5832	.03586	.31729	.87078	1.4141	26.275
#1	.00050	.01092	.00172	.39487	.10620	17.858	.01219	.00372	600.15	.00064
#2	.00041	.01125	.00336	.40454	.10860	17.867	.01213	.00377	612.27	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06303**	**-.00109**	F **286.90**	**-.00123**	**.00454**	**4.1729**	**8.9301**	**-.00071**	**4.6319**	**-.00129**
Stddev	.00111	.00048	.22	.00020	.00260	.0176	.0377	.00027	.0659	.00046
%RSD	1.7634	44.170	.07598	16.293	57.254	.42186	.42186	38.546	1.4233	35.355
#1	.06381	-.00143	287.05	-.00109	.00270	4.1605	8.9034	-.00090	4.5852	-.00161
#2	.06224	-.00075	286.74	-.00138	.00637	4.1854	8.9567	-.00051	4.6785	-.00097
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00066**	**.04876**	**.01259**	**.00506**	**.00493**
Stddev	.00006	.00034	.02556	.00033	.00041	.00028
%RSD	9.5792	51.166	52.428	2.6394	8.1256	5.7639
#1	-.00069	-.00089	.06684	.01282	.00535	.00513
#2	-.00060	-.00042	.03068	.01235	.00477	.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6442.4**	**91342.**	**5534.8**
Stddev	.7	165.	34.4
%RSD	.01164	.18108	.62113
#1	6442.9	91225.	5559.1
#2	6441.9	91459.	5510.5

Sample Name: 280-48914-g-8-d Acquired: 11/16/2013 1:36:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.06706**	**-.00194**	**1.5164**	**.01452**	**-.00002**	**-.00087**	**2.9547**	**.00002**	**-.00054**
Stddev	.00010	.00060	.00070	.0048	.00003	.00004	.00171	.0048	.00002	.00011
%RSD	9.8752	.89364	36.352	.31903	.17905	151.14	197.72	.16396	100.42	20.077
#1	-.00090	.06748	-.00144	1.5198	.01454	-.00005	-.00208	2.9513	.00004	-.00046
#2	-.00103	.06663	-.00244	1.5130	.01450	.00000	.00035	2.9582	.00001	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00123**	**.01417**	**.96804**	**.22585**	**.43113**	**.00530**	**.01228**	**458.59**	**.00077**
Stddev	.00012	.00004	.00106	.03838	.00193	.00123	.00003	.00011	7.16	.00028
%RSD	102.47	3.6300	7.4869	3.9651	.85568	.28573	.62713	.89161	1.5612	35.962
#1	.00021	.00126	.01342	.99518	.22721	.43200	.00533	.01235	463.66	.00096
#2	.00003	.00120	.01492	.94090	.22448	.43026	.00528	.01220	453.53	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06828**	**.00058**	**161.34**	**-.00170**	**-.00076**	**10.286**	**22.013**	**-.00039**	**1.0369**	**-.00134**
Stddev	.00009	.00158	.36	.00003	.00166	.023	.049	.00024	.0167	.00077
%RSD	.12549	272.00	.22283	2.0287	218.18	.22190	.22190	61.325	1.6098	57.503
#1	.06822	.00170	161.60	-.00167	.00041	10.270	21.978	-.00056	1.0487	-.00080
#2	.06834	-.00054	161.09	-.00172	-.00194	10.302	22.047	-.00022	1.0251	-.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**-.00036**	**.05755**	**-.00010**	**.00476**	**.00309**
Stddev	.00012	.00065	.02760	.00033	.00009	.00104
%RSD	8.1044	180.08	47.952	335.43	1.9803	33.712
#1	.00145	.00010	.07706	-.00034	.00483	.00235
#2	.00163	-.00082	.03804	.00014	.00470	.00383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6551.4**	**92994.**	**5609.6**
Stddev	2.7	327.	84.6
%RSD	.04127	.35121	1.5089
#1	6549.5	92763.	5549.7
#2	6553.3	93225.	5669.4

Sample Name: 280-48914-g-9-d Acquired: 11/16/2013 1:39:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999986 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00759**	**-.00068**	**1.6019**	**.01003**	**-.00002**	**-.00222**	**19.462**	**.00019**	**-.00056**
Stddev	.00008	.00029	.00033	.0001	.00020	.00009	.00232	.091	.00001	.00022
%RSD	14.549	3.8186	49.160	.00552	2.0243	527.57	104.48	.46764	4.8458	39.793
#1	-.00051	.00739	-.00091	1.6019	.01017	.00005	-.00058	19.527	.00020	-.00072
#2	-.00063	.00780	-.00044	1.6020	.00988	-.00008	-.00386	19.398	.00019	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00158**	**.00948**	**1.3774**	**.38361**	**2.0084**	**.05797**	**.01199**	W **794.08**	**.00003**
Stddev	.00010	.00007	.00025	.0131	.00076	.0130	.00045	.00014	2.86	.00029
%RSD	57.308	4.5426	2.6849	.94887	.19922	.64564	.77240	1.1885	.36052	839.55
#1	.00010	.00153	.00966	1.3867	.38415	1.9992	.05765	.01209	796.10	.00024
#2	.00024	.00163	.00930	1.3682	.38307	2.0175	.05829	.01189	792.05	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01238**	**-.00033**	F **331.21**	**-.00135**	**.00121**	**3.5801**	**7.6615**	**-.00018**	W **5.7857**	**-.00262**
Stddev	.00000	.00036	.22	.00032	.00201	.0167	.0357	.00014	.0193	.00356
%RSD	.03973	107.67	.06734	23.856	165.08	.46568	.46568	78.657	.33409	135.74
#1	.01239	-.00059	331.37	-.00158	.00263	3.5684	7.6363	-.00008	5.7993	-.00513
#2	.01238	-.00008	331.05	-.00113	-.00020	3.5919	7.6867	-.00028	5.7720	-.00011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.00022**	**.02753**	**.00028**	**.00459**	**.00338**
Stddev	.00025	.00051	.02931	.00038	.00022	.00102
%RSD	51.409	234.82	106.46	134.86	4.8984	30.237
#1	-.00066	-.00014	.04825	.00001	.00443	.00411
#2	-.00031	.00058	.00681	.00055	.00474	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6418.4**	**90968.**	**5565.1**
Stddev	1.5	49.	34.6
%RSD	.02386	.05411	.62247
#1	6417.3	91003.	5540.6
#2	6419.5	90933.	5589.6

Sample Name: CCVH-2382126 Acquired: 11/16/2013 1:41:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00727**	**49.944**	**.00091**	**.00762**	**.00044**	**-.00015**	**1.0384**	**.00151**	**.00068**	**-.00053**	**.00026**	**.01849**	**48.762**
Stddev	.00042	.129	.00097	.00033	.00039	.00011	.0002	.00335	.00034	.00024	.00010	.00002	.057
%RSD	5.7436	.25849	106.61	4.2653	89.352	70.994	.01573	222.13	50.385	45.673	40.451	.13300	.11655
#1	-.00697	50.036	.00022	.00785	.00072	-.00008	1.0385	.00388	.00092	-.00070	.00033	.01847	48.802
#2	-.00757	49.853	.00160	.00739	.00016	-.00023	1.0383	-.00086	.00044	-.00036	.00018	.01851	48.722
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06363**	**.00043**	**.08316**	**.00112**	**.00010**	**273.21**	**-.00069**	**.00262**	**.00177**	**5.1389**	**-.00044**	**-.00460**	**.00123**
Stddev	.04115	.00018	.00067	.00002	.00018	1.22	.00005	.00109	.00130	.0041	.00093	.00021	.00596
%RSD	64.663	42.605	.80894	2.1843	174.15	.44794	7.1991	41.564	73.501	.07975	210.33	4.6416	483.99
#1	.03454	.00030	.08268	.00110	-.00002	274.08	-.00072	.00185	.00269	5.1418	.00022	-.00445	.00545
#2	.09273	.00055	.08363	.00114	.00023	272.35	-.00065	.00339	.00085	5.1360	-.00110	-.00475	-.00299
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00264**	**.00001**	**.00122**	**4.7536**	**.01569**	**.00227**	F **8.7871**	**.00311**	**.00186**	**-.07834**
Stddev	.01276	.00050	.00015	.0110	.00008	.00146	.0121	.00020	.00027	.00582
%RSD	483.99	6993.3	12.466	.23131	.51369	64.376	.13729	6.4553	14.597	7.4243
#1	.01166	-.00035	.00133	4.7458	.01564	.00330	8.7785	.00297	.00167	-.07423
#2	-.00639	.00036	.00111	4.7614	.01575	.00124	8.7956	.00325	.00206	-.08245
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6829.1**	**96208.**	**5626.7**
Stddev	28.6	238.	8.9
%RSD	.41930	.24738	.15809
#1	6808.9	96376.	5620.4
#2	6849.4	96040.	5632.9

Sample Name: CCV-2372889 Acquired: 11/16/2013 1:44:12 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50413**	**.52831**	**1.0420**	**.53538**	**.52813**	**.50852**	**-.01008**	**5.1038**	**.51117**	**.51779**	**.52435**	**.51265**	**2.5038**
Stddev	.00158	.00092	.0047	.00383	.00019	.00023	.00165	.0018	.00075	.00008	.00168	.00082	.0032
%RSD	.31247	.17383	.45177	.71566	.03504	.04601	16.330	.03486	.14717	.01491	.31998	.16092	.12650
#1	.50524	.52896	1.0387	.53267	.52800	.50835	-.00892	5.1051	.51170	.51785	.52554	.51323	2.5061
#2	.50302	.52767	1.0454	.53809	.52826	.50868	-.01125	5.1026	.51064	.51774	.52317	.51207	2.5016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **55.887**	**1.0724**	**19.587**	**.50757**	**.52192**	F **5.6857**	**.53223**	**1.0319**	**1.0729**	**.07659**	**1.0441**	**1.0486**	**4.9608**
Stddev	.055	.0028	.023	.00006	.00215	.0633	.00302	.0070	.0043	.00079	.0051	.0079	.0243
%RSD	.09846	.26525	.11898	.01268	.41236	1.1127	.56676	.67796	.40162	1.0286	.48837	.74923	.49011
#1	55.926	1.0704	19.604	.50752	.52039	5.7304	.53010	1.0269	1.0699	.07603	1.0405	1.0430	4.9436
#2	55.848	1.0744	19.571	.50761	.52344	5.6409	.53437	1.0368	1.0760	.07714	1.0477	1.0541	4.9780
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.616**	**1.0427**	**.51687**	**.00613**	**.49013**	**1.0524**	**-.00242**	**.50125**	**.49169**	**.50398**
Stddev	.052	.0011	.00085	.00115	.00098	.0057	.00367	.00055	.00408	.00133
%RSD	.49011	.10907	.16492	18.684	.19905	.54612	151.35	.11039	.82991	.26299
#1	10.579	1.0419	.51747	.00694	.49082	1.0483	.00017	.50086	.49457	.50304
#2	10.653	1.0435	.51627	.00532	.48944	1.0564	-.00502	.50164	.48880	.50492
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6749.5**	**95743.**	**5370.1**
Stddev	31.6	82.	10.3
%RSD	.46866	.08525	.19095
#1	6727.1	95801.	5362.9
#2	6771.8	95686.	5377.4

Sample Name: CCB Acquired: 11/16/2013 1:46:21 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00101**	**.00229**	W **.00535**	**.00026**	**.00017**	**-.00016**	**.00488**	**.00030**	**-.00025**	**-.00003**	**-.00105**
Stddev	.00030	.00041	.00060	.00018	.00005	.00020	.00196	.00284	.00014	.00003	.00008	.00009
%RSD	223.60	40.564	26.025	3.2788	17.376	121.80	1242.7	58.316	47.437	13.436	306.74	8.5792
#1	-.00008	.00130	.00187	.00547	.00023	.00031	-.00154	.00689	.00020	-.00027	.00003	-.00111
#2	.00035	.00072	.00271	.00522	.00030	.00002	.00123	.00287	.00040	-.00023	-.00009	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00913**	**.02586**	**.00075**	**.00037**	**.00005**	**.00229**	F **.27077**	**-.00006**	**-.00004**	**.00026**	**.06921**	**.00267**
Stddev	.00758	.02506	.00155	.00087	.00002	.00063	.06379	.00014	.00187	.00008	.00000	.00211
%RSD	82.953	96.928	206.21	231.83	47.942	27.718	23.558	254.72	4761.8	29.701	.00062	79.192
#1	.01449	.04358	-.00034	-.00024	.00006	.00184	.31587	-.00016	-.00136	.00020	.06921	.00117
#2	.00378	.00814	.00185	.00099	.00003	.00274	.22566	.00005	.00128	.00031	.06921	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00458**	**-.00540**	**-.01155**	**.00028**	W **.00035**	**.00016**	**-.00011**	**-.00018**	**.00658**	**-.00040**	**.00411**	W **.00398**
Stddev	.00048	.00443	.00949	.00060	.00017	.00035	.00031	.00009	.00962	.00019	.00006	.00038
%RSD	10.529	82.155	82.155	210.42	49.702	219.88	295.86	51.196	146.28	49.075	1.4864	9.4845
#1	.00424	-.00226	-.00484	-.00014	.00047	-.00009	.00012	-.00011	-.00023	-.00053	.00406	.00371
#2	.00492	-.00853	-.01826	.00071	.00023	.00040	-.00033	-.00024	.01338	-.00026	.00415	.00425
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00030							.00238
Low Limit					-.00030							-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6752.6**	**99397.**	**5374.4**
Stddev	9.8	1212.	26.6
%RSD	.14502	1.2191	.49524
#1	6759.6	100250.	5355.5
#2	6745.7	98540.	5393.2

Sample Name: CCVL-2383195 Acquired: 11/16/2013 1:48:41 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01044**	**.11361**	**.01612**	**.11050**	**.01118**	**.00109**	**.12334**	**.22288**	**.00544**	**.01092**	**.01097**	**.01500**	**.10928**
Stddev	.00054	.00049	.00050	.00024	.00022	.00001	.00022	.00264	.00007	.00023	.00005	.00001	.00052
%RSD	5.1956	.43111	3.0805	.21632	1.9295	1.1055	.17793	1.1836	1.2327	2.0862	.48276	.06783	.47383
#1	.01006	.11396	.01647	.11067	.01133	.00110	.12349	.22475	.00549	.01108	.01101	.01499	.10891
#2	.01082	.11327	.01577	.11033	.01103	.00108	.12318	.22102	.00539	.01076	.01094	.01501	.10964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4515**	**.01118**	**.20996**	**.01079**	**.02071**	**1.2921**	**.04489**	**3.0765**	**.00978**	**.05228**	**.00980**	F **.01968**	**.49439**
Stddev	.0272	.00070	.00014	.00004	.00033	.0119	.00019	.0256	.00032	.00142	.00144	.00064	.03220
%RSD	.78711	6.2987	.06520	.38347	1.5926	.92049	.42678	.83131	3.2776	2.7085	14.705	3.2730	6.5130
#1	3.4323	.01168	.20986	.01076	.02094	1.3005	.04502	3.0946	.01000	.05328	.00878	.02014	.51716
#2	3.4707	.01068	.21006	.01081	.02047	1.2837	.04475	3.0584	.00955	.05128	.01082	.01923	.47163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0580**	**.11065**	**.01057**	**.01461**	**.00982**	**.01683**	**.07606**	**.00990**	F **.02601**	**.01836**
Stddev	.0689	.00050	.00003	.00059	.00025	.00018	.02959	.00004	.00025	.00098
%RSD	6.5130	.45344	.25600	4.0177	2.5064	1.0558	38.900	.41301	.95906	5.3135
#1	1.1067	.11100	.01059	.01420	.00964	.01671	.09699	.00987	.02583	.01767
#2	1.0093	.11029	.01055	.01503	.00999	.01696	.05514	.00993	.02619	.01904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6958.9**	**101160.**	**5489.3**
Stddev	20.9	133.	77.3
%RSD	.29995	.13177	1.4089
#1	6944.1	101250.	5434.6
#2	6973.7	101060.	5544.0

Sample Name: mb 280-199981/1-a Acquired: 11/16/2013 1:51:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01559**	**.00101**	**.00483**	**.00000**	**.00000**	**-.00163**	**.00512**	**.00045**	**-.00009**
Stddev	.00006	.00783	.00077	.00084	.0000	.0001	.00100	.00190	.00005	.00011
%RSD	16.141	50.195	76.708	17.386	1370.5	7195.9	61.722	36.995	10.935	124.51
#1	-.00035	.01006	.00156	.00423	-.00003	-.00007	-.00234	.00646	.00041	-.00016
#2	-.00044	.02113	.00046	.00542	.00002	.00006	-.00092	.00378	.00048	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00101**	**.02027**	**-.05399**	**.00078**	**.00084**	**.00016**	**.00036**	**.17264**	**.00018**
Stddev	.00009	.00030	.00049	.02497	.00013	.00244	.00002	.00020	.00731	.00007
%RSD	45.126	29.504	2.4229	46.254	16.478	289.56	14.286	54.925	4.2336	38.916
#1	.00014	-.00080	.02062	-.03633	.00087	.00257	.00014	.00022	.17781	.00013
#2	.00027	-.00122	.01992	-.07165	.00069	-.00088	.00018	.00051	.16748	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00560**	**.00019**	F **.21656**	**-.00129**	**.00101**	**.00158**	**.00337**	**.00016**	**.00018**	**-.00004**
Stddev	.00173	.00046	.20051	.00100	.00379	.02969	.06353	.00018	.00001	.00070
%RSD	30.925	238.06	92.589	77.478	374.48	1882.9	1882.9	112.99	7.8237	1637.8
#1	.00437	.00051	.07478	-.00058	-.00167	-.01941	-.04155	.00003	.00017	.00045
#2	.00682	-.00013	.35834	-.00200	.00369	.02257	.04830	.00029	.00019	-.00053
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00010**	**.02183**	**-.00067**	**.00427**	**.00597**
Stddev	.00001	.00121	.02129	.00003	.00030	.00010
%RSD	13.170	1205.2	97.532	3.8582	6.9949	1.6648
#1	-.00009	-.00096	.03688	-.00069	.00406	.00604
#2	-.00007	.00076	.00677	-.00065	.00448	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.5**	**100860.**	**5521.3**
Stddev	20.5	239.	34.5
%RSD	.29731	.23660	.62494
#1	6896.0	100690.	5545.7
#2	6925.0	101030.	5496.9

Sample Name: lcs 280-199981/2-a Acquired: 11/16/2013 1:53:20 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04773**	**1.9604**	**1.0695**	**1.0671**	**2.0556**	**.04945**	**2.1740**	**48.715**	**.10116**	**.50086**
Stddev	.00010	.0039	.0010	.0023	.0006	.00009	.0040	.090	.00019	.00044
%RSD	.21340	.20123	.09550	.21284	.02941	.18033	.18572	.18550	.18498	.08791
#1	.04780	1.9631	1.0688	1.0655	2.0551	.04951	2.1712	48.779	.10129	.50054
#2	.04766	1.9576	1.0702	1.0687	2.0560	.04938	2.1769	48.651	.10102	.50117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20967**	**.26125**	**.99363**	**55.331**	**1.0534**	**48.271**	**.49707**	**1.0554**	F **56.824**	**.51664**
Stddev	.00001	.00249	.00081	.015	.0017	.297	.00424	.0011	.066	.00152
%RSD	.00648	.95489	.08115	.02722	.16040	.61594	.85255	.10618	.11557	.29439
#1	.20968	.25949	.99420	55.342	1.0522	48.061	.49408	1.0561	56.871	.51772
#2	.20966	.26301	.99306	55.321	1.0546	48.481	.50007	1.0546	56.778	.51557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.503**	**.52592**	**.04160**	**.52166**	**2.1440**	**10.001**	**21.402**	**2.0838**	**1.0016**	**.95772**
Stddev	.008	.00033	.00052	.00439	.0005	.041	.087	.0089	.0015	.01125
%RSD	.08073	.06295	1.2456	.84235	.02424	.40563	.40563	.42704	.15447	1.1748
#1	10.497	.52616	.04124	.51855	2.1437	10.030	21.464	2.0775	1.0005	.94977
#2	10.509	.52569	.04197	.52477	2.1444	9.9724	21.341	2.0901	1.0027	.96568
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99106**	**1.9916**	F **2.4618**	**.50205**	**.47563**	**.48682**
Stddev	.00948	.0113	.0334	.00446	.00194	.00366
%RSD	.95615	.56691	1.3551	.88841	.40708	.75189
#1	.98436	1.9836	2.4382	.49889	.47426	.48941
#2	.99776	1.9996	2.4854	.50520	.47700	.48424
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6636.6**	**96074.**	**5592.3**
Stddev	9.7	3.	14.5
%RSD	.14545	.00268	.26002
#1	6643.4	96072.	5582.0
#2	6629.7	96075.	5602.6

Sample Name: 280-48914-s-1-a Acquired: 11/16/2013 1:55:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01105**	**.01167**	**.60678**	**.00979**	**.00003**	**-.00053**	**59.498**	**.00018**	**-.00073**
Stddev	.00022	.00018	.00062	.00022	.00008	.00005	.00136	.054	.00006	.00000
%RSD	92.470	1.6174	5.3370	.03697	.79486	164.08	257.87	.09085	33.854	.49218
#1	-.00039	.01092	.01123	.60662	.00985	.00007	-.00149	59.460	.00023	-.00073
#2	-.00008	.01118	.01211	.60694	.00974	-.00001	.00043	59.537	.00014	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.01291**	**.02098**	**1.5379**	**.15818**	**9.7747**	**.00239**	**.00918**	W **590.16**	**.00057**
Stddev	.00000	.00031	.00105	.0224	.00199	.0265	.00008	.00072	1.60	.00030
%RSD	.02285	2.4332	4.9816	1.4592	1.2586	.27131	3.4450	7.8666	.27171	52.392
#1	.01109	.01313	.02172	1.5538	.15959	9.7935	.00245	.00867	589.03	.00036
#2	.01109	.01269	.02024	1.5220	.15677	9.7560	.00233	.00969	591.29	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03427**	**.00087**	F **238.90**	**-.00187**	**.01507**	**3.5166**	**7.5255**	**.00120**	W **5.3799**	**.00043**
Stddev	.00283	.00095	.20	.00192	.00448	.0281	.0602	.00001	.0827	.00190
%RSD	8.2724	109.48	.08239	102.43	29.726	.80024	.80024	.46196	1.5367	437.96
#1	.03226	.00155	239.04	-.00323	.01190	3.5365	7.5680	.00120	5.3214	.00178
#2	.03627	.00020	238.76	-.00052	.01824	3.4967	7.4829	.00120	5.4383	-.00091
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00091**	**.05807**	**.00655**	**.03125**	**.00250**
Stddev	.00001	.00109	.00645	.00001	.00045	.00122
%RSD	1.5449	120.62	11.115	.19682	1.4314	48.726
#1	.00042	.00168	.05350	.00654	.03156	.00164
#2	.00043	.00013	.06263	.00656	.03093	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6390.7**	**90340.**	**5422.2**
Stddev	11.8	218.	39.3
%RSD	.18499	.24148	.72550
#1	6382.3	90186.	5450.0
#2	6399.0	90494.	5394.4

Sample Name: 280-48914-s-1-aSD@5 Acquired: 11/16/2013 1:58:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.01172**	**.00058**	**.13763**	**.00247**	**-.00004**	**.00011**	**12.688**	**.00026**	**-.00035**
Stddev	.00029	.00004	.00018	.00056	.00013	.00010	.00042	.008	.00005	.00006
%RSD	124.11	.34291	31.305	.40955	5.3334	240.86	389.21	.06326	18.178	16.300
#1	-.00044	.01175	.00071	.13803	.00256	-.00011	.00040	12.682	.00029	-.00031
#2	-.00003	.01169	.00045	.13723	.00237	.00003	-.00019	12.694	.00023	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00234**	**.00302**	**.01805**	**.29386**	**.03265**	**2.1573**	**.00068**	**.00159**	**124.96**	**-.00008**
Stddev	.00007	.00063	.00458	.01897	.00013	.0020	.00006	.00033	.32	.00043
%RSD	3.0705	20.873	25.385	6.4566	.40187	.09270	8.2664	20.711	.25982	510.43
#1	.00229	.00347	.02130	.28044	.03256	2.1559	.00072	.00136	124.73	.00022
#2	.00239	.00257	.01481	.30727	.03274	2.1587	.00064	.00183	125.19	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00665**	**.00079**	**50.608**	**-.00047**	**.00648**	**.74627**	**1.5970**	**.00251**	**1.1475**	**-.00097**
Stddev	.00065	.00057	.047	.00013	.00468	.00491	.0105	.00008	.0025	.00033
%RSD	9.7733	72.595	.09279	26.876	72.182	.65782	.65782	3.0909	.21772	33.541
#1	.00619	.00119	50.641	-.00038	.00978	.74280	1.5896	.00246	1.1492	-.00120
#2	.00711	.00038	50.575	-.00056	.00317	.74974	1.6044	.00257	1.1457	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00070**	**.02459**	**.00100**	**.01342**	**.00335**
Stddev	.00051	.00058	.00396	.00016	.00023	.00021
%RSD	651.96	82.652	16.083	15.833	1.7468	6.2214
#1	-.00044	.00111	.02180	.00089	.01358	.00320
#2	.00028	.00029	.02739	.00111	.01325	.00350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6627.0**	**95110.**	**5443.1**
Stddev	1.9	104.	23.3
%RSD	.02831	.10980	.42821
#1	6625.7	95036.	5459.6
#2	6628.3	95184.	5426.6

Sample Name: 280-48914-s-1-b ms Acquired: 11/16/2013 2:00:23 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04908**	**1.8986**	**1.1017**	**1.6144**	**2.0759**	**.04977**	F **2.1111**	**107.38**	**.10283**	**.49334**
Stddev	.00006	.0040	.0013	.0001	.0046	.00013	.0058	.13	.00003	.00031
%RSD	.11219	.21032	.11332	.00306	.22308	.25249	.27584	.12513	.02496	.06299
#1	.04904	1.8958	1.1009	1.6145	2.0792	.04986	2.1152	107.48	.10281	.49356
#2	.04912	1.9015	1.1026	1.6144	2.0726	.04968	2.1069	107.29	.10285	.49312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20809**	**.26426**	**.99640**	**59.746**	**1.2535**	**56.688**	**.49717**	**1.0486**	W **640.71**	**.51129**
Stddev	.00021	.00087	.00444	.156	.0014	.060	.00015	.0007	.99	.00018
%RSD	.10172	.32804	.44605	.26159	.11428	.10665	.03038	.06661	.15480	.03437
#1	.20794	.26487	.99954	59.856	1.2545	56.645	.49728	1.0491	641.42	.51142
#2	.20824	.26364	.99326	59.635	1.2525	56.730	.49706	1.0481	640.01	.51117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.009**	**.50248**	F **241.27**	**.52205**	**2.1953**	**13.638**	**29.186**	W **2.0359**	W **6.4823**	**.96961**
Stddev	.000	.00078	.01	.00103	.0016	.042	.089	.0006	.0959	.00284
%RSD	.00419	.15610	.00360	.19805	.07457	.30497	.30497	.02779	1.4791	.29316
#1	11.008	.50193	241.28	.52278	2.1942	13.668	29.249	2.0363	6.5501	.96760
#2	11.009	.50304	241.26	.52132	2.1965	13.609	29.123	2.0355	6.4145	.97162
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit	2.0000		200.00					2.0000	5.0000	
Low Limit	-1.0000		-.20000					-.05000	-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99238**	**1.7931**	**2.4094**	**.51474**	**.51328**	**.49203**
Stddev	.00032	.0018	.0220	.00083	.00316	.00538
%RSD	.03274	.09829	.91353	.16087	.61538	1.0940
#1	.99261	1.7918	2.4249	.51415	.51104	.49584
#2	.99215	1.7943	2.3938	.51532	.51551	.48823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6324.9**	**89631.**	**5468.7**
Stddev	7.7	336.	25.6
%RSD	.12134	.37478	.46856
#1	6330.3	89869.	5450.6
#2	6319.5	89393.	5486.8

Sample Name: 280-48914-s-1-c msd Acquired: 11/16/2013 2:02:42 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05200**	**1.9347**	**1.1293**	**1.6709**	**2.1435**	**.05107**	F **2.1775**	**111.03**	**.10464**	**.50461**
Stddev	.00046	.0014	.0079	.0076	.0038	.00018	.0111	.38	.00039	.00017
%RSD	.88195	.07332	.69752	.45760	.17747	.35984	.50848	.34214	.37355	.03396
#1	.05168	1.9337	1.1237	1.6654	2.1462	.05120	2.1696	111.30	.10437	.50449
#2	.05233	1.9357	1.1349	1.6763	2.1408	.05094	2.1853	110.76	.10492	.50473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21177**	**.27010**	**1.0198**	**61.555**	**1.2959**	**57.778**	**.50617**	**1.0799**	W **667.49**	**.52013**
Stddev	.00112	.00006	.0056	.135	.0020	.338	.00129	.0004	1.85	.00240
%RSD	.53045	.02371	.54432	.21948	.15318	.58518	.25447	.03972	.27700	.46118
#1	.21098	.27005	1.0238	61.651	1.2973	57.539	.50526	1.0796	668.80	.51844
#2	.21257	.27014	1.0159	61.460	1.2945	58.017	.50708	1.0802	666.19	.52183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.349**	**.51048**	F **249.79**	**.53437**	**2.2405**	**14.007**	**29.975**	W **2.0713**	W **6.5292**	**.99229**
Stddev	.027	.00341	.42	.00308	.0076	.091	.196	.0077	.0529	.00134
%RSD	.23923	.66854	.16816	.57597	.33703	.65222	.65222	.37002	.81035	.13516
#1	11.330	.50807	249.50	.53219	2.2351	14.072	30.113	2.0658	6.4917	.99134
#2	11.368	.51289	250.09	.53655	2.2458	13.942	29.837	2.0767	6.5666	.99323
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit	2.0000		200.00					2.0000	5.0000	
Low Limit	-1.0000		-.20000					-.05000	-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0158**	**1.8182**	**2.4433**	**.52513**	**.52281**	**.50325**
Stddev	.0063	.0102	.0162	.00092	.00206	.00159
%RSD	.61484	.56220	.66281	.17609	.39407	.31552
#1	1.0113	1.8110	2.4318	.52447	.52135	.50213
#2	1.0202	1.8254	2.4547	.52578	.52427	.50437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6275.0**	**89806.**	**5450.6**
Stddev	.6	360.	63.8
%RSD	.00901	.40075	1.1711
#1	6275.4	90061.	5405.5
#2	6274.6	89552.	5495.8

Sample Name: 280-48914-s-1-aPDS Acquired: 11/16/2013 2:05:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04229**	**1.0321**	**.24484**	**.70291**	**.12088**	**.05342**	**-.00339**	**79.772**	**.05482**	**.05188**
Stddev	.00048	.0035	.00087	.00125	.00008	.00008	.00157	.269	.00026	.00003
%RSD	1.1233	.33915	.35600	.17733	.06464	.14380	46.293	.33738	.48303	.05696
#1	.04195	1.0296	.24545	.70380	.12094	.05348	-.00450	79.582	.05501	.05190
#2	.04262	1.0346	.24422	.70203	.12083	.05337	-.00228	79.963	.05463	.05186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06470**	**.06918**	**1.0712**	**26.704**	**.27341**	**28.931**	**.05479**	**.06107**	W **610.39**	**.05394**
Stddev	.00023	.00057	.0013	.071	.00078	.231	.00039	.00059	2.14	.00046
%RSD	.36120	.82767	.11717	.26419	.28382	.79977	.70660	.95984	.35045	.85454
#1	.06486	.06878	1.0720	26.654	.27286	28.768	.05451	.06066	608.88	.05427
#2	.06453	.06959	1.0703	26.754	.27395	29.095	.05506	.06149	611.91	.05361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4063**	**.10591**	F **237.06**	**.10289**	**.24145**	**8.5075**	**18.206**	**.10180**	W **5.3902**	**.20253**
Stddev	.0028	.00192	.28	.00009	.00012	.0216	.046	.00187	.0428	.00049
%RSD	.11562	1.8124	.11614	.08735	.05026	.25434	.25434	1.8329	.79474	.24065
#1	2.4082	.10727	236.86	.10295	.24154	8.5228	18.239	.10312	5.4205	.20287
#2	2.4043	.10455	237.25	.10283	.24137	8.4922	18.173	.10048	5.3599	.20218
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05074**	**.19085**	**.69099**	**.06042**	**.24380**	**.05162**
Stddev	.00048	.00018	.02672	.00040	.00190	.00025
%RSD	.93907	.09636	3.8670	.66795	.77994	.49203
#1	.05040	.19072	.67210	.06013	.24245	.05144
#2	.05107	.19098	.70988	.06070	.24514	.05180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6422.0**	**90889.**	**5449.6**
Stddev	.1	202.	12.7
%RSD	.00175	.22183	.23340
#1	6421.9	91032.	5440.6
#2	6422.0	90747.	5458.6

Sample Name: CCVH-2382126 Acquired: 11/16/2013 2:07:25 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00755**	**52.235**	**.00115**	**.00645**	**.00069**	**-.00010**	W **1.0956**	**.00109**	**.00069**	**-.00058**	**.00028**	**.01988**
Stddev	.00030	.023	.00027	.00022	.00005	.00000	.0049	.00089	.00015	.00014	.00011	.00068
%RSD	3.9297	.04317	23.783	3.4532	7.4722	4.5056	.44602	81.837	21.946	23.606	39.551	3.4129
#1	-.00734	52.250	.00095	.00630	.00073	-.00009	1.0921	.00046	.00080	-.00049	.00020	.01940
#2	-.00776	52.219	.00134	.00661	.00066	-.00010	1.0990	.00171	.00058	-.00068	.00036	.02036
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.971**	**.09477**	**.00210**	**.08797**	**.00109**	**.00104**	F **286.39**	**-.00065**	**.00421**	**.00136**	W **5.3954**	**-.00044**
Stddev	.223	.00476	.00091	.00143	.00005	.00055	.68	.00008	.00313	.00056	.0731	.00081
%RSD	.44641	5.0234	43.462	1.6255	4.7348	53.265	.23726	12.915	74.414	41.324	1.3539	183.83
#1	49.813	.09814	.00275	.08898	.00105	.00065	286.87	-.00071	.00199	.00176	5.3437	-.00101
#2	50.129	.09141	.00146	.08696	.00112	.00143	285.91	-.00059	.00642	.00097	5.4470	.00013
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00392**	**-.00707**	**-.01513**	**.00040**	**.00043**	**4.8766**	**.01672**	**.00226**	W **9.1204**	**.00359**	**.00172**	**-.07765**
Stddev	.00583	.00785	.01681	.00034	.00005	.0086	.00035	.00074	.0836	.00035	.00008	.00024
%RSD	148.84	111.05	111.05	85.600	11.583	.17653	2.0794	32.597	.91639	9.7401	4.6905	.30416
#1	-.00804	-.01262	-.02702	.00016	.00039	4.8706	.01647	.00174	9.0613	.00335	.00178	-.07782
#2	.00021	-.00152	-.00325	.00064	.00047	4.8827	.01697	.00278	9.1795	.00384	.00166	-.07749
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6725.3**	**96170.**	**5580.5**
Stddev	26.7	312.	23.0
%RSD	.39764	.32392	.41136
#1	6744.2	96390.	5596.7
#2	6706.4	95949.	5564.2

Sample Name: CCV-2372889 Acquired: 11/16/2013 2:09:51 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51411**	**.53069**	**1.0717**	**.54641**	**.53552**	**.51434**	**-.00933**	**5.1940**	**.52011**	**.52541**	**.53322**	**.52588**	**2.5393**
Stddev	.00002	.00044	.0050	.00158	.00564	.00497	.00083	.0322	.00038	.00015	.00002	.00052	.0129
%RSD	.00370	.08378	.47064	.29000	1.0524	.96626	8.9416	.61982	.07399	.02814	.00363	.09956	.50825
#1	.51413	.53100	1.0681	.54753	.53154	.51083	-.00874	5.1712	.51984	.52552	.53323	.52625	2.5302
#2	.51410	.53037	1.0753	.54529	.53951	.51786	-.00992	5.2168	.52039	.52531	.53321	.52551	2.5484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.759**	**1.0868**	**19.756**	**.51555**	**.53363**	F **5.6280**	**.54111**	**1.0557**	**1.0951**	**.06105**	**1.0717**	**1.0794**	**5.0514**
Stddev	.621	.0133	.012	.00069	.00297	.0570	.00371	.0043	.0049	.00017	.0036	.0034	.0374
%RSD	1.0943	1.2268	.06281	.13303	.55722	1.0130	.68509	.40420	.44341	.27931	.33946	.31365	.74127
#1	56.320	1.0773	19.747	.51507	.53574	5.5877	.54373	1.0587	1.0985	.06117	1.0743	1.0818	5.0249
#2	57.199	1.0962	19.764	.51604	.53153	5.6683	.53849	1.0527	1.0916	.06093	1.0691	1.0770	5.0779
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.810**	**1.0629**	**.52238**	**.00560**	**.49664**	**1.0672**	**.00255**	**.50823**	**.49323**	**.50782**
Stddev	.080	.0043	.00535	.00050	.00100	.0055	.01393	.00171	.00535	.00120
%RSD	.74127	.40103	1.0237	8.9272	.20125	.51936	546.33	.33658	1.0854	.23564
#1	10.753	1.0659	.51860	.00524	.49594	1.0711	.01240	.50702	.48945	.50697
#2	10.867	1.0599	.52616	.00595	.49735	1.0632	-.00730	.50944	.49702	.50866
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6737.0**	**96828.**	**5423.5**
Stddev	9.9	22.	49.8
%RSD	.14751	.02296	.91789
#1	6730.0	96812.	5458.7
#2	6744.0	96844.	5388.3

Sample Name: CCB Acquired: 11/16/2013 2:12:00 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00000**	**.00195**	W **.00464**	**-.00018**	**.00000**	**-.00179**	**.00213**	**.00026**	**-.00026**	**-.00001**	**-.00092**
Stddev	.00008	.00009	.00019	.00022	.00050	.0001	.00103	.00407	.00003	.00016	.00005	.00009
%RSD	25.103	11545.	9.7694	4.8065	274.43	4445.4	57.359	190.52	12.546	64.189	858.90	9.8501
#1	-.00025	-.00007	.00208	.00480	.00017	-.00006	-.00106	-.00074	.00028	-.00037	-.00004	-.00098
#2	-.00036	.00007	.00181	.00449	-.00054	.00006	-.00251	.00501	.00024	-.00014	.00003	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00262**	**.05742**	**.00042**	**.00040**	**.00001**	**.00237**	F **.18945**	**.00009**	**-.00035**	**-.00056**	**.05616**	**.00176**
Stddev	.00013	.01113	.00149	.00073	.00003	.00051	.02262	.00005	.00077	.00047	.00069	.00136
%RSD	4.9190	19.391	352.06	180.86	417.34	21.358	11.940	58.232	219.71	84.007	1.2340	77.475
#1	.00272	.06529	-.00063	.00092	-.00001	.00201	.20544	.00005	-.00089	-.00090	.05567	.00272
#2	.00253	.04955	.00148	-.00011	.00002	.00273	.17345	.00013	.00019	-.00023	.05665	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00270**	**-.00254**	**-.00543**	**.00050**	**-.00005**	**-.00060**	**-.00006**	**.00012**	**.02521**	**-.00033**	**.00334**	W **.00277**
Stddev	.00008	.01395	.02986	.00005	.00011	.00003	.00008	.00022	.01744	.00001	.00003	.00072
%RSD	2.8960	550.32	550.32	9.5857	236.04	4.9760	136.34	189.27	69.195	2.9017	.94260	26.102
#1	.00276	.00733	.01569	.00046	.00003	-.00062	-.00011	-.00004	.01287	-.00032	.00337	.00328
#2	.00265	-.01240	-.02654	.00053	-.00013	-.00058	.00000	.00027	.03754	-.00034	.00332	.00226
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6721.4**	**99109.**	**5383.4**
Stddev	19.3	53.	71.6
%RSD	.28759	.05368	1.3293
#1	6735.0	99146.	5332.8
#2	6707.7	99071.	5434.0

Sample Name: CCVL-2383195 Acquired: 11/16/2013 2:14:20 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01079**	**.11431**	**.01749**	**.11378**	**.01100**	**.00102**	**.12867**	**.21904**	**.00554**	**.01137**	**.01120**	**.01512**	**.11302**
Stddev	.00042	.00051	.00090	.00037	.00012	.00006	.00024	.00642	.00014	.00013	.00029	.00031	.00297
%RSD	3.9196	.45001	5.1282	.32690	1.0550	5.5934	.18867	2.9328	2.4806	1.1417	2.6208	2.0727	2.6281
#1	.01109	.11394	.01812	.11351	.01108	.00098	.12884	.21450	.00563	.01128	.01100	.01534	.11092
#2	.01049	.11467	.01685	.11404	.01092	.00106	.12850	.22358	.00544	.01147	.01141	.01490	.11512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5134**	**.01281**	**.21138**	**.01094**	**.02140**	**1.2631**	**.04582**	**3.1643**	**.01105**	**.04597**	**.00932**	**.01603**	**.51537**
Stddev	.0158	.00028	.00056	.00002	.00009	.0095	.00030	.0089	.00023	.00333	.00148	.00114	.00998
%RSD	.45015	2.1485	.26424	.15781	.41198	.75640	.64750	.27978	2.0545	7.2499	15.853	7.1235	1.9365
#1	3.5022	.01300	.21177	.01095	.02146	1.2698	.04561	3.1580	.01121	.04833	.01036	.01523	.52243
#2	3.5246	.01261	.21098	.01093	.02134	1.2563	.04603	3.1706	.01089	.04361	.00827	.01684	.50832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1029**	**.11291**	**.01064**	**.01385**	**.01011**	**.01672**	F **.11028**	**.00982**	F **.02611**	**.01812**
Stddev	.0214	.00017	.00025	.00051	.00020	.00021	.01439	.00025	.00037	.00089
%RSD	1.9365	.14686	2.3398	3.6951	2.0131	1.2854	13.045	2.5468	1.4054	4.9147
#1	1.1180	.11303	.01046	.01422	.00996	.01657	.10011	.00999	.02637	.01874
#2	1.0878	.11279	.01082	.01349	.01025	.01687	.12046	.00964	.02585	.01749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6854.2**	**100610.**	**5494.9**
Stddev	27.4	13.	92.2
%RSD	.39973	.01277	1.6787
#1	6873.6	100600.	5560.2
#2	6834.9	100620.	5429.7

Sample Name: 280-48914-g-2-b Acquired: 11/16/2013 2:16:42 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00707**	**.00174**	**.62930**	**.00943**	**-.00007**	**-.00254**	**59.805**	**.00043**	**-.00065**
Stddev	.00017	.00044	.00022	.00012	.00010	.00000	.00123	.739	.00005	.00006
%RSD	38.587	6.2798	12.766	.01854	1.0424	6.5194	48.474	1.2359	11.155	9.5880
#1	-.00032	.00675	.00158	.62921	.00950	-.00007	-.00341	59.282	.00039	-.00069
#2	-.00056	.00738	.00190	.62938	.00936	-.00007	-.00167	60.327	.00046	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00374**	**.01417**	**1.5054**	**.16381**	**9.9876**	**.00104**	**.00497**	W **599.28**	**.00040**
Stddev	.00003	.00033	.00318	.0124	.00299	.0042	.00002	.00038	8.88	.00015
%RSD	9.3786	8.9470	22.420	.82720	1.8271	.04188	2.3697	7.6203	1.4816	37.339
#1	.00030	.00397	.01642	1.5142	.16169	9.9906	.00106	.00470	593.00	.00029
#2	.00034	.00350	.01192	1.4966	.16593	9.9847	.00102	.00524	605.55	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03472**	**-.00075**	F **247.97**	**.00149**	**.00849**	**3.5197**	**7.5321**	**-.00005**	W **5.4758**	**.00060**
Stddev	.00090	.00000	.84	.00039	.00166	.0427	.0913	.00062	.0183	.00132
%RSD	2.5890	.35884	.34060	26.193	19.503	1.2120	1.2120	1149.2	.33394	220.24
#1	.03536	-.00075	247.37	.00122	.00732	3.4895	7.4675	-.00049	5.4629	-.00033
#2	.03408	-.00075	248.57	.00177	.00967	3.5498	7.5966	.00039	5.4888	.00153
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00047**	**.03991**	**.00690**	**.03017**	**.00278**
Stddev	.00003	.00011	.02242	.00026	.00010	.00219
%RSD	31.050	22.804	56.174	3.7980	.31832	78.924
#1	-.00007	.00040	.05576	.00709	.03024	.00432
#2	-.00011	.00055	.02406	.00672	.03010	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6365.4**	**90158.**	**5507.6**
Stddev	2.5	233.	52.4
%RSD	.03994	.25844	.95226
#1	6363.6	89993.	5544.7
#2	6367.2	90323.	5470.5

Sample Name: 280-48914-g-3-b Acquired: 11/16/2013 2:19:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.04654**	**-.00065**	**.69208**	**.01363**	**-.00007**	**-.00095**	**73.979**	**.00051**	**-.00070**
Stddev	.00022	.00004	.00420	.00226	.00010	.00001	.00208	.147	.00017	.00007
%RSD	532.46	.07830	647.94	.32710	.75631	11.672	219.31	.19914	33.027	9.7036
#1	.00012	.04656	.00232	.69368	.01370	-.00007	.00052	74.084	.00039	-.00065
#2	-.00020	.04651	-.00362	.69048	.01356	-.00006	-.00242	73.875	.00063	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.00315**	**.02380**	**1.5028**	**.18999**	**12.156**	**.00140**	**.01795**	W **636.80**	**.00039**
Stddev	.00010	.00029	.00154	.0077	.00267	.008	.00003	.00025	.55	.00028
%RSD	13.433	9.3618	6.4586	.51084	1.4046	.06585	2.1042	1.3853	.08630	71.141
#1	.00084	.00336	.02489	1.4974	.18810	12.162	.00138	.01812	637.19	.00019
#2	.00070	.00294	.02272	1.5083	.19188	12.151	.00142	.01777	636.41	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03070**	**-.00004**	F **293.13**	**-.00086**	**.02340**	**4.4478**	**9.5183**	**-.00007**	W **5.0882**	**-.00115**
Stddev	.00188	.00129	1.46	.00182	.00182	.0175	.0374	.00064	.0080	.00062
%RSD	6.1357	3651.5	.49974	212.07	7.7861	.39266	.39266	910.21	.15727	54.317
#1	.03204	.00088	294.16	.00043	.02211	4.4354	9.4918	.00038	5.0939	-.00159
#2	.02937	-.00095	292.09	-.00214	.02469	4.4601	9.5447	-.00052	5.0826	-.00071
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00015**	**.07929**	**.01245**	**.01063**	**.00263**
Stddev	.00014	.00019	.00881	.00001	.00044	.00087
%RSD	105.93	125.27	11.113	.04363	4.1436	33.040
#1	.00023	-.00028	.07306	.01245	.01032	.00201
#2	.00003	-.00002	.08552	.01244	.01094	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6353.6**	**90307.**	**5594.2**
Stddev	15.7	35.	30.4
%RSD	.24686	.03829	.54397
#1	6364.7	90331.	5572.7
#2	6342.5	90282.	5615.7

Sample Name: 280-48914-g-4-b Acquired: 11/16/2013 2:21:38 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.04503**	**.00034**	**.68093**	**.01350**	**-.00006**	**-.00216**	**74.044**	**.00051**	**-.00066**
Stddev	.00036	.00013	.00092	.00595	.00002	.00003	.00042	1.175	.00003	.00002
%RSD	122.97	.29625	272.33	.87324	.13571	53.787	19.226	1.5864	6.7005	2.6884
#1	-.00054	.04512	-.00031	.67672	.01351	-.00003	-.00246	74.875	.00048	-.00067
#2	-.00004	.04493	.00099	.68513	.01348	-.00008	-.00187	73.214	.00053	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00239**	**.05162**	**1.5511**	**.18626**	**11.943**	**.00144**	**.01780**	W **639.05**	**.00036**
Stddev	.00005	.00038	.00143	.0122	.00013	.024	.00001	.00006	9.73	.00016
%RSD	6.6849	15.819	2.7669	.78778	.06936	.19973	1.0205	.33337	1.5233	43.820
#1	.00076	.00266	.05061	1.5424	.18617	11.960	.00143	.01784	645.94	.00048
#2	.00083	.00212	.05263	1.5597	.18635	11.927	.00145	.01776	632.17	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02867**	**-.00065**	F **288.39**	**-.00113**	**.02341**	**4.4276**	**9.4751**	**-.00009**	W **5.0573**	**.00002**
Stddev	.00070	.00015	.57	.00086	.00162	.0109	.0234	.00064	.0743	.00069
%RSD	2.4564	23.126	.19921	76.297	6.9233	.24666	.24666	698.15	1.4689	3811.0
#1	.02817	-.00055	287.98	-.00174	.02226	4.4353	9.4916	.00036	5.1098	-.00047
#2	.02917	-.00076	288.80	-.00052	.02456	4.4199	9.4586	-.00055	5.0048	.00051
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00054**	**.06130**	**.01214**	**.01066**	**.00365**
Stddev	.00018	.00000	.01229	.00045	.00015	.00093
%RSD	3208.8	.60286	20.045	3.7448	1.4111	25.486
#1	.00013	.00054	.05261	.01181	.01076	.00299
#2	-.00012	.00054	.06998	.01246	.01055	.00431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6383.2**	**91363.**	**5513.4**
Stddev	1.3	259.	65.2
%RSD	.02012	.28306	1.1827
#1	6382.3	91180.	5467.3
#2	6384.1	91546.	5559.5

Sample Name: 280-48914-g-5-b Acquired: 11/16/2013 2:24:05 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00731**	**-.00125**	**1.2663**	**.02510**	**.00004**	**-.00335**	**18.525**	**.00027**	**-.00067**
Stddev	.00009	.00008	.00034	.0035	.00019	.00004	.00115	.230	.00015	.00006
%RSD	139.19	1.0916	27.583	.27354	.74633	100.19	34.318	1.2438	54.622	8.8623
#1	-.00013	.00737	-.00101	1.2638	.02497	.00001	-.00254	18.362	.00016	-.00071
#2	.00000	.00725	-.00149	1.2687	.02524	.00006	-.00416	18.688	.00037	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00170**	**.01250**	**.57109**	**.12992**	**3.3920**	**.00019**	**.00634**	W **659.22**	**.00001**
Stddev	.00001	.00039	.00079	.01881	.00245	.0089	.00003	.00008	8.16	.00049
%RSD	1.0531	22.817	6.3042	3.2929	1.8859	.26270	17.009	1.2723	1.2384	4528.8
#1	.00112	.00197	.01306	.55780	.12818	3.3857	.00021	.00628	653.45	.00036
#2	.00110	.00142	.01194	.58439	.13165	3.3983	.00016	.00639	664.99	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02355**	**.00076**	**113.51**	**.00041**	**.01539**	**4.8586**	**10.397**	**.00006**	**.59785**	**-.00071**
Stddev	.00013	.00081	.20	.00262	.00141	.0055	.012	.00023	.00555	.00003
%RSD	.54062	106.65	.17578	637.78	9.1411	.11255	.11255	365.69	.92789	3.9136
#1	.02346	.00019	113.37	.00226	.01440	4.8547	10.389	-.00010	.59393	-.00069
#2	.02364	.00133	113.65	-.00144	.01639	4.8624	10.406	.00023	.60177	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00078**	**.09530**	**.00177**	**.01271**	**.00430**
Stddev	.00033	.00022	.03483	.00006	.00008	.00028
%RSD	144.61	27.891	36.545	3.3472	.63840	6.5418
#1	-.00047	-.00062	.11993	.00173	.01277	.00450
#2	.00001	-.00093	.07068	.00181	.01265	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6338.1**	**90189.**	**5472.6**
Stddev	17.7	368.	94.6
%RSD	.28004	.40843	1.7291
#1	6325.5	90449.	5539.5
#2	6350.6	89928.	5405.7

Sample Name: 280-48914-g-6-b Acquired: 11/16/2013 2:26:31 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.02713**	**-.00134**	**.93998**	**.01792**	**.00006**	**-.00276**	**3.3266**	**.00019**	**-.00064**
Stddev	.00016	.00037	.00009	.00118	.00039	.00012	.00021	.0073	.00002	.00009
%RSD	32.628	1.3748	6.6637	.12571	2.1885	201.10	7.6530	.21867	12.620	14.343
#1	-.00060	.02687	-.00141	.93914	.01764	-.00003	-.00291	3.3317	.00021	-.00058
#2	-.00037	.02740	-.00128	.94081	.01820	.00015	-.00261	3.3214	.00017	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00281**	**.03715**	**.78228**	**.24507**	**.37595**	**.01309**	**.05828**	**496.87**	**.00127**
Stddev	.00007	.00013	.00294	.01143	.00212	.00180	.00014	.00021	1.38	.00028
%RSD	40.838	4.4761	7.9265	1.4608	.86660	.47832	1.0980	.36874	.27781	22.026
#1	.00012	.00289	.03923	.77420	.24657	.37468	.01320	.05813	495.89	.00146
#2	.00021	.00272	.03507	.79036	.24357	.37722	.01299	.05843	497.85	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01730**	**.00075**	**118.54**	**-.00303**	**.00018**	**3.8919**	**8.3286**	**.00064**	**.49570**	**-.00002**
Stddev	.00040	.00068	.04	.00173	.00097	.0381	.0814	.00024	.00083	.00121
%RSD	2.3015	89.539	.03572	57.197	523.65	.97788	.97788	38.163	.16818	7388.9
#1	.01702	.00028	118.51	-.00180	-.00050	3.8650	8.2711	.00081	.49511	-.00087
#2	.01758	.00123	118.57	-.00426	.00087	3.9188	8.3862	.00047	.49629	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00033**	**.03995**	**-.00007**	**.00470**	**.00303**
Stddev	.00010	.00019	.07291	.00040	.00028	.00016
%RSD	107.22	57.961	182.50	557.64	6.0176	5.2211
#1	-.00002	.00047	-.01160	-.00035	.00450	.00314
#2	-.00017	.00020	.09150	.00021	.00490	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6425.0**	**92752.**	**5570.4**
Stddev	16.1	545.	22.0
%RSD	.25015	.58753	.39520
#1	6413.6	92367.	5585.9
#2	6436.4	93138.	5554.8

Sample Name: 280-48914-g-7-b Acquired: 11/16/2013 2:28:58 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.00299**	**-.00208**	**.53046**	**.01228**	**-.00003**	**-.00200**	**110.46**	**.00055**	**-.00073**
Stddev	.00016	.00006	.00054	.00264	.00023	.00010	.00188	1.27	.00009	.00000
%RSD	22.027	2.0349	26.132	.49796	1.8694	335.56	94.179	1.1535	16.849	.44257
#1	-.00082	.00295	-.00246	.53233	.01244	.00004	-.00067	111.37	.00048	-.00074
#2	-.00060	.00304	-.00169	.52859	.01211	-.00010	-.00333	109.56	.00062	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.01165**	**.00531**	**.43190**	**.11468**	**18.418**	**.01298**	**.00413**	W **638.03**	**.00019**
Stddev	.00002	.00045	.00079	.02106	.00070	.031	.00005	.00033	6.41	.00009
%RSD	5.3109	3.8304	14.861	4.8753	.60822	.16587	.39797	7.9004	1.0052	44.368
#1	.00044	.01197	.00587	.44679	.11419	18.440	.01302	.00390	642.56	.00013
#2	.00041	.01133	.00475	.41701	.11517	18.397	.01294	.00436	633.49	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04614**	**-.00052**	F **297.27**	**-.00019**	**.00866**	**4.2831**	**9.1658**	**.00057**	**4.8497**	**.00096**
Stddev	.00172	.00019	1.14	.00045	.00207	.0431	.0922	.00002	.0379	.00168
%RSD	3.7182	35.518	.38477	242.00	23.922	1.0060	1.0060	3.8910	.78199	174.63
#1	.04493	-.00066	298.08	.00013	.01013	4.3136	9.2310	.00059	4.8765	-.00023
#2	.04736	-.00039	296.46	-.00050	.00720	4.2526	9.1006	.00056	4.8229	.00216
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**-.00046**	**.03699**	**.01345**	**.00547**	**.00325**
Stddev	.00007	.00064	.02818	.00006	.00034	.00021
%RSD	10.166	139.29	76.196	.47834	6.1339	6.4967
#1	-.00075	-.00091	.05692	.01350	.00571	.00310
#2	-.00065	-.00001	.01706	.01341	.00523	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6277.3**	**89764.**	**5445.3**
Stddev	4.3	276.	51.5
%RSD	.06823	.30792	.94591
#1	6274.3	89568.	5408.9
#2	6280.3	89959.	5481.8

Sample Name: 280-48914-g-8-b Acquired: 11/16/2013 2:31:24 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.22456**	**-.00290**	**1.5782**	**.01768**	**-.00005**	**-.00456**	**3.4513**	**.00009**	**-.00059**
Stddev	.00061	.00025	.00069	.0178	.00023	.00004	.00009	.0019	.00026	.00011
%RSD	260.18	.11027	23.845	1.1282	1.3007	70.445	2.0130	.05351	283.51	18.973
#1	.00020	.22473	-.00241	1.5656	.01752	-.00008	-.00450	3.4500	.00027	-.00067
#2	-.00066	.22438	-.00339	1.5908	.01784	-.00003	-.00463	3.4526	-.00009	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00147**	**.07409**	**1.0713**	**.24247**	**.49818**	**.01008**	**.01328**	**492.61**	**.00080**
Stddev	.00006	.00046	.00490	.0137	.00057	.00019	.00008	.00030	1.90	.00002
%RSD	14.688	31.164	6.6171	1.2802	.23486	.03725	.74843	2.2735	.38491	2.1929
#1	.00038	.00115	.07063	1.0616	.24287	.49831	.01013	.01307	491.27	.00079
#2	.00047	.00179	.07756	1.0810	.24207	.49805	.01002	.01349	493.96	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03245**	**.00083**	**169.98**	**-.00113**	**-.00016**	**11.543**	**24.701**	**.00052**	**1.1125**	**-.00098**
Stddev	.00101	.00105	.22	.00097	.00135	.041	.088	.00031	.0036	.00019
%RSD	3.1077	127.13	.12848	85.578	853.58	.35637	.35637	60.184	.32760	19.562
#1	.03316	.00157	169.83	-.00045	-.00112	11.514	24.639	.00030	1.1100	-.00085
#2	.03173	.00008	170.14	-.00182	.00080	11.572	24.763	.00074	1.1151	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**-.00081**	**.04115**	**.00003**	**.06903**	**.00331**
Stddev	.00001	.00076	.00356	.00060	.00039	.00048
%RSD	.31838	93.685	8.6536	2105.0	.56066	14.507
#1	.00452	-.00134	.04367	-.00040	.06875	.00365
#2	.00450	-.00027	.03863	.00046	.06930	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6462.4**	**92143.**	**5510.5**
Stddev	12.4	164.	41.4
%RSD	.19146	.17784	.75219
#1	6471.2	92259.	5539.8
#2	6453.7	92027.	5481.1

Sample Name: 280-48914-g-9-b Acquired: 11/16/2013 2:33:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 1999981 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00667**	**-.00022**	**1.7402**	**.01024**	**-.00002**	**-.00274**	**19.067**	**.00008**	**-.00078**
Stddev	.00030	.00007	.00127	.0174	.00017	.00004	.00090	.062	.00001	.00008
%RSD	56.302	.97779	564.77	.99968	1.6529	202.34	32.727	.32416	19.099	9.7001
#1	-.00032	.00672	.00067	1.7279	.01012	.00001	-.00338	19.023	.00009	-.00073
#2	-.00075	.00663	-.00112	1.7525	.01036	-.00005	-.00211	19.111	.00007	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00167**	**.01214**	**1.4314**	**.42250**	**1.8628**	**.06092**	**.01309**	W **875.00**	**.00030**
Stddev	.00001	.00008	.00080	.0561	.00010	.0368	.00114	.00024	3.72	.00010
%RSD	17.898	5.0716	6.6214	3.9226	.02406	1.9750	1.8732	1.8146	.42545	34.071
#1	.00006	.00173	.01157	1.3917	.42242	1.8888	.06172	.01293	872.37	.00022
#2	.00004	.00161	.01270	1.4711	.42257	1.8368	.06011	.01326	877.63	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01165**	**-.00011**	F **345.45**	**-.00254**	**.00186**	**3.8283**	**8.1925**	**-.00055**	W **6.0502**	**-.00027**
Stddev	.00193	.00073	.68	.00018	.00024	.0187	.0399	.00003	.0177	.00104
%RSD	16.583	663.43	.19589	7.0745	13.122	.48766	.48766	4.7216	.29267	390.42
#1	.01028	.00041	345.93	-.00267	.00169	3.8415	8.2208	-.00057	6.0627	.00047
#2	.01301	-.00062	344.97	-.00241	.00204	3.8151	8.1643	-.00053	6.0376	-.00101
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00016**	**.02203**	**.00023**	**.00567**	**.00186**
Stddev	.00033	.00027	.01780	.00003	.00005	.00183
%RSD	70.197	165.41	80.795	14.728	.92829	98.415
#1	-.00024	.00003	.00944	.00025	.00570	.00056
#2	-.00071	-.00035	.03461	.00020	.00563	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6222.6**	**89412.**	**5373.6**
Stddev	11.6	1402.	21.7
%RSD	.18587	1.5682	.40374
#1	6230.8	88421.	5389.0
#2	6214.5	90403.	5358.3

Sample Name: CCVH-2382126 Acquired: 11/16/2013 2:36:23 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00781**	**51.924**	**-.00190**	**.00789**	**.00072**	**-.00010**	W **1.0849**	**-.00179**	**.00032**	**-.00063**	**.00013**	**.01938**
Stddev	.00039	.099	.00407	.00052	.00022	.00001	.0014	.00090	.00005	.00003	.00023	.00007
%RSD	4.9443	.19034	213.85	6.5366	31.070	12.931	.12437	50.113	17.431	4.4841	180.67	.35199
#1	-.00754	51.994	-.00478	.00826	.00088	-.00009	1.0858	-.00116	.00035	-.00065	.00029	.01943
#2	-.00809	51.854	.00097	.00753	.00056	-.00010	1.0839	-.00243	.00028	-.00061	-.00004	.01933
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.827**	**.08989**	**.00025**	**.08664**	**.00107**	**-.00002**	F **286.74**	**-.00077**	**.00201**	**.00234**	W **5.2978**	**-.00241**
Stddev	.209	.05237	.00077	.00205	.00001	.00041	.18	.00049	.00249	.00151	.0260	.00184
%RSD	.42025	58.260	304.02	2.3623	.63577	2289.1	.06204	63.461	123.69	64.495	.49088	76.137
#1	49.679	.12692	.00080	.08809	.00106	-.00031	286.87	-.00112	.00025	.00127	5.3162	-.00371
#2	49.975	.05286	-.00029	.08520	.00107	.00027	286.61	-.00043	.00378	.00340	5.2795	-.00111
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00618**	**.00015**	**.00031**	**.00044**	**.00050**	**4.8514**	**.01684**	**.00169**	W **9.0902**	**.00340**	**.00223**	**-.08011**
Stddev	.00275	.02303	.04928	.00069	.00002	.0105	.00023	.00042	.0312	.00064	.00039	.00225
%RSD	44.407	15654.	15654.	154.90	4.4957	.21679	1.3418	24.869	.34306	18.781	17.510	2.8147
#1	-.00812	.01643	.03516	-.00004	.00051	4.8440	.01700	.00139	9.0681	.00385	.00195	-.07851
#2	-.00424	-.01614	-.03453	.00093	.00048	4.8588	.01668	.00199	9.1122	.00295	.00250	-.08170
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6622.1**	**93982.**	**5398.4**
Stddev	24.3	397.	39.2
%RSD	.36703	.42255	.72630
#1	6639.3	94262.	5370.7
#2	6604.9	93701.	5426.1

Sample Name: CCV-2372889 Acquired: 11/16/2013 2:38:49 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50846**	**.53250**	**1.0639**	**.54199**	**.52569**	**.50472**	**-.00949**	**5.1420**	**.51905**	**.52585**	**.53486**	**.51811**	**2.5093**
Stddev	.00004	.00015	.0049	.00125	.00121	.00201	.00015	.0052	.00022	.00095	.00225	.00110	.0085
%RSD	.00753	.02782	.46195	.22980	.23029	.39737	1.6235	.10187	.04193	.18148	.41974	.21155	.33985
#1	.50848	.53240	1.0604	.54111	.52654	.50614	-.00938	5.1457	.51890	.52518	.53327	.51733	2.5153
#2	.50843	.53261	1.0673	.54288	.52483	.50330	-.00960	5.1383	.51920	.52653	.53644	.51888	2.5033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.242**	**1.0753**	**19.628**	**.51167**	**.53243**	F **5.6409**	**.54128**	**1.0536**	**1.0965**	**.06690**	**1.0620**	**1.0767**	**5.0285**
Stddev	.044	.0011	.029	.00077	.00410	.0431	.00123	.0056	.0064	.00145	.0101	.0090	.0000
%RSD	.07909	.10531	.14730	.15050	.76976	.76401	.22784	.53228	.58354	2.1631	.95621	.83949	.00065
#1	56.273	1.0761	19.649	.51112	.53533	5.6713	.54040	1.0576	1.1010	.06792	1.0692	1.0830	5.0285
#2	56.211	1.0745	19.608	.51221	.52953	5.6104	.54215	1.0496	1.0920	.06588	1.0548	1.0703	5.0285
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.761**	**1.0624**	**.51126**	**.00615**	**.48970**	**1.0612**	**.01812**	**.50419**	**.48864**	**.50453**
Stddev	.000	.0073	.00108	.00210	.00046	.0069	.02999	.00302	.00008	.00163
%RSD	.00065	.68806	.21142	34.195	.09423	.64926	165.54	.59926	.01537	.32265
#1	10.761	1.0676	.51202	.00467	.48937	1.0660	.03933	.50206	.48859	.50568
#2	10.761	1.0572	.51049	.00764	.49002	1.0563	-.00309	.50633	.48870	.50338
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6616.5**	**95470.**	**5287.8**
Stddev	7.4	182.	52.3
%RSD	.11194	.19030	.98945
#1	6611.3	95341.	5250.8
#2	6621.8	95598.	5324.8

Sample Name: CCB Acquired: 11/16/2013 2:40:59 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00014**	**-.00084**	W **.00580**	**.00012**	**.00003**	**-.00096**	**.00489**	**.00029**	**-.00025**	**-.00001**	**-.00076**
Stddev	.00055	.00019	.00347	.00058	.00016	.00001	.00080	.00206	.00002	.00002	.00009	.00014
%RSD	11521.	142.64	414.91	10.036	138.79	30.426	83.285	42.169	6.8702	6.1142	1321.5	18.269
#1	.00039	.00027	.00162	.00621	.00023	.00003	-.00152	.00343	.00027	-.00026	-.00007	-.00066
#2	-.00038	.00000	-.00329	.00539	.00000	.00002	-.00039	.00634	.00030	-.00024	.00006	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00412**	**.00411**	W **.00358**	**-.00142**	**.00000**	**.00226**	F **.24560**	**-.00010**	**-.00018**	**.00053**	**.06176**	**.00232**
Stddev	.00108	.00055	.00121	.00059	.00003	.00077	.03010	.00006	.00081	.00128	.00114	.00271
%RSD	26.246	13.341	33.910	41.902	4892.8	34.131	12.257	63.613	446.01	241.66	1.8409	116.85
#1	.00489	.00449	.00272	-.00100	.00002	.00172	.26689	-.00014	.00039	-.00038	.06256	.00040
#2	.00336	.00372	.00444	-.00184	-.00002	.00281	.22432	-.00005	-.00075	.00144	.06095	.00424
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.18320					
Low Limit			-.00261				-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**.00377**	**.00807**	**.00022**	**.00005**	**.00109**	**-.00027**	**.00026**	**-.02386**	**-.00005**	**.00316**	**.00097**
Stddev	.00320	.00310	.00662	.00062	.00007	.00135	.00026	.00015	.00241	.00017	.00008	.00171
%RSD	74.567	82.103	82.103	286.34	149.08	124.14	95.802	58.636	10.081	330.26	2.4444	175.87
#1	.00203	.00158	.00338	.00066	.00009	.00205	-.00046	.00015	-.02216	.00007	.00310	-.00024
#2	.00656	.00596	.01275	-.00022	.00000	.00013	-.00009	.00037	-.02556	-.00017	.00321	.00218
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6578.0**	**96780.**	**5200.9**
Stddev	10.8	288.	14.0
%RSD	.16358	.29752	.26916
#1	6585.6	96983.	5210.8
#2	6570.4	96576.	5191.0

Sample Name: CCVL-2383195 Acquired: 11/16/2013 2:43:19 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01025**	**.11643**	**.01499**	**.11183**	**.01115**	**.00098**	**.12394**	**.24120**	**.00553**	**.01104**	**.01116**	**.01609**	**.11884**
Stddev	.00022	.00032	.00100	.00089	.00016	.00006	.00014	.00109	.00006	.00009	.00014	.00019	.00107
%RSD	2.1787	.27820	6.7019	.79169	1.4396	6.1055	.10979	.44992	1.1133	.77412	1.2427	1.2076	.89800
#1	.01040	.11620	.01570	.11121	.01103	.00102	.12404	.24043	.00549	.01098	.01106	.01595	.11809
#2	.01009	.11666	.01428	.11246	.01126	.00093	.12384	.24197	.00557	.01110	.01125	.01623	.11959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5433**	**.01022**	**.21104**	**.01096**	**.02110**	F **1.3203**	**.04560**	**3.1088**	**.01061**	**.04916**	**.01127**	**.01605**	**.50922**
Stddev	.0324	.00009	.00374	.00006	.00004	.0041	.00044	.0178	.00151	.00172	.00079	.00208	.00163
%RSD	.91473	.85816	1.7741	.53493	.20133	.31253	.95399	.57274	14.229	3.5060	7.0524	12.932	.32096
#1	3.5662	.01028	.20839	.01091	.02107	1.3232	.04529	3.0963	.01167	.05038	.01071	.01751	.51037
#2	3.5204	.01016	.21369	.01100	.02113	1.3174	.04591	3.1214	.00954	.04794	.01183	.01458	.50806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0897**	**.11349**	**.01060**	**.01343**	**.00985**	**.01759**	F **.09073**	**.00941**	F **.02971**	**.01881**
Stddev	.0035	.00034	.00009	.00067	.00019	.00085	.02195	.00009	.00037	.00020
%RSD	.32096	.29954	.88452	4.9952	1.9567	4.8083	24.198	.90652	1.2500	1.0420
#1	1.0922	.11325	.01067	.01296	.00971	.01819	.07520	.00935	.02945	.01867
#2	1.0872	.11373	.01053	.01391	.00998	.01699	.10625	.00947	.02998	.01895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6805.2**	**99785.**	**5250.6**
Stddev	6.1	260.	25.2
%RSD	.08925	.26057	.48082
#1	6809.5	99601.	5232.8
#2	6800.9	99968.	5268.5

Sample Name: mb 280-200263/1-a Acquired: 11/16/2013 2:45:41 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00396**	**-.00103**	**.00350**	**.00071**	**.00008**	**-.00215**	**.00974**	**.00035**	**-.00004**
Stddev	.00015	.00008	.00188	.00052	.00008	.00007	.00041	.00191	.00005	.00014
%RSD	53.936	2.1306	182.32	14.876	10.911	84.329	19.080	19.662	13.196	350.88
#1	-.00017	.00402	-.00235	.00387	.00077	.00003	-.00245	.00838	.00038	.00006
#2	-.00037	.00390	.00030	.00313	.00066	.00013	-.00186	.01109	.00032	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00093**	**.01673**	**-.02475**	**.00071**	**.00053**	**.00016**	**.00023**	**.16511**	**.00006**
Stddev	.00005	.00008	.00114	.00583	.00007	.00195	.00003	.00010	.00642	.00015
%RSD	50.085	8.7160	6.8049	23.564	9.9197	365.79	16.292	43.243	3.8864	242.47
#1	.00013	-.00088	.01592	-.02887	.00066	.00191	.00018	.00016	.16057	.00017
#2	.00006	-.00099	.01753	-.02062	.00076	-.00085	.00014	.00030	.16965	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00423**	**.00137**	**.04501**	**-.00016**	**.00179**	**.01578**	**.03378**	**.00062**	**-.00005**	**.00050**
Stddev	.00229	.00011	.00044	.00015	.00182	.00617	.01321	.00060	.00013	.00054
%RSD	54.217	7.7874	.97436	98.606	102.03	39.092	39.092	96.390	271.78	106.64
#1	.00261	.00144	.04532	-.00027	.00050	.01142	.02444	.00104	-.00014	.00088
#2	.00585	.00129	.04470	-.00005	.00308	.02015	.04312	.00020	.00004	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00009**	**-.01941**	**-.00072**	**.00437**	**.00313**
Stddev	.00021	.00079	.01419	.00008	.00018	.00091
%RSD	80.667	931.10	73.109	10.975	4.1175	29.232
#1	-.00040	.00048	-.02945	-.00067	.00450	.00377
#2	-.00011	-.00065	-.00938	-.00078	.00424	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6745.6**	**99891.**	**5389.4**
Stddev	19.7	43.	37.0
%RSD	.29219	.04255	.68677
#1	6759.5	99921.	5415.5
#2	6731.7	99861.	5363.2

Sample Name: lcs 280-200263/2-a Acquired: 11/16/2013 2:48:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04837**	**1.9599**	**1.0763**	**1.0827**	**2.0691**	**.04927**	**2.2011**	**49.180**	**.10204**	**.49761**
Stddev	.00070	.0005	.0032	.0004	.0051	.00012	.0028	.058	.00022	.00019
%RSD	1.4476	.02541	.29555	.03779	.24743	.25245	.12821	.11828	.21071	.03791
#1	.04887	1.9595	1.0786	1.0830	2.0727	.04918	2.2031	49.221	.10189	.49775
#2	.04788	1.9602	1.0741	1.0824	2.0655	.04936	2.1991	49.139	.10219	.49748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21043**	**.25846**	**1.0227**	**56.569**	**1.0683**	**48.055**	**.49315**	**1.0419**	F **57.049**	**.51828**
Stddev	.00056	.00027	.0015	.239	.0033	.024	.00063	.0015	.519	.00027
%RSD	.26473	.10637	.14787	.42166	.31030	.05010	.12737	.14828	.90931	.05157
#1	.21082	.25826	1.0216	56.738	1.0706	48.038	.49271	1.0430	57.415	.51847
#2	.21003	.25865	1.0238	56.400	1.0660	48.072	.49359	1.0408	56.682	.51809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.531**	**.53281**	**.03740**	**.52478**	**2.1754**	**9.9373**	**21.266**	**2.0770**	**1.0048**	**.94787**
Stddev	.015	.00028	.00043	.00412	.0159	.0015	.003	.0021	.0019	.00024
%RSD	.14488	.05336	1.1472	.78513	.73047	.01559	.01559	.09918	.19362	.02556
#1	10.542	.53301	.03710	.52769	2.1867	9.9362	21.264	2.0755	1.0061	.94805
#2	10.521	.53261	.03770	.52187	2.1642	9.9384	21.268	2.0784	1.0034	.94770
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96536**	**2.0027**	F **2.3557**	**.49428**	**.47254**	**.47459**
Stddev	.00158	.0013	.0045	.00070	.00093	.00248
%RSD	.16394	.06347	.18977	.14191	.19713	.52292
#1	.96424	2.0018	2.3525	.49478	.47320	.47284
#2	.96648	2.0036	2.3589	.49378	.47188	.47635
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6487.3**	**94148.**	**5251.3**
Stddev	17.3	20.	17.4
%RSD	.26672	.02160	.33115
#1	6499.5	94163.	5239.0
#2	6475.1	94134.	5263.5

Sample Name: 280-49033-e-1-e Acquired: 11/16/2013 2:50:09 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00450**	**-.00068**	**1.5556**	**.02007**	**-.00004**	**-.00084**	**17.880**	**.00006**	**-.00058**
Stddev	.00042	.00027	.00214	.0165	.00021	.00003	.00055	.037	.00019	.00008
%RSD	132.57	5.9429	314.52	1.0608	1.0412	76.458	65.343	.20833	311.74	13.330
#1	-.00062	.00431	-.00219	1.5673	.01992	-.00006	-.00045	17.854	-.00007	-.00064
#2	-.00002	.00468	.00083	1.5440	.02022	-.00002	-.00123	17.907	.00020	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00282**	**.01679**	**.29511**	**.04643**	**5.4125**	**.09124**	**.02099**	W **677.73**	**.00180**
Stddev	.00001	.00032	.00260	.04097	.00096	.0110	.00005	.00076	.58	.00021
%RSD	5.3905	11.332	15.467	13.883	2.0653	.20234	.05836	3.6439	.08569	11.896
#1	.00020	.00259	.01495	.32408	.04575	5.4048	.09120	.02045	677.31	.00195
#2	.00019	.00304	.01862	.26614	.04711	5.4203	.09128	.02153	678.14	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04440**	**.00144**	**149.19**	**-.00123**	**.00715**	**4.2165**	**9.0234**	**.00051**	**.56710**	**.00005**
Stddev	.00090	.00067	1.42	.00236	.00301	.0188	.0402	.00063	.00038	.00104
%RSD	2.0335	46.728	.95362	191.45	42.091	.44523	.44523	122.45	.06622	1929.7
#1	.04376	.00096	150.20	.00044	.00502	4.2033	8.9950	.00095	.56684	-.00068
#2	.04504	.00192	148.19	-.00290	.00928	4.2298	9.0518	.00007	.56737	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00209**	**.09320**	**.00270**	**.00747**	**.00626**
Stddev	.00000	.00034	.00027	.00020	.00012	.00076
%RSD	18.738	16.162	.29099	7.3981	1.5711	12.094
#1	-.00002	.00185	.09339	.00284	.00756	.00572
#2	-.00002	.00233	.09301	.00256	.00739	.00679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6231.7**	**88131.**	**5192.4**
Stddev	42.4	100.	27.9
%RSD	.68115	.11367	.53683
#1	6201.7	88202.	5212.1
#2	6261.7	88060.	5172.7

Sample Name: 280-49033-e-1-eSD@5 Acquired: 11/16/2013 2:52:36 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00788**	**-.00099**	**.36670**	**.00474**	**.00002**	**.00165**	**4.0830**	**.00006**	**-.00029**
Stddev	.00016	.00013	.00098	.00010	.00069	.00015	.00170	.0104	.00005	.00001
%RSD	9392.9	1.6663	98.939	.02764	14.485	664.61	102.84	.25592	80.116	1.8807
#1	-.00011	.00797	-.00168	.36662	.00425	.00013	.00285	4.0904	.00010	-.00028
#2	.00011	.00779	-.00030	.36677	.00522	-.00008	.00045	4.0756	.00003	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00027**	**.01642**	**.05161**	**.01036**	**1.2691**	**.02092**	**.00457**	**153.20**	**.00049**
Stddev	.00000	.00016	.00139	.02552	.00043	.0106	.00016	.00030	1.23	.00006
%RSD	5.1179	58.632	8.4696	49.451	4.1897	.83115	.77498	6.4729	.80093	12.731
#1	.00007	.00016	.01740	.03357	.01067	1.2617	.02081	.00436	152.34	.00053
#2	.00008	.00039	.01543	.06966	.01005	1.2766	.02104	.00478	154.07	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.00008**	**32.839**	**-.00083**	**.00220**	**.93672**	**2.0046**	**.00220**	**.12961**	**-.00114**
Stddev	.00029	.00134	.098	.00187	.00145	.03640	.0779	.00005	.00012	.00175
%RSD	2.8809	1657.9	.29961	225.08	66.116	3.8856	3.8856	2.3996	.09596	153.09
#1	.00973	-.00087	32.769	-.00216	.00322	.96246	2.0597	.00224	.12970	-.00238
#2	.01014	.00103	32.909	.00049	.00117	.91098	1.9495	.00216	.12952	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00011**	**.01206**	**.00050**	**.00842**	**.00433**
Stddev	.00036	.00074	.02986	.00017	.00003	.00083
%RSD	152.06	662.79	247.61	34.072	.29777	19.120
#1	-.00048	-.00064	.03318	.00062	.00844	.00491
#2	.00002	.00041	-.00906	.00038	.00840	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6468.2**	**93163.**	**5211.4**
Stddev	4.1	139.	34.2
%RSD	.06400	.14907	.65646
#1	6471.2	93261.	5235.6
#2	6465.3	93065.	5187.2

Sample Name: 280-49033-e-1-f ms Acquired: 11/16/2013 2:54:58 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04748**	**1.7840**	**1.0380**	**2.4374**	**1.9763**	**.04714**	F **1.9922**	**63.775**	**.09593**	**.46077**
Stddev	.00050	.0006	.0010	.0068	.0001	.00006	.0111	.131	.00025	.00055
%RSD	1.0579	.03148	.09490	.27967	.00483	.12496	.55843	.20510	.25601	.12000
#1	.04712	1.7844	1.0373	2.4422	1.9762	.04710	2.0001	63.683	.09610	.46116
#2	.04783	1.7836	1.0387	2.4326	1.9763	.04718	1.9844	63.868	.09576	.46038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19312**	**.24853**	**.93007**	**56.383**	**1.0938**	**49.930**	**.55820**	**.98091**	W **715.36**	**.47964**
Stddev	.00012	.00007	.00018	.150	.0019	.128	.00070	.00408	.19	.00200
%RSD	.06020	.02644	.01934	.26587	.17569	.25584	.12491	.41636	.02673	.41791
#1	.19320	.24848	.93020	56.277	1.0925	50.020	.55869	.98380	715.49	.48106
#2	.19304	.24857	.92994	56.489	1.0952	49.840	.55771	.97803	715.22	.47822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.355**	**.47388**	**145.01**	**.48710**	**2.0586**	**13.682**	**29.279**	**1.9013**	**1.5055**	**.91829**
Stddev	.027	.00028	.64	.00402	.0133	.039	.083	.0005	.0019	.00261
%RSD	.26542	.05974	.44439	.82581	.64726	.28369	.28369	.02572	.12948	.28377
#1	10.375	.47408	145.47	.48995	2.0680	13.654	29.220	1.9017	1.5041	.92013
#2	10.336	.47368	144.56	.48426	2.0491	13.709	29.338	1.9010	1.5069	.91644
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93028**	**1.6805**	**2.2908**	**.48067**	**.47373**	**.45672**
Stddev	.00133	.0060	.0353	.00096	.00211	.00032
%RSD	.14278	.35760	1.5422	.19974	.44553	.06964
#1	.93122	1.6848	2.3158	.48135	.47523	.45695
#2	.92934	1.6763	2.2659	.48000	.47224	.45650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6297.5**	**88232.**	**5199.6**
Stddev	18.6	237.	14.4
%RSD	.29517	.26848	.27625
#1	6310.7	88065.	5209.7
#2	6284.4	88400.	5189.4

Sample Name: 280-49033-e-1-g msd Acquired: 11/16/2013 2:57:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04927**	**1.9017**	W **2.4932**	**1.1143**	**2.6575**	**2.4374**	**.05825**	F **2.1193**	**78.620**	**.10273**
Stddev	.00056	.0038	.4312	.0024	.0076	.4663	.01068	.0107	15.154	.00006
%RSD	1.1295	.19898	17.296	.21641	.28572	19.130	18.341	.50377	19.275	.05364
#1	.04887	1.9043	2.7981	1.1160	2.6629	2.7671	.06581	2.1268	89.335	.10269
#2	.04966	1.8990	2.1883	1.1126	2.6522	2.1077	.05070	2.1117	67.905	.10277
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49456**	**.20683**	**.26510**	**1.1564**	**69.566**	**1.3468**	**52.626**	**.59462**	**1.0744**	W **896.03**
Stddev	.00047	.00068	.00039	.2318	13.363	.2580	.128	.00059	.0028	171.34
%RSD	.09580	.32985	.14796	20.045	19.209	19.154	.24402	.09873	.25995	19.122
#1	.49422	.20731	.26537	1.3204	79.016	1.5292	52.536	.59420	1.0764	1017.2
#2	.49489	.20635	.26482	.99252	60.117	1.1644	52.717	.59503	1.0724	774.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51273**	W **11.160**	**.50299**	**158.57**	**.52561**	**2.2068**	**17.080**	**36.550**	W **2.0481**	**1.8699**
Stddev	.00057	.019	.00049	.30	.00155	.0096	3.455	7.395	.0075	.3598
%RSD	.11106	.16726	.09667	.19003	.29395	.43451	20.231	20.231	.36454	19.243
#1	.51313	11.173	.50333	158.78	.52670	2.2135	19.523	41.779	2.0534	2.1243
#2	.51232	11.147	.50264	158.36	.52452	2.2000	14.636	31.321	2.0428	1.6155
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96645**	**.99499**	**1.7830**	**2.4087**	**.51050**	**.49440**	**.57640**
Stddev	.00891	.00127	.0033	.0640	.00076	.00202	.11344
%RSD	.92225	.12777	.18604	2.6561	.14964	.40846	19.681
#1	.96015	.99409	1.7807	2.4539	.51104	.49297	.65661
#2	.97275	.99589	1.7854	2.3635	.50996	.49583	.49618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6255.3**	**89023.**	**4744.9**
Stddev	3.5	151.	855.4
%RSD	.05651	.16981	18.028
#1	6252.8	89130.	4140.0
#2	6257.8	88916.	5349.8

Sample Name: 280-49033-e-1-ePDS Acquired: 11/16/2013 2:59:23 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04545**	**1.0443**	**.23996**	**1.7114**	**.13322**	**.05393**	**-.00427**	**39.597**	**.05613**	**.05304**
Stddev	.00035	.0002	.00056	.0027	.00053	.00044	.00034	.250	.00023	.00005
%RSD	.77177	.01761	.23175	.15587	.39985	.82303	8.0437	.63041	.41535	.09469
#1	.04520	1.0442	.24035	1.7133	.13284	.05362	-.00402	39.421	.05597	.05300
#2	.04570	1.0444	.23957	1.7095	.13360	.05425	-.00451	39.774	.05630	.05307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05551**	**.05936**	**1.0620**	**25.920**	**.16744**	**25.402**	**.14796**	**.07451**	W **731.78**	**.05685**
Stddev	.00013	.00035	.0069	.094	.00226	.015	.00046	.00072	2.55	.00018
%RSD	.23308	.59272	.64657	.36401	1.3479	.05860	.31354	.96770	.34848	.31984
#1	.05541	.05911	1.0572	25.853	.16585	25.392	.14829	.07400	729.98	.05672
#2	.05560	.05961	1.0669	25.986	.16904	25.413	.14763	.07502	733.59	.05698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4420**	**.10954**	**155.94**	**.10552**	**.23757**	**9.4417**	**20.205**	**.10425**	**.64541**	**.20444**
Stddev	.0001	.00071	.03	.00245	.00225	.0401	.086	.00019	.00117	.00046
%RSD	.00357	.64875	.01643	2.3209	.94777	.42468	.42468	.17909	.18052	.22723
#1	2.4419	.10904	155.92	.10725	.23598	9.4134	20.145	.10438	.64459	.20477
#2	2.4421	.11005	155.96	.10379	.23916	9.4701	20.266	.10412	.64624	.20412
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05066**	**.19528**	**.70184**	**.05725**	**.22599**	**.04994**
Stddev	.00072	.00143	.00247	.00007	.00221	.00127
%RSD	1.4301	.73484	.35239	.12725	.97789	2.5422
#1	.05015	.19629	.70359	.05719	.22755	.05084
#2	.05117	.19426	.70009	.05730	.22443	.04905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6292.4**	**88775.**	**5297.7**
Stddev	5.2	76.	62.9
%RSD	.08337	.08548	1.1869
#1	6288.7	88721.	5342.2
#2	6296.1	88828.	5253.2

Sample Name: CCVH-2382126 Acquired: 11/16/2013 3:01:42 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00740**	**51.104**	**.00245**	**.00961**	**.00010**	**-.00002**	W **1.0793**	**.01035**	**.00054**	**-.00041**	**.00018**	**.01959**
Stddev	.00013	.319	.00109	.00083	.00012	.00009	.0054	.00068	.00016	.00008	.00000	.00016
%RSD	1.7535	.62352	44.684	8.6248	128.36	429.06	.50395	6.5645	29.381	20.572	1.5456	.83882
#1	-.00750	51.329	.00322	.01020	.00018	.00004	1.0831	.01083	.00043	-.00035	.00017	.01971
#2	-.00731	50.878	.00167	.00903	.00001	-.00009	1.0754	.00987	.00066	-.00047	.00018	.01948
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.020**	**.14928**	**.00101**	**.08719**	**.00108**	**.00129**	F **284.54**	**-.00056**	**.00444**	**.00110**	W **5.2620**	**-.00107**
Stddev	.079	.01591	.00118	.00182	.00001	.00038	1.97	.00005	.00092	.00006	.0305	.00244
%RSD	.16036	10.655	116.88	2.0877	.82723	29.190	.69118	8.4427	20.743	5.6737	.57906	227.18
#1	49.075	.13803	.00185	.08848	.00108	.00102	285.93	-.00052	.00379	.00106	5.2836	.00065
#2	48.964	.16053	.00018	.08590	.00107	.00156	283.15	-.00059	.00509	.00115	5.2405	-.00280
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00380**	**-.00199**	**-.00427**	**.00104**	**.00038**	**4.8367**	**.01705**	**.00094**	W **9.1044**	**.00339**	**.00308**	**-.08085**
Stddev	.00013	.00949	.02031	.00018	.00002	.0224	.00006	.00078	.0276	.00022	.00054	.00067
%RSD	3.3743	476.02	476.02	17.576	4.7218	.46291	.36756	83.293	.30337	6.6115	17.427	.82538
#1	-.00389	-.00870	-.01863	.00091	.00037	4.8526	.01700	.00039	9.0848	.00323	.00346	-.08132
#2	-.00371	.00472	.01009	.00117	.00040	4.8209	.01709	.00150	9.1239	.00355	.00270	-.08038
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6715.2**	**95285.**	**5449.1**
Stddev	11.2	98.	84.4
%RSD	.16604	.10299	1.5492
#1	6723.1	95216.	5389.4
#2	6707.3	95355.	5508.8

Sample Name: CCV-2372889 Acquired: 11/16/2013 3:04:04 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50843**	**.53465**	**1.0781**	F **.55268**	**.53638**	**.51414**	**-.01011**	**5.1792**	**.52110**	**.52826**	**.53723**	**.52235**	**2.5350**
Stddev	.00095	.00165	.0016	.00291	.00123	.00112	.00398	.0010	.00023	.00051	.00114	.00029	.0063
%RSD	.18692	.30777	.14992	.52668	.22961	.21687	39.411	.01845	.04439	.09637	.21191	.05470	.24994
#1	.50776	.53582	1.0793	.55473	.53551	.51493	-.00729	5.1786	.52126	.52862	.53803	.52215	2.5395
#2	.50910	.53349	1.0770	.55062	.53725	.51336	-.01292	5.1799	.52093	.52790	.53642	.52255	2.5305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000									
Range				10.490%									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.246**	**1.0965**	**19.638**	**.51367**	**.53820**	F **5.8243**	**.54594**	**1.0617**	F **1.1074**	**.05694**	**1.0754**	**1.0901**	**5.0262**
Stddev	.061	.0004	.009	.00002	.00086	.0258	.00327	.0030	.0027	.00219	.0009	.0006	.0030
%RSD	.10714	.03856	.04341	.00481	.15925	.44246	.59867	.28489	.24435	3.8545	.08409	.05979	.06029
#1	57.290	1.0962	19.632	.51369	.53881	5.8425	.54363	1.0638	1.1055	.05539	1.0761	1.0906	5.0241
#2	57.203	1.0968	19.644	.51365	.53760	5.8061	.54825	1.0595	1.1094	.05849	1.0748	1.0897	5.0283
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000			1.0000				
Range	10.490%					10.490%			10.490%				

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.756**	**1.0720**	**.52217**	**.00556**	**.49207**	**1.0671**	**.01366**	**.50725**	**.49228**	**.50867**
Stddev	.006	.0019	.00075	.00071	.00107	.0026	.00496	.00274	.00445	.00328
%RSD	.06029	.17856	.14414	12.796	.21835	.24413	36.330	.53976	.90331	.64441
#1	10.751	1.0706	.52164	.00505	.49131	1.0689	.01717	.50531	.48914	.51098
#2	10.761	1.0733	.52270	.00606	.49283	1.0652	.01015	.50918	.49543	.50635
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6662.0**	**96383.**	**5348.0**
Stddev	16.6	156.	33.6
%RSD	.24954	.16136	.62745
#1	6650.3	96493.	5324.2
#2	6673.8	96273.	5371.7

Sample Name: CCB Acquired: 11/16/2013 3:06:13 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00084**	**-.00040**	W **.00691**	**.00037**	**.00005**	**-.00225**	**.00172**	**.00018**	**.00001**	**.00003**	**-.00119**
Stddev	.00003	.00002	.00025	.00018	.00010	.00012	.00031	.00199	.00007	.00022	.00008	.00068
%RSD	415.40	2.2465	61.848	2.5514	26.234	273.06	13.614	115.38	38.373	1518.9	290.94	56.855
#1	.00001	.00083	-.00022	.00704	.00030	.00013	-.00203	.00313	.00013	.00017	-.00003	-.00167
#2	-.00003	.00085	-.00057	.00679	.00044	-.00004	-.00247	.00032	.00024	-.00014	.00008	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**-.00665**	**.00055**	**.00294**	**.00003**	**.00256**	F **.24222**	**.00015**	**.00093**	**.00058**	**.05244**	**.00261**
Stddev	.00049	.05116	.00080	.00091	.00006	.00069	.00060	.00008	.00154	.00043	.00026	.00124
%RSD	10.929	769.64	145.01	30.806	189.53	26.773	.24940	52.686	165.08	74.538	.50405	47.347
#1	.00415	.02953	-.00001	.00358	.00007	.00208	.24264	.00009	-.00016	.00088	.05263	.00349
#2	.00485	-.04282	.00112	.00230	-.00001	.00305	.24179	.00021	.00202	.00027	.05225	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00716**	**.01533**	**.00028**	**.00006**	**-.00012**	**.00009**	**-.00042**	**.00942**	**-.00040**	**.00362**	**.00193**
Stddev	.00010	.01615	.03456	.00010	.00002	.00116	.00015	.00063	.04229	.00020	.00018	.00032
%RSD	15.602	225.43	225.43	35.927	36.405	949.07	171.54	152.33	449.18	50.696	4.9254	16.762
#1	.00059	-.00426	-.00911	.00021	.00007	.00070	-.00002	.00003	-.02049	-.00055	.00375	.00170
#2	.00073	.01858	.03977	.00036	.00004	-.00094	.00019	-.00087	.03932	-.00026	.00350	.00216
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6708.2**	**98569.**	**5375.6**
Stddev	4.7	442.	9.5
%RSD	.07010	.44803	.17696
#1	6704.9	98257.	5368.8
#2	6711.5	98882.	5382.3

Sample Name: CCVL-2383195 Acquired: 11/16/2013 3:08:34 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01058**	**.11262**	**.01436**	**.11393**	**.01142**	**.00108**	**.12174**	**.23063**	**.00556**	**.01072**	**.01111**	**.01486**	**.11334**
Stddev	.00006	.00058	.00347	.00013	.00025	.00014	.00048	.01247	.00004	.00025	.00007	.00005	.00498
%RSD	.60108	.51465	24.163	.11327	2.2312	13.104	.39052	5.4049	.73276	2.3053	.65674	.31034	4.3925
#1	.01053	.11221	.01682	.11402	.01160	.00118	.12207	.23945	.00553	.01090	.01116	.01482	.11686
#2	.01062	.11303	.01191	.11383	.01124	.00098	.12140	.22182	.00559	.01055	.01106	.01489	.10982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5182**	**.01240**	**.20556**	**.01060**	**.02196**	F **1.4868**	**.04495**	**3.1062**	**.01091**	**.04654**	**.01052**	**.01626**	**.50913**
Stddev	.0159	.00117	.00076	.00008	.00001	.1975	.00063	.0111	.00032	.00204	.00027	.00089	.00795
%RSD	.45330	9.4547	.36863	.76520	.06035	13.286	1.4002	.35596	2.8926	4.3898	2.6129	5.4655	1.5614
#1	3.5294	.01157	.20610	.01066	.02197	1.6265	.04451	3.0984	.01113	.04799	.01033	.01688	.50351
#2	3.5069	.01323	.20503	.01054	.02195	1.3471	.04540	3.1140	.01068	.04510	.01072	.01563	.51475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0895**	**.11167**	**.01083**	**.01578**	**.00980**	**.01745**	F **.09301**	**.01003**	**.02389**	F **.01960**
Stddev	.0170	.00072	.00030	.00074	.00037	.00036	.02150	.00047	.00037	.00135
%RSD	1.5614	.64322	2.8054	4.6989	3.7451	2.0849	23.117	4.6760	1.5374	6.9053
#1	1.0775	.11116	.01105	.01630	.01006	.01720	.10821	.01036	.02415	.01864
#2	1.1016	.11217	.01062	.01525	.00954	.01771	.07781	.00970	.02363	.02056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6722.0**	**98874.**	**5330.4**
Stddev	20.0	177.	32.3
%RSD	.29795	.17859	.60566
#1	6707.9	98750.	5307.5
#2	6736.2	98999.	5353.2

Sample Name: 280-49033-e-2-c Acquired: 11/16/2013 3:10:57 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00928**	**-.00169**	**1.6339**	**.03375**	**-.00007**	**-.00186**	**30.699**	**.00034**	**-.00058**
Stddev	.00032	.00024	.00170	.0137	.00022	.00003	.00072	.023	.00006	.00005
%RSD	440.55	2.5418	100.56	.83855	.66159	48.336	38.869	.07375	18.921	8.9106
#1	.00030	.00944	-.00290	1.6436	.03359	-.00005	-.00135	30.715	.00038	-.00054
#2	-.00015	.00911	-.00049	1.6242	.03391	-.00009	-.00237	30.683	.00029	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00220**	**.01997**	**.46355**	**.03147**	**7.3260**	**.13253**	**.01520**	W **994.30**	**.00117**
Stddev	.00004	.00021	.00014	.03829	.00185	.0080	.00002	.00001	.97	.00007
%RSD	17.655	9.6333	.68172	8.2596	5.8870	.10906	.01222	.09136	.09722	5.9901
#1	.00018	.00205	.02006	.43647	.03016	7.3204	.13252	.01519	994.99	.00122
#2	.00023	.00235	.01987	.49062	.03278	7.3317	.13255	.01521	993.62	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05918**	**.00046**	**168.55**	**-.00033**	**.00015**	**3.8739**	**8.2902**	**.00048**	**.83442**	**-.00067**
Stddev	.00099	.00110	.02	.00095	.00227	.0129	.0276	.00076	.00013	.00094
%RSD	1.6807	237.63	.01350	283.36	1542.0	.33287	.33287	160.23	.01585	140.96
#1	.05847	.00124	168.57	.00033	-.00146	3.8830	8.3097	-.00006	.83433	-.00133
#2	.05988	-.00031	168.54	-.00100	.00175	3.8648	8.2707	.00101	.83452	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00042**	**.08958**	**.00141**	**.00629**	**.00192**
Stddev	.00003	.00043	.05203	.00004	.00048	.00072
%RSD	6.8318	103.67	58.083	2.6550	7.6651	37.424
#1	-.00043	-.00072	.12637	.00139	.00663	.00243
#2	-.00039	-.00011	.05279	.00144	.00595	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6217.6**	**88429.**	**5376.8**
Stddev	39.8	32.	37.0
%RSD	.63985	.03620	.68827
#1	6245.7	88452.	5403.0
#2	6189.5	88407.	5350.7

Sample Name: 280-49033-e-3-c Acquired: 11/16/2013 3:13:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.93128**	**.00181**	**.98998**	**.13991**	**-.00001**	**-.00451**	**11.006**	**.00026**	**.00075**
Stddev	.00024	.00157	.00054	.00340	.00079	.00000	.00096	.052	.00008	.00039
%RSD	192.71	.16906	29.731	.34387	.56186	19.935	21.169	.47488	32.344	52.387
#1	-.00005	.93016	.00143	.98758	.14047	-.00001	-.00384	11.043	.00032	.00047
#2	.00029	.93239	.00218	.99239	.13935	-.00001	-.00519	10.969	.00020	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00138**	**.00251**	**.52026**	**1.9782**	**.07999**	**4.5273**	**.10020**	**.01517**	W **562.96**	**.00561**
Stddev	.00000	.00034	.00132	.0065	.00093	.0114	.00006	.00006	2.26	.00019
%RSD	.12103	13.655	.25413	.32937	1.1601	.25103	.05623	.36302	.40067	3.3272
#1	.00138	.00275	.51932	1.9828	.07934	4.5193	.10024	.01513	564.56	.00574
#2	.00138	.00227	.52119	1.9736	.08065	4.5354	.10016	.01521	561.37	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10911**	**.00146**	**7.0713**	**-.00032**	**.00024**	**7.4246**	**15.889**	**.00003**	**.52211**	**.00059**
Stddev	.00144	.00022	.0226	.00018	.00226	.0209	.045	.00079	.00242	.00008
%RSD	1.3161	14.970	.31929	57.345	922.58	.28106	.28106	2630.6	.46340	13.847
#1	.10810	.00131	7.0554	-.00045	-.00135	7.4393	15.920	-.00053	.52382	.00065
#2	.11013	.00162	7.0873	-.00019	.00184	7.4098	15.857	.00059	.52040	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00739**	**-.00004**	**.01457**	**.00873**	**.00704**	**.00368**
Stddev	.00028	.00051	.00986	.00056	.00014	.00109
%RSD	3.7348	1279.1	67.702	6.4128	1.9611	29.609
#1	.00758	-.00040	.00760	.00913	.00714	.00445
#2	.00719	.00032	.02155	.00834	.00695	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6432.1**	**91360.**	**5351.2**
Stddev	4.2	255.	1.7
%RSD	.06576	.27858	.03237
#1	6429.1	91540.	5352.5
#2	6435.1	91180.	5350.0

Sample Name: 280-49033-e-4-c Acquired: 11/16/2013 3:15:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.05080**	**.00111**	**.92931**	**.12443**	**-.00007**	**-.00189**	**9.9653**	**.00008**	**.00060**
Stddev	.00004	.00034	.00184	.00143	.00022	.00001	.00048	.0043	.00002	.00002
%RSD	8.8616	.67326	164.95	.15387	.17488	15.505	25.321	.04367	24.540	2.7295
#1	-.00039	.05056	-.00019	.92830	.12458	-.00006	-.00155	9.9684	.00007	.00061
#2	-.00045	.05104	.00241	.93032	.12427	-.00007	-.00223	9.9622	.00010	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00197**	**.03986**	**1.6073**	**.07344**	**4.0482**	**.08709**	**.01406**	W **524.26**	**.00495**
Stddev	.00010	.00039	.00069	.0458	.00001	.0250	.00041	.00013	.63	.00018
%RSD	31.058	19.557	1.7399	2.8503	.01007	.61858	.47253	.90377	.12038	3.6441
#1	.00025	.00225	.03937	1.5749	.07343	4.0659	.08738	.01415	524.70	.00507
#2	.00040	.00170	.04035	1.6397	.07344	4.0305	.08680	.01397	523.81	.00482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09407**	**.00005**	**6.5983**	**-.00100**	**.00038**	**5.0766**	**10.864**	**.00013**	**.48443**	**.00026**
Stddev	.00011	.00122	.0139	.00051	.00260	.0194	.042	.00012	.00056	.00141
%RSD	.12006	2478.0	.21112	51.333	689.10	.38245	.38245	87.936	.11567	542.04
#1	.09399	.00091	6.5884	-.00064	.00222	5.0903	10.893	.00005	.48404	.00125
#2	.09415	-.00081	6.6081	-.00137	-.00146	5.0629	10.835	.00022	.48483	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00103**	**.02483**	**.00729**	**.00706**	**.00295**
Stddev	.00001	.00028	.01490	.00034	.00038	.00001
%RSD	1.7028	27.206	60.015	4.7097	5.4278	.46898
#1	.00039	.00123	.01429	.00753	.00733	.00296
#2	.00038	.00083	.03537	.00705	.00679	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6421.9**	**92212.**	**5419.7**
Stddev	30.3	83.	38.2
%RSD	.47242	.09021	.70482
#1	6443.3	92153.	5446.7
#2	6400.4	92270.	5392.7

Sample Name: 280-49033-e-5-c Acquired: 11/16/2013 3:18:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.01388**	**.00185**	**2.6220**	**.01510**	**-.00002**	**-.00049**	**36.990**	**.00037**	**-.00044**
Stddev	.00049	.00018	.00195	.0026	.00004	.00007	.00019	.268	.00013	.00009
%RSD	132.07	1.2657	105.35	.09926	.24043	304.93	38.967	.72561	34.422	19.381
#1	-.00072	.01376	.00323	2.6238	.01512	-.00007	-.00035	37.180	.00047	-.00038
#2	-.00002	.01400	.00047	2.6202	.01507	.00002	-.00062	36.800	.00028	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00239**	**.01642**	**.52080**	**.05400**	**20.624**	**.15988**	**.13575**	W **820.93**	**.00126**
Stddev	.00004	.00020	.00068	.04346	.00092	.036	.00036	.00115	5.35	.00004
%RSD	16.189	8.2698	4.1515	8.3443	1.7093	.17566	.22710	.84588	.65178	2.8215
#1	.00028	.00253	.01593	.49007	.05335	20.650	.16013	.13656	824.71	.00129
#2	.00022	.00225	.01690	.55153	.05465	20.599	.15962	.13494	817.15	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03954**	**.00176**	F **302.94**	**-.00314**	**-.00023**	**3.7498**	**8.0247**	**.00028**	**1.8986**	**-.00070**
Stddev	.00053	.00001	.27	.00212	.00002	.0144	.0307	.00089	.0121	.00069
%RSD	1.3417	.59397	.08770	67.454	7.7271	.38274	.38274	315.35	.63467	98.202
#1	.03991	.00177	303.13	-.00463	-.00024	3.7397	8.0029	.00091	1.9071	-.00021
#2	.03916	.00175	302.75	-.00164	-.00021	3.7600	8.0464	-.00035	1.8900	-.00119
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00114**	**.27507**	**.00196**	**.00687**	**.00423**
Stddev	.00030	.00124	.00172	.00019	.00000	.00176
%RSD	231.83	109.07	.62460	9.5048	.05319	41.530
#1	.00008	.00026	.27629	.00183	.00687	.00299
#2	-.00034	.00202	.27386	.00210	.00687	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6332.3**	**89305.**	**5442.8**
Stddev	24.2	74.	27.7
%RSD	.38259	.08288	.50970
#1	6315.1	89252.	5423.2
#2	6349.4	89357.	5462.4

Sample Name: 280-49033-e-6-c Acquired: 11/16/2013 3:20:46 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01132**	**-.00032**	**3.2066**	**.00978**	**-.00007**	**.00245**	**203.44**	**.00103**	**-.00036**
Stddev	.00011	.00092	.00069	.0085	.00001	.00006	.00011	1.67	.00001	.00001
%RSD	27.502	8.1119	217.84	.26431	.07497	91.043	4.6803	.81885	1.4107	2.1157
#1	-.00046	.01197	-.00081	3.2126	.00977	-.00011	.00237	202.26	.00104	-.00035
#2	-.00031	.01068	.00017	3.2006	.00979	-.00002	.00253	204.62	.00102	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00395**	**.02983**	**3.5408**	**.27639**	**58.934**	**.22845**	**.01194**	W **4323.2**	**.00170**
Stddev	.00002	.00043	.00071	.3320	.00416	.216	.00083	.00005	41.0	.00007
%RSD	24.622	10.957	2.3823	9.3766	1.5062	.36636	.36448	.38889	.94882	4.1067
#1	.00008	.00426	.03033	3.3060	.27344	59.087	.22904	.01191	4294.2	.00175
#2	.00012	.00365	.02932	3.7755	.27933	58.781	.22786	.01197	4352.2	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03142**	**-.00057**	F **1637.6**	**-.00063**	**.03989**	**4.2605**	**9.1174**	**-.00070**	W **9.6085**	**-.00167**
Stddev	.00221	.00079	11.3	.00031	.00467	.0028	.0060	.00041	.0665	.00195
%RSD	7.0379	138.16	.68849	48.681	11.697	.06616	.06616	58.225	.69224	117.13
#1	.03298	-.00001	1629.6	-.00041	.04319	4.2585	9.1131	-.00041	9.6555	-.00305
#2	.02986	-.00113	1645.6	-.00084	.03659	4.2625	9.1216	-.00098	9.5614	-.00029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.00038**	**.26435**	**.00118**	**.00961**	**.00568**
Stddev	.00001	.00024	.02084	.00003	.00001	.00028
%RSD	.78734	63.485	7.8827	2.7909	.09091	4.9647
#1	-.00080	.00055	.27908	.00121	.00961	.00588
#2	-.00079	.00021	.24962	.00116	.00962	.00548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5637.9**	**78348.**	**5041.7**
Stddev	1.7	177.	33.3
%RSD	.03022	.22569	.66009
#1	5636.7	78223.	5065.2
#2	5639.1	78473.	5018.1

Sample Name: 280-49033-e-8-c Acquired: 11/16/2013 3:24:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00104**	**.00708**	**-.00226**	**3.5716**	**.01576**	**-.00007**	**.00196**	**370.95**	**.00128**	**.00094**
Stddev	.00041	.00024	.00018	.0045	.00006	.00000	.00111	3.68	.00000	.00013
%RSD	39.449	3.3890	8.0263	.12596	.40342	.92436	56.733	.99291	.12147	13.654
#1	-.00075	.00691	-.00239	3.5748	.01571	-.00007	.00274	373.55	.00128	.00085
#2	-.00133	.00725	-.00213	3.5684	.01580	-.00007	.00117	368.34	.00128	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00450**	**.00925**	**4.7902**	**.37651**	**79.470**	**1.8711**	**.00666**	W **4668.6**	**.00430**
Stddev	.00010	.00008	.00001	.3921	.00137	.264	.0026	.00018	7.4	.00016
%RSD	215.74	1.7682	.14058	8.1846	.36411	.33268	.14085	2.7222	.15762	3.7695
#1	-.00003	.00445	.00924	4.5130	.37554	79.283	1.8693	.00653	4673.8	.00442
#2	.00012	.00456	.00926	5.0675	.37748	79.657	1.8730	.00679	4663.4	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03061**	**-.00118**	F **1389.6**	**.00118**	**.13507**	**5.5133**	**11.798**	**-.00003**	W **13.328**	**-.00132**
Stddev	.00108	.00010	1.8	.00108	.00186	.0091	.020	.00013	.131	.00042
%RSD	3.5336	8.2112	.12830	91.649	1.3789	.16580	.16580	472.72	.98179	31.472
#1	.02985	-.00111	1388.4	.00194	.13639	5.5068	11.785	-.00012	13.420	-.00162
#2	.03138	-.00125	1390.9	.00041	.13375	5.5197	11.812	.00007	13.235	-.00103
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**.00132**	**.50937**	**.00129**	**.13158**	**.00423**
Stddev	.00027	.00018	.00535	.00017	.00120	.00113
%RSD	30.804	13.436	1.0497	13.495	.91193	26.646
#1	-.00067	.00119	.50559	.00142	.13074	.00343
#2	-.00105	.00144	.51316	.00117	.13243	.00503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5560.6**	**77488.**	**5018.4**
Stddev	9.1	422.	28.4
%RSD	.16284	.54398	.56576
#1	5554.2	77786.	4998.3
#2	5567.0	77190.	5038.5

Sample Name: CCVH-2382126 Acquired: 11/16/2013 3:27:22 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00788**	**50.667**	**.00153**	**.01260**	**.00092**	**-.00009**	**1.0332**	**.00261**	**.00046**	**-.00059**	**.00027**	**.01861**
Stddev	.00014	.079	.00172	.00065	.00008	.00004	.0004	.00281	.00024	.00014	.00006	.00008
%RSD	1.7602	.15506	112.46	5.1758	9.0762	42.709	.04402	107.55	50.655	24.422	23.844	.43686
#1	-.00778	50.611	.00275	.01306	.00086	-.00006	1.0329	.00063	.00063	-.00069	.00023	.01856
#2	-.00797	50.722	.00031	.01214	.00097	-.00011	1.0335	.00460	.00030	-.00049	.00032	.01867
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.021**	**.30959**	**.00242**	**.07935**	**.00099**	**.00013**	F **284.24**	**-.00064**	**.00235**	**.00188**	**5.1337**	**-.00250**
Stddev	.029	.07081	.00199	.00215	.00001	.00024	.29	.00016	.00093	.00063	.0289	.00357
%RSD	.06137	22.873	82.248	2.7068	.54222	188.09	.10127	25.403	39.606	33.504	.56281	142.81
#1	48.042	.35966	.00383	.07783	.00099	.00030	284.44	-.00076	.00301	.00233	5.1133	-.00503
#2	48.001	.25952	.00101	.08087	.00098	-.00004	284.04	-.00053	.00169	.00143	5.1542	.00002
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00261**	**-.01376**	**-.02944**	**.00056**	**.00043**	W **4.6495**	**.01618**	**.00175**	F **8.6734**	**.00307**	**.00216**	**-.07809**
Stddev	.00106	.01151	.02463	.00046	.00007	.0013	.00030	.00066	.0238	.00025	.00040	.00049
%RSD	40.574	83.675	83.675	83.113	15.732	.02823	1.8364	37.868	.27448	8.1201	18.390	.62122
#1	-.00336	-.00562	-.01202	.00088	.00038	4.6486	.01597	.00128	8.6565	.00324	.00244	-.07774
#2	-.00186	-.02189	-.04685	.00023	.00048	4.6505	.01639	.00222	8.6902	.00289	.00188	-.07843
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6690.6**	**95423.**	**5240.0**
Stddev	28.3	226.	10.9
%RSD	.42230	.23680	.20775
#1	6670.6	95583.	5247.7
#2	6710.6	95264.	5232.3

Sample Name: CCV-2372889 Acquired: 11/16/2013 3:29:43 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49656**	**.52291**	**1.0388**	**.53537**	**.52596**	**.50233**	**-.00990**	**5.0485**	**.50666**	**.51314**	**.52131**	**.50627**	**2.4473**
Stddev	.00035	.00189	.0012	.00404	.00262	.00269	.00077	.0239	.00134	.00033	.00066	.00223	.0128
%RSD	.07026	.36110	.11129	.75531	.49882	.53580	7.8219	.47426	.26368	.06442	.12651	.43984	.52129
#1	.49631	.52158	1.0380	.53252	.52781	.50423	-.01044	5.0654	.50571	.51337	.52084	.50470	2.4563
#2	.49680	.52425	1.0397	.53823	.52410	.50043	-.00935	5.0316	.50760	.51291	.52178	.50785	2.4382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.871**	**1.0832**	**19.250**	**.49992**	**.51848**	F **6.2397**	**.53080**	**1.0260**	**1.0726**	**.15053**	**1.0341**	**1.0527**	**4.8761**
Stddev	.338	.0056	.036	.00039	.00188	.0991	.00242	.0038	.0091	.01348	.0109	.0109	.0050
%RSD	.59386	.52018	.18744	.07794	.36222	1.5876	.45565	.37153	.85119	8.9543	1.0533	1.0307	.10303
#1	57.109	1.0871	19.276	.50019	.51715	6.3097	.52909	1.0233	1.0662	.14100	1.0264	1.0450	4.8796
#2	56.632	1.0792	19.225	.49964	.51981	6.1696	.53251	1.0287	1.0791	.16006	1.0418	1.0603	4.8725
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.435**	**1.0376**	**.51084**	**.00527**	**.47867**	**1.0376**	**.01874**	**.49285**	**.48263**	**.49465**
Stddev	.011	.0050	.00366	.00089	.00004	.0028	.00064	.00087	.00472	.00641
%RSD	.10303	.48241	.71738	16.816	.00779	.26701	3.3934	.17640	.97789	1.2949
#1	10.442	1.0341	.51343	.00464	.47865	1.0357	.01919	.49347	.48596	.49918
#2	10.427	1.0411	.50825	.00589	.47870	1.0396	.01829	.49224	.47929	.49012
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6636.1**	**95624.**	**5114.4**
Stddev	8.5	318.	53.3
%RSD	.12741	.33269	1.0428
#1	6630.2	95399.	5076.7
#2	6642.1	95849.	5152.1

Sample Name: CCB Acquired: 11/16/2013 3:31:52 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00044**	**.00118**	F **.00937**	**.00032**	**.00011**	**-.00328**	**.00397**	**.00013**	**-.00017**	**.00012**	**-.00115**
Stddev	.00019	.00016	.00130	.00076	.00005	.00010	.00020	.00049	.00006	.00017	.00001	.00034
%RSD	52.886	36.908	110.86	8.1609	15.612	94.937	6.1887	12.369	47.530	98.074	9.2496	29.889
#1	.00048	.00032	.00210	.00991	.00036	.00018	-.00342	.00362	.00017	-.00005	.00011	-.00139
#2	.00022	.00055	.00025	.00883	.00029	.00004	-.00314	.00432	.00009	-.00029	.00012	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.07265**	**.00144**	**.00054**	**-.00001**	**.00232**	F **.66431**	**.00003**	**.00068**	**.00025**	**.12736**	**.00082**
Stddev	.00274	.00092	.00021	.00112	.00003	.00054	.02128	.00009	.00173	.00075	.00374	.00273
%RSD	254.04	1.2706	14.348	208.37	319.80	23.389	3.2040	340.58	254.26	301.67	2.9385	331.28
#1	.00302	.07330	.00159	.00133	.00001	.00193	.67936	-.00004	.00191	-.00028	.13001	-.00111
#2	-.00086	.07199	.00130	-.00026	-.00003	.00270	.64926	.00009	-.00054	.00078	.12472	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00350**	**.00177**	**.00379**	**.00050**	**.00000**	**.00016**	**-.00012**	**-.00058**	**.00685**	**-.00015**	**.00297**	W **.00406**
Stddev	.00070	.00213	.00455	.00027	.00005	.00040	.00005	.00063	.01665	.00010	.00016	.00013
%RSD	20.044	120.06	120.06	54.903	1025.7	249.33	41.471	107.73	242.94	64.569	5.5483	3.1335
#1	.00400	.00027	.00057	.00030	-.00003	-.00012	-.00009	-.00102	.01862	-.00008	.00285	.00397
#2	.00301	.00328	.00701	.00069	.00004	.00045	-.00016	-.00014	-.00492	-.00021	.00309	.00415
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6667.0**	**97025.**	**5074.0**
Stddev	9.4	326.	34.0
%RSD	.14159	.33638	.67067
#1	6660.3	96794.	5049.9
#2	6673.7	97256.	5098.0

Sample Name: CCVL-2383195 Acquired: 11/16/2013 3:34:12 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.11149**	**.01453**	**.11480**	**.01105**	**.00106**	**.11832**	**.21438**	**.00528**	**.01082**	**.01100**	**.01467**	**.10817**
Stddev	.00030	.00026	.00019	.00040	.00004	.00000	.00148	.00229	.00007	.00010	.00005	.00004	.00037
%RSD	2.7991	.23626	1.3364	.34652	.31923	.03624	1.2509	1.0673	1.3203	.94394	.43720	.26472	.34156
#1	.01039	.11168	.01440	.11451	.01107	.00106	.11937	.21600	.00533	.01074	.01104	.01464	.10843
#2	.01081	.11131	.01467	.11508	.01102	.00106	.11727	.21276	.00523	.01089	.01097	.01470	.10791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5116**	**.01160**	**.20591**	**.01056**	**.02150**	F **1.6300**	**.04471**	**3.0732**	**.01136**	**.11304**	**.00994**	**.01736**	**.50815**
Stddev	.0054	.00296	.00082	.00009	.00017	.0019	.00023	.0017	.00133	.00321	.00106	.00381	.00355
%RSD	.15427	25.477	.39986	.86309	.79575	.11937	.50998	.05388	11.694	2.8437	10.709	21.934	.69877
#1	3.5155	.01369	.20532	.01050	.02162	1.6286	.04455	3.0720	.01042	.11531	.00919	.02005	.51066
#2	3.5078	.00951	.20649	.01063	.02138	1.6314	.04487	3.0744	.01230	.11077	.01069	.01467	.50564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0874**	**.11107**	**.01030**	**.01458**	**.00949**	**.01696**	**.06926**	**.00989**	**.02398**	**.01787**
Stddev	.0076	.00030	.00006	.00009	.00014	.00008	.00572	.00004	.00044	.00031
%RSD	.69877	.27002	.58193	.63430	1.4242	.45427	8.2644	.36841	1.8540	1.7270
#1	1.0928	.11128	.01034	.01451	.00939	.01691	.07330	.00992	.02367	.01765
#2	1.0821	.11085	.01026	.01464	.00958	.01702	.06521	.00987	.02430	.01809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6703.5**	**98084.**	**5147.3**
Stddev	8.1	25.	26.4
%RSD	.12147	.02529	.51279
#1	6697.7	98066.	5128.6
#2	6709.2	98101.	5166.0

Sample Name: 280-48981-h-1-e Acquired: 11/16/2013 3:36:33 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00562**	**-.00152**	**.63356**	**.26370**	**.00001**	**-.00325**	**30.328**	**.00031**	**-.00038**
Stddev	.00058	.00038	.00292	.00063	.00187	.00009	.00135	.146	.00011	.00007
%RSD	273.08	6.7464	191.83	.09938	.70799	869.50	41.417	.48110	34.980	18.372
#1	.00020	.00589	.00054	.63311	.26502	-.00005	-.00420	30.431	.00039	-.00042
#2	-.00062	.00535	-.00359	.63400	.26238	.00007	-.00230	30.225	.00024	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00056**	**1.5038**	**.90444**	**.01177**	**9.6092**	**.39011**	**.00255**	**278.74**	**.00067**
Stddev	.00024	.00029	.0018	.04224	.00025	.0244	.00063	.00004	.82	.00011
%RSD	76.470	51.740	.11990	4.6706	2.1116	.25368	.16134	1.4243	.29300	15.946
#1	.00014	.00076	1.5050	.93431	.01194	9.5919	.38967	.00253	279.32	.00059
#2	.00048	.00035	1.5025	.87457	.01159	9.6264	.39056	.00258	278.16	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78227**	**-.00026**	**1.3621**	**-.00087**	**-.00008**	**4.7752**	**10.219**	**.00063**	**.79056**	**-.00109**
Stddev	.00045	.00044	.0034	.00061	.00061	.0299	.064	.00002	.00136	.00075
%RSD	.05765	169.97	.25206	69.758	746.62	.62660	.62660	3.0094	.17228	68.736
#1	.78259	.00005	1.3645	-.00044	-.00052	4.7963	10.264	.00061	.79152	-.00162
#2	.78195	-.00058	1.3596	-.00130	.00035	4.7540	10.174	.00064	.78959	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00086**	**-.00436**	**-.00023**	**.00481**	**.00356**
Stddev	.00011	.00094	.02857	.00035	.00004	.00153
%RSD	76.938	109.45	655.52	148.34	.85322	43.004
#1	-.00022	.00019	.01584	.00001	.00484	.00464
#2	-.00007	.00152	-.02456	-.00048	.00478	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6493.2**	**92762.**	**5185.7**
Stddev	.2	422.	62.6
%RSD	.00275	.45514	1.2065
#1	6493.3	93060.	5141.4
#2	6493.1	92463.	5229.9

Sample Name: 280-48981-h-2-c Acquired: 11/16/2013 3:38:54 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01272**	**-.00041**	**.66990**	**.27381**	**.00001**	**-.00351**	**31.978**	**.00029**	**-.00025**
Stddev	.00007	.00020	.00130	.00372	.00147	.00002	.00289	.179	.00011	.00002
%RSD	43.502	1.5353	317.45	.55553	.53668	310.51	82.560	.55822	37.637	9.1703
#1	-.00011	.01259	-.00133	.66727	.27277	-.00001	-.00146	31.852	.00021	-.00027
#2	-.00021	.01286	.00051	.67254	.27485	.00002	-.00555	32.104	.00037	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00088**	**1.5496**	**.96986**	**.01103**	**10.004**	**.40328**	**.00271**	**291.62**	**.00091**
Stddev	.00008	.00012	.0110	.00585	.00127	.051	.00119	.00012	1.98	.00018
%RSD	28.080	14.258	.71116	.60358	11.490	.51459	.29469	4.5384	.67950	19.491
#1	.00024	.00079	1.5574	.96572	.01013	9.9675	.40244	.00280	290.22	.00078
#2	.00036	.00096	1.5418	.97400	.01192	10.040	.40412	.00262	293.02	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81733**	**.00065**	**1.6618**	**.00107**	**-.00041**	**5.0084**	**10.718**	**-.00028**	**.83978**	**.00036**
Stddev	.00795	.00045	.0189	.00047	.00125	.0089	.019	.00013	.00372	.00017
%RSD	.97327	69.150	1.1390	44.184	302.41	.17817	.17817	46.148	.44335	47.569
#1	.81171	.00033	1.6484	.00074	.00047	5.0147	10.731	-.00019	.83715	.00049
#2	.82296	.00097	1.6752	.00140	-.00129	5.0021	10.704	-.00038	.84241	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00026**	**.00012**	**.00033**	**.00483**	**.00381**
Stddev	.00000	.00019	.00412	.00015	.00024	.00179
%RSD	29.983	71.999	3467.9	46.292	4.9803	46.939
#1	.00001	-.00013	.00303	.00043	.00500	.00255
#2	.00002	-.00040	-.00279	.00022	.00466	.00507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6469.8**	**93513.**	**5221.1**
Stddev	31.1	334.	15.3
%RSD	.48009	.35703	.29250
#1	6491.8	93277.	5210.3
#2	6447.8	93749.	5231.9

Sample Name: 280-48981-h-3-c Acquired: 11/16/2013 3:41:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00621**	**-.00153**	**1.5183**	**.07489**	**.00003**	**-.00223**	**30.150**	**.00020**	**-.00084**
Stddev	.00037	.00009	.00248	.0023	.00006	.00005	.00148	.026	.00000	.00016
%RSD	64.550	1.5150	161.59	.15239	.08409	177.29	66.389	.08745	1.4613	18.993
#1	-.00031	.00615	-.00328	1.5166	.07485	.00006	-.00119	30.169	.00019	-.00095
#2	-.00083	.00628	.00022	1.5199	.07494	-.00001	-.00328	30.132	.00020	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00392**	**.00906**	**.83608**	**.09528**	**7.4208**	**.01621**	**.01332**	W **1058.4**	**.00414**
Stddev	.00007	.00019	.00307	.03958	.00713	.0506	.00004	.00018	.2	.00014
%RSD	27.231	4.9145	33.950	4.7344	7.4834	.68210	.22168	1.3244	.01559	3.2604
#1	.00021	.00379	.00688	.80809	.09024	7.3850	.01624	.01345	1058.6	.00405
#2	.00031	.00406	.01123	.86407	.10032	7.4566	.01619	.01320	1058.3	.00424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05102**	**.00021**	**179.64**	**-.00033**	**.00190**	**4.6563**	**9.9644**	**-.00039**	**.93002**	**.00022**
Stddev	.00001	.00086	.21	.00058	.00236	.0411	.0879	.00003	.00201	.00047
%RSD	.02682	404.08	.11786	176.38	124.16	.88218	.88218	6.5739	.21658	216.66
#1	.05101	-.00040	179.49	.00008	.00357	4.6853	10.027	-.00037	.92860	.00055
#2	.05103	.00082	179.79	-.00074	.00023	4.6272	9.9022	-.00041	.93145	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00003**	**.07256**	**.00394**	**.00589**	**.00349**
Stddev	.00027	.00048	.01884	.00000	.00015	.00179
%RSD	71.526	1475.6	25.959	.10087	2.4981	51.461
#1	-.00019	.00037	.08587	.00394	.00599	.00475
#2	-.00056	-.00030	.05924	.00394	.00578	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6159.8**	**87043.**	**5287.5**
Stddev	24.9	423.	71.1
%RSD	.40435	.48549	1.3448
#1	6177.4	87341.	5237.3
#2	6142.2	86744.	5337.8

Sample Name: 280-48981-h-4-c Acquired: 11/16/2013 3:44:20 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.01370**	**-.00179**	**.95847**	**.00978**	**-.00007**	**-.00085**	**13.398**	**.00008**	**-.00069**
Stddev	.00022	.00023	.00015	.00811	.00007	.00002	.00044	.132	.00006	.00017
%RSD	192.45	1.6697	8.5722	.84628	.70254	28.075	51.413	.98232	75.560	24.760
#1	.00004	.01354	-.00169	.95273	.00983	-.00006	-.00116	13.491	.00004	-.00057
#2	-.00027	.01386	-.00190	.96420	.00973	-.00009	-.00054	13.305	.00012	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00157**	**.01102**	**1.2366**	**.37317**	**1.7156**	**.04700**	**.00626**	W **735.72**	**.00040**
Stddev	.00006	.00007	.00003	.0442	.00006	.0008	.00013	.00014	7.63	.00005
%RSD	23.942	4.2685	.25664	3.5702	.01729	.04495	.27116	2.2236	1.0369	12.624
#1	.00023	.00152	.01100	1.2054	.37312	1.7150	.04691	.00616	741.12	.00036
#2	.00032	.00162	.01104	1.2678	.37321	1.7161	.04709	.00636	730.33	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01330**	**.00088**	F **323.43**	**-.00058**	**.00206**	**3.1455**	**6.7313**	**.00075**	**1.9918**	**-.00042**
Stddev	.00157	.00065	2.31	.00131	.00145	.0168	.0359	.00053	.0216	.00018
%RSD	11.787	73.760	.71515	226.51	70.472	.53327	.53327	70.384	1.0820	41.754
#1	.01219	.00042	321.79	.00035	.00103	3.1573	6.7567	.00038	2.0070	-.00030
#2	.01441	.00134	325.06	-.00150	.00308	3.1336	6.7060	.00112	1.9765	-.00054
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00046**	**.02766**	**.00250**	**.00845**	**.00433**
Stddev	.00027	.00076	.00325	.00029	.00015	.00182
%RSD	86.872	166.98	11.752	11.520	1.7888	42.091
#1	-.00050	.00100	.02996	.00229	.00834	.00304
#2	-.00012	-.00008	.02536	.00270	.00855	.00562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6349.4**	**91197.**	**5430.5**
Stddev	36.8	180.	55.7
%RSD	.58014	.19756	1.0266
#1	6375.4	91070.	5391.0
#2	6323.3	91324.	5469.9

Sample Name: 280-48981-h-5-c Acquired: 11/16/2013 3:46:49 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.01590**	**-.00196**	**2.1911**	**.01482**	**.00000**	**.00012**	**5.8383**	**.00026**	**-.00056**
Stddev	.00063	.00039	.00141	.0054	.00023	.00002	.00126	.0129	.00017	.00005
%RSD	1566.2	2.4819	72.058	.24626	1.5231	1259.9	1040.2	.22135	63.231	9.4108
#1	-.00048	.01618	-.00096	2.1950	.01466	-.00001	.00101	5.8474	.00015	-.00052
#2	.00040	.01562	-.00295	2.1873	.01498	.00001	-.00077	5.8291	.00038	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00157**	**.01321**	**1.2673**	**.28754**	**.62074**	**.04354**	**.03206**	W **604.03**	**.00069**
Stddev	.00000	.00002	.00131	.0482	.00300	.00196	.00014	.00029	.43	.00010
%RSD	1.2529	1.5721	9.8897	3.8020	1.0420	.31515	.33130	.90050	.07199	15.082
#1	.00009	.00156	.01229	1.2332	.28965	.61935	.04364	.03227	604.34	.00076
#2	.00010	.00159	.01414	1.3014	.28542	.62212	.04344	.03186	603.72	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03492**	**-.00001**	F **260.81**	**-.00108**	**-.00134**	**4.1055**	**8.7857**	**-.00004**	**.43911**	**-.00059**
Stddev	.00028	.00067	.37	.00194	.00278	.0176	.0376	.00001	.00049	.00072
%RSD	.81160	11413.	.14100	178.84	207.99	.42826	.42826	37.394	.11077	121.43
#1	.03512	.00047	261.07	-.00246	.00063	4.1179	8.8123	-.00003	.43946	-.00008
#2	.03472	-.00048	260.55	.00029	-.00330	4.0930	8.7591	-.00005	.43877	-.00110
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00016**	**.00923**	**.00095**	**.00616**	**.00243**
Stddev	.00008	.00000	.04991	.00012	.00043	.00098
%RSD	40.663	.67705	540.51	12.599	6.9702	40.603
#1	-.00024	.00016	-.02606	.00104	.00647	.00173
#2	-.00013	.00017	.04452	.00087	.00586	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6371.0**	**91285.**	**5293.8**
Stddev	25.9	97.	104.1
%RSD	.40583	.10597	1.9662
#1	6352.8	91353.	5220.2
#2	6389.3	91216.	5367.4

Sample Name: 280-48981-h-6-c Acquired: 11/16/2013 3:49:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.01553**	**-.00213**	**1.3020**	**.01008**	**.00001**	**-.00092**	**10.793**	**.00008**	**-.00075**
Stddev	.00022	.00009	.00143	.0045	.00031	.00004	.00222	.003	.00023	.00012
%RSD	40.120	.55441	67.237	.34774	3.0722	811.10	241.78	.02813	287.72	16.688
#1	-.00069	.01547	-.00314	1.2988	.00986	-.00002	.00065	10.795	.00025	-.00083
#2	-.00039	.01559	-.00112	1.3052	.01030	.00003	-.00249	10.791	-.00008	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00144**	**.01172**	**1.2320**	**.43475**	**1.0988**	**.03139**	**.00907**	W **833.60**	**.00047**
Stddev	.00001	.00002	.00083	.0071	.00024	.0064	.00002	.00023	.30	.00006
%RSD	7.1002	1.2339	7.0830	.57808	.05493	.58034	.06791	2.5545	.03620	13.653
#1	.00018	.00143	.01113	1.2269	.43458	1.0943	.03140	.00891	833.38	.00043
#2	.00020	.00145	.01230	1.2370	.43492	1.1033	.03137	.00923	833.81	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03694**	**-.00059**	F **347.62**	**-.00155**	**.00332**	**4.3232**	**9.2515**	**-.00009**	**1.3232**	**-.00127**
Stddev	.00012	.00018	.20	.00010	.00344	.0064	.0137	.00071	.0025	.00032
%RSD	.33398	30.924	.05834	6.2824	103.40	.14812	.14812	769.87	.19112	24.824
#1	.03702	-.00071	347.77	-.00162	.00089	4.3277	9.2612	-.00060	1.3214	-.00105
#2	.03685	-.00046	347.48	-.00148	.00575	4.3186	9.2419	.00041	1.3249	-.00149
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00022**	**.04779**	**.00199**	**.00684**	**.00387**
Stddev	.00006	.00042	.01805	.00011	.00003	.00082
%RSD	19.805	193.91	37.775	5.5080	.43159	21.228
#1	-.00027	-.00052	.06056	.00207	.00682	.00329
#2	-.00036	.00008	.03503	.00191	.00686	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6277.4**	**89831.**	**5305.7**
Stddev	38.9	227.	47.0
%RSD	.61972	.25260	.88545
#1	6304.9	89991.	5272.5
#2	6249.9	89670.	5338.9

Sample Name: 280-48981-h-8-c Acquired: 11/16/2013 3:51:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00851**	**-.00024**	**1.6621**	**.01453**	**-.00006**	**-.00122**	**33.022**	**.00025**	**-.00080**
Stddev	.00027	.00013	.00022	.0030	.00015	.00007	.00065	.154	.00020	.00004
%RSD	51.181	1.4998	91.857	.17990	1.0120	117.52	52.982	.46609	80.170	4.7714
#1	-.00071	.00860	-.00008	1.6599	.01463	-.00011	-.00168	33.131	.00011	-.00083
#2	-.00033	.00842	-.00039	1.6642	.01442	-.00001	-.00076	32.913	.00039	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00538**	**.00370**	**.61651**	**.10416**	**7.0910**	**.02163**	**.00541**	W **1028.7**	**.00076**
Stddev	.00015	.00042	.00104	.01974	.00098	.0214	.00004	.00010	4.3	.00003
%RSD	47.495	7.8777	27.990	3.2021	.94435	.30186	.17965	1.8546	.42267	3.8847
#1	.00021	.00568	.00297	.60255	.10347	7.0759	.02161	.00534	1031.8	.00074
#2	.00042	.00508	.00443	.63046	.10486	7.1062	.02166	.00548	1025.6	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04453**	**-.00019**	F **290.95**	**-.00334**	**.00322**	**4.7717**	**10.211**	**-.00016**	**.96647**	**-.00153**
Stddev	.00074	.00118	.74	.00120	.00088	.0077	.016	.00021	.00547	.00102
%RSD	1.6519	633.25	.25409	36.038	27.217	.16151	.16151	135.45	.56593	66.833
#1	.04401	.00065	290.42	-.00249	.00383	4.7771	10.223	-.00031	.97033	-.00081
#2	.04505	-.00102	291.47	-.00419	.00260	4.7662	10.200	-.00001	.96260	-.00225
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**-.00055**	**.14968**	**.00210**	**.00749**	**.00232**
Stddev	.00002	.00077	.04040	.00024	.00004	.00173
%RSD	4.5338	139.96	26.988	11.502	.51259	74.677
#1	-.00047	-.00110	.17825	.00228	.00751	.00355
#2	-.00050	-.00001	.12112	.00193	.00746	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6163.5**	**88298.**	**5335.4**
Stddev	37.2	91.	35.2
%RSD	.60315	.10330	.66037
#1	6189.8	88363.	5310.5
#2	6137.2	88234.	5360.3

Sample Name: 280-48981-h-9-c Acquired: 11/16/2013 3:54:46 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200263 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.01238**	**-.00191**	**1.3037**	**.02003**	**.00000**	**-.00095**	**31.258**	**.00035**	**-.00054**
Stddev	.00001	.00028	.00365	.0069	.00005	.0001	.00232	.394	.00008	.00013
%RSD	2.1876	2.2645	191.15	.53014	.23559	4739.1	243.50	1.2602	21.891	23.487
#1	-.00038	.01258	-.00449	1.2988	.02000	.00004	.00069	30.979	.00040	-.00045
#2	-.00037	.01218	.00067	1.3086	.02006	-.00004	-.00259	31.536	.00030	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00309**	**.00765**	**.90784**	**.11139**	**6.2241**	**.10212**	**.00429**	W **678.11**	**.00243**
Stddev	.00006	.00000	.00070	.04446	.00148	.0410	.00024	.00009	10.84	.00009
%RSD	33.665	.05165	9.0863	4.8977	1.3274	.65877	.23611	2.1298	1.5988	3.7568
#1	.00023	.00309	.00716	.87640	.11035	6.1952	.10195	.00435	670.44	.00250
#2	.00014	.00309	.00815	.93928	.11244	6.2531	.10229	.00422	685.77	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04641**	**.00012**	W **193.47**	**-.00296**	**.00126**	**4.8495**	**10.378**	**-.00039**	**.78500**	**-.00076**
Stddev	.00068	.00045	.04	.00113	.00058	.1010	.216	.00040	.01330	.00041
%RSD	1.4629	362.08	.02234	38.163	46.064	2.0817	2.0817	103.75	1.6946	53.960
#1	.04593	-.00019	193.44	-.00376	.00085	4.7781	10.225	-.00067	.77560	-.00047
#2	.04689	.00044	193.50	-.00216	.00167	4.9209	10.531	-.00010	.79441	-.00106
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00022**	**.14397**	**.00203**	**.00823**	**.00298**
Stddev	.00024	.00029	.00452	.00038	.00026	.00141
%RSD	1001.2	134.02	3.1376	18.922	3.1076	47.214
#1	.00015	.00001	.14078	.00230	.00841	.00198
#2	-.00020	.00043	.14717	.00176	.00805	.00397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6421.8**	**92933.**	**5460.0**
Stddev	17.6	373.	61.2
%RSD	.27477	.40188	1.1208
#1	6434.2	93197.	5503.3
#2	6409.3	92669.	5416.7

Sample Name: CCVH-2382126 Acquired: 11/16/2013 3:57:14 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00812**	**50.902**	**-.00114**	**.00884**	**.00044**	**-.00008**	W **1.0648**	**.00794**	**.00057**	**-.00064**	**.00033**	**.01814**
Stddev	.00060	.506	.00112	.00053	.00023	.00003	.0022	.00744	.00001	.00013	.00012	.00004
%RSD	7.4525	.99352	98.466	6.0455	53.052	40.873	.20533	93.781	2.0178	19.698	37.140	.21438
#1	-.00855	50.544	-.00035	.00922	.00028	-.00010	1.0664	.01320	.00057	-.00055	.00024	.01816
#2	-.00769	51.259	-.00194	.00846	.00061	-.00006	1.0633	.00267	.00058	-.00072	.00041	.01811
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.836**	**.11668**	**.00148**	**.07917**	**.00099**	**.00013**	F **288.67**	**-.00060**	**.00351**	**.00246**	**5.2153**	**-.00219**
Stddev	.407	.01285	.00041	.00082	.00007	.00002	2.04	.00012	.00084	.00008	.0217	.00147
%RSD	.85180	11.015	27.588	1.0368	7.5699	13.658	.70518	19.464	23.960	3.0754	.41539	67.123
#1	47.547	.10760	.00177	.07859	.00094	.00012	287.23	-.00068	.00411	.00252	5.2000	-.00115
#2	48.124	.12577	.00119	.07975	.00104	.00015	290.11	-.00051	.00292	.00241	5.2306	-.00322
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00583**	**-.00601**	**-.01287**	**.00061**	**.00065**	W **4.6486**	**.01714**	**.00210**	F **8.8138**	**.00269**	**.00230**	**-.07608**
Stddev	.00044	.00040	.00085	.00036	.00016	.0119	.00043	.00029	.0250	.00002	.00013	.00218
%RSD	7.6052	6.6181	6.6181	58.347	24.062	.25590	2.5064	13.987	.28412	.78163	5.6102	2.8701
#1	-.00551	-.00573	-.01226	.00087	.00076	4.6402	.01744	.00231	8.8315	.00267	.00239	-.07762
#2	-.00614	-.00629	-.01347	.00036	.00054	4.6570	.01683	.00189	8.7961	.00270	.00221	-.07453
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6822.0**	**98511.**	**5430.5**
Stddev	16.0	312.	31.3
%RSD	.23407	.31660	.57656
#1	6810.7	98731.	5452.7
#2	6833.3	98290.	5408.4

Sample Name: CCV-2372889 Acquired: 11/16/2013 3:59:37 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49605**	**.51811**	**1.0501**	**.54230**	**.52273**	**.49901**	**-.00905**	**4.9967**	**.50860**	**.51237**	**.52498**	**.50914**	**2.4347**
Stddev	.00283	.00072	.0007	.00339	.00262	.00306	.00148	.0099	.00014	.00011	.00069	.00006	.0114
%RSD	.56995	.13881	.06441	.62515	.50077	.61338	16.328	.19786	.02815	.02218	.13231	.01228	.46629
#1	.49805	.51862	1.0496	.53990	.52088	.49685	-.00801	4.9897	.50849	.51245	.52547	.50918	2.4267
#2	.49405	.51760	1.0506	.54470	.52458	.50117	-.01010	5.0037	.50870	.51229	.52449	.50909	2.4428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.530**	**1.0771**	**18.874**	**.49647**	**.52386**	F **5.8342**	**.53507**	**1.0436**	**1.0835**	**.09030**	**1.0601**	**1.0804**	**4.8135**
Stddev	.450	.0049	.035	.00049	.00026	.0148	.00061	.0010	.0022	.00351	.0028	.0020	.0104
%RSD	.79632	.45590	.18534	.09875	.05025	.25309	.11362	.09068	.20537	3.8889	.26777	.18551	.21598
#1	56.212	1.0736	18.898	.49613	.52367	5.8238	.53464	1.0430	1.0819	.09279	1.0581	1.0818	4.8209
#2	56.848	1.0806	18.849	.49682	.52405	5.8447	.53550	1.0443	1.0851	.08782	1.0621	1.0790	4.8062
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.301**	**1.0413**	**.50492**	**.00700**	**.47313**	**1.0445**	**.01817**	**.48838**	**.46938**	**.48892**
Stddev	.022	.0004	.00236	.00191	.00083	.0005	.04033	.00105	.00336	.00522
%RSD	.21598	.04106	.46723	27.332	.17531	.04583	222.01	.21576	.71589	1.0667
#1	10.317	1.0410	.50325	.00565	.47372	1.0442	.04668	.48764	.47175	.48524
#2	10.285	1.0416	.50659	.00836	.47254	1.0448	-.01035	.48913	.46700	.49261
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6839.2**	**100280.**	**5448.1**
Stddev	17.2	273.	51.1
%RSD	.25115	.27257	.93841
#1	6827.1	100090.	5484.3
#2	6851.4	100470.	5412.0

Sample Name: CCB Acquired: 11/16/2013 4:01:46 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00058**	**.00107**	W **.00653**	**.00009**	**.00004**	**-.00100**	**.00337**	**.00027**	**-.00006**	**-.00003**	**-.00122**
Stddev	.00012	.00001	.00084	.00016	.00034	.00014	.00032	.00147	.00009	.00006	.00011	.00012
%RSD	41.155	2.3267	78.379	2.3967	378.67	334.95	32.616	43.613	33.415	107.78	358.40	9.9530
#1	-.00038	.00057	.00048	.00642	.00033	.00014	-.00122	.00441	.00020	-.00010	.00005	-.00130
#2	-.00021	.00059	.00167	.00665	-.00015	-.00006	-.00077	.00233	.00033	-.00001	-.00010	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.02220**	**.00054**	**-.00076**	**.00007**	**.00201**	F **.39439**	**-.00031**	**.00045**	**.00025**	**.08249**	**.00083**
Stddev	.00264	.00047	.00235	.00006	.00005	.00037	.01051	.00019	.00094	.00064	.00024	.00134
%RSD	104.29	2.1262	433.32	7.2419	74.698	18.593	2.6653	61.370	207.20	260.52	.29437	160.25
#1	.00066	.02253	-.00112	-.00072	.00011	.00175	.38695	-.00017	-.00021	.00070	.08266	.00178
#2	.00440	.02186	.00220	-.00080	.00003	.00228	.40182	-.00044	.00112	-.00021	.08232	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00197**	**-.01618**	**-.03463**	**.00048**	**.00022**	**-.00043**	**.00020**	**-.00027**	**.01229**	**-.00048**	**.00336**	W **.00404**
Stddev	.00202	.02233	.04779	.00029	.00003	.00080	.00039	.00049	.00407	.00015	.00028	.00008
%RSD	102.58	138.01	138.01	60.397	12.689	184.70	190.23	177.84	33.079	32.520	8.3919	1.9032
#1	.00054	-.03197	-.06842	.00069	.00020	-.00100	-.00007	.00007	.00941	-.00059	.00316	.00398
#2	.00340	-.00039	-.00084	.00028	.00024	.00013	.00048	-.00062	.01516	-.00037	.00356	.00409
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6899.4**	**103110.**	**5424.1**
Stddev	3.1	246.	7.5
%RSD	.04491	.23875	.13770
#1	6901.6	102940.	5429.4
#2	6897.2	103290.	5418.9

Sample Name: CCVL-2383195 Acquired: 11/16/2013 4:04:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.10863**	**.01589**	**.11275**	**.01063**	**.00093**	**.12030**	**.20854**	**.00566**	**.01084**	**.01107**	**.01447**	**.10258**
Stddev	.00028	.00078	.00058	.00036	.00014	.00005	.00166	.00035	.00001	.00019	.00011	.00034	.00296
%RSD	2.7907	.71406	3.6665	.32146	1.3452	5.6094	1.3769	.16848	.11043	1.7167	.94820	2.3629	2.8846
#1	.01034	.10809	.01630	.11250	.01073	.00090	.12147	.20878	.00566	.01070	.01115	.01471	.10049
#2	.00994	.10918	.01548	.11301	.01053	.00097	.11913	.20829	.00566	.01097	.01100	.01423	.10467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4562**	F **.01347**	**.19606**	**.01023**	**.02106**	F **1.3929**	**.04388**	**3.0539**	**.01115**	**.07616**	**.01180**	**.01639**	**.49546**
Stddev	.0565	.00058	.00166	.00002	.00019	.0022	.00032	.0012	.00040	.00187	.00054	.00084	.02163
%RSD	1.6334	4.3240	.84707	.20519	.91119	.15779	.71882	.04029	3.6128	2.4500	4.5571	5.1087	4.3648
#1	3.4163	.01306	.19488	.01021	.02093	1.3914	.04410	3.0548	.01086	.07748	.01142	.01698	.48017
#2	3.4962	.01389	.19723	.01024	.02120	1.3945	.04365	3.0531	.01143	.07484	.01218	.01580	.51075
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0603**	**.10897**	**.01029**	**.01475**	**.00910**	**.01578**	**.06463**	**.00920**	**.02272**	**.01822**
Stddev	.0463	.00006	.00016	.00144	.00019	.00032	.01373	.00091	.00016	.00089
%RSD	4.3648	.05571	1.5889	9.7677	2.1247	2.0418	21.247	9.8686	.71234	4.8838
#1	1.0276	.10893	.01018	.01373	.00924	.01556	.07434	.00856	.02283	.01885
#2	1.0930	.10901	.01041	.01577	.00896	.01601	.05492	.00985	.02261	.01759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6949.4**	**103320.**	**5444.5**
Stddev	9.9	117.	14.8
%RSD	.14226	.11339	.27254
#1	6956.4	103400.	5434.0
#2	6942.4	103230.	5455.0

Sample Name: mb 280-200256/1-a Acquired: 11/16/2013 4:06:29 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00486**	**-.00153**	**.00416**	**.00000**	**.00000**	**-.00209**	**.01102**	**.00025**	**-.00026**
Stddev	.00008	.00285	.00152	.00020	.00025	.0001	.00207	.00416	.00008	.00006
%RSD	91.658	58.679	99.588	4.7740	21529.	1697.1	99.076	37.734	32.086	23.573
#1	-.00003	.00284	-.00261	.00430	.00018	-.00004	-.00355	.01396	.00031	-.00031
#2	-.00015	.00687	-.00045	.00402	-.00018	.00003	-.00062	.00808	.00019	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00080**	**.00575**	**-.00541**	**.00237**	**.00035**	**.00016**	**-.00019**	**.34264**	**-.00006**
Stddev	.00012	.00006	.00308	.03910	.00024	.00038	.00001	.00018	.00940	.00020
%RSD	1612.1	7.8223	53.605	722.16	10.031	110.91	6.0052	92.989	2.7429	351.97
#1	-.00008	-.00075	.00794	.02223	.00220	.00062	.00016	-.00031	.33600	-.00020
#2	.00010	-.00084	.00357	-.03306	.00254	.00007	.00015	-.00006	.34929	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**.00107**	W **.08642**	**-.00154**	**.00174**	**-.00262**	**-.00562**	**.00030**	**.00020**	**.00033**
Stddev	.00094	.00029	.02092	.00055	.00156	.01163	.02489	.00063	.00006	.00245
%RSD	30.078	26.606	24.201	35.573	89.800	443.14	443.14	212.87	30.563	732.14
#1	.00247	.00087	.07163	-.00193	.00285	.00560	.01198	-.00015	.00016	-.00140
#2	.00381	.00127	.10121	-.00115	.00064	-.01085	-.02322	.00074	.00024	.00207
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00064**	**.00599**	**-.00073**	**.00337**	**.00572**
Stddev	.00015	.00141	.00780	.00028	.00030	.00171
%RSD	91.873	220.28	130.15	37.747	9.0190	29.893
#1	-.00006	-.00163	.01151	-.00053	.00316	.00451
#2	-.00026	.00036	.00048	-.00092	.00359	.00693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7153.3**	**106930.**	**5658.9**
Stddev	2.3	125.	21.4
%RSD	.03209	.11669	.37779
#1	7154.9	107010.	5643.8
#2	7151.7	106840.	5674.0

Sample Name: lcs 280-200256/2-a Acquired: 11/16/2013 4:08:49 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04786**	**1.9350**	**1.0722**	**1.0480**	**2.1074**	**.04950**	**2.2305**	**49.140**	**.10229**	**.50007**
Stddev	.00009	.0006	.0010	.0029	.0095	.00028	.0037	.330	.00049	.00002
%RSD	.19448	.03164	.09103	.27614	.44873	.56615	.16692	.67236	.47531	.00451
#1	.04779	1.9346	1.0715	1.0459	2.1007	.04930	2.2279	48.907	.10263	.50005
#2	.04792	1.9354	1.0729	1.0500	2.1141	.04970	2.2331	49.374	.10194	.50008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21068**	**.26171**	**.97983**	F **58.517**	**1.0929**	**47.881**	**.49348**	**1.0450**	F **59.107**	**.51605**
Stddev	.00083	.00138	.00093	.245	.0049	.002	.00035	.0009	.004	.00002
%RSD	.39366	.52848	.09503	.41861	.44504	.00318	.06994	.08936	.00755	.00343
#1	.21009	.26269	.97917	58.343	1.0894	47.880	.49373	1.0456	59.110	.51606
#2	.21127	.26073	.98048	58.690	1.0963	47.882	.49324	1.0443	59.104	.51604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000					56.000	
Low Limit				44.500					45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.510**	**.53008**	**.14513**	**.51733**	**2.1661**	**9.9165**	**21.221**	**2.0696**	**1.0195**	**.94744**
Stddev	.008	.00185	.00005	.00204	.0089	.0202	.043	.0027	.0045	.00142
%RSD	.07251	.34978	.03369	.39379	.41078	.20401	.20401	.12930	.43705	.14996
#1	10.504	.52877	.14510	.51877	2.1598	9.9308	21.252	2.0677	1.0164	.94844
#2	10.515	.53139	.14516	.51589	2.1724	9.9021	21.191	2.0715	1.0227	.94643
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96787**	**1.9985**	F **2.4298**	**.49567**	**.46642**	**.48259**
Stddev	.00025	.0086	.0062	.00070	.00070	.00056
%RSD	.02577	.42817	.25434	.14040	.14938	.11597
#1	.96804	1.9924	2.4254	.49616	.46593	.48220
#2	.96769	2.0045	2.4342	.49518	.46692	.48299
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6810.4**	**99160.**	**5558.2**
Stddev	16.2	31.	43.2
%RSD	.23729	.03107	.77731
#1	6821.8	99138.	5588.7
#2	6798.9	99181.	5527.6

Sample Name: 280-49033-e-1-b Acquired: 11/16/2013 4:10:57 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.01350**	**.00136**	**1.5982**	**.02384**	**.00006**	**.00060**	**18.422**	**.00026**	**-.00044**
Stddev	.00032	.00000	.00314	.0058	.00002	.00004	.00068	.140	.00003	.00017
%RSD	27.103	.02831	230.92	.36251	.08711	67.180	114.58	.75939	11.498	37.488
#1	-.00095	.01349	-.00086	1.6023	.02383	.00003	.00108	18.520	.00024	-.00056
#2	-.00141	.01350	.00359	1.5941	.02386	.00008	.00011	18.323	.00028	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00226**	**.04385**	**.34503**	**.04684**	**5.5280**	**.24637**	**.02395**	W **722.39**	**.00200**
Stddev	.00002	.00019	.00041	.01766	.00433	.0029	.00001	.00097	6.49	.00030
%RSD	6.5692	8.2559	.94238	5.1196	9.2370	.05206	.00586	4.0337	.89880	15.108
#1	.00026	.00213	.04355	.33254	.04378	5.5259	.24638	.02327	726.98	.00179
#2	.00024	.00240	.04414	.35752	.04989	5.5300	.24636	.02464	717.79	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04376**	**-.00028**	**156.45**	**.00513**	**.00820**	**4.3799**	**9.3730**	**.00628**	**.59083**	**.00026**
Stddev	.00147	.00065	.07	.00089	.00144	.0129	.0275	.00003	.00609	.00165
%RSD	3.3579	228.48	.04719	17.312	17.597	.29381	.29381	.45498	1.0300	622.49
#1	.04480	-.00074	156.50	.00576	.00718	4.3708	9.3536	.00626	.59513	-.00090
#2	.04272	.00017	156.40	.00450	.00922	4.3890	9.3925	.00630	.58653	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00040**	**.10608**	**.00225**	**.00553**	**.00696**
Stddev	.00016	.00048	.00693	.00013	.00022	.00155
%RSD	33.557	118.98	6.5372	5.9974	3.9230	22.227
#1	.00036	-.00074	.11098	.00215	.00568	.00586
#2	.00058	-.00006	.10117	.00235	.00538	.00805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6501.9**	**92598.**	**5412.3**
Stddev	16.9	118.	74.5
%RSD	.25986	.12782	1.3761
#1	6513.8	92682.	5359.6
#2	6489.9	92514.	5464.9

Sample Name: 280-49033-e-1-bSD@5 Acquired: 11/16/2013 4:13:24 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.01006**	**-.00205**	**.36351**	**.00541**	**.00001**	**-.00030**	**4.0041**	**.00011**	**-.00036**
Stddev	.00034	.00003	.00327	.00297	.00039	.00002	.00309	.0127	.00008	.00004
%RSD	61.233	.30476	159.48	.81611	7.2516	221.33	1041.9	.31694	73.436	11.160
#1	-.00032	.01003	.00026	.36561	.00569	-.00001	-.00248	4.0131	.00017	-.00039
#2	-.00080	.01008	-.00437	.36142	.00514	.00003	.00189	3.9952	.00005	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00034**	**.02102**	**.05822**	**.01157**	**1.2059**	**.05254**	**.00489**	**155.45**	**.00049**
Stddev	.00020	.00036	.00099	.03097	.00247	.0014	.00003	.00049	.11	.00007
%RSD	547.27	105.37	4.6997	53.186	21.344	.11378	.05165	9.9576	.07368	13.419
#1	-.00010	.00059	.02032	.08012	.01331	1.2050	.05256	.00455	155.37	.00044
#2	.00017	.00009	.02172	.03633	.00982	1.2069	.05252	.00523	155.54	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00930**	**.00174**	**32.640**	**.00247**	**-.00150**	**.92764**	**1.9851**	**.00433**	**.12750**	**-.00020**
Stddev	.00111	.00059	.091	.00106	.00039	.01426	.0305	.00060	.00004	.00103
%RSD	11.903	33.815	.27773	42.899	25.787	1.5369	1.5369	13.926	.03037	510.77
#1	.00851	.00216	32.704	.00172	-.00178	.93772	2.0067	.00390	.12748	-.00093
#2	.01008	.00132	32.576	.00323	-.00123	.91755	1.9636	.00476	.12753	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00039**	**.03715**	**-.00005**	**.00761**	**.00395**
Stddev	.00014	.00009	.01712	.00033	.00041	.00115
%RSD	630.17	22.231	46.087	615.04	5.3490	29.042
#1	-.00012	.00033	.04926	.00018	.00732	.00476
#2	.00008	.00045	.02504	-.00029	.00790	.00314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6675.4**	**98282.**	**5380.8**
Stddev	33.9	120.	22.7
%RSD	.50797	.12254	.42094
#1	6699.4	98367.	5364.8
#2	6651.4	98197.	5396.8

Sample Name: 280-49033-e-1-c ms Acquired: 11/16/2013 4:15:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04916**	**1.8870**	**1.0914**	**2.5220**	**2.0935**	**.04907**	F **2.0823**	**66.770**	**.10106**	**.48730**
Stddev	.00009	.0077	.0033	.0105	.0016	.00001	.0091	.041	.00036	.00227
%RSD	.18423	.40904	.29937	.41585	.07529	.02429	.43707	.06193	.35635	.46658
#1	.04909	1.8925	1.0937	2.5294	2.0924	.04906	2.0888	66.799	.10132	.48891
#2	.04922	1.8815	1.0891	2.5145	2.0946	.04908	2.0759	66.741	.10081	.48569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20514**	**.26067**	**.99842**	**61.374**	**1.1697**	**52.044**	**.73942**	**1.0441**	W **778.77**	**.50572**
Stddev	.00116	.00082	.00126	.004	.0023	.097	.00080	.0052	.08	.00043
%RSD	.56740	.31578	.12632	.00698	.19845	.18634	.10786	.49904	.01012	.08415
#1	.20597	.26125	.99753	61.370	1.1681	51.975	.73886	1.0478	778.71	.50602
#2	.20432	.26008	.99931	61.377	1.1714	52.112	.73999	1.0404	778.83	.50542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.810**	**.49891**	**153.10**	**.51186**	**2.1394**	**14.346**	**30.701**	**1.9994**	**1.5881**	**.95348**
Stddev	.056	.00034	.76	.00417	.0062	.011	.023	.0088	.0012	.00204
%RSD	.51833	.06802	.49749	.81559	.28914	.07648	.07648	.44078	.07796	.21349
#1	10.850	.49867	153.64	.51481	2.1437	14.354	30.717	2.0056	1.5872	.95492
#2	10.770	.49915	152.57	.50890	2.1350	14.338	30.684	1.9931	1.5890	.95204
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97347**	**1.7491**	**2.3635**	**.50385**	**.49364**	**.47801**
Stddev	.00079	.0080	.0020	.00190	.00023	.00049
%RSD	.08156	.45677	.08538	.37673	.04671	.10170
#1	.97291	1.7547	2.3650	.50251	.49348	.47767
#2	.97403	1.7434	2.3621	.50519	.49380	.47835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6423.1**	**91172.**	**5317.4**
Stddev	.6	275.	30.0
%RSD	.00945	.30140	.56419
#1	6423.5	91367.	5296.2
#2	6422.6	90978.	5338.7

Sample Name: 280-49033-e-1-d msd Acquired: 11/16/2013 4:17:57 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04903**	**1.8726**	**1.0876**	**2.5041**	**2.0845**	**.04856**	F **2.0737**	**66.322**	**.10049**	**.48518**
Stddev	.00031	.0012	.0013	.0022	.0236	.00004	.0046	.788	.00008	.00089
%RSD	.62544	.06580	.11504	.08966	1.1306	.07432	.22126	1.1876	.08126	.18363
#1	.04881	1.8717	1.0885	2.5056	2.1011	.04859	2.0769	66.879	.10043	.48455
#2	.04925	1.8735	1.0867	2.5025	2.0678	.04854	2.0704	65.766	.10054	.48581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20409**	**.25652**	**.98384**	**61.232**	**1.1621**	**51.090**	**.72568**	**1.0439**	W **771.75**	**.50310**
Stddev	.00010	.00004	.00259	.654	.0178	.060	.00139	.0012	8.53	.00073
%RSD	.04762	.01543	.26367	1.0688	1.5350	.11738	.19161	.11299	1.1051	.14560
#1	.20402	.25655	.98568	61.695	1.1747	51.047	.72470	1.0431	777.78	.50258
#2	.20416	.25649	.98201	60.769	1.1495	51.132	.72666	1.0448	765.72	.50362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.757**	**.49494**	**151.52**	**.50671**	**2.1262**	**14.128**	**30.234**	**1.9891**	**1.5794**	**.94017**
Stddev	.004	.00066	.10	.00198	.0018	.032	.069	.0010	.0176	.00350
%RSD	.03699	.13374	.06680	.39077	.08392	.22832	.22832	.05021	1.1174	.37224
#1	10.754	.49447	151.59	.50531	2.1250	14.151	30.283	1.9898	1.5918	.93769
#2	10.759	.49540	151.44	.50811	2.1275	14.105	30.185	1.9884	1.5669	.94264
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95890**	**1.7379**	**2.3575**	**.49646**	**.48236**	**.47299**
Stddev	.00058	.0017	.0128	.00046	.00029	.00198
%RSD	.06009	.09819	.54175	.09188	.06102	.41937
#1	.95849	1.7391	2.3666	.49614	.48257	.47439
#2	.95931	1.7367	2.3485	.49678	.48215	.47159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6427.2**	**92162.**	**5331.1**
Stddev	11.9	83.	72.7
%RSD	.18519	.09058	1.3638
#1	6435.7	92103.	5279.7
#2	6418.8	92221.	5382.6

Sample Name: 280-49033-e-1-bPDS Acquired: 11/16/2013 4:20:09 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04309**	**1.0255**	**.23061**	**1.6228**	**.13188**	**.05090**	**.00012**	**37.832**	**.05410**	**.05130**
Stddev	.00082	.0013	.00040	.0003	.00019	.00006	.00153	.011	.00013	.00005
%RSD	1.8976	.12938	.17167	.02045	.14173	.12681	1320.1	.02904	.23871	.10039
#1	.04367	1.0264	.23089	1.6230	.13175	.05095	-.00096	37.824	.05419	.05126
#2	.04251	1.0245	.23033	1.6226	.13201	.05085	.00119	37.839	.05401	.05134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05429**	**.05628**	**1.0788**	**25.797**	**.16351**	**24.377**	**.29002**	**.07398**	W **723.75**	**.05551**
Stddev	.00016	.00020	.0025	.029	.00007	.023	.00064	.00085	.44	.00029
%RSD	.28625	.35269	.23333	.11214	.04365	.09488	.22020	1.1541	.06104	.52743
#1	.05440	.05642	1.0806	25.818	.16346	24.394	.29048	.07337	724.06	.05572
#2	.05418	.05614	1.0770	25.777	.16356	24.361	.28957	.07458	723.44	.05530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3198**	**.10574**	**149.68**	**.09996**	**.22615**	**9.0828**	**19.437**	**.10617**	**.62223**	**.19538**
Stddev	.0014	.00064	.17	.00068	.00102	.0095	.020	.00074	.00128	.00190
%RSD	.06151	.60429	.11166	.68365	.45153	.10423	.10423	.69289	.20645	.97291
#1	2.3188	.10619	149.80	.10044	.22543	9.0895	19.451	.10565	.62133	.19404
#2	2.3208	.10528	149.56	.09948	.22687	9.0761	19.423	.10669	.62314	.19673
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04929**	**.18630**	**.71481**	**.05504**	**.21899**	**.04756**
Stddev	.00017	.00089	.01881	.00034	.00045	.00067
%RSD	.35389	.47900	2.6315	.61888	.20777	1.4112
#1	.04916	.18693	.72812	.05528	.21867	.04708
#2	.04941	.18567	.70151	.05480	.21931	.04803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6407.4**	**91458.**	**5332.6**
Stddev	3.7	314.	15.9
%RSD	.05737	.34383	.29785
#1	6410.0	91235.	5343.8
#2	6404.8	91680.	5321.4

Sample Name: CCVH-2382126 Acquired: 11/16/2013 4:22:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00826**	**50.083**	**-.00001**	**.01045**	**.00064**	**-.00008**	**1.0479**	**.01768**	**.00053**	**-.00047**	**.00032**	**.01777**
Stddev	.00040	.089	.00025	.00017	.00026	.00009	.0055	.00608	.00036	.00003	.00016	.00024
%RSD	4.8841	.17799	1669.2	1.6474	39.911	101.15	.52559	34.373	67.565	5.8999	50.851	1.3365
#1	-.00797	50.020	.00016	.01057	.00083	-.00014	1.0518	.02198	.00028	-.00049	.00021	.01760
#2	-.00854	50.146	-.00019	.01033	.00046	-.00002	1.0440	.01338	.00078	-.00045	.00044	.01794
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.092**	**.09004**	**.00154**	**.08311**	**.00113**	**.00183**	F **286.98**	**-.00064**	**.00400**	**.00238**	**5.1203**	**-.00283**
Stddev	.209	.01371	.00046	.00215	.00004	.00064	.63	.00002	.00035	.00036	.0012	.00184
%RSD	.43535	15.227	29.868	2.5876	3.5169	34.848	.21903	2.4097	8.8176	15.079	.02289	65.024
#1	47.944	.08035	.00187	.08463	.00116	.00138	286.53	-.00065	.00425	.00213	5.1195	-.00153
#2	48.240	.09974	.00122	.08159	.00111	.00229	287.42	-.00063	.00375	.00264	5.1212	-.00413
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00427**	**.00662**	**.01416**	**.00384**	**.00046**	W **4.6493**	**.01699**	**.00190**	F **8.6972**	**.00348**	**.00246**	**-.07713**
Stddev	.00149	.01343	.02875	.00003	.00003	.0067	.00070	.00103	.0992	.00003	.00011	.00311
%RSD	34.914	202.95	202.95	.88277	6.2604	.14411	4.1292	54.156	1.1403	.88130	4.3379	4.0313
#1	-.00532	.01612	.03449	.00382	.00048	4.6540	.01650	.00117	8.6271	.00346	.00253	-.07933
#2	-.00321	-.00288	-.00616	.00387	.00044	4.6445	.01749	.00263	8.7674	.00350	.00238	-.07493
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6793.8**	**97515.**	**5354.6**
Stddev	8.1	605.	23.5
%RSD	.11869	.62063	.43949
#1	6788.1	97087.	5338.0
#2	6799.5	97943.	5371.3

Sample Name: CCV-2372889 Acquired: 11/16/2013 4:24:56 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48638**	**.51484**	**1.0304**	**.52994**	**.51808**	**.49484**	**-.00853**	**4.9785**	**.49695**	**.50526**	**.51736**	**.49647**	**2.4338**
Stddev	.00094	.00213	.0035	.00251	.00804	.00583	.00025	.0062	.00018	.00089	.00095	.00034	.0097
%RSD	.19427	.41406	.33617	.47376	1.5516	1.1782	2.9239	.12538	.03654	.17643	.18443	.06906	.39657
#1	.48571	.51635	1.0279	.52816	.51240	.49072	-.00835	4.9741	.49708	.50589	.51803	.49623	2.4270
#2	.48705	.51333	1.0328	.53171	.52377	.49896	-.00870	4.9829	.49682	.50463	.51668	.49671	2.4406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.861**	**1.0740**	**18.621**	**.49154**	**.51735**	F **5.7465**	**.52644**	**1.0226**	**1.0682**	**.06988**	**1.0268**	**1.0497**	**4.8409**
Stddev	.874	.0210	.060	.00084	.00101	.0438	.00527	.0039	.0010	.00189	.0006	.0051	.0167
%RSD	1.5369	1.9569	.32184	.17008	.19596	.76246	1.0019	.38275	.09805	2.7084	.05606	.48495	.34482
#1	56.243	1.0591	18.578	.49095	.51806	5.7155	.53017	1.0254	1.0690	.06854	1.0272	1.0533	4.8291
#2	57.479	1.0889	18.663	.49213	.51663	5.7775	.52271	1.0199	1.0675	.07121	1.0264	1.0461	4.8527
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.360**	**1.0290**	**.50040**	**.00787**	**.46541**	**1.0224**	**.01707**	**.48347**	**.46885**	**.47962**
Stddev	.036	.0021	.00740	.00083	.00054	.0030	.00274	.00142	.00257	.00439
%RSD	.34482	.20229	1.4794	10.601	.11684	.29624	16.081	.29356	.54747	.91533
#1	10.334	1.0304	.49516	.00728	.46579	1.0246	.01513	.48447	.46703	.47651
#2	10.385	1.0275	.50563	.00846	.46502	1.0203	.01901	.48246	.47066	.48272
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6790.9**	**99337.**	**5222.1**
Stddev	6.9	127.	63.2
%RSD	.10090	.12791	1.2102
#1	6786.0	99427.	5266.8
#2	6795.7	99248.	5177.4

Sample Name: CCB Acquired: 11/16/2013 4:27:05 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00103**	**.00071**	W **.00699**	**.00013**	**.00009**	**-.00031**	**.00042**	**-.00003**	**-.00013**	**.00014**
Stddev	.00016	.00040	.00006	.00012	.00020	.00005	.00118	.00332	.00012	.00010	.00008
%RSD	110.29	38.471	7.9101	1.6457	153.54	61.288	384.35	790.68	441.92	79.649	58.472
#1	.00026	.00131	.00067	.00691	-.00001	.00005	-.00114	.00277	-.00012	-.00020	.00020
#2	.00003	.00075	.00075	.00707	.00027	.00012	.00053	-.00193	.00006	-.00006	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00159**	**.00470**	**.05757**	**.00126**	**.00066**	**.00003**	**.00246**	F **.28759**	**.00043**	**.00082**	**.00032**
Stddev	.00009	.00078	.02455	.00073	.00031	.00003	.00083	.01143	.00003	.00081	.00006
%RSD	5.9734	16.637	42.638	58.340	47.147	88.929	33.832	3.9734	6.4961	98.512	19.684
#1	-.00152	.00525	.04021	.00074	.00044	.00001	.00187	.29567	.00045	.00139	.00036
#2	-.00166	.00414	.07493	.00178	.00088	.00005	.00305	.27951	.00041	.00025	.00027
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05650**	**.00217**	**.00237**	**-.00915**	**-.01958**	**.00125**	**.00016**	**.00120**	**.00003**	**.00047**	**-.01445**
Stddev	.00043	.00271	.00351	.00414	.00886	.00003	.00008	.00080	.00037	.00027	.01656
%RSD	.76466	125.12	147.94	45.249	45.249	2.6331	51.157	66.339	1466.8	56.327	114.65
#1	.05619	.00025	-.00011	-.00622	-.01331	.00123	.00021	.00176	-.00024	.00066	-.02616
#2	.05680	.00408	.00485	-.01207	-.02584	.00128	.00010	.00064	.00029	.00028	-.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00039**	**.00311**	W **.00423**
Stddev	.00020	.00014	.00072
%RSD	51.449	4.5366	17.152
#1	-.00025	.00321	.00474
#2	-.00053	.00301	.00371
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6862.6**	**101590.**	**5238.3**
Stddev	20.4	205.	56.5
%RSD	.29791	.20192	1.0795
#1	6848.2	101440.	5198.3
#2	6877.1	101730.	5278.3

Sample Name: CCVL-2383195 Acquired: 11/16/2013 4:29:27 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00940**	**.10742**	**.01673**	**.10992**	**.01042**	**.00096**	**.11861**	**.20545**	**.00522**	**.01054**	**.01081**	**.01366**	**.10100**
Stddev	.00011	.00050	.00189	.00078	.00045	.00001	.00078	.00061	.00002	.00000	.00010	.00005	.00246
%RSD	1.1284	.46211	11.300	.70619	4.3368	.81027	.65386	.29553	.44116	.01786	.92567	.38221	2.4368
#1	.00948	.10777	.01806	.11047	.01010	.00095	.11915	.20588	.00524	.01054	.01074	.01362	.09926
#2	.00933	.10707	.01539	.10937	.01074	.00096	.11806	.20502	.00520	.01054	.01088	.01370	.10274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3689**	**.01030**	**.19472**	**.01010**	**.02128**	F **1.3175**	**.04315**	**2.9911**	**.01049**	**.05305**	**.01057**	**.01474**	**.46245**
Stddev	.0051	.00106	.00186	.00011	.00007	.0064	.00017	.0107	.00122	.00012	.00062	.00103	.00503
%RSD	.15072	10.281	.95614	1.1189	.32630	.48447	.39491	.35907	11.592	.23405	5.8465	6.9935	1.0874
#1	3.3653	.00955	.19604	.01018	.02123	1.3220	.04303	2.9987	.00963	.05296	.01013	.01401	.45889
#2	3.3725	.01104	.19340	.01002	.02133	1.3129	.04327	2.9835	.01135	.05313	.01100	.01546	.46600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98963**	**.10741**	**.01012**	**.01419**	**.00938**	**.01601**	F **.09768**	**.00883**	**.02308**	**.01825**
Stddev	.01076	.00032	.00000	.00118	.00032	.00079	.03396	.00053	.00056	.00019
%RSD	1.0874	.29534	.00365	8.3322	3.3945	4.9313	34.770	6.0148	2.4372	1.0461
#1	.98202	.10764	.01012	.01335	.00916	.01657	.12170	.00845	.02348	.01812
#2	.99724	.10719	.01012	.01502	.00961	.01545	.07366	.00920	.02268	.01839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6906.4**	**101550.**	**5266.5**
Stddev	23.7	367.	6.1
%RSD	.34326	.36114	.11622
#1	6889.6	101290.	5262.1
#2	6923.2	101810.	5270.8

Sample Name: 280-49033-e-2-b Acquired: 11/16/2013 4:31:49 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.01833**	**.00010**	**1.6431**	**.03550**	**.00000**	**-.00119**	**31.625**	**.00034**	**-.00061**
Stddev	.00018	.00116	.00081	.0005	.00016	.00002	.00055	.060	.00005	.00005
%RSD	33.306	6.3506	777.60	.02854	.46086	500.46	45.815	.19094	14.164	7.9965
#1	-.00041	.01916	-.00047	1.6427	.03561	-.00001	-.00158	31.668	.00037	-.00057
#2	-.00067	.01751	.00068	1.6434	.03538	.00002	-.00081	31.582	.00030	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00224**	**.04345**	**.54719**	**.03115**	**7.4686**	**.13825**	**.01589**	W **1055.0**	**.00085**
Stddev	.00010	.00052	.00096	.05988	.00137	.0120	.00053	.00041	.0	.00000
%RSD	46.769	23.024	2.2168	10.943	4.3904	.16086	.38325	2.6098	.00194	.35269
#1	.00014	.00260	.04413	.50485	.03018	7.4771	.13862	.01559	1055.0	.00085
#2	.00029	.00187	.04277	.58953	.03211	7.4601	.13787	.01618	1055.0	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05906**	**-.00041**	**173.29**	**-.00058**	**.00304**	**4.0002**	**8.5605**	**.00083**	**.86279**	**.00145**
Stddev	.00543	.00042	.26	.00028	.00004	.0062	.0133	.00016	.00131	.00067
%RSD	9.2027	102.37	.15052	48.645	1.4032	.15478	.15478	18.874	.15223	46.136
#1	.05521	-.00011	173.11	-.00038	.00301	4.0046	8.5699	.00072	.86371	.00192
#2	.06290	-.00070	173.48	-.00078	.00307	3.9959	8.5511	.00094	.86186	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00007**	**.07593**	**.00169**	**.00709**	**.00390**
Stddev	.00020	.00114	.01831	.00008	.00027	.00169
%RSD	102.16	1637.2	24.118	4.4691	3.8304	43.209
#1	-.00034	.00088	.08888	.00163	.00728	.00509
#2	-.00005	-.00074	.06298	.00174	.00690	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6409.1**	**92520.**	**5520.7**
Stddev	23.5	114.	7.4
%RSD	.36684	.12290	.13382
#1	6425.7	92600.	5526.0
#2	6392.5	92439.	5515.5

Sample Name: 280-49033-e-3-b Acquired: 11/16/2013 4:34:53 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**2.0033**	**-.00164**	**.90736**	**.15379**	**.00002**	**-.00263**	**11.217**	**.00018**	**.00081**
Stddev	.00068	.0015	.00244	.00087	.00106	.00013	.00087	.163	.00009	.00021
%RSD	173.69	.07640	148.96	.09619	.68658	824.19	33.071	1.4568	50.269	25.174
#1	-.00087	2.0044	-.00336	.90675	.15454	.00010	-.00201	11.332	.00024	.00096
#2	.00009	2.0022	.00009	.90798	.15305	-.00007	-.00324	11.101	.00012	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**.00304**	**.93053**	**2.1626**	**.07722**	**4.6892**	**.10326**	**.01376**	W **538.80**	**.00651**
Stddev	.00010	.00023	.00426	.0240	.00143	.0184	.00026	.00019	5.80	.00003
%RSD	3.7272	7.6413	.45732	1.1099	1.8581	.39174	.25093	1.4009	1.0770	.51808
#1	.00271	.00287	.93354	2.1456	.07621	4.6762	.10307	.01362	542.91	.00648
#2	.00285	.00320	.92752	2.1795	.07824	4.7022	.10344	.01389	534.70	.00653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12496**	**.00145**	**6.5708**	**-.00299**	**-.00126**	**9.6497**	**20.650**	**.00052**	**.51121**	**.00097**
Stddev	.00072	.00098	.0101	.00076	.00244	.0675	.144	.00013	.00637	.00058
%RSD	.57652	67.312	.15336	25.412	193.41	.69968	.69968	25.553	1.2464	60.209
#1	.12547	.00076	6.5636	-.00245	.00046	9.6975	20.753	.00061	.51572	.00056
#2	.12445	.00214	6.5779	-.00352	-.00299	9.6020	20.548	.00042	.50671	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01736**	**-.00051**	**.02482**	**.00983**	**.01653**	**.00644**
Stddev	.00021	.00013	.01183	.00024	.00013	.00011
%RSD	1.1866	25.882	47.665	2.4378	.78361	1.6537
#1	.01750	-.00061	.03318	.01000	.01662	.00652
#2	.01721	-.00042	.01645	.00966	.01644	.00636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6688.2**	**96216.**	**5444.1**
Stddev	.5	168.	111.1
%RSD	.00733	.17487	2.0411
#1	6688.5	96335.	5365.5
#2	6687.8	96097.	5522.6

Sample Name: 280-49033-e-4-b Acquired: 11/16/2013 4:37:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**2.1003**	**.00186**	**.91467**	**.15437**	**-.00002**	**-.00497**	**11.223**	**.00029**	**.00093**
Stddev	.00059	.0080	.00142	.00064	.00057	.00006	.00019	.163	.00004	.00010
%RSD	98.117	.37828	76.379	.06957	.37136	319.82	3.9036	1.4548	13.415	10.438
#1	-.00102	2.0947	.00287	.91422	.15477	-.00006	-.00510	11.339	.00026	.00099
#2	-.00018	2.1059	.00086	.91512	.15396	.00002	-.00483	11.108	.00032	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**.00266**	**.96059**	**2.2478**	**.07571**	**4.7130**	**.10440**	**.01401**	W **541.65**	**.00623**
Stddev	.00003	.00000	.00226	.0210	.00001	.0031	.00030	.00018	6.90	.00002
%RSD	1.1659	.07002	.23564	.93484	.00718	.06529	.28854	1.3104	1.2740	.28031
#1	.00275	.00266	.96219	2.2329	.07571	4.7108	.10419	.01414	546.53	.00624
#2	.00279	.00266	.95899	2.2626	.07571	4.7152	.10462	.01388	536.77	.00621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12572**	**.00073**	**6.5988**	**-.00245**	**-.00171**	**9.8713**	**21.125**	**.00000**	**.51227**	**-.00051**
Stddev	.00118	.00146	.0289	.00178	.00149	.0664	.142	.00017	.00755	.00068
%RSD	.94174	198.54	.43748	72.698	87.430	.67260	.67260	27997.	1.4739	133.49
#1	.12488	-.00030	6.5784	-.00370	-.00065	9.9183	21.225	-.00012	.51761	-.00099
#2	.12656	.00176	6.6192	-.00119	-.00276	9.8244	21.024	.00012	.50694	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01361**	**-.00133**	**.02414**	**.00943**	**.00710**	**.00644**
Stddev	.00042	.00024	.00269	.00043	.00015	.00111
%RSD	3.0875	17.770	11.136	4.5902	2.1528	17.281
#1	.01391	-.00150	.02224	.00912	.00699	.00723
#2	.01331	-.00117	.02604	.00973	.00721	.00565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6688.9**	**96813.**	**5507.1**
Stddev	1.1	313.	76.9
%RSD	.01623	.32333	1.3967
#1	6689.7	96591.	5452.7
#2	6688.2	97034.	5561.5

Sample Name: 280-49033-e-5-b Acquired: 11/16/2013 4:39:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.06249**	**-.00073**	**2.6180**	**.01567**	**.00003**	**-.00279**	**37.510**	**.00040**	**-.00029**
Stddev	.00013	.00019	.00207	.0169	.00025	.00007	.00030	.388	.00008	.00016
%RSD	21.884	.29671	281.68	.64581	1.6249	229.43	10.830	1.0355	21.162	54.155
#1	-.00051	.06236	-.00219	2.6061	.01585	.00008	-.00300	37.784	.00034	-.00018
#2	-.00070	.06263	.00073	2.6300	.01549	-.00002	-.00258	37.235	.00046	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00284**	**.04716**	**.62810**	**.05621**	**20.614**	**.16301**	**.13920**	W **858.83**	**.00148**
Stddev	.00003	.00007	.00034	.00622	.00138	.254	.00136	.00016	10.07	.00005
%RSD	53.507	2.3514	.71427	.99016	2.4476	1.2299	.83583	.11420	1.1722	3.1552
#1	.00009	.00289	.04692	.63250	.05524	20.435	.16204	.13909	865.95	.00151
#2	.00004	.00280	.04740	.62370	.05718	20.793	.16397	.13931	851.71	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03599**	**-.00042**	F **306.04**	**-.00196**	**-.00201**	**3.9859**	**8.5299**	**.00058**	**1.9250**	**-.00069**
Stddev	.00121	.00156	1.72	.00048	.00194	.0098	.0210	.00041	.0223	.00139
%RSD	3.3708	373.36	.56124	24.708	96.571	.24663	.24663	71.011	1.1586	200.17
#1	.03513	.00068	304.83	-.00230	-.00338	3.9929	8.5448	.00029	1.9408	-.00168
#2	.03685	-.00152	307.26	-.00161	-.00064	3.9790	8.5150	.00087	1.9093	.00029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00042**	**.23590**	**.00174**	**.00403**	**.00361**
Stddev	.00013	.00000	.01781	.00006	.00013	.00051
%RSD	52.611	.90799	7.5494	3.3586	3.3363	14.185
#1	.00033	-.00043	.24850	.00178	.00393	.00398
#2	.00015	-.00042	.22331	.00170	.00412	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6463.1**	**93109.**	**5389.3**
Stddev	6.2	1283.	62.8
%RSD	.09650	1.3778	1.1650
#1	6467.5	94017.	5344.9
#2	6458.7	92202.	5433.7

Sample Name: 280-49033-e-6-b Acquired: 11/16/2013 4:42:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00254**	**-.00339**	**3.3054**	**.00997**	**-.00006**	**-.00070**	**209.87**	**.00116**	**-.00046**
Stddev	.00029	.00011	.00131	.0216	.00000	.00007	.00073	.78	.00001	.00001
%RSD	42.200	4.3940	38.572	.65500	.00322	113.99	104.61	.37382	.58870	1.7730
#1	-.00048	.00246	-.00246	3.2900	.00997	-.00001	-.00018	210.42	.00117	-.00046
#2	-.00088	.00262	-.00431	3.3207	.00997	-.00011	-.00122	209.31	.00116	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00365**	**.92722**	**4.2631**	**.29293**	**60.408**	**.23734**	**.01294**	W **4590.9**	**.00144**
Stddev	.00006	.00028	.00289	.3552	.00085	.228	.00015	.00013	11.7	.00033
%RSD	662.47	7.6169	.31188	8.3319	.28953	.37740	.06394	.98964	.25529	23.030
#1	.00004	.00384	.92518	4.0119	.29233	60.569	.23745	.01285	4599.2	.00121
#2	-.00005	.00345	.92927	4.5142	.29353	60.247	.23723	.01303	4582.6	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03119**	**-.00078**	F **1667.9**	**-.00088**	**.04368**	**4.4514**	**9.5259**	**-.00025**	W **10.176**	**.00005**
Stddev	.00118	.00002	3.1	.00111	.00040	.0100	.0214	.00038	.126	.00013
%RSD	3.7912	2.6723	.18395	125.99	.90611	.22494	.22494	152.21	1.2384	270.68
#1	.03036	-.00079	1670.1	-.00010	.04396	4.4443	9.5107	.00002	10.265	.00014
#2	.03203	-.00076	1665.8	-.00167	.04340	4.4584	9.5410	-.00052	10.087	-.00004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**-.00047**	**.25615**	**.00155**	**.00879**	**.00404**
Stddev	.00004	.00019	.01410	.00075	.00017	.00215
%RSD	3.0846	40.484	5.5049	48.322	1.9592	53.163
#1	-.00118	-.00061	.24618	.00208	.00892	.00252
#2	-.00113	-.00034	.26613	.00102	.00867	.00555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5884.5**	**83147.**	**5326.1**
Stddev	23.3	488.	1.2
%RSD	.39601	.58720	.02282
#1	5901.0	82802.	5325.2
#2	5868.1	83492.	5326.9

Sample Name: 280-49033-e-8-b Acquired: 11/16/2013 4:45:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**.03684**	**-.00209**	**3.7129**	**.01585**	**-.00004**	**.00212**	**361.35**	**.00122**	**.00076**
Stddev	.00030	.00055	.00303	.0121	.00010	.00000	.00070	1.35	.00011	.00021
%RSD	41.842	1.5050	144.99	.32637	.64527	11.154	32.743	.37482	9.3948	27.852
#1	-.00093	.03645	-.00423	3.7215	.01592	-.00004	.00163	362.31	.00114	.00091
#2	-.00051	.03723	.00005	3.7044	.01578	-.00004	.00262	360.39	.00130	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.00608**	**2.7586**	**4.9488**	**.48435**	**71.934**	**1.5178**	**.00666**	W **4531.8**	**.00454**
Stddev	.00005	.00036	.0036	.3021	.00374	.741	.0115	.00014	15.4	.00007
%RSD	3.4129	5.8571	.12954	6.1041	.77215	1.0302	.76043	2.0748	.34045	1.6122
#1	.00159	.00583	2.7611	4.7352	.48171	72.458	1.5260	.00657	4520.9	.00449
#2	.00152	.00633	2.7560	5.1624	.48699	71.410	1.5097	.00676	4542.7	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02752**	**-.00116**	F **1183.0**	**-.00063**	**.11578**	**5.5118**	**11.795**	**.00113**	W **13.099**	**-.00050**
Stddev	.00097	.00012	6.9	.00436	.00315	.0147	.031	.00044	.049	.00057
%RSD	3.5380	10.404	.58486	688.91	2.7210	.26657	.26657	38.585	.37636	112.76
#1	.02821	-.00107	1187.9	.00245	.11800	5.5014	11.773	.00082	13.064	-.00010
#2	.02683	-.00124	1178.1	-.00372	.11355	5.5222	11.817	.00144	13.134	-.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00085**	**.55452**	**.00127**	**.23909**	**.00524**
Stddev	.00014	.00022	.00576	.00034	.00330	.00014
%RSD	627.84	25.865	1.0393	26.900	1.3799	2.7134
#1	-.00008	-.00100	.55859	.00152	.24142	.00534
#2	.00012	-.00069	.55044	.00103	.23675	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5743.2**	**81395.**	**5191.0**
Stddev	7.6	245.	3.9
%RSD	.13314	.30085	.07523
#1	5737.7	81221.	5188.2
#2	5748.6	81568.	5193.8

Sample Name: CCVH-2382126 Acquired: 11/16/2013 4:48:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00852**	**50.873**	**-.00058**	**.01334**	**.00036**	**-.00013**	W **1.0697**	**.01887**	**.00063**	**-.00021**	**.00031**	**.01860**
Stddev	.00009	.424	.00127	.00080	.00010	.00006	.0081	.00366	.00004	.00000	.00006	.00011
%RSD	1.0632	.83319	219.72	6.0082	27.618	46.811	.75780	19.382	6.2151	2.2528	18.607	.61114
#1	-.00845	50.574	.00032	.01390	.00029	-.00017	1.0754	.02146	.00060	-.00021	.00035	.01852
#2	-.00858	51.173	-.00148	.01277	.00043	-.00009	1.0639	.01628	.00065	-.00022	.00027	.01868
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.618**	**.23238**	**.00343**	**.08082**	**.00098**	**.00022**	F **293.21**	**-.00050**	**.00327**	**.00124**	W **5.3160**	**-.00217**
Stddev	.170	.02252	.00008	.00317	.00011	.00001	1.19	.00033	.00027	.00079	.0398	.00142
%RSD	.34980	9.6895	2.2620	3.9249	11.644	5.9272	.40733	67.017	8.2561	63.615	.74911	65.297
#1	48.497	.24830	.00338	.08307	.00090	.00022	292.36	-.00073	.00308	.00180	5.3441	-.00318
#2	48.738	.21646	.00349	.07858	.00106	.00021	294.05	-.00026	.00346	.00068	5.2878	-.00117
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00752**	**.00125**	**.00267**	**.00041**	**.00093**	W **4.6454**	**.01711**	**.00164**	F **8.8324**	**.00294**	**.00277**	**-.07665**
Stddev	.00005	.00174	.00372	.00047	.00001	.0276	.00007	.00007	.0211	.00038	.00033	.00155
%RSD	.69424	139.05	139.05	115.08	1.5418	.59462	.43360	4.4172	.23850	12.748	11.985	2.0237
#1	-.00756	.00002	.00004	.00008	.00092	4.6649	.01706	.00170	8.8473	.00268	.00301	-.07774
#2	-.00748	.00248	.00530	.00074	.00094	4.6259	.01717	.00159	8.8175	.00321	.00254	-.07555
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6787.8**	**98672.**	**5382.1**
Stddev	12.0	107.	12.5
%RSD	.17693	.10833	.23251
#1	6796.3	98596.	5373.3
#2	6779.3	98747.	5391.0

Sample Name: CCV-2372889 Acquired: 11/16/2013 4:51:10 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49734**	**.52062**	**1.0593**	**.54930**	**.52889**	**.50553**	**-.00899**	**5.0610**	**.51092**	**.51672**	**.52909**	**.51409**
Stddev	.00048	.00299	.0032	.00445	.00351	.00313	.00164	.0056	.00055	.00163	.00124	.00248
%RSD	.09609	.57437	.30237	.81026	.66381	.61926	18.207	.11123	.10673	.31562	.23356	.48336
#1	.49700	.51850	1.0570	.54616	.53137	.50775	-.01014	5.0570	.51053	.51556	.52822	.51233
#2	.49768	.52273	1.0615	.55245	.52640	.50332	-.00783	5.0650	.51130	.51787	.52997	.51585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4912**	F **58.431**	W **1.1044**	**18.916**	**.50067**	**.52568**	F **6.4479**	**.53826**	**1.0468**	**1.0895**	**.18652**	**1.0591**
Stddev	.0027	.461	.0063	.035	.00105	.00352	.0797	.00438	.0079	.0065	.00420	.0066
%RSD	.10619	.78932	.56690	.18493	.20887	.66892	1.2355	.81381	.75558	.59382	2.2492	.62110
#1	2.4893	58.757	1.1088	18.892	.50141	.52319	6.5042	.53517	1.0413	1.0849	.18949	1.0544
#2	2.4931	58.105	1.1000	18.941	.49993	.52816	6.3915	.54136	1.0524	1.0940	.18356	1.0637
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value		50.000	1.0000				5.0000					
Range		10.490%	10.000%				10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0798**	**4.8866**	**10.457**	**1.0457**	**.51009**	**.00652**	**.47393**	**1.0428**	**-.00354**	**.49221**	**.46874**	**.49065**
Stddev	.0095	.0303	.065	.0062	.00299	.00251	.00063	.0048	.04756	.00159	.00004	.00032
%RSD	.87649	.62061	.62061	.59505	.58598	38.561	.13358	.45746	1344.3	.32303	.00777	.06463
#1	1.0731	4.8652	10.411	1.0413	.51221	.00474	.47438	1.0395	.03009	.49333	.46876	.49043
#2	1.0865	4.9081	10.503	1.0501	.50798	.00830	.47349	1.0462	-.03717	.49109	.46871	.49088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6795.9**	**99975.**	**5286.8**
Stddev	12.2	503.	58.2
%RSD	.17986	.50327	1.1007
#1	6804.6	99619.	5245.6
#2	6787.3	100330.	5327.9

Sample Name: CCB Acquired: 11/16/2013 4:53:18 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00087**	**.00122**	F **.00938**	**.00053**	**.00000**	**-.00082**	**.00594**	**.00020**	**-.00014**	**.00004**
Stddev	.00016	.00078	.00352	.00024	.00012	.00003	.00045	.00153	.00001	.00018	.00004
%RSD	176.77	89.713	289.35	2.5561	22.075	839.19	54.488	25.745	7.0810	126.95	84.638
#1	-.00002	.00032	.00371	.00921	.00045	.00003	-.00114	.00702	.00019	-.00001	.00007
#2	.00021	.00143	-.00127	.00955	.00062	-.00002	-.00051	.00486	.00021	-.00027	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00163**	**.00117**	**.07011**	**.00226**	**-.00078**	**.00000**	**.00210**	F **.75722**	**.00009**	**.00091**	**.00126**
Stddev	.00037	.00394	.01175	.00022	.00198	.0000	.00055	.02187	.00024	.00062	.00041
%RSD	22.439	336.93	16.759	9.5355	255.01	1767.0	26.411	2.8880	258.44	68.394	32.947
#1	-.00137	.00396	.07842	.00211	-.00217	-.00002	.00171	.77268	.00026	.00047	.00097
#2	-.00189	-.00162	.06180	.00241	.00062	.00002	.00249	.74176	-.00008	.00134	.00155
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17016**	**.00307**	**.00194**	**-.01649**	**-.03530**	**.00072**	**.00014**	**.00060**	**-.00033**	**-.00052**	**.00107**
Stddev	.02174	.00345	.00270	.02565	.05489	.00026	.00009	.00027	.00008	.00060	.00931
%RSD	12.777	112.41	139.28	155.49	155.49	35.760	62.028	44.713	23.711	114.87	871.11
#1	.15478	.00063	.00384	-.03463	-.07411	.00053	.00008	.00079	-.00039	-.00095	-.00551
#2	.18553	.00551	.00003	.00164	.00351	.00090	.00021	.00041	-.00027	-.00010	.00765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00064**	**.00333**	**.00186**
Stddev	.00001	.00020	.00046
%RSD	1.3111	6.0641	24.602
#1	-.00064	.00319	.00218
#2	-.00063	.00347	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6832.5**	**102110.**	**5244.3**
Stddev	5.9	315.	30.2
%RSD	.08667	.30826	.57641
#1	6836.7	101880.	5265.7
#2	6828.3	102330.	5223.0

Sample Name: CCVL-2383195 Acquired: 11/16/2013 4:55:38 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.11201**	**.01519**	**.11552**	**.01073**	**.00106**	**.12007**	**.23352**	**.00535**	**.01071**	**.01099**	**.01422**	**.10749**
Stddev	.00055	.00016	.00067	.00085	.00011	.00009	.00006	.00177	.00014	.00004	.00013	.00017	.00136
%RSD	5.7067	.14050	4.4296	.73944	1.0602	8.7417	.05068	.75880	2.6200	.34415	1.2243	1.2055	1.2659
#1	.01011	.11212	.01567	.11612	.01065	.00099	.12012	.23477	.00525	.01068	.01089	.01410	.10845
#2	.00932	.11190	.01471	.11491	.01081	.00113	.12003	.23226	.00544	.01073	.01108	.01434	.10653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5812**	F **.01331**	**.20489**	**.01043**	**.02132**	F **2.0079**	**.04446**	**3.0485**	**.01099**	**.23092**	**.01165**	**.01858**	**.49017**
Stddev	.0160	.00193	.00115	.00007	.00009	.0156	.00006	.0034	.00061	.00366	.00245	.00134	.00674
%RSD	.44758	14.526	.55989	.64370	.41398	.77649	.14333	.11162	5.5055	1.5867	21.055	7.1885	1.3741
#1	3.5699	.01194	.20570	.01048	.02126	1.9969	.04441	3.0509	.01056	.23351	.01339	.01763	.48541
#2	3.5925	.01467	.20408	.01038	.02139	2.0189	.04450	3.0461	.01142	.22833	.00992	.01952	.49493
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0490**	**.10899**	**.01102**	**.01509**	**.00952**	**.01560**	F **.08738**	**.00909**	**.02266**	**.01730**
Stddev	.0144	.00008	.00002	.00063	.00010	.00238	.01240	.00013	.00029	.00014
%RSD	1.3741	.07397	.15075	4.2015	1.0546	15.238	14.194	1.3981	1.2805	.81922
#1	1.0388	.10905	.01101	.01553	.00944	.01729	.07861	.00918	.02286	.01720
#2	1.0592	.10893	.01104	.01464	.00959	.01392	.09615	.00900	.02245	.01740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6827.3**	**101780.**	**5223.3**
Stddev	10.3	475.	38.3
%RSD	.15128	.46656	.73314
#1	6834.6	101440.	5250.4
#2	6820.0	102110.	5196.3

Sample Name: 280-48981-h-1-d Acquired: 11/16/2013 4:57:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.09752**	**.00049**	**.67432**	**.30972**	**.00009**	**-.00360**	**32.893**	**.00036**	**-.00050**
Stddev	.00034	.00070	.00075	.00198	.00336	.00007	.00049	.194	.00008	.00008
%RSD	103.79	.72294	153.25	.29350	1.0840	84.712	13.722	.59027	23.147	15.043
#1	-.00009	.09802	.00101	.67292	.31209	.00014	-.00325	33.030	.00042	-.00045
#2	-.00057	.09702	-.00004	.67571	.30734	.00003	-.00395	32.755	.00030	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00071**	**2.0927**	**1.0659**	**.01016**	**10.175**	**.42540**	**.00264**	**312.77**	**.00036**
Stddev	.00005	.00043	.0037	.0369	.00055	.001	.00015	.00003	2.24	.00041
%RSD	9.3607	60.266	.17452	3.4631	5.3827	.01377	.03627	1.0119	.71492	115.18
#1	.00054	.00041	2.0953	1.0398	.01055	10.176	.42529	.00266	314.35	.00064
#2	.00048	.00101	2.0901	1.0920	.00978	10.174	.42551	.00262	311.19	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97078**	**.00045**	**1.2978**	**-.00110**	**-.00050**	**5.4662**	**11.698**	**.00003**	**.85766**	**-.00077**
Stddev	.00137	.00081	.0330	.00186	.00106	.0287	.061	.00025	.00877	.00054
%RSD	.14157	179.22	2.5445	168.33	209.92	.52475	.52475	917.79	1.0223	69.317
#1	.96981	.00102	1.3211	.00021	-.00125	5.4459	11.654	.00020	.86386	-.00115
#2	.97175	-.00012	1.2744	-.00242	.00024	5.4865	11.741	-.00015	.85146	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00033**	**.02618**	**.00063**	**.00382**	**.00429**
Stddev	.00010	.00023	.01831	.00012	.00018	.00002
%RSD	15.286	68.526	69.918	18.613	4.7415	.45400
#1	.00076	-.00049	.01324	.00072	.00394	.00428
#2	.00061	-.00017	.03913	.00055	.00369	.00431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6644.1**	**96651.**	**5221.8**
Stddev	19.5	476.	8.3
%RSD	.29421	.49263	.15910
#1	6657.9	96988.	5215.9
#2	6630.2	96315.	5227.7

Sample Name: 280-48981-h-2-b Acquired: 11/16/2013 5:00:27 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.09484**	**-.00095**	**.66270**	**.30182**	**.00003**	**-.00269**	**32.160**	**.00044**	**-.00037**
Stddev	.00005	.00008	.00166	.00466	.00425	.00002	.00327	.401	.00010	.00000
%RSD	5.4036	.08495	173.83	.70338	1.4073	81.242	121.71	1.2456	23.403	.70296
#1	-.00095	.09479	.00022	.66599	.30482	.00001	-.00037	32.443	.00036	-.00037
#2	-.00088	.09490	-.00213	.65940	.29881	.00005	-.00500	31.877	.00051	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00032**	**2.0292**	**1.0303**	**.01129**	**10.016**	**.41681**	**.00260**	**304.56**	**.00043**
Stddev	.00001	.00027	.0080	.0012	.00121	.030	.00026	.00014	3.41	.00002
%RSD	2.8057	82.961	.39331	.11732	10.689	.30025	.06211	5.3901	1.1185	3.8988
#1	.00037	.00013	2.0348	1.0295	.01214	10.037	.41699	.00270	306.97	.00042
#2	.00035	.00051	2.0235	1.0312	.01043	9.9944	.41663	.00250	302.15	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94907**	**.00016**	**1.3519**	**.00006**	**-.00121**	**5.3256**	**11.397**	**.00043**	**.84066**	**.00048**
Stddev	.00778	.00026	.0116	.00152	.00065	.0131	.028	.00009	.01255	.00146
%RSD	.81993	167.35	.86111	2341.6	53.578	.24498	.24498	20.203	1.4931	301.63
#1	.95457	.00034	1.3601	.00114	-.00075	5.3349	11.417	.00036	.84953	.00151
#2	.94356	-.00003	1.3437	-.00101	-.00167	5.3164	11.377	.00049	.83178	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00019**	**.00923**	**.00033**	**.00388**	**.00474**
Stddev	.00009	.00078	.03283	.00006	.00004	.00014
%RSD	13.473	420.71	355.86	18.780	1.1295	2.9486
#1	.00070	.00074	-.01399	.00037	.00385	.00484
#2	.00058	-.00037	.03244	.00028	.00391	.00464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6586.7**	**95630.**	**5228.2**
Stddev	3.3	501.	49.1
%RSD	.05062	.52407	.93849
#1	6584.3	95276.	5193.5
#2	6589.1	95985.	5262.9

Sample Name: 280-48981-h-3-b Acquired: 11/16/2013 5:02:55 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.76794**	**-.00108**	**1.4552**	**.09404**	**.00002**	**-.00290**	**31.295**	**.00042**	**.00044**
Stddev	.00002	.00041	.00134	.0023	.00031	.00003	.00101	.042	.00002	.00004
%RSD	2.3884	.05400	123.81	.15887	.32628	133.96	34.797	.13406	5.7287	8.1212
#1	.00083	.76764	-.00013	1.4568	.09425	.00004	-.00361	31.265	.00040	.00046
#2	.00086	.76823	-.00203	1.4535	.09382	.00000	-.00218	31.324	.00044	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00614**	**.46215**	**1.0988**	**.09515**	**7.4577**	**1.3535**	**.01411**	W **1106.6**	**.00950**
Stddev	.00007	.00009	.00355	.0435	.00177	.0007	.0013	.00005	4.4	.00003
%RSD	8.4853	1.4431	.76710	3.9567	1.8586	.00920	.09931	.38070	.39928	.27670
#1	.00078	.00621	.45964	1.0681	.09640	7.4572	1.3526	.01408	1103.5	.00952
#2	.00088	.00608	.46465	1.1295	.09390	7.4582	1.3545	.01415	1109.7	.00948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05973**	**.00096**	**176.25**	**-.00053**	**-.00112**	**6.2596**	**13.395**	**.00108**	**.95449**	**.00022**
Stddev	.00278	.00012	.42	.00009	.00267	.0215	.046	.00007	.00391	.00073
%RSD	4.6563	12.082	.23946	16.993	238.31	.34267	.34267	6.2107	.40957	329.21
#1	.05776	.00088	176.54	-.00047	.00077	6.2747	13.428	.00113	.95172	-.00029
#2	.06169	.00105	175.95	-.00059	-.00301	6.2444	13.363	.00103	.95725	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01082**	**-.00022**	**.07908**	**.00571**	**.00844**	**.00421**
Stddev	.00029	.00088	.00774	.00046	.00021	.00010
%RSD	2.6356	395.55	9.7871	8.0110	2.5465	2.4780
#1	.01061	-.00085	.08455	.00603	.00859	.00428
#2	.01102	.00040	.07361	.00538	.00829	.00413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6278.3**	**89372.**	**5096.1**
Stddev	3.2	88.	31.8
%RSD	.05053	.09878	.62460
#1	6276.1	89434.	5118.6
#2	6280.6	89309.	5073.6

Sample Name: 280-48981-h-4-b Acquired: 11/16/2013 5:05:54 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.01287**	**.00058**	**1.0303**	**.01119**	**-.00007**	**-.00306**	**15.161**	**.00009**	**-.00068**
Stddev	.00043	.00004	.00164	.0025	.00046	.00009	.00054	.112	.00016	.00013
%RSD	64.498	.32444	280.41	.24577	4.1239	136.86	17.588	.73604	173.36	19.441
#1	-.00097	.01284	-.00057	1.0285	.01151	.00000	-.00344	15.239	-.00002	-.00059
#2	-.00036	.01290	.00174	1.0321	.01086	-.00013	-.00268	15.082	.00020	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00114**	**.00871**	**1.4013**	**.43118**	**1.8800**	**.05205**	**.00711**	W **856.77**	**.00020**
Stddev	.00006	.00035	.00026	.0179	.00197	.0009	.00004	.00009	5.11	.00007
%RSD	50.220	30.734	3.0084	1.2766	.45702	.04921	.08165	1.2148	.59681	34.579
#1	.00007	.00089	.00890	1.3887	.42979	1.8793	.05202	.00717	860.39	.00015
#2	.00015	.00138	.00853	1.4140	.43257	1.8806	.05208	.00705	853.16	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01566**	**-.00006**	F **345.13**	**-.00172**	**.00324**	**3.5567**	**7.6114**	**.00026**	**2.2483**	**.00046**
Stddev	.00090	.00125	.90	.00245	.00098	.0242	.0517	.00020	.0084	.00037
%RSD	5.7616	2108.7	.25953	142.19	30.109	.67967	.67967	77.026	.37344	80.048
#1	.01629	.00082	345.77	-.00345	.00255	3.5396	7.5748	.00012	2.2543	.00072
#2	.01502	-.00094	344.50	.00001	.00393	3.5738	7.6480	.00041	2.2424	.00020
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00088**	**-.00458**	**.00265**	**.00869**	**.00345**
Stddev	.00028	.00001	.00032	.00009	.00020	.00195
%RSD	247.11	1.2161	6.9637	3.4166	2.3055	56.641
#1	.00009	-.00088	-.00435	.00258	.00854	.00483
#2	-.00031	-.00087	-.00480	.00271	.00883	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6407.6**	**91519.**	**5199.7**
Stddev	20.1	102.	38.2
%RSD	.31298	.11157	.73382
#1	6393.4	91447.	5172.7
#2	6421.8	91592.	5226.7

Sample Name: 280-48981-h-5-b Acquired: 11/16/2013 5:08:23 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**.01894**	**-.00160**	**2.2204**	**.01514**	**.00001**	**-.00257**	**6.1429**	**.00015**	**-.00048**
Stddev	.00045	.00012	.00064	.0001	.00016	.00003	.00109	.0278	.00002	.00003
%RSD	60.976	.62288	39.951	.00229	1.0702	390.51	42.564	.45279	15.452	5.9718
#1	-.00042	.01885	-.00115	2.2205	.01526	-.00001	-.00179	6.1626	.00013	-.00046
#2	-.00105	.01902	-.00205	2.2204	.01503	.00003	-.00334	6.1233	.00017	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00103**	**.02206**	**1.2546**	**.30769**	**.63364**	**.04497**	**.03480**	W **647.22**	**.00060**
Stddev	.00007	.00039	.00286	.0328	.00156	.00131	.00001	.00030	1.12	.00020
%RSD	151.53	38.157	12.972	2.6175	.50716	.20706	.01494	.87413	.17366	33.111
#1	.00010	.00131	.02408	1.2778	.30880	.63457	.04497	.03458	648.01	.00046
#2	.00000	.00075	.02004	1.2314	.30659	.63271	.04498	.03501	646.42	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03646**	**.00038**	F **263.04**	**-.00009**	**-.00178**	**4.3400**	**9.2875**	**-.00049**	**.45923**	**.00040**
Stddev	.00083	.00098	.33	.00212	.00134	.0029	.0063	.00046	.00161	.00024
%RSD	2.2760	260.41	.12640	2356.2	75.517	.06753	.06753	95.059	.34976	60.788
#1	.03587	-.00032	262.81	.00141	-.00273	4.3379	9.2831	-.00016	.46037	.00023
#2	.03704	.00107	263.28	-.00159	-.00083	4.3420	9.2920	-.00081	.45809	.00056
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00017**	**.04997**	**.00064**	**.00570**	**.00503**
Stddev	.00012	.00057	.01104	.00012	.00054	.00348
%RSD	35.746	326.44	22.095	18.058	9.5249	69.164
#1	-.00042	-.00023	.05777	.00056	.00532	.00257
#2	-.00025	.00058	.04216	.00072	.00608	.00749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6564.2**	**94565.**	**5214.4**
Stddev	11.0	326.	51.8
%RSD	.16758	.34504	.99416
#1	6556.4	94335.	5177.7
#2	6571.9	94796.	5251.1

Sample Name: 280-48981-h-6-b Acquired: 11/16/2013 5:10:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.01240**	**-.00131**	**1.2320**	**.00973**	**-.00004**	**-.00325**	**10.184**	**.00012**	**-.00055**
Stddev	.00065	.00025	.00070	.0041	.00032	.00004	.00056	.103	.00001	.00005
%RSD	118.72	2.0422	53.682	.33262	3.3085	89.144	17.324	1.0069	6.2346	9.5407
#1	-.00009	.01258	-.00081	1.2349	.00950	-.00007	-.00365	10.111	.00011	-.00052
#2	-.00101	.01222	-.00180	1.2291	.00996	-.00001	-.00285	10.256	.00013	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00100**	**.01107**	**1.1435**	**.41971**	**1.0221**	**.03022**	**.00868**	W **809.43**	**.00061**
Stddev	.00023	.00015	.00035	.0326	.00124	.0039	.00012	.00010	9.36	.00011
%RSD	157.78	15.336	3.1691	2.8541	.29533	.37900	.40893	1.1476	1.1565	18.538
#1	.00031	.00089	.01082	1.1204	.41883	1.0249	.03031	.00861	802.82	.00069
#2	-.00002	.00111	.01132	1.1666	.42058	1.0194	.03013	.00875	816.05	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03590**	**.00002**	F **320.88**	**.00045**	**.00078**	**4.1228**	**8.8227**	**.00033**	**1.1945**	**-.00028**
Stddev	.00012	.00073	.31	.00179	.00478	.0001	.0001	.00017	.0173	.00013
%RSD	.34329	3152.2	.09706	399.53	614.33	.00142	.00142	51.630	1.4490	46.849
#1	.03599	.00054	321.10	.00171	.00416	4.1227	8.8226	.00045	1.1822	-.00019
#2	.03582	-.00049	320.66	-.00082	-.00260	4.1228	8.8228	.00021	1.2067	-.00037
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.00039**	**.01431**	**.00155**	**.00764**	**.00204**
Stddev	.00025	.00011	.04391	.00019	.00009	.00139
%RSD	60.728	27.422	306.84	12.438	1.1552	68.148
#1	-.00023	.00046	.04536	.00141	.00770	.00302
#2	-.00058	.00031	-.01674	.00169	.00757	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6523.5**	**93307.**	**5236.8**
Stddev	15.1	290.	71.4
%RSD	.23186	.31063	1.3635
#1	6512.8	93102.	5287.3
#2	6534.2	93512.	5186.3

Sample Name: 280-48981-h-8-b Acquired: 11/16/2013 5:13:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.02292**	**-.00159**	**1.6735**	**.01471**	**-.00005**	**-.00239**	**32.210**	**.00042**	**-.00085**
Stddev	.00001	.00022	.00239	.0025	.00004	.00017	.00006	.387	.00028	.00008
%RSD	1.4041	.94853	150.28	.14674	.24465	328.42	2.6793	1.2024	67.612	8.9685
#1	-.00077	.02307	.00010	1.6718	.01468	.00007	-.00235	32.483	.00062	-.00091
#2	-.00075	.02277	-.00328	1.6752	.01473	-.00018	-.00244	31.936	.00022	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00501**	**.02403**	**.58405**	**.11027**	**6.8736**	**.01573**	**.00566**	W **1064.9**	**.00103**
Stddev	.00001	.00032	.00019	.01263	.00045	.0104	.00002	.00042	12.1	.00007
%RSD	.99700	6.4325	.77937	2.1630	.40467	.15080	.15159	7.3336	1.1334	6.4123
#1	.00061	.00524	.02416	.57511	.11058	6.8662	.01575	.00537	1073.4	.00107
#2	.00060	.00478	.02390	.59298	.10995	6.8809	.01572	.00595	1056.3	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04584**	**-.00069**	F **284.56**	**-.00040**	**.00043**	**4.9283**	**10.547**	**.00047**	**.94211**	**.00039**
Stddev	.00087	.00041	.18	.00077	.00366	.0107	.023	.00069	.01314	.00134
%RSD	1.8878	59.517	.06205	191.40	851.41	.21623	.21623	147.66	1.3952	342.02
#1	.04523	-.00098	284.44	-.00095	.00302	4.9208	10.530	.00096	.95140	-.00055
#2	.04645	-.00040	284.69	.00014	-.00216	4.9358	10.563	-.00002	.93281	.00134
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00021**	**.14796**	**.00228**	**.00664**	**.00428**
Stddev	.00009	.00115	.00489	.00007	.00017	.00075
%RSD	62.980	536.42	3.3056	2.9045	2.5752	17.592
#1	-.00022	-.00060	.15142	.00223	.00677	.00375
#2	-.00008	.00103	.14451	.00233	.00652	.00482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6373.2**	**91022.**	**5232.6**
Stddev	35.9	316.	85.5
%RSD	.56326	.34717	1.6340
#1	6347.8	90798.	5172.2
#2	6398.6	91245.	5293.1

Sample Name: 280-48981-h-9-b Acquired: 11/16/2013 5:16:20 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200256 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.01375**	**-.00090**	**1.3346**	**.02050**	**-.00005**	**-.00366**	**32.562**	**.00041**	**-.00052**
Stddev	.00032	.00038	.00072	.0018	.00004	.00008	.00081	.020	.00001	.00009
%RSD	52.064	2.7370	80.134	.13406	.21829	179.91	22.134	.06003	1.5212	18.021
#1	-.00083	.01401	-.00141	1.3358	.02047	.00001	-.00423	32.548	.00040	-.00046
#2	-.00038	.01348	-.00039	1.3333	.02053	-.00010	-.00308	32.576	.00041	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00548**	**.01847**	**.90467**	**.10462**	**6.2422**	**.03232**	**.00455**	W **727.04**	**.00122**
Stddev	.00004	.00057	.00253	.02818	.00044	.0062	.00006	.00022	.00	.00040
%RSD	6.9218	10.308	13.672	3.1147	.42230	.09885	.19213	4.8410	.00051	32.708
#1	.00058	.00508	.02026	.92459	.10494	6.2466	.03236	.00439	727.04	.00094
#2	.00064	.00588	.01669	.88474	.10431	6.2378	.03227	.00470	727.04	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04970**	**-.00018**	W **196.89**	**.00136**	**.00498**	**4.9684**	**10.632**	**-.00020**	**.82648**	**-.00059**
Stddev	.00288	.00070	.19	.00009	.00251	.0041	.009	.00016	.00067	.00136
%RSD	5.7916	385.11	.09597	6.9010	50.404	.08253	.08253	81.410	.08142	231.32
#1	.04767	-.00067	197.03	.00129	.00675	4.9713	10.639	-.00008	.82601	.00037
#2	.05174	.00031	196.76	.00142	.00320	4.9655	10.626	-.00031	.82696	-.00155
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00062**	**.09602**	**.00202**	**.00542**	**.00422**
Stddev	.00019	.00033	.03421	.00008	.00024	.00186
%RSD	121.33	52.868	35.626	3.9116	4.4336	44.158
#1	-.00029	-.00039	.07183	.00208	.00525	.00553
#2	-.00002	-.00086	.12021	.00197	.00559	.00290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6299.7**	**91844.**	**5431.0**
Stddev	3.3	144.	1.3
%RSD	.05200	.15704	.02357
#1	6297.4	91742.	5431.9
#2	6302.0	91946.	5430.1

Sample Name: CCVH-2382126 Acquired: 11/16/2013 5:18:48 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00887**	**50.563**	**-.00069**	**.00959**	**.00110**	**-.00006**	**1.0492**	**.01725**	**.00059**	**-.00059**	**.00026**	**.01776**
Stddev	.00004	.345	.00093	.00060	.00052	.00002	.0050	.00189	.00017	.00001	.00009	.00006
%RSD	.43485	.68270	135.49	6.2628	47.079	27.082	.47336	10.980	28.004	1.1708	35.942	.34359
#1	-.00884	50.319	-.00003	.01001	.00073	-.00005	1.0527	.01591	.00071	-.00060	.00019	.01780
#2	-.00890	50.807	-.00135	.00916	.00146	-.00007	1.0456	.01859	.00048	-.00059	.00033	.01772
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.672**	**.06990**	**.00058**	**.07932**	**.00092**	**.00004**	F **293.91**	**-.00083**	**.00196**	**.00344**	**5.1332**	**-.00150**
Stddev	.061	.02600	.00000	.00036	.00002	.00001	1.75	.00038	.00041	.00047	.0262	.00055
%RSD	.12535	37.189	.43344	.45400	2.2588	24.215	.59668	46.167	20.814	13.585	.50974	36.467
#1	48.715	.08828	.00058	.07957	.00091	.00003	292.67	-.00056	.00167	.00311	5.1517	-.00188
#2	48.628	.05152	.00058	.07906	.00094	.00004	295.15	-.00110	.00224	.00377	5.1147	-.00111
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00617**	**.01232**	**.02637**	**.00054**	**.00052**	W **4.6126**	**.01706**	**.00107**	F **8.6903**	**.00324**	**.00251**	**-.07590**
Stddev	.00043	.00227	.00486	.00030	.00006	.0222	.00007	.00060	.0246	.00041	.00027	.00085
%RSD	6.9823	18.443	18.443	56.280	12.067	.48014	.42143	55.789	.28361	12.786	10.819	1.1197
#1	-.00648	.01393	.02980	.00075	.00056	4.6283	.01701	.00150	8.6728	.00295	.00270	-.07650
#2	-.00587	.01071	.02293	.00033	.00048	4.5970	.01711	.00065	8.7077	.00353	.00231	-.07530
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6740.2**	**96948.**	**5124.9**
Stddev	6.8	515.	42.1
%RSD	.10128	.53113	.82196
#1	6735.4	96584.	5154.7
#2	6745.0	97312.	5095.1

Sample Name: CCV-2372889 Acquired: 11/16/2013 5:21:13 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48588**	**.52133**	**1.0422**	**.53716**	**.52282**	**.50089**	**-.00922**	**5.0428**	**.49802**	**.50781**	**.52206**	**.49728**
Stddev	.00189	.00010	.0013	.00012	.00581	.00518	.00198	.0008	.00073	.00004	.00098	.00023
%RSD	.38898	.01959	.12493	.02325	1.1120	1.0338	21.455	.01557	.14698	.00786	.18676	.04552
#1	.48455	.52140	1.0431	.53707	.51871	.49723	-.01062	5.0434	.49854	.50783	.52275	.49744
#2	.48722	.52125	1.0413	.53724	.52693	.50455	-.00782	5.0423	.49750	.50778	.52137	.49712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4811**	F **58.380**	W **1.1005**	**18.714**	**.49401**	**.51918**	F **5.9815**	**.53104**	**1.0300**	**1.0789**	**.09535**	**1.0354**
Stddev	.0043	.694	.0123	.027	.00143	.00256	.0014	.00257	.0028	.0017	.00492	.0028
%RSD	.17478	1.1895	1.1216	.14537	.29042	.49255	.02327	.48320	.27613	.16027	5.1598	.26903
#1	2.4780	57.889	1.0918	18.695	.49300	.52099	5.9825	.52923	1.0320	1.0801	.09883	1.0374
#2	2.4842	58.871	1.1092	18.733	.49503	.51737	5.9805	.53286	1.0279	1.0777	.09187	1.0335
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value		50.000	1.0000				5.0000					
Range		10.490%	10.000%				10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0589**	**4.8555**	**10.391**	**1.0354**	**.50315**	**.00708**	**.46350**	**1.0281**	**-.01964**	**.48456**	**.47001**	**.48623**
Stddev	.0050	.0032	.007	.0029	.00535	.00019	.00170	.0027	.01274	.00258	.00095	.00122
%RSD	.47277	.06556	.06556	.28118	1.0634	2.7158	.36760	.26640	64.852	.53310	.20142	.25115
#1	1.0624	4.8578	10.396	1.0374	.49937	.00722	.46230	1.0301	-.01063	.48273	.46934	.48537
#2	1.0553	4.8533	10.386	1.0333	.50694	.00694	.46471	1.0262	-.02865	.48638	.47068	.48710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6763.6**	**99056.**	**5064.4**
Stddev	32.7	23.	61.2
%RSD	.48393	.02369	1.2091
#1	6740.4	99072.	5107.7
#2	6786.7	99039.	5021.1

Sample Name: CCB Acquired: 11/16/2013 5:23:23 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00117**	**.00138**	F **.00736**	**.00055**	**.00018**	**-.00086**	**.01289**	**.00019**	**-.00005**	**.00012**
Stddev	.00012	.00024	.00452	.00022	.00020	.00009	.00125	.01407	.00006	.00009	.00001
%RSD	197.18	20.666	328.48	2.9954	35.733	48.474	145.42	109.14	33.760	198.06	9.5632
#1	-.00014	.00134	-.00182	.00752	.00041	.00012	-.00175	.00294	.00014	-.00011	.00011
#2	.00002	.00100	.00458	.00721	.00069	.00024	.00002	.02284	.00023	.00002	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00173**	**.01280**	**-.00127**	**.00057**	**.00296**	**.00009**	**.00195**	F **.68988**	**.00007**	**.00005**	**.00130**
Stddev	.00001	.00718	.05482	.00112	.00046	.00006	.00043	.36799	.00015	.00125	.00014
%RSD	.71459	56.101	4303.0	196.07	15.441	66.072	22.266	53.341	228.20	2491.3	10.649
#1	-.00174	.00772	.03749	-.00022	.00328	.00014	.00164	.42967	-.00004	-.00083	.00139
#2	-.00172	.01788	-.04004	.00136	.00263	.00005	.00226	.95009	.00017	.00093	.00120
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08883**	**.00210**	**.00254**	**-.00116**	**-.00247**	**.00018**	F **.00054**	**.00046**	**-.00001**	**-.00037**	**.04447**
Stddev	.00052	.00180	.00093	.01126	.02410	.00025	.00044	.00010	.00022	.00046	.00703
%RSD	.58754	85.885	36.423	973.86	973.86	138.40	80.599	22.716	2496.7	123.73	15.812
#1	.08920	.00083	.00320	-.00912	-.01951	.00000	.00023	.00038	-.00017	-.00070	.04945
#2	.08846	.00338	.00189	.00681	.01457	.00035	.00085	.00053	.00015	-.00005	.03950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050				
Low Limit							-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00045**	**.00351**	W **.00328**
Stddev	.00009	.00026	.00017
%RSD	19.466	7.4376	5.2654
#1	-.00038	.00369	.00316
#2	-.00051	.00332	.00340
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6853.6**	**102120.**	**5033.8**
Stddev	6.4	200.	7.1
%RSD	.09279	.19543	.14091
#1	6858.1	101980.	5038.8
#2	6849.1	102260.	5028.7

Sample Name: CCVL-2383195 Acquired: 11/16/2013 5:25:43 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.10842**	**.01478**	**.10968**	**.01069**	**.00093**	**.11413**	**.21054**	**.00523**	**.01037**	**.01076**	**.01354**	**.10085**
Stddev	.00024	.00068	.00085	.00028	.00044	.00002	.00070	.00120	.00016	.00006	.00016	.00008	.00173
%RSD	2.5652	.63169	5.7583	.25087	4.1373	2.6185	.61631	.57150	3.0980	.54409	1.5232	.59596	1.7139
#1	.00946	.10793	.01538	.10988	.01100	.00095	.11463	.20969	.00535	.01033	.01088	.01348	.09963
#2	.00912	.10890	.01418	.10949	.01038	.00092	.11364	.21139	.00512	.01041	.01065	.01359	.10208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4754**	**.01235**	**.19498**	**.01009**	**.02044**	F **1.4644**	**.04312**	**2.9546**	**.01021**	**.08997**	**.00998**	**.01488**	**.47305**
Stddev	.0106	.00093	.00035	.00006	.00012	.0042	.00061	.0140	.00013	.00908	.00130	.00149	.00273
%RSD	.30399	7.5578	.17723	.63442	.57265	.28825	1.4204	.47366	1.3173	10.097	12.986	10.042	.57793
#1	3.4829	.01169	.19474	.01013	.02052	1.4615	.04356	2.9645	.01031	.08355	.01089	.01593	.47499
#2	3.4680	.01301	.19523	.01004	.02036	1.4674	.04269	2.9447	.01012	.09640	.00906	.01382	.47112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0123**	**.10570**	**.01000**	**.01437**	**.00939**	**.01537**	F **.07892**	**.00909**	**.02257**	**.01720**
Stddev	.0059	.00117	.00003	.00002	.00008	.00041	.00864	.00018	.00020	.00233
%RSD	.57793	1.1054	.32503	.13584	.84625	2.6784	10.944	2.0091	.90013	13.521
#1	1.0165	.10653	.01002	.01436	.00933	.01566	.07282	.00922	.02243	.01556
#2	1.0082	.10488	.00997	.01439	.00944	.01507	.08503	.00896	.02272	.01885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6922.6**	**102350.**	**5123.6**
Stddev	28.0	286.	46.2
%RSD	.40489	.27909	.90224
#1	6902.8	102150.	5090.9
#2	6942.5	102550.	5156.3

Sample Name: mb 280-200655/1-a Acquired: 11/16/2013 5:28:05 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00760**	**.00279**	W **.00532**	**.00052**	**-.00001**	**-.00201**	W **.08486**	**.00015**	**-.00013**
Stddev	.00020	.00014	.00234	.00026	.00021	.00005	.00140	.00286	.00020	.00004
%RSD	275.35	1.8302	83.688	4.8711	40.055	576.47	69.546	3.3732	131.35	30.684
#1	.00021	.00750	.00114	.00551	.00067	-.00004	-.00300	.08689	.00001	-.00015
#2	-.00007	.00770	.00445	.00514	.00037	.00002	-.00102	.08284	.00029	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00392				.02706		
Low Limit				-.00500				-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00418**	**.00043**	W **.02512**	**-.06610**	**-.00067**	**.00497**	W **.00083**	**-.00002**	W **.46114**	**.00016**
Stddev	.00008	.00022	.00742	.07124	.00058	.00388	.00003	.00011	.00404	.00000
%RSD	1.9027	51.848	29.537	107.79	86.434	78.159	3.6182	467.52	.87637	2.1011
#1	.00413	.00059	.03037	-.11647	-.00026	.00222	.00086	-.00010	.46400	.00016
#2	.00424	.00027	.01988	-.01572	-.00109	.00771	.00081	.00006	.45828	.00015
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit	.00257		.01710				.00023		.05054	
Low Limit	-.01000		-.05000				-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00246**	**.00019**	F **.09631**	**-.00008**	**-.00125**	F **.01053**	**.02252**	**.00042**	W **.00099**	W **.00109**
Stddev	.00104	.00039	.00316	.00214	.00125	.00731	.01564	.00031	.00008	.00010
%RSD	42.106	211.88	3.2766	2533.8	99.996	69.418	69.418	72.561	7.8236	8.9353
#1	.00173	-.00009	.09854	.00143	-.00037	.00536	.01147	.00064	.00105	.00102
#2	.00320	.00046	.09408	-.00160	-.00214	.01569	.03358	.00021	.00094	.00116
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Warn	Chk Warn
High Limit			.01000			.01000			.00058	.00000
Low Limit			-.01000			-.01000			-.00500	-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00072**	**-.00385**	**-.00054**	F **.01108**	**.00442**
Stddev	.00014	.00033	.02090	.00041	.00014	.00143
%RSD	94.886	45.616	543.10	75.388	1.2904	32.310
#1	-.00024	-.00096	-.01863	-.00083	.01098	.00341
#2	-.00005	-.00049	.01093	-.00025	.01118	.00543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.01000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7005.1**	**103080.**	**5156.6**
Stddev	.3	136.	23.2
%RSD	.00400	.13169	.45059
#1	7005.3	103170.	5140.2
#2	7004.9	102980.	5173.0

Sample Name: lcs 280-200655/2-a Acquired: 11/16/2013 5:30:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04651**	**1.9099**	**1.0529**	**1.0531**	**2.0477**	**.04880**	**2.1460**	**47.923**	**.09842**	**.48660**
Stddev	.00005	.0039	.0046	.0014	.0021	.00019	.0003	.015	.00002	.00066
%RSD	.10547	.20476	.43233	.13060	.10437	.39653	.01244	.03051	.02336	.13509
#1	.04655	1.9071	1.0496	1.0521	2.0462	.04894	2.1458	47.933	.09843	.48707
#2	.04648	1.9127	1.0561	1.0541	2.0492	.04867	2.1462	47.912	.09840	.48614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20631**	**.25298**	**.96998**	F **58.189**	**1.0928**	**46.513**	**.48557**	**1.0258**	F **59.093**	**.50715**
Stddev	.00007	.00069	.00060	.101	.0047	.026	.00150	.0002	.170	.00043
%RSD	.03180	.27131	.06140	.17441	.42964	.05574	.30952	.02094	.28747	.08395
#1	.20627	.25249	.96956	58.117	1.0895	46.494	.48451	1.0256	59.213	.50685
#2	.20636	.25346	.97040	58.260	1.0961	46.531	.48663	1.0260	58.973	.50745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000					56.000	
Low Limit				44.500					45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.296**	**.52011**	**.05846**	**.51103**	**2.1281**	**9.7546**	**20.875**	**2.0348**	**.98372**	**.91657**
Stddev	.002	.00080	.00145	.00243	.0109	.0354	.076	.0012	.00152	.00090
%RSD	.02027	.15446	2.4755	.47465	.50980	.36325	.36325	.06048	.15424	.09856
#1	10.295	.52068	.05744	.50932	2.1205	9.7796	20.928	2.0357	.98265	.91593
#2	10.298	.51954	.05948	.51275	2.1358	9.7295	20.821	2.0339	.98479	.91721
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93687**	**1.9449**	F **2.3455**	**.48304**	**.45777**	**.46867**
Stddev	.00106	.0011	.0252	.00073	.00028	.00121
%RSD	.11325	.05740	1.0737	.15195	.06181	.25771
#1	.93612	1.9441	2.3277	.48356	.45757	.46782
#2	.93762	1.9457	2.3633	.48252	.45797	.46952
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6725.3**	**98143.**	**5229.4**
Stddev	7.3	156.	9.2
%RSD	.10894	.15939	.17664
#1	6720.1	98032.	5235.9
#2	6730.5	98253.	5222.9

Sample Name: 280-49038-c-1-a Acquired: 11/16/2013 5:32:32 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.05660**	**.00134**	**.10535**	**1.1222**	**-.00005**	**-.00487**	**7.2920**	**.00021**	**-.00061**
Stddev	.00024	.00031	.00066	.00067	.0061	.00001	.00114	.0406	.00038	.00002
%RSD	38.485	.55356	49.081	.63561	.53998	25.683	23.525	.55699	184.40	2.6267
#1	-.00046	.05682	.00087	.10583	1.1265	-.00004	-.00406	7.3208	-.00006	-.00060
#2	-.00080	.05638	.00180	.10488	1.1179	-.00006	-.00568	7.2633	.00048	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28560**	**.00922**	**2.4421**	**5.1206**	**.07605**	**1.2874**	**.03502**	**.01363**	W **871.21**	**.00162**
Stddev	.00057	.00017	.0104	.0347	.00012	.0006	.00006	.00069	5.94	.00031
%RSD	.19862	1.8563	.42686	.67833	.15218	.04989	.16750	5.0845	.68212	19.193
#1	.28600	.00934	2.4495	5.0960	.07613	1.2869	.03497	.01314	875.41	.00140
#2	.28520	.00910	2.4347	5.1451	.07597	1.2879	.03506	.01412	867.01	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10312**	**.00122**	**.38246**	**-.00451**	**.00534**	**8.5746**	**18.350**	**.00012**	**.85868**	**.00098**
Stddev	.00051	.00070	.00006	.00085	.00245	.0724	.155	.00000	.00435	.00023
%RSD	.49182	57.604	.01442	18.820	45.959	.84470	.84470	3.6133	.50664	23.644
#1	.10276	.00072	.38250	-.00512	.00360	8.6258	18.459	.00012	.86175	.00081
#2	.10348	.00172	.38242	-.00391	.00707	8.5234	18.240	.00012	.85560	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00146**	**.02069**	**.00043**	**.01337**	**.00727**
Stddev	.00019	.00021	.01955	.00033	.00002	.00123
%RSD	22.574	14.095	94.510	77.812	.13688	16.887
#1	.00100	.00132	.03451	.00066	.01338	.00814
#2	.00072	.00161	.00686	.00019	.01335	.00640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6341.4**	**91467.**	**5084.3**
Stddev	11.8	34.	38.5
%RSD	.18660	.03674	.75789
#1	6333.0	91443.	5057.1
#2	6349.8	91491.	5111.6

Sample Name: 280-49038-c-1-aSD@5 Acquired: 11/16/2013 5:34:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.02469**	**-.00106**	**.02542**	**.21878**	**-.00001**	**-.00267**	**1.4570**	**-.00002**	**-.00008**
Stddev	.00015	.00034	.00092	.00065	.00311	.00007	.00093	.0046	.00019	.00002
%RSD	78.412	1.3677	86.743	2.5381	1.4218	518.22	35.045	.31650	1216.3	30.024
#1	-.00029	.02493	-.00170	.02588	.22098	-.00006	-.00201	1.4537	-.00015	-.00006
#2	-.00008	.02445	-.00041	.02497	.21658	.00003	-.00333	1.4602	.00012	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05662**	**.00105**	**.49766**	**.97319**	**.01550**	**.26376**	**.00701**	**.00220**	**169.43**	**.00012**
Stddev	.00001	.00014	.00570	.00045	.00025	.00245	.00008	.00026	1.62	.00019
%RSD	.02616	13.132	1.1456	.04655	1.5959	.92832	1.1957	11.690	.95561	157.83
#1	.05661	.00115	.50169	.97351	.01568	.26203	.00695	.00202	170.57	-.00001
#2	.05663	.00095	.49363	.97287	.01533	.26550	.00707	.00239	168.28	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02032**	**.00136**	**.11879**	**-.00016**	**-.00339**	**1.6638**	**3.5604**	**.00199**	**.16702**	**.00010**
Stddev	.00021	.00017	.00187	.00110	.00026	.0101	.0216	.00041	.00363	.00180
%RSD	1.0151	12.223	1.5729	672.12	7.5719	.60730	.60730	20.500	2.1745	1761.5
#1	.02017	.00124	.12011	-.00094	-.00357	1.6709	3.5757	.00228	.16959	.00137
#2	.02046	.00148	.11747	.00061	-.00321	1.6566	3.5451	.00170	.16446	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00094**	**.00439**	**-.00025**	**.00858**	**.00368**
Stddev	.00001	.00095	.01328	.00061	.00019	.00182
%RSD	509.94	101.61	302.58	248.13	2.2531	49.469
#1	-.00001	.00161	-.00500	.00019	.00872	.00497
#2	.00001	.00026	.01378	-.00068	.00845	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6665.9**	**97560.**	**5183.9**
Stddev	8.7	69.	68.8
%RSD	.13095	.07086	1.3279
#1	6659.8	97511.	5135.3
#2	6672.1	97609.	5232.6

Sample Name: 280-49038-c-1-b ms Acquired: 11/16/2013 5:37:21 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**1.9767**	**1.1085**	**1.1151**	**3.1652**	**.04952**	F **2.0970**	**55.410**	**.10088**	**.48424**
Stddev	.00022	.0005	.0017	.0058	.0148	.00028	.0115	.319	.00066	.00033
%RSD	.44584	.02726	.15151	.52378	.46784	.56697	.55019	.57544	.65614	.06725
#1	.05021	1.9771	1.1097	1.1192	3.1756	.04972	2.1052	55.635	.10134	.48447
#2	.04989	1.9763	1.1073	1.1110	3.1547	.04932	2.0889	55.184	.10041	.48401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47760**	**.26568**	**3.3354**	**67.233**	**1.2244**	**46.664**	**.52606**	**1.0471**	W **901.06**	**.50632**
Stddev	.00147	.00016	.0218	.175	.0048	.117	.00040	.0036	5.05	.00149
%RSD	.30797	.05864	.65418	.26036	.39024	.25166	.07568	.34730	.56004	.29511
#1	.47864	.26557	3.3508	67.357	1.2277	46.581	.52578	1.0497	904.63	.50737
#2	.47656	.26579	3.3200	67.109	1.2210	46.747	.52634	1.0446	897.49	.50526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.906**	**.50459**	**.32672**	**.50951**	**2.1851**	**18.459**	**39.502**	W **2.0150**	**1.8286**	**.93633**
Stddev	.042	.00184	.00197	.00244	.0141	.133	.284	.0095	.0091	.00020
%RSD	.38881	.36563	.60218	.47976	.64311	.71892	.71892	.47375	.49653	.02186
#1	10.936	.50329	.32811	.51124	2.1951	18.553	39.702	2.0217	1.8351	.93619
#2	10.876	.50590	.32532	.50779	2.1752	18.365	39.301	2.0082	1.8222	.93647
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95801**	**1.7570**	**2.2935**	**.49834**	**.48860**	**.47824**
Stddev	.00063	.0129	.0018	.00130	.00155	.00135
%RSD	.06566	.73439	.07961	.26095	.31642	.28240
#1	.95846	1.7662	2.2948	.49926	.48750	.47919
#2	.95757	1.7479	2.2922	.49742	.48969	.47728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6291.8**	**90674.**	**5145.3**
Stddev	9.7	125.	24.4
%RSD	.15338	.13809	.47396
#1	6285.0	90585.	5128.1
#2	6298.6	90762.	5162.5

Sample Name: 280-49038-c-1-c msd Acquired: 11/16/2013 5:39:33 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04909**	**1.9725**	**1.1093**	**1.1204**	**3.2001**	**.04982**	F **2.0987**	**55.816**	**.10127**	**.48520**
Stddev	.00002	.0039	.0011	.0044	.0373	.00016	.0109	.730	.00056	.00266
%RSD	.05056	.19718	.09978	.39256	1.1648	.31273	.52038	1.3080	.55223	.54743
#1	.04910	1.9698	1.1085	1.1235	3.1738	.04993	2.1065	55.299	.10166	.48332
#2	.04907	1.9753	1.1101	1.1173	3.2265	.04971	2.0910	56.332	.10087	.48708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48080**	**.26618**	**3.3736**	**68.070**	**1.2322**	**46.596**	**.52453**	**1.0510**	W **924.07**	**.50822**
Stddev	.00157	.00018	.0176	.686	.0119	.085	.00122	.0040	10.54	.00148
%RSD	.32719	.06732	.52311	1.0079	.96447	.18299	.23243	.37907	1.1408	.29219
#1	.47969	.26605	3.3611	67.585	1.2238	46.536	.52366	1.0481	916.61	.50927
#2	.48191	.26630	3.3861	68.556	1.2406	46.657	.52539	1.0538	931.52	.50717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.894**	**.50606**	**.32926**	**.50905**	**2.1682**	**18.704**	**40.026**	W **2.0065**	**1.8524**	**.93609**
Stddev	.033	.00371	.00062	.00487	.0023	.037	.079	.0105	.0233	.00069
%RSD	.30436	.73286	.18735	.95714	.10689	.19833	.19833	.52542	1.2556	.07357
#1	10.870	.50868	.32883	.51250	2.1698	18.677	39.970	2.0139	1.8359	.93561
#2	10.917	.50344	.32970	.50561	2.1665	18.730	40.082	1.9990	1.8688	.93658
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95410**	**1.7477**	**2.2821**	**.49525**	**.48658**	**.47654**
Stddev	.00181	.0084	.0257	.00018	.00014	.00052
%RSD	.19015	.48181	1.1261	.03605	.02887	.10833
#1	.95282	1.7536	2.3002	.49538	.48668	.47617
#2	.95538	1.7417	2.2639	.49512	.48648	.47690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6266.8**	**90442.**	**5087.3**
Stddev	9.9	7.	76.5
%RSD	.15863	.00759	1.5031
#1	6273.8	90437.	5141.4
#2	6259.7	90447.	5033.2

Sample Name: CCVH-2382126 Acquired: 11/16/2013 5:41:45 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00882**	**49.893**	**.00091**	**.00734**	**.00211**	**-.00011**	**1.0417**	**.02473**	**.00063**	**-.00064**	**.00022**	**.02085**
Stddev	.00003	.864	.00051	.00021	.00003	.00000	.0072	.00506	.00004	.00018	.00011	.00031
%RSD	.30224	1.7323	56.466	2.8343	1.2979	1.8784	.69317	20.469	6.5237	27.795	51.959	1.4831
#1	-.00884	50.504	.00055	.00749	.00209	-.00011	1.0366	.02830	.00060	-.00077	.00030	.02107
#2	-.00880	49.282	.00127	.00719	.00212	-.00011	1.0468	.02115	.00066	-.00052	.00014	.02063
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.764**	**.20517**	**.00452**	**.07971**	**.00114**	**.00433**	F **292.40**	**-.00064**	**.00629**	**.00367**	**4.9980**	**-.00316**
Stddev	.225	.02227	.00014	.00460	.00007	.00082	3.46	.00024	.00006	.00104	.0095	.00070
%RSD	.47205	10.856	3.1568	5.7767	6.2715	19.035	1.1833	37.422	.88850	28.228	.19045	22.106
#1	47.924	.22092	.00462	.08297	.00119	.00375	294.85	-.00081	.00625	.00440	4.9913	-.00365
#2	47.605	.18942	.00442	.07646	.00109	.00492	289.95	-.00047	.00633	.00294	5.0047	-.00266
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.02155**	**.04611**	**.00108**	**.00105**	W **4.6149**	**.01796**	**.00230**	F **11.349**	**.00400**	**.00185**	**-.07623**
Stddev	.00292	.01225	.02621	.00084	.00020	.0085	.00011	.00086	.024	.00006	.00005	.00057
%RSD	2756.2	56.836	56.836	78.006	19.005	.18413	.58591	37.430	.21365	1.4461	2.8697	.74315
#1	.00196	.03020	.06464	.00168	.00119	4.6209	.01789	.00169	11.332	.00396	.00188	-.07663
#2	-.00217	.01289	.02758	.00048	.00091	4.6088	.01804	.00290	11.367	.00405	.00181	-.07583
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6815.0**	**97674.**	**5140.4**
Stddev	6.1	213.	56.4
%RSD	.08985	.21828	1.0966
#1	6819.3	97824.	5100.5
#2	6810.7	97523.	5180.2

Sample Name: CCV-2372889 Acquired: 11/16/2013 5:44:04 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49030**	**.52493**	**1.0463**	**.53622**	**.51733**	**.49487**	**-.00888**	**5.0178**	**.50390**	**.51072**	**.52531**	**.50146**	**2.4544**
Stddev	.00031	.00035	.0013	.00307	.00041	.00121	.00077	.0123	.00227	.00061	.00090	.00024	.0209
%RSD	.06282	.06689	.12583	.57255	.07948	.24379	8.6864	.24550	.45060	.11899	.17140	.04857	.85231
#1	.49051	.52518	1.0472	.53840	.51704	.49401	-.00833	5.0090	.50230	.51029	.52468	.50163	2.4692
#2	.49008	.52468	1.0454	.53405	.51762	.49572	-.00942	5.0265	.50551	.51115	.52595	.50129	2.4396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.976**	**1.0923**	**18.735**	**.49411**	**.52233**	F **5.8818**	**.53703**	**1.0362**	**1.0863**	**.05189**	**1.0388**	**1.0667**	**4.8393**
Stddev	.008	.0012	.010	.00023	.00102	.0140	.00164	.0031	.0002	.00352	.0024	.0019	.0051
%RSD	.01407	.10900	.05287	.04680	.19598	.23718	.30495	.30087	.01649	6.7823	.22790	.17714	.10604
#1	57.981	1.0932	18.728	.49395	.52305	5.8916	.53819	1.0385	1.0864	.05438	1.0405	1.0680	4.8356
#2	57.970	1.0915	18.742	.49428	.52160	5.8719	.53587	1.0340	1.0861	.04940	1.0371	1.0654	4.8429
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000					5.0000							
Range	10.490%					10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.356**	**1.0388**	**.49629**	**.00711**	**.46388**	**1.0326**	**-.01425**	**.48415**	**.46638**	**.47793**
Stddev	.011	.0023	.00102	.00089	.00018	.0005	.01726	.00083	.00007	.00427
%RSD	.10604	.22550	.20521	12.473	.03974	.04992	121.09	.17100	.01424	.89308
#1	10.348	1.0405	.49557	.00648	.46401	1.0329	-.00205	.48357	.46633	.47492
#2	10.364	1.0372	.49701	.00774	.46375	1.0322	-.02646	.48474	.46642	.48095
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6757.5**	**99793.**	**5169.6**
Stddev	11.9	82.	16.7
%RSD	.17589	.08261	.32391
#1	6765.9	99735.	5181.5
#2	6749.1	99852.	5157.8

Sample Name: CCB Acquired: 11/16/2013 5:46:12 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00074**	**.00147**	W **.00442**	**.00055**	**.00012**	**-.00156**	**.00236**	**.00008**	**-.00009**	**.00005**
Stddev	.00022	.00017	.00008	.00011	.00009	.00004	.00067	.00158	.00016	.00011	.00008
%RSD	56.288	23.079	5.5424	2.4797	15.955	33.748	43.039	67.062	203.13	121.67	146.09
#1	-.00024	.00062	.00141	.00449	.00049	.00015	-.00108	.00124	.00019	-.00017	.00000
#2	-.00055	.00086	.00153	.00434	.00061	.00009	-.00203	.00348	-.00003	-.00001	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00138**	**.00125**	**.09010**	**.00054**	**.00174**	**.00003**	**.00226**	F **.37555**	**.00016**	**-.00006**	**.00055**
Stddev	.00016	.00024	.00514	.00231	.00211	.00002	.00046	.00245	.00007	.00081	.00002
%RSD	11.215	19.475	5.7079	431.87	121.46	45.221	20.182	.65247	46.166	1388.2	3.3249
#1	-.00149	.00108	.08647	.00217	.00025	.00002	.00194	.37729	.00011	.00051	.00054
#2	-.00127	.00142	.09374	-.00110	.00324	.00004	.00258	.37382	.00021	-.00063	.00056
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04541**	**.00229**	**.00334**	**-.00184**	**-.00394**	**.00083**	**.00020**	**.00179**	**-.00004**	**.00053**	**.00247**
Stddev	.00100	.00089	.00332	.02458	.05261	.00032	.00004	.00049	.00018	.00076	.04253
%RSD	2.2026	38.741	99.444	1336.3	1336.3	39.044	19.343	27.616	451.51	142.74	1719.9
#1	.04612	.00166	.00099	.01554	.03326	.00060	.00022	.00213	-.00016	.00107	-.02760
#2	.04471	.00292	.00568	-.01922	-.04113	.00106	.00017	.00144	.00009	.00000	.03255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00049**	**.00287**	W **.00347**
Stddev	.00031	.00006	.00027
%RSD	62.361	1.9623	7.9273
#1	-.00027	.00283	.00366
#2	-.00070	.00291	.00327
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6909.7**	**103230.**	**5129.6**
Stddev	33.4	130.	22.0
%RSD	.48302	.12586	.42949
#1	6933.3	103330.	5114.0
#2	6886.1	103140.	5145.2

Sample Name: CCVL2383195 Acquired: 11/16/2013 5:48:31 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00981**	**.11070**	**.01603**	**.11107**	**.01088**	**.00103**	**.12286**	**.20899**	**.00540**	**.01084**	**.01089**	**.01419**	**.09923**
Stddev	.00027	.00032	.00022	.00059	.00001	.00006	.00243	.00042	.00004	.00005	.00011	.00029	.00103
%RSD	2.7962	.28682	1.3573	.53399	.12341	5.3601	1.9762	.20059	.73421	.46837	.97433	2.0679	1.0378
#1	.01001	.11092	.01588	.11149	.01087	.00107	.12458	.20929	.00543	.01087	.01081	.01398	.09851
#2	.00962	.11047	.01619	.11065	.01089	.00100	.12114	.20870	.00537	.01080	.01096	.01439	.09996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5554**	**.01091**	**.20058**	**.01023**	**.02110**	F **1.4062**	**.04422**	**3.0736**	**.01083**	**.03797**	**.01126**	**.01810**	**.47111**
Stddev	.0080	.00354	.00136	.00004	.00013	.0148	.00029	.0234	.00034	.00224	.00153	.00001	.00179
%RSD	.22494	32.454	.67920	.35576	.61584	1.0555	.64982	.76285	3.1484	5.8905	13.582	.06074	.38004
#1	3.5610	.01341	.20155	.01020	.02119	1.4167	.04443	3.0902	.01058	.03955	.01018	.01809	.46984
#2	3.5497	.00840	.19962	.01025	.02101	1.3957	.04402	3.0570	.01107	.03639	.01235	.01810	.47237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0082**	**.10857**	**.01022**	**.01306**	**.00891**	**.01687**	F **.08818**	**.00945**	**.02232**	**.01721**
Stddev	.0038	.00140	.00007	.00080	.00016	.00058	.03724	.00037	.00014	.00246
%RSD	.38004	1.2915	.64388	6.0942	1.8368	3.4377	42.236	3.8862	.64065	14.310
#1	1.0055	.10956	.01026	.01362	.00879	.01646	.06185	.00919	.02242	.01895
#2	1.0109	.10758	.01017	.01249	.00902	.01729	.11452	.00971	.02222	.01547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.7**	**102670.**	**5095.1**
Stddev	4.9	39.	7.8
%RSD	.07067	.03754	.15244
#1	6902.3	102700.	5089.6
#2	6909.2	102640.	5100.6

Sample Name: 280-49081-a-1-a Acquired: 11/16/2013 5:50:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02445**	**.38031**	**.00653**	**1.6558**	**.00057**	**-.00004**	**-.00003**	**2.0060**	**.00182**	**.00034**
Stddev	.00019	.00560	.00236	.0091	.00013	.00003	.00112	.0314	.00028	.00011
%RSD	.75844	1.4724	36.165	.55209	23.452	70.634	4321.8	1.5673	15.201	31.384
#1	.02459	.38427	.00486	1.6622	.00047	-.00006	.00077	1.9838	.00162	.00027
#2	.02432	.37635	.00819	1.6493	.00066	-.00002	-.00082	2.0282	.00201	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13636**	**.04960**	**.01172**	**47.816**	**.05077**	**1.3632**	**.00092**	**.02818**	F **10890.**	**.30426**
Stddev	.00100	.00065	.00136	2.119	.00033	.0162	.00007	.00003	79.	.00233
%RSD	.73022	1.3013	11.635	4.4309	.65737	1.1845	7.4554	.11326	.72610	.76660
#1	.13706	.04915	.01076	46.318	.05053	1.3517	.00087	.02816	10834.	.30591
#2	.13565	.05006	.01268	49.315	.05100	1.3746	.00096	.02820	10946.	.30261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **859.20**	**-.00042**	F **2407.6**	**.02311**	**.00342**	**6.5449**	**14.006**	**.00174**	**.00871**	**-.00138**
Stddev	15.29	.00060	7.0	.00389	.00421	.1077	.230	.00066	.00005	.00042
%RSD	1.7791	141.77	.29088	16.840	122.97	1.6452	1.6452	38.122	.52852	30.399
#1	870.01	.00000	2412.5	.02036	.00045	6.4688	13.843	.00127	.00867	-.00167
#2	848.39	-.00084	2402.6	.02586	.00639	6.6211	14.169	.00221	.00874	-.00108
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**-.00083**	**.02764**	**.00288**	**.00599**	**.00395**
Stddev	.00031	.00157	.00106	.00026	.00029	.00119
%RSD	75.049	187.70	3.8192	8.9231	4.8989	30.098
#1	.00019	.00027	.02839	.00306	.00620	.00479
#2	.00063	-.00194	.02690	.00270	.00578	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5257.2**	**71797.**	**4829.8**
Stddev	64.9	731.	87.1
%RSD	1.2353	1.0175	1.8027
#1	5211.2	72314.	4891.4
#2	5303.1	71281.	4768.2

Sample Name: 280-49081-a-2-a Acquired: 11/16/2013 5:54:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05150**	**.02928**	**.00068**	**2.3813**	**.00207**	**-.00001**	**-.00275**	**1.8097**	**.00161**	**.00022**
Stddev	.00010	.00028	.00105	.0123	.00021	.00002	.00063	.0047	.00002	.00023
%RSD	.20337	.96437	153.23	.51503	9.9994	317.68	23.090	.25755	1.0209	103.19
#1	.05143	.02908	.00142	2.3726	.00222	-.00002	-.00230	1.8064	.00162	.00006
#2	.05157	.02948	-.00006	2.3900	.00192	.00001	-.00320	1.8130	.00160	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01225**	**.04508**	**.01652**	W **100.95**	**.03680**	**.92089**	**.00081**	**.03161**	W **7416.3**	**.43231**
Stddev	.00021	.00018	.00251	.69	.00035	.00260	.00001	.00060	9.2	.00248
%RSD	1.6909	.39238	15.177	.68661	.94016	.28279	1.5133	1.8958	.12374	.57296
#1	.01210	.04495	.01475	100.46	.03704	.92273	.00082	.03119	7409.9	.43056
#2	.01240	.04520	.01830	101.44	.03655	.91905	.00080	.03203	7422.8	.43406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **734.79**	**-.00037**	F **1276.8**	**.01816**	**.00278**	**5.7718**	**12.352**	**.01053**	**.00826**	**-.00063**
Stddev	4.51	.00128	20.4	.00137	.00426	.0653	.140	.00124	.00001	.00047
%RSD	.61441	346.85	1.5960	7.5416	153.34	1.1312	1.1312	11.725	.09759	74.123
#1	731.60	.00053	1262.4	.01913	.00579	5.7256	12.253	.00966	.00826	-.00030
#2	737.99	-.00127	1291.2	.01719	-.00023	5.8179	12.450	.01141	.00825	-.00096
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00192**	**-.01471**	**.00057**	**.01081**	**.00426**
Stddev	.00047	.00046	.02631	.00001	.00004	.00035
%RSD	192.13	24.021	178.85	1.7465	.34918	8.2144
#1	-.00009	-.00224	.00389	.00057	.01083	.00401
#2	.00058	-.00159	-.03331	.00056	.01078	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5521.6**	**75760.**	**4746.3**
Stddev	30.6	607.	58.3
%RSD	.55456	.80141	1.2292
#1	5543.2	75331.	4787.5
#2	5499.9	76189.	4705.0

Sample Name: 280-49081-a-3-a Acquired: 11/16/2013 5:57:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.20835**	**-.00021**	**.38242**	**.00186**	**-.00002**	**-.00135**	**1.8669**	**.00043**	**-.00011**
Stddev	.00015	.00029	.00074	.00017	.00027	.00007	.00306	.0043	.00003	.00018
%RSD	1.3351	.13997	353.56	.04374	14.754	409.23	227.68	.22838	6.7549	167.78
#1	.01098	.20856	-.00073	.38254	.00166	.00003	.00082	1.8639	.00041	-.00023
#2	.01078	.20814	.00031	.38230	.00205	-.00007	-.00351	1.8699	.00046	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02288**	**.04146**	**.02000**	**40.305**	**.01341**	**5.2029**	**.00066**	**.01234**	W **2424.7**	**.23330**
Stddev	.00015	.00012	.00025	.039	.00123	.0013	.00000	.00001	.1	.00017
%RSD	.67594	.29902	1.2548	.09668	9.1483	.02482	.05860	.06525	.00334	.07420
#1	.02299	.04155	.01982	40.333	.01254	5.2020	.00066	.01233	2424.7	.23342
#2	.02277	.04138	.02018	40.278	.01428	5.2038	.00066	.01234	2424.6	.23317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **193.75**	**-.00087**	F **840.26**	**.00522**	**.00236**	**5.7943**	**12.400**	**.00167**	**.00760**	**.00101**
Stddev	.22	.00014	2.64	.00295	.00210	.0094	.020	.00032	.00002	.00012
%RSD	.11294	16.596	.31467	56.383	88.840	.16188	.16188	18.894	.25329	11.738
#1	193.91	-.00077	842.13	.00731	.00384	5.7877	12.386	.00145	.00762	.00093
#2	193.60	-.00097	838.39	.00314	.00088	5.8009	12.414	.00190	.00759	.00110
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00078**	**-.01288**	**.00078**	**.00709**	**.00508**
Stddev	.00005	.00043	.00692	.00056	.00046	.00030
%RSD	37.777	54.780	53.730	71.986	6.4505	5.8521
#1	-.00010	-.00108	-.01777	.00039	.00741	.00529
#2	-.00017	-.00048	-.00798	.00118	.00676	.00487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6101.6**	**86340.**	**5029.0**
Stddev	10.9	222.	15.2
%RSD	.17945	.25747	.30234
#1	6109.3	86183.	5018.2
#2	6093.9	86497.	5039.7

Sample Name: 280-49081-a-4-a Acquired: 11/16/2013 6:00:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01963**	**.07392**	**-.00059**	**.47637**	**.00199**	**.00003**	**-.00180**	**2.6157**	**.00028**	**-.00019**
Stddev	.00057	.00018	.00049	.00019	.00034	.00005	.00005	.0160	.00006	.00007
%RSD	2.8782	.24860	82.632	.04069	17.065	186.16	2.9519	.61060	21.953	35.103
#1	.01923	.07405	-.00025	.47623	.00175	-.00001	-.00176	2.6270	.00033	-.00023
#2	.02003	.07379	-.00093	.47651	.00223	.00007	-.00183	2.6044	.00024	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01123**	**.05322**	**.02096**	**49.083**	**.02803**	**4.5975**	**.00074**	**.08497**	W **5681.3**	**.47749**
Stddev	.00004	.00024	.00275	.339	.00124	.0267	.00005	.00033	10.2	.00023
%RSD	.35010	.45948	13.142	.69063	4.4258	.58152	6.9604	.39147	.17867	.04783
#1	.01120	.05339	.02290	48.843	.02715	4.5786	.00071	.08520	5674.1	.47733
#2	.01126	.05304	.01901	49.322	.02890	4.6164	.00078	.08473	5688.5	.47765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **212.52**	**.00070**	F **1066.7**	**.00793**	**.00261**	**6.6071**	**14.139**	**.00160**	**.01067**	**-.00291**
Stddev	.54	.00062	5.3	.00012	.00116	.0364	.078	.00028	.00019	.00100
%RSD	.25568	88.259	.49753	1.4771	44.594	.55115	.55115	17.569	1.7926	34.348
#1	212.14	.00026	1062.9	.00801	.00343	6.6329	14.194	.00180	.01054	-.00220
#2	212.91	.00114	1070.4	.00784	.00178	6.5814	14.084	.00141	.01081	-.00362
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00122**	**.03807**	**.00115**	**.00942**	**.00455**
Stddev	.00032	.00091	.01173	.00043	.00007	.00101
%RSD	394.73	74.094	30.807	37.397	.79094	22.101
#1	.00031	-.00058	.04636	.00146	.00947	.00384
#2	-.00014	-.00187	.02978	.00085	.00937	.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5557.5**	**76798.**	**4755.4**
Stddev	40.1	625.	88.2
%RSD	.72187	.81409	1.8545
#1	5529.1	77240.	4693.1
#2	5585.8	76356.	4817.8

Sample Name: 280-49081-a-5-a Acquired: 11/16/2013 6:03:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03390**	**.04236**	**.00339**	**2.4971**	**.00165**	**.00002**	**.00004**	**1.4030**	**.00184**	**.00011**
Stddev	.00006	.00032	.00054	.0164	.00021	.00000	.00075	.0006	.00019	.00004
%RSD	.18593	.74739	16.057	.65485	12.787	9.2236	2126.4	.04253	10.281	35.090
#1	.03385	.04258	.00378	2.5087	.00150	.00002	.00057	1.4035	.00171	.00008
#2	.03394	.04213	.00301	2.4856	.00180	.00002	-.00050	1.4026	.00197	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.01996**	**.01944**	**59.255**	**.03210**	**4.1246**	**.00043**	**.02135**	W **7011.3**	**.46569**
Stddev	.00021	.00018	.00086	.081	.00064	.0286	.00000	.00028	37.9	.00084
%RSD	7.2039	.89227	4.4324	.13625	1.9797	.69406	.43993	1.3270	.54108	.18062
#1	.00272	.02009	.01883	59.198	.03255	4.1044	.00042	.02115	7038.2	.46628
#2	.00301	.01983	.02005	59.312	.03165	4.1449	.00043	.02155	6984.5	.46509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **791.79**	**-.00067**	F **1302.7**	**.01012**	**-.00095**	**5.3765**	**11.506**	**.00065**	**.00562**	**.00029**
Stddev	1.29	.00094	1.2	.00266	.00518	.0040	.008	.00094	.00015	.00088
%RSD	.16301	139.81	.08953	26.265	543.14	.07376	.07376	144.57	2.5905	297.59
#1	792.70	-.00134	1301.9	.00824	-.00461	5.3793	11.512	.00131	.00572	-.00033
#2	790.87	-.00001	1303.6	.01200	.00271	5.3737	11.500	-.00001	.00552	.00092
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00107**	**.02369**	**.00169**	**.00633**	**.00451**
Stddev	.00012	.00116	.01065	.00011	.00002	.00116
%RSD	54.764	108.31	44.963	6.4021	.37251	25.693
#1	.00032	-.00025	.03122	.00177	.00631	.00533
#2	.00014	-.00190	.01616	.00161	.00635	.00369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5640.3**	**77058.**	**4818.4**
Stddev	12.9	649.	1.9
%RSD	.22911	.84171	.03959
#1	5631.1	77517.	4819.8
#2	5649.4	76599.	4817.1

Sample Name: 280-49081-a-6-a@5 Acquired: 11/16/2013 6:06:24 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00650**	**.05289**	**.00001**	**.55801**	**.00117**	**.00001**	**.00115**	**.56739**	**.00113**	**-.00003**
Stddev	.00006	.00021	.00033	.00468	.00046	.00001	.00078	.00562	.00012	.00011
%RSD	.97995	.38924	3047.1	.83934	38.988	53.027	67.159	.98998	10.304	338.88
#1	.00645	.05274	.00024	.56132	.00085	.00001	.00170	.56341	.00122	-.00011
#2	.00654	.05303	-.00022	.55470	.00150	.00002	.00061	.57136	.00105	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**.03295**	**.02506**	**21.703**	**.01696**	**1.0218**	**.00056**	**.00822**	W **3258.6**	**.16286**
Stddev	.00009	.00045	.00226	.307	.00144	.0089	.00006	.00004	18.9	.00100
%RSD	2.4696	1.3797	9.0152	1.4152	8.4973	.87119	10.912	.43410	.57956	.61234
#1	.00384	.03327	.02346	21.486	.01594	1.0281	.00051	.00820	3245.2	.16357
#2	.00371	.03263	.02665	21.920	.01798	1.0155	.00060	.00825	3271.9	.16216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **637.38**	**-.00070**	F **612.45**	**.00222**	**-.00022**	**1.5565**	**3.3310**	**.00248**	**.00224**	**-.00027**
Stddev	.29	.00008	1.74	.00158	.00417	.0083	.0177	.00068	.00014	.00107
%RSD	.04550	11.936	.28402	71.027	1890.1	.53052	.53052	27.495	6.3976	393.67
#1	637.18	-.00064	613.68	.00333	.00273	1.5507	3.3185	.00296	.00214	-.00102
#2	637.59	-.00075	611.22	.00110	-.00317	1.5624	3.3435	.00200	.00234	.00048
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00038**	**.00129**	**.00013**	**.00855**	**.00334**
Stddev	.00015	.00004	.00734	.00049	.00016	.00193
%RSD	27.921	10.310	569.61	388.71	1.8441	57.691
#1	.00042	.00041	.00648	-.00022	.00866	.00470
#2	.00063	.00035	-.00390	.00047	.00844	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5846.8**	**81407.**	**4876.8**
Stddev	7.7	185.	16.4
%RSD	.13124	.22738	.33631
#1	5852.2	81538.	4865.2
#2	5841.4	81276.	4888.4

Sample Name: 280-49081-a-6-a Acquired: 11/16/2013 6:09:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04214**	**.16087**	**.01040**	**2.6291**	**.00390**	**.00011**	**-.00085**	**2.7068**	**.00433**	**.00133**
Stddev	.00018	.00032	.00331	.0059	.00019	.00003	.00204	.0180	.00011	.00039
%RSD	.42904	.19619	31.805	.22253	4.9604	22.674	239.10	.66590	2.6333	29.720
#1	.04227	.16109	.00806	2.6249	.00403	.00013	.00059	2.6940	.00424	.00105
#2	.04201	.16064	.01274	2.6332	.00376	.00009	-.00229	2.7195	.00441	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01768**	**.16487**	**.03687**	W **116.59**	**.08110**	**4.8679**	**.00118**	**.04078**	F **16301.**	**.76042**
Stddev	.00012	.00027	.00048	2.24	.00113	.0300	.00001	.00012	165.	.00242
%RSD	.66780	.16679	1.2950	1.9241	1.3881	.61583	.84732	.29295	1.0136	.31815
#1	.01776	.16506	.03654	115.00	.08030	4.8891	.00117	.04087	16184.	.76213
#2	.01760	.16467	.03721	118.18	.08190	4.8467	.00118	.04070	16417.	.75871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00					10000.	
Low Limit				-.50000					9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **935.46**	**-.00009**	F **2272.9**	**.01344**	**.00523**	**7.8168**	**16.728**	**.00454**	**.01133**	**.00037**
Stddev	15.98	.00024	16.6	.00051	.00059	.0339	.073	.00001	.00013	.00131
%RSD	1.7083	266.20	.73073	3.8068	11.317	.43401	.43401	.24141	1.1489	350.45
#1	946.76	-.00026	2284.7	.01380	.00564	7.7928	16.677	.00455	.01124	.00130
#2	924.16	.00008	2261.2	.01307	.00481	7.8408	16.779	.00454	.01142	-.00055
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**-.00193**	**.00227**	**.00138**	**.01032**	**.00262**
Stddev	.00024	.00163	.02750	.00036	.00032	.00000
%RSD	26.620	84.511	1209.2	25.828	3.0840	.13397
#1	.00107	-.00078	-.01717	.00164	.01009	.00263
#2	.00073	-.00309	.02172	.00113	.01054	.00262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5068.3**	**68415.**	**4551.5**
Stddev	33.1	185.	20.0
%RSD	.65316	.27089	.43900
#1	5044.9	68284.	4537.4
#2	5091.7	68546.	4565.7

Sample Name: 280-49081-a-7-a Acquired: 11/16/2013 6:12:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05250**	**.12095**	**.00334**	**2.1514**	**.00159**	**.00000**	**-.00126**	**1.6497**	**.00278**	**.00073**
Stddev	.00009	.00134	.00056	.0010	.00015	.0001	.00280	.0007	.00020	.00015
%RSD	.16675	1.1102	16.666	.04460	9.2224	7956.1	221.56	.04332	7.0737	20.406
#1	.05243	.12000	.00373	2.1507	.00148	-.00009	-.00324	1.6502	.00264	.00062
#2	.05256	.12190	.00295	2.1520	.00169	.00009	.00071	1.6492	.00292	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01856**	**.04017**	**.03590**	W **130.75**	**.03399**	**2.7647**	**.00076**	**.02193**	W **9720.3**	**.56634**
Stddev	.00033	.00018	.00095	.79	.00014	.0325	.00001	.00018	89.0	.00493
%RSD	1.7741	.44912	2.6447	.60097	.40632	1.1757	1.4696	.83827	.91596	.86963
#1	.01832	.04030	.03657	130.19	.03389	2.7877	.00077	.02180	9657.3	.56285
#2	.01879	.04004	.03523	131.31	.03409	2.7417	.00075	.02206	9783.2	.56982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **855.25**	**-.00096**	F **1763.2**	**.00469**	**.00254**	**6.6567**	**14.245**	**.00155**	**.00649**	**-.00183**
Stddev	9.37	.00039	1.5	.00056	.00334	.0352	.075	.00095	.00011	.00170
%RSD	1.0960	40.382	.08681	12.030	131.47	.52884	.52884	61.347	1.6532	93.030
#1	848.62	-.00123	1764.3	.00429	.00491	6.6318	14.192	.00088	.00642	-.00062
#2	861.88	-.00068	1762.2	.00508	.00018	6.6816	14.299	.00222	.00657	-.00303
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00173**	**.06538**	**.00101**	**.00789**	**.00172**
Stddev	.00011	.00202	.00345	.00014	.00020	.00112
%RSD	16.986	116.90	5.2722	14.023	2.4856	65.128
#1	.00057	-.00030	.06294	.00111	.00775	.00250
#2	.00072	-.00316	.06781	.00091	.00802	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5525.4**	**75124.**	**4831.9**
Stddev	32.1	579.	1.7
%RSD	.58131	.77117	.03475
#1	5548.1	74715.	4830.8
#2	5502.7	75534.	4833.1

Sample Name: CCVH-2382126 Acquired: 11/16/2013 6:16:35 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00847**	**50.103**	**.00030**	**.00855**	**.00101**	**-.00007**	W **1.0583**	**-.00055**	**.00092**	**-.00027**	**.00015**	**.02114**
Stddev	.00022	.435	.00013	.00056	.00010	.00002	.0013	.00032	.00018	.00004	.00010	.00015
%RSD	2.6041	.86730	42.611	6.5417	9.7505	22.491	.11807	57.134	20.077	14.022	70.114	.72080
#1	-.00863	49.795	.00039	.00894	.00108	-.00008	1.0592	-.00078	.00105	-.00029	.00007	.02103
#2	-.00831	50.410	.00021	.00815	.00094	-.00006	1.0574	-.00033	.00079	-.00024	.00022	.02124
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.146**	**.55671**	**.00078**	**.07520**	**.00111**	**.00026**	F **298.91**	**-.00094**	**.21356**	**.00171**	W **5.4491**	**-.00295**
Stddev	.579	.00994	.00010	.00034	.00005	.00001	1.70	.00036	.00761	.00103	.0215	.00206
%RSD	1.2029	1.7847	13.242	.45307	4.8825	3.7500	.57014	37.970	3.5635	60.273	.39444	69.625
#1	47.737	.54969	.00070	.07545	.00115	.00027	297.70	-.00119	.21894	.00098	5.4643	-.00150
#2	48.556	.56374	.00085	.07496	.00107	.00026	300.11	-.00069	.20817	.00244	5.4339	-.00441
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00482**	**-.01288**	**-.02756**	**.00067**	**.00035**	W **4.6295**	**.01749**	**.00221**	F **11.382**	**.00351**	**.00124**	**-.07668**
Stddev	.00291	.02510	.05371	.00020	.00012	.0002	.00026	.00051	.054	.00020	.00017	.00063
%RSD	60.305	194.92	194.92	29.929	33.589	.00463	1.4936	22.855	.47442	5.7732	13.646	.81834
#1	-.00277	-.03063	-.06554	.00081	.00043	4.6296	.01731	.00257	11.420	.00337	.00112	-.07623
#2	-.00688	.00487	.01042	.00053	.00027	4.6293	.01768	.00185	11.344	.00365	.00136	-.07712
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6627.0**	**95527.**	**4931.4**
Stddev	31.6	4.	19.6
%RSD	.47690	.00376	.39698
#1	6604.6	95529.	4945.2
#2	6649.3	95524.	4917.5

Sample Name: CCV-2372889 Acquired: 11/16/2013 6:18:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49434**	**.52533**	**1.0534**	**.53988**	**.53234**	**.50355**	**-.00812**	**5.0525**	**.50760**	**.51391**	**.52854**	**.50672**	**2.4567**
Stddev	.00022	.00418	.0026	.00015	.00374	.00384	.00214	.0104	.00063	.00026	.00065	.00090	.0193
%RSD	.04524	.79518	.24898	.02843	.70279	.76165	26.294	.20515	.12406	.05000	.12319	.17711	.78492
#1	.49450	.52829	1.0515	.53978	.53499	.50627	-.00661	5.0452	.50804	.51373	.52900	.50609	2.4431
#2	.49418	.52238	1.0553	.53999	.52970	.50084	-.00963	5.0599	.50715	.51409	.52808	.50736	2.4703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **60.452**	F **1.1302**	**18.900**	**.49984**	**.52360**	F **8.8097**	**.53472**	F **1.1107**	**1.0909**	**.30139**	**1.0468**	**1.0757**	**4.8589**
Stddev	.517	.0062	.015	.00013	.00283	.2052	.00057	.0074	.0032	.01053	.0084	.0010	.0036
%RSD	.85604	.54914	.08139	.02645	.54061	2.3295	.10594	.66242	.29729	3.4932	.79960	.09091	.07472
#1	60.818	1.1346	18.911	.49974	.52560	8.9548	.53432	1.1159	1.0932	.30883	1.0528	1.0764	4.8563
#2	60.086	1.1258	18.889	.49993	.52160	8.6646	.53512	1.1055	1.0886	.29394	1.0409	1.0750	4.8615
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000		1.0000					
Range	10.490%	10.490%				10.490%		10.490%					

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.398**	**1.0447**	**.50866**	**.00638**	**.47040**	**1.0390**	**.01733**	**.49049**	**.47092**	**.48578**
Stddev	.008	.0026	.00375	.00272	.00003	.0032	.03277	.00091	.00235	.00439
%RSD	.07472	.24938	.73724	42.587	.00689	.31193	189.07	.18576	.49865	.90296
#1	10.393	1.0466	.51131	.00446	.47037	1.0412	.04050	.49113	.47258	.48268
#2	10.404	1.0429	.50601	.00831	.47042	1.0367	-.00584	.48985	.46926	.48888
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6734.3**	**99124.**	**4988.4**
Stddev	16.6	365.	36.6
%RSD	.24579	.36806	.73418
#1	6746.0	98866.	4962.5
#2	6722.6	99382.	5014.2

Sample Name: CCB Acquired: 11/16/2013 6:21:06 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00321**	**.00144**	W **.00510**	**.00030**	**.00000**	**-.00075**	**-.00005**	**.00012**	**.00001**	**.00001**
Stddev	.00055	.00048	.00166	.00030	.00033	.00010	.00077	.00231	.00011	.00023	.00016
%RSD	170.05	14.838	115.40	5.9100	110.00	7981.3	102.01	4974.4	91.150	1878.2	3174.2
#1	-.00071	.00355	.00026	.00531	.00053	.00007	-.00021	-.00168	.00019	.00017	-.00011
#2	.00006	.00288	.00261	.00489	.00007	-.00007	-.00129	.00159	.00004	-.00015	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00169**	**-.00105**	**.19246**	**-.00034**	**-.00034**	**-.00003**	**.00185**	F **2.0653**	**.00039**	F **.25157**	**.00048**
Stddev	.00041	.00067	.00619	.00060	.00061	.00007	.00038	.0186	.00018	.02634	.00077
%RSD	24.128	63.797	3.2169	177.35	177.21	227.16	20.647	.90064	45.858	10.469	161.13
#1	-.00140	-.00058	.18809	.00009	.00009	.00002	.00158	2.0784	.00051	.27020	-.00007
#2	-.00198	-.00153	.19684	-.00076	-.00077	-.00008	.00211	2.0521	.00026	.23295	.00102
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit	.00136							.18320		.02700	
Low Limit	-.00136							-.18320		-.02700	

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.35595**	**.00301**	**.00244**	**-.01749**	**-.03743**	**.00019**	**.00008**	**.00133**	**-.00013**	**-.00008**	**.00415**
Stddev	.02440	.00027	.00241	.03255	.06965	.00004	.00014	.00012	.00001	.00066	.02823
%RSD	6.8539	8.8527	98.817	186.07	186.07	21.976	187.26	9.2856	5.5951	835.77	680.83
#1	.37320	.00282	.00414	-.04050	-.08668	.00022	.00018	.00142	-.00013	-.00054	.02411
#2	.33870	.00320	.00073	.00552	.01182	.00016	-.00002	.00124	-.00012	.00039	-.01582
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.20000										
Low Limit	-.20000										

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00076**	**.00292**	W **.00325**
Stddev	.00047	.00005	.00023
%RSD	62.047	1.8001	6.9923
#1	-.00109	.00288	.00341
#2	-.00043	.00295	.00309
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6873.8**	**102340.**	**4982.2**
Stddev	10.0	696.	28.0
%RSD	.14603	.67982	.56216
#1	6880.9	102830.	4962.4
#2	6866.7	101840.	5002.0

Sample Name: CCVL2383195 Acquired: 11/16/2013 6:23:31 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01024**	**.11239**	**.01387**	**.11522**	**.01103**	**.00112**	**.12669**	**.21513**	**.00544**	**.01103**	**.01128**	**.01507**	**.10574**
Stddev	.00007	.00008	.00206	.00012	.00028	.00007	.00007	.00011	.00017	.00002	.00015	.00053	.00027
%RSD	.72594	.06741	14.878	.10204	2.5318	6.2846	.05610	.04956	3.0852	.15223	1.3066	3.5230	.25889
#1	.01019	.11244	.01533	.11514	.01123	.00117	.12664	.21520	.00532	.01104	.01138	.01545	.10555
#2	.01030	.11233	.01241	.11531	.01083	.00107	.12674	.21505	.00556	.01101	.01118	.01470	.10593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **3.9053**	**.01078**	**.20596**	**.01045**	**.02143**	F **3.0117**	**.04559**	**3.1955**	**.01094**	**.17468**	**.01094**	**.01740**	**.49035**
Stddev	.0336	.00026	.00160	.00003	.00004	.0830	.00014	.0013	.00092	.00260	.00228	.00231	.00874
%RSD	.85902	2.3810	.77846	.26090	.18857	2.7563	.31402	.03914	8.4471	1.4867	20.845	13.269	1.7825
#1	3.9290	.01097	.20710	.01047	.02146	3.0704	.04548	3.1946	.01029	.17652	.00933	.01903	.48417
#2	3.8816	.01060	.20483	.01043	.02140	2.9530	.04569	3.1964	.01159	.17285	.01255	.01577	.49653
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	3.0000					1.0000							
Range	30.000%					30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0494**	**.11335**	**.01040**	**.01399**	**.00995**	**.01639**	**.07719**	**.00950**	**.02308**	**.01721**
Stddev	.0187	.00080	.00002	.00041	.00034	.00000	.01619	.00002	.00019	.00276
%RSD	1.7825	.70765	.20032	2.9340	3.3811	.01670	20.974	.22790	.82745	16.058
#1	1.0361	.11392	.01042	.01428	.01018	.01638	.08863	.00952	.02322	.01526
#2	1.0626	.11278	.01039	.01370	.00971	.01639	.06574	.00949	.02295	.01917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.3**	**102320.**	**4945.4**
Stddev	41.4	4.	19.3
%RSD	.60366	.00402	.39044
#1	6892.6	102320.	4931.7
#2	6834.0	102320.	4959.0

Sample Name: lb 280-200889/1-b Acquired: 11/16/2013 6:25:52 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00065**	F **.00240**	F **-.00098**	F **.00751**	F **.00250**	F **-.00004**	F **-.00108**	F **.12630**	F **.00000**	F **-.00044**	F **.00012**	F **.00454**
Stddev	.00002	.00020	.00005	.00008	.00043	.00005	.00024	.00234	.00003	.00022	.00001	.00064
%RSD	2.8780	8.5334	4.9010	1.0051	17.336	130.16	21.831	1.8555	1645.5	49.498	9.7798	13.986
#1	-.00066	.00225	-.00101	.00746	.00220	-.00008	-.00125	.12465	-.00002	-.00059	.00013	.00499
#2	-.00063	.00254	-.00094	.00757	.00281	.00000	-.00091	.12796	.00002	-.00029	.00011	.00409
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00549**	F **.28643**	F **-.00009**	F **.00778**	F **.00029**	F **.00012**	**383.37**	F **.00016**	F **.02526**	F **-.00022**	**.18457**	F **-.00118**
Stddev	.00347	.00500	.00178	.00178	.00000	.00006	1.27	.00004	.00181	.00116	.00865	.00041
%RSD	63.326	1.7445	1884.4	22.832	.38457	48.088	.33227	23.814	7.1647	528.73	4.6846	34.492
#1	.00794	.28290	-.00136	.00903	.00029	.00017	384.27	.00019	.02654	.00060	.19069	-.00147
#2	.00303	.28996	.00117	.00652	.00029	.00008	382.47	.00013	.02398	-.00104	.17846	-.00089
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	.10000	3.0000	.01000	.20000	.01000	.02000		.04000	3.0000	.00900		.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%		-30.000%	-30.000%	-30.000%		-30.000%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00411**	F **-.01048**	F **-.02243**	F **.00042**	F **.00043**	F **.00039**	F **-.00040**	F **.00035**	F **.01383**	F **-.00050**	F **.00696**	F **.00543**
Stddev	.00056	.02636	.05640	.00018	.00011	.00134	.00006	.00012	.02578	.00008	.00002	.00066
%RSD	13.720	251.45	251.45	42.120	25.878	341.36	14.941	35.004	186.45	16.845	.27485	12.197
#1	.00371	.00816	.01745	.00054	.00035	.00134	-.00044	.00026	-.00440	-.00044	.00695	.00589
#2	.00451	-.02912	-.06231	.00029	.00050	-.00055	-.00036	.00044	.03205	-.00056	.00697	.00496
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.50000	1.0700	.10000	.01000	.01500	.01000	.01500	.06000	.01000	.02000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6383.7**	**94151.**	**4944.0**
Stddev	26.7	469.	52.5
%RSD	.41814	.49861	1.0628
#1	6402.6	93819.	4906.8
#2	6364.9	94483.	4981.1

Sample Name: lcs 280-200889/2-b Acquired: 11/16/2013 6:28:23 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .23479	F .44562	F .97621	F .23744	F 2.8086	F .01088	F .47041	F 10.852	F .24970	F .11070
Stddev	.00014	.00054	.00290	.00053	.0083	.00005	.00362	.022	.00052	.00006
%RSD	.05975	.12206	.29755	.22469	.29619	.43056	.76888	.19863	.20975	.05657
#1	.23489	.44524	.97416	.23706	2.8027	.01084	.46786	10.837	.24933	.11065
#2	.23469	.44601	.97826	.23782	2.8145	.01091	.47297	10.868	.25007	.11074
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000
Low Limit	-.01000	-.10000	-.01500	-.10000	-.01000	-.00100	-.10000	-.20000	-.00500	-.01000

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.2071	F .51143	F .21878	F 13.989	F .25572	F 9.9430	F .10940	F .23388	384.38	F .11612
Stddev	.0023	.00116	.00075	.027	.00067	.0114	.00025	.00047	1.03	.00027
%RSD	.18958	.22745	.34239	.19113	.26350	.11427	.23163	.20220	.26815	.23429
#1	1.2054	.51061	.21825	14.008	.25525	9.9350	.10958	.23355	383.65	.11593
#2	1.2087	.51226	.21931	13.970	.25620	9.9511	.10923	.23422	385.11	.11632
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
High Limit	.01000	.01500	.10000	3.0000	.01000	.20000	.01000	.02000		.04000
Low Limit	-.01000	-.01500	-.10000	-3.0000	-.01000	-.20000	-.01000	-.02000		-.04000

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.4036	F 1.2939	F .15662	F .10034	F .73806	F 2.1459	4.5921	F .45629	F .22234	F .20438
Stddev	.0020	.0047	.00236	.00202	.00083	.0144	.0308	.00212	.00102	.00260
%RSD	.08414	.36558	1.5043	2.0135	.11221	.67177	.67177	.46503	.45706	1.2711
#1	2.4022	1.2905	.15828	.10177	.73748	2.1357	4.5703	.45479	.22162	.20622
#2	2.4050	1.2972	.15495	.09891	.73865	2.1560	4.6139	.45779	.22306	.20254
Check ?	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
High Limit	1.5000	.00900	.10000	.01000	.01500	.50000		.10000	.01000	.01500
Low Limit	-1.5000	-.00300	-.10000	-.01000	-.01500	-.50000		-.10000	-.01000	-.01500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .21147	F .41632	F .53069	F .11282	F .53720	F .10762
Stddev	.00136	.00064	.03773	.00048	.00101	.00111
%RSD	.64420	.15395	7.1092	.42426	.18737	1.0318
#1	.21050	.41677	.50402	.11248	.53649	.10684
#2	.21243	.41587	.55737	.11316	.53791	.10841
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.01000	.01500	.06000	.01000	.02000	.01500
Low Limit	-.01000	-.01500	-.06000	-.01000	-.02000	-.01500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6424.6	94168.	5019.2
Stddev	10.0	397.	6.4
%RSD	.15584	.42178	.12798
#1	6417.5	94449.	5014.6
#2	6431.7	93887.	5023.7

Sample Name: 280-49119-b-1-b Acquired: 11/16/2013 6:30:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00053	F .05788	F .00290	F .01907	F .23993	F -.00004	-.00102	F 92.429	F .00041	F -.00035
Stddev	.00019	.00049	.00106	.00019	.00228	.00002	.00086	.620	.00013	.00015
%RSD	36.117	.83941	36.639	1.0007	.95144	45.520	84.910	.67069	31.965	42.257
#1	-.00040	.05754	.00365	.01894	.24155	-.00003	-.00041	92.867	.00050	-.00025
#2	-.00067	.05822	.00215	.01921	.23832	-.00005	-.00163	91.991	.00032	-.00046
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	2.2299	1.1050	1.1050	2.2499	.05650		55.500	.11100	.55500
Low Limit	.04275	1.7300	.87500	.86000	1.7900	.04450		44.750	.08800	.44500

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00031	F .00219	F .03693	F 3.2066	F .00307	F 3.0921	F .07820	F .00119	F 416.47	F .00047
Stddev	.00001	.00022	.00128	.0092	.00070	.0087	.00045	.00044	4.02	.00016
%RSD	3.2752	9.8448	3.4578	.28698	22.678	.28123	.57615	37.093	.96434	35.025
#1	.00030	.00234	.03603	3.2131	.00356	3.0983	.07852	.00088	419.31	.00035
#2	.00032	.00203	.03784	3.2001	.00258	3.0860	.07788	.00150	413.63	.00059
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.22600	.28000	1.1500	57.000	1.1400	56.500	.55000	1.1000	56.000	.55500
Low Limit	.17900	.21500	.89000	44.500	.89000	46.000	.45000	.90000	45.500	.44500

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .26527	F .17109	.18099	F .00557	F .00596	F .71426	1.5285	F .00047	F .14150	F .00066
Stddev	.00282	.00161	.00390	.00121	.00033	.01778	.0381	.00070	.00138	.00012
%RSD	1.0622	.94337	2.1568	21.761	5.4933	2.4899	2.4899	148.91	.97649	18.342
#1	.26726	.16995	.18375	.00471	.00573	.70169	1.5016	-.00002	.14248	.00057
#2	.26328	.17223	.17823	.00643	.00619	.72684	1.5554	.00096	.14053	.00074
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
High Limit	11.100	.55000		.55499	2.2400	11.000		2.2600	1.1100	1.2000
Low Limit	9.1000	.44500		.44000	1.7000	9.0000		1.7000	.90000	.80000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00038	F -.00056	F .00102	F -.00079	F .01343	F .00461
Stddev	.00007	.00035	.01157	.00003	.00045	.00035
%RSD	19.342	63.054	1132.7	3.8486	3.3538	7.6954
#1	.00032	-.00031	-.00716	-.00077	.01311	.00486
#2	.00043	-.00081	.00920	-.00081	.01375	.00436
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	1.1100	2.2000	2.3000	.55500	.55500	.57500
Low Limit	.90000	1.7600	1.7000	.45000	.42500	.42500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6351.7	92917.	4932.6
Stddev	37.6	233.	54.5
%RSD	.59172	.25052	1.1058
#1	6378.2	92753.	4894.0
#2	6325.1	93082.	4971.1

Sample Name: 280-49119-b-2-b Acquired: 11/16/2013 6:33:07 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.41250**	**.00230**	**.01471**	**.19522**	**.00012**	**-.00203**	**20.782**	**.00043**	**.00040**
Stddev	.00056	.00040	.00128	.00008	.00197	.00006	.00197	.218	.00008	.00008
%RSD	90.619	.09620	55.652	.56133	1.0095	50.402	96.954	1.0478	19.704	19.178
#1	-.00022	.41278	.00321	.01465	.19661	.00016	-.00064	20.936	.00049	.00045
#2	-.00102	.41222	.00140	.01477	.19382	.00008	-.00342	20.628	.00037	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00342**	**.07867**	**2.3219**	**.00232**	**1.2195**	**.07016**	**.00007**	**366.49**	**.00154**
Stddev	.00009	.00043	.00010	.0250	.00092	.0039	.00025	.00010	3.98	.00029
%RSD	32.441	12.464	.12432	1.0786	39.579	.31882	.35175	143.85	1.0873	18.805
#1	.00034	.00311	.07874	2.3042	.00297	1.2168	.06999	.00000	369.31	.00133
#2	.00021	.00372	.07860	2.3396	.00167	1.2223	.07034	.00014	363.67	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14738**	**3.4267**	**.16838**	**.00051**	**.00215**	**1.1065**	**2.3679**	**.00022**	**.03601**	**.00134**
Stddev	.00102	.0045	.00028	.00218	.00079	.0067	.0143	.00025	.00015	.00076
%RSD	.68897	.13010	.16426	429.65	36.538	.60577	.60577	111.77	.40318	56.690
#1	.14667	3.4299	.16858	-.00103	.00159	1.1112	2.3780	.00005	.03591	.00080
#2	.14810	3.4236	.16819	.00205	.00270	1.1018	2.3578	.00039	.03611	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**-.00138**	**.01705**	**-.00038**	**.02815**	**.00256**
Stddev	.00036	.00134	.00547	.00007	.00070	.00310
%RSD	23.924	96.991	32.078	19.513	2.4760	121.04
#1	.00124	-.00233	.01318	-.00043	.02766	.00475
#2	.00175	-.00043	.02091	-.00032	.02864	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6494.9**	**95566.**	**4999.7**
Stddev	4.0	494.	55.8
%RSD	.06191	.51701	1.1170
#1	6497.8	95916.	4960.2
#2	6492.1	95217.	5039.2

Sample Name: 280-49119-b-3-b Acquired: 11/16/2013 6:35:33 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.06245**	**.00025**	**.01182**	**.30392**	**.00001**	**-.00202**	**66.849**	**.00066**	**-.00007**
Stddev	.00030	.00045	.00050	.00005	.00378	.00011	.00169	.960	.00013	.00010
%RSD	165.51	.71393	196.81	.41420	1.2424	868.49	83.885	1.4359	19.066	139.73
#1	.00003	.06214	-.00010	.01186	.30659	-.00006	-.00322	67.528	.00057	-.00015
#2	-.00040	.06277	.00061	.01179	.30125	.00009	-.00082	66.170	.00075	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00187**	**.02816**	**1.9944**	**.00198**	**18.462**	**.37537**	**-.00026**	**382.91**	**.00078**
Stddev	.00016	.00058	.00054	.0153	.00202	.060	.00096	.00001	6.54	.00030
%RSD	89.723	31.153	1.9008	.76752	102.12	.32345	.25654	5.0776	1.7079	38.774
#1	.00029	.00146	.02854	2.0052	.00055	18.420	.37469	-.00027	387.53	.00057
#2	.00006	.00228	.02778	1.9836	.00340	18.505	.37605	-.00025	378.28	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10944**	**.02534**	**.22420**	**.00033**	**.00074**	**.73866**	**1.5807**	**.00033**	**.06079**	**.00030**
Stddev	.00144	.00174	.00062	.00074	.00355	.00852	.0182	.00027	.00051	.00167
%RSD	1.3134	6.8775	.27698	223.28	476.85	1.1536	1.1536	81.325	.84097	558.20
#1	.10842	.02411	.22377	-.00019	-.00177	.74469	1.5936	.00053	.06115	-.00088
#2	.11046	.02657	.22464	.00085	.00326	.73264	1.5678	.00014	.06042	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00109**	**.01598**	**-.00027**	**.00832**	**.00366**
Stddev	.00036	.00011	.01121	.00027	.00015	.00000
%RSD	72.011	10.423	70.127	100.36	1.7654	.13340
#1	.00076	-.00101	.02391	-.00008	.00822	.00366
#2	.00025	-.00117	.00806	-.00046	.00842	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6469.8**	**94695.**	**4948.8**
Stddev	18.4	150.	98.2
%RSD	.28421	.15882	1.9851
#1	6482.8	94588.	4879.3
#2	6456.8	94801.	5018.2

Sample Name: 280-49119-b-4-b Acquired: 11/16/2013 6:38:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.24283**	**-.00206**	**.01213**	**.29393**	**.00006**	**-.00062**	**79.492**	**.00057**	**.00040**
Stddev	.00038	.00028	.00040	.00001	.00344	.00003	.00143	.626	.00006	.00010
%RSD	71.659	.11553	19.484	.06901	1.1696	47.924	232.99	.78783	10.664	24.092
#1	-.00080	.24264	-.00234	.01213	.29636	.00004	.00040	79.935	.00053	.00047
#2	-.00026	.24303	-.00178	.01214	.29150	.00007	-.00163	79.049	.00061	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00354**	**.03112**	**3.5105**	**-.00023**	**1.9264**	**.06713**	**-.00032**	**382.90**	**.00536**
Stddev	.00013	.00010	.00070	.0333	.00152	.0030	.00008	.00009	2.76	.00028
%RSD	65.268	2.8561	2.2465	.94845	667.49	.15773	.11609	29.999	.71964	5.1763
#1	.00010	.00361	.03161	3.5340	.00085	1.9242	.06707	-.00038	384.85	.00556
#2	.00028	.00347	.03062	3.4869	-.00131	1.9285	.06718	-.00025	380.96	.00517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03436**	**2.6272**	**.16928**	**.00095**	**.00053**	**1.1063**	**2.3675**	**.00064**	**.09351**	**.00085**
Stddev	.00043	.0027	.00441	.00017	.00290	.0041	.0087	.00037	.00044	.00150
%RSD	1.2618	.10454	2.6028	17.446	546.78	.36746	.36746	57.636	.47319	176.38
#1	.03467	2.6253	.17239	.00084	.00258	1.1034	2.3614	.00090	.09382	-.00021
#2	.03405	2.6292	.16616	.00107	-.00152	1.1092	2.3737	.00038	.09320	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00055**	**-.01694**	**-.00056**	**.02200**	**.00248**
Stddev	.00012	.00121	.03250	.00005	.00003	.00035
%RSD	27.056	220.40	191.89	8.5394	.14244	14.046
#1	.00035	-.00031	.00604	-.00059	.02198	.00224
#2	.00052	.00141	-.03992	-.00052	.02202	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6416.2**	**94269.**	**4882.8**
Stddev	33.1	196.	37.0
%RSD	.51510	.20776	.75687
#1	6392.8	94407.	4856.7
#2	6439.6	94130.	4908.9

Sample Name: 280-49119-b-5-b Acquired: 11/16/2013 6:40:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.42470**	**.00532**	**.01006**	**.17513**	**.00004**	**-.00258**	**13.915**	**.00034**	**.00009**
Stddev	.00032	.00137	.00110	.00033	.00176	.00006	.00214	.038	.00023	.00007
%RSD	74.181	.32331	20.671	3.2919	1.0033	145.65	83.085	.27222	69.412	83.345
#1	-.00020	.42567	.00454	.01029	.17637	.00000	-.00106	13.941	.00050	.00014
#2	-.00065	.42373	.00610	.00982	.17388	.00008	-.00409	13.888	.00017	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00832**	**.07190**	**1.5861**	**.00029**	**1.0334**	**.03846**	**-.00006**	**357.72**	**.00145**
Stddev	.00002	.00054	.00307	.0335	.00343	.0068	.00003	.00025	2.34	.00008
%RSD	8.4255	6.5205	4.2644	2.1112	1202.7	.66021	.07119	440.78	.65366	5.5289
#1	.00027	.00870	.06973	1.5624	-.00214	1.0286	.03848	-.00023	359.37	.00140
#2	.00030	.00793	.07406	1.6097	.00271	1.0383	.03844	.00012	356.07	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12211**	**4.2757**	**.20249**	**.01728**	**.00438**	**.72663**	**1.5550**	**.00079**	**.03009**	**.00019**
Stddev	.00313	.0012	.00257	.00090	.00457	.00783	.0168	.00052	.00001	.00134
%RSD	2.5662	.02832	1.2701	5.1857	104.39	1.0775	1.0775	65.902	.02192	702.70
#1	.12432	4.2766	.20431	.01792	.00761	.72109	1.5431	.00116	.03009	.00114
#2	.11989	4.2748	.20067	.01665	.00115	.73216	1.5668	.00042	.03008	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**-.00107**	**-.00190**	**-.00047**	**.01980**	**.00504**
Stddev	.00018	.00024	.06140	.00032	.00027	.00024
%RSD	10.522	22.544	3234.4	67.074	1.3799	4.8541
#1	.00186	-.00090	-.04531	-.00025	.02000	.00486
#2	.00160	-.00124	.04152	-.00070	.01961	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6464.2**	**94703.**	**4878.1**
Stddev	9.4	263.	1.5
%RSD	.14600	.27719	.03105
#1	6457.5	94517.	4879.1
#2	6470.9	94888.	4877.0

Sample Name: CCVH-2382126 Acquired: 11/16/2013 6:42:51 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00891**	**51.390**	**.00012**	**.00342**	**.00099**	**-.00007**	W **1.0789**	**-.00031**	**.00096**	**-.00059**	**.00023**	**.02129**
Stddev	.00051	.083	.00109	.00014	.00029	.00003	.0099	.00241	.00003	.00013	.00002	.00053
%RSD	5.6873	.16186	881.74	3.9743	29.544	37.693	.91559	788.41	3.4337	22.207	7.3807	2.4862
#1	-.00855	51.331	-.00065	.00333	.00120	-.00009	1.0859	.00140	.00098	-.00068	.00022	.02167
#2	-.00927	51.449	.00089	.00352	.00079	-.00005	1.0719	-.00201	.00094	-.00050	.00025	.02092
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.445**	**.06351**	**.00180**	**.07485**	**.00107**	**.00030**	F **311.03**	**-.00055**	**.01411**	**.00247**	**5.1891**	**-.00303**
Stddev	.004	.05182	.00033	.00166	.00009	.00010	.56	.00018	.00117	.00063	.0485	.00053
%RSD	.00724	81.603	18.249	2.2165	8.7412	34.609	.17908	32.427	8.2700	25.452	.93509	17.483
#1	49.447	.10015	.00203	.07368	.00114	.00037	310.63	-.00043	.01329	.00203	5.2234	-.00340
#2	49.442	.02686	.00157	.07602	.00100	.00022	311.42	-.00068	.01494	.00292	5.1548	-.00266
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00755**	**-.00848**	**-.01815**	**.00038**	**.00029**	W **4.7259**	**.01813**	**.00178**	F **11.664**	**.00355**	**.00177**	**-.07884**
Stddev	.00166	.00668	.01430	.00065	.00014	.0144	.00059	.00024	.013	.00020	.00006	.00302
%RSD	22.026	78.774	78.774	170.94	47.580	.30537	3.2557	13.707	.10919	5.6599	3.4168	3.8340
#1	-.00638	-.01321	-.02826	-.00008	.00039	4.7361	.01771	.00195	11.673	.00370	.00172	-.08097
#2	-.00873	-.00376	-.00804	.00084	.00019	4.7157	.01855	.00161	11.655	.00341	.00181	-.07670
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6680.8**	**97177.**	**4951.7**
Stddev	1.3	460.	17.2
%RSD	.01989	.47340	.34769
#1	6679.8	96852.	4939.6
#2	6681.7	97503.	4963.9

Sample Name: CCV-2372889 Acquired: 11/16/2013 6:45:14 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50296**	**.53491**	**1.0700**	**.54138**	**.54320**	**.51126**	**-.01027**	**5.1365**	**.51455**	**.52069**	**.53572**	**.51630**	**2.5022**
Stddev	.00016	.00111	.0016	.00203	.00055	.00039	.00121	.0316	.00089	.00058	.00089	.00217	.0107
%RSD	.03264	.20666	.14637	.37581	.10171	.07630	11.821	.61425	.17336	.11183	.16557	.42102	.42889
#1	.50284	.53569	1.0689	.53994	.54359	.51154	-.01113	5.1142	.51518	.52110	.53635	.51784	2.4946
#2	.50307	.53413	1.0711	.54282	.54281	.51099	-.00941	5.1588	.51392	.52027	.53510	.51476	2.5098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **61.890**	F **1.1659**	**19.264**	**.50857**	**.53111**	F **6.4333**	**.54795**	**1.0689**	F **1.1116**	**.10361**	**1.0606**	**1.0956**	**4.9051**
Stddev	.145	.0002	.052	.00002	.00239	.0166	.00111	.0056	.0051	.00175	.0023	.0057	.0338
%RSD	.23495	.01751	.27194	.00453	.45015	.25835	.20333	.52294	.46080	1.6874	.21489	.52412	.68825
#1	61.787	1.1661	19.227	.50856	.53280	6.4450	.54873	1.0729	1.1152	.10238	1.0622	1.0996	4.8813
#2	61.993	1.1658	19.301	.50859	.52942	6.4215	.54716	1.0650	1.1080	.10485	1.0590	1.0915	4.9290
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000			1.0000				
Range	10.490%	10.490%				10.490%			10.490%				

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.497**	**1.0645**	**.52073**	**.00474**	**.47612**	**1.0542**	**.03024**	**.49689**	**.48055**	**.49606**
Stddev	.072	.0052	.00121	.00093	.00017	.0019	.00437	.00053	.00201	.00202
%RSD	.68825	.48907	.23207	19.619	.03593	.18238	14.434	.10678	.41834	.40743
#1	10.446	1.0682	.52159	.00408	.47600	1.0556	.02716	.49727	.47913	.49463
#2	10.548	1.0609	.51988	.00540	.47624	1.0529	.03333	.49652	.48198	.49749
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6756.1**	**99515.**	**4904.9**
Stddev	.4	25.	31.5
%RSD	.00556	.02549	.64300
#1	6756.4	99533.	4927.2
#2	6755.9	99497.	4882.6

Sample Name: CCB Acquired: 11/16/2013 6:47:24 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00053**	**.00104**	**.00203**	**.00031**	**-.00003**	**.00055**	**.00211**	**-.00008**	**-.00006**	**-.00001**
Stddev	.00028	.00008	.00103	.00081	.00028	.00012	.00012	.00568	.00001	.00008	.00005
%RSD	179.99	15.056	98.902	39.934	89.102	458.89	22.842	269.44	14.576	132.81	450.26
#1	-.00035	.00048	.00031	.00260	.00051	-.00011	.00064	.00612	-.00009	.00000	.00002
#2	.00004	.00059	.00177	.00146	.00012	.00006	.00046	-.00191	-.00007	-.00012	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00189**	**.00151**	**.05811**	**.00004**	**.00111**	**.00000**	**.00181**	F **.73246**	**-.00013**	W **.01876**	**.00025**
Stddev	.00007	.00014	.02750	.00176	.00089	.0001	.00037	.00014	.00030	.00115	.00038
%RSD	3.5431	9.0278	47.328	4289.2	80.523	4348.2	20.684	.01978	221.89	6.1039	153.17
#1	-.00184	.00141	.07755	.00129	.00174	.00005	.00155	.73236	-.00034	.01795	-.00002
#2	-.00194	.00160	.03866	-.00121	.00048	-.00006	.00208	.73257	.00008	.01957	.00052
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit	.00136							.18320		.01350	
Low Limit	-.00136							-.18320		-.01350	

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08166**	**.00257**	**.00046**	**-.00055**	**-.00118**	**.00045**	**.00002**	**.00128**	**-.00016**	**-.00125**	**.00498**
Stddev	.00169	.00016	.00177	.00037	.00079	.00001	.00009	.00039	.00028	.00041	.00780
%RSD	2.0733	6.1019	389.31	67.022	67.022	1.1964	430.11	30.166	177.72	32.972	156.45
#1	.08046	.00246	.00171	-.00082	-.00175	.00044	-.00004	.00155	.00004	-.00096	-.00053
#2	.08286	.00268	-.00080	-.00029	-.00062	.00045	.00008	.00101	-.00036	-.00154	.01050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00029**	**.00262**	F **.00555**
Stddev	.00027	.00026	.00167
%RSD	92.066	10.018	30.162
#1	-.00048	.00280	.00436
#2	-.00010	.00243	.00673
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6867.2**	**102590.**	**4913.2**
Stddev	4.3	238.	21.3
%RSD	.06291	.23188	.43446
#1	6864.2	102420.	4898.1
#2	6870.3	102760.	4928.3

Sample Name: CCVL2383195 Acquired: 11/16/2013 6:49:44 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.11468**	**.01595**	**.11088**	**.01128**	**.00098**	**.12546**	**.20656**	**.00550**	**.01087**	**.01102**	**.01470**	**.10107**
Stddev	.00024	.00049	.00034	.00053	.00027	.00002	.00040	.00252	.00001	.00012	.00017	.00015	.00349
%RSD	2.4031	.42529	2.1210	.48189	2.3883	1.6977	.32138	1.2193	.21223	1.0801	1.5182	1.0121	3.4563
#1	.01029	.11502	.01619	.11050	.01109	.00097	.12517	.20478	.00549	.01096	.01090	.01459	.09860
#2	.00994	.11433	.01571	.11125	.01147	.00099	.12574	.20834	.00550	.01079	.01114	.01480	.10354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7022**	F **.01439**	**.20316**	**.01032**	**.02098**	F **1.8449**	**.04514**	**3.1394**	F **.01236**	**.07853**	**.00956**	**.01498**	**.47346**
Stddev	.0205	.00064	.00101	.00000	.00027	.0170	.00039	.0091	.00043	.00082	.00084	.00161	.01577
%RSD	.55507	4.4542	.49539	.01265	1.2899	.92440	.85910	.29086	3.4761	1.0498	8.7778	10.718	3.3303
#1	3.6877	.01485	.20245	.01032	.02079	1.8570	.04487	3.1330	.01205	.07795	.00897	.01611	.48461
#2	3.7167	.01394	.20387	.01032	.02117	1.8329	.04542	3.1459	.01266	.07912	.01015	.01384	.46231
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000			.00900				
Range		30.000%				30.000%			30.000%				

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0132**	**.11117**	**.01032**	**.01531**	**.00933**	**.01639**	**.06790**	**.00976**	**.02241**	**.01781**
Stddev	.0337	.00019	.00011	.00149	.00020	.00006	.00131	.00006	.00080	.00427
%RSD	3.3303	.17400	1.0646	9.7291	2.1332	.35390	1.9299	.61997	3.5630	23.976
#1	1.0371	.11103	.01040	.01636	.00919	.01635	.06697	.00980	.02184	.01479
#2	.98935	.11130	.01024	.01425	.00947	.01643	.06883	.00972	.02297	.02083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6914.7**	**102280.**	**4837.5**
Stddev	20.9	650.	2.9
%RSD	.30185	.63590	.05892
#1	6899.9	102740.	4839.6
#2	6929.5	101820.	4835.5

Sample Name: 280-49119-b-6-b Acquired: 11/16/2013 6:52:06 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.39502**	**.00201**	**.01010**	**.16168**	**.00007**	**-.00129**	**15.656**	**.00052**	**.00017**
Stddev	.00012	.00050	.00085	.00030	.00036	.00000	.00015	.023	.00005	.00002
%RSD	53.457	.12602	42.590	3.0082	.22248	5.4640	11.266	.14999	9.6827	12.047
#1	-.00030	.39467	.00261	.00988	.16193	.00007	-.00119	15.673	.00048	.00019
#2	-.00014	.39537	.00140	.01031	.16142	.00008	-.00140	15.640	.00055	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00953**	**.09702**	**2.1783**	**.00093**	**1.7570**	**.04810**	**.00030**	**347.98**	**.00165**
Stddev	.00005	.00009	.00136	.0071	.00128	.0039	.00007	.00011	.16	.00007
%RSD	19.219	.94661	1.4052	.32528	137.86	.22241	.14171	35.695	.04729	4.5104
#1	.00022	.00960	.09798	2.1733	.00183	1.7543	.04814	.00023	348.09	.00170
#2	.00029	.00947	.09606	2.1833	.00002	1.7598	.04805	.00038	347.86	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16513**	**1.2988**	**.19475**	**.00156**	**.00107**	**.94489**	**2.0221**	**.00000**	**.02962**	**.00153**
Stddev	.00179	.0008	.00292	.00118	.00480	.00615	.0132	.00001	.00030	.00224
%RSD	1.0864	.05763	1.5014	75.730	447.00	.65127	.65127	260.21	1.0280	145.83
#1	.16386	1.2994	.19268	.00072	-.00232	.94054	2.0128	.00000	.02941	-.00005
#2	.16640	1.2983	.19681	.00239	.00447	.94924	2.0314	.00001	.02984	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**-.00004**	**-.03069**	**-.00013**	**.02155**	**.00321**
Stddev	.00010	.00032	.01600	.00011	.00010	.00241
%RSD	3.6101	748.10	52.111	80.575	.47055	74.971
#1	.00281	.00019	-.01938	-.00006	.02162	.00492
#2	.00267	-.00027	-.04201	-.00021	.02147	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6496.5**	**94933.**	**4971.9**
Stddev	31.2	289.	35.7
%RSD	.48002	.30482	.71742
#1	6474.5	95138.	4946.7
#2	6518.6	94729.	4997.1

Sample Name: 280-49119-b-7-b Acquired: 11/16/2013 6:54:34 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.27538**	**.00317**	**.01488**	**.24689**	**.00007**	**-.00267**	**27.903**	**.00076**	**.00037**
Stddev	.00000	.00110	.00213	.00014	.00064	.00014	.00104	.064	.00013	.00015
%RSD	.57661	.39766	66.946	.90785	.25779	217.65	38.950	.22787	17.351	40.550
#1	-.00033	.27460	.00468	.01479	.24644	-.00004	-.00340	27.858	.00066	.00048
#2	-.00033	.27615	.00167	.01498	.24734	.00017	-.00193	27.948	.00085	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00509**	**.07519**	**2.4243**	**.00168**	**1.4262**	**.06593**	**-.00019**	**387.86**	**.00272**
Stddev	.00010	.00031	.00184	.0013	.00105	.0027	.00022	.00003	.87	.00031
%RSD	46.487	6.1402	2.4478	.05218	62.671	.18743	.33857	17.540	.22504	11.292
#1	.00015	.00487	.07649	2.4234	.00093	1.4243	.06609	-.00016	388.48	.00250
#2	.00029	.00532	.07389	2.4252	.00242	1.4281	.06577	-.00021	387.24	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21731**	**3.9360**	**.17069**	**.00074**	**.00171**	**1.4461**	**3.0946**	**.00088**	**.04835**	**-.00061**
Stddev	.00182	.0077	.00175	.00204	.00121	.0004	.0010	.00048	.00010	.00093
%RSD	.83966	.19475	1.0273	276.21	70.631	.03132	.03132	54.596	.21680	152.60
#1	.21860	3.9306	.17193	.00218	.00257	1.4464	3.0953	.00054	.04842	.00005
#2	.21602	3.9414	.16945	-.00070	.00086	1.4458	3.0939	.00122	.04827	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00064**	**-.02571**	**-.00045**	**.03852**	**.00518**
Stddev	.00000	.00113	.02153	.00008	.00017	.00323
%RSD	.21457	176.57	83.717	18.863	.44155	62.310
#1	.00141	-.00016	-.04094	-.00039	.03864	.00290
#2	.00140	.00143	-.01049	-.00051	.03840	.00746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6464.4**	**94814.**	**5009.4**
Stddev	1.2	23.	5.9
%RSD	.01846	.02456	.11692
#1	6463.5	94830.	5013.6
#2	6465.2	94797.	5005.3

Sample Name: 280-49119-b-8-b Acquired: 11/16/2013 6:57:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.19678**	**.00623**	**.01774**	**.32591**	**.00005**	**-.00236**	**55.363**	**.00101**	**.00119**
Stddev	.00027	.00130	.00004	.00067	.00063	.00004	.00304	.010	.00007	.00012
%RSD	44.746	.65938	.68420	3.7792	.19396	86.223	128.77	.01719	7.0908	10.188
#1	-.00042	.19770	.00626	.01821	.32546	.00008	-.00452	55.370	.00096	.00128
#2	-.00080	.19586	.00620	.01726	.32635	.00002	-.00021	55.356	.00106	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00486**	**.03307**	**2.6029**	**.00204**	**1.7087**	**.07686**	**-.00020**	**387.37**	**.00306**
Stddev	.00009	.00003	.00025	.0403	.00097	.0036	.00015	.00008	.00	.00001
%RSD	20.278	.54000	.76272	1.5486	47.412	.21206	.19631	40.608	.00105	.25812
#1	.00036	.00488	.03325	2.6314	.00135	1.7113	.07696	-.00025	387.37	.00305
#2	.00048	.00484	.03289	2.5744	.00272	1.7061	.07675	-.00014	387.37	.00306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11490**	W **11.175**	**.17396**	**-.00005**	**.00176**	**1.4166**	**3.0316**	**.00086**	**.08697**	**-.00040**
Stddev	.00404	.017	.00007	.00144	.00038	.0161	.0345	.00091	.00016	.00096
%RSD	3.5146	.15535	.04225	2697.5	21.795	1.1376	1.1376	105.74	.18472	242.90
#1	.11776	11.188	.17401	.00096	.00203	1.4052	3.0072	.00022	.08686	.00028
#2	.11205	11.163	.17391	-.00107	.00149	1.4280	3.0560	.00150	.08708	-.00108
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00135**	**.01308**	**-.00028**	**.07507**	**.00438**
Stddev	.00032	.00002	.00315	.00039	.00033	.00168
%RSD	506.71	1.6281	24.070	142.44	.44100	38.391
#1	-.00016	-.00136	.01530	.00000	.07483	.00557
#2	.00029	-.00133	.01085	-.00055	.07530	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6453.4**	**93602.**	**4976.6**
Stddev	21.8	112.	6.8
%RSD	.33792	.12001	.13722
#1	6438.0	93523.	4981.4
#2	6468.8	93682.	4971.8

Sample Name: 280-49119-b-9-b Acquired: 11/16/2013 6:59:29 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.02766**	**.00050**	**.01678**	**.20563**	**-.00009**	**-.00223**	**117.88**	**.00096**	**-.00024**
Stddev	.00057	.00045	.00025	.00082	.00091	.00005	.00260	.01	.00017	.00017
%RSD	108.83	1.6441	49.863	4.8896	.44219	58.089	116.33	.00978	17.619	68.671
#1	-.00012	.02798	.00032	.01736	.20499	-.00005	-.00407	117.87	.00084	-.00013
#2	-.00092	.02734	.00068	.01620	.20628	-.00012	-.00040	117.88	.00108	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00183**	**.01835**	**1.7552**	**.00313**	**3.6583**	**.04520**	**-.00027**	**362.80**	**.00068**
Stddev	.00002	.00029	.00149	.0518	.00196	.0050	.00002	.00005	.76	.00014
%RSD	10.475	15.613	8.1184	2.9527	62.523	.13722	.03800	19.743	.21062	20.915
#1	.00017	.00163	.01940	1.7186	.00452	3.6618	.04519	-.00023	362.26	.00078
#2	.00015	.00204	.01729	1.7919	.00175	3.6547	.04521	-.00031	363.34	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08255**	**.02984**	**.27811**	**.00022**	**.00310**	**.74136**	**1.5865**	**.00082**	**.15399**	**-.00008**
Stddev	.00109	.00161	.00008	.00129	.00358	.00106	.0023	.00021	.00038	.00124
%RSD	1.3208	5.3784	.02766	574.20	115.70	.14309	.14309	25.355	.24955	1583.2
#1	.08332	.03098	.27816	-.00069	.00056	.74211	1.5881	.00067	.15372	-.00096
#2	.08178	.02871	.27805	.00114	.00563	.74061	1.5849	.00097	.15426	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00012**	**.00840**	**-.00001**	**.01608**	**.00312**
Stddev	.00024	.00161	.00376	.00038	.00032	.00009
%RSD	90.451	1332.6	44.710	2607.7	2.0097	2.8302
#1	-.00010	.00102	.00574	-.00028	.01585	.00306
#2	-.00044	-.00126	.01106	.00025	.01630	.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6398.3**	**93986.**	**4909.7**
Stddev	5.4	182.	23.4
%RSD	.08363	.19347	.47573
#1	6402.1	94114.	4893.2
#2	6394.5	93857.	4926.2

Sample Name: 280-49119-b-9-bSD@5 Acquired: 11/16/2013 7:02:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.01560**	**-.00034**	**.00432**	**.04109**	**.00001**	**-.00021**	**23.112**	**.00046**	**-.00014**
Stddev	.00051	.00013	.00222	.00036	.00014	.00003	.00017	.058	.00002	.00001
%RSD	202.01	.82943	656.48	8.2588	.35055	227.33	84.117	.25083	3.4016	3.7163
#1	.00011	.01570	-.00190	.00406	.04119	.00003	-.00008	23.071	.00047	-.00014
#2	-.00061	.01551	.00123	.00457	.04099	-.00001	-.00033	23.153	.00045	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00096**	**.02298**	**.39902**	**-.00009**	**.75581**	**.00914**	**-.00031**	**72.009**	**.00043**
Stddev	.00013	.00020	.00088	.04575	.00105	.00253	.00001	.00011	.358	.00020
%RSD	91.327	20.562	3.8404	11.465	1114.5	.33421	.10114	36.639	.49739	47.027
#1	.00005	-.00082	.02235	.43137	.00065	.75759	.00914	-.00023	71.755	.00058
#2	.00024	-.00110	.02360	.36667	-.00083	.75402	.00915	-.00039	72.262	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02326**	**.00781**	**.10673**	**-.00215**	**-.00180**	**.14680**	**.31415**	**.00193**	**.03038**	**-.00025**
Stddev	.00078	.00166	.00187	.00018	.00198	.00939	.02009	.00004	.00018	.00036
%RSD	3.3627	21.230	1.7528	8.4293	110.01	6.3960	6.3960	2.1490	.59268	147.31
#1	.02381	.00664	.10540	-.00228	-.00320	.15344	.32836	.00196	.03025	.00001
#2	.02271	.00899	.10805	-.00202	-.00040	.14016	.29994	.00190	.03051	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00012**	**.01392**	**-.00039**	**.00897**	**.00324**
Stddev	.00011	.00043	.00158	.00038	.00010	.00074
%RSD	30.333	355.38	11.367	97.755	1.1113	22.750
#1	-.00044	.00042	.01504	-.00065	.00890	.00376
#2	-.00029	-.00018	.01280	-.00012	.00904	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6701.1**	**99211.**	**5005.5**
Stddev	3.0	355.	42.4
%RSD	.04438	.35743	.84766
#1	6699.0	98961.	5035.5
#2	6703.2	99462.	4975.5

Sample Name: 280-49119-b-9-c ms Acquired: 11/16/2013 7:04:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.20867**	**.42381**	**.85849**	**.21899**	**2.6437**	**.00950**	F **.41284**	**115.77**	**.22079**	**.09643**
Stddev	.00006	.00172	.00345	.00128	.0030	.00006	.00111	.48	.00086	.00055
%RSD	.03023	.40495	.40164	.58304	.11387	.63279	.26849	.41709	.38910	.57383
#1	.20872	.42260	.86092	.21989	2.6458	.00954	.41206	116.12	.22018	.09683
#2	.20863	.42503	.85605	.21809	2.6416	.00945	.41362	115.43	.22140	.09604
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0549**	**.44820**	**.20684**	**13.821**	**.23155**	**12.160**	**.13699**	**.20518**	**339.54**	**.10125**
Stddev	.0001	.00004	.00253	.054	.00022	.012	.00008	.00127	.70	.00032
%RSD	.01330	.00810	1.2224	.39245	.09380	.10194	.05731	.61669	.20507	.31492
#1	1.0548	.44818	.20505	13.859	.23170	12.151	.13694	.20608	340.03	.10147
#2	1.0550	.44823	.20862	13.783	.23139	12.168	.13705	.20429	339.04	.10102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2165**	**1.1556**	**.25706**	**.09232**	**.64838**	**2.6113**	**5.5882**	**.40024**	**.33277**	**.18305**
Stddev	.0177	.0071	.00268	.00116	.00459	.0200	.0428	.00016	.00002	.00120
%RSD	.80035	.61100	1.0435	1.2597	.70797	.76626	.76626	.04025	.00670	.65827
#1	2.2290	1.1606	.25895	.09149	.65163	2.5972	5.5579	.40036	.33275	.18390
#2	2.2039	1.1506	.25516	.09314	.64514	2.6255	5.6185	.40013	.33278	.18220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18764**	**.36470**	**.45425**	**.09943**	**.48159**	**.09324**
Stddev	.00028	.00034	.05546	.00029	.00112	.00023
%RSD	.14890	.09352	12.209	.29482	.23256	.24862
#1	.18784	.36494	.41504	.09922	.48080	.09308
#2	.18744	.36446	.49347	.09964	.48238	.09341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6428.5**	**93395.**	**4901.1**
Stddev	17.4	62.	59.3
%RSD	.27132	.06594	1.2095
#1	6440.8	93438.	4859.2
#2	6416.1	93351.	4943.0

Sample Name: 280-49119-b-9-d msd Acquired: 11/16/2013 7:06:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201085 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22240	.45036	.91721	.23284	2.8152	.01010	F .43638	123.14	.23424	.10243
Stddev	.00003	.00082	.00019	.00036	.0196	.00013	.00159	.75	.00096	.00015
%RSD	.01220	.18134	.02040	.15664	.69440	1.3031	.36450	.60844	.40858	.14223
#1	.22242	.44978	.91707	.23309	2.8290	.01000	.43750	123.67	.23356	.10253
#2	.22238	.45094	.91734	.23258	2.8014	.01019	.43525	122.61	.23492	.10233
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1189	.47608	.21927	14.703	.24732	12.845	.14546	.21988	361.15	.10808
Stddev	.0019	.00083	.00538	.113	.00116	.000	.00011	.00022	2.88	.00058
%RSD	.16996	.17522	2.4537	.76900	.46969	.00351	.07317	.10188	.79828	.53577
#1	1.1176	.47549	.21547	14.783	.24814	12.846	.14539	.22004	363.19	.10849
#2	1.1203	.47667	.22308	14.623	.24650	12.845	.14554	.21972	359.11	.10768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.3483	1.2237	.26100	.09642	.68675	2.7766	5.9420	.42259	.35489	.19443
Stddev	.0005	.0014	.00160	.00140	.00206	.0232	.0497	.00022	.00199	.00006
%RSD	.02275	.11711	.61162	1.4504	.29940	.83697	.83697	.05210	.56158	.03269
#1	2.3487	1.2247	.26213	.09543	.68820	2.7602	5.9068	.42275	.35630	.19448
#2	2.3479	1.2227	.25987	.09741	.68529	2.7931	5.9772	.42244	.35348	.19439
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19844	.38423	.48531	.10619	.50911	.09924
Stddev	.00068	.00264	.02638	.00036	.00123	.00092
%RSD	.34088	.68636	5.4355	.34114	.24245	.92976
#1	.19796	.38609	.50397	.10594	.50998	.09989
#2	.19892	.38236	.46666	.10645	.50824	.09858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6380.1	93001.	4830.8
Stddev	4.3	160.	31.2
%RSD	.06664	.17205	.64680
#1	6377.1	92888.	4808.7
#2	6383.1	93114.	4852.9

Sample Name: CCVH-2382126 Acquired: 11/16/2013 7:09:05 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00898**	**49.413**	**.00096**	**.00238**	**.00119**	**-.00010**	**1.0475**	**.00625**	**.00081**	**-.00043**	**.00025**	**.02119**
Stddev	.00052	.651	.00209	.00038	.00008	.00004	.0010	.00011	.00005	.00009	.00019	.00008
%RSD	5.7481	1.3168	218.38	15.998	6.5168	38.883	.09231	1.6965	6.0540	20.211	75.652	.35620
#1	-.00935	48.953	.00244	.00264	.00114	-.00013	1.0468	.00617	.00078	-.00037	.00012	.02113
#2	-.00862	49.873	-.00052	.00211	.00125	-.00008	1.0482	.00632	.00084	-.00049	.00039	.02124
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.206**	**.07018**	**.00150**	**.07681**	**.00103**	**.00165**	F **299.24**	**-.00059**	**.00741**	**.00210**	**5.0091**	**-.00235**
Stddev	.077	.05023	.00021	.00099	.00001	.00010	5.15	.00032	.00034	.00040	.0049	.00200
%RSD	.16294	71.582	14.286	1.2869	1.1217	5.8107	1.7204	54.528	4.6385	19.205	.09844	85.116
#1	47.152	.10570	.00166	.07751	.00104	.00159	295.60	-.00036	.00717	.00239	5.0056	-.00377
#2	47.261	.03466	.00135	.07612	.00102	.00172	302.88	-.00081	.00765	.00182	5.0126	-.00094
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00353**	**-.01021**	**-.02185**	**.00085**	**.00039**	W **4.5763**	**.01764**	**.00230**	F **11.319**	**.00350**	**.00174**	**-.07542**
Stddev	.00189	.01531	.03275	.00032	.00004	.0026	.00020	.00084	.053	.00051	.00048	.00044
%RSD	53.601	149.89	149.89	37.425	9.6885	.05615	1.1279	36.691	.46759	14.616	27.637	.58033
#1	-.00487	-.02103	-.04501	.00062	.00036	4.5781	.01750	.00290	11.356	.00313	.00208	-.07511
#2	-.00219	.00061	.00131	.00107	.00042	4.5745	.01778	.00170	11.281	.00386	.00140	-.07573
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6668.5**	**96350.**	**4869.2**
Stddev	17.8	137.	84.9
%RSD	.26640	.14215	1.7438
#1	6655.9	96253.	4929.2
#2	6681.0	96447.	4809.1

Sample Name: CCV-2372889 Acquired: 11/16/2013 7:11:26 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49083**	**.52228**	**1.0423**	**.52791**	**.53008**	**.49738**	**-.00884**	**5.0261**	**.50156**	**.51008**	**.52386**	**.50233**	**2.4340**
Stddev	.00010	.00086	.0004	.00034	.00399	.00500	.00083	.0080	.00034	.00108	.00124	.00027	.0053
%RSD	.01940	.16386	.03649	.06473	.75238	1.0049	9.4183	.15810	.06792	.21109	.23765	.05376	.21823
#1	.49089	.52288	1.0425	.52815	.53290	.50091	-.00942	5.0205	.50132	.51084	.52474	.50214	2.4303
#2	.49076	.52167	1.0420	.52767	.52726	.49385	-.00825	5.0317	.50181	.50931	.52298	.50252	2.4378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **60.684**	F **1.1383**	**18.836**	**.49709**	**.52026**	F **6.1040**	**.53416**	**1.0381**	**1.0875**	**.06753**	**1.0397**	**1.0671**	**4.8180**
Stddev	.386	.0074	.022	.00053	.00106	.0423	.00333	.0037	.0017	.00104	.0043	.0013	.0370
%RSD	.63609	.65145	.11766	.10574	.20389	.69321	.62340	.35162	.15702	1.5468	.41340	.12466	.76801
#1	60.957	1.1435	18.820	.49672	.52101	6.1340	.53181	1.0407	1.0887	.06679	1.0427	1.0661	4.7918
#2	60.411	1.1330	18.852	.49747	.51951	6.0741	.53652	1.0355	1.0863	.06827	1.0366	1.0680	4.8441
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.310**	**1.0453**	**.50419**	**.00728**	**.46483**	**1.0346**	**-.00471**	**.48653**	**.46840**	**.47824**
Stddev	.079	.0036	.00318	.00129	.00117	.0029	.02126	.00173	.00227	.00018
%RSD	.76801	.34622	.63011	17.675	.25176	.28092	451.64	.35647	.48391	.03825
#1	10.254	1.0479	.50644	.00637	.46400	1.0367	-.01974	.48530	.46679	.47811
#2	10.366	1.0428	.50194	.00819	.46565	1.0326	.01033	.48775	.47000	.47837
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6688.6**	**99110.**	**4821.9**
Stddev	10.5	125.	2.4
%RSD	.15701	.12651	.04974
#1	6681.2	99021.	4820.2
#2	6696.1	99198.	4823.6

Sample Name: CCB Acquired: 11/16/2013 7:13:36 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00004**	**-.00198**	**.00179**	**.00033**	**.00001**	**-.00239**	**.00398**	**.00020**	**-.00029**	**.00010**
Stddev	.00013	.00022	.00037	.00016	.00016	.00006	.00032	.00572	.00020	.00008	.00005
%RSD	160.64	497.51	18.534	8.9603	48.562	624.10	13.261	143.80	97.822	26.172	53.401
#1	.00001	.00011	-.00172	.00190	.00044	.00005	-.00216	.00803	.00034	-.00034	.00006
#2	-.00017	-.00020	-.00224	.00168	.00021	-.00003	-.00261	-.00007	.00006	-.00023	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00182**	**.00136**	**.02871**	**-.00093**	**-.00053**	**.00001**	**.00223**	F **.40624**	**.00000**	**.00131**	**.00145**
Stddev	.00020	.00114	.04195	.00119	.00064	.00001	.00045	.00505	.00027	.00020	.00000
%RSD	11.023	83.612	146.11	127.81	121.08	104.31	20.362	1.2429	6396.3	14.905	.19586
#1	-.00196	.00056	.05838	-.00178	-.00098	.00000	.00191	.40981	.00020	.00117	.00144
#2	-.00167	.00216	-.00095	-.00009	-.00008	.00001	.00255	.40267	-.00019	.00145	.00145
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05887**	**.00217**	**.00338**	**-.00736**	**-.01574**	**.00026**	**-.00011**	**.00125**	**.00026**	**-.00009**	**.01542**
Stddev	.00068	.00299	.00205	.00498	.01066	.00037	.00007	.00056	.00039	.00088	.00199
%RSD	1.1599	137.47	60.602	67.744	67.744	142.91	64.834	45.037	152.23	1019.7	12.934
#1	.05839	.00006	.00483	-.01088	-.02328	.00000	-.00016	.00085	.00053	.00053	.01401
#2	.05936	.00429	.00193	-.00383	-.00820	.00052	-.00006	.00165	-.00002	-.00071	.01683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00030**	**.00308**	W **.00298**
Stddev	.00009	.00029	.00086
%RSD	31.050	9.4761	28.785
#1	-.00023	.00288	.00359
#2	-.00036	.00329	.00237
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6783.3**	**101580.**	**4864.7**
Stddev	15.2	416.	4.7
%RSD	.22390	.40976	.09562
#1	6772.5	101290.	4861.4
#2	6794.0	101880.	4868.0

Sample Name: CCVL2383195 Acquired: 11/16/2013 7:15:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01008**	**.11296**	**.01553**	**.11016**	**.01108**	**.00096**	**.12168**	**.23066**	**.00523**	**.01053**	**.01075**	**.01410**	**.09955**
Stddev	.00014	.00384	.00222	.00069	.00005	.00006	.00046	.00213	.00000	.00010	.00004	.00017	.00112
%RSD	1.4367	3.3965	14.271	.62521	.44980	5.9839	.37580	.92135	.07534	.95384	.36691	1.1716	1.1276
#1	.00998	.11025	.01396	.11065	.01105	.00100	.12201	.22915	.00522	.01060	.01077	.01398	.09876
#2	.01018	.11567	.01710	.10968	.01112	.00092	.12136	.23216	.00523	.01046	.01072	.01422	.10035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6269**	**.01007**	**.20184**	**.01020**	**.02109**	F **1.5175**	**.04392**	**3.1299**	**.01135**	**.04580**	**.01075**	**.01789**	**.50712**
Stddev	.0126	.00289	.00085	.00008	.00014	.0151	.00029	.0085	.00015	.00075	.00032	.00152	.02964
%RSD	.34683	28.746	.42269	.81197	.68032	.99210	.66158	.27190	1.3467	1.6294	3.0201	8.4849	5.8457
#1	3.6358	.01211	.20244	.01014	.02119	1.5069	.04372	3.1239	.01124	.04633	.01098	.01896	.48616
#2	3.6180	.00802	.20123	.01026	.02098	1.5282	.04413	3.1359	.01146	.04527	.01052	.01681	.52808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0852**	**.11051**	**.01015**	**.01254**	**.00953**	**.01722**	**.07317**	**.00897**	**.02510**	**.01869**
Stddev	.0634	.00038	.00009	.00029	.00007	.00034	.01400	.00043	.00016	.00001
%RSD	5.8457	.34671	.93081	2.2752	.73941	1.9726	19.127	4.7454	.62091	.02961
#1	1.0404	.11024	.01008	.01274	.00948	.01746	.06327	.00867	.02499	.01870
#2	1.1301	.11078	.01022	.01234	.00958	.01698	.08306	.00927	.02521	.01869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6935.2**	**103220.**	**4940.6**
Stddev	7.7	699.	69.8
%RSD	.11048	.67748	1.4136
#1	6940.7	103710.	4990.0
#2	6929.8	102720.	4891.2

Sample Name: mb 280-201154/1-a Acquired: 11/16/2013 7:18:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00177**	**-.00236**	**.00104**	**.00030**	**-.00005**	**-.00150**	**.00748**	**.00013**	**-.00014**
Stddev	.00030	.00012	.00210	.00009	.00026	.00004	.00160	.00252	.00029	.00010
%RSD	100.98	6.4990	88.830	8.3947	85.320	79.064	106.60	33.702	212.28	76.304
#1	-.00008	.00169	-.00384	.00098	.00012	-.00008	-.00264	.00569	.00034	-.00006
#2	-.00051	.00185	-.00088	.00110	.00049	-.00002	-.00037	.00926	-.00007	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00102**	W **.05941**	**-.03895**	**.00098**	**-.00117**	**.00028**	**.00036**	**.36185**	**.00004**
Stddev	.00002	.00008	.00063	.03065	.00013	.00060	.00001	.00018	.00153	.00036
%RSD	18.727	7.6917	1.0586	78.684	13.455	50.990	5.2375	49.280	.42207	907.29
#1	.00010	-.00107	.05896	-.06062	.00107	-.00160	.00027	.00023	.36077	.00030
#2	.00013	-.00096	.05985	-.01728	.00088	-.00075	.00029	.00049	.36293	-.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**.00109**	**.04959**	**-.00071**	**.00114**	**-.01330**	**-.02846**	**.00043**	**.00004**	**.00090**
Stddev	.00068	.00076	.00107	.00032	.00135	.02206	.04720	.00047	.00001	.00026
%RSD	22.570	69.956	2.1629	44.556	118.43	165.89	165.89	109.89	18.383	28.838
#1	.00349	.00055	.05035	-.00049	.00209	-.02889	-.06183	.00010	.00004	.00108
#2	.00253	.00163	.04883	-.00094	.00018	.00230	.00492	.00076	.00005	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00102**	**.00446**	**-.00062**	**.00296**	**.00210**
Stddev	.00002	.00010	.00271	.00035	.00005	.00087
%RSD	41.119	10.202	60.686	55.800	1.6209	41.470
#1	-.00008	-.00095	.00255	-.00038	.00293	.00272
#2	-.00004	-.00110	.00638	-.00087	.00300	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6899.7**	**102920.**	**4950.2**
Stddev	6.1	533.	1.0
%RSD	.08783	.51750	.01986
#1	6895.4	103300.	4950.9
#2	6904.0	102550.	4949.5

Sample Name: lcs 280-201154/2-a Acquired: 11/16/2013 7:20:40 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04712**	**1.9397**	**1.0656**	**1.0629**	**2.0798**	**.04858**	**2.1759**	**47.693**	**.10003**	**.49255**
Stddev	.00073	.0003	.0026	.0063	.0057	.00013	.0127	.340	.00050	.00031
%RSD	1.5479	.01295	.24007	.59721	.27490	.26713	.58277	.71218	.50350	.06356
#1	.04764	1.9395	1.0638	1.0585	2.0758	.04849	2.1669	47.453	.09968	.49278
#2	.04661	1.9399	1.0674	1.0674	2.0839	.04867	2.1849	47.933	.10039	.49233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20943**	**.25544**	**1.0221**	F **60.395**	**1.1322**	**47.215**	**.48984**	**1.0379**	F **61.633**	**.51390**
Stddev	.00080	.00008	.0040	.259	.0051	.101	.00047	.0019	.625	.00260
%RSD	.38296	.03165	.39405	.42955	.44803	.21295	.09685	.18326	1.0133	.50633
#1	.20887	.25538	1.0250	60.212	1.1287	47.287	.49017	1.0392	61.191	.51206
#2	.21000	.25550	1.0193	60.579	1.1358	47.144	.48950	1.0365	62.075	.51574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000					56.000	
Low Limit				44.500					45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.420**	**.52918**	**.05083**	**.51636**	**2.1511**	**9.7188**	**20.798**	**2.0550**	**.99454**	**.93068**
Stddev	.009	.00498	.00169	.00016	.0113	.0686	.147	.0003	.00426	.00407
%RSD	.08586	.94086	3.3315	.03138	.52446	.70540	.70540	.01576	.42840	.43739
#1	10.414	.52566	.05203	.51625	2.1431	9.6703	20.694	2.0548	.99153	.92780
#2	10.427	.53270	.04963	.51648	2.1590	9.7672	20.902	2.0552	.99755	.93356
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94724**	**1.9643**	F **2.3433**	**.48905**	**.45897**	**.47050**
Stddev	.00112	.0009	.0006	.00276	.00317	.00228
%RSD	.11799	.04366	.02694	.56361	.69096	.48512
#1	.94803	1.9637	2.3437	.49100	.46121	.46888
#2	.94645	1.9649	2.3428	.48710	.45672	.47211
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6640.9**	**96614.**	**4941.9**
Stddev	12.0	206.	6.9
%RSD	.18033	.21291	.13894
#1	6632.4	96469.	4937.0
#2	6649.3	96760.	4946.7

Sample Name: 280-49096-g-2-a Acquired: 11/16/2013 7:22:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.99643**	**.00095**	**.00925**	**.04161**	**.00013**	**-.00406**	**.50992**	**.00023**	**.00109**
Stddev	.0002	.00279	.00039	.00036	.00000	.00019	.00024	.00250	.00010	.00023
%RSD	8997.5	.28015	40.542	3.9162	.00351	152.66	5.9891	.48973	45.175	20.968
#1	.00012	.99841	.00068	.00899	.04161	-.00001	-.00423	.50816	.00016	.00126
#2	-.00012	.99446	.00123	.00950	.04161	.00026	-.00389	.51169	.00030	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.00101**	**1.3185**	**1.1381**	**.00184**	**1.0436**	**.00708**	**.00387**	**22.008**	**.00206**
Stddev	.00007	.00060	.0029	.0294	.00220	.0032	.00005	.00080	.076	.00011
%RSD	3.1248	59.614	.21904	2.5788	119.27	.30371	.63655	20.575	.34557	5.3671
#1	.00218	.00058	1.3164	1.1173	.00029	1.0458	.00705	.00331	22.062	.00198
#2	.00208	.00144	1.3205	1.1589	.00340	1.0413	.00711	.00444	21.954	.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02473**	**.00049**	**.85550**	**-.00131**	**.00548**	**6.7981**	**14.548**	**.00061**	**.00656**	**.00198**
Stddev	.00071	.00011	.00220	.00023	.00303	.0248	.053	.00011	.00006	.00019
%RSD	2.8594	23.057	.25770	17.180	55.318	.36406	.36406	18.604	.95661	9.6121
#1	.02423	.00041	.85705	-.00116	.00333	6.7806	14.510	.00053	.00652	.00185
#2	.02523	.00057	.85394	-.00147	.00762	6.8156	14.585	.00070	.00661	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01887**	**-.00026**	**-.01730**	**.00272**	**.00963**	**.00301**
Stddev	.00180	.00029	.01051	.00052	.00005	.00218
%RSD	9.5209	112.07	60.729	19.173	.55265	72.266
#1	.02015	-.00005	-.00987	.00235	.00959	.00147
#2	.01760	-.00046	-.02473	.00309	.00967	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6918.0**	**102270.**	**4915.6**
Stddev	2.3	77.	51.8
%RSD	.03366	.07519	1.0542
#1	6919.6	102220.	4878.9
#2	6916.3	102320.	4952.2

Sample Name: 280-49096-g-2-aSD@5 Acquired: 11/16/2013 7:25:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.23015**	**.00132**	**.00259**	**.00912**	**.00002**	**-.00192**	**.11636**	**.00009**	**.00024**
Stddev	.00026	.00116	.00152	.00028	.00008	.00006	.00077	.00445	.00019	.00014
%RSD	250.90	.50429	114.76	10.871	.90417	242.93	40.285	3.8280	204.06	56.929
#1	.00008	.23097	.00239	.00279	.00906	-.00002	-.00247	.11951	-.00004	.00034
#2	-.00029	.22933	.00025	.00239	.00918	.00007	-.00138	.11321	.00023	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00137**	**.28219**	**.23540**	**.00092**	**.21696**	**.00156**	**.00047**	**4.3015**	**.00048**
Stddev	.00005	.00016	.00495	.05844	.00267	.00135	.00005	.00003	.0406	.00034
%RSD	8.8765	11.757	1.7527	24.828	292.18	.62324	3.1404	6.0535	.94428	70.732
#1	.00048	-.00149	.27870	.27673	.00281	.21792	.00160	.00045	4.3303	.00072
#2	.00054	-.00126	.28569	.19408	-.00098	.21601	.00153	.00049	4.2728	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.00079**	**.21330**	**-.00100**	**.00080**	**1.4096**	**3.0166**	**.00160**	**.00139**	**.00097**
Stddev	.00092	.00034	.00364	.00020	.00076	.0020	.0043	.00003	.00011	.00081
%RSD	20.166	42.723	1.7073	19.591	94.586	.14198	.14198	1.6411	7.9149	83.387
#1	.00391	.00103	.21072	-.00086	.00026	1.4110	3.0196	.00162	.00131	.00040
#2	.00521	.00055	.21587	-.00113	.00133	1.4082	3.0136	.00158	.00147	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00459**	**-.00040**	**.00972**	**.00005**	**.00727**	**.00547**
Stddev	.00040	.00039	.01917	.00012	.00009	.00120
%RSD	8.7019	99.633	197.14	217.86	1.3046	21.948
#1	.00431	-.00012	.02328	-.00003	.00734	.00462
#2	.00487	-.00067	-.00383	.00014	.00720	.00631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.2**	**102580.**	**4922.6**
Stddev	13.9	485.	16.6
%RSD	.20099	.47296	.33668
#1	6893.4	102230.	4910.9
#2	6913.0	102920.	4934.3

Sample Name: 280-49096-g-2-b ms Acquired: 11/16/2013 7:27:36 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04650**	**3.8619**	**1.0490**	**1.0232**	**2.1096**	**.04841**	F **2.1421**	**48.030**	**.09860**	**.48783**
Stddev	.00062	.0037	.0054	.0081	.0034	.00023	.0202	.104	.00049	.00094
%RSD	1.3245	.09455	.51498	.78870	.16135	.47763	.94469	.21597	.49695	.19225
#1	.04693	3.8593	1.0452	1.0175	2.1072	.04825	2.1278	47.957	.09825	.48716
#2	.04606	3.8645	1.0528	1.0289	2.1120	.04857	2.1564	48.104	.09894	.48849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20985**	**.25578**	**2.3846**	**61.614**	**1.1289**	**47.110**	**.48900**	**.99581**	**82.408**	**.51079**
Stddev	.00274	.00072	.0151	.122	.0036	.009	.00001	.00109	.459	.00457
%RSD	1.3051	.28225	.63453	.19814	.32012	.01882	.00122	.10919	.55645	.89504
#1	.20791	.25527	2.3953	61.528	1.1314	47.104	.48901	.99505	82.084	.50756
#2	.21179	.25629	2.3739	61.701	1.1263	47.116	.48900	.99658	82.733	.51402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.248**	**.52056**	**.85293**	**.49876**	**2.1263**	**17.174**	**36.752**	**1.9827**	**.99315**	**.90870**
Stddev	.011	.00490	.00673	.00340	.0115	.008	.016	.0107	.00438	.00498
%RSD	.11023	.94170	.78914	.68217	.54095	.04484	.04484	.54208	.44100	.54850
#1	10.240	.51709	.84817	.49636	2.1181	17.179	36.763	1.9751	.99005	.91222
#2	10.256	.52403	.85769	.50117	2.1344	17.168	36.740	1.9903	.99625	.90517
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92904**	**1.9341**	**2.3388**	**.48589**	**.45514**	**.45545**
Stddev	.00407	.0001	.0003	.00070	.00033	.00199
%RSD	.43809	.00256	.01305	.14394	.07324	.43614
#1	.93191	1.9341	2.3386	.48638	.45537	.45686
#2	.92616	1.9341	2.3391	.48539	.45490	.45405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6632.6**	**97642.**	**4919.7**
Stddev	20.0	87.	.7
%RSD	.30104	.08916	.01376
#1	6646.7	97580.	4919.3
#2	6618.5	97703.	4920.2

Sample Name: 280-49096-g-2-c msd Acquired: 11/16/2013 7:29:44 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04644**	**3.7081**	**1.0417**	**1.0368**	**2.0793**	**.04771**	F **2.1218**	**47.226**	**.09845**	**.48411**
Stddev	.00009	.0074	.0012	.0006	.0039	.00023	.0021	.243	.00015	.00005
%RSD	.20265	.20016	.11404	.05782	.18742	.47682	.09870	.51382	.15271	.00945
#1	.04638	3.7028	1.0426	1.0364	2.0820	.04755	2.1203	47.398	.09834	.48408
#2	.04651	3.7133	1.0409	1.0373	2.0765	.04787	2.1233	47.055	.09855	.48414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20657**	**.25426**	**2.2975**	**60.467**	**1.1146**	**47.307**	**.48739**	**1.0097**	**81.140**	**.50189**
Stddev	.00017	.00144	.0179	.164	.0016	.010	.00099	.0016	.132	.00048
%RSD	.08026	.56634	.77923	.27151	.14451	.02125	.20366	.15767	.16266	.09578
#1	.20645	.25324	2.2849	60.583	1.1135	47.315	.48809	1.0108	81.233	.50155
#2	.20668	.25528	2.3102	60.351	1.1158	47.300	.48669	1.0086	81.046	.50223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.209**	**.51554**	**.84339**	**.50496**	**2.1199**	**17.125**	**36.648**	W **2.0083**	**.98020**	**.91590**
Stddev	.012	.00018	.00001	.00263	.0016	.090	.192	.0040	.00096	.00157
%RSD	.11289	.03549	.00178	.52029	.07527	.52454	.52454	.19918	.09747	.17131
#1	10.201	.51541	.84340	.50682	2.1188	17.062	36.512	2.0055	.98088	.91479
#2	10.218	.51567	.84338	.50310	2.1210	17.189	36.784	2.0111	.97953	.91701
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94964**	**1.9238**	**2.3056**	**.48351**	**.45836**	**.45881**
Stddev	.00161	.0023	.0144	.00134	.00250	.00002
%RSD	.16909	.11876	.62595	.27722	.54645	.00469
#1	.95077	1.9254	2.3158	.48446	.46013	.45882
#2	.94850	1.9222	2.2954	.48256	.45659	.45879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6679.8**	**97736.**	**4984.4**
Stddev	10.2	427.	27.9
%RSD	.15250	.43645	.56068
#1	6687.0	97434.	4964.6
#2	6672.6	98038.	5004.2

Sample Name: 280-48984-g-2-b Acquired: 11/16/2013 7:31:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.42662**	**-.00022**	**.00718**	**.08181**	**.00031**	**-.00384**	**6.7167**	**.00126**	**.00671**
Stddev	.00021	.00320	.00218	.00015	.00039	.00000	.00189	.0450	.00014	.00010
%RSD	50.713	.74927	995.74	2.1380	.48076	.27291	49.323	.66961	10.761	1.5118
#1	-.00057	.42888	.00132	.00729	.08153	.00031	-.00250	6.6849	.00116	.00678
#2	-.00027	.42436	-.00176	.00707	.08209	.00031	-.00518	6.7485	.00136	.00664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00124**	**.66443**	**1.7602**	**.00753**	**2.4848**	**.03886**	**.00430**	**21.961**	**.00909**
Stddev	.00003	.00054	.00521	.0242	.00307	.0047	.00002	.00077	.116	.00012
%RSD	3.9235	43.252	.78429	1.3724	40.703	.19101	.04500	17.854	.52696	1.3680
#1	.00080	.00162	.66074	1.7431	.00970	2.4882	.03885	.00376	21.879	.00901
#2	.00076	.00086	.66811	1.7773	.00536	2.4815	.03887	.00485	22.043	.00918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01223**	**.00138**	**.13484**	**-.00064**	**.00510**	**7.6453**	**16.361**	**.00082**	**.04805**	**.00229**
Stddev	.00009	.00073	.00045	.00110	.00204	.0138	.030	.00040	.00022	.00054
%RSD	.70925	53.085	.33190	171.32	39.944	.18038	.18038	48.995	.46332	23.506
#1	.01229	.00190	.13515	-.00141	.00366	7.6356	16.340	.00054	.04789	.00268
#2	.01216	.00086	.13452	.00014	.00654	7.6551	16.382	.00110	.04821	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00576**	**.00075**	**-.00082**	**.00027**	**.01445**	**.00312**
Stddev	.00047	.00053	.02022	.00007	.00045	.00072
%RSD	8.1434	70.878	2457.2	26.496	3.1174	23.151
#1	.00542	.00038	-.01512	.00022	.01477	.00362
#2	.00609	.00113	.01347	.00032	.01414	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.8**	**102030.**	**5002.6**
Stddev	24.0	2.	.5
%RSD	.34996	.00213	.01096
#1	6880.8	102030.	5002.3
#2	6846.8	102030.	5003.0

Sample Name: 280-49149-b-2-a Acquired: 11/16/2013 7:34:13 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.04999**	**.00015**	**.08590**	**.32064**	**.00018**	**-.00610**	**61.916**	**.00130**	**.00575**
Stddev	.00013	.00045	.00240	.00066	.00087	.00011	.00035	.298	.00007	.00003
%RSD	22.960	.91012	1586.4	.77035	.27263	59.576	5.7639	.48115	5.6295	.49595
#1	-.00047	.04966	-.00154	.08544	.32126	.00026	-.00634	62.126	.00135	.00573
#2	-.00066	.05031	.00184	.08637	.32003	.00010	-.00585	61.705	.00125	.00577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00066**	**.07794**	**3.8577**	**.00467**	**14.394**	**.07899**	**.00085**	**199.36**	**.01477**
Stddev	.00003	.00022	.00107	.0798	.00025	.010	.00014	.00033	.99	.00002
%RSD	29.193	33.431	1.3778	2.0681	5.2898	.07170	.17877	39.200	.49852	.11333
#1	.00014	.00081	.07870	3.9141	.00449	14.387	.07889	.00061	200.06	.01479
#2	.00009	.00050	.07718	3.8013	.00484	14.402	.07909	.00109	198.66	.01476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01518**	**-.00016**	**4.2791**	**-.00291**	**-.00115**	**13.351**	**28.571**	**.00049**	**.37981**	**.00223**
Stddev	.00185	.00057	.0122	.00108	.00158	.122	.261	.00009	.00125	.00065
%RSD	12.196	358.98	.28418	37.022	137.10	.91479	.91479	17.711	.32996	29.141
#1	.01649	.00025	4.2705	-.00215	-.00227	13.437	28.756	.00056	.38069	.00177
#2	.01388	-.00057	4.2877	-.00367	-.00004	13.265	28.386	.00043	.37892	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00006**	**-.00736**	**.00024**	**.02015**	**.00327**
Stddev	.00015	.00031	.00630	.00008	.00013	.00166
%RSD	44.725	495.31	85.600	32.969	.63231	50.728
#1	.00023	.00028	-.01181	.00030	.02024	.00444
#2	.00043	-.00016	-.00290	.00019	.02006	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6573.4**	**96269.**	**4883.7**
Stddev	9.6	267.	45.3
%RSD	.14601	.27783	.92748
#1	6566.6	96080.	4851.7
#2	6580.2	96458.	4915.8

Sample Name: 280-49149-b-3-a Acquired: 11/16/2013 7:36:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201154 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.75998**	**-.00254**	**.02650**	**.12468**	**.00004**	**-.00509**	**21.374**	**.00108**	**.01415**
Stddev	.00027	.00155	.00021	.00032	.00046	.00005	.00054	.289	.00012	.00017
%RSD	203.79	.20385	8.3631	1.1929	.37029	145.15	10.649	1.3532	11.263	1.2139
#1	-.00032	.76107	-.00269	.02627	.12435	.00000	-.00471	21.169	.00116	.01427
#2	.00006	.75888	-.00239	.02672	.12500	.00008	-.00548	21.578	.00099	.01402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00205**	**1.7519**	**2.7005**	**.00224**	**7.0628**	**.21080**	**.00061**	**68.050**	**.01331**
Stddev	.00001	.00043	.0001	.0492	.00111	.0120	.00042	.00012	.528	.00010
%RSD	.99161	21.060	.00426	1.8222	49.748	.16972	.20001	19.480	.77637	.77866
#1	.00139	.00174	1.7519	2.6657	.00302	7.0713	.21109	.00053	67.676	.01338
#2	.00141	.00235	1.7520	2.7353	.00145	7.0543	.21050	.00069	68.423	.01323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03945**	**.00103**	**7.5514**	**-.00117**	**.00344**	**8.1615**	**17.466**	**.00020**	**.13845**	**.00103**
Stddev	.00031	.00076	.0233	.00003	.00123	.0701	.150	.00087	.00163	.00016
%RSD	.78494	73.081	.30905	2.6447	35.856	.85879	.85879	445.42	1.1799	15.212
#1	.03923	.00050	7.5349	-.00119	.00257	8.1120	17.360	.00081	.13730	.00114
#2	.03967	.00157	7.5679	-.00115	.00431	8.2111	17.572	-.00042	.13961	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**-.00016**	**-.00120**	**.00122**	**.01012**	**.00387**
Stddev	.00000	.00002	.01971	.00041	.00016	.00180
%RSD	.01146	14.308	1641.5	33.725	1.5508	46.436
#1	.01754	-.00017	.01274	.00093	.01001	.00514
#2	.01754	-.00014	-.01514	.00151	.01023	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6777.6**	**100230.**	**4961.7**
Stddev	18.5	8.	19.3
%RSD	.27252	.00781	.38874
#1	6764.5	100220.	4975.3
#2	6790.7	100240.	4948.0

Sample Name: CCVH-2382126 Acquired: 11/16/2013 7:38:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00921**	**49.546**	**-.00106**	**.00280**	**.00091**	**-.00005**	W **1.0590**	**-.00268**	**.00066**	**-.00072**	**.00025**	**.02101**
Stddev	.00061	.247	.00116	.00013	.00003	.00000	.0032	.00301	.00002	.00009	.00003	.00023
%RSD	6.6592	.49864	110.05	4.6356	2.8138	9.1914	.30061	112.10	2.9377	12.172	11.058	1.0859
#1	-.00877	49.721	-.00023	.00289	.00089	-.00005	1.0567	-.00056	.00068	-.00066	.00023	.02117
#2	-.00964	49.372	-.00188	.00271	.00093	-.00004	1.0613	-.00481	.00065	-.00078	.00027	.02085
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.275**	**-.01765**	**.00025**	**.07334**	**.00099**	**.00041**	F **302.05**	**-.00072**	**.00275**	**.00228**	**5.0373**	**-.00208**
Stddev	.259	.08312	.00026	.00381	.00009	.00014	2.72	.00008	.00096	.00025	.0051	.00249
%RSD	.54757	470.91	104.64	5.1976	8.6508	34.262	.90004	10.982	34.839	10.744	.10142	119.65
#1	47.092	-.07642	.00006	.07603	.00105	.00051	303.97	-.00066	.00342	.00246	5.0337	-.00385
#2	47.458	.04112	.00043	.07064	.00093	.00031	300.13	-.00077	.00207	.00211	5.0409	-.00032
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00353**	**-.01911**	**-.04089**	**.00077**	**.00026**	W **4.5629**	**.01780**	**.00167**	F **11.307**	**.00272**	**.00161**	**-.07648**
Stddev	.00141	.00354	.00757	.00029	.00012	.0031	.00039	.00042	.044	.00031	.00012	.00080
%RSD	39.966	18.503	18.503	37.891	44.294	.06732	2.1872	25.065	.38689	11.296	7.5582	1.0502
#1	-.00254	-.02161	-.04624	.00097	.00035	4.5651	.01753	.00197	11.338	.00293	.00153	-.07705
#2	-.00453	-.01661	-.03554	.00056	.00018	4.5607	.01808	.00137	11.276	.00250	.00170	-.07591
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6714.4**	**97618.**	**4884.3**
Stddev	9.6	234.	16.0
%RSD	.14243	.23963	.32839
#1	6707.6	97784.	4895.7
#2	6721.2	97453.	4873.0

Sample Name: CCV-2372889 Acquired: 11/16/2013 7:41:19 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48816**	**.51999**	**1.0417**	**.53007**	**.51716**	**.48842**	**-.00859**	**4.9473**	**.49843**	**.50749**	**.52260**	**.50127**	**2.4017**
Stddev	.00120	.00466	.0074	.00400	.00033	.00022	.00036	.0143	.00084	.00048	.00061	.00043	.0047
%RSD	.24631	.89531	.70973	.75378	.06438	.04522	4.1605	.28962	.16912	.09506	.11672	.08552	.19731
#1	.48901	.51669	1.0365	.52724	.51739	.48858	-.00834	4.9574	.49783	.50714	.52303	.50157	2.3983
#2	.48731	.52328	1.0469	.53289	.51692	.48827	-.00884	4.9371	.49902	.50783	.52217	.50097	2.4050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **59.772**	F **1.1185**	**18.622**	**.49368**	**.51697**	F **5.6721**	**.53271**	**1.0303**	**1.0825**	**.05006**	**1.0305**	**1.0655**	**4.8274**
Stddev	.123	.0013	.024	.00027	.00260	.0400	.00348	.0060	.0074	.00326	.0054	.0094	.0176
%RSD	.20604	.11889	.13138	.05451	.50380	.70472	.65419	.58494	.68636	6.5058	.52244	.87708	.36539
#1	59.859	1.1195	18.640	.49387	.51513	5.7003	.53025	1.0261	1.0772	.04776	1.0267	1.0589	4.8149
#2	59.685	1.1176	18.605	.49349	.51881	5.6438	.53518	1.0346	1.0877	.05236	1.0343	1.0721	4.8398
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.331**	**1.0328**	**.49334**	**.00587**	**.45893**	**1.0254**	**-.00110**	**.48192**	**.46173**	**.47941**
Stddev	.038	.0052	.00030	.00025	.00062	.0063	.00067	.00012	.00045	.00056
%RSD	.36539	.50152	.06094	4.2350	.13539	.61734	60.267	.02402	.09769	.11666
#1	10.304	1.0291	.49355	.00570	.45937	1.0209	-.00157	.48184	.46205	.47901
#2	10.357	1.0364	.49312	.00605	.45849	1.0299	-.00063	.48200	.46141	.47980
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6718.8**	**99692.**	**4871.9**
Stddev	4.4	226.	7.1
%RSD	.06587	.22708	.14487
#1	6721.9	99532.	4867.0
#2	6715.6	99853.	4876.9

Sample Name: CCB Acquired: 11/16/2013 7:43:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00033**	**.00114**	**.00135**	**.00043**	**.00007**	**-.00121**	**.00343**	**.00013**	**-.00012**	**.00021**
Stddev	.00007	.00014	.00154	.00011	.00006	.00003	.00060	.00397	.00003	.00007	.00007
%RSD	76.662	42.461	134.60	8.1715	14.170	46.904	49.081	115.82	22.174	56.267	33.304
#1	-.00014	.00023	.00006	.00127	.00048	.00004	-.00079	.00062	.00015	-.00016	.00026
#2	-.00004	.00043	.00223	.00143	.00039	.00009	-.00163	.00624	.00011	-.00007	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00195**	**.00110**	**.01733**	**-.00067**	**-.00130**	**-.00001**	**.00213**	F **.22355**	**-.00011**	**.00228**	**.00012**
Stddev	.00016	.00144	.07209	.00040	.00267	.00003	.00031	.01343	.00003	.00039	.00051
%RSD	8.2788	130.92	415.94	59.255	205.97	419.22	14.775	6.0075	28.499	17.150	423.83
#1	-.00207	.00211	.06831	-.00039	-.00319	-.00003	.00191	.23305	-.00013	.00200	.00049
#2	-.00184	.00008	-.03364	-.00095	.00059	.00002	.00235	.21405	-.00009	.00256	-.00024
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04439**	**.00206**	**.00414**	**-.00029**	**-.00063**	**.00009**	**-.00001**	**-.00023**	**-.00002**	**-.00092**	**.01956**
Stddev	.00047	.00118	.00070	.01007	.02156	.00041	.00004	.00100	.00023	.00048	.01542
%RSD	1.0549	57.195	16.930	3423.4	3423.4	465.03	325.92	428.16	986.67	52.230	78.825
#1	.04472	.00289	.00463	-.00742	-.01587	-.00020	.00002	-.00094	-.00019	-.00126	.03047
#2	.04405	.00122	.00364	.00683	.01462	.00038	-.00004	.00047	.00014	-.00058	.00866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00076**	**.00250**	W **.00423**
Stddev	.00020	.00036	.00163
%RSD	26.382	14.594	38.656
#1	-.00062	.00276	.00538
#2	-.00090	.00224	.00307
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6774.3**	**101000.**	**4793.1**
Stddev	3.6	315.	8.1
%RSD	.05367	.31214	.16942
#1	6776.9	101230.	4798.8
#2	6771.7	100780.	4787.3

Sample Name: CCVL2383195 Acquired: 11/16/2013 7:45:51 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01000**	**.10920**	**.01720**	**.11099**	**.01055**	**.00094**	**.12267**	**.21726**	**.00527**	**.01058**	**.01077**	**.01409**	**.09826**
Stddev	.00043	.00050	.00019	.00018	.00007	.00005	.00076	.00474	.00019	.00015	.00009	.00052	.00515
%RSD	4.2897	.46150	1.0892	.15870	.66284	4.8412	.61874	2.1808	3.5406	1.4580	.79784	3.6661	5.2410
#1	.01030	.10956	.01733	.11111	.01050	.00098	.12321	.21391	.00540	.01047	.01083	.01372	.09462
#2	.00970	.10884	.01707	.11086	.01060	.00091	.12213	.22061	.00513	.01069	.01071	.01445	.10191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6837**	F **.01320**	**.19846**	**.01018**	**.02118**	F **1.3250**	**.04410**	**3.1522**	**.01062**	**.03331**	**.01137**	**.01841**	**.50753**
Stddev	.0299	.00275	.00181	.00000	.00002	.0108	.00008	.0152	.00016	.00069	.00064	.00358	.00156
%RSD	.81106	20.873	.91096	.03788	.11516	.81529	.19236	.48230	1.5016	2.0807	5.6020	19.459	.30794
#1	3.6626	.01125	.19974	.01019	.02117	1.3173	.04416	3.1414	.01073	.03380	.01092	.01587	.50643
#2	3.7049	.01514	.19718	.01018	.02120	1.3326	.04404	3.1629	.01050	.03282	.01182	.02094	.50864
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0861**	**.11151**	**.01023**	**.01351**	**.00944**	**.01667**	**.06620**	**.00905**	**.02331**	**.01761**
Stddev	.0033	.00041	.00013	.00082	.00027	.00039	.00670	.00009	.00006	.00217
%RSD	.30794	.36581	1.2844	6.0845	2.9111	2.3452	10.124	.97775	.26639	12.295
#1	1.0838	.11180	.01014	.01292	.00964	.01639	.07094	.00911	.02335	.01915
#2	1.0885	.11122	.01033	.01409	.00925	.01695	.06146	.00899	.02326	.01608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6960.1**	**103350.**	**4924.5**
Stddev	1.8	125.	10.9
%RSD	.02641	.12050	.22234
#1	6961.4	103260.	4916.8
#2	6958.8	103440.	4932.3

Sample Name: mb 280-200824/1-b Acquired: 11/16/2013 7:48:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201187 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00563**	**-.00016**	**.00071**	**.00058**	**.00005**	**-.00274**	**.03575**	**.00010**	**-.00004**
Stddev	.00013	.00029	.00009	.00055	.00007	.00002	.00068	.00311	.00010	.00003
%RSD	6766.3	5.1468	57.143	77.190	12.158	52.612	24.680	8.7104	97.473	75.308
#1	.00009	.00542	-.00010	.00032	.00063	.00003	-.00227	.03795	.00017	-.00002
#2	-.00009	.00583	-.00023	.00110	.00053	.00006	-.00322	.03355	.00003	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00119**	W **.07761**	**-.02592**	**-.00095**	**.00224**	**.00044**	**.00034**	**.29443**	**-.00009**
Stddev	.00002	.00039	.00152	.06798	.00144	.00033	.00003	.00007	.00935	.00003
%RSD	14.446	32.851	1.9630	262.27	150.98	14.693	5.7726	22.074	3.1751	34.207
#1	.00016	-.00091	.07653	.02215	.00006	.00247	.00042	.00029	.30104	-.00011
#2	.00013	-.00146	.07869	-.07399	-.00197	.00200	.00046	.00039	.28782	-.00007
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00490**	**.00028**	W **.05213**	**-.00040**	**-.00217**	**.00297**	**.00635**	**.00058**	**.00009**	**-.00040**
Stddev	.00132	.00099	.00068	.00024	.00096	.01543	.03302	.00009	.00003	.00015
%RSD	26.923	347.66	1.3013	59.796	44.166	520.01	520.01	14.877	28.555	36.379
#1	.00397	.00098	.05165	-.00023	-.00149	-.00794	-.01700	.00064	.00007	-.00051
#2	.00584	-.00042	.05261	-.00057	-.00285	.01388	.02970	.00051	.00011	-.00030
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00040**	**.02478**	**-.00066**	**.00681**	**.00469**
Stddev	.00029	.00123	.01670	.00005	.00025	.00172
%RSD	161.69	304.90	67.415	8.1825	3.7399	36.590
#1	.00003	.00047	.03659	-.00070	.00699	.00348
#2	-.00039	-.00127	.01297	-.00062	.00663	.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.2**	**103490.**	**4954.4**
Stddev	30.8	206.	53.5
%RSD	.44594	.19892	1.0791
#1	6932.0	103340.	4992.2
#2	6888.4	103630.	4916.6

Sample Name: lcs 280-200824/2-b Acquired: 11/16/2013 7:50:33 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201187 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04794	1.9750	1.0954	1.0799	2.1530	.05003	2.2367	49.431	.10244	.50323
Stddev	.00023	.0037	.0045	.0024	.0292	.00021	.0067	.618	.00026	.00039
%RSD	.48089	.18933	.41397	.21764	1.3583	.41356	.30024	1.2499	.25040	.07660
#1	.04778	1.9777	1.0986	1.0816	2.1323	.04988	2.2415	48.994	.10262	.50296
#2	.04810	1.9724	1.0922	1.0783	2.1737	.05018	2.2320	49.868	.10226	.50351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21249	.26176	1.0417	F 62.933	F 1.1758	48.012	.49789	1.0410	F 63.546	.52378
Stddev	.00053	.00046	.0016	.814	.0166	.039	.00041	.0024	1.026	.00045
%RSD	.25023	.17695	.15698	1.2933	1.4082	.08211	.08212	.23366	1.6141	.08595
#1	.21286	.26144	1.0429	62.357	1.1641	48.040	.49760	1.0427	62.821	.52410
#2	.21211	.26209	1.0405	63.508	1.1875	47.985	.49818	1.0393	64.271	.52346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.753	.53893	.03802	.52510	2.2342	9.7971	20.966	2.0675	1.0267	.94128
Stddev	.043	.00101	.00052	.00306	.0240	.1316	.282	.0165	.0150	.00249
%RSD	.40255	.18784	1.3758	.58321	1.0746	1.3431	1.3431	.79626	1.4604	.26447
#1	10.783	.53964	.03839	.52726	2.2512	9.7041	20.767	2.0792	1.0161	.94304
#2	10.722	.53821	.03765	.52293	2.2172	9.8902	21.165	2.0559	1.0373	.93952
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94718	2.0178	F 2.3723	.49734	.46844	.47022
Stddev	.00016	.0165	.0060	.00046	.00058	.00727
%RSD	.01729	.81872	.25063	.09282	.12356	1.5463
#1	.94729	2.0295	2.3681	.49767	.46803	.46508
#2	.94706	2.0061	2.3765	.49701	.46885	.47536
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6665.3	97965.	4922.9
Stddev	.9	8.	79.5
%RSD	.01295	.00834	1.6148
#1	6665.9	97970.	4979.1
#2	6664.7	97959.	4866.7

Sample Name: 280-48946-j-12-e Acquired: 11/16/2013 7:52:41 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201187 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00200**	**.00054**	**.00198**	**.00008**	**.00003**	**-.00028**	**.01077**	**.00028**	**.00004**
Stddev	.00007	.00047	.00086	.00037	.00023	.00014	.00006	.00208	.00005	.00009
%RSD	134.13	23.619	159.31	18.761	288.61	468.44	22.414	19.362	17.111	203.75
#1	.00000	.00167	.00115	.00225	.00024	-.00007	-.00024	.00929	.00025	-.00002
#2	.00010	.00233	-.00007	.00172	-.00008	.00013	-.00032	.01224	.00032	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00162**	**.05761**	**-.01670**	**-.00009**	**.00134**	**.00031**	**.00477**	**.19546**	**-.00004**
Stddev	.00001	.00023	.00272	.03541	.00154	.00015	.00003	.00108	.00957	.00001
%RSD	6.1883	14.339	4.7267	212.04	1776.1	11.494	9.9720	22.737	4.8957	16.967
#1	.00015	-.00145	.05569	-.04174	-.00118	.00123	.00033	.00400	.20223	-.00004
#2	.00014	-.00178	.05954	.00834	.00100	.00145	.00029	.00553	.18869	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00452**	**.00038**	**.04051**	**-.00006**	**.00347**	**-.02188**	**-.04683**	**.00143**	**-.00009**	**.00099**
Stddev	.00147	.00057	.00236	.00027	.00238	.01381	.02955	.00052	.00001	.00076
%RSD	32.426	149.73	5.8192	460.65	68.613	63.100	63.100	36.356	6.7363	76.828
#1	.00349	-.00002	.04218	.00013	.00515	-.03165	-.06773	.00106	-.00010	.00152
#2	.00556	.00078	.03885	-.00025	.00178	-.01212	-.02594	.00179	-.00009	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00058**	**.02086**	**-.00050**	**.00385**	**.00352**
Stddev	.00007	.00059	.01828	.00018	.00019	.00177
%RSD	272.93	100.95	87.645	35.588	4.9686	50.230
#1	-.00002	.00017	.00793	-.00063	.00399	.00477
#2	.00007	.00100	.03379	-.00037	.00372	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6926.9**	**103730.**	**4967.0**
Stddev	10.0	162.	2.6
%RSD	.14443	.15617	.05227
#1	6934.0	103620.	4968.8
#2	6919.8	103850.	4965.2

Sample Name: 280-49153-d-1-b Acquired: 11/16/2013 7:55:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201187 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.00188**	**-.00036**	**.29248**	**.06056**	**-.00012**	**-.00367**	**469.06**	**.00120**	**.00288**
Stddev	.00006	.00001	.00227	.00012	.00030	.00003	.00263	.99	.00001	.00012
%RSD	7.5173	.79576	637.36	.04103	.49245	26.338	71.733	.21162	.89464	4.3114
#1	-.00073	.00187	-.00196	.29239	.06077	-.00014	-.00554	469.76	.00119	.00279
#2	-.00081	.00189	.00125	.29256	.06035	-.00009	-.00181	468.36	.00120	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00099**	**.08422**	**4.3751**	**.16948**	**72.326**	**.62383**	**.00185**	**442.41**	**.03197**
Stddev	.00006	.00027	.00040	.0716	.00266	.058	.00121	.00013	4.55	.00035
%RSD	53.609	27.605	.46985	1.6361	1.5697	.07984	.19321	7.0013	1.0295	1.0865
#1	.00016	.00079	.08450	4.4257	.17136	72.367	.62298	.00176	445.63	.03222
#2	.00007	.00118	.08394	4.3245	.16760	72.285	.62468	.00195	439.19	.03173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15547**	**-.00196**	**82.211**	**.00333**	**.00086**	**22.041**	**47.167**	**.00013**	**1.4539**	**.00130**
Stddev	.00173	.00070	.094	.00134	.00091	.184	.395	.00011	.0156	.00127
%RSD	1.1125	35.842	.11455	40.373	105.51	.83674	.83674	83.888	1.0743	97.547
#1	.15425	-.00146	82.145	.00238	.00150	22.171	47.447	.00021	1.4649	.00221
#2	.15669	-.00246	82.278	.00428	.00022	21.910	46.888	.00005	1.4428	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.00008**	**.00317**	**.00075**	**.00668**	**.00332**
Stddev	.00005	.00129	.03065	.00020	.00023	.00010
%RSD	4.3384	1664.7	966.32	26.313	3.4891	3.0200
#1	-.00123	.00099	-.01850	.00061	.00652	.00339
#2	-.00116	-.00084	.02484	.00089	.00684	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6173.9**	**91217.**	**4779.9**
Stddev	13.6	194.	21.3
%RSD	.22103	.21248	.44533
#1	6164.3	91354.	4764.9
#2	6183.6	91080.	4795.0

Sample Name: 280-49153-d-1-bSD@5 Acquired: 11/16/2013 7:57:34 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201187 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01030**	**-.00129**	**.06168**	**.01229**	**.00000**	**-.00194**	**96.732**	**.00053**	**.00058**
Stddev	.00028	.00001	.00129	.00060	.00003	.0000	.00095	.031	.00007	.00012
%RSD	171.15	.09538	99.740	.96995	.22787	2594.3	48.974	.03160	12.216	20.416
#1	-.00036	.01031	-.00038	.06210	.01228	.00002	-.00262	96.754	.00049	.00049
#2	.00003	.01030	-.00220	.06126	.01231	-.00002	-.00127	96.711	.00058	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00057**	**.02878**	**.81794**	**.03450**	**15.076**	**.12996**	**.00039**	**89.685**	**.00656**
Stddev	.00001	.00022	.00401	.02541	.00165	.080	.00019	.00016	.682	.00017
%RSD	5.6021	38.245	13.947	3.1069	4.7919	.53206	.14799	41.372	.76029	2.5993
#1	.00026	-.00073	.02594	.83591	.03333	15.133	.13010	.00050	89.203	.00644
#2	.00024	-.00042	.03162	.79997	.03567	15.019	.12983	.00027	90.168	.00668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03538**	**.00002**	**16.064**	**-.00144**	**-.00026**	**4.3854**	**9.3847**	**.00136**	**.29477**	**.00094**
Stddev	.00044	.00064	.043	.00089	.00037	.0069	.0148	.00042	.00164	.00159
%RSD	1.2523	3190.3	.26786	61.803	144.06	.15774	.15774	31.056	.55597	168.87
#1	.03507	.00047	16.095	-.00081	.00000	4.3903	9.3952	.00166	.29593	.00207
#2	.03570	-.00043	16.034	-.00207	-.00052	4.3805	9.3743	.00106	.29362	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00067**	**.00637**	**-.00038**	**.00730**	**.00323**
Stddev	.00068	.00110	.02498	.00040	.00031	.00151
%RSD	159.39	163.55	392.17	105.06	4.2716	46.912
#1	-.00091	-.00011	-.01129	-.00010	.00752	.00430
#2	.00005	.00145	.02404	-.00067	.00708	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6574.7**	**97846.**	**4912.0**
Stddev	13.1	98.	30.8
%RSD	.19960	.10051	.62751
#1	6565.4	97777.	4933.8
#2	6584.0	97916.	4890.2

Sample Name: 280-49153-d-1-c ms Acquired: 11/16/2013 7:59:56 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201187 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03593	1.3781	.82868	1.3618	1.6075	.03587	F 1.5919	494.14	.07648	.35547
Stddev	.00047	.0000	.00252	.0004	.0116	.00007	.0023	.74	.00012	.00106
%RSD	1.2967	.00288	.30407	.02801	.71992	.20186	.14324	.14963	.15824	.29705
#1	.03560	1.3781	.82690	1.3616	1.6157	.03592	1.5903	494.67	.07640	.35472
#2	.03626	1.3781	.83046	1.3621	1.5993	.03582	1.5935	493.62	.07657	.35621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15282	.19247	.77254	52.610	1.0556	107.18	.98522	1.0414	489.09	.39662
Stddev	.00052	.00066	.00283	.486	.0059	.54	.00303	.0011	4.21	.00073
%RSD	.33872	.34195	.36588	.92355	.55649	.50825	.30740	.10749	.86006	.18446
#1	.15245	.19293	.77454	52.953	1.0598	107.57	.98736	1.0406	492.06	.39610
#2	.15319	.19200	.77054	52.266	1.0515	106.80	.98308	1.0422	486.11	.39713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 8.2784	.36644	82.968	.53721	1.6474	31.952	68.378	W 2.0079	2.1913	.67902
Stddev	.0111	.00153	.017	.00131	.0029	.127	.272	.0064	.0168	.00002
%RSD	.13394	.41649	.02047	.24446	.17469	.39736	.39736	.31771	.76513	.00286
#1	8.2706	.36536	82.956	.53628	1.6454	32.042	68.570	2.0034	2.2032	.67900
#2	8.2863	.36752	82.980	.53814	1.6495	31.862	68.186	2.0124	2.1795	.67903
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94819	1.2819	1.7455	.36019	.33141	.47678
Stddev	.00317	.0025	.0381	.00123	.00284	.00359
%RSD	.33449	.19267	2.1828	.34243	.85616	.75308
#1	.94595	1.2801	1.7725	.36107	.33341	.47932
#2	.95043	1.2836	1.7186	.35932	.32940	.47424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6130.3	90760.	4846.7
Stddev	9.2	406.	54.6
%RSD	.14972	.44679	1.1255
#1	6136.7	90473.	4808.2
#2	6123.8	91047.	4885.3

Sample Name: 280-49153-d-1-d msd Acquired: 11/16/2013 8:02:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201187 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05012**	**1.8557**	**1.1364**	**1.3569**	**2.1984**	**.04898**	F **2.1881**	W **505.07**	**.10426**	**.48168**
Stddev	.00050	.0013	.0016	.0067	.0074	.00010	.0085	9.07	.00027	.00128
%RSD	.98991	.07039	.14404	.49620	.33860	.20345	.38915	1.7967	.25776	.26595
#1	.04977	1.8566	1.1375	1.3617	2.2037	.04891	2.1941	511.49	.10407	.48077
#2	.05047	1.8548	1.1352	1.3521	2.1931	.04905	2.1820	498.66	.10445	.48259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20874**	**.26387**	**1.0410**	**70.446**	**1.3948**	**119.51**	**1.1139**	**1.0477**	W **507.14**	**.53017**
Stddev	.00096	.00126	.0020	.172	.0071	.08	.0018	.0014	2.10	.00388
%RSD	.46207	.47647	.19222	.24347	.50801	.06995	.15949	.12934	.41488	.73245
#1	.20942	.26298	1.0396	70.567	1.3999	119.45	1.1126	1.0468	508.63	.53291
#2	.20806	.26476	1.0424	70.325	1.3898	119.57	1.1151	1.0487	505.65	.52742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.323**	**.49961**	**83.263**	**.53569**	**2.2508**	**31.930**	**68.330**	**1.9966**	**2.4817**	**.93402**
Stddev	.023	.00228	.229	.00156	.0219	.218	.466	.0105	.0073	.00250
%RSD	.20503	.45568	.27498	.29083	.97333	.68256	.68256	.52580	.29624	.26756
#1	11.307	.50122	83.101	.53679	2.2663	31.776	68.000	2.0040	2.4868	.93225
#2	11.340	.49800	83.425	.53459	2.2354	32.084	68.660	1.9892	2.4765	.93579
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95040**	**1.7594**	**2.3371**	**.49459**	**.44978**	**.46823**
Stddev	.00178	.0075	.0225	.00036	.00100	.00043
%RSD	.18766	.42639	.96238	.07178	.22202	.09248
#1	.94914	1.7647	2.3212	.49484	.45049	.46854
#2	.95166	1.7541	2.3530	.49434	.44908	.46792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6109.7**	**90334.**	**4827.7**
Stddev	5.9	19.	34.1
%RSD	.09634	.02074	.70623
#1	6105.5	90347.	4803.6
#2	6113.9	90321.	4851.8

Sample Name: CCVH-2382126 Acquired: 11/16/2013 8:04:34 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00879**	**49.504**	**.00110**	**.00513**	**.00067**	**-.00008**	W **1.0684**	**.01790**	**.00082**	**-.00043**	**.00013**	**.02104**
Stddev	.00001	.005	.00316	.00089	.00028	.00004	.0059	.00436	.00009	.00009	.00001	.00020
%RSD	.05741	.01048	286.54	17.451	42.292	47.767	.55360	24.362	11.113	21.966	9.6590	.96372
#1	-.00880	49.507	-.00113	.00576	.00047	-.00006	1.0726	.02098	.00089	-.00036	.00014	.02089
#2	-.00879	49.500	.00333	.00450	.00087	-.00011	1.0642	.01482	.00076	-.00050	.00012	.02118
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.332**	**.11034**	**.00131**	**.10345**	**.00126**	**.00507**	F **302.83**	**-.00061**	**.01214**	**.00249**	**5.0884**	**-.00350**
Stddev	.046	.01604	.00197	.00062	.00003	.00102	.03	.00016	.00172	.00152	.0128	.00185
%RSD	.09678	14.537	150.45	.60348	2.1894	20.105	.00959	26.714	14.168	61.037	.25240	52.684
#1	47.365	.12168	.00271	.10389	.00124	.00435	302.86	-.00073	.01335	.00357	5.0975	-.00481
#2	47.300	.09900	-.00008	.10301	.00128	.00579	302.81	-.00050	.01092	.00142	5.0794	-.00220
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00150**	**.02050**	**.04386**	**.00101**	**.00046**	W **4.5748**	**.01822**	**.00227**	F **11.329**	**.00367**	**.00165**	**-.07474**
Stddev	.00039	.02611	.05588	.00048	.00006	.0038	.00003	.00034	.044	.00015	.00010	.00136
%RSD	25.661	127.40	127.40	47.140	14.155	.08336	.18029	14.781	.39006	4.1839	6.1643	1.8177
#1	-.00123	.03896	.08338	.00135	.00050	4.5721	.01824	.00203	11.360	.00378	.00172	-.07570
#2	-.00177	.00203	.00435	.00068	.00041	4.5775	.01819	.00251	11.298	.00357	.00158	-.07378
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6763.8**	**98391.**	**4980.9**
Stddev	10.8	20.	43.8
%RSD	.15939	.02083	.87841
#1	6771.4	98377.	5011.8
#2	6756.2	98406.	4949.9

Sample Name: CCV-2372889 Acquired: 11/16/2013 8:06:59 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49098**	**.51863**	**1.0439**	**.53369**	**.52847**	**.49351**	**-.01029**	**4.9735**	**.50338**	**.50865**	**.52182**	**.50448**	**2.4313**
Stddev	.00013	.00179	.0017	.00407	.00050	.00068	.00052	.0078	.00005	.00012	.00005	.00139	.0021
%RSD	.02680	.34443	.15797	.76219	.09519	.13748	5.0763	.15697	.01029	.02434	.00864	.27630	.08695
#1	.49107	.51989	1.0451	.53656	.52883	.49399	-.01066	4.9680	.50334	.50856	.52185	.50349	2.4298
#2	.49088	.51737	1.0428	.53081	.52812	.49303	-.00992	4.9790	.50341	.50874	.52179	.50547	2.4328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **60.558**	F **1.1389**	**18.788**	**.49526**	**.52027**	F **5.8088**	**.53131**	**1.0358**	**1.0834**	**.04655**	**1.0473**	**1.0755**	**4.8118**
Stddev	.079	.0012	.031	.00139	.00241	.0268	.00517	.0037	.0030	.00358	.0012	.0045	.0511
%RSD	.13047	.10400	.16402	.28036	.46284	.46104	.97380	.36115	.28046	7.6807	.11012	.41533	1.0621
#1	60.614	1.1397	18.810	.49625	.52197	5.8277	.53497	1.0384	1.0813	.04908	1.0481	1.0723	4.7757
#2	60.503	1.1380	18.766	.49428	.51857	5.7898	.52766	1.0331	1.0855	.04402	1.0465	1.0786	4.8480
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.297**	**1.0416**	**.50448**	**.00740**	**.46443**	**1.0404**	**-.00279**	**.48344**	**.46800**	**.48082**
Stddev	.109	.0023	.00154	.00085	.00175	.0013	.01643	.00100	.00123	.00052
%RSD	1.0621	.21804	.30614	11.520	.37619	.12201	588.74	.20785	.26381	.10763
#1	10.220	1.0400	.50557	.00801	.46320	1.0413	-.01441	.48273	.46888	.48046
#2	10.375	1.0432	.50339	.00680	.46567	1.0395	.00883	.48415	.46713	.48119
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6793.4**	**99752.**	**4932.3**
Stddev	6.4	678.	3.4
%RSD	.09452	.67967	.06821
#1	6797.9	99273.	4934.7
#2	6788.9	100230.	4929.9

Sample Name: CCB Acquired: 11/16/2013 8:09:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00109**	**-.00046**	**.00269**	**.00032**	**-.00002**	**-.00479**	**.00556**	**.00019**	**.00006**	**.00017**
Stddev	.00032	.00149	.00137	.00052	.00019	.00001	.00022	.00338	.00013	.00005	.00006
%RSD	119.43	137.41	293.93	19.432	60.795	62.804	4.6821	60.688	67.718	92.526	36.161
#1	-.00050	.00003	-.00143	.00306	.00045	-.00002	-.00495	.00795	.00010	.00010	.00013
#2	-.00004	.00214	.00050	.00232	.00018	-.00001	-.00463	.00318	.00028	.00002	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00151**	**.00047**	**-.02061**	**.00212**	**-.00073**	**.00001**	**.00274**	F **.21973**	**.00006**	**.00134**	**.00019**
Stddev	.00045	.00073	.02143	.00213	.00035	.00003	.00056	.00808	.00015	.00056	.00031
%RSD	29.409	155.12	103.99	100.53	48.510	253.18	20.431	3.6778	242.84	41.760	165.83
#1	-.00120	.00098	-.00545	.00362	-.00048	.00003	.00234	.22544	-.00004	.00174	-.00003
#2	-.00183	-.00005	-.03576	.00061	-.00098	-.00001	.00313	.21401	.00017	.00095	.00040
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04068**	**.00259**	**.00432**	**-.01160**	**-.02483**	**.00101**	**.00009**	**.00068**	**-.00023**	**-.00027**	**.00534**
Stddev	.00141	.00239	.00102	.01050	.02248	.00002	.00006	.00041	.00021	.00028	.00360
%RSD	3.4539	92.277	23.673	90.528	90.528	1.9719	66.295	59.922	92.046	104.59	67.439
#1	.04168	.00427	.00504	-.01903	-.04073	.00102	.00013	.00097	-.00037	-.00047	.00789
#2	.03969	.00090	.00360	-.00418	-.00894	.00099	.00005	.00039	-.00008	-.00007	.00280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00063**	**.00283**	**.00214**
Stddev	.00030	.00002	.00220
%RSD	47.252	.80230	102.39
#1	-.00084	.00282	.00059
#2	-.00042	.00285	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6791.7**	**101970.**	**4864.7**
Stddev	32.8	591.	25.4
%RSD	.48339	.57912	.52191
#1	6768.5	101550.	4882.7
#2	6814.9	102390.	4846.8

Sample Name: CCVL2383195 Acquired: 11/16/2013 8:11:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00966**	**.10567**	**.01633**	**.10735**	**.01038**	**.00089**	**.11992**	**.19344**	**.00518**	**.01032**	**.01043**	**.01377**	**.10014**
Stddev	.00029	.00019	.00052	.00090	.00028	.00004	.00114	.00696	.00015	.00004	.00000	.00011	.00342
%RSD	2.9898	.18403	3.1587	.84226	2.6523	4.9559	.94944	3.5999	2.9834	.39629	.00037	.78433	3.4127
#1	.00986	.10553	.01670	.10671	.01058	.00092	.11911	.19837	.00507	.01035	.01043	.01370	.09772
#2	.00945	.10581	.01597	.10799	.01019	.00085	.12072	.18852	.00529	.01029	.01043	.01385	.10255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5596**	**.01099**	**.19138**	**.00983**	**.02034**	**1.2773**	**.04281**	**3.0086**	**.01075**	**.03158**	**.00978**	**.01696**	**.46290**
Stddev	.0518	.00001	.00208	.00003	.00004	.0042	.00008	.0162	.00013	.00007	.00011	.00118	.00246
%RSD	1.4547	.11997	1.0875	.25922	.20847	.32655	.18742	.53872	1.2257	.22209	1.0798	6.9573	.53241
#1	3.5230	.01100	.19285	.00981	.02037	1.2744	.04276	2.9971	.01084	.03163	.00971	.01779	.46115
#2	3.5962	.01098	.18991	.00985	.02031	1.2803	.04287	3.0200	.01065	.03153	.00986	.01612	.46464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99060**	**.10771**	**.00988**	**.01305**	**.00914**	**.01695**	F **.09000**	**.00869**	**.02186**	**.01789**
Stddev	.00527	.00076	.00010	.00078	.00009	.00000	.00334	.00012	.00009	.00122
%RSD	.53241	.70110	.98196	5.9899	.98086	.02510	3.7131	1.4359	.41328	6.8311
#1	.98687	.10717	.00981	.01361	.00921	.01695	.09236	.00860	.02192	.01875
#2	.99433	.10824	.00995	.01250	.00908	.01694	.08763	.00878	.02179	.01703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6947.2**	**103980.**	**4980.5**
Stddev	10.0	549.	18.5
%RSD	.14375	.52821	.37135
#1	6954.2	104370.	4967.4
#2	6940.1	103590.	4993.6

Sample Name: mb 280-200855/1-b Acquired: 11/16/2013 8:13:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00039**	**.00577**	**-.00226**	**.00141**	**.00019**	**.00000**	**-.00223**	**.01737**	**.00019**	**-.00014**
Stddev	.00022	.00118	.00079	.00045	.00024	.00004	.00098	.00329	.00008	.00015
%RSD	57.273	20.465	34.789	31.729	127.08	18752.	43.749	18.964	40.871	105.03
#1	-.00023	.00493	-.00171	.00172	.00002	.00003	-.00293	.01504	.00024	-.00025
#2	-.00055	.00660	-.00282	.00109	.00036	-.00003	-.00154	.01970	.00013	-.00004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00083**	**.00710**	**-.00641**	**.00048**	**.00250**	**.00016**	**.00060**	W **.18425**	**-.00005**
Stddev	.00000	.00009	.00185	.00642	.00117	.00154	.00004	.00034	.01327	.00002
%RSD	1.2535	11.446	26.093	100.07	245.57	61.566	22.034	57.332	7.2014	36.185
#1	.00016	-.00076	.00841	-.01095	.00131	.00141	.00018	.00036	.17486	-.00004
#2	.00015	-.00090	.00579	-.00188	-.00035	.00359	.00013	.00084	.19363	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00588**	**.00092**	F **.03657**	**.00076**	**.00072**	**-.00032**	**-.00069**	**.00081**	**-.00003**	W **.00033**
Stddev	.00094	.00033	.00150	.00213	.00140	.00427	.00915	.00019	.00001	.00115
%RSD	15.932	36.179	4.1055	279.77	194.93	1316.9	1316.9	23.549	39.149	344.54
#1	.00522	.00069	.03764	-.00075	.00171	-.00335	-.00716	.00068	-.00002	.00114
#2	.00655	.00116	.03551	.00227	-.00027	.00270	.00577	.00095	-.00004	-.00048
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00003**	**-.01101**	**-.00081**	W **.00366**	**.00533**
Stddev	.00003	.00049	.03169	.00019	.00005	.00074
%RSD	233.88	1419.7	287.78	22.876	1.5005	13.860
#1	-.00003	-.00038	-.03342	-.00094	.00362	.00585
#2	.00001	.00031	.01140	-.00068	.00370	.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6904.0**	**104050.**	**4891.9**
Stddev	3.1	242.	45.1
%RSD	.04530	.23282	.92262
#1	6901.7	103880.	4860.0
#2	6906.2	104220.	4923.8

Sample Name: lcs 280-200855/2-b Acquired: 11/16/2013 8:16:13 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04810**	**1.9946**	**1.1018**	**1.1049**	**2.1496**	**.04993**	**2.2461**	**49.163**	**.10243**	**.50634**
Stddev	.00016	.0004	.0083	.0010	.0190	.00000	.0094	.374	.00005	.00022
%RSD	.33728	.01946	.74883	.09256	.88457	.00979	.41873	.76100	.05272	.04269
#1	.04822	1.9949	1.1077	1.1042	2.1631	.04994	2.2528	49.428	.10247	.50650
#2	.04799	1.9944	1.0960	1.1057	2.1362	.04993	2.2395	48.899	.10239	.50619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21409**	**.26412**	**.99025**	F **62.978**	F **1.1796**	**48.172**	**.50125**	**1.0642**	F **64.111**	**.52912**
Stddev	.00015	.00109	.00313	.452	.0089	.019	.00002	.0009	.367	.00021
%RSD	.06871	.41115	.31646	.71704	.75157	.03933	.00319	.08856	.57264	.03975
#1	.21420	.26489	.98803	63.297	1.1858	48.159	.50127	1.0635	63.852	.52927
#2	.21399	.26335	.99247	62.658	1.1733	48.186	.50124	1.0649	64.371	.52898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.826**	**.54292**	**.03320**	**.53629**	F **2.2544**	**9.9016**	**21.189**	**2.1166**	**1.0226**	**.94590**
Stddev	.003	.00025	.00070	.00527	.0095	.0360	.077	.0076	.0073	.00267
%RSD	.02353	.04682	2.1082	.98193	.42059	.36344	.36344	.35845	.71690	.28277
#1	10.824	.54310	.03370	.54002	2.2611	9.8761	21.135	2.1220	1.0278	.94401
#2	10.828	.54274	.03271	.53257	2.2477	9.9270	21.244	2.1113	1.0174	.94779
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2400					
Low Limit					1.7000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96247**	**2.0258**	F **2.4093**	**.49946**	**.46672**	**.47535**
Stddev	.00025	.0101	.0101	.00080	.00102	.00528
%RSD	.02611	.49934	.42085	.15935	.21879	1.1111
#1	.96229	2.0329	2.4165	.49890	.46600	.47161
#2	.96264	2.0186	2.4021	.50002	.46744	.47908
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6624.3**	**97984.**	**4926.1**
Stddev	2.7	109.	16.5
%RSD	.04036	.11155	.33452
#1	6626.2	97907.	4914.4
#2	6622.4	98062.	4937.8

Sample Name: lcsd 280-200855/3-b Acquired: 11/16/2013 8:18:22 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04917**	**2.0190**	F **1.1215**	F **1.1264**	**2.1903**	**.05104**	**2.2795**	**50.003**	**.10463**	**.51313**
Stddev	.00047	.0054	.0042	.0074	.0094	.00013	.0156	.097	.00064	.00112
%RSD	.95288	.26707	.37634	.65311	.42749	.26281	.68321	.19495	.60734	.21748
#1	.04950	2.0152	1.1185	1.1212	2.1969	.05095	2.2685	50.072	.10418	.51234
#2	.04883	2.0229	1.1245	1.1316	2.1837	.05114	2.2905	49.934	.10508	.51392
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1050	1.1050						
Low Limit			.87500	.86000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21835**	**.26816**	**1.0080**	F **64.097**	F **1.1969**	**48.871**	**.50904**	**1.0812**	F **65.151**	**.53874**
Stddev	.00147	.00206	.0086	.150	.0023	.250	.00262	.0006	.539	.00301
%RSD	.67286	.76924	.84877	.23365	.19026	.51213	.51376	.05221	.82687	.55913
#1	.21731	.26962	1.0019	64.203	1.1985	49.048	.51089	1.0808	64.770	.53661
#2	.21939	.26670	1.0140	63.991	1.1953	48.694	.50719	1.0816	65.532	.54087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.961**	F **.55495**	**.03290**	W **.54562**	F **2.2958**	**10.097**	**21.607**	**2.1532**	**1.0434**	**.95992**
Stddev	.005	.00220	.00213	.00433	.0049	.085	.182	.0045	.0051	.01142
%RSD	.04585	.39568	6.4860	.79411	.21312	.84026	.84026	.20911	.48683	1.1900
#1	10.964	.55340	.03441	.54869	2.2923	10.037	21.479	2.1501	1.0470	.96799
#2	10.957	.55651	.03139	.54256	2.2992	10.157	21.735	2.1564	1.0398	.95184
Check ?	Chk Pass	Chk Fail	None	Chk Warn	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.55000		.54000	2.2400					
Low Limit		.44500		.44000	1.7000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97823**	**2.0586**	F **2.4417**	**.50635**	**.47304**	**.48792**
Stddev	.00720	.0075	.0061	.00196	.00012	.00433
%RSD	.73601	.36603	.24962	.38688	.02469	.88784
#1	.98332	2.0533	2.4460	.50774	.47296	.48485
#2	.97314	2.0639	2.4374	.50497	.47312	.49098
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6615.3**	**97752.**	**4900.4**
Stddev	6.6	85.	4.6
%RSD	.10024	.08694	.09310
#1	6619.9	97692.	4897.1
#2	6610.6	97812.	4903.6

Sample Name: 280-49163-a-1-b Acquired: 11/16/2013 8:20:30 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00416**	**-.00024**	**.02428**	**.08085**	**.00001**	**-.00387**	**56.520**	**.00042**	**-.00018**
Stddev	.00039	.00008	.00229	.00013	.00033	.00011	.00109	.242	.00006	.00007
%RSD	924.46	1.9265	945.98	.55447	.41133	1216.0	28.199	.42794	14.594	37.762
#1	.00023	.00421	-.00186	.02437	.08061	-.00007	-.00310	56.348	.00038	-.00023
#2	-.00032	.00410	.00138	.02418	.08108	.00009	-.00464	56.691	.00046	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00015**	**.01900**	**2.1131**	**.00313**	**16.154**	**.05945**	**.00643**	**76.114**	**.00031**
Stddev	.00000	.00027	.00113	.0333	.00095	.006	.00000	.00125	.284	.00017
%RSD	2.6703	181.37	5.9588	1.5779	30.212	.03976	.00475	19.511	.37261	55.914
#1	.00018	-.00004	.01820	2.1367	.00380	16.159	.05945	.00554	75.913	.00019
#2	.00017	.00035	.01980	2.0895	.00246	16.150	.05945	.00731	76.314	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00774**	**-.00024**	**23.704**	**-.00069**	**.00497**	**5.1270**	**10.972**	**.00081**	**.83324**	**.00156**
Stddev	.00001	.00086	.076	.00144	.00568	.0243	.052	.00075	.00340	.00056
%RSD	.06815	358.14	.31937	209.17	114.27	.47337	.47337	93.354	.40817	35.927
#1	.00773	.00037	23.651	-.00170	.00095	5.1098	10.935	.00134	.83083	.00196
#2	.00774	-.00084	23.758	.00033	.00898	5.1441	11.008	.00027	.83564	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00071**	**-.02029**	**-.00014**	**.00482**	**.00278**
Stddev	.00007	.00079	.00326	.00016	.00037	.00055
%RSD	23.524	111.07	16.082	114.81	7.6185	19.725
#1	.00037	.00015	-.01798	-.00003	.00508	.00239
#2	.00026	.00127	-.02260	-.00026	.00456	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6682.8**	**98658.**	**4972.8**
Stddev	10.8	102.	10.6
%RSD	.16144	.10352	.21249
#1	6675.2	98730.	4980.3
#2	6690.4	98586.	4965.4

Sample Name: 280-49163-a-2-b Acquired: 11/16/2013 8:22:53 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00393**	**-.00031**	**.02144**	**.07309**	**.00000**	**-.00414**	**51.769**	**.00041**	**.00001**
Stddev	.00033	.00024	.00069	.00043	.00029	.00003	.00155	.141	.00012	.00007
%RSD	106.12	6.1233	220.69	1.9954	.39143	623.54	37.418	.27310	30.516	798.59
#1	-.00054	.00410	-.00080	.02174	.07289	.00002	-.00524	51.869	.00032	.00006
#2	-.00008	.00376	.00017	.02113	.07329	-.00002	-.00305	51.669	.00050	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00016**	**.02602**	**1.8377**	**.00350**	**13.619**	**.06267**	**.00240**	**73.003**	**.00040**
Stddev	.00000	.00037	.00100	.0017	.00045	.011	.00039	.00002	.240	.00027
%RSD	.76916	232.32	3.8549	.09304	12.854	.08316	.61625	.94726	.32927	68.291
#1	.00036	.00010	.02531	1.8389	.00319	13.611	.06239	.00239	72.833	.00021
#2	.00036	-.00042	.02672	1.8365	.00382	13.627	.06294	.00242	73.173	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00523**	**.00001**	**21.380**	**-.00119**	**.00066**	**5.3082**	**11.360**	**.00047**	**.73419**	**-.00042**
Stddev	.00025	.00027	.038	.00084	.00086	.0116	.025	.00004	.00288	.00132
%RSD	4.7239	3125.6	.17791	70.122	129.98	.21797	.21797	8.2827	.39208	314.58
#1	.00541	-.00018	21.407	-.00178	.00005	5.3000	11.342	.00049	.73623	-.00136
#2	.00506	.00020	21.353	-.00060	.00128	5.3164	11.377	.00044	.73216	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00036**	**-.00344**	**-.00073**	**.00533**	**.00283**
Stddev	.00005	.00033	.01108	.00014	.00032	.00123
%RSD	17.694	92.228	322.12	19.811	5.9625	43.470
#1	-.00029	-.00013	.00439	-.00083	.00511	.00370
#2	-.00023	-.00060	-.01127	-.00062	.00556	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6701.5**	**99354.**	**4963.6**
Stddev	29.9	378.	27.3
%RSD	.44648	.38093	.54909
#1	6680.3	99086.	4944.4
#2	6722.6	99621.	4982.9

Sample Name: 280-49163-a-3-b Acquired: 11/16/2013 8:25:16 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00682**	**-.00445**	**.01675**	**.07409**	**-.00002**	**-.00393**	**57.321**	**.00027**	**.00013**
Stddev	.00004	.00013	.00158	.00027	.00105	.00003	.00082	.708	.00000	.00010
%RSD	10.110	1.9594	35.576	1.6103	1.4140	130.62	20.916	1.2355	.30795	78.142
#1	-.00033	.00691	-.00333	.01656	.07335	-.00005	-.00451	56.821	.00027	.00020
#2	-.00038	.00672	-.00557	.01694	.07483	.00000	-.00335	57.822	.00027	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00040**	**.03649**	**2.6113**	**.00278**	**13.344**	**.27798**	**.00107**	**40.415**	**.00073**
Stddev	.00004	.00014	.00036	.0695	.00163	.055	.00109	.00009	.666	.00036
%RSD	15.228	33.996	.99359	2.6620	58.545	.41020	.39364	8.0301	1.6472	48.720
#1	.00032	-.00030	.03675	2.5621	.00393	13.383	.27875	.00101	39.944	.00048
#2	.00026	-.00050	.03624	2.6604	.00163	13.305	.27721	.00113	40.885	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01176**	**-.00041**	**14.557**	**-.00071**	**-.00020**	**5.4254**	**11.610**	**.00014**	**.75854**	**.00083**
Stddev	.00151	.00108	.011	.00034	.00037	.0724	.155	.00045	.01187	.00014
%RSD	12.875	263.13	.07241	48.249	179.58	1.3347	1.3347	331.32	1.5651	16.340
#1	.01069	-.00118	14.564	-.00047	-.00046	5.3742	11.501	.00045	.75015	.00092
#2	.01283	.00035	14.549	-.00096	.00006	5.4766	11.720	-.00018	.76694	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00007**	**-.01243**	**-.00022**	**.00465**	**.00400**
Stddev	.00024	.00057	.01637	.00004	.00003	.00147
%RSD	74.632	788.62	131.69	19.584	.59983	36.663
#1	-.00048	.00033	-.02401	-.00025	.00467	.00296
#2	-.00015	-.00047	-.00086	-.00019	.00463	.00504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6743.6**	**100210.**	**5032.6**
Stddev	3.5	253.	46.5
%RSD	.05226	.25277	.92448
#1	6741.1	100030.	5065.5
#2	6746.1	100390.	4999.7

Sample Name: 280-49163-a-4-b Acquired: 11/16/2013 8:27:38 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.01098**	**-.00137**	**.01095**	**.05337**	**-.00007**	**-.00230**	**32.446**	**.00018**	**.00017**
Stddev	.00017	.00013	.00045	.00062	.00014	.00011	.00121	.088	.00003	.00010
%RSD	58.817	1.1906	32.592	5.6874	.26178	156.56	52.754	.27197	15.963	62.406
#1	-.00017	.01107	-.00169	.01051	.05327	-.00014	-.00144	32.509	.00020	.00009
#2	-.00042	.01089	-.00106	.01139	.05347	.00001	-.00316	32.384	.00016	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00017**	**.29334**	**1.3064**	**.00337**	**6.3753**	**.05035**	**.00085**	**15.595**	**.00039**
Stddev	.00013	.00050	.00076	.0194	.00124	.0089	.00011	.00002	.502	.00024
%RSD	39.911	295.96	.25836	1.4821	36.864	.14000	.21669	2.4041	3.2211	60.064
#1	.00024	.00019	.29388	1.3201	.00425	6.3690	.05027	.00086	15.239	.00023
#2	.00042	-.00053	.29280	1.2927	.00249	6.3816	.05042	.00083	15.950	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01404**	**-.00017**	**10.139**	**-.00202**	**.00149**	**5.3452**	**11.439**	**.00003**	**.32937**	**.00150**
Stddev	.00098	.00090	.008	.00240	.00073	.0068	.015	.00022	.00128	.00036
%RSD	6.9901	530.49	.08036	118.64	49.299	.12784	.12784	863.98	.38966	23.717
#1	.01473	.00047	10.133	-.00372	.00097	5.3404	11.428	.00018	.33027	.00125
#2	.01334	-.00080	10.145	-.00033	.00201	5.3500	11.449	-.00013	.32846	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00013**	**.01855**	**-.00029**	**.00564**	**.00387**
Stddev	.00011	.00108	.01970	.00009	.00006	.00056
%RSD	206.75	817.76	106.20	31.457	1.0691	14.539
#1	-.00002	-.00063	.03248	-.00036	.00569	.00427
#2	.00013	.00090	.00462	-.00023	.00560	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6820.4**	**102480.**	**5023.1**
Stddev	9.1	346.	20.3
%RSD	.13307	.33765	.40391
#1	6826.8	102240.	5008.7
#2	6813.9	102730.	5037.4

Sample Name: CCVH-2382126 Acquired: 11/16/2013 8:30:01 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00857**	**49.442**	**.00027**	**.00178**	**.00059**	**-.00011**	W **1.0714**	**.00238**	**.00074**	**-.00040**	**.00023**	**.02123**
Stddev	.00100	.507	.00071	.00010	.00024	.00006	.0023	.00325	.00000	.00004	.00010	.00011
%RSD	11.674	1.0264	264.77	5.6582	40.976	48.783	.21416	136.61	.50211	10.552	44.631	.51000
#1	-.00786	49.801	-.00023	.00171	.00076	-.00008	1.0730	.00008	.00074	-.00037	.00030	.02115
#2	-.00927	49.084	.00077	.00185	.00042	-.00015	1.0698	.00467	.00074	-.00044	.00015	.02131
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.471**	**-.04915**	**.00003**	**.07254**	**.00104**	**.00057**	F **303.35**	**-.00062**	**.00278**	**.00228**	**5.0892**	**-.00346**
Stddev	.168	.01790	.00318	.00257	.00002	.00013	3.37	.00014	.00074	.00084	.0058	.00090
%RSD	.35409	36.424	9652.7	3.5425	1.4835	22.989	1.1107	22.581	26.448	36.905	.11383	25.993
#1	47.352	-.06180	-.00222	.07072	.00105	.00048	305.73	-.00072	.00330	.00287	5.0851	-.00282
#2	47.589	-.03649	.00228	.07436	.00103	.00067	300.97	-.00052	.00226	.00168	5.0933	-.00410
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00653**	**.00257**	**.00549**	**.00044**	**.00034**	W **4.6163**	**.01725**	**.00240**	F **11.388**	**.00332**	**.00168**	**-.07670**
Stddev	.00385	.00350	.00748	.00066	.00011	.0136	.00039	.00108	.000	.00015	.00036	.00031
%RSD	58.920	136.21	136.21	148.72	30.991	.29471	2.2398	44.935	.00083	4.5046	21.193	.40845
#1	-.00925	.00504	.01078	-.00002	.00027	4.6259	.01752	.00164	11.388	.00342	.00193	-.07692
#2	-.00381	.00009	.00020	.00091	.00042	4.6067	.01698	.00316	11.388	.00321	.00143	-.07648
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6754.5**	**98035.**	**5002.6**
Stddev	8.5	219.	69.4
%RSD	.12587	.22294	1.3873
#1	6748.5	97880.	4953.5
#2	6760.5	98189.	5051.6

Sample Name: CCV-2372889 Acquired: 11/16/2013 8:32:27 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49242**	**.52073**	**1.0496**	**.53595**	**.53155**	**.49686**	**-.00836**	**4.9962**	**.50613**	**.51114**	**.52701**	**.50690**	**2.4278**
Stddev	.00110	.00139	.0057	.00158	.00368	.00123	.00047	.0298	.00037	.00061	.00058	.00224	.0006
%RSD	.22335	.26780	.54432	.29491	.69217	.24763	5.6048	.59604	.07277	.12004	.11033	.44281	.02254
#1	.49164	.51974	1.0537	.53483	.53415	.49773	-.00869	4.9752	.50587	.51071	.52660	.50531	2.4274
#2	.49319	.52171	1.0456	.53707	.52894	.49599	-.00803	5.0173	.50639	.51158	.52743	.50849	2.4282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **60.865**	F **1.1492**	**18.708**	**.49706**	**.51955**	F **5.7396**	**.53449**	**1.0368**	**1.0853**	**.03632**	**1.0444**	**1.0719**	**4.7731**
Stddev	.125	.0030	.027	.00030	.00046	.0328	.00288	.0074	.0035	.00191	.0017	.0106	.0072
%RSD	.20569	.25980	.14442	.05989	.08808	.57159	.53868	.71339	.32113	5.2474	.15886	.98503	.15058
#1	60.954	1.1513	18.689	.49727	.51923	5.7628	.53245	1.0316	1.0828	.03497	1.0432	1.0645	4.7681
#2	60.777	1.1471	18.727	.49685	.51987	5.7164	.53652	1.0421	1.0877	.03766	1.0456	1.0794	4.7782
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.215**	**1.0341**	**.50615**	**.00695**	**.46460**	**1.0349**	**.00565**	**.48711**	**.46790**	**.48260**
Stddev	.015	.0039	.00303	.00115	.00008	.0007	.00201	.00028	.00016	.00017
%RSD	.15058	.37445	.59792	16.592	.01656	.06330	35.604	.05781	.03315	.03454
#1	10.204	1.0314	.50828	.00614	.46466	1.0354	.00708	.48691	.46801	.48271
#2	10.225	1.0369	.50401	.00777	.46455	1.0344	.00423	.48731	.46779	.48248
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6788.3**	**100860.**	**4941.5**
Stddev	1.9	156.	14.3
%RSD	.02872	.15455	.28896
#1	6786.9	100750.	4931.4
#2	6789.6	100970.	4951.6

Sample Name: CCB Acquired: 11/16/2013 8:34:37 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00065**	**.00066**	**.00126**	**.00019**	**.00003**	**-.00191**	**.01543**	**.00025**	**-.00012**	**.00011**
Stddev	.00014	.00014	.00183	.00007	.00029	.00003	.00046	.00389	.00021	.00012	.00006
%RSD	252.76	22.157	276.10	5.4428	147.23	107.14	24.193	25.240	84.820	98.983	50.975
#1	-.00004	.00075	.00196	.00122	.00040	.00001	-.00224	.01268	.00010	-.00004	.00016
#2	.00016	.00055	-.00063	.00131	-.00001	.00005	-.00158	.01818	.00040	-.00020	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00139**	**.00333**	**-.00277**	**.00122**	**-.00101**	**-.00003**	**.00233**	W **.16219**	**-.00001**	**.00093**	**.00117**
Stddev	.00015	.00013	.08989	.00100	.00033	.00001	.00051	.00858	.00029	.00018	.00026
%RSD	10.581	3.8934	3249.1	81.887	33.238	53.462	21.707	5.2873	2077.4	19.424	22.257
#1	-.00149	.00343	.06079	.00193	-.00124	-.00002	.00197	.16825	-.00022	.00080	.00136
#2	-.00128	.00324	-.06633	.00051	-.00077	-.00004	.00269	.15612	.00019	.00106	.00099
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03261**	**.00209**	W **.00538**	**.01379**	**.02951**	**.00026**	**.00017**	**.00088**	**.00013**	**-.00045**	**-.02316**
Stddev	.00145	.00081	.00399	.00896	.01917	.00024	.00002	.00128	.00009	.00006	.00398
%RSD	4.4601	38.782	74.088	64.962	64.962	90.319	10.932	144.89	68.417	12.838	17.203
#1	.03364	.00266	.00256	.00746	.01595	.00043	.00018	-.00002	.00019	-.00050	-.02035
#2	.03158	.00152	.00820	.02012	.04307	.00010	.00015	.00179	.00007	-.00041	-.02598
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00059**	**.00295**	W **.00354**
Stddev	.00027	.00009	.00283
%RSD	45.412	2.9355	79.890
#1	-.00040	.00289	.00554
#2	-.00078	.00301	.00154
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.7**	**102260.**	**4930.1**
Stddev	7.4	297.	73.4
%RSD	.10796	.29016	1.4881
#1	6842.9	102470.	4982.0
#2	6832.4	102050.	4878.2

Sample Name: CCVL2383195 Acquired: 11/16/2013 8:36:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00923**	**.10577**	**.01323**	**.10535**	**.01064**	**.00095**	**.12033**	**.20455**	**.00528**	**.01027**	**.01045**	**.01350**	**.10016**	**3.5240**
Stddev	.00047	.00012	.00151	.00034	.00012	.00006	.00116	.00282	.00011	.00006	.00006	.00035	.00022	.0131
%RSD	5.1473	.10897	11.387	.32252	1.1583	5.9042	.96520	1.3779	1.9968	.57077	.61751	2.5880	.21918	.37096
#1	.00956	.10585	.01429	.10559	.01055	.00092	.12115	.20256	.00521	.01023	.01050	.01325	.10000	3.5332
#2	.00889	.10569	.01216	.10511	.01073	.00099	.11951	.20655	.00535	.01031	.01040	.01375	.10031	3.5147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.19500**	**.00991**	**.02001**	**1.2579**	**.04271**	**2.9871**	**.01080**	**.02394**	**.01018**	**.01773**	**.47387**	**1.0141**	**.10659**
Stddev	.00279	.00212	.00002	.00001	.0154	.00017	.0227	.00108	.00024	.00052	.00136	.00236	.0051	.00011
%RSD	33.328	1.0885	.22152	.05273	1.2214	.39909	.75927	10.019	.99362	5.0664	7.6740	.49853	.49853	.10279
#1	.00639	.19650	.00992	.02002	1.2470	.04283	3.0031	.01157	.02411	.01054	.01677	.47554	1.0177	.10667
#2	.01034	.19350	.00989	.02000	1.2688	.04259	2.9710	.01004	.02377	.00981	.01869	.47220	1.0105	.10651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.01392**	**.00900**	**.01611**	**.06722**	**.00873**	**.02182**	**.01702**
Stddev	.00011	.00107	.00002	.00046	.00784	.00063	.00038	.00058
%RSD	1.0651	7.6930	.23645	2.8638	11.660	7.2307	1.7487	3.4194
#1	.00983	.01467	.00901	.01643	.06167	.00828	.02155	.01661
#2	.00998	.01316	.00898	.01578	.07276	.00918	.02209	.01743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6964.6**	**103910.**	**4946.9**
Stddev	.3	384.	49.6
%RSD	.00480	.37000	1.0024
#1	6964.9	104180.	4982.0
#2	6964.4	103640.	4911.9

Sample Name: 280-49163-a-5-b Acquired: 11/16/2013 8:39:19 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.01730**	**-.00133**	**.00938**	**.04785**	**.00004**	**-.00239**	**28.054**	**.00046**	**.00001**
Stddev	.00058	.00874	.00153	.00025	.00008	.00002	.00010	.180	.00026	.00004
%RSD	958.98	50.559	115.23	2.6372	.16192	47.899	3.9806	.64267	57.911	471.18
#1	.00047	.01111	-.00241	.00956	.04780	.00003	-.00245	28.181	.00027	-.00002
#2	-.00035	.02348	-.00025	.00921	.04791	.00006	-.00232	27.926	.00064	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.00009**	**.25172**	**1.1613**	**.00319**	**5.4044**	**.02269**	**.00103**	**13.048**	**.00054**
Stddev	.00021	.00032	.00180	.0200	.00132	.0128	.00000	.00025	.222	.00032
%RSD	54.717	336.26	.71339	1.7233	41.289	.23602	.00990	23.974	1.7024	59.733
#1	.00023	-.00032	.25299	1.1471	.00413	5.3954	.02269	.00086	12.891	.00077
#2	.00052	.00013	.25045	1.1754	.00226	5.4134	.02268	.00121	13.205	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01485**	**.00089**	**8.7837**	**-.00004**	**.00214**	**5.1440**	**11.008**	**.00029**	**.27499**	**-.00037**
Stddev	.00396	.00130	.0634	.00137	.00241	.0208	.045	.00047	.00115	.00030
%RSD	26.639	147.42	.72157	3845.9	112.87	.40437	.40437	162.04	.41658	80.587
#1	.01205	-.00004	8.8285	.00093	.00043	5.1293	10.977	.00062	.27580	-.00016
#2	.01765	.00181	8.7389	-.00101	.00384	5.1588	11.040	-.00004	.27418	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00017**	**.02178**	**-.00027**	**.00530**	**.00350**
Stddev	.00018	.00152	.05239	.00020	.00002	.00171
%RSD	92.820	874.94	240.49	73.279	.44162	48.707
#1	.00007	-.00125	-.01526	-.00013	.00532	.00471
#2	.00032	.00090	.05883	-.00041	.00529	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.7**	**102010.**	**4977.2**
Stddev	2.0	89.	26.5
%RSD	.02880	.08697	.53246
#1	6836.3	101940.	4958.5
#2	6839.1	102070.	4996.0

Sample Name: 280-49163-a-6-b Acquired: 11/16/2013 8:41:41 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.02865**	**-.00130**	**.00662**	**.02655**	**-.00004**	**-.00277**	**15.467**	**.00028**	**-.00007**
Stddev	.00014	.00007	.00103	.00014	.00007	.00001	.00171	.060	.00011	.00007
%RSD	28.533	.25286	79.006	2.1852	.25496	21.176	61.667	.38523	38.475	97.504
#1	.00060	.02870	-.00057	.00673	.02660	-.00003	-.00156	15.510	.00035	-.00011
#2	.00040	.02860	-.00203	.00652	.02650	-.00004	-.00398	15.425	.00020	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00049**	**.06094**	**.80380**	**.00158**	**1.7322**	**.01684**	**.00223**	**5.7779**	**.00040**
Stddev	.00008	.00005	.00173	.04063	.00111	.0011	.00001	.00021	.0311	.00017
%RSD	23.954	10.266	2.8459	5.0547	70.304	.06577	.05473	9.2615	.53738	41.846
#1	.00040	-.00045	.06216	.77507	.00080	1.7330	.01683	.00209	5.7999	.00052
#2	.00028	-.00052	.05971	.83253	.00237	1.7314	.01685	.00238	5.7559	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01463**	**.00078**	**2.2087**	**-.00003**	**-.00092**	**4.8619**	**10.404**	**.00024**	**.13361**	**.00053**
Stddev	.00001	.00033	.0096	.00178	.00264	.0067	.014	.00008	.00056	.00259
%RSD	.08370	42.183	.43525	5188.6	288.56	.13893	.13893	31.741	.41691	483.60
#1	.01464	.00101	2.2019	.00123	.00095	4.8571	10.394	.00029	.13400	-.00129
#2	.01463	.00054	2.2155	-.00130	-.00278	4.8666	10.415	.00018	.13321	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00038**	**-.00048**	**-.00020**	**.00560**	**.00415**
Stddev	.00011	.00043	.02505	.00039	.00007	.00115
%RSD	157.13	113.50	5259.1	192.47	1.1884	27.667
#1	.00015	-.00008	.01724	.00007	.00565	.00496
#2	-.00001	-.00069	-.01819	-.00048	.00555	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6916.9**	**103480.**	**5037.4**
Stddev	3.5	300.	64.1
%RSD	.05077	.28950	1.2724
#1	6919.4	103690.	4992.1
#2	6914.4	103270.	5082.8

Sample Name: 280-49163-a-7-b Acquired: 11/16/2013 8:44:04 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.01198**	**-.00095**	**.00757**	**.04425**	**.00000**	**-.00566**	**24.583**	**.00024**	**-.00005**
Stddev	.00017	.00002	.00086	.00046	.00013	.0001	.00173	.238	.00011	.00012
%RSD	197.93	.14108	89.918	6.0669	.30106	2911.3	30.595	.96849	44.509	255.42
#1	.00003	.01199	-.00156	.00789	.04434	.00004	-.00444	24.751	.00016	-.00013
#2	-.00020	.01197	-.00035	.00724	.04416	-.00004	-.00688	24.414	.00031	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00060**	**.18343**	**1.0732**	**.00249**	**4.6814**	**.01703**	**.00072**	**9.0716**	W **10.432**
Stddev	.00005	.00046	.00258	.0416	.00222	.0234	.00005	.00013	.1230	.158
%RSD	13.133	77.068	1.4068	3.8753	89.130	.50099	.31029	17.469	1.3563	1.5130
#1	.00032	-.00027	.18160	1.0438	.00407	4.6980	.01700	.00063	9.1586	10.321
#2	.00038	-.00092	.18525	1.1026	.00092	4.6649	.01707	.00081	8.9846	10.544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.01022**	**.00137**	**6.5481**	**-.00066**	**.00225**	**5.6488**	**12.088**	**.00063**	**.23607**
Stddev	.00027	.00142	.00018	.0107	.00287	.00321	.0459	.098	.00032	.00366
%RSD	52.499	13.862	13.316	.16303	432.88	143.08	.81204	.81204	50.708	1.5521
#1	.00033	.00922	.00124	6.5557	.00137	.00452	5.6163	12.019	.00041	.23866
#2	.00071	.01123	.00150	6.5406	-.00269	-.00003	5.6812	12.158	.00086	.23348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00008**	**.00013**	**.00691**	**-.00046**	**.00524**	**.00413**
Stddev	.00149	.00020	.00028	.00003	.00010	.00007	.00269
%RSD	1842.7	266.12	211.14	.40826	21.661	1.2530	65.085
#1	.00097	.00007	.00033	.00689	-.00039	.00519	.00604
#2	-.00114	-.00022	-.00007	.00693	-.00053	.00528	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6880.4**	**102840.**	**5016.6**
Stddev	14.0	408.	22.0
%RSD	.20303	.39675	.43902
#1	6890.3	102550.	5001.1
#2	6870.6	103130.	5032.2

Sample Name: 280-49163-a-8-b Acquired: 11/16/2013 8:46:27 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01140**	**-.00077**	**.01311**	**.06419**	**-.00002**	**-.00469**	**41.096**	**.00040**	**.00007**
Stddev	.00013	.00029	.00201	.00019	.00000	.00006	.00189	.017	.00003	.00029
%RSD	69.207	2.5400	262.55	1.4605	.00627	340.65	40.254	.04107	7.8605	423.56
#1	-.00028	.01161	.00066	.01324	.06420	-.00006	-.00602	41.108	.00037	.00028
#2	-.00009	.01120	-.00219	.01297	.06419	.00003	-.00335	41.084	.00042	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00041**	**.44350**	**1.8835**	**.00265**	**8.7968**	**.21659**	**.00036**	**23.467**	**.00112**
Stddev	.00010	.00006	.00518	.0164	.00031	.0046	.00015	.00005	.203	.00002
%RSD	56.147	14.663	1.1674	.86915	11.789	.05224	.06714	13.299	.86467	2.1180
#1	.00026	-.00036	.43984	1.8719	.00287	8.7935	.21648	.00039	23.323	.00110
#2	.00011	-.00045	.44716	1.8951	.00243	8.8000	.21669	.00033	23.610	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02429**	**.00013**	**14.903**	**-.00115**	**-.00067**	**5.6015**	**11.987**	**.00035**	**.44996**	**.00146**
Stddev	.00071	.00101	.043	.00075	.00283	.0146	.031	.00021	.00020	.00068
%RSD	2.9313	781.14	.29161	65.502	424.57	.26058	.26058	60.389	.04354	46.179
#1	.02480	-.00058	14.872	-.00062	.00134	5.6118	12.009	.00049	.45010	.00099
#2	.02379	.00084	14.934	-.00168	-.00267	5.5912	11.965	.00020	.44982	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00056**	**-.00430**	**-.00036**	**.00561**	**.00413**
Stddev	.00005	.00119	.00927	.00002	.00011	.00138
%RSD	20.516	210.81	215.35	6.4054	1.9725	33.510
#1	-.00026	.00028	.00225	-.00034	.00569	.00315
#2	-.00019	-.00141	-.01085	-.00038	.00553	.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6739.6**	**100980.**	**4947.6**
Stddev	17.2	359.	17.8
%RSD	.25520	.35505	.36004
#1	6751.8	100730.	4935.0
#2	6727.5	101240.	4960.2

Sample Name: 280-49163-a-9-b Acquired: 11/16/2013 8:48:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00396**	**-.00266**	**.01818**	**.06914**	**-.00008**	**-.00245**	**87.357**	**.00067**	**-.00019**
Stddev	.00010	.00030	.00308	.00018	.00048	.00001	.00070	1.125	.00013	.00013
%RSD	25.876	7.4605	115.71	.97947	.69779	8.8187	28.519	1.2884	19.162	68.179
#1	-.00047	.00375	-.00048	.01806	.06879	-.00008	-.00195	86.561	.00058	-.00028
#2	-.00033	.00417	-.00484	.01831	.06948	-.00009	-.00294	88.153	.00076	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00011**	**.02440**	**1.8155**	**.00266**	**20.011**	**.01450**	**-.00012**	**64.501**	**.00062**
Stddev	.00002	.00028	.00036	.0119	.00158	.011	.00018	.00010	.249	.00011
%RSD	11.537	251.08	1.4846	.65679	59.552	.05679	1.2689	84.722	.38575	18.483
#1	.00019	.00031	.02414	1.8071	.00154	20.003	.01463	-.00005	64.325	.00054
#2	.00016	-.00009	.02466	1.8240	.00378	20.019	.01437	-.00018	64.677	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01577**	**.00136**	**32.857**	**-.00043**	**.00299**	**4.6353**	**9.9195**	**-.00003**	**1.4488**	**.00050**
Stddev	.00277	.00099	.080	.00247	.00112	.0352	.0752	.00061	.0207	.00045
%RSD	17.577	73.060	.24446	575.36	37.397	.75833	.75833	1862.9	1.4311	91.212
#1	.01381	.00066	32.800	-.00217	.00220	4.6104	9.8663	.00040	1.4341	.00018
#2	.01772	.00206	32.914	.00132	.00378	4.6601	9.9727	-.00047	1.4635	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00119**	**.00339**	**.00010**	**.00452**	**.00188**
Stddev	.00027	.00021	.01148	.00031	.00016	.00165
%RSD	156.65	17.582	339.04	305.05	3.6028	87.941
#1	.00002	-.00134	.01150	-.00012	.00464	.00071
#2	-.00036	-.00104	-.00473	.00032	.00441	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6616.9**	**98253.**	**4942.8**
Stddev	.3	63.	57.3
%RSD	.00504	.06404	1.1584
#1	6617.1	98208.	4983.3
#2	6616.7	98297.	4902.3

Sample Name: 280-49163-a-9-bSD@5 Acquired: 11/16/2013 8:51:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00826**	**-.00002**	**.00394**	**.01617**	**.00002**	**-.00150**	**19.960**	**.00028**	**-.00018**
Stddev	.00027	.00001	.00049	.00024	.00015	.00004	.00081	.144	.00003	.00025
%RSD	62.313	.10090	1990.7	6.1749	.95230	231.10	53.879	.71911	10.147	134.48
#1	-.00062	.00825	.00032	.00377	.01628	-.00001	-.00207	20.061	.00026	-.00036
#2	-.00024	.00826	-.00037	.00411	.01606	.00004	-.00093	19.858	.00030	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00112**	**.01735**	**.37315**	**.00202**	**4.5758**	**.00356**	**-.00018**	**14.589**	**.00020**
Stddev	.00002	.00029	.00119	.01671	.00280	.0036	.00007	.00026	.433	.00007
%RSD	10.389	25.547	6.8598	4.4792	138.63	.07852	2.0047	142.02	2.9713	35.371
#1	.00017	-.00133	.01651	.36133	.00400	4.5732	.00361	-.00037	14.895	.00025
#2	.00019	-.00092	.01820	.38497	.00004	4.5783	.00351	.00000	14.282	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**.00057**	**7.2837**	**-.00116**	**-.00194**	**1.0452**	**2.2366**	**.00138**	**.33107**	**.00133**
Stddev	.00023	.00084	.0357	.00004	.00110	.0077	.0164	.00027	.00151	.00021
%RSD	4.4395	146.79	.48952	3.5345	56.521	.73402	.73402	19.681	.45521	15.862
#1	.00511	.00116	7.2585	-.00113	-.00116	1.0506	2.2482	.00119	.33214	.00118
#2	.00544	-.00002	7.3090	-.00119	-.00272	1.0397	2.2250	.00157	.33001	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00063**	**.00285**	**-.00034**	**.00621**	**.00223**
Stddev	.00066	.00025	.00790	.00041	.00005	.00125
%RSD	140.41	39.826	277.22	118.52	.73670	56.176
#1	.00000	-.00081	-.00274	-.00006	.00625	.00311
#2	-.00093	-.00045	.00844	-.00063	.00618	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6830.4**	**102250.**	**5023.8**
Stddev	20.8	168.	55.2
%RSD	.30513	.16391	1.0991
#1	6815.7	102130.	4984.7
#2	6845.1	102370.	5062.8

Sample Name: 280-49163-a-9-c ms Acquired: 11/16/2013 8:53:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04828**	**1.9434**	**1.1207**	**1.1194**	**2.2343**	**.05038**	F **2.2356**	**138.58**	**.10300**	**.49521**
Stddev	.00010	.0058	.0049	.0015	.0181	.00010	.0004	1.13	.00016	.00038
%RSD	.21052	.29981	.43302	.13408	.81089	.19723	.01711	.81797	.15841	.07618
#1	.04820	1.9392	1.1242	1.1205	2.2471	.05045	2.2353	139.38	.10311	.49494
#2	.04835	1.9475	1.1173	1.1184	2.2215	.05031	2.2359	137.78	.10288	.49548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21236**	**.26441**	**1.0078**	**66.051**	**1.2058**	**67.561**	**.50665**	**1.0598**	**129.29**	**.51754**
Stddev	.00007	.00124	.0020	.360	.0090	.258	.00269	.0005	.99	.00056
%RSD	.03501	.46860	.19669	.54487	.74528	.38151	.53041	.05042	.76797	.10833
#1	.21231	.26353	1.0092	66.306	1.2122	67.378	.50475	1.0602	129.99	.51714
#2	.21241	.26528	1.0064	65.797	1.1995	67.743	.50855	1.0595	128.59	.51794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.080**	**.52966**	**34.036**	**.53611**	**2.2574**	**14.764**	**31.595**	W **2.0718**	**2.5450**	**.94118**
Stddev	.014	.00206	.037	.00214	.0016	.043	.093	.0071	.0229	.00303
%RSD	.12217	.38904	.10857	.39898	.07051	.29452	.29452	.34461	.89902	.32220
#1	11.090	.53112	34.062	.53762	2.2563	14.795	31.661	2.0668	2.5612	.93904
#2	11.071	.52820	34.010	.53460	2.2585	14.733	31.529	2.0769	2.5288	.94332
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95733**	**1.9275**	**2.3997**	**.49538**	**.45505**	**.47895**
Stddev	.00388	.0007	.0418	.00250	.00040	.00138
%RSD	.40569	.03791	1.7431	.50537	.08802	.28748
#1	.95458	1.9270	2.4293	.49361	.45477	.47993
#2	.96007	1.9281	2.3701	.49715	.45534	.47798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6551.4**	**97329.**	**4978.2**
Stddev	17.8	96.	61.7
%RSD	.27212	.09856	1.2396
#1	6564.0	97396.	4934.6
#2	6538.8	97261.	5021.9

Sample Name: 280-49163-a-9-d msd Acquired: 11/16/2013 8:55:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200885 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04792**	**1.9201**	**1.1040**	**1.1066**	**2.2042**	**.04961**	F **2.2085**	**136.45**	**.10203**	**.49045**
Stddev	.00003	.0038	.0008	.0005	.0141	.00018	.0113	1.25	.00025	.00069
%RSD	.07184	.19612	.07019	.04732	.64097	.36511	.51303	.91534	.24958	.14059
#1	.04790	1.9228	1.1046	1.1062	2.2142	.04948	2.2005	137.33	.10185	.48996
#2	.04795	1.9174	1.1035	1.1069	2.1942	.04974	2.2165	135.56	.10221	.49094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21031**	**.26219**	**1.0307**	**65.120**	**1.1883**	**66.840**	**.50178**	**1.0537**	**127.88**	**.51249**
Stddev	.00041	.00010	.0001	.399	.0087	.160	.00098	.0021	.68	.00025
%RSD	.19554	.03890	.00848	.61224	.73443	.23982	.19453	.20054	.53211	.04935
#1	.21002	.26226	1.0307	65.402	1.1945	66.953	.50247	1.0552	128.36	.51267
#2	.21060	.26212	1.0306	64.838	1.1821	66.726	.50109	1.0522	127.40	.51231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.923**	**.52436**	**33.555**	**.52943**	**2.2263**	**14.547**	**31.131**	W **2.0531**	**2.5114**	**.93131**
Stddev	.004	.00300	.018	.00159	.0028	.049	.105	.0001	.0157	.00495
%RSD	.03762	.57213	.05316	.29941	.12381	.33746	.33746	.00393	.62564	.53148
#1	10.926	.52649	33.542	.53056	2.2283	14.513	31.057	2.0531	2.5225	.93481
#2	10.920	.52224	33.568	.52831	2.2244	14.582	31.206	2.0532	2.5003	.92781
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94872**	**1.9015**	**2.3537**	**.49072**	**.45139**	**.46963**
Stddev	.00204	.0001	.0106	.00250	.00253	.00264
%RSD	.21470	.00405	.44899	.50883	.56109	.56236
#1	.95016	1.9015	2.3462	.49249	.45318	.46776
#2	.94728	1.9016	2.3612	.48896	.44960	.47150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6543.9**	**97034.**	**5008.3**
Stddev	7.1	108.	39.8
%RSD	.10785	.11113	.79515
#1	6538.9	96958.	4980.2
#2	6548.9	97110.	5036.5

Sample Name: CCVH-2382126 Acquired: 11/16/2013 8:57:52 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00932**	**49.492**	**.00048**	**.00317**	**.00124**	**-.00009**	W **1.0720**	**.02898**	**.00087**	**-.00050**	**.00008**	**.02069**
Stddev	.00053	.096	.00086	.00041	.00023	.00008	.0039	.00626	.00003	.00012	.00014	.00064
%RSD	5.6997	.19493	178.99	13.028	18.696	85.406	.36159	21.595	3.3900	23.850	164.86	3.0800
#1	-.00969	49.560	.00109	.00288	.00140	-.00014	1.0692	.02455	.00085	-.00058	-.00001	.02114
#2	-.00894	49.424	-.00013	.00346	.00108	-.00003	1.0747	.03340	.00089	-.00041	.00018	.02024
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.399**	**.07137**	**.00180**	**.07488**	**.00116**	**.00491**	F **304.39**	**-.00040**	**.00832**	**.00246**	**5.0791**	**-.00445**
Stddev	.318	.00853	.00110	.00241	.00003	.00083	.16	.00036	.00090	.00041	.0068	.00051
%RSD	.67011	11.957	61.008	3.2208	2.4726	16.905	.05103	91.158	10.807	16.508	.13439	11.442
#1	47.174	.07740	.00103	.07317	.00118	.00433	304.50	-.00014	.00895	.00275	5.0743	-.00481
#2	47.624	.06533	.00258	.07658	.00114	.00550	304.28	-.00065	.00768	.00217	5.0840	-.00409
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**-.01076**	**-.02303**	**.00102**	**.00086**	W **4.5719**	**.01769**	**.00177**	F **11.333**	**.00362**	**.00224**	**-.07669**
Stddev	.00067	.00794	.01700	.00049	.00016	.0014	.00008	.00011	.005	.00055	.00022	.00072
%RSD	32.210	73.817	73.817	47.849	18.450	.03004	.46147	6.2416	.04675	15.302	9.8163	.93678
#1	-.00255	-.01638	-.03505	.00068	.00075	4.5729	.01775	.00184	11.337	.00401	.00240	-.07720
#2	-.00160	-.00514	-.01101	.00137	.00097	4.5709	.01763	.00169	11.329	.00323	.00209	-.07618
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6825.8**	**99976.**	**5072.1**
Stddev	11.1	221.	4.8
%RSD	.16331	.22129	.09527
#1	6833.7	100130.	5068.7
#2	6817.9	99819.	5075.6

Sample Name: CCV-2372889 Acquired: 11/16/2013 9:00:18 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49620**	**.51955**	**1.0518**	**.53612**	**.53190**	**.49516**	**-.00773**	**4.9617**	**.50742**	**.51076**	**.52562**	**.50982**	**2.4417**
Stddev	.00155	.00178	.0038	.00109	.00130	.00115	.00040	.0210	.00097	.00009	.00078	.00217	.0033
%RSD	.31141	.34334	.36331	.20383	.24486	.23172	5.2264	.42425	.19057	.01804	.14752	.42598	.13657
#1	.49729	.52082	1.0545	.53689	.53282	.49597	-.00801	4.9468	.50810	.51083	.52507	.51135	2.4393
#2	.49510	.51829	1.0491	.53535	.53098	.49435	-.00744	4.9765	.50673	.51070	.52617	.50828	2.4440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **61.010**	F **1.1509**	**18.825**	**.49723**	**.52389**	F **5.6851**	**.53018**	**1.0428**	**1.0917**	**.03201**	**1.0598**	**1.0801**	**4.7615**
Stddev	.028	.0046	.059	.00124	.00013	.0324	.00067	.0029	.0014	.00135	.0045	.0022	.0259
%RSD	.04556	.40153	.31341	.24869	.02453	.56983	.12640	.27725	.12722	4.2307	.42382	.19989	.54362
#1	61.030	1.1476	18.867	.49810	.52398	5.7080	.53066	1.0448	1.0927	.03297	1.0567	1.0786	4.7432
#2	60.991	1.1542	18.783	.49635	.52380	5.6622	.52971	1.0407	1.0907	.03105	1.0630	1.0816	4.7798
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.190**	**1.0456**	**.50682**	**.00763**	**.46552**	**1.0439**	**.01793**	**.48527**	**.46661**	**.47863**
Stddev	.055	.0027	.00200	.00077	.00031	.0043	.02385	.00063	.00303	.00131
%RSD	.54362	.25566	.39397	10.111	.06752	.41395	133.05	.13066	.64917	.27450
#1	10.150	1.0437	.50823	.00708	.46574	1.0408	.03479	.48482	.46446	.47770
#2	10.229	1.0475	.50541	.00817	.46530	1.0469	.00106	.48572	.46875	.47956
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6812.6**	**100770.**	**4957.5**
Stddev	10.5	59.	9.9
%RSD	.15411	.05849	.19996
#1	6805.2	100730.	4950.5
#2	6820.0	100810.	4964.5

Sample Name: CCB Acquired: 11/16/2013 9:02:27 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00006**	**.00051**	**.00167**	**.00029**	**.00004**	**-.00302**	**.00229**	**.00019**	**-.00022**	**.00016**
Stddev	.00015	.00011	.00107	.00005	.00023	.00002	.00201	.00124	.00019	.00001	.00004
%RSD	895.47	181.75	211.62	2.7576	80.684	44.112	66.511	54.428	102.50	3.3102	25.212
#1	.00012	.00002	.00126	.00164	.00045	.00002	-.00444	.00141	.00032	-.00021	.00019
#2	-.00009	-.00013	-.00025	.00171	.00012	.00005	-.00160	.00317	.00005	-.00022	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00151**	**.00254**	**.05006**	**.00142**	**.00394**	**.00009**	**.00260**	W **.10694**	**-.00001**	**.00068**	**.00095**
Stddev	.00012	.00041	.02294	.00281	.00460	.00002	.00053	.01146	.00001	.00055	.00051
%RSD	8.1838	16.127	45.815	198.45	116.90	20.587	20.289	10.717	120.10	80.261	53.422
#1	-.00143	.00225	.03384	.00340	.00068	.00008	.00223	.09883	.00000	.00029	.00131
#2	-.00160	.00283	.06628	-.00057	.00719	.00011	.00297	.11504	-.00001	.00107	.00059
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02612**	**.00088**	**.00412**	**-.00454**	**-.00972**	**.00025**	**.00004**	**.00075**	**.00013**	**-.00098**	**.02811**
Stddev	.00351	.00121	.00031	.01494	.03197	.00031	.00009	.00042	.00029	.00024	.00678
%RSD	13.448	138.54	7.4242	328.83	328.83	123.92	248.74	56.760	232.35	24.086	24.113
#1	.02861	.00173	.00390	-.01511	-.03233	.00003	.00010	.00105	-.00008	-.00115	.03291
#2	.02364	.00002	.00433	.00602	.01288	.00046	-.00003	.00045	.00034	-.00081	.02332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00064**	**.00322**	W **.00267**
Stddev	.00004	.00013	.00087
%RSD	6.1747	4.0216	32.596
#1	-.00066	.00313	.00328
#2	-.00061	.00331	.00205
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6864.0**	**102760.**	**5009.0**
Stddev	7.0	396.	11.8
%RSD	.10186	.38524	.23645
#1	6859.1	102480.	5000.6
#2	6869.0	103040.	5017.4

Sample Name: CCVL2383195 Acquired: 11/16/2013 9:04:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01006**	**.10455**	**.01362**	**.10651**	**.01071**	**.00105**	**.11992**	**.19500**	**.00515**	**.01030**	**.01057**	**.01361**	**.10087**
Stddev	.00004	.00003	.00085	.00068	.00004	.00001	.00023	.00239	.00007	.00022	.00006	.00066	.00004
%RSD	.41029	.03059	6.2504	.64096	.33812	.94869	.19322	1.2253	1.3329	2.1074	.61181	4.8703	.04425
#1	.01003	.10457	.01422	.10700	.01073	.00104	.11976	.19669	.00510	.01014	.01062	.01314	.10090
#2	.01009	.10452	.01301	.10603	.01068	.00105	.12009	.19331	.00520	.01045	.01053	.01408	.10084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5172**	**.01107**	**.19108**	**.00986**	**.02006**	**1.1814**	**.04253**	**3.0037**	**.01065**	**.02102**	**.01025**	**.01803**	**.45971**
Stddev	.0110	.00134	.00265	.00009	.00005	.0171	.00023	.0183	.00011	.00272	.00153	.00166	.00918
%RSD	.31348	12.115	1.3877	.92458	.24709	1.4447	.54002	.60786	1.0262	12.932	14.933	9.1869	1.9962
#1	3.5250	.01012	.19295	.00979	.02003	1.1693	.04269	3.0166	.01058	.02294	.00917	.01686	.46620
#2	3.5094	.01201	.18920	.00992	.02010	1.1934	.04237	2.9908	.01073	.01910	.01133	.01920	.45322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98378**	**.10714**	**.00979**	**.01397**	**.00879**	**.01621**	F **.08600**	**.00887**	**.02112**	**.01718**
Stddev	.01964	.00047	.00005	.00064	.00021	.00138	.00730	.00013	.00019	.00068
%RSD	1.9962	.44234	.50191	4.5492	2.3669	8.4918	8.4884	1.5050	.91530	3.9389
#1	.99767	.10748	.00976	.01442	.00864	.01523	.08084	.00878	.02098	.01670
#2	.96990	.10681	.00983	.01352	.00893	.01718	.09116	.00897	.02126	.01765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7034.7**	**105410.**	**5064.9**
Stddev	5.1	70.	7.6
%RSD	.07288	.06598	.14921
#1	7031.1	105460.	5070.2
#2	7038.3	105360.	5059.5

Sample Name: mb 280-201100/1-a Acquired: 11/16/2013 9:07:08 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00861**	**-.00302**	**.00090**	**.00018**	**-.00009**	**-.00279**	**.03790**	**.00032**	**-.00019**
Stddev	.00005	.00036	.00030	.00028	.00036	.00002	.00092	.00286	.00006	.00012
%RSD	27.241	4.1825	9.9094	31.626	204.22	24.913	32.897	7.5531	17.591	65.721
#1	-.00020	.00887	-.00280	.00070	.00043	-.00008	-.00214	.03993	.00036	-.00010
#2	-.00013	.00836	-.00323	.00110	-.00008	-.00011	-.00344	.03588	.00028	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00007**	F **.10807**	**-.00491**	**-.00084**	**.00415**	**.00054**	**.00037**	**.18150**	**.00015**
Stddev	.00013	.00033	.00287	.01567	.00297	.00259	.00004	.00021	.00956	.00013
%RSD	49.117	477.11	2.6561	319.02	351.38	62.512	7.2938	57.578	5.2696	83.757
#1	.00017	-.00030	.10604	-.01599	.00125	.00232	.00051	.00022	.18826	.00006
#2	.00035	.00016	.11010	.00617	-.00294	.00598	.00057	.00052	.17474	.00024
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**-.00009**	**.03519**	**-.00027**	**.00246**	**.01268**	**.02713**	**.00523**	**.00016**	**.00169**
Stddev	.00048	.00026	.00327	.00055	.00246	.00931	.01992	.00034	.00015	.00063
%RSD	7.4896	286.75	9.2929	201.90	100.01	73.431	73.431	6.4408	94.398	37.400
#1	.00607	.00009	.03288	-.00067	.00072	.01926	.04121	.00500	.00026	.00125
#2	.00675	-.00028	.03750	.00012	.00420	.00609	.01304	.00547	.00005	.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00096**	**-.00561**	**-.00077**	**.00395**	**.00312**
Stddev	.00010	.00041	.01280	.00027	.00009	.00090
%RSD	19470.	42.479	228.23	34.972	2.1921	29.020
#1	.00007	-.00067	-.01466	-.00058	.00389	.00375
#2	-.00007	-.00125	.00344	-.00096	.00401	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6931.0**	**105020.**	**5078.7**
Stddev	17.9	362.	5.6
%RSD	.25837	.34462	.10964
#1	6918.3	105270.	5074.8
#2	6943.6	104760.	5082.7

Sample Name: lcs 280-201100/2-a Acquired: 11/16/2013 9:09:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04650**	**1.8593**	**1.0213**	**1.0020**	**2.0124**	**.04622**	**2.1153**	**45.454**	**.09646**	**.47244**
Stddev	.00036	.0013	.0053	.0022	.0112	.00017	.0064	.162	.00038	.00111
%RSD	.76880	.06967	.51719	.22373	.55522	.36036	.30170	.35554	.39047	.23513
#1	.04676	1.8584	1.0176	1.0004	2.0203	.04634	2.1108	45.568	.09619	.47166
#2	.04625	1.8602	1.0250	1.0035	2.0045	.04611	2.1198	45.340	.09672	.47323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19891**	**.24721**	**.99581**	F **58.613**	F **1.1045**	F **44.238**	**.46248**	**.97969**	F **59.367**	**.49033**
Stddev	.00003	.00146	.00518	.327	.0021	.069	.00061	.00024	.127	.00246
%RSD	.01652	.58865	.51995	.55861	.19017	.15588	.13173	.02433	.21387	.50179
#1	.19889	.24618	.99215	58.844	1.1060	44.287	.46205	.97986	59.278	.48859
#2	.19893	.24824	.99947	58.381	1.1030	44.189	.46291	.97952	59.457	.49207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				55.000	1.1000	55.000			56.000	
Low Limit				44.500	.90000	45.000			45.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.043**	**.50485**	**.04404**	**.49565**	**2.0790**	F **.65917**	**1.4106**	**1.9576**	**.95842**	**.87432**
Stddev	.027	.00047	.00338	.00443	.0055	.00086	.0018	.0067	.00359	.00016
%RSD	.26820	.09315	7.6716	.89448	.26266	.13062	.13062	.34398	.37499	.01847
#1	10.024	.50519	.04643	.49252	2.0751	.65978	1.4119	1.9529	.96096	.87443
#2	10.062	.50452	.04165	.49879	2.0828	.65856	1.4093	1.9624	.95588	.87420
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89054**	**1.9012**	F **2.2638**	**.45788**	**.42945**	**.43976**
Stddev	.00195	.0015	.0204	.00210	.00061	.00097
%RSD	.21895	.07714	.90253	.45812	.14208	.22066
#1	.89192	1.9022	2.2493	.45936	.42988	.43908
#2	.88916	1.9001	2.2782	.45639	.42902	.44045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.2**	**99365.**	**5004.6**
Stddev	5.1	165.	14.7
%RSD	.07685	.16583	.29390
#1	6662.6	99249.	4994.2
#2	6669.8	99482.	5015.0

Sample Name: 280-48796-a-1-g Acquired: 11/16/2013 9:11:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**57.843**	**.00767**	**.07944**	**2.7254**	**-.00040**	**-.04784**	W **539.01**	**.00657**	**.67082**
Stddev	.00038	.387	.00258	.00032	.0254	.00007	.00299	1.68	.00020	.00044
%RSD	64.659	.66847	33.615	.40828	.93216	18.317	6.2491	.31191	3.1163	.06519
#1	-.00032	58.117	.00584	.07921	2.7434	-.00045	-.04573	540.20	.00671	.67113
#2	-.00086	57.570	.00949	.07967	2.7074	-.00034	-.04996	537.82	.00642	.67051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16186**	**.07585**	**24.642**	**6.3238**	**.04203**	**13.625**	**.50812**	**.00621**	**2.7949**	**.15935**
Stddev	.00062	.00024	.252	.0063	.00139	.051	.00023	.00131	.0184	.00050
%RSD	.38053	.32225	1.0228	.10003	3.3108	.37772	.04457	21.141	.65922	.31640
#1	.16142	.07567	24.821	6.3283	.04301	13.589	.50796	.00528	2.7819	.15899
#2	.16229	.07602	24.464	6.3193	.04104	13.662	.50828	.00714	2.8079	.15971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0408**	**6.2690**	**144.19**	**.00144**	**.01158**	**.70039**	**1.4988**	**.02486**	**1.0345**	**.00472**
Stddev	.0101	.0075	.08	.00144	.00195	.02257	.0483	.00002	.0088	.00127
%RSD	.49558	.12014	.05746	99.543	16.818	3.2222	3.2222	.07273	.84657	26.803
#1	2.0336	6.2637	144.13	.00246	.01020	.71635	1.5330	.02485	1.0407	.00562
#2	2.0479	6.2744	144.24	.00043	.01295	.68444	1.4647	.02487	1.0283	.00383
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4139**	**-.00429**	**.02248**	**.03938**	**6.9344**	**.04794**
Stddev	.0117	.00101	.00001	.00028	.0055	.00258
%RSD	.21560	23.436	.02879	.70369	.07925	5.3866
#1	5.4056	-.00500	.02248	.03958	6.9305	.04612
#2	5.4221	-.00358	.02249	.03919	6.9383	.04977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6497.5**	**97411.**	**5080.0**
Stddev	5.0	7.	67.6
%RSD	.07749	.00764	1.3312
#1	6493.9	97406.	5032.2
#2	6501.0	97417.	5127.8

Sample Name: 280-48796-a-2-g Acquired: 11/16/2013 9:13:56 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**56.432**	**.01782**	**.10643**	**1.9595**	**-.00194**	F **-.12543**	**46.596**	**.02957**	**.78174**
Stddev	.00028	.137	.00008	.00049	.0007	.00003	.00525	.068	.00007	.00077
%RSD	42.900	.24340	.42272	.46318	.03441	1.3323	4.1830	.14685	.24296	.09862
#1	.00085	56.529	.01776	.10608	1.9590	-.00192	-.12172	46.548	.02962	.78229
#2	.00045	56.335	.01787	.10678	1.9600	-.00196	-.12914	46.645	.02952	.78119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6595**	**.52323**	**58.878**	**5.8764**	**.33792**	**16.355**	**.22745**	**.01010**	**10.228**	**11.735**
Stddev	.0020	.00130	.361	.0563	.00037	.125	.00144	.00048	.003	.111
%RSD	.11933	.24903	.61345	.95812	.11083	.76262	.63528	4.7355	.02692	.94818
#1	1.6609	.52415	58.623	5.8366	.33766	16.267	.22643	.00976	10.230	11.813
#2	1.6581	.52231	59.134	5.9163	.33819	16.443	.22848	.01043	10.226	11.656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33522**	W **6.2558**	W **48.985**	**9.0911**	W **-.01920**	**.00536**	**1.0896**	**2.3318**	**.08825**	**.23830**
Stddev	.00170	.0263	.036	.0033	.00079	.00248	.0058	.0124	.00015	.00072
%RSD	.50606	.42007	.07296	.03611	4.1290	46.250	.53005	.53005	.16506	.30097
#1	.33402	6.2744	49.011	9.0887	-.01976	.00361	1.0855	2.3230	.08835	.23779
#2	.33642	6.2372	48.960	9.0934	-.01864	.00711	1.0937	2.3405	.08814	.23881
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000	10.000		2.0000					
Low Limit		-1.0000	-.00300		-.01000					

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	W **12.654**	W **-.01457**	**-.00502**	**.03186**	W **12.469**	**.03574**
Stddev	.00301	.093	.00002	.02293	.00090	.113	.00220
%RSD	130.52	.73581	.11227	457.22	2.8104	.90660	6.1448
#1	.00018	12.720	-.01458	.01120	.03122	12.390	.03419
#2	.00444	12.588	-.01455	-.02123	.03249	12.549	.03730
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		10.000	5.0000			10.000	
Low Limit		-.01000	-.01000			-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6900.5**	**103510.**	**5164.2**
Stddev	4.2	297.	26.6
%RSD	.06156	.28664	.51494
#1	6903.5	103720.	5145.4
#2	6897.5	103300.	5183.0

Sample Name: 280-49152-a-1-g Acquired: 11/16/2013 9:16:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**82.487**	**.02674**	**.02377**	**1.2011**	**.00359**	**-.04368**	**128.18**	**.00246**	**.36217**
Stddev	.00018	.892	.00119	.00036	.0072	.00008	.00186	1.21	.00005	.00004
%RSD	12.315	1.0816	4.4549	1.5161	.60032	2.2914	4.2612	.94178	2.1891	.01203
#1	-.00162	81.856	.02590	.02352	1.1960	.00353	-.04500	127.33	.00250	.36221
#2	-.00136	83.117	.02758	.02403	1.2062	.00364	-.04237	129.04	.00242	.36214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42009**	**.24463**	**123.75**	**23.604**	**.09348**	**21.505**	**2.4191**	**.04948**	**1.3047**	**.08105**
Stddev	.00067	.00027	.21	.207	.00250	.049	.0232	.00023	.0112	.00033
%RSD	.15965	.11044	.16878	.87622	2.6768	.22611	.95941	.46594	.85424	.41029
#1	.42056	.24444	123.61	23.458	.09525	21.471	2.4355	.04931	1.3126	.08128
#2	.41961	.24482	123.90	23.750	.09171	21.539	2.4027	.04964	1.2968	.08081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0858**	**1.8061**	**.92786**	**-.00358**	**.00161**	**1.4273**	**3.0545**	**.15251**	**.54258**	**.08067**
Stddev	.0072	.0007	.00897	.00183	.00196	.0086	.0185	.00023	.00372	.00016
%RSD	.17671	.03762	.96645	51.109	121.43	.60532	.60532	.15036	.68498	.20007
#1	4.0909	1.8065	.93420	-.00228	.00300	1.4334	3.0675	.15267	.53995	.08078
#2	4.0807	1.8056	.92152	-.00487	.00023	1.4212	3.0414	.15235	.54521	.08055
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0032**	**-.00561**	F **-.29958**	**.18917**	**.33673**	**.26983**
Stddev	.0027	.00058	.00706	.00070	.00018	.00092
%RSD	.09014	10.436	2.3551	.36895	.05286	.33929
#1	3.0051	-.00602	-.30457	.18966	.33660	.26918
#2	3.0013	-.00519	-.29459	.18868	.33685	.27048
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7481.4**	**108880.**	**5716.1**
Stddev	15.6	3.	64.4
%RSD	.20862	.00267	1.1272
#1	7470.3	108880.	5761.7
#2	7492.4	108880.	5670.6

Sample Name: 280-49152-a-2-f Acquired: 11/16/2013 9:18:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**76.054**	**.02722**	**.07688**	**1.2774**	**.00269**	W **-.06131**	**176.59**	**.00223**	**.04505**
Stddev	.00001	.923	.00041	.00048	.0133	.00008	.00184	1.87	.00011	.00014
%RSD	.77946	1.2139	1.5125	.62492	1.0422	2.8650	2.9937	1.0584	4.9237	.31214
#1	-.00094	75.401	.02693	.07654	1.2680	.00263	-.06001	175.27	.00230	.04515
#2	-.00093	76.707	.02751	.07722	1.2868	.00274	-.06261	177.92	.00215	.04495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13626**	**.14884**	**249.78**	**26.769**	**.11308**	**34.327**	**2.7374**	**.00715**	**1.9192**	**.08991**
Stddev	.00040	.00026	2.71	.303	.00042	.086	.0011	.00001	.0126	.00103
%RSD	.29085	.17713	1.0838	1.1317	.37380	.25092	.04092	.20730	.65584	1.1409
#1	.13654	.14903	247.87	26.554	.11278	34.388	2.7366	.00714	1.9103	.09064
#2	.13598	.14865	251.70	26.983	.11338	34.266	2.7382	.00716	1.9281	.08919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6543**	**.09181**	**4.7598**	**-.00043**	**.00187**	**1.9598**	**4.1940**	**.02320**	**1.0391**	**.03527**
Stddev	.0055	.00105	.0184	.00006	.00070	.0020	.0044	.00061	.0127	.00038
%RSD	.14908	1.1476	.38644	14.208	37.439	.10408	.10408	2.6266	1.2274	1.0876
#1	3.6581	.09256	4.7728	-.00047	.00138	1.9584	4.1909	.02363	1.0301	.03554
#2	3.6504	.09107	4.7468	-.00039	.00237	1.9613	4.1971	.02277	1.0482	.03500
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9777**	W **-.01073**	F **-.21574**	**.28313**	**.54134**	**.08110**
Stddev	.0041	.00143	.00485	.00069	.00020	.00236
%RSD	.13757	13.367	2.2490	.24480	.03676	2.9143
#1	2.9806	-.01174	-.21231	.28362	.54148	.08277
#2	2.9748	-.00972	-.21917	.28264	.54120	.07942
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7376.0**	**108330.**	**5716.0**
Stddev	7.4	160.	48.9
%RSD	.10075	.14769	.85505
#1	7381.3	108220.	5750.5
#2	7370.8	108440.	5681.4

Sample Name: 280-49152-a-2-fSD@5 Acquired: 11/16/2013 9:20:55 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**16.991**	**.00525**	**.01846**	**.28233**	**.00054**	**-.01692**	**39.902**	**.00068**	**.01051**
Stddev	.00017	.066	.00068	.00028	.00088	.00003	.00011	.036	.00005	.00014
%RSD	37.808	.38799	12.862	1.4947	.31146	6.2934	.64504	.09106	7.8573	1.2913
#1	-.00056	17.038	.00477	.01826	.28295	.00056	-.01684	39.877	.00064	.01061
#2	-.00032	16.945	.00573	.01865	.28171	.00051	-.01699	39.928	.00072	.01042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03102**	**.03198**	**57.329**	**5.8470**	**.02566**	**7.8831**	**.62703**	**.00148**	**.46678**	**.02096**
Stddev	.00007	.00004	.074	.0659	.00035	.0215	.00002	.00024	.00054	.00007
%RSD	.22990	.13510	.12839	1.1269	1.3493	.27224	.00333	15.917	.11669	.31645
#1	.03097	.03201	57.381	5.8936	.02590	7.8982	.62704	.00132	.46717	.02091
#2	.03107	.03195	57.277	5.8004	.02541	7.8679	.62701	.00165	.46640	.02101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81574**	**.02233**	**1.0778**	**-.00051**	**-.00083**	**.40961**	**.87657**	**.00711**	**.23077**	**.00932**
Stddev	.00286	.00127	.0021	.00021	.00047	.01767	.03781	.00016	.00104	.00092
%RSD	.35021	5.6807	.19686	41.110	56.658	4.3139	4.3139	2.2940	.45201	9.8251
#1	.81372	.02323	1.0793	-.00066	-.00116	.42211	.90330	.00723	.23151	.00867
#2	.81776	.02143	1.0763	-.00036	-.00050	.39712	.84983	.00699	.23003	.00996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65643**	**-.00310**	W **-.05958**	**.06232**	**.13034**	**.01942**
Stddev	.00121	.00146	.00048	.00054	.00037	.00108
%RSD	.18381	47.047	.81339	.87066	.28744	5.5732
#1	.65558	-.00413	-.05923	.06194	.13008	.02018
#2	.65728	-.00207	-.05992	.06270	.13061	.01865
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7073.6**	**104450.**	**5272.3**
Stddev	8.4	260.	3.7
%RSD	.11808	.24883	.07109
#1	7067.7	104260.	5275.0
#2	7079.5	104630.	5269.7

Sample Name: 280-49152-a-2-g ms Acquired: 11/16/2013 9:23:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04259**	**97.562**	**.96167**	**.95588**	**3.1394**	**.04471**	F **1.8619**	**219.79**	**.09072**	**.46392**
Stddev	.00030	.950	.00340	.00205	.0310	.00014	.0015	1.66	.00022	.00005
%RSD	.70679	.97414	.35350	.21405	.98609	.30578	.07844	.75550	.24075	.01116
#1	.04238	96.890	.95926	.95443	3.1175	.04461	1.8609	218.62	.09056	.46396
#2	.04280	98.234	.96407	.95732	3.1613	.04481	1.8629	220.97	.09087	.46388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32576**	**.36900**	**281.20**	**84.721**	**1.1577**	**68.866**	**2.9114**	**.88781**	**58.399**	**.52992**
Stddev	.00046	.00021	2.61	.718	.0116	.072	.0040	.00073	.503	.00014
%RSD	.14017	.05791	.92929	.84725	.99739	.10461	.13825	.08228	.86198	.02592
#1	.32544	.36885	279.35	84.213	1.1495	68.815	2.9085	.88833	58.043	.53002
#2	.32609	.36915	283.05	85.229	1.1659	68.917	2.9142	.88730	58.755	.52983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.290**	**.52465**	**2.8245**	**.27639**	**1.8488**	**4.4882**	**9.6048**	**1.7006**	**1.9358**	**.85069**
Stddev	.016	.00018	.0047	.00148	.0049	.0056	.0119	.0053	.0194	.00338
%RSD	.13340	.03497	.16503	.53534	.26287	.12400	.12400	.30916	1.0034	.39690
#1	12.302	.52478	2.8213	.27743	1.8454	4.4921	9.6132	1.6969	1.9221	.85308
#2	12.278	.52452	2.8278	.27534	1.8523	4.4843	9.5963	1.7043	1.9496	.84830
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9783**	**1.5676**	**1.8207**	**.70774**	**.78540**	**.50691**
Stddev	.0088	.0031	.0037	.00185	.00354	.00195
%RSD	.17637	.19546	.20127	.26168	.45124	.38507
#1	4.9721	1.5654	1.8181	.70643	.78289	.50553
#2	4.9845	1.5697	1.8233	.70905	.78790	.50829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7111.9**	**104350.**	**5578.9**
Stddev	6.2	252.	52.3
%RSD	.08685	.24137	.93783
#1	7116.3	104530.	5615.9
#2	7107.6	104180.	5541.9

Sample Name: 280-49152-a-2-h msd Acquired: 11/16/2013 9:25:27 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04437**	**108.52**	**.98156**	**1.0259**	**3.2951**	**.04566**	F **1.8726**	**240.59**	**.09232**	**.47130**
Stddev	.00016	.81	.00330	.0021	.0263	.00051	.0063	2.35	.00007	.00008
%RSD	.35741	.74781	.33662	.20812	.79853	1.1205	.33807	.97633	.07844	.01714
#1	.04426	107.95	.98390	1.0274	3.2765	.04530	1.8770	238.93	.09238	.47135
#2	.04449	109.10	.97923	1.0244	3.3137	.04602	1.8681	242.25	.09227	.47124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33798**	**.39906**	**365.30**	**88.760**	**1.1964**	**74.802**	**3.4376**	**.89407**	**59.454**	**.54289**
Stddev	.00010	.00060	3.58	.879	.0047	.384	.0123	.00013	1.192	.00104
%RSD	.03022	.15001	.98022	.99036	.38941	.51343	.35713	.01405	2.0045	.19143
#1	.33806	.39863	362.77	88.138	1.1931	74.531	3.4289	.89416	58.611	.54363
#2	.33791	.39948	367.83	89.381	1.1997	75.074	3.4462	.89398	60.296	.54216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.033**	**.54054**	**3.5685**	**.23891**	**1.8735**	**4.5497**	**9.7363**	**1.7094**	**2.1321**	**.86337**
Stddev	.007	.00016	.0009	.00206	.0034	.0389	.0833	.0011	.0147	.00566
%RSD	.05099	.03045	.02456	.86282	.18362	.85529	.85529	.06425	.68805	.65595
#1	13.037	.54066	3.5679	.24037	1.8710	4.5222	9.6774	1.7102	2.1217	.85937
#2	13.028	.54042	3.5691	.23745	1.8759	4.5772	9.7952	1.7086	2.1425	.86738
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3056**	**1.5666**	**1.7850**	**.74646**	**.92532**	**.52073**
Stddev	.0320	.0011	.0256	.00227	.00706	.00155
%RSD	.60336	.07225	1.4343	.30387	.76314	.29671
#1	5.2829	1.5674	1.7669	.74486	.92033	.51964
#2	5.3282	1.5658	1.8031	.74807	.93032	.52183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7148.5**	**104830.**	**5591.6**
Stddev	3.2	637.	88.9
%RSD	.04462	.60812	1.5890
#1	7150.8	105280.	5654.5
#2	7146.3	104380.	5528.8

Sample Name: CCVH-2382126 Acquired: 11/16/2013 9:27:42 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00885**	**49.222**	**-.00084**	**.00380**	**.00183**	**-.00011**	W **1.0603**	**.08956**	**.00085**	**-.00079**	**.00034**	**.02166**
Stddev	.00029	.120	.00238	.00014	.00013	.00002	.0049	.00939	.00018	.00018	.00020	.00009
%RSD	3.2409	.24414	282.95	3.6543	7.2108	20.352	.46492	10.485	20.515	23.080	60.121	.43185
#1	-.00865	49.307	-.00252	.00390	.00193	-.00012	1.0568	.08292	.00098	-.00066	.00049	.02159
#2	-.00906	49.137	.00084	.00370	.00174	-.00009	1.0638	.09620	.00073	-.00092	.00020	.02172
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.831**	**.00908**	**.00047**	**.09630**	**.00208**	**.00469**	F **303.81**	**-.00028**	**.01187**	**.00326**	**5.0235**	**-.00199**
Stddev	.278	.05049	.00060	.00371	.00006	.00077	.29	.00029	.00111	.00108	.0265	.00008
%RSD	.58198	556.29	127.36	3.8475	2.8484	16.414	.09673	102.87	9.3892	33.123	.52799	4.0128
#1	47.634	.04478	.00005	.09368	.00212	.00415	304.02	-.00008	.01265	.00249	5.0047	-.00204
#2	48.027	-.02662	.00089	.09892	.00204	.00524	303.61	-.00049	.01108	.00402	5.0422	-.00193
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.01176**	**.02518**	**.00087**	**.00098**	W **4.6332**	**.02113**	**.00278**	F **11.467**	**.00372**	**.00218**	**-.07582**
Stddev	.00247	.02426	.05192	.00042	.00010	.0127	.00032	.00144	.023	.00042	.00062	.00229
%RSD	5524.7	206.24	206.24	48.867	10.689	.27322	1.5021	51.930	.19736	11.341	28.490	3.0141
#1	-.00179	.02892	.06189	.00117	.00090	4.6421	.02091	.00380	11.451	.00343	.00262	-.07744
#2	.00170	-.00539	-.01154	.00057	.00105	4.6242	.02136	.00176	11.483	.00402	.00174	-.07421
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6821.4**	**98675.**	**5010.7**
Stddev	12.2	167.	31.1
%RSD	.17953	.16881	.62133
#1	6830.0	98557.	5032.7
#2	6812.7	98792.	4988.7

Sample Name: CCV-2372889 Acquired: 11/16/2013 9:30:06 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49958**	**.52100**	**1.0521**	**.53657**	**.53194**	**.49345**	**-.00874**	**4.9576**	**.50812**	**.51194**	**.52487**	**.51142**	**2.4290**
Stddev	.00143	.00033	.0042	.00026	.00119	.00012	.00162	.0127	.00016	.00017	.00103	.00218	.0008
%RSD	.28680	.06357	.39752	.04780	.22388	.02387	18.536	.25718	.03204	.03239	.19560	.42561	.03230
#1	.50060	.52124	1.0491	.53639	.53110	.49354	-.00760	4.9666	.50800	.51206	.52559	.51296	2.4296
#2	.49857	.52077	1.0550	.53675	.53279	.49337	-.00989	4.9485	.50823	.51183	.52414	.50988	2.4285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **60.852**	F **1.1557**	**18.982**	**.49844**	**.52284**	F **5.6229**	**.53168**	**1.0405**	**1.0850**	**.04196**	**1.0511**	**1.0760**	**4.7870**
Stddev	.218	.0030	.046	.00178	.00377	.0011	.00080	.0115	.0047	.00038	.0115	.0109	.0215
%RSD	.35866	.26207	.24460	.35692	.72027	.02025	.15084	1.1065	.43038	.90066	1.0976	1.0140	.44807
#1	60.697	1.1535	19.014	.49970	.52551	5.6221	.53111	1.0486	1.0883	.04223	1.0593	1.0838	4.8021
#2	61.006	1.1578	18.949	.49719	.52018	5.6237	.53225	1.0323	1.0817	.04170	1.0430	1.0683	4.7718
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.244**	**1.0417**	**.50705**	**.00598**	**.47019**	**1.0438**	**.00907**	**.48777**	**.46920**	**.48038**
Stddev	.046	.0075	.00175	.00073	.00062	.0097	.00491	.00117	.00139	.00326
%RSD	.44807	.71608	.34492	12.196	.13085	.92417	54.182	.24055	.29563	.67806
#1	10.277	1.0469	.50582	.00650	.47062	1.0507	.00559	.48860	.47018	.47808
#2	10.212	1.0364	.50829	.00547	.46975	1.0370	.01254	.48694	.46822	.48268
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.2**	**100630.**	**4967.7**
Stddev	3.8	35.	10.2
%RSD	.05575	.03435	.20528
#1	6860.5	100600.	4960.5
#2	6865.9	100650.	4975.0

Sample Name: CCB Acquired: 11/16/2013 9:32:15 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00029**	**.00099**	**.00168**	**.00016**	**-.00003**	**-.00098**	**.00207**	**.00037**	**-.00004**	**.00009**
Stddev	.00010	.00019	.00069	.00027	.00007	.00006	.00217	.00410	.00009	.00009	.00012
%RSD	31.116	65.910	69.943	15.871	45.526	195.71	220.59	197.71	24.843	213.41	135.96
#1	.00040	.00015	.00050	.00187	.00011	.00001	-.00251	-.00083	.00030	-.00010	.00000
#2	.00026	.00042	.00148	.00149	.00020	-.00007	.00055	.00497	.00043	.00002	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00138**	**.00104**	**.03715**	**.00150**	**.00727**	**.00023**	**.00261**	**.04967**	**-.00005**	**.00145**	**.00048**
Stddev	.00015	.00117	.02415	.00095	.01066	.00028	.00059	.01035	.00003	.00170	.00023
%RSD	11.119	112.17	65.007	63.153	146.68	121.75	22.574	20.845	61.452	117.62	46.784
#1	-.00127	.00187	.05422	.00217	.01480	.00042	.00219	.04235	-.00003	.00024	.00032
#2	-.00148	.00022	.02007	.00083	-.00027	.00003	.00302	.05699	-.00006	.00265	.00064
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03888**	**.00219**	**.00264**	**.00356**	**.00762**	**.00039**	**.00004**	**.00223**	**.00047**	**-.00168**	**.00170**
Stddev	.00076	.00038	.00306	.00179	.00382	.00034	.00013	.00211	.00028	.00011	.01194
%RSD	1.9575	17.259	115.62	50.211	50.211	87.056	298.26	94.586	59.330	6.6969	700.57
#1	.03834	.00192	.00481	.00230	.00491	.00015	-.00005	.00372	.00067	-.00160	-.00674
#2	.03942	.00246	.00048	.00482	.01032	.00063	.00013	.00074	.00027	-.00175	.01014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00056**	**.00295**	W **.00335**
Stddev	.00021	.00019	.00273
%RSD	37.627	6.4548	81.484
#1	-.00041	.00281	.00142
#2	-.00071	.00308	.00527
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6917.7**	**103110.**	**4938.7**
Stddev	11.6	231.	5.0
%RSD	.16792	.22364	.10201
#1	6925.9	103270.	4942.3
#2	6909.5	102940.	4935.2

Sample Name: CCVL2383195 Acquired: 11/16/2013 9:34:35 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00980**	**.10566**	**.01260**	**.10680**	**.01079**	**.00097**	**.12061**	**.19493**	**.00533**	**.01028**	**.01039**	**.01433**	**.09712**
Stddev	.00011	.00145	.00050	.00008	.00040	.00006	.00042	.00079	.00000	.00010	.00001	.00050	.00113
%RSD	1.0826	1.3725	3.9345	.07589	3.6697	6.1994	.34467	.40421	.03760	.98569	.13045	3.4967	1.1671
#1	.00973	.10463	.01224	.10685	.01107	.00101	.12090	.19548	.00534	.01021	.01038	.01468	.09792
#2	.00988	.10668	.01295	.10674	.01051	.00093	.12031	.19437	.00533	.01035	.01040	.01397	.09632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5844**	**.00962**	**.19607**	**.01002**	**.02048**	**1.1300**	**.04260**	**3.0185**	**.01094**	**.02891**	**.00958**	**.01414**	**.46200**
Stddev	.0256	.00267	.00054	.00001	.00006	.0025	.00018	.0031	.00043	.00110	.00066	.00018	.00603
%RSD	.71381	27.743	.27708	.13955	.29260	.21876	.41639	.10121	3.9663	3.7944	6.9305	1.2460	1.3044
#1	3.5663	.00774	.19569	.01001	.02043	1.1283	.04247	3.0164	.01063	.02813	.00911	.01426	.45774
#2	3.6025	.01151	.19646	.01003	.02052	1.1317	.04273	3.0207	.01125	.02968	.01005	.01402	.46626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98867**	**.10708**	**.01002**	**.01380**	**.00946**	**.01605**	F **.08264**	**.00894**	**.02179**	**.01889**
Stddev	.01290	.00045	.00001	.00053	.00004	.00105	.01026	.00055	.00025	.00038
%RSD	1.3044	.42428	.13972	3.8255	.41368	6.5251	12.418	6.2000	1.1614	2.0308
#1	.97955	.10740	.01003	.01343	.00949	.01531	.08990	.00854	.02161	.01862
#2	.99779	.10676	.01001	.01418	.00943	.01679	.07539	.00933	.02197	.01916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7163.7**	**105590.**	**5088.1**
Stddev	36.4	384.	5.7
%RSD	.50801	.36342	.11118
#1	7189.4	105860.	5092.1
#2	7138.0	105310.	5084.1

Sample Name: 280-49200-a-8-a Acquired: 11/16/2013 9:36:57 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**170.83**	**.03134**	**.03259**	**2.0170**	**.00481**	W **-.06217**	**110.86**	**.00231**	**.07968**
Stddev	.00010	1.54	.00372	.00048	.0177	.00003	.00421	1.06	.00008	.00002
%RSD	7.5175	.90319	11.860	1.4824	.87702	.56499	6.7742	.95357	3.6583	.02469
#1	-.00142	171.92	.03397	.03293	2.0295	.00479	-.06515	111.61	.00237	.07970
#2	-.00127	169.74	.02871	.03225	2.0045	.00482	-.05919	110.11	.00225	.07967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15226**	**.18737**	**212.35**	**26.149**	**.10798**	**32.350**	**3.9574**	**.00241**	W **10.510**	**11.941**
Stddev	.00012	.00070	1.63	.201	.00261	.001	.0089	.00009	.109	.348
%RSD	.08161	.37484	.76570	.76820	2.4161	.00386	.22383	3.6408	1.0342	2.9108
#1	.15235	.18786	213.50	26.291	.10613	32.351	3.9636	.00235	10.586	11.695
#2	.15217	.18687	211.20	26.007	.10982	32.350	3.9511	.00248	10.433	12.187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08563**	W **6.0860**	**.12087**	**1.6339**	**-.00316**	**.00274**	**2.3435**	**5.0151**	**.01623**	**2.0366**
Stddev	.00019	.0127	.00054	.0040	.00013	.00693	.0048	.0102	.00048	.0166
%RSD	.21642	.20887	.44672	.24475	3.9813	252.90	.20414	.20414	2.9543	.81342
#1	.08550	6.0949	.12048	1.6367	-.00307	.00764	2.3401	5.0079	.01657	2.0484
#2	.08576	6.0770	.12125	1.6310	-.00325	-.00216	2.3469	5.0224	.01589	2.0249
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04058**	**3.9963**	**-.00920**	F **-.25620**	**.58846**	**.46792**	**.23336**
Stddev	.00013	.0041	.00070	.00541	.00011	.00047	.00018
%RSD	.32294	.10229	7.6085	2.1126	.01855	.10092	.07869
#1	.04049	3.9934	-.00871	-.25238	.58853	.46825	.23323
#2	.04068	3.9992	-.00970	-.26003	.58838	.46759	.23349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7517.8**	**107520.**	**5756.4**
Stddev	8.7	96.	50.0
%RSD	.11635	.08886	.86867
#1	7511.6	107450.	5721.1
#2	7524.0	107590.	5791.8

Sample Name: 280-49200-a-10-a Acquired: 11/16/2013 9:39:16 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**102.08**	**.02881**	**.06631**	**1.2478**	**.00296**	**-.04483**	**335.44**	**.00204**	**.04556**
Stddev	.00034	.69	.00156	.00066	.0040	.00017	.00093	3.82	.00009	.00059
%RSD	22.398	.67833	5.4253	.99565	.31803	5.7540	2.0706	1.1391	4.5862	1.2923
#1	-.00177	102.57	.02991	.06678	1.2506	.00308	-.04417	338.15	.00198	.04598
#2	-.00129	101.59	.02770	.06585	1.2450	.00283	-.04549	332.74	.00211	.04515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27712**	**.14561**	**121.22**	**21.021**	**.10418**	**24.550**	**2.6970**	**.00956**	**7.3050**	**.08421**
Stddev	.00285	.00102	.48	.149	.00149	.040	.0090	.00036	.0505	.00095
%RSD	1.0298	.69809	.39550	.70875	1.4285	.16137	.33381	3.7640	.69127	1.1308
#1	.27914	.14633	120.88	21.126	.10312	24.578	2.6906	.00930	7.3407	.08488
#2	.27511	.14489	121.56	20.916	.10523	24.522	2.7034	.00981	7.2693	.08354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0074**	**.14041**	**9.3184**	**-.00099**	**.00401**	**1.5521**	**3.3214**	**.01714**	**1.5485**	**.05921**
Stddev	.0357	.00047	.0264	.00184	.00302	.0329	.0704	.00058	.0039	.00172
%RSD	.88950	.33698	.28335	185.56	75.250	2.1207	2.1207	3.4088	.25279	2.9060
#1	4.0326	.14074	9.2998	.00031	.00188	1.5753	3.3712	.01673	1.5513	.05799
#2	3.9822	.14007	9.3371	-.00229	.00615	1.5288	3.2716	.01756	1.5457	.06043
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4557**	**-.00480**	F **-.20927**	**.35452**	**.53355**	**.14868**
Stddev	.0020	.00018	.00577	.00038	.00118	.00121
%RSD	.05909	3.8246	2.7586	.10594	.22060	.81198
#1	3.4571	-.00493	-.20518	.35479	.53271	.14783
#2	3.4542	-.00467	-.21335	.35426	.53438	.14954
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7146.0**	**102770.**	**5508.4**
Stddev	1.9	40.	58.1
%RSD	.02672	.03866	1.0547
#1	7144.7	102800.	5467.3
#2	7147.4	102740.	5549.5

Sample Name: 280-49200-a-11-a Acquired: 11/16/2013 9:41:43 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00173**	**232.56**	**.01201**	**.02551**	**1.1307**	**.00630**	**-.04891**	**122.33**	**.00146**	**.12305**
Stddev	.00017	2.27	.00173	.00001	.0121	.00010	.00075	1.25	.00023	.00018
%RSD	9.8908	.97655	14.365	.02206	1.0701	1.6346	1.5331	1.0247	15.942	.14230
#1	-.00185	230.95	.01079	.02551	1.1222	.00623	-.04838	121.44	.00162	.12292
#2	-.00160	234.16	.01323	.02552	1.1393	.00637	-.04944	123.22	.00130	.12317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18501**	**.47404**	**318.51**	**16.669**	**.14306**	**42.243**	**6.1355**	**.00181**	**15.219**	**.07216**
Stddev	.00069	.00146	3.79	.148	.00360	.088	.0151	.00014	.161	.00017
%RSD	.37451	.30790	1.1897	.88530	2.5156	.20836	.24560	7.9460	1.0560	.23468
#1	.18452	.47301	315.83	16.565	.14051	42.181	6.1248	.00171	15.106	.07228
#2	.18550	.47507	321.19	16.773	.14560	42.305	6.1461	.00191	15.333	.07204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.8542**	**.08778**	**2.3314**	**-.00102**	**.00049**	**1.5634**	**3.3457**	**.01463**	**1.2982**	**.02388**
Stddev	.0050	.00072	.0008	.00131	.00277	.0055	.0117	.00006	.0141	.00279
%RSD	.08489	.82470	.03551	128.45	559.12	.35002	.35002	.41490	1.0833	11.684
#1	5.8577	.08829	2.3319	-.00009	.00245	1.5673	3.3540	.01458	1.2883	.02585
#2	5.8506	.08727	2.3308	-.00195	-.00146	1.5596	3.3375	.01467	1.3081	.02190
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85439**	**-.00643**	F **-.32378**	**.56200**	**.62009**	**.31236**
Stddev	.00025	.00022	.00108	.00060	.00098	.00532
%RSD	.02920	3.3919	.33395	.10721	.15780	1.7023
#1	.85456	-.00628	-.32454	.56243	.61939	.30860
#2	.85421	-.00659	-.32302	.56157	.62078	.31612
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7841.9**	**111700.**	**5968.3**
Stddev	13.3	160.	91.3
%RSD	.16901	.14348	1.5301
#1	7851.3	111590.	6032.9
#2	7832.5	111810.	5903.8

Sample Name: 280-49200-a-12-a Acquired: 11/16/2013 9:44:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**237.52**	**.00759**	**.02346**	**1.4583**	**.00527**	W **-.05723**	**132.94**	**.00116**	**.13150**
Stddev	.00034	.43	.00033	.00013	.0013	.00001	.00072	.05	.00001	.00085
%RSD	22.336	.18171	4.3823	.53784	.08936	.17259	1.2595	.04053	1.2036	.64948
#1	-.00129	237.82	.00736	.02355	1.4593	.00526	-.05672	132.98	.00117	.13090
#2	-.00177	237.21	.00783	.02337	1.4574	.00528	-.05774	132.90	.00115	.13211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15727**	**.52787**	**362.94**	**13.608**	**.15739**	**40.320**	**7.1817**	**.00202**	**7.8705**	**.07888**
Stddev	.00079	.00195	.14	.011	.00012	.107	.0441	.00018	.0260	.00033
%RSD	.50279	.36873	.03930	.08154	.07751	.26440	.61395	8.7688	.33038	.41895
#1	.15672	.52925	363.04	13.616	.15747	40.245	7.1505	.00189	7.8889	.07912
#2	.15783	.52650	362.83	13.600	.15730	40.396	7.2129	.00214	7.8522	.07865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7364**	**.07030**	**1.6642**	**.00113**	**-.00135**	**1.1870**	**2.5403**	**.01390**	**1.8557**	**.01771**
Stddev	.0054	.00091	.0015	.00113	.00129	.0109	.0233	.00031	.0010	.00057
%RSD	.08032	1.2940	.09177	99.961	96.128	.91541	.91541	2.1976	.05271	3.2315
#1	6.7326	.07094	1.6653	.00033	-.00043	1.1947	2.5567	.01368	1.8564	.01731
#2	6.7403	.06966	1.6631	.00193	-.00226	1.1794	2.5238	.01411	1.8550	.01812
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93264**	W **-.01062**	F **-.29971**	**.69867**	**.66163**	**.37514**
Stddev	.00125	.00121	.00631	.00047	.00438	.00259
%RSD	.13410	11.383	2.1046	.06734	.66220	.68976
#1	.93176	-.01148	-.30417	.69834	.65854	.37331
#2	.93353	-.00977	-.29525	.69901	.66473	.37697
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7815.2**	**110880.**	**5971.1**
Stddev	9.7	410.	1.3
%RSD	.12401	.37015	.02159
#1	7822.0	111170.	5970.2
#2	7808.3	110590.	5972.0

Sample Name: 280-49200-a-16-a Acquired: 11/16/2013 9:46:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**174.97**	**.02993**	**.02965**	**1.9905**	**.00516**	W **-.05529**	**194.39**	**.00186**	**.07701**
Stddev	.00002	1.83	.00020	.00000	.0165	.00004	.00020	1.29	.00046	.00054
%RSD	1.6318	1.0433	.68316	.00555	.83168	.85617	.35557	.66554	24.762	.70016
#1	-.00119	176.26	.03007	.02965	2.0022	.00520	-.05515	195.31	.00219	.07739
#2	-.00122	173.68	.02978	.02966	1.9788	.00513	-.05543	193.48	.00154	.07663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20329**	**.19699**	**206.96**	**22.619**	**.10844**	**35.685**	**4.5742**	**.00168**	**7.0022**	**.07450**
Stddev	.00127	.00103	1.63	.207	.00128	.059	.0020	.00003	.0664	.00034
%RSD	.62587	.52126	.78657	.91301	1.1765	.16585	.04400	2.0686	.94788	.45486
#1	.20419	.19626	208.11	22.765	.10754	35.644	4.5756	.00166	7.0491	.07474
#2	.20239	.19771	205.80	22.473	.10935	35.727	4.5728	.00171	6.9552	.07426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.0073**	**.09415**	**1.1883**	**-.00151**	**.00324**	**2.4251**	**5.1898**	**.01496**	**2.7755**	**.03768**
Stddev	.0078	.00170	.0080	.00064	.00022	.0316	.0675	.00045	.0221	.00211
%RSD	.09751	1.8072	.67325	42.516	6.8231	1.3017	1.3017	2.9837	.79653	5.5938
#1	8.0128	.09535	1.1940	-.00197	.00309	2.4475	5.2376	.01464	2.7911	.03619
#2	8.0018	.09295	1.1827	-.00106	.00340	2.4028	5.1420	.01528	2.7598	.03917
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1461**	**-.00733**	F **-.26396**	**.54825**	**.43385**	**.27293**
Stddev	.0028	.00014	.02936	.00106	.00086	.00292
%RSD	.08845	1.8599	11.122	.19317	.19854	1.0704
#1	3.1442	-.00723	-.24320	.54900	.43446	.27086
#2	3.1481	-.00742	-.28472	.54750	.43324	.27499
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7486.4**	**107330.**	**5668.0**
Stddev	4.8	140.	52.8
%RSD	.06414	.13057	.93125
#1	7483.0	107420.	5630.7
#2	7489.8	107230.	5705.3

Sample Name: 280-49200-a-18-a Acquired: 11/16/2013 9:48:43 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**166.71**	**.03245**	**.03576**	**2.0016**	**.00498**	W **-.05403**	**190.26**	**.00222**	**.07652**
Stddev	.00028	1.45	.00023	.00003	.0158	.00009	.00128	1.64	.00009	.00006
%RSD	19.751	.87237	.70609	.08012	.78685	1.7992	2.3742	.85945	4.0098	.08210
#1	-.00121	167.74	.03261	.03574	2.0127	.00504	-.05493	191.42	.00228	.07656
#2	-.00161	165.68	.03229	.03578	1.9905	.00492	-.05312	189.10	.00215	.07647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15633**	**.19707**	**196.14**	**27.450**	**.10939**	**33.651**	**4.5744**	**.00349**	**6.1371**	**.08795**
Stddev	.00051	.00079	.95	.332	.00060	.008	.0110	.00038	.0471	.00005
%RSD	.32316	.40034	.48465	1.2104	.55242	.02259	.23962	10.789	.76726	.05160
#1	.15669	.19763	196.82	27.685	.10982	33.646	4.5667	.00376	6.1703	.08799
#2	.15597	.19651	195.47	27.216	.10896	33.657	4.5822	.00322	6.1038	.08792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1273**	**.12154**	**3.2760**	**-.00214**	**.00365**	**2.4026**	**5.1415**	**.01546**	**2.3326**	**.04129**
Stddev	.0053	.00303	.0065	.00033	.00020	.0253	.0541	.00104	.0156	.00110
%RSD	.08713	2.4914	.19963	15.470	5.4368	1.0514	1.0514	6.7323	.66973	2.6663
#1	6.1235	.12368	3.2806	-.00191	.00379	2.4204	5.1797	.01620	2.3437	.04051
#2	6.1311	.11940	3.2713	-.00238	.00351	2.3847	5.1033	.01473	2.3216	.04207
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3092**	**-.00744**	F **-.24107**	**.51509**	**.46674**	**.22748**
Stddev	.0014	.00190	.02509	.00071	.00005	.00065
%RSD	.04344	25.594	10.407	.13758	.01097	.28577
#1	3.3102	-.00610	-.22333	.51459	.46670	.22703
#2	3.3082	-.00879	-.25881	.51559	.46677	.22794
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7514.2**	**106970.**	**5616.8**
Stddev	10.6	16.	60.1
%RSD	.14043	.01527	1.0705
#1	7521.6	106980.	5574.3
#2	7506.7	106960.	5659.3

Sample Name: 280-49200-a-20-a Acquired: 11/16/2013 9:51:03 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**117.20**	**.03189**	**.05885**	**2.2639**	**.00347**	**-.04785**	**296.24**	**.00224**	**.04951**
Stddev	.00008	.55	.00062	.00024	.0035	.00011	.00060	5.96	.00006	.00038
%RSD	7.4203	.47318	1.9410	.39959	.15505	3.2457	1.2554	2.0120	2.5082	.76342
#1	-.00103	116.81	.03146	.05901	2.2614	.00339	-.04828	292.03	.00220	.04977
#2	-.00114	117.59	.03233	.05868	2.2664	.00355	-.04743	300.46	.00227	.04924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26178**	**.19598**	**129.52**	**25.836**	**.12021**	**27.125**	**2.9311**	**.00903**	**16.369**	**.08207**
Stddev	.00044	.00116	.92	.113	.00092	.131	.0273	.00031	.216	.00023
%RSD	.16733	.58961	.71007	.43737	.76233	.48458	.93048	3.3875	1.3223	.27423
#1	.26209	.19679	128.87	25.756	.12086	27.032	2.9118	.00925	16.522	.08223
#2	.26147	.19516	130.17	25.916	.11956	27.218	2.9504	.00881	16.216	.08191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.3873**	**.12849**	**7.7191**	**-.00155**	**.00301**	**1.4336**	**3.0679**	**.01440**	**1.6916**	**.06336**
Stddev	.0056	.00111	.0361	.00084	.00188	.0192	.0411	.00099	.0025	.00009
%RSD	.10294	.86366	.46726	54.236	62.258	1.3405	1.3405	6.9010	.14908	.13873
#1	5.3913	.12771	7.7446	-.00096	.00434	1.4200	3.0388	.01369	1.6898	.06330
#2	5.3834	.12928	7.6936	-.00215	.00169	1.4472	3.0970	.01510	1.6933	.06342
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3019**	**-.00603**	F **-.22629**	**.36598**	**.45537**	**.15794**
Stddev	.0108	.00086	.01584	.00112	.00207	.00217
%RSD	.32813	14.287	6.9996	.30493	.45366	1.3732
#1	3.2942	-.00542	-.21509	.36519	.45391	.15641
#2	3.3096	-.00664	-.23749	.36677	.45683	.15948
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7257.7**	**103330.**	**5522.1**
Stddev	20.7	203.	18.2
%RSD	.28506	.19622	.32905
#1	7243.0	103470.	5535.0
#2	7272.3	103180.	5509.3

Sample Name: 280-49200-a-22-a Acquired: 11/16/2013 9:53:29 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00174**	**209.59**	**.01948**	**.02006**	**2.1737**	**.00714**	**-.04403**	**116.10**	**.00135**	**.10730**
Stddev	.00013	1.07	.00034	.00025	.0139	.00012	.00189	.45	.00002	.00071
%RSD	7.5916	.50880	1.7198	1.2489	.64095	1.6350	4.3016	.38423	1.2122	.65871
#1	-.00184	210.34	.01972	.02024	2.1836	.00722	-.04537	116.41	.00133	.10680
#2	-.00165	208.83	.01925	.01988	2.1639	.00706	-.04269	115.78	.00136	.10780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11892**	**.34490**	**246.55**	**14.211**	**.13620**	**44.528**	**4.9976**	**.00224**	**32.563**	**.07275**
Stddev	.00007	.00169	1.16	.032	.00096	.106	.0072	.00019	.390	.00026
%RSD	.05940	.49011	.47187	.22673	.70678	.23786	.14368	8.3103	1.1990	.35178
#1	.11888	.34610	247.37	14.233	.13688	44.603	4.9926	.00237	32.287	.07257
#2	.11897	.34371	245.72	14.188	.13552	44.453	5.0027	.00211	32.840	.07293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.1671**	**.08716**	**.57650**	**.00147**	**-.00026**	**1.9871**	**4.2525**	**.01154**	**4.6285**	**.04040**
Stddev	.0057	.00093	.00024	.00041	.00031	.0270	.0577	.00003	.0311	.00367
%RSD	.06216	1.0667	.04206	27.781	121.49	1.3563	1.3563	.23980	.67179	9.0879
#1	9.1631	.08782	.57667	.00118	-.00048	2.0062	4.2933	.01156	4.6505	.03780
#2	9.1711	.08651	.57633	.00176	-.00004	1.9681	4.2117	.01152	4.6066	.04299
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98464**	**-.00696**	F **-.29935**	**.52250**	**.51155**	**.33644**
Stddev	.00352	.00057	.02840	.00002	.00100	.00150
%RSD	.35761	8.1977	9.4873	.00403	.19482	.44563
#1	.98713	-.00737	-.27927	.52248	.51226	.33750
#2	.98215	-.00656	-.31943	.52251	.51085	.33538
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7765.5**	**110230.**	**5868.1**
Stddev	5.4	95.	13.4
%RSD	.06918	.08626	.22865
#1	7761.7	110170.	5858.6
#2	7769.3	110300.	5877.6

Sample Name: 280-49200-a-24-a Acquired: 11/16/2013 9:55:49 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201100 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**158.39**	**.02448**	**.02431**	**2.1843**	**.00505**	**-.04790**	**101.04**	**.00148**	**.08266**
Stddev	.00035	.66	.00079	.00019	.0088	.00005	.00049	.54	.00008	.00058
%RSD	18.812	.41541	3.2174	.79289	.40403	1.0060	1.0310	.53667	5.4003	.70309
#1	-.00161	158.86	.02504	.02418	2.1906	.00509	-.04825	101.42	.00142	.08307
#2	-.00210	157.92	.02393	.02445	2.1781	.00501	-.04755	100.66	.00153	.08225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11172**	**.23547**	**197.27**	**24.339**	**.13041**	**34.283**	**4.2846**	**.00246**	**36.418**	**.07239**
Stddev	.00091	.00061	1.15	.181	.00331	.031	.0214	.00002	.129	.00101
%RSD	.81394	.25834	.58449	.74289	2.5401	.09033	.49924	.98001	.35296	1.3894
#1	.11236	.23590	198.08	24.467	.13275	34.305	4.2997	.00248	36.327	.07310
#2	.11108	.23504	196.45	24.211	.12807	34.262	4.2695	.00245	36.509	.07168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.6305**	**.09076**	**.95935**	**-.00069**	**-.00141**	**1.7277**	**3.6974**	**.01306**	**4.2983**	**.06432**
Stddev	.0054	.00096	.00663	.00304	.00238	.0104	.0222	.00053	.0169	.00066
%RSD	.07033	1.0592	.69088	439.69	168.93	.59916	.59916	4.0342	.39365	1.0338
#1	7.6342	.09144	.96403	.00146	.00027	1.7204	3.6817	.01343	4.3103	.06385
#2	7.6267	.09008	.95466	-.00284	-.00309	1.7351	3.7130	.01269	4.2863	.06479
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1377**	**-.00562**	F **-.28327**	**.44981**	**.47921**	**.28678**
Stddev	.0003	.00058	.00243	.00169	.00001	.00313
%RSD	.01529	10.296	.85845	.37522	.00240	1.0930
#1	2.1375	-.00602	-.28155	.45101	.47922	.28456
#2	2.1379	-.00521	-.28499	.44862	.47920	.28899
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7570.7**	**108280.**	**5673.2**
Stddev	9.2	300.	22.0
%RSD	.12157	.27696	.38777
#1	7564.2	108490.	5657.7
#2	7577.2	108070.	5688.8

Sample Name: CCVH-2382126 Acquired: 11/16/2013 9:58:10 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00845**	**50.783**	**-.00222**	**-.00002**	**.00118**	**-.00010**	W **1.0945**	**.02492**	**.00091**	**-.00056**	**.00041**	**.02190**
Stddev	.00018	.403	.00133	.00016	.00047	.00002	.0085	.01113	.00012	.00003	.00014	.00019
%RSD	2.0797	.79364	60.131	776.50	40.069	15.531	.77426	44.653	13.593	5.7660	33.982	.87725
#1	-.00858	51.068	-.00127	.00009	.00152	-.00012	1.0885	.03279	.00082	-.00053	.00051	.02204
#2	-.00833	50.498	-.00316	-.00013	.00085	-.00009	1.1005	.01705	.00100	-.00058	.00031	.02177
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.499**	**-.00456**	**.00147**	**.08152**	**.00141**	**.00030**	F **313.91**	**-.00072**	**.01205**	**.00231**	**5.1890**	**-.00472**
Stddev	.037	.06261	.00234	.00254	.00016	.00013	4.76	.00007	.00043	.00061	.0263	.00019
%RSD	.07551	1372.1	159.48	3.1184	11.460	43.432	1.5151	9.9322	3.5520	26.199	.50704	4.0874
#1	48.473	-.04884	-.00019	.08332	.00152	.00021	317.27	-.00077	.01175	.00188	5.1704	-.00458
#2	48.525	.03971	.00313	.07972	.00129	.00039	310.55	-.00067	.01236	.00274	5.2076	-.00485
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00706**	**-.00055**	**-.00118**	**.00046**	**.00098**	**4.7660**	**.01822**	**.00017**	F **11.737**	**.00377**	**.00220**	**-.07977**
Stddev	.00167	.00360	.00771	.00029	.00064	.0070	.00046	.00101	.025	.00013	.00001	.00346
%RSD	23.692	652.28	652.28	62.350	65.256	.14717	2.5109	585.14	.20986	3.4779	.48262	4.3403
#1	-.00824	.00200	.00427	.00026	.00143	4.7710	.01790	.00088	11.754	.00368	.00221	-.08222
#2	-.00588	-.00310	-.00664	.00066	.00053	4.7610	.01855	-.00054	11.719	.00386	.00219	-.07732
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6818.2**	**98550.**	**4953.0**
Stddev	22.8	82.	72.1
%RSD	.33449	.08312	1.4565
#1	6834.4	98493.	4902.0
#2	6802.1	98608.	5004.0

Sample Name: CCV-2372889 Acquired: 11/16/2013 10:00:33 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49626**	**.52208**	**1.0417**	**.53011**	**.52748**	**.48809**	**-.00920**	**4.9161**	**.50739**	**.51092**	**.52187**	**.51035**	**2.4085**
Stddev	.00124	.00194	.0047	.00125	.00423	.00420	.00241	.0380	.00061	.00030	.00139	.00015	.0163
%RSD	.24892	.37212	.44713	.23549	.80107	.86150	26.142	.77344	.11976	.05906	.26600	.02973	.67670
#1	.49713	.52070	1.0384	.53099	.52449	.48512	-.01090	4.8892	.50696	.51070	.52285	.51024	2.3970
#2	.49539	.52345	1.0450	.52922	.53047	.49106	-.00750	4.9430	.50782	.51113	.52089	.51046	2.4200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **60.515**	F **1.1421**	**18.791**	**.49476**	**.51626**	F **5.6250**	**.52915**	**1.0310**	**1.0732**	**.03782**	**1.0469**	**1.0689**	**4.7566**
Stddev	.636	.0050	.011	.00058	.00020	.0383	.00158	.0031	.0006	.00335	.0061	.0014	.0054
%RSD	1.0515	.43468	.05812	.11785	.03849	.68129	.29916	.29599	.05520	8.8603	.58205	.13155	.11328
#1	60.065	1.1386	18.799	.49517	.51612	5.5979	.53027	1.0289	1.0728	.03545	1.0426	1.0699	4.7528
#2	60.964	1.1456	18.784	.49435	.51640	5.6521	.52803	1.0332	1.0736	.04019	1.0512	1.0679	4.7604
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.179**	**1.0311**	**.50341**	**.00404**	**.46930**	**1.0311**	**.02013**	**.48713**	**.46494**	**.48352**
Stddev	.012	.0001	.00414	.00032	.00119	.0021	.01493	.00041	.00383	.00088
%RSD	.11328	.00566	.82189	7.8174	.25267	.20794	74.197	.08331	.82451	.18237
#1	10.171	1.0311	.50049	.00382	.46846	1.0326	.00957	.48742	.46765	.48289
#2	10.187	1.0312	.50634	.00426	.47014	1.0296	.03069	.48684	.46223	.48414
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6884.7**	**100990.**	**4988.8**
Stddev	3.4	441.	14.2
%RSD	.04915	.43643	.28416
#1	6887.1	100680.	4998.8
#2	6882.3	101300.	4978.8

Sample Name: CCB Acquired: 11/16/2013 10:02:42 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00647**	**.00157**	**.00025**	**.00035**	**.00002**	**-.00174**	**.00680**	**.00026**	**-.00013**	**.00009**	**-.00098**	**.00929**
Stddev	.00014	.00007	.00039	.00019	.00013	.00001	.00174	.00130	.00006	.00011	.00001	.00020	.00264
%RSD	46.775	1.0155	24.774	76.029	37.575	34.740	99.710	19.169	22.138	89.735	17.025	20.622	28.454
#1	-.00040	.00642	.00184	.00038	.00025	.00003	-.00051	.00588	.00022	-.00005	.00007	-.00112	.01116
#2	-.00020	.00651	.00129	.00011	.00044	.00002	-.00297	.00772	.00030	-.00021	.00010	-.00084	.00742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01166**	**-.00114**	**-.00043**	**.00016**	**.00187**	**.04879**	**-.00007**	**-.00029**	**.00062**	**.03407**	**.00177**	**.00345**	**-.00195**
Stddev	.04865	.00196	.00058	.00000	.00028	.00284	.00014	.00014	.00070	.00059	.00161	.00118	.00895
%RSD	417.41	172.52	132.52	.80762	14.928	5.8253	202.19	50.056	113.51	1.7176	91.186	34.252	459.21
#1	-.04606	.00025	-.00084	.00016	.00167	.05080	-.00017	-.00039	.00012	.03366	.00063	.00261	.00438
#2	.02275	-.00252	-.00003	.00016	.00206	.04678	.00003	-.00019	.00111	.03448	.00291	.00428	-.00828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00417**	**.00057**	**.00001**	**-.00085**	**.00026**	**-.00026**	**.03122**	**-.00056**	**.00290**	**.00180**
Stddev	.01916	.00054	.00002	.00091	.00009	.00048	.02016	.00008	.00027	.00062
%RSD	459.21	94.715	276.64	107.25	33.684	187.29	64.568	15.112	9.1831	34.754
#1	.00938	.00095	.00002	-.00150	.00020	-.00060	.04547	-.00062	.00309	.00224
#2	-.01772	.00019	-.00001	-.00021	.00032	.00008	.01697	-.00050	.00272	.00135
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6922.7**	**102830.**	**4996.7**
Stddev	13.9	246.	9.2
%RSD	.20048	.23936	.18463
#1	6932.5	103010.	4990.2
#2	6912.9	102660.	5003.3

Sample Name: CCVL2383195 Acquired: 11/16/2013 10:05:03 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00924**	**.11176**	**.01542**	**.10525**	**.01064**	**.00089**	**.12107**	**.20044**	**.00519**	**.01041**	**.01031**	**.01387**	**.10777**
Stddev	.00028	.00019	.00064	.00037	.00040	.00011	.00013	.00116	.00020	.00009	.00011	.00016	.00151
%RSD	3.0201	.17241	4.1304	.35581	3.7420	12.046	.11054	.57749	3.7726	.81880	1.0208	1.1851	1.4028
#1	.00904	.11189	.01497	.10499	.01092	.00097	.12097	.20126	.00506	.01035	.01038	.01376	.10884
#2	.00943	.11162	.01587	.10552	.01036	.00082	.12116	.19962	.00533	.01047	.01024	.01399	.10670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5259**	**.01156**	**.19324**	**.00998**	**.01997**	**1.1290**	**.04260**	**3.0054**	**.00955**	**.02560**	**.01045**	**.01499**	**.45849**
Stddev	.0250	.00155	.00338	.00007	.00019	.0304	.00010	.0072	.00000	.00014	.00083	.00020	.00009
%RSD	.70773	13.421	1.7509	.65939	.95868	2.6890	.23241	.23847	.03030	.55155	7.9899	1.3197	.01870
#1	3.5435	.01046	.19085	.01003	.01983	1.1504	.04253	3.0003	.00955	.02570	.01104	.01485	.45843
#2	3.5082	.01266	.19564	.00993	.02011	1.1075	.04267	3.0105	.00956	.02551	.00986	.01513	.45855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98117**	**.10631**	**.00980**	**.01161**	**.00938**	**.01569**	F **.08573**	**.00857**	**.02167**	**.01767**
Stddev	.00018	.00069	.00005	.00146	.00003	.00083	.03571	.00056	.00047	.00021
%RSD	.01870	.64660	.52957	12.553	.33196	5.3044	41.655	6.5079	2.1754	1.2044
#1	.98104	.10582	.00983	.01264	.00940	.01510	.06048	.00818	.02134	.01752
#2	.98130	.10679	.00976	.01058	.00936	.01628	.11098	.00896	.02200	.01782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7103.3**	**105260.**	**4999.9**
Stddev	28.8	124.	108.8
%RSD	.40535	.11809	2.1757
#1	7123.7	105350.	4922.9
#2	7083.0	105170.	5076.8

Sample Name: mb 280-201153/1-a Acquired: 11/16/2013 10:07:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00011**	W **.06370**	**-.00097**	**-.00020**	**.00009**	**-.00002**	**-.00310**	**.00951**	**.00046**	**.00012**
Stddev	.00044	.08011	.00034	.00009	.00008	.00001	.00194	.00516	.00015	.00007
%RSD	385.83	125.76	35.106	46.320	84.276	72.492	62.505	54.322	32.523	57.107
#1	.00020	.12034	-.00073	-.00013	.00014	-.00003	-.00173	.00585	.00057	.00007
#2	-.00043	.00705	-.00121	-.00026	.00004	-.00001	-.00447	.01316	.00036	.00017
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01647								
Low Limit	-.00010	-.05000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00091**	W **.06812**	**-.04960**	**-.00111**	**.00161**	W **.00039**	**.00035**	**.02847**	**.00011**
Stddev	.00020	.00047	.00160	.02000	.00037	.00124	.00001	.00005	.00487	.00027
%RSD	203.54	51.728	2.3529	40.329	33.432	76.809	2.3263	13.524	17.097	247.30
#1	.00023	-.00058	.06698	-.06374	-.00137	.00074	.00040	.00038	.03191	.00030
#2	-.00004	-.00124	.06925	-.03545	-.00085	.00249	.00039	.00032	.02503	-.00008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.01710				.00023			
Low Limit			-.05000				-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00894**	**.00181**	F **.03201**	**.00021**	**.00231**	**.00471**	**.01008**	**.00022**	**-.00009**	W **.00231**
Stddev	.00285	.00054	.00075	.00110	.00215	.01545	.03307	.00078	.00002	.00037
%RSD	31.935	29.916	2.3571	534.81	93.388	327.97	327.97	360.50	25.694	16.090
#1	.01095	.00219	.03254	.00099	.00383	-.00622	-.01330	-.00033	-.00010	.00258
#2	.00692	.00142	.03148	-.00057	.00078	.01564	.03347	.00077	-.00007	.00205
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00128**	**.02190**	**-.00076**	**.00302**	**.00361**
Stddev	.00015	.00030	.01808	.00002	.00012	.00084
%RSD	94.940	23.155	82.554	2.6460	3.8456	23.230
#1	-.00026	-.00107	.00912	-.00078	.00310	.00302
#2	-.00005	-.00149	.03468	-.00075	.00294	.00421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6995.3**	**104690.**	**4980.8**
Stddev	27.7	22.	49.4
%RSD	.39528	.02078	.99111
#1	6975.7	104670.	4945.9
#2	7014.8	104700.	5015.7

Sample Name: lcs 280-201153/2-a Acquired: 11/16/2013 10:09:46 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04768**	**1.9373**	**1.0620**	**1.0531**	**2.0713**	**.04758**	**2.1886**	**46.543**	**.10057**	**.49057**
Stddev	.00024	.0055	.0035	.0048	.0108	.00027	.0096	.207	.00040	.00032
%RSD	.49366	.28192	.33219	.45370	.52262	.57205	.43660	.44468	.40124	.06522
#1	.04751	1.9412	1.0595	1.0498	2.0789	.04778	2.1818	46.690	.10028	.49034
#2	.04785	1.9335	1.0645	1.0565	2.0636	.04739	2.1953	46.397	.10085	.49079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20770**	**.25783**	**1.0086**	F **60.070**	**1.1346**	**46.877**	**.48511**	**1.0267**	F **61.736**	**.51125**
Stddev	.00070	.00015	.0029	.121	.0045	.023	.00123	.0018	.325	.00290
%RSD	.33470	.05843	.28344	.20169	.40015	.04978	.25302	.17873	.52649	.56725
#1	.20721	.25772	1.0106	60.156	1.1378	46.893	.48425	1.0280	61.966	.50920
#2	.20820	.25794	1.0066	59.984	1.1314	46.860	.48598	1.0254	61.507	.51330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000					56.000	
Low Limit				44.500					45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.388**	**.52354**	**.02813**	**.51525**	**2.1526**	**9.4859**	**20.300**	**2.0357**	**.98656**	**.93073**
Stddev	.002	.00250	.00004	.00062	.0046	.0422	.090	.0023	.00439	.00273
%RSD	.02202	.47821	.13302	.12060	.21596	.44517	.44517	.11427	.44490	.29358
#1	10.386	.52177	.02816	.51481	2.1559	9.5158	20.364	2.0341	.98966	.93267
#2	10.390	.52531	.02811	.51569	2.1493	9.4561	20.236	2.0374	.98346	.92880
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94235**	**1.9726**	F **2.3666**	**.48537**	**.45512**	**.46239**
Stddev	.00028	.0035	.0049	.00093	.00000	.00061
%RSD	.02949	.17922	.20696	.19115	.00026	.13210
#1	.94216	1.9751	2.3701	.48471	.45512	.46196
#2	.94255	1.9701	2.3632	.48603	.45512	.46282
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6684.5**	**98074.**	**4981.0**
Stddev	8.3	46.	6.3
%RSD	.12491	.04691	.12675
#1	6678.6	98107.	4985.4
#2	6690.4	98042.	4976.5

Sample Name: 280-49261-a-1-d Acquired: 11/16/2013 10:11:54 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00386**	**.07970**	**.00137**	**.04734**	**1.1326**	**.00000**	**-.00533**	**37.703**	**.00073**	**.00053**
Stddev	.00019	.00003	.00166	.00054	.0012	.0001	.00178	.052	.00012	.00008
%RSD	4.8669	.03470	121.38	1.1345	.10407	1496.3	33.366	.13767	16.036	15.825
#1	.00373	.07968	.00255	.04772	1.1334	.00004	-.00407	37.740	.00081	.00059
#2	.00399	.07972	.00019	.04696	1.1318	-.00005	-.00659	37.667	.00064	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.68386**	**3.4015**	**25.617**	**.01568**	**8.0077**	**.27316**	**.00428**	**267.08**	**.08882**
Stddev	.00010	.00234	.0120	.014	.00240	.0592	.00030	.00090	.33	.00046
%RSD	2.4519	.34158	.35317	.05307	15.313	.73908	.10811	21.127	.12290	.51378
#1	.00384	.68221	3.3930	25.627	.01738	7.9659	.27295	.00364	266.85	.08849
#2	.00398	.68551	3.4100	25.607	.01398	8.0496	.27337	.00491	267.31	.08914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78702**	**.01235**	W **184.64**	**.00021**	**.00530**	**.32715**	**.70011**	**.48977**	**.31668**	**.00027**
Stddev	.00160	.00005	.12	.00037	.00434	.01487	.03181	.00244	.00058	.00037
%RSD	.20267	.44514	.06742	175.96	81.910	4.5443	4.5443	.49730	.18408	137.94
#1	.78589	.01231	184.55	.00047	.00223	.33767	.72260	.48805	.31709	.00001
#2	.78815	.01239	184.73	-.00005	.00837	.31664	.67761	.49149	.31626	.00054
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00106**	**.00831**	**-.00065**	**.03090**	**.00331**
Stddev	.00019	.00098	.01447	.00023	.00020	.00122
%RSD	27.739	91.991	174.01	34.856	.64416	36.920
#1	.00082	-.00037	-.00192	-.00081	.03104	.00418
#2	.00055	-.00176	.01854	-.00049	.03075	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6564.0**	**95857.**	**4989.9**
Stddev	11.5	225.	33.1
%RSD	.17516	.23515	.66379
#1	6555.9	96016.	4966.5
#2	6572.1	95697.	5013.3

Sample Name: 280-49261-a-1-dSD@5 Acquired: 11/16/2013 10:14:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.02583**	**-.00049**	**.01077**	**.24249**	**-.00006**	**-.00314**	**8.1416**	**.00032**	**.00008**
Stddev	.00046	.00025	.00159	.00008	.00001	.00005	.00304	.0095	.00004	.00004
%RSD	82.733	.96380	322.40	.73312	.00414	82.355	97.048	.11658	13.037	51.511
#1	.00089	.02565	.00063	.01071	.24250	-.00009	-.00098	8.1483	.00029	.00010
#2	.00023	.02601	-.00161	.01082	.24248	-.00002	-.00529	8.1349	.00035	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.14625**	**.74182**	**5.3824**	**.00336**	**1.7673**	**.05897**	**.00045**	**57.984**	**.01947**
Stddev	.00007	.00042	.00484	.0506	.00144	.0017	.00029	.00019	.139	.00016
%RSD	5.9407	.29009	.65295	.94093	42.871	.09542	.49483	43.607	.23970	.82365
#1	.00111	.14655	.73840	5.3466	.00438	1.7661	.05877	.00031	57.886	.01936
#2	.00121	.14595	.74525	5.4182	.00234	1.7685	.05918	.00058	58.083	.01959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16311**	**.00452**	**38.612**	**-.00158**	**.00016**	**.07195**	**.15398**	**.10688**	**.06882**	**-.00142**
Stddev	.00138	.00023	.094	.00017	.00217	.01601	.03426	.00062	.00012	.00190
%RSD	.84352	5.1563	.24355	10.579	1389.1	22.252	22.252	.57633	.17415	133.93
#1	.16213	.00436	38.679	-.00170	.00169	.08327	.17820	.10732	.06873	-.00277
#2	.16408	.00469	38.546	-.00146	-.00138	.06063	.12975	.10644	.06890	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00076**	**.02748**	**-.00041**	**.01223**	**.00535**
Stddev	.00018	.00006	.01638	.00007	.00042	.00074
%RSD	889.81	8.2248	59.615	17.577	3.4087	13.792
#1	-.00015	.00071	.03906	-.00046	.01252	.00587
#2	.00011	.00080	.01589	-.00036	.01193	.00483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6836.2**	**101090.**	**5069.9**
Stddev	4.4	216.	1.2
%RSD	.06418	.21319	.02344
#1	6833.1	101240.	5070.8
#2	6839.3	100940.	5069.1

Sample Name: 280-49261-a-1-e ms Acquired: 11/16/2013 10:16:37 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05272**	**1.9180**	**1.0681**	**1.0642**	**3.2111**	**.04668**	F **2.1255**	**83.392**	**.10014**	**.48531**
Stddev	.00051	.0040	.0098	.0058	.0144	.00002	.0160	.532	.00083	.00195
%RSD	.96665	.20581	.92123	.54666	.44785	.04095	.75151	.63791	.82426	.40158
#1	.05308	1.9208	1.0751	1.0683	3.2213	.04667	2.1368	83.768	.10073	.48669
#2	.05236	1.9152	1.0611	1.0601	3.2009	.04670	2.1142	83.016	.09956	.48393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20711**	**.92399**	**4.2080**	**86.749**	**1.1834**	**52.841**	**.74408**	**1.0147**	**324.15**	**.58294**
Stddev	.00078	.00255	.0153	.485	.0033	.118	.00006	.0037	1.34	.00327
%RSD	.37716	.27575	.36297	.55964	.28229	.22362	.00778	.36234	.41428	.56062
#1	.20767	.92579	4.1972	87.092	1.1858	52.758	.74404	1.0173	325.10	.58525
#2	.20656	.92219	4.2188	86.405	1.1810	52.925	.74412	1.0121	323.20	.58063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.228**	**.51245**	W **181.77**	**.50027**	**2.1319**	**9.7319**	**20.826**	W **2.4191**	**1.3040**	**.91567**
Stddev	.064	.00015	1.10	.00456	.0143	.0443	.095	.0088	.0053	.00149
%RSD	.56962	.02919	.60536	.91132	.67013	.45492	.45492	.36537	.40535	.16288
#1	11.274	.51256	182.54	.50350	2.1420	9.7006	20.759	2.4254	1.3078	.91462
#2	11.183	.51235	180.99	.49705	2.1218	9.7632	20.893	2.4129	1.3003	.91673
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93237**	**1.8070**	**2.3176**	**.48189**	**.47529**	**.45677**
Stddev	.00121	.0141	.0263	.00029	.00383	.00297
%RSD	.12992	.77779	1.1370	.06055	.80655	.65044
#1	.93322	1.8170	2.2990	.48168	.47258	.45467
#2	.93151	1.7971	2.3362	.48210	.47800	.45888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6395.7**	**94053.**	**4896.6**
Stddev	21.6	248.	52.0
%RSD	.33792	.26409	1.0622
#1	6380.4	94229.	4859.9
#2	6410.9	93877.	4933.4

Sample Name: 280-49261-a-1-f msd Acquired: 11/16/2013 10:18:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05374**	**1.9731**	**1.1018**	**1.0990**	**3.3096**	**.04832**	F **2.1904**	**85.983**	**.10344**	**.50009**
Stddev	.00051	.0013	.0009	.0024	.0176	.00029	.0055	.386	.00009	.00028
%RSD	.95057	.06797	.08563	.21766	.53188	.60630	.25115	.44942	.08582	.05587
#1	.05410	1.9740	1.1024	1.1007	3.3220	.04811	2.1943	86.257	.10350	.50029
#2	.05337	1.9721	1.1011	1.0973	3.2971	.04852	2.1866	85.710	.10337	.49989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21436**	**.95613**	**4.3795**	**89.556**	**1.2124**	**54.411**	**.76724**	**1.0500**	**335.24**	**.60381**
Stddev	.00050	.00019	.0123	.495	.0083	.195	.00152	.0019	1.51	.00063
%RSD	.23428	.01972	.28076	.55292	.68198	.35846	.19771	.18597	.45014	.10406
#1	.21471	.95626	4.3882	89.906	1.2183	54.549	.76831	1.0486	336.31	.60336
#2	.21400	.95600	4.3708	89.206	1.2066	54.273	.76617	1.0513	334.17	.60425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.590**	**.52876**	W **188.50**	**.51750**	**2.2034**	**10.001**	**21.403**	W **2.5050**	**1.3374**	**.93839**
Stddev	.003	.00024	.15	.00244	.0076	.055	.118	.0013	.0070	.00037
%RSD	.02537	.04562	.07967	.47093	.34296	.55127	.55127	.05229	.52242	.03915
#1	11.592	.52859	188.40	.51922	2.2087	10.040	21.486	2.5059	1.3423	.93813
#2	11.588	.52893	188.61	.51578	2.1980	9.9623	21.319	2.5040	1.3324	.93865
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95909**	**1.8565**	**2.3603**	**.49745**	**.49056**	**.47299**
Stddev	.00004	.0036	.0310	.00052	.00076	.00197
%RSD	.00458	.19214	1.3144	.10391	.15478	.41720
#1	.95906	1.8590	2.3384	.49708	.49110	.47160
#2	.95912	1.8540	2.3822	.49781	.49002	.47439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6370.7**	**93724.**	**4938.1**
Stddev	4.6	288.	34.8
%RSD	.07201	.30683	.70441
#1	6374.0	93521.	4913.5
#2	6367.5	93927.	4962.6

Sample Name: CCVH-2382126 Acquired: 11/16/2013 10:21:00 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00864**	**49.479**	**.00088**	**.00387**	**.00117**	**-.00005**	W **1.0784**	**.01024**	**.00078**	**-.00061**	**.00029**	**.02143**
Stddev	.00000	.261	.00226	.00114	.00003	.00004	.0055	.00193	.00006	.00007	.00004	.00006
%RSD	.00037	.52850	255.36	29.443	2.9783	75.198	.51154	18.806	7.5643	11.246	14.102	.27249
#1	-.00863	49.294	-.00071	.00468	.00119	-.00008	1.0745	.00888	.00082	-.00056	.00032	.02147
#2	-.00864	49.664	.00248	.00306	.00114	-.00003	1.0823	.01161	.00074	-.00066	.00026	.02139
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.485**	**.18847**	**.00272**	**.07889**	**.00114**	**.00351**	F **308.24**	**-.00040**	**.00689**	**.00289**	**5.1203**	**-.00149**
Stddev	.115	.06797	.00070	.00090	.00001	.00075	.27	.00033	.00031	.00076	.0374	.00207
%RSD	.24258	36.066	25.804	1.1440	.68598	21.505	.08804	80.961	4.5124	26.194	.73028	138.99
#1	47.403	.14040	.00222	.07952	.00114	.00297	308.05	-.00017	.00667	.00236	5.0938	-.00003
#2	47.566	.23653	.00321	.07825	.00113	.00404	308.43	-.00064	.00711	.00343	5.1467	-.00296
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00407**	**.00315**	**.00674**	**.00132**	**.00038**	W **4.6750**	**.01768**	**.00291**	F **11.538**	**.00351**	**.00245**	**-.07836**
Stddev	.00350	.01669	.03571	.00026	.00011	.0129	.00021	.00032	.015	.00018	.00102	.00042
%RSD	85.952	529.58	529.58	19.532	28.386	.27651	1.1697	10.862	.12815	5.0418	41.561	.54098
#1	-.00655	-.00865	-.01851	.00150	.00030	4.6659	.01782	.00313	11.548	.00364	.00316	-.07866
#2	-.00160	.01495	.03199	.00113	.00045	4.6841	.01753	.00268	11.527	.00339	.00173	-.07806
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6819.9**	**99347.**	**4969.8**
Stddev	39.5	57.	2.3
%RSD	.57902	.05725	.04593
#1	6847.8	99387.	4968.2
#2	6791.9	99306.	4971.4

Sample Name: CCV-2372889 Acquired: 11/16/2013 10:23:19 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49845**	**.52240**	**1.0484**	**.53731**	**.53862**	**.49865**	**-.01068**	**4.9950**	**.50886**	**.51274**	**.52591**	**.51356**	**2.4492**
Stddev	.00007	.00051	.0095	.00382	.00354	.00550	.00300	.0088	.00044	.00026	.00083	.00263	.0042
%RSD	.01326	.09792	.90688	.71027	.65813	1.1023	28.102	.17600	.08596	.05086	.15836	.51254	.16954
#1	.49849	.52276	1.0551	.54001	.54112	.50254	-.00856	5.0012	.50855	.51293	.52650	.51542	2.4521
#2	.49840	.52204	1.0417	.53461	.53611	.49477	-.01281	4.9888	.50917	.51256	.52532	.51170	2.4462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **62.034**	F **1.1676**	**18.976**	**.50071**	**.52099**	F **5.8083**	**.53366**	**1.0385**	**1.0841**	**.03811**	**1.0468**	**1.0707**	**4.8341**
Stddev	.527	.0122	.016	.00050	.00441	.0389	.00343	.0087	.0066	.00249	.0075	.0069	.0175
%RSD	.84891	1.0462	.08506	.10022	.84730	.67000	.64329	.83463	.60630	6.5212	.71406	.64754	.36117
#1	62.407	1.1762	18.965	.50107	.52411	5.8358	.53609	1.0446	1.0888	.03987	1.0521	1.0756	4.8217
#2	61.662	1.1589	18.987	.50036	.51787	5.7808	.53123	1.0324	1.0795	.03635	1.0415	1.0658	4.8464
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.345**	**1.0380**	**.51330**	**.00618**	**.47045**	**1.0407**	**.00943**	**.49080**	**.47219**	**.48749**
Stddev	.037	.0050	.00440	.00077	.00060	.0071	.01023	.00104	.00035	.00037
%RSD	.36117	.48449	.85766	12.435	.12699	.68562	108.55	.21092	.07416	.07569
#1	10.319	1.0416	.51642	.00672	.47003	1.0457	.00219	.49153	.47244	.48775
#2	10.371	1.0345	.51019	.00563	.47087	1.0356	.01666	.49007	.47194	.48723
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6820.8**	**100380.**	**4837.6**
Stddev	21.4	178.	57.0
%RSD	.31381	.17691	1.1781
#1	6805.7	100510.	4797.3
#2	6836.0	100260.	4877.9

Sample Name: CCB Acquired: 11/16/2013 10:25:28 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00002**	**.00016**	**.00139**	**.00051**	**.00004**	**-.00335**	**.00329**	**.00015**	**-.00011**	**.00018**
Stddev	.00008	.00044	.00142	.00058	.00030	.00004	.00042	.00198	.00012	.00011	.00002
%RSD	31.289	2287.4	874.19	41.786	58.529	106.46	12.532	60.090	78.902	105.02	9.5750
#1	-.00032	.00029	-.00084	.00180	.00030	.00001	-.00305	.00189	.00007	-.00003	.00019
#2	-.00021	-.00033	.00117	.00098	.00072	.00007	-.00364	.00469	.00024	-.00019	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00150**	**.00235**	**.01637**	W **.00333**	**.00043**	**-.00002**	**.00237**	**.06809**	**-.00019**	**.00003**	**.00085**
Stddev	.00020	.00133	.04152	.00233	.00054	.00004	.00053	.01657	.00006	.00090	.00067
%RSD	13.564	56.581	253.64	69.918	125.31	279.04	22.341	24.335	30.071	2631.1	78.032
#1	-.00164	.00330	.04573	.00498	.00005	.00001	.00200	.05637	-.00015	-.00060	.00038
#2	-.00135	.00141	-.01299	.00169	.00081	-.00005	.00275	.07980	-.00023	.00067	.00133
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261							
Low Limit	-.00136			-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03239**	**.00264**	**.00358**	**.00148**	**.00317**	**.00029**	**.00000**	**.00039**	**-.00007**	**-.00042**	**-.00474**
Stddev	.00226	.00134	.00344	.00572	.01224	.00003	.00000	.00090	.00038	.00082	.00765
%RSD	6.9677	50.895	96.295	386.51	386.51	9.4879	650.31	232.79	573.91	194.07	161.35
#1	.03399	.00359	.00601	.00552	.01182	.00031	.00000	.00102	-.00033	-.00101	-.01015
#2	.03080	.00169	.00114	-.00256	-.00549	.00027	.00000	-.00025	.00020	.00016	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00023**	**.00274**	W **.00300**
Stddev	.00007	.00032	.00046
%RSD	28.380	11.835	15.297
#1	-.00018	.00251	.00268
#2	-.00028	.00297	.00333
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6884.0**	**102500.**	**4935.3**
Stddev	18.0	366.	56.0
%RSD	.26150	.35737	1.1348
#1	6896.7	102240.	4895.7
#2	6871.2	102760.	4974.9

Sample Name: CCVL2383195 Acquired: 11/16/2013 10:27:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00948**	**.10606**	**.01455**	**.10536**	**.01076**	**.00088**	**.11939**	**.18929**	**.00529**	**.01028**	**.01033**	**.01426**	**.09847**	**3.5374**
Stddev	.00041	.00004	.00118	.00102	.00022	.00013	.00071	.00399	.00001	.00026	.00004	.00007	.00033	.0026
%RSD	4.3114	.03872	8.0957	.97230	2.0813	14.592	.59435	2.1073	.11233	2.5632	.40206	.49372	.33175	.07283
#1	.00919	.10609	.01371	.10464	.01060	.00097	.11889	.19211	.00530	.01010	.01030	.01421	.09870	3.5356
#2	.00977	.10603	.01538	.10609	.01092	.00079	.11990	.18647	.00529	.01047	.01036	.01431	.09824	3.5393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01178**	**.19379**	**.00996**	**.02019**	**1.1484**	**.04209**	**2.9870**	**.01014**	**.02321**	**.00876**	**.01644**	**.46754**	**1.0005**	**.10640**
Stddev	.00089	.00223	.00010	.00034	.0091	.00059	.0202	.00078	.00071	.00185	.00068	.00011	.0002	.00016
%RSD	7.5723	1.1516	.96475	1.6899	.79086	1.3953	.67540	7.7241	3.0790	21.076	4.1126	.02421	.02421	.15312
#1	.01115	.19221	.01003	.01995	1.1420	.04168	2.9727	.00958	.02270	.01007	.01692	.46746	1.0004	.10628
#2	.01241	.19537	.00989	.02043	1.1548	.04251	3.0012	.01069	.02371	.00746	.01596	.46762	1.0007	.10651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.01413**	**.00873**	**.01552**	**.06770**	**.00894**	**.02250**	**.01748**
Stddev	.00002	.00003	.00020	.00033	.01917	.00011	.00032	.00087
%RSD	.18525	.24016	2.2547	2.1393	28.325	1.1805	1.4391	4.9555
#1	.00992	.01410	.00859	.01529	.05414	.00901	.02273	.01809
#2	.00995	.01415	.00887	.01576	.08125	.00886	.02227	.01687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7070.8**	**104310.**	**4983.7**
Stddev	6.2	27.	7.9
%RSD	.08821	.02600	.15807
#1	7075.2	104330.	4989.3
#2	7066.4	104290.	4978.1

Sample Name: 280-48937-a-1-a Acquired: 11/16/2013 10:30:09 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.28945**	**-.00013**	**.04558**	**.06778**	**.00013**	**.00047**	**31.848**	**.00075**	**.00217**
Stddev	.00048	.00233	.00002	.00011	.00012	.00002	.00234	.239	.00015	.00014
%RSD	268.25	.80646	11.694	.23348	.17733	18.692	493.31	.74995	19.578	6.4763
#1	.00016	.28780	-.00015	.04566	.06770	.00014	-.00118	32.017	.00064	.00207
#2	-.00052	.29110	-.00012	.04551	.06787	.00011	.00213	31.679	.00085	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.03007**	**4.9639**	**17.729**	**.00306**	**8.5060**	**.16819**	**.00143**	**102.06**	**.00505**
Stddev	.00011	.00035	.0150	.175	.00176	.0010	.00088	.00018	.15	.00010
%RSD	13.894	1.1650	.30188	.98508	57.562	.01229	.52075	12.558	.14926	2.0439
#1	.00073	.02983	4.9533	17.852	.00430	8.5067	.16881	.00130	102.17	.00497
#2	.00089	.03032	4.9745	17.605	.00181	8.5052	.16757	.00156	101.96	.00512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9173**	**.00233**	**11.714**	**-.00145**	**.00178**	**4.3297**	**9.2655**	**.00179**	**.14215**	**.00069**
Stddev	.0020	.00106	.028	.00137	.00122	.0488	.1045	.00005	.00131	.00067
%RSD	.05189	45.277	.23879	94.756	68.554	1.1279	1.1279	2.8003	.92502	97.355
#1	3.9188	.00308	11.694	-.00242	.00264	4.2952	9.1916	.00182	.14308	.00116
#2	3.9159	.00159	11.734	-.00048	.00092	4.3642	9.3394	.00175	.14122	.00021
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00654**	**-.00043**	**.00987**	**.00016**	**.05355**	**.00381**
Stddev	.00091	.00040	.03394	.00002	.00060	.00074
%RSD	13.838	92.049	343.73	9.4071	1.1154	19.372
#1	.00718	-.00072	-.01413	.00015	.05397	.00329
#2	.00590	-.00015	.03387	.00017	.05312	.00434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6791.8**	**100570.**	**4966.0**
Stddev	16.7	24.	68.7
%RSD	.24637	.02415	1.3832
#1	6780.0	100560.	4917.4
#2	6803.6	100590.	5014.6

Sample Name: 280-48938-a-1-a Acquired: 11/16/2013 10:32:30 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.13542**	**-.00085**	**.15017**	**.05144**	**-.00006**	**-.00240**	**44.079**	**.00053**	**.00257**
Stddev	.00026	.00017	.00079	.00019	.00026	.00006	.00076	.431	.00015	.00003
%RSD	90.863	.12322	93.393	.12769	.50713	99.769	31.573	.97760	28.575	1.0862
#1	-.00047	.13530	-.00029	.15004	.05163	-.00002	-.00186	44.383	.00042	.00259
#2	-.00010	.13554	-.00141	.15031	.05126	-.00011	-.00293	43.774	.00063	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.02835**	**.87925**	**15.470**	**.00442**	**9.7313**	**.05168**	**.00262**	**58.828**	**.00415**
Stddev	.00000	.00010	.01001	.141	.00213	.0194	.00004	.00041	.017	.00017
%RSD	.27754	.35754	1.1380	.91204	48.293	.19915	.07469	15.569	.02942	4.1117
#1	.00065	.02842	.88633	15.570	.00593	9.7176	.05166	.00234	58.840	.00403
#2	.00066	.02828	.87218	15.370	.00291	9.7450	.05171	.00291	58.815	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5867**	**-.00009**	**17.385**	**-.00078**	**.00158**	**3.2257**	**6.9030**	**.00230**	**.19153**	**.00057**
Stddev	.0038	.00024	.050	.00033	.00206	.0116	.0247	.00040	.00287	.00139
%RSD	.10662	266.27	.28562	42.212	130.00	.35834	.35834	17.513	1.4965	242.72
#1	3.5840	.00008	17.350	-.00101	.00013	3.2339	6.9205	.00259	.19356	.00155
#2	3.5894	-.00026	17.420	-.00055	.00304	3.2175	6.8855	.00202	.18950	-.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**-.00036**	**.04124**	**-.00020**	**.05083**	**.00738**
Stddev	.00003	.00107	.01539	.00009	.00010	.00122
%RSD	.38753	292.97	37.327	47.801	.18825	16.518
#1	.00710	.00039	.03036	-.00026	.05076	.00651
#2	.00706	-.00112	.05213	-.00013	.05090	.00824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6772.0**	**100910.**	**4988.9**
Stddev	5.2	461.	41.7
%RSD	.07640	.45702	.83495
#1	6768.3	101240.	4959.4
#2	6775.6	100580.	5018.3

Sample Name: 280-49229-e-1-c Acquired: 11/16/2013 10:34:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.00309**	**.01542**	**5.0698**	**.02289**	**.00006**	**-.00174**	**78.215**	**.00103**	**-.00063**
Stddev	.00024	.00010	.00059	.0037	.00001	.00000	.00133	.392	.00017	.00000
%RSD	58.204	3.3435	3.8462	.07354	.02530	6.5170	76.640	.50155	16.333	.18973
#1	-.00057	.00316	.01584	5.0725	.02289	.00006	-.00080	77.938	.00091	-.00063
#2	-.00024	.00302	.01501	5.0672	.02290	.00006	-.00268	78.492	.00115	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00616**	**.05747**	**85.911**	**.43317**	**84.968**	**.00105**	**.25586**	W **504.40**	**.00492**
Stddev	.00008	.00046	.00190	.339	.00237	.071	.00003	.00047	2.57	.00015
%RSD	36.138	7.4319	3.3102	.39474	.54703	.08414	2.5022	.18539	.50878	3.0045
#1	.00016	.00648	.05881	85.671	.43150	85.019	.00107	.25620	502.58	.00482
#2	.00028	.00583	.05612	86.151	.43485	84.918	.00103	.25553	506.21	.00503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03368**	**-.00010**	F **394.80**	**-.00047**	**.00864**	**6.9000**	**14.766**	**-.00033**	W **5.6163**	**-.00168**
Stddev	.00429	.00039	.36	.00192	.00111	.0614	.131	.00066	.0265	.00028
%RSD	12.730	390.17	.09042	410.99	12.802	.88989	.88989	197.50	.47188	16.441
#1	.03065	-.00037	395.06	-.00183	.00942	6.8566	14.673	-.00080	5.5976	-.00187
#2	.03672	.00018	394.55	.00089	.00785	6.9435	14.859	.00013	5.6351	-.00148
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00064**	**.03707**	**.00229**	**.00841**	**.00362**
Stddev	.00000	.00072	.01771	.00067	.00039	.00049
%RSD	.78367	112.70	47.781	29.054	4.6367	13.407
#1	-.00056	.00013	.02454	.00277	.00813	.00397
#2	-.00055	.00115	.04959	.00182	.00869	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6438.6**	**93617.**	**4972.9**
Stddev	8.4	10.	3.5
%RSD	.12969	.01101	.06943
#1	6432.7	93609.	4970.4
#2	6444.5	93624.	4975.3

Sample Name: 280-49249-a-1-a Acquired: 11/16/2013 10:37:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.16524**	**-.00250**	**.17421**	**.07694**	**-.00001**	**-.00432**	**79.640**	**.00075**	**-.00037**
Stddev	.00017	.00114	.00064	.00215	.00033	.00004	.00051	.664	.00028	.00031
%RSD	31.978	.68890	25.774	1.2325	.43164	374.43	11.814	.83373	36.708	83.753
#1	-.00041	.16604	-.00296	.17573	.07718	.00002	-.00468	79.170	.00095	-.00015
#2	-.00065	.16443	-.00204	.17270	.07671	-.00004	-.00396	80.109	.00056	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00125**	**.20652**	**5.1916**	**.04636**	**21.189**	**.03045**	**.00496**	**99.737**	**.00188**
Stddev	.00001	.00004	.00211	.0639	.00138	.059	.00005	.00018	.132	.00007
%RSD	3.4163	3.1893	1.0210	1.2298	2.9768	.27619	.15230	3.6917	.13198	3.7445
#1	.00038	.00128	.20503	5.2367	.04538	21.147	.03048	.00483	99.830	.00183
#2	.00040	.00122	.20801	5.1464	.04734	21.230	.03042	.00509	99.644	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06652**	**.00027**	**71.312**	**.00117**	**.00291**	**5.2014**	**11.131**	**.00027**	**.80122**	**-.00033**
Stddev	.00133	.00107	.107	.00345	.00110	.0106	.023	.00028	.00758	.00379
%RSD	2.0036	401.48	.15052	294.58	37.868	.20367	.20367	105.20	.94611	1143.6
#1	.06558	.00102	71.387	-.00127	.00370	5.1939	11.115	.00046	.79586	.00235
#2	.06747	-.00049	71.236	.00361	.00213	5.2089	11.147	.00007	.80658	-.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**-.00093**	**.03204**	**.00085**	**.00642**	**.00524**
Stddev	.00034	.00039	.02603	.00013	.00010	.00100
%RSD	14.592	41.420	81.243	15.387	1.5373	19.081
#1	.00206	-.00121	.01363	.00076	.00635	.00453
#2	.00253	-.00066	.05044	.00095	.00649	.00594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6681.7**	**98995.**	**4990.8**
Stddev	22.1	33.	58.5
%RSD	.33069	.03331	1.1724
#1	6666.0	99018.	5032.2
#2	6697.3	98972.	4949.4

Sample Name: 280-49250-a-1-a Acquired: 11/16/2013 10:39:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201153 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.25369**	**-.00078**	**.02680**	**.02143**	**-.00004**	**-.00093**	**13.884**	**.00073**	**-.00011**
Stddev	.00028	.00054	.00148	.00008	.00019	.00002	.00133	.079	.00003	.00002
%RSD	717.25	.21439	190.16	.30873	.87055	56.087	142.93	.57090	4.1229	17.196
#1	.00024	.25408	.00027	.02674	.02156	-.00005	.00001	13.940	.00070	-.00009
#2	-.00016	.25331	-.00183	.02686	.02129	-.00002	-.00188	13.828	.00075	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**.34360**	**.32726**	**2.4724**	**.00731**	**3.1132**	**.01103**	**.00540**	**165.13**	**.01609**
Stddev	.00004	.00007	.00209	.0083	.00014	.0056	.00005	.00013	.57	.00014
%RSD	1.0314	.01959	.63901	.33585	1.8596	.18097	.43899	2.3801	.34707	.86633
#1	.00423	.34355	.32578	2.4666	.00721	3.1092	.01107	.00549	165.54	.01619
#2	.00417	.34365	.32874	2.4783	.00740	3.1172	.01100	.00531	164.73	.01599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2797**	**.00604**	**11.005**	**-.00093**	**.00184**	**1.9889**	**4.2562**	**.01015**	**.09969**	**.00018**
Stddev	.0007	.00084	.007	.00010	.00170	.0199	.0427	.00030	.00001	.00100
%RSD	.02910	13.943	.06778	10.289	92.599	1.0026	1.0026	2.9898	.00777	555.73
#1	2.2792	.00544	11.010	-.00099	.00064	2.0030	4.2863	.00994	.09969	.00089
#2	2.2802	.00663	10.999	-.00086	.00304	1.9748	4.2260	.01037	.09970	-.00053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**-.00035**	**.01291**	**.00016**	**.07302**	**.00559**
Stddev	.00007	.00017	.01554	.00036	.00039	.00013
%RSD	2.3314	49.120	120.41	227.90	.52859	2.3265
#1	.00315	-.00023	.00192	-.00010	.07329	.00549
#2	.00326	-.00047	.02390	.00041	.07275	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6766.5**	**99805.**	**5057.2**
Stddev	22.4	156.	12.9
%RSD	.33154	.15660	.25549
#1	6750.6	99694.	5048.1
#2	6782.3	99915.	5066.4

Sample Name: CCVH-2382126 Acquired: 11/16/2013 10:41:59 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00850**	**49.512**	**.00101**	**.00453**	**.00088**	**-.00001**	W **1.0832**	**.00452**	**.00101**	**-.00069**	**.00028**	**.02125**
Stddev	.00057	.154	.00207	.00050	.00008	.00006	.0017	.00120	.00004	.00009	.00000	.00013
%RSD	6.6923	.31084	205.09	11.023	9.3857	583.92	.15853	26.606	3.8243	12.620	1.1669	.59556
#1	-.00890	49.621	.00247	.00489	.00082	.00003	1.0820	.00367	.00103	-.00063	.00029	.02116
#2	-.00810	49.403	-.00045	.00418	.00093	-.00005	1.0844	.00537	.00098	-.00075	.00028	.02134
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.633**	**.05546**	**-.00020**	**.08025**	**.00113**	**.00046**	F **308.51**	**-.00082**	**.00945**	**.00259**	**5.1224**	**-.00378**
Stddev	.019	.01808	.00036	.00048	.00003	.00017	.95	.00044	.00200	.00250	.0220	.00058
%RSD	.03953	32.603	182.91	.60238	2.8100	37.534	.30816	53.717	21.109	96.620	.42857	15.319
#1	47.619	.06825	-.00045	.07991	.00115	.00034	309.18	-.00051	.00804	.00082	5.1068	-.00337
#2	47.646	.04267	.00006	.08059	.00111	.00059	307.84	-.00113	.01086	.00436	5.1379	-.00419
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00530**	**.00511**	**.01093**	**.00090**	**.00033**	W **4.6805**	**.01721**	**.00136**	F **11.581**	**.00339**	**.00155**	**-.07921**
Stddev	.00354	.01367	.02926	.00012	.00004	.0077	.00031	.00204	.039	.00032	.00003	.00002
%RSD	66.875	267.76	267.76	13.532	13.378	.16367	1.7839	149.92	.33544	9.5764	1.8043	.02481
#1	-.00279	-.00456	-.00976	.00099	.00030	4.6750	.01699	-.00008	11.554	.00316	.00157	-.07919
#2	-.00780	.01478	.03162	.00082	.00037	4.6859	.01743	.00280	11.609	.00362	.00153	-.07922
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6784.8**	**99319.**	**5014.9**
Stddev	24.6	10.	50.1
%RSD	.36320	.01033	.99870
#1	6802.3	99312.	4979.4
#2	6767.4	99326.	5050.3

Sample Name: CCV-2372889 Acquired: 11/16/2013 10:44:22 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49626**	**.52200**	**1.0470**	**.53835**	**.53444**	**.49431**	**-.01109**	**4.9573**	**.51034**	**.51149**	**.52491**	**.51073**	**2.4255**
Stddev	.00090	.00468	.0043	.00115	.00448	.00195	.00137	.0101	.00044	.00040	.00003	.00163	.0049
%RSD	.18218	.89640	.40974	.21354	.83820	.39400	12.345	.20308	.08530	.07889	.00551	.31833	.20120
#1	.49562	.52531	1.0500	.53917	.53127	.49294	-.01205	4.9645	.51003	.51178	.52493	.50958	2.4290
#2	.49690	.51869	1.0440	.53754	.53761	.49569	-.01012	4.9502	.51065	.51121	.52489	.51188	2.4221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **61.357**	F **1.1617**	**18.795**	**.49576**	**.52039**	F **5.8253**	**.53272**	**1.0417**	**1.0819**	**.07682**	**1.0494**	**1.0747**	**4.7851**
Stddev	.349	.0090	.034	.00052	.00028	.0183	.00156	.0072	.0043	.02433	.0044	.0001	.0016
%RSD	.56854	.77452	.17868	.10540	.05405	.31383	.29361	.69365	.39289	31.676	.41828	.01158	.03387
#1	61.110	1.1554	18.771	.49539	.52019	5.8124	.53162	1.0366	1.0789	.05961	1.0463	1.0746	4.7839
#2	61.604	1.1681	18.819	.49613	.52059	5.8382	.53383	1.0469	1.0849	.09403	1.0525	1.0748	4.7862
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.240**	**1.0348**	**.50824**	**.00901**	**.46680**	**1.0382**	**.00490**	**.48706**	**.46518**	**.48523**
Stddev	.003	.0024	.00363	.00027	.00064	.0050	.00988	.00086	.00192	.00028
%RSD	.03387	.23226	.71431	3.0110	.13768	.47997	201.57	.17745	.41187	.05810
#1	10.238	1.0331	.50567	.00921	.46634	1.0347	-.00209	.48645	.46383	.48543
#2	10.243	1.0365	.51081	.00882	.46725	1.0417	.01189	.48767	.46654	.48504
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6836.6**	**101010.**	**4915.0**
Stddev	5.8	199.	32.1
%RSD	.08507	.19670	.65293
#1	6832.5	101150.	4937.7
#2	6840.7	100870.	4892.3

Sample Name: CCB Acquired: 11/16/2013 10:46:31 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00028**	**.00056**	**.00236**	**.00013**	**.00012**	**-.00270**	**-.00177**	**.00017**	**-.00011**	**.00015**
Stddev	.00008	.00020	.00192	.00044	.00009	.00002	.00127	.00260	.00013	.00016	.00005
%RSD	24.225	69.810	342.79	18.785	69.930	12.598	47.229	147.07	79.827	140.25	35.166
#1	-.00040	.00014	-.00080	.00268	.00007	.00013	-.00180	.00007	.00026	.00000	.00019
#2	-.00028	.00042	.00192	.00205	.00019	.00011	-.00360	-.00361	.00007	-.00023	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00153**	**-.00016**	**.03163**	**.00114**	**-.00137**	**.00000**	**.00176**	**.05849**	**.00015**	**.00224**	**.00053**
Stddev	.00026	.00389	.01826	.00133	.00205	.00006	.00055	.00627	.00022	.00104	.00008
%RSD	16.908	2477.8	57.726	115.78	149.58	1461.3	31.440	10.712	146.05	46.494	14.812
#1	-.00135	.00259	.04454	.00021	-.00283	-.00004	.00137	.06292	.00031	.00150	.00058
#2	-.00171	-.00291	.01872	.00208	.00008	.00005	.00215	.05406	.00000	.00298	.00047
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02919**	W **.00406**	**.00176**	**-.00575**	**-.01231**	**.00070**	**-.00004**	**.00168**	**.00012**	**.00019**	**.02750**
Stddev	.00036	.00017	.00352	.00964	.02062	.00065	.00011	.00070	.00007	.00028	.01108
%RSD	1.2291	4.2507	199.78	167.50	167.50	91.939	326.01	41.816	58.692	142.98	40.300
#1	.02944	.00394	.00425	-.01257	-.02690	.00116	-.00012	.00217	.00007	.00000	.01967
#2	.02893	.00418	-.00073	.00106	.00227	.00025	.00005	.00118	.00017	.00039	.03534
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00081**	**.00278**	F **.00489**
Stddev	.00003	.00020	.00305
%RSD	3.7209	7.2467	62.313
#1	-.00083	.00264	.00704
#2	-.00079	.00293	.00273
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6888.1**	**103250.**	**4954.3**
Stddev	22.6	256.	2.2
%RSD	.32880	.24758	.04393
#1	6904.1	103070.	4952.7
#2	6872.1	103430.	4955.8

Sample Name: CCVL2383195 Acquired: 11/16/2013 10:48:51 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00959**	**.10636**	**.01396**	**.10851**	**.01060**	**.00096**	**.12293**	**.20450**	**.00529**	**.01034**	**.01054**	**.01402**	**.10665**	**3.6187**
Stddev	.00076	.00010	.00156	.00014	.00020	.00000	.00187	.00309	.00003	.00026	.00007	.00028	.00117	.0381
%RSD	7.9490	.09118	11.162	.12651	1.8625	.45920	1.5230	1.5122	.52104	2.4941	.67875	1.9886	1.0943	1.0540
#1	.01013	.10630	.01286	.10861	.01074	.00096	.12160	.20232	.00531	.01016	.01048	.01382	.10582	3.6456
#2	.00905	.10643	.01506	.10842	.01046	.00095	.12425	.20669	.00527	.01052	.01059	.01421	.10747	3.5917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01126**	**.19296**	**.01000**	**.02032**	**1.1712**	**.04326**	**3.0499**	**.01073**	**.02305**	**.00840**	**.01674**	**.45263**	**.96862**	**.10941**
Stddev	.00054	.00014	.00004	.00001	.0209	.00007	.0018	.00025	.00016	.00100	.00027	.00686	.01468	.00007
%RSD	4.7771	.07392	.36406	.05157	1.7833	.15760	.05891	2.3330	.69220	11.853	1.6379	1.5155	1.5155	.06069
#1	.01164	.19286	.00998	.02031	1.1565	.04331	3.0487	.01091	.02316	.00911	.01694	.45748	.97900	.10937
#2	.01088	.19306	.01003	.02032	1.1860	.04321	3.0512	.01055	.02294	.00770	.01655	.44778	.95824	.10946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.01337**	**.00899**	**.01564**	**.07614**	**.00851**	**.02240**	**.01707**
Stddev	.00007	.00024	.00039	.00074	.00771	.00031	.00010	.00027
%RSD	.68645	1.8032	4.3739	4.7458	10.123	3.6380	.42538	1.6090
#1	.00989	.01354	.00872	.01511	.08159	.00872	.02247	.01726
#2	.00980	.01320	.00927	.01616	.07069	.00829	.02234	.01687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7006.0**	**105840.**	**4973.3**
Stddev	8.9	313.	49.1
%RSD	.12747	.29593	.98682
#1	7012.3	105620.	4938.6
#2	6999.7	106060.	5008.0

Sample Name: mb 280-201009/1-a Acquired: 11/16/2013 10:51:12 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00212**	**-.00104**	**.00170**	**.00034**	**-.00005**	**-.00079**	**.00478**	**.00013**	**-.00005**
Stddev	.00062	.00032	.00129	.00046	.00010	.00004	.00086	.00316	.00002	.00017
%RSD	731.16	15.312	123.81	27.069	29.709	76.901	109.05	65.995	18.015	376.02
#1	.00035	.00235	-.00013	.00203	.00041	-.00007	-.00140	.00701	.00015	-.00017
#2	-.00052	.00189	-.00195	.00138	.00027	-.00002	-.00018	.00255	.00012	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00141**	W **.05512**	**-.01128**	**.00177**	**.00469**	**.00033**	**.00012**	**.06185**	**-.00015**
Stddev	.00001	.00011	.00141	.04912	.00121	.00199	.00001	.00015	.00942	.00002
%RSD	18.435	7.9450	2.5608	435.40	68.467	42.344	3.6805	132.72	15.228	11.336
#1	.00008	-.00133	.05412	-.04602	.00091	.00329	.00032	.00001	.05519	-.00014
#2	.00006	-.00148	.05611	.02345	.00262	.00610	.00033	.00022	.06851	-.00017
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00326**	**.00053**	**.02508**	**-.00005**	**.00106**	**-.01814**	**-.03882**	**-.00008**	**-.00005**	**.00116**
Stddev	.00184	.00032	.00089	.00179	.00016	.00750	.01605	.00015	.00009	.00126
%RSD	56.401	60.253	3.5653	3378.8	15.344	41.355	41.355	195.97	166.65	108.26
#1	.00196	.00030	.02571	.00121	.00094	-.02344	-.05017	.00003	-.00012	.00205
#2	.00456	.00075	.02445	-.00132	.00117	-.01283	-.02747	-.00018	.00001	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00135**	**.01403**	**-.00080**	**.00374**	**.00367**
Stddev	.00004	.00109	.02972	.00018	.00025	.00271
%RSD	24.171	80.844	211.90	22.737	6.6874	73.851
#1	-.00014	-.00212	-.00699	-.00093	.00356	.00176
#2	-.00020	-.00058	.03505	-.00067	.00392	.00559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.8**	**105240.**	**4989.5**
Stddev	.9	427.	43.4
%RSD	.01343	.40612	.86980
#1	6951.5	104940.	5020.2
#2	6950.2	105540.	4958.8

Sample Name: lcs 280-201009/2-a Acquired: 11/16/2013 10:53:31 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04816**	**1.9526**	**1.0887**	**1.0810**	**2.1311**	**.04951**	**2.2461**	**48.098**	**.10249**	**.49946**
Stddev	.00024	.0004	.0060	.0069	.0026	.00009	.0185	.079	.00066	.00065
%RSD	.49512	.02016	.55396	.63489	.12058	.18582	.82407	.16487	.64572	.12997
#1	.04833	1.9523	1.0930	1.0859	2.1293	.04945	2.2592	48.154	.10296	.49992
#2	.04800	1.9529	1.0844	1.0762	2.1329	.04958	2.2330	48.042	.10203	.49900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21259**	**.26280**	**1.0272**	F **62.658**	F **1.1718**	**47.078**	**.49342**	**1.0461**	F **64.427**	**.52071**
Stddev	.00137	.00027	.0009	.010	.0009	.167	.00021	.0045	.058	.00003
%RSD	.64638	.10457	.08599	.01605	.07793	.35539	.04313	.43115	.08949	.00490
#1	.21356	.26261	1.0278	62.665	1.1711	46.960	.49357	1.0493	64.387	.52073
#2	.21162	.26300	1.0266	62.651	1.1724	47.197	.49327	1.0429	64.468	.52069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.625**	**.53766**	**.01886**	**.52502**	**2.1978**	**9.7102**	**20.780**	**2.0606**	**1.0108**	**.93349**
Stddev	.046	.00249	.00008	.00132	.0173	.0450	.096	.0119	.0006	.00113
%RSD	.43748	.46391	.44828	.25130	.78566	.46360	.46360	.57724	.06209	.12139
#1	10.658	.53942	.01892	.52596	2.2100	9.7420	20.848	2.0690	1.0113	.93430
#2	10.592	.53589	.01880	.52409	2.1856	9.6783	20.712	2.0521	1.0104	.93269
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94408**	**1.9911**	F **2.4008**	**.49163**	**.45460**	**.46940**
Stddev	.00088	.0149	.0025	.00093	.00290	.00050
%RSD	.09340	.74738	.10452	.18886	.63719	.10706
#1	.94345	2.0017	2.4026	.49228	.45255	.46976
#2	.94470	1.9806	2.3990	.49097	.45665	.46905
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6660.3**	**98830.**	**4938.0**
Stddev	.8	24.	43.7
%RSD	.01240	.02467	.88510
#1	6660.9	98813.	4907.0
#2	6659.8	98847.	4968.9

Sample Name: lcsd 280-201009/3-a Acquired: 11/16/2013 10:55:38 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04742**	**1.9443**	**1.0905**	**1.0884**	**2.1185**	**.04929**	**2.2383**	**47.728**	**.10177**	**.49753**
Stddev	.00053	.0062	.0022	.0060	.0021	.00003	.0065	.031	.00034	.00007
%RSD	1.1149	.32000	.20132	.55399	.09872	.06875	.29066	.06547	.33557	.01311
#1	.04780	1.9487	1.0921	1.0926	2.1200	.04931	2.2429	47.706	.10201	.49748
#2	.04705	1.9399	1.0890	1.0841	2.1170	.04926	2.2337	47.750	.10153	.49758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21186**	**.26168**	**1.0197**	F **62.121**	F **1.1646**	**46.919**	**.49115**	**1.0554**	F **63.202**	**.52120**
Stddev	.00149	.00117	.0034	.114	.0017	.106	.00114	.0006	.326	.00353
%RSD	.70524	.44767	.33871	.18385	.14641	.22560	.23128	.05469	.51541	.67770
#1	.21292	.26251	1.0222	62.041	1.1658	46.844	.49035	1.0550	63.433	.52370
#2	.21080	.26085	1.0173	62.202	1.1634	46.994	.49195	1.0558	62.972	.51870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.622**	**.53528**	**.01956**	**.52876**	**2.2042**	**9.7015**	**20.761**	**2.0770**	**1.0062**	**.93125**
Stddev	.006	.00633	.00057	.00031	.0024	.1210	.259	.0010	.0012	.00263
%RSD	.05633	1.1827	2.8914	.05909	.10990	1.2469	1.2469	.04607	.12282	.28279
#1	10.618	.53975	.01916	.52854	2.2025	9.6159	20.578	2.0763	1.0071	.93312
#2	10.626	.53080	.01996	.52898	2.2060	9.7870	20.944	2.0777	1.0053	.92939
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94904**	**1.9873**	F **2.3997**	**.49089**	**.45291**	**.46766**
Stddev	.00086	.0025	.0224	.00087	.00196	.00284
%RSD	.09056	.12618	.93468	.17648	.43170	.60639
#1	.94843	1.9891	2.4155	.49151	.45153	.46565
#2	.94965	1.9855	2.3838	.49028	.45429	.46966
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6661.8**	**98778.**	**4981.3**
Stddev	11.4	174.	1.3
%RSD	.17177	.17569	.02623
#1	6653.7	98901.	4980.3
#2	6669.9	98656.	4982.2

Sample Name: 280-49179-a-2-a Acquired: 11/16/2013 10:57:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.01396**	**-.00085**	**.35371**	**.13085**	**-.00001**	**-.00464**	**89.378**	**.00058**	**.00018**
Stddev	.00033	.00014	.00066	.00122	.00034	.00010	.00425	.900	.00015	.00024
%RSD	350.21	1.0331	76.880	.34352	.25981	1635.5	91.506	1.0070	26.740	129.28
#1	-.00032	.01407	-.00132	.35285	.13061	-.00008	-.00164	90.014	.00069	.00002
#2	.00014	.01386	-.00039	.35457	.13109	.00007	-.00765	88.742	.00047	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00215**	**.08406**	**9.7645**	**.03597**	**17.478**	**.36278**	**.00988**	**132.52**	**.00264**
Stddev	.00002	.00025	.00203	.0021	.00198	.034	.00002	.00081	1.25	.00010
%RSD	3.1601	11.752	2.4178	.02181	5.4999	.19466	.00665	8.2332	.94107	3.7577
#1	.00057	.00197	.08550	9.7660	.03737	17.454	.36280	.00931	133.40	.00257
#2	.00059	.00233	.08262	9.7630	.03457	17.502	.36277	.01046	131.64	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14652**	**-.00043**	**50.180**	**.00002**	**.00604**	**7.0522**	**15.092**	**.00100**	**.69845**	**.00159**
Stddev	.00023	.00099	.078	.00030	.00285	.0353	.075	.00023	.00570	.00005
%RSD	.15879	230.85	.15446	1898.9	47.123	.50015	.50015	22.726	.81601	3.3731
#1	.14669	.00027	50.125	-.00020	.00403	7.0273	15.038	.00084	.70248	.00155
#2	.14636	-.00113	50.235	.00023	.00805	7.0772	15.145	.00116	.69442	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00016**	**.02206**	**.00120**	**.00734**	**.00399**
Stddev	.00017	.00024	.00247	.00021	.00012	.00126
%RSD	32.723	147.20	11.202	17.642	1.6915	31.470
#1	.00041	.00034	.02381	.00105	.00726	.00310
#2	.00066	-.00001	.02031	.00134	.00743	.00488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6554.7**	**98072.**	**4920.7**
Stddev	6.2	74.	78.6
%RSD	.09406	.07590	1.5967
#1	6550.4	98125.	4865.2
#2	6559.1	98019.	4976.3

Sample Name: 280-49179-a-2-aSD@5 Acquired: 11/16/2013 11:00:05 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00712**	**-.00155**	**.07277**	**.02633**	**-.00007**	**-.00079**	**18.104**	**.00021**	**.00000**
Stddev	.00002	.00014	.00146	.00013	.00001	.00004	.00018	.074	.00013	.0003
%RSD	16.593	2.0344	93.935	.17908	.04982	55.117	23.255	.40731	60.953	6683.7
#1	-.00011	.00702	-.00052	.07267	.02632	-.00009	-.00066	18.052	.00012	-.00023
#2	-.00014	.00722	-.00258	.07286	.02634	-.00004	-.00092	18.156	.00030	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00066**	**.02649**	**1.9121**	**.00717**	**3.5703**	**.07359**	**.00170**	**26.594**	**.00042**
Stddev	.00009	.00004	.00198	.0182	.00054	.0029	.00016	.00003	.029	.00019
%RSD	63.545	5.5480	7.4903	.95336	7.5956	.07978	.21393	1.6423	.10900	44.736
#1	.00008	-.00069	.02790	1.9250	.00678	3.5683	.07348	.00168	26.574	.00029
#2	.00020	-.00063	.02509	1.8992	.00755	3.5724	.07370	.00172	26.615	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02827**	**.00040**	**9.8191**	**-.00160**	**.00208**	**1.4143**	**3.0265**	**.00161**	**.13979**	**.00130**
Stddev	.00235	.00005	.0012	.00044	.00021	.0059	.0126	.00009	.00076	.00099
%RSD	8.3028	11.220	.01267	27.171	9.9711	.41505	.41505	5.7700	.54512	76.485
#1	.02661	.00043	9.8200	-.00191	.00193	1.4184	3.0354	.00168	.13925	.00060
#2	.02993	.00037	9.8182	-.00129	.00223	1.4101	3.0176	.00155	.14033	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00026**	**.02473**	**-.00044**	**.00633**	**.00403**
Stddev	.00014	.00095	.02080	.00012	.00036	.00244
%RSD	52.191	359.16	84.108	28.102	5.6408	60.575
#1	-.00037	.00093	.03944	-.00035	.00608	.00576
#2	-.00017	-.00041	.01002	-.00052	.00658	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6803.1**	**103270.**	**4950.8**
Stddev	15.0	88.	5.6
%RSD	.22080	.08540	.11227
#1	6792.5	103330.	4954.8
#2	6813.7	103210.	4946.9

Sample Name: 280-49179-a-2-b ms Acquired: 11/16/2013 11:02:27 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04818**	**1.9125**	**1.1083**	**1.4161**	**2.2662**	**.04953**	F **2.1957**	**137.85**	**.10133**	**.48935**
Stddev	.00002	.0026	.0044	.0009	.0036	.00026	.0059	.46	.00016	.00064
%RSD	.04145	.13343	.39395	.06079	.15763	.52367	.26787	.33385	.15923	.13171
#1	.04820	1.9143	1.1052	1.4155	2.2687	.04934	2.1998	137.53	.10121	.48980
#2	.04817	1.9107	1.1114	1.4167	2.2637	.04971	2.1915	138.18	.10144	.48889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21066**	**.26257**	**1.0373**	**74.278**	**1.2255**	**63.126**	**.84573**	**1.0482**	**197.62**	**.51499**
Stddev	.00015	.00000	.0003	.106	.0037	.112	.00094	.0001	.13	.00030
%RSD	.06948	.00012	.02796	.14297	.30581	.17779	.11087	.00862	.06567	.05842
#1	.21055	.26257	1.0371	74.203	1.2281	63.205	.84507	1.0481	197.52	.51521
#2	.21076	.26258	1.0375	74.353	1.2228	63.046	.84639	1.0483	197.71	.51478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.027**	**.52102**	**50.445**	**.52346**	**2.2239**	**16.732**	**35.807**	W **2.0255**	**1.7126**	**.91508**
Stddev	.004	.00120	.049	.00261	.0014	.153	.328	.0008	.0025	.00237
%RSD	.03704	.23068	.09790	.49890	.06458	.91732	.91732	.04035	.14854	.25856
#1	11.030	.52187	50.480	.52530	2.2249	16.624	35.575	2.0249	1.7144	.91676
#2	11.024	.52017	50.410	.52161	2.2229	16.841	36.040	2.0261	1.7108	.91341
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93004**	**1.8596**	**2.3646**	**.48942**	**.44977**	**.46548**
Stddev	.00113	.0002	.0006	.00004	.00151	.00462
%RSD	.12178	.01237	.02411	.00912	.33509	.99299
#1	.92924	1.8595	2.3642	.48939	.45084	.46221
#2	.93084	1.8598	2.3650	.48946	.44871	.46874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6446.7**	**96521.**	**4851.4**
Stddev	2.6	195.	13.0
%RSD	.03991	.20217	.26753
#1	6444.9	96659.	4860.6
#2	6448.6	96383.	4842.2

Sample Name: 280-49179-a-2-c msd Acquired: 11/16/2013 11:04:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04889**	**1.9198**	**1.1038**	**1.4262**	**2.2629**	**.04956**	F **2.1865**	**137.72**	**.10141**	**.49046**
Stddev	.00010	.0054	.0005	.0004	.0261	.00049	.0015	1.90	.00007	.00036
%RSD	.21477	.28186	.04897	.02817	1.1542	.99472	.07034	1.3791	.06714	.07263
#1	.04881	1.9160	1.1034	1.4265	2.2814	.04991	2.1876	139.06	.10137	.49021
#2	.04896	1.9236	1.1041	1.4259	2.2445	.04921	2.1854	136.38	.10146	.49071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21068**	**.26245**	**1.0537**	**73.973**	**1.2275**	**63.672**	**.85401**	**1.0634**	**197.09**	**.51430**
Stddev	.00066	.00049	.0064	.836	.0159	.115	.00034	.0015	2.17	.00075
%RSD	.31328	.18491	.60951	1.1295	1.2995	.18117	.03924	.14252	1.1036	.14562
#1	.21022	.26211	1.0583	74.563	1.2388	63.590	.85424	1.0624	198.62	.51377
#2	.21115	.26279	1.0492	73.382	1.2162	63.753	.85377	1.0645	195.55	.51483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.997**	**.52042**	**50.601**	**.52622**	**2.2087**	**16.948**	**36.270**	W **2.0513**	**1.7140**	**.92281**
Stddev	.001	.00098	.013	.00160	.0072	.042	.090	.0056	.0178	.00175
%RSD	.01076	.18773	.02581	.30412	.32700	.24748	.24748	.27391	1.0377	.18932
#1	10.996	.52111	50.592	.52508	2.2138	16.978	36.333	2.0473	1.7266	.92405
#2	10.998	.51973	50.611	.52735	2.2036	16.919	36.206	2.0553	1.7014	.92158
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94371**	**1.8678**	**2.3609**	**.49005**	**.45281**	**.47083**
Stddev	.00214	.0058	.0522	.00004	.00009	.00522
%RSD	.22695	.31042	2.2098	.00838	.01880	1.1079
#1	.94522	1.8637	2.3978	.49007	.45287	.47452
#2	.94220	1.8719	2.3240	.49002	.45275	.46714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6438.2**	**95808.**	**4869.0**
Stddev	9.9	300.	21.4
%RSD	.15332	.31275	.43975
#1	6445.2	96020.	4853.8
#2	6431.3	95596.	4884.1

Sample Name: CCVH-2382126 Acquired: 11/16/2013 11:06:41 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00897**	**49.778**	**.00064**	**.00574**	**.00125**	**-.00004**	W **1.0759**	**.01728**	**.00096**	**-.00055**	**.00019**	**.02117**
Stddev	.00040	.804	.00340	.00032	.00043	.00003	.0019	.00361	.00008	.00015	.00001	.00060
%RSD	4.4306	1.6160	528.61	5.5223	34.286	71.206	.17193	20.909	8.4605	27.855	3.9767	2.8289
#1	-.00925	50.346	.00305	.00596	.00095	-.00002	1.0746	.01984	.00102	-.00044	.00019	.02159
#2	-.00869	49.209	-.00176	.00551	.00155	-.00006	1.0772	.01473	.00090	-.00065	.00018	.02074
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.526**	**.06727**	**.00146**	**.07835**	**.00109**	**.00420**	F **310.93**	**-.00090**	**.00629**	**.00248**	**5.0976**	**-.00336**
Stddev	.032	.01855	.00070	.00108	.00007	.00074	4.14	.00015	.00037	.00006	.0034	.00072
%RSD	.06709	27.568	47.666	1.3787	6.4018	17.540	1.3325	16.355	5.8255	2.3933	.06772	21.317
#1	47.504	.05416	.00195	.07759	.00114	.00368	313.86	-.00100	.00603	.00244	5.0952	-.00285
#2	47.549	.08038	.00097	.07912	.00104	.00472	308.00	-.00079	.00654	.00252	5.1001	-.00386
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**.00609**	**.01303**	**.00153**	**.00040**	W **4.5979**	**.01852**	**.00196**	F **11.437**	**.00339**	**.00198**	**-.07612**
Stddev	.00193	.01136	.02432	.00018	.00003	.0142	.00008	.00018	.010	.00080	.00057	.00061
%RSD	100.94	186.65	186.65	11.706	7.6298	.30944	.44928	8.9937	.09159	23.611	28.979	.80468
#1	-.00055	.01412	.03022	.00166	.00042	4.6080	.01846	.00183	11.445	.00282	.00239	-.07656
#2	-.00328	-.00195	-.00417	.00140	.00038	4.5878	.01858	.00208	11.430	.00396	.00157	-.07569
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6697.9**	**98571.**	**4909.7**
Stddev	39.4	470.	66.0
%RSD	.58774	.47729	1.3446
#1	6725.7	98239.	4863.0
#2	6670.0	98904.	4956.4

Sample Name: CCV-2372889 Acquired: 11/16/2013 11:09:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49419**	**.52408**	**1.0608**	**.54421**	**.53450**	**.49897**	**-.00984**	**5.0066**	**.50753**	**.51336**	**.53070**	**.50920**	**2.4323**
Stddev	.00120	.00218	.0012	.00001	.00604	.00588	.00154	.0470	.00029	.00072	.00045	.00115	.0075
%RSD	.24305	.41516	.11535	.00116	1.1303	1.1781	15.700	.93930	.05803	.13948	.08548	.22616	.30745
#1	.49334	.52561	1.0617	.54421	.53878	.50312	-.01093	5.0399	.50774	.51387	.53102	.50839	2.4376
#2	.49504	.52254	1.0600	.54422	.53023	.49481	-.00874	4.9734	.50732	.51285	.53037	.51002	2.4270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **62.378**	F **1.1608**	**18.708**	**.49819**	**.52350**	F **5.7442**	**.53868**	**1.0425**	**1.0972**	**.02297**	**1.0504**	**1.0841**	**4.8180**
Stddev	.701	.0081	.002	.00119	.00093	.0979	.00074	.0030	.0004	.00304	.0045	.0036	.0316
%RSD	1.1242	.69459	.01323	.23911	.17858	1.7048	.13742	.28776	.03844	13.236	.42374	.33124	.65573
#1	62.874	1.1665	18.710	.49904	.52284	5.8135	.53816	1.0404	1.0969	.02512	1.0473	1.0816	4.8403
#2	61.882	1.1551	18.706	.49735	.52417	5.6750	.53921	1.0446	1.0975	.02082	1.0536	1.0867	4.7957
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.311**	**1.0409**	**.50754**	**.00750**	**.46293**	**1.0324**	**.01098**	**.48626**	**.46137**	**.48211**
Stddev	.068	.0013	.00520	.00110	.00046	.0014	.01166	.00091	.00113	.00340
%RSD	.65573	.11983	1.0240	14.659	.10026	.13876	106.17	.18782	.24501	.70591
#1	10.358	1.0400	.51122	.00672	.46260	1.0314	.00274	.48690	.46217	.48451
#2	10.263	1.0418	.50387	.00828	.46326	1.0334	.01923	.48561	.46057	.47970
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6745.1**	**100940.**	**4758.5**
Stddev	10.9	20.	45.8
%RSD	.16144	.02008	.96315
#1	6752.8	100920.	4726.1
#2	6737.4	100950.	4790.9

Sample Name: CCB Acquired: 11/16/2013 11:11:17 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00046**	**-.00018**	**.00326**	**.00047**	**.00005**	**.00083**	**.00301**	**.00032**	**-.00007**	**-.00001**
Stddev	.00006	.00085	.00130	.00032	.00003	.00008	.00178	.00186	.00018	.00025	.00010
%RSD	81.518	184.92	741.55	9.7611	5.3180	143.29	214.14	61.737	57.269	359.23	897.95
#1	-.00012	-.00014	.00074	.00349	.00046	.00011	-.00043	.00170	.00019	-.00025	-.00008
#2	-.00003	.00106	-.00109	.00304	.00049	.00000	.00209	.00433	.00045	.00011	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00180**	**-.00005**	**.04502**	**.00135**	**.00012**	**.00002**	**.00215**	**.08426**	**-.00006**	**.00181**	**.00112**
Stddev	.00006	.00043	.04018	.00252	.00131	.00003	.00083	.00466	.00003	.00084	.00053
%RSD	3.0878	906.58	89.249	185.89	1134.4	145.74	38.695	5.5285	52.776	46.261	47.235
#1	-.00184	.00025	.07343	-.00043	-.00081	.00004	.00156	.08097	-.00008	.00122	.00150
#2	-.00176	-.00035	.01661	.00314	.00104	.00000	.00274	.08756	-.00004	.00241	.00075
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01983**	**.00169**	**.00403**	**-.00937**	**-.02005**	**.00022**	**-.00006**	**.00224**	**.00002**	**-.00045**	**.00860**
Stddev	.00066	.00086	.00281	.01135	.02428	.00041	.00005	.00084	.00052	.00000	.04577
%RSD	3.3507	50.811	69.755	121.09	121.09	186.30	93.181	37.540	2278.1	.16805	532.43
#1	.01936	.00108	.00204	-.01739	-.03722	-.00007	-.00010	.00284	-.00034	-.00045	.04096
#2	.02030	.00229	.00602	-.00135	-.00288	.00051	-.00002	.00165	.00039	-.00045	-.02377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00061**	**.00315**	W **.00419**
Stddev	.00021	.00018	.00090
%RSD	34.833	5.7107	21.550
#1	-.00076	.00303	.00355
#2	-.00046	.00328	.00483
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6752.0**	**102130.**	**4796.7**
Stddev	3.4	342.	11.2
%RSD	.05030	.33459	.23379
#1	6754.4	102370.	4804.6
#2	6749.6	101890.	4788.8

Sample Name: CCVL2383195 Acquired: 11/16/2013 11:13:37 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00987**	**.10666**	**.01464**	**.10888**	**.01054**	**.00094**	**.12014**	**.19560**	**.00515**	**.01029**	**.01061**	**.01449**	**.09901**
Stddev	.00001	.00028	.00065	.00098	.00027	.00001	.00217	.00096	.00011	.00022	.00003	.00003	.00377
%RSD	.06894	.26057	4.4132	.89552	2.5679	1.0690	1.8064	.49184	2.2117	2.0980	.26618	.21798	3.8050
#1	.00988	.10685	.01509	.10819	.01035	.00093	.11861	.19492	.00507	.01014	.01059	.01446	.10167
#2	.00987	.10646	.01418	.10957	.01073	.00094	.12168	.19628	.00523	.01044	.01063	.01451	.09634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6762**	F **.01300**	**.19279**	**.00998**	**.02048**	**1.1591**	**.04294**	**3.0295**	**.00964**	**.01376**	**.01003**	**.01664**	**.45353**
Stddev	.0242	.00027	.00233	.00006	.00007	.0097	.00057	.0167	.00056	.00142	.00130	.00144	.01051
%RSD	.65795	2.0878	1.2084	.62231	.34903	.84053	1.3178	.55116	5.8205	10.309	12.994	8.6483	2.3181
#1	3.6933	.01281	.19444	.01003	.02043	1.1659	.04254	3.0177	.01004	.01477	.00910	.01765	.44610
#2	3.6591	.01320	.19114	.00994	.02053	1.1522	.04334	3.0413	.00925	.01276	.01095	.01562	.46096
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97056**	**.10772**	**.00970**	**.01359**	**.00885**	**.01674**	F **.09007**	**.00900**	**.02171**	**.01911**
Stddev	.02250	.00040	.00011	.00048	.00034	.00058	.01133	.00012	.00001	.00030
%RSD	2.3181	.37050	1.1395	3.5123	3.8230	3.4785	12.581	1.3193	.03739	1.5852
#1	.95465	.10743	.00978	.01393	.00861	.01716	.08206	.00909	.02172	.01933
#2	.98646	.10800	.00962	.01325	.00909	.01633	.09808	.00892	.02171	.01890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6933.8**	**104090.**	**4881.6**
Stddev	22.3	343.	11.6
%RSD	.32118	.32993	.23742
#1	6918.0	103850.	4873.4
#2	6949.5	104340.	4889.8

Sample Name: 280-49122-d-1-a Acquired: 11/16/2013 11:15:58 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.04441**	**-.00208**	**.15449**	**.03877**	**.00001**	**-.00197**	**42.219**	**.00102**	**-.00004**
Stddev	.00002	.00000	.00171	.00025	.00002	.00001	.00052	.578	.00007	.00009
%RSD	26.035	.00060	82.271	.16023	.04111	57.581	26.597	1.3700	6.4289	233.91
#1	-.00006	.04441	-.00087	.15466	.03878	.00002	-.00234	42.628	.00107	-.00010
#2	-.00009	.04441	-.00329	.15431	.03876	.00001	-.00160	41.810	.00098	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00156**	**.42478**	**12.705**	**.00899**	**30.273**	**.02113**	**.00747**	**48.476**	**.00153**
Stddev	.00019	.00015	.00221	.167	.00084	.015	.00002	.00019	.107	.00011
%RSD	35.144	9.9126	.52029	1.3124	9.3850	.04848	.11335	2.5162	.22158	7.0292
#1	.00066	.00145	.42634	12.823	.00839	30.284	.02112	.00734	48.552	.00145
#2	.00040	.00166	.42322	12.587	.00958	30.263	.02115	.00760	48.400	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02954**	**.00361**	**52.692**	**.00021**	**.00003**	**2.8075**	**6.0082**	**.00062**	**.27472**	**.00156**
Stddev	.00178	.00041	.142	.00195	.00318	.0382	.0816	.00021	.00326	.00026
%RSD	6.0178	11.410	.26927	949.80	11021.	1.3589	1.3589	34.616	1.1857	16.429
#1	.02828	.00390	52.591	.00158	.00228	2.8345	6.0659	.00077	.27702	.00138
#2	.03079	.00332	52.792	-.00117	-.00222	2.7806	5.9504	.00047	.27241	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00046**	**.01161**	**-.00012**	**.12695**	**.00255**
Stddev	.00034	.00036	.00680	.00017	.00032	.00106
%RSD	149.13	78.879	58.586	139.17	.25479	41.463
#1	.00047	-.00072	.01641	.00000	.12672	.00181
#2	-.00001	-.00020	.00680	-.00024	.12717	.00330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6659.5**	**100180.**	**4873.7**
Stddev	1.9	174.	52.9
%RSD	.02921	.17406	1.0850
#1	6658.1	100050.	4836.3
#2	6660.9	100300.	4911.1

Sample Name: 280-49122-d-2-a Acquired: 11/16/2013 11:18:20 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.01944**	**-.00194**	**.03817**	**.27377**	**.00002**	**-.00363**	**7.4684**	**.00062**	**.00026**
Stddev	.00034	.00017	.00061	.00013	.00146	.00006	.00022	.0461	.00016	.00009
%RSD	1307.2	.87490	31.424	.33968	.53187	353.42	6.0497	.61659	25.656	34.111
#1	-.00027	.01932	-.00151	.03826	.27480	-.00003	-.00378	7.5010	.00050	.00020
#2	.00021	.01956	-.00237	.03808	.27274	.00006	-.00347	7.4359	.00073	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00481**	**.46474**	**2.9830**	**.00177**	**1.0677**	**.03036**	**.00005**	**3.1682**	**.00172**
Stddev	.00008	.00011	.00015	.0209	.00105	.0034	.00002	.00017	.0468	.00002
%RSD	14.438	2.2734	.03327	.70160	59.217	.31798	.05462	365.31	1.4764	1.3247
#1	.00052	.00473	.46485	2.9978	.00252	1.0653	.03037	.00017	3.2013	.00174
#2	.00063	.00488	.46463	2.9682	.00103	1.0701	.03035	-.00008	3.1351	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05318**	**.00173**	**1.2307**	**.00097**	**.00102**	**.87760**	**1.8781**	**.00036**	**.02330**	**.00136**
Stddev	.00053	.00008	.0019	.00211	.00018	.00128	.0027	.00053	.00002	.00037
%RSD	.98865	4.8185	.15014	217.27	17.377	.14593	.14593	148.67	.08790	26.857
#1	.05281	.00168	1.2294	.00247	.00089	.87670	1.8761	-.00002	.02329	.00110
#2	.05355	.00179	1.2320	-.00052	.00114	.87851	1.8800	.00073	.02331	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00214**	**.00982**	**-.00066**	**.15135**	**.00346**
Stddev	.00032	.00039	.00429	.00030	.00018	.00090
%RSD	34.699	17.986	43.692	45.825	.11687	26.082
#1	.00070	-.00241	.00679	-.00087	.15123	.00410
#2	.00116	-.00187	.01286	-.00045	.15148	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6870.3**	**104630.**	**4987.7**
Stddev	28.1	118.	15.2
%RSD	.40884	.11273	.30474
#1	6890.2	104550.	4977.0
#2	6850.5	104720.	4998.5

Sample Name: 280-49122-a-4-d Acquired: 11/16/2013 11:20:42 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.07259**	**.29222**	**5.7010**	**4.4885**	**-.00060**	**-.01574**	**9.3216**	**.00012**	**.10724**
Stddev	.00049	.00102	.00409	.0059	.0313	.00002	.00026	.0490	.00022	.00007
%RSD	75.699	1.4047	1.4003	.10322	.69661	3.7031	1.6371	.52576	179.62	.06504
#1	-.00100	.07332	.29512	5.7051	4.5106	-.00058	-.01555	9.3563	-.00003	.10719
#2	-.00030	.07187	.28933	5.6968	4.4664	-.00061	-.01592	9.2870	.00028	.10729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07112**	**.12352**	**4.8101**	F **784.88**	**.12396**	**51.915**	**.02266**	**.05490**	W **4819.8**	**.38840**
Stddev	.00018	.00006	.0100	6.52	.00096	.263	.00009	.00028	27.3	.00013
%RSD	.24822	.04618	.20868	.83115	.77168	.50695	.40819	.51243	.56722	.03442
#1	.07124	.12348	4.8030	789.50	.12463	51.729	.02259	.05470	4839.1	.38849
#2	.07099	.12356	4.8172	780.27	.12328	52.101	.02272	.05510	4800.4	.38830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.226**	**.02410**	**47.408**	**-.00258**	**.01676**	**23.873**	**51.088**	**.00919**	**2.4538**	**.00009**
Stddev	.008	.00215	.033	.00220	.00331	.182	.389	.00054	.0190	.00223
%RSD	.04659	8.9157	.06888	85.215	19.754	.76119	.76119	5.9149	.77572	2517.8
#1	18.232	.02258	47.385	-.00102	.01910	23.745	50.813	.00880	2.4672	-.00149
#2	18.220	.02562	47.431	-.00413	.01442	24.002	51.363	.00957	2.4403	.00167
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16742**	**-.00421**	**.01481**	**.24393**	**.13974**	**.07483**
Stddev	.00024	.00011	.02347	.00088	.00035	.00203
%RSD	.14351	2.6176	158.47	.36047	.24765	2.7134
#1	.16725	-.00413	.03141	.24331	.13950	.07339
#2	.16759	-.00429	-.00179	.24456	.13998	.07626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5519.1**	**78398.**	**4602.2**
Stddev	13.1	22.	1.1
%RSD	.23703	.02848	.02492
#1	5509.8	78414.	4601.3
#2	5528.3	78383.	4603.0

Sample Name: 280-49094-I-1-b Acquired: 11/16/2013 11:23:41 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201009 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**1.8071**	**.04472**	**.07628**	**.05943**	**-.00007**	**-.01263**	**7.5771**	**.00037**	**-.00063**
Stddev	.00049	.0048	.00008	.00053	.00000	.00015	.00071	.1181	.00014	.00004
%RSD	55.045	.26612	.17785	.69492	.00640	200.98	5.6339	1.5592	37.052	6.0677
#1	-.00124	1.8037	.04477	.07666	.05943	-.00018	-.01212	7.4936	.00027	-.00066
#2	-.00054	1.8105	.04466	.07591	.05943	.00003	-.01313	7.6607	.00047	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.06756**	**.11029**	**37.910**	**.02638**	**.05648**	**.00499**	**.01821**	W **6150.7**	**.00257**
Stddev	.00027	.00013	.00038	.599	.00106	.00668	.00007	.00047	12.8	.00021
%RSD	12.550	.19963	.34355	1.5810	4.0041	11.826	1.3629	2.6026	.20834	8.3303
#1	.00196	.06746	.11056	37.486	.02563	.06120	.00494	.01788	6141.6	.00241
#2	.00234	.06765	.11002	38.334	.02712	.05176	.00503	.01855	6159.7	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **53.547**	**.00817**	F **531.39**	**-.00969**	**.04795**	W **97.885**	**209.47**	**.01727**	**.05212**	**.00006**
Stddev	.161	.00097	1.65	.00231	.00010	.007	.02	.00022	.00054	.00052
%RSD	.30064	11.877	.31036	23.874	.20705	.00756	.00756	1.2651	1.0436	858.56
#1	53.433	.00749	530.23	-.00805	.04802	97.879	209.46	.01712	.05174	-.00031
#2	53.661	.00886	532.56	-.01133	.04788	97.890	209.48	.01743	.05251	.00043
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00			50.000				
Low Limit	-2.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19717**	W **-.01203**	**.05065**	**.00321**	**.05641**	**.05653**
Stddev	.00036	.00082	.02521	.00003	.00040	.00199
%RSD	.18306	6.7932	49.762	1.0914	.70677	3.5169
#1	.19743	-.01146	.03283	.00318	.05613	.05793
#2	.19692	-.01261	.06848	.00323	.05669	.05512
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000				
Low Limit		-.01000				

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5605.5**	**80939.**	**4817.8**
Stddev	2.8	1069.	37.8
%RSD	.04941	1.3212	.78469
#1	5607.4	80183.	4791.1
#2	5603.5	81695.	4844.6

Sample Name: CCVH-2382126 Acquired: 11/16/2013 11:26:45 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01020**	**49.972**	**-.00112**	**.00624**	**.00050**	**-.00008**	F **1.1065**	**-.00369**	**.00104**	**-.00041**	**.00026**	**.02095**
Stddev	.00046	.508	.00104	.00017	.00003	.00000	.0006	.00242	.00023	.00016	.00016	.00011
%RSD	4.5534	1.0175	93.114	2.6594	5.9998	3.5365	.05030	65.522	21.708	37.593	59.796	.54881
#1	-.01052	50.332	-.00185	.00636	.00052	-.00008	1.1069	-.00540	.00120	-.00052	.00015	.02087
#2	-.00987	49.612	-.00038	.00613	.00048	-.00009	1.1061	-.00198	.00088	-.00030	.00037	.02103
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.833**	**.71097**	**.00251**	**.06741**	**.00089**	**.00012**	F **313.17**	**-.00044**	**.04788**	**.00326**	**5.1971**	**-.00270**
Stddev	.316	.00080	.00041	.00127	.00001	.00009	3.63	.00005	.00735	.00020	.0195	.00066
%RSD	.67475	.11294	16.475	1.8896	1.4592	78.166	1.1578	12.146	15.361	6.1205	.37458	24.563
#1	47.056	.71040	.00222	.06831	.00088	.00018	315.73	-.00040	.04268	.00312	5.2109	-.00223
#2	46.609	.71154	.00281	.06651	.00090	.00005	310.61	-.00047	.05308	.00340	5.1834	-.00317
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**.02325**	**.04975**	**.00037**	**.00034**	W **4.4975**	**.01852**	**.00145**	F **11.345**	**.00301**	**.00129**	**-.07691**
Stddev	.00030	.00494	.01058	.00021	.00012	.0015	.00007	.00234	.092	.00007	.00012	.00004
%RSD	10.935	21.269	21.269	57.576	35.718	.03409	.35903	161.71	.80695	2.4449	9.1730	.05345
#1	-.00291	.02674	.05723	.00052	.00043	4.4986	.01857	-.00021	11.410	.00306	.00120	-.07688
#2	-.00249	.01975	.04227	.00022	.00026	4.4964	.01847	.00310	11.280	.00296	.00137	-.07694
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6848.5**	**103150.**	**5247.7**
Stddev	20.8	421.	35.0
%RSD	.30392	.40797	.66783
#1	6863.2	103450.	5222.9
#2	6833.8	102850.	5272.5

Sample Name: CCV-2372889 Acquired: 11/16/2013 11:29:10 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50034**	**.51923**	**1.0695**	F **.55905**	**.54132**	**.50693**	**-.01028**	**5.0004**	**.51552**	**.51111**	**.52972**	**.52265**
Stddev	.00092	.00205	.0008	.00457	.00822	.00802	.00186	.0252	.00015	.00007	.00075	.00061
%RSD	.18465	.39562	.07390	.81656	1.5190	1.5825	18.089	.50366	.02986	.01315	.14234	.11605
#1	.50100	.51777	1.0700	.55583	.54714	.51260	-.00897	5.0182	.51542	.51115	.52918	.52222
#2	.49969	.52068	1.0689	.56228	.53551	.50126	-.01159	4.9826	.51563	.51106	.53025	.52308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.490%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4459**	F **63.322**	F **1.1780**	**18.485**	**.49393**	**.52544**	F **6.5307**	**.53822**	**1.0810**	F **1.1058**	**.03387**	**1.0792**
Stddev	.0138	.896	.0143	.042	.00019	.00122	.1466	.00470	.0064	.0005	.00410	.0003
%RSD	.56488	1.4150	1.2105	.22736	.03811	.23299	2.2453	.87410	.58863	.04803	12.095	.02809
#1	2.4557	63.956	1.1881	18.515	.49406	.52458	6.6344	.53489	1.0765	1.1054	.03677	1.0795
#2	2.4362	62.689	1.1679	18.455	.49380	.52631	6.4270	.54154	1.0855	1.1061	.03097	1.0790
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass
Value		50.000	1.0000				5.0000			1.0000		
Range		10.490%	10.490%				10.490%			10.490%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1134**	**4.8285**	**10.333**	**1.0445**	**.51251**	**.01022**	**.45761**	**1.0540**	**.02403**	**.48319**	W **.44932**	**.48181**
Stddev	.0028	.0202	.043	.0051	.00811	.00221	.00048	.0089	.01544	.00219	.00047	.00580
%RSD	.24774	.41877	.41877	.48808	1.5819	21.652	.10525	.84418	64.259	.45369	.10390	1.2036
#1	1.1114	4.8428	10.364	1.0409	.51824	.00865	.45795	1.0477	.03495	.48164	.44899	.48591
#2	1.1153	4.8142	10.302	1.0481	.50678	.01178	.45727	1.0603	.01311	.48474	.44965	.47771
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
Value	1.0000										.50000	
Range	10.490%										-10.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6849.6**	**103410.**	**4971.0**
Stddev	11.7	28.	57.4
%RSD	.17044	.02707	1.1556
#1	6841.3	103390.	4930.4
#2	6857.9	103430.	5011.6

Sample Name: CCB Acquired: 11/16/2013 11:31:18 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00071**	**.00015**	W **.00588**	**.00025**	**.00001**	**-.00335**	**.00193**	**.00022**	**-.00003**	**-.00004**
Stddev	.00032	.00008	.00120	.00071	.00003	.00002	.00238	.00233	.00011	.00025	.00010
%RSD	237.36	11.853	816.04	12.091	13.034	220.91	71.023	120.73	51.185	993.66	227.14
#1	-.00009	.00065	.00099	.00638	.00022	-.00001	-.00167	.00358	.00014	-.00020	-.00011
#2	.00036	.00077	-.00070	.00538	.00027	.00003	-.00504	.00028	.00030	.00015	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00171**	**.00179**	W **.24528**	**-.00078**	**-.00040**	**.00003**	**.00152**	F **.60595**	**-.00006**	**.00949**	**.00085**
Stddev	.00022	.00082	.02553	.00156	.00120	.00004	.00058	.01134	.00002	.00247	.00110
%RSD	12.800	45.701	10.410	200.17	303.06	141.45	38.315	1.8712	27.199	26.008	129.34
#1	-.00155	.00121	.22722	-.00188	.00045	.00005	.00111	.61397	-.00007	.00774	.00162
#2	-.00186	.00237	.26333	.00032	-.00125	.00000	.00193	.59794	-.00005	.01123	.00007
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136		.23700					.18320			
Low Limit	-.00136		-.23700					-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02623**	**.00236**	**.00301**	**.02566**	**.05492**	**.00070**	**.00005**	**.00038**	**-.00004**	**-.00147**	**.01804**
Stddev	.00052	.00188	.00013	.00272	.00583	.00019	.00000	.00057	.00010	.00052	.03269
%RSD	1.9829	79.516	4.2851	10.619	10.619	27.236	1.0669	148.29	269.87	35.521	181.22
#1	.02660	.00103	.00292	.02759	.05904	.00057	.00006	.00078	-.00011	-.00110	.04115
#2	.02587	.00369	.00310	.02373	.05079	.00084	.00005	-.00002	.00003	-.00184	-.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00061**	**.00283**	F **.00532**
Stddev	.00013	.00025	.00098
%RSD	21.777	8.9247	18.485
#1	-.00070	.00301	.00463
#2	-.00051	.00265	.00602
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6935.4**	**105990.**	**5010.9**
Stddev	2.6	436.	30.2
%RSD	.03744	.41090	.60283
#1	6933.5	105680.	4989.5
#2	6937.2	106300.	5032.2

Sample Name: CCVL2383195 Acquired: 11/16/2013 11:33:38 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00925**	**.10635**	**.01431**	**.11253**	**.01067**	**.00101**	**.12051**	**.19243**	**.00538**	**.01027**	**.01047**	**.01429**	**.09749**
Stddev	.00005	.00025	.00039	.00023	.00029	.00010	.00167	.00559	.00005	.00005	.00003	.00016	.00153
%RSD	.54060	.23685	2.7184	.20719	2.7419	9.4742	1.3843	2.9069	.99278	.53333	.26323	1.1197	1.5725
#1	.00921	.10653	.01459	.11236	.01046	.00094	.11933	.18847	.00542	.01031	.01046	.01440	.09641
#2	.00928	.10618	.01404	.11269	.01088	.00108	.12169	.19639	.00534	.01024	.01049	.01417	.09858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8446**	**.01272**	**.18921**	**.00984**	**.02035**	F **1.5632**	**.04302**	**3.0717**	F **.01180**	**.01803**	**.01026**	**.01556**	**.46442**
Stddev	.0035	.00085	.00226	.00006	.00016	.0303	.00010	.0069	.00046	.00185	.00088	.00309	.00114
%RSD	.09204	6.6933	1.1941	.57816	.76982	1.9380	.22953	.22542	3.8737	10.259	8.6192	19.858	.24521
#1	3.8421	.01333	.19080	.00988	.02046	1.5418	.04309	3.0766	.01148	.01672	.01088	.01338	.46362
#2	3.8471	.01212	.18761	.00980	.02024	1.5846	.04295	3.0668	.01212	.01933	.00963	.01775	.46523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000			.00900				
Range						30.000%			30.000%				

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99386**	**.10759**	**.00983**	**.01377**	**.00897**	**.01634**	**.07336**	**.00870**	**.02110**	**.01919**
Stddev	.00244	.00023	.00008	.00112	.00023	.00064	.02788	.00031	.00029	.00086
%RSD	.24521	.21272	.82550	8.1207	2.5770	3.8944	38.000	3.5227	1.3705	4.4843
#1	.99214	.10743	.00977	.01456	.00914	.01679	.05365	.00848	.02090	.01858
#2	.99559	.10775	.00988	.01297	.00881	.01589	.09307	.00891	.02131	.01980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7028.5**	**107340.**	**4990.8**
Stddev	6.3	455.	11.7
%RSD	.09016	.42367	.23466
#1	7024.0	107010.	4999.1
#2	7033.0	107660.	4982.5

Sample Name: mb 280-200896/1-b Acquired: 11/16/2013 11:35:58 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00020**	**.00247**	**-.00291**	W **.00418**	**.00041**	**.00001**	**-.00116**	**.00789**	**.00038**	**-.00003**
Stddev	.00021	.00006	.00151	.00038	.00026	.00005	.00045	.00048	.00003	.00005
%RSD	103.87	2.6043	51.986	8.9935	64.493	327.74	38.218	6.0785	8.0193	156.00
#1	-.00035	.00243	-.00398	.00445	.00022	-.00002	-.00085	.00822	.00040	-.00007
#2	-.00005	.00252	-.00184	.00391	.00059	.00005	-.00148	.00755	.00036	.00000
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00175**	W **.06272**	**.13000**	**.00199**	**.00089**	**.00021**	**.00021**	W **.42047**	**-.00008**
Stddev	.00007	.00006	.00047	.07005	.00017	.00131	.00001	.00007	.00412	.00025
%RSD	116.55	3.4492	.75476	53.883	8.5387	147.74	6.2545	31.647	.97917	301.88
#1	.00001	-.00171	.06306	.17952	.00211	.00182	.00020	.00016	.41756	-.00026
#2	.00011	-.00179	.06239	.08047	.00187	-.00004	.00022	.00026	.42339	.00010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710						.05054	
Low Limit			-.05000						-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00530**	**.00107**	F **.02611**	**.00086**	**.00308**	**.00625**	**.01338**	**.00007**	**.00000**	W **.00092**
Stddev	.00203	.00112	.00108	.00103	.00078	.01517	.03246	.00027	.00002	.00040
%RSD	38.211	104.91	4.1523	119.90	25.306	242.66	242.66	377.86	428.87	43.406
#1	.00387	.00028	.02535	.00013	.00253	.01698	.03633	-.00012	-.00001	.00120
#2	.00674	.00186	.02688	.00159	.00363	-.00447	-.00958	.00026	.00002	.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00130**	**.02508**	**-.00040**	**.00315**	**.00303**
Stddev	.00000	.00014	.03280	.00024	.00014	.00202
%RSD	1.5830	10.383	130.75	60.376	4.5309	66.737
#1	-.00021	-.00121	.04828	-.00058	.00326	.00160
#2	-.00022	-.00140	.00189	-.00023	.00305	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6935.0**	**106220.**	**4911.2**
Stddev	5.9	208.	15.8
%RSD	.08493	.19535	.32260
#1	6930.8	106370.	4900.0
#2	6939.2	106080.	4922.4

Sample Name: lcs 280-200896/2-b Acquired: 11/16/2013 11:38:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04804**	**1.9462**	**1.1010**	F **1.1089**	**2.1317**	**.04985**	**2.2619**	**48.271**	**.10093**	**.49778**
Stddev	.00041	.0023	.0026	.0006	.0061	.00026	.0029	.058	.00036	.00019
%RSD	.85976	.11964	.23325	.05528	.28765	.52093	.12725	.11915	.35349	.03745
#1	.04834	1.9446	1.0992	1.1085	2.1361	.05003	2.2599	48.312	.10068	.49765
#2	.04775	1.9479	1.1028	1.1094	2.1274	.04966	2.2639	48.230	.10118	.49791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1050						
Low Limit				.86000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21304**	**.26211**	**1.0375**	F **63.662**	F **1.1762**	**46.418**	**.49108**	**1.0477**	F **65.096**	**.52567**
Stddev	.00038	.00030	.0013	.228	.0023	.008	.00100	.0006	.162	.00037
%RSD	.17675	.11300	.12891	.35828	.19747	.01745	.20379	.05825	.24820	.07111
#1	.21277	.26190	1.0366	63.824	1.1778	46.412	.49179	1.0481	65.210	.52540
#2	.21331	.26232	1.0385	63.501	1.1746	46.423	.49037	1.0473	64.982	.52593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.796**	**.54231**	**.01737**	**.53395**	F **2.2669**	**9.7056**	**20.770**	**2.0773**	**1.0070**	**.91005**
Stddev	.007	.00120	.00054	.00178	.0106	.0076	.016	.0130	.0020	.00192
%RSD	.06670	.22193	3.0998	.33343	.46734	.07829	.07829	.62529	.19478	.21047
#1	10.801	.54146	.01699	.53270	2.2594	9.7110	20.782	2.0681	1.0084	.91140
#2	10.791	.54316	.01775	.53521	2.2744	9.7002	20.759	2.0864	1.0056	.90869
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2400					
Low Limit					1.7000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92524**	**1.9949**	F **2.3265**	**.48760**	**.44863**	**.46612**
Stddev	.00158	.0062	.0139	.00037	.00000	.00014
%RSD	.17040	.30967	.59584	.07542	.00010	.03091
#1	.92413	1.9905	2.3167	.48734	.44863	.46622
#2	.92636	1.9993	2.3363	.48786	.44863	.46602
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6646.1**	**100280.**	**4949.6**
Stddev	7.8	26.	7.1
%RSD	.11804	.02599	.14325
#1	6651.6	100260.	4944.6
#2	6640.5	100290.	4954.6

Sample Name: 280-49176-c-1-d Acquired: 11/16/2013 11:40:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00655**	**.00012**	**.25727**	**.12122**	**-.00002**	**-.00232**	**140.57**	**.00081**	**-.00023**
Stddev	.00039	.00013	.00022	.00043	.00048	.00000	.00078	1.16	.00012	.00018
%RSD	939.77	2.0124	193.30	.16628	.39681	20.593	33.543	.82210	14.177	77.322
#1	.00024	.00646	.00027	.25697	.12088	-.00002	-.00287	141.39	.00089	-.00036
#2	-.00032	.00664	-.00004	.25757	.12156	-.00002	-.00177	139.75	.00073	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00104**	**.06029**	**5.9316**	**.05396**	**36.150**	**.08532**	**.00760**	**238.75**	**.00126**
Stddev	.00011	.00021	.00111	.0409	.00199	.010	.00002	.00110	1.90	.00010
%RSD	40.625	20.496	1.8403	.69001	3.6882	.02653	.02476	14.420	.79518	7.6362
#1	.00034	.00119	.05951	5.9027	.05536	36.157	.08533	.00683	240.09	.00120
#2	.00019	.00089	.06108	5.9606	.05255	36.143	.08530	.00838	237.41	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04802**	**-.00106**	**140.76**	**.00068**	**.00742**	**5.2352**	**11.203**	**.00062**	**1.8844**	**.00143**
Stddev	.00118	.00150	.28	.00180	.00044	.0110	.024	.00092	.0137	.00049
%RSD	2.4526	141.71	.20188	263.22	5.9752	.21091	.21091	147.20	.72834	34.515
#1	.04886	-.00212	140.56	-.00059	.00710	5.2274	11.187	-.00003	1.8941	.00108
#2	.04719	.00000	140.96	.00195	.00773	5.2430	11.220	.00127	1.8747	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00101**	**.06606**	**.00126**	**.00654**	**.00366**
Stddev	.00031	.00014	.01561	.00040	.00026	.00049
%RSD	453.39	13.851	23.627	32.050	3.9651	13.487
#1	.00015	.00111	.05502	.00155	.00672	.00331
#2	-.00029	.00091	.07709	.00097	.00635	.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6484.2**	**96960.**	**4842.6**
Stddev	22.0	117.	4.5
%RSD	.34001	.12040	.09351
#1	6468.7	96877.	4845.8
#2	6499.8	97042.	4839.4

Sample Name: 280-49176-c-1-dSD@5 Acquired: 11/16/2013 11:42:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00632**	**-.00024**	**.05563**	**.02450**	**-.00006**	**-.00244**	**28.234**	**.00026**	**-.00018**
Stddev	.00012	.00015	.00035	.00015	.00023	.00006	.00310	.050	.00006	.00004
%RSD	129.16	2.3349	148.40	.26245	.93107	107.56	126.97	.17779	21.693	24.701
#1	.00018	.00621	.00001	.05552	.02466	-.00001	-.00025	28.270	.00030	-.00015
#2	.00001	.00642	-.00049	.05573	.02434	-.00010	-.00463	28.199	.00022	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00103**	**.02413**	**1.1941**	**.01194**	**7.2079**	**.01719**	**.00124**	**48.161**	**.00023**
Stddev	.00009	.00015	.00505	.0147	.00022	.0062	.00002	.00006	.028	.00013
%RSD	112.53	14.506	20.919	1.2340	1.8394	.08615	.12470	5.1044	.05799	59.848
#1	.00014	-.00092	.02770	1.2045	.01179	7.2123	.01721	.00128	48.142	.00013
#2	.00002	-.00113	.02056	1.1837	.01210	7.2035	.01718	.00119	48.181	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00952**	**-.00039**	**27.133**	**-.00004**	**.00172**	**1.0334**	**2.2114**	**.00105**	**.37691**	**-.00020**
Stddev	.00096	.00038	.009	.00223	.00128	.0012	.0026	.00060	.00192	.00085
%RSD	10.120	95.681	.03385	5474.7	74.694	.11934	.11934	57.569	.50840	427.59
#1	.01020	-.00066	27.126	.00154	.00081	1.0325	2.2096	.00148	.37826	-.00080
#2	.00884	-.00013	27.139	-.00162	.00262	1.0343	2.2133	.00062	.37555	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.00043**	**.04172**	**-.00038**	**.00638**	**.00475**
Stddev	.00040	.00007	.03657	.00021	.00031	.00062
%RSD	134.04	16.259	87.665	56.103	4.8150	12.965
#1	-.00058	-.00038	.06758	-.00053	.00659	.00431
#2	-.00002	-.00048	.01586	-.00023	.00616	.00518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6811.3**	**104320.**	**5015.0**
Stddev	8.5	465.	31.3
%RSD	.12443	.44529	.62368
#1	6805.3	103990.	4992.9
#2	6817.3	104650.	5037.1

Sample Name: 280-49176-c-1-e ms Acquired: 11/16/2013 11:45:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04596**	**1.7770**	**1.0738**	**1.2771**	**2.1249**	**.04692**	F **2.1227**	**171.27**	**.09679**	**.46359**
Stddev	.00034	.0059	.0024	.0009	.0050	.00028	.0047	.23	.00012	.00044
%RSD	.73317	.33451	.21965	.07041	.23504	.59567	.22227	.13165	.11884	.09537
#1	.04572	1.7812	1.0755	1.2765	2.1285	.04711	2.1260	171.43	.09687	.46390
#2	.04619	1.7728	1.0722	1.2777	2.1214	.04672	2.1193	171.11	.09671	.46328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20117**	**.24983**	**.97289**	**67.384**	**1.1859**	**75.394**	**.53674**	**1.0083**	**277.14**	**.48987**
Stddev	.00041	.00109	.00035	.157	.0066	.076	.00002	.0026	.09	.00028
%RSD	.20539	.43483	.03601	.23274	.55958	.10133	.00438	.25640	.03177	.05741
#1	.20146	.25060	.97314	67.495	1.1906	75.448	.53676	1.0101	277.20	.49006
#2	.20088	.24906	.97264	67.273	1.1812	75.340	.53672	1.0065	277.07	.48967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.607**	**.49448**	**130.35**	**.50785**	**2.1755**	**14.052**	**30.071**	**1.9377**	**2.6606**	**.85178**
Stddev	.016	.00040	.16	.00012	.0085	.049	.106	.0003	.0070	.00047
%RSD	.14827	.08055	.12274	.02301	.39209	.35204	.35204	.01431	.26232	.05473
#1	10.618	.49476	130.46	.50777	2.1815	14.017	29.996	1.9375	2.6656	.85146
#2	10.595	.49419	130.24	.50793	2.1695	14.087	30.146	1.9378	2.6557	.85211
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87290**	**1.7480**	**2.2264**	**.46189**	**.41742**	**.44492**
Stddev	.00421	.0029	.0427	.00079	.00084	.00176
%RSD	.48251	.16399	1.9196	.17107	.20022	.39665
#1	.87588	1.7500	2.2567	.46245	.41801	.44367
#2	.86992	1.7460	2.1962	.46134	.41683	.44617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6493.0**	**98834.**	**5088.0**
Stddev	10.1	396.	35.5
%RSD	.15580	.40029	.69790
#1	6485.8	98554.	5062.9
#2	6500.1	99114.	5113.1

Sample Name: 280-49176-c-1-f msd Acquired: 11/16/2013 11:47:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04826**	**1.8680**	**1.1494**	**1.3482**	**2.2227**	**.04888**	F **2.2612**	**177.52**	**.10263**	**.49004**
Stddev	.00050	.0062	.0034	.0048	.0073	.00026	.0035	.28	.00006	.00136
%RSD	1.0362	.33112	.29161	.35458	.32656	.53704	.15517	.15822	.05840	.27746
#1	.04790	1.8636	1.1517	1.3448	2.2176	.04869	2.2587	177.32	.10267	.48908
#2	.04861	1.8723	1.1470	1.3515	2.2279	.04907	2.2637	177.72	.10259	.49100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21321**	**.26270**	**1.0041**	**70.424**	**1.2425**	**78.723**	**.56168**	**1.0607**	**288.50**	**.51870**
Stddev	.00088	.00054	.0042	.138	.0045	.129	.00177	.0022	.36	.00146
%RSD	.41442	.20444	.41432	.19606	.35808	.16385	.31483	.20557	.12649	.28061
#1	.21258	.26232	1.0071	70.326	1.2394	78.632	.56043	1.0592	288.24	.51767
#2	.21383	.26308	1.0012	70.522	1.2457	78.814	.56294	1.0622	288.75	.51972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.290**	**.52489**	**138.08**	**.53679**	**2.3306**	**14.489**	**31.006**	W **2.0242**	**2.7716**	**.89918**
Stddev	.028	.00350	.26	.00231	.0075	.002	.003	.0093	.0105	.00284
%RSD	.24993	.66741	.18666	.43101	.32100	.01069	.01069	.46091	.37818	.31563
#1	11.270	.52241	137.90	.53515	2.3253	14.490	31.008	2.0176	2.7642	.89717
#2	11.310	.52737	138.26	.53843	2.3359	14.488	31.004	2.0308	2.7790	.90118
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90926**	**1.8341**	**2.3489**	**.48487**	**.43252**	**.45422**
Stddev	.00289	.0010	.0271	.00028	.00098	.00165
%RSD	.31752	.05452	1.1528	.05745	.22606	.36312
#1	.90722	1.8334	2.3680	.48468	.43183	.45306
#2	.91130	1.8348	2.3297	.48507	.43321	.45539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6470.7**	**99449.**	**5220.0**
Stddev	3.2	93.	54.6
%RSD	.05015	.09401	1.0469
#1	6473.0	99383.	5258.6
#2	6468.4	99515.	5181.3

Sample Name: 280-49176-c-2-b Acquired: 11/16/2013 11:49:24 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00432**	**.00177**	**.26574**	**.11143**	**-.00001**	**-.00266**	**139.41**	**.00086**	**-.00023**
Stddev	.00022	.00018	.00035	.00067	.00077	.00003	.00070	2.06	.00026	.00025
%RSD	54.817	4.1567	19.542	.25099	.69521	314.03	26.190	1.4747	29.755	111.13
#1	-.00056	.00419	.00201	.26527	.11198	-.00003	-.00217	140.86	.00068	-.00005
#2	-.00025	.00444	.00152	.26621	.11088	.00001	-.00316	137.95	.00104	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00014**	**.06485**	**5.7325**	**.05248**	**34.798**	**.14696**	**.00807**	**243.74**	**.00164**
Stddev	.00003	.00005	.00155	.0008	.00240	.095	.00061	.00082	2.78	.00011
%RSD	20.800	36.266	2.3867	.01332	4.5822	.27310	.41654	10.113	1.1387	6.6762
#1	.00019	.00010	.06594	5.7331	.05418	34.731	.14740	.00749	245.71	.00171
#2	.00014	.00017	.06375	5.7320	.05078	34.865	.14653	.00864	241.78	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04458**	**-.00079**	**151.39**	**.00052**	**.00707**	**4.8502**	**10.379**	**.00057**	**1.8549**	**.00207**
Stddev	.00017	.00003	.18	.00099	.00002	.0231	.049	.00085	.0283	.00277
%RSD	.37248	4.3010	.12207	190.07	.32556	.47553	.47553	148.25	1.5273	133.65
#1	.04446	-.00082	151.26	-.00018	.00708	4.8339	10.344	.00117	1.8749	.00402
#2	.04470	-.00077	151.52	.00122	.00705	4.8665	10.414	-.00003	1.8349	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00140**	**.06200**	**.00082**	**.00544**	**.00554**
Stddev	.00020	.00086	.04437	.00051	.00017	.00160
%RSD	183.51	61.237	71.568	62.341	3.1923	28.865
#1	-.00003	.00200	.03063	.00046	.00557	.00667
#2	.00025	.00079	.09338	.00118	.00532	.00441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6551.8**	**100080.**	**5245.9**
Stddev	15.4	136.	69.4
%RSD	.23528	.13600	1.3232
#1	6562.7	100170.	5196.8
#2	6540.9	99979.	5295.0

Sample Name: 280-49176-c-3-b Acquired: 11/16/2013 11:51:46 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00393**	**.00196**	**.25333**	**.10734**	**.00002**	**-.00354**	**134.50**	**.00080**	**-.00038**
Stddev	.00043	.00006	.00138	.00115	.00009	.00006	.00260	.24	.00003	.00025
%RSD	509.69	1.6340	70.409	.45292	.08179	357.76	73.296	.17740	3.7787	64.288
#1	.00022	.00388	.00099	.25252	.10740	-.00003	-.00171	134.67	.00078	-.00056
#2	-.00039	.00397	.00294	.25414	.10728	.00006	-.00538	134.34	.00082	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00051**	**.06609**	**5.4157**	**.05004**	**33.510**	**.14140**	**.00453**	**233.28**	**.00163**
Stddev	.00007	.00016	.00080	.0500	.00143	.075	.00001	.00015	1.36	.00006
%RSD	19.472	30.584	1.2159	.92386	2.8643	.22242	.00868	3.3451	.58506	3.8821
#1	.00029	.00040	.06553	5.3803	.05106	33.457	.14141	.00442	234.25	.00158
#2	.00039	.00062	.06666	5.4511	.04903	33.562	.14139	.00463	232.32	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04070**	**.00043**	**144.92**	**-.00020**	**.00356**	**4.6659**	**9.9851**	**.00043**	**1.7668**	**.00070**
Stddev	.00145	.00040	.36	.00002	.00006	.0067	.0143	.00015	.0080	.00073
%RSD	3.5549	93.290	.24750	10.056	1.5639	.14348	.14348	35.503	.45063	104.35
#1	.04172	.00015	145.18	-.00019	.00353	4.6707	9.9952	.00032	1.7724	.00018
#2	.03967	.00071	144.67	-.00022	.00360	4.6612	9.9750	.00054	1.7611	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00042**	**.05711**	**.00068**	**.00542**	**.00314**
Stddev	.00004	.00026	.03720	.00020	.00039	.00029
%RSD	7.1899	62.445	65.133	29.655	7.1554	9.1135
#1	-.00065	.00023	.08341	.00082	.00569	.00294
#2	-.00059	.00061	.03081	.00053	.00515	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6524.5**	**99783.**	**5039.9**
Stddev	38.8	137.	27.8
%RSD	.59403	.13767	.55096
#1	6551.9	99880.	5020.2
#2	6497.1	99686.	5059.5

Sample Name: 280-49176-c-4-b Acquired: 11/16/2013 11:54:08 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201191 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00435**	**.00042**	**.28369**	**.10979**	**-.00004**	**-.00276**	**148.77**	**.00084**	**-.00031**
Stddev	.00022	.00013	.00034	.00085	.00083	.00001	.00234	1.08	.00002	.00034
%RSD	224.68	2.9897	81.827	.30093	.75622	13.980	84.730	.72582	2.3781	107.86
#1	.00006	.00444	.00018	.28429	.11037	-.00003	-.00111	149.54	.00083	-.00055
#2	-.00025	.00426	.00066	.28309	.10920	-.00004	-.00441	148.01	.00086	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00018**	**.06544**	**5.7383**	**.05484**	**36.284**	**.20729**	**.00437**	**264.44**	**.00169**
Stddev	.00003	.00005	.00221	.0399	.00092	.168	.00054	.00031	2.89	.00004
%RSD	23.861	28.831	3.3804	.69458	1.6802	.46345	.26274	7.1249	1.0924	2.3664
#1	.00014	.00014	.06387	5.7101	.05419	36.165	.20690	.00415	266.49	.00172
#2	.00010	.00021	.06700	5.7665	.05549	36.403	.20767	.00459	262.40	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03744**	**-.00034**	**165.33**	**-.00173**	**.00755**	**4.9149**	**10.518**	**-.00060**	**1.9294**	**.00102**
Stddev	.00109	.00078	.12	.00105	.00223	.0451	.097	.00027	.0145	.00010
%RSD	2.9167	226.62	.07105	60.705	29.513	.91803	.91803	45.683	.75328	9.6539
#1	.03667	.00021	165.25	-.00247	.00913	4.8830	10.450	-.00080	1.9397	.00095
#2	.03821	-.00089	165.41	-.00099	.00598	4.9468	10.586	-.00041	1.9191	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00026**	**.05252**	**.00076**	**.00505**	**.00386**
Stddev	.00011	.00104	.02650	.00017	.00033	.00012
%RSD	23.149	406.69	50.459	22.705	6.4669	3.2266
#1	-.00058	.00099	.07125	.00064	.00528	.00395
#2	-.00042	-.00048	.03378	.00089	.00482	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6465.3**	**98518.**	**4994.8**
Stddev	12.1	534.	26.3
%RSD	.18648	.54158	.52639
#1	6473.8	98896.	4976.2
#2	6456.8	98141.	5013.4

Sample Name: CCVH-2382126 Acquired: 11/16/2013 11:56:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01050**	**50.529**	**.00117**	**.00512**	**.00081**	**-.00008**	W **1.0721**	**.01507**	**.00069**	**-.00052**	**.00022**	**.02005**
Stddev	.00022	.299	.00286	.00004	.00027	.00004	.0069	.00120	.00012	.00031	.00009	.00005
%RSD	2.0872	.59256	244.56	.83642	33.271	52.283	.64078	7.9776	18.011	59.290	42.661	.22913
#1	-.01066	50.741	-.00085	.00509	.00062	-.00010	1.0769	.01592	.00060	-.00074	.00029	.02008
#2	-.01035	50.318	.00319	.00515	.00100	-.00005	1.0672	.01422	.00077	-.00030	.00015	.02002
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.702**	**.07901**	**.00195**	**.06603**	**.00090**	**.00023**	F **317.34**	**-.00061**	**.00167**	**.00286**	**5.0729**	**-.00272**
Stddev	.187	.04259	.00039	.00284	.00001	.00005	1.02	.00013	.00018	.00110	.0367	.00160
%RSD	.39294	53.913	19.928	4.2944	.69937	22.226	.32288	20.558	10.630	38.546	.72356	58.681
#1	47.570	.04889	.00167	.06804	.00090	.00020	318.06	-.00070	.00180	.00208	5.0989	-.00385
#2	47.835	.10912	.00222	.06403	.00089	.00027	316.62	-.00052	.00155	.00363	5.0470	-.00159
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00630**	**-.00194**	**-.00416**	**.00079**	**.00057**	W **4.5125**	**.01890**	**.00238**	F **11.236**	**.00351**	**.00188**	**-.07776**
Stddev	.00147	.00164	.00350	.00040	.00014	.0053	.00018	.00060	.004	.00007	.00028	.00225
%RSD	23.378	84.308	84.308	50.499	23.977	.11866	.96941	25.139	.03324	2.0520	14.904	2.8945
#1	-.00526	-.00310	-.00663	.00051	.00067	4.5088	.01903	.00281	11.234	.00346	.00168	-.07935
#2	-.00734	-.00078	-.00168	.00107	.00047	4.5163	.01877	.00196	11.239	.00356	.00208	-.07617
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6741.7**	**100380.**	**4892.0**
Stddev	2.7	173.	10.8
%RSD	.04004	.17270	.22133
#1	6739.7	100260.	4899.7
#2	6743.6	100510.	4884.3

Sample Name: CCV-2372889 Acquired: 11/16/2013 11:58:54 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49101**	**.52031**	**1.0564**	**.54312**	**.53843**	**.50299**	**-.00892**	**5.1907**	**.50210**	**.51080**	**.53087**	**.50821**
Stddev	.00077	.00108	.0047	.00019	.00029	.00052	.00083	.2561	.00082	.00035	.00036	.00050
%RSD	.15609	.20719	.44902	.03485	.05340	.10376	9.2848	4.9345	.16374	.06905	.06866	.09782
#1	.49046	.51955	1.0530	.54299	.53823	.50336	-.00951	5.0096	.50268	.51105	.53062	.50786
#2	.49155	.52108	1.0597	.54325	.53863	.50262	-.00834	5.3718	.50152	.51056	.53113	.50857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4454**	F **63.160**	F **1.1700**	**18.461**	**.49804**	**.52611**	F **6.3725**	**.54390**	**1.0518**	W **1.1043**	**.03027**	**1.0537**
Stddev	.0187	.122	.0006	.013	.00033	.00012	.5992	.00065	.0009	.0005	.00689	.0011
%RSD	.76353	.19389	.05113	.07252	.06562	.02209	9.4034	.11942	.08580	.04348	22.747	.10104
#1	2.4322	63.246	1.1704	18.471	.49827	.52619	5.9487	.54344	1.0512	1.1047	.02540	1.0530
#2	2.4586	63.073	1.1696	18.452	.49781	.52603	6.7962	.54436	1.0524	1.1040	.03514	1.0545
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value		50.000	1.0000				5.0000			1.0000		
Range		10.490%	10.490%				10.490%			10.000%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0975**	**4.8118**	**10.297**	**1.0479**	**.51167**	**.00869**	**.45831**	**1.0358**	**.02096**	**.48553**	**.45666**	**.47892**
Stddev	.0028	.0017	.004	.0010	.00337	.00024	.00098	.0030	.03644	.00098	.00374	.00074
%RSD	.25778	.03514	.03514	.09478	.65909	2.7247	.21310	.29033	173.83	.20127	.81915	.15385
#1	1.0955	4.8130	10.300	1.0472	.50929	.00886	.45900	1.0337	-.00480	.48622	.45931	.47944
#2	1.0995	4.8106	10.295	1.0486	.51406	.00852	.45762	1.0379	.04673	.48484	.45402	.47840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6802.9**	**102460.**	**4858.7**
Stddev	12.8	210.	43.6
%RSD	.18882	.20515	.89725
#1	6793.8	102310.	4827.9
#2	6812.0	102610.	4889.5

Sample Name: CCB Acquired: 11/16/2013 12:01:02 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00057**	**-.00018**	**.00339**	**.00030**	**.00000**	**-.00232**	**.01015**	**.00033**	**-.00009**	**.00012**
Stddev	.00014	.00006	.00118	.00054	.00005	.0000	.00049	.00147	.00011	.00006	.00009
%RSD	148.87	10.012	666.25	16.048	15.838	852.67	21.090	14.533	33.097	71.215	72.758
#1	.00020	.00061	-.00101	.00378	.00027	.00001	-.00267	.00910	.00026	-.00013	.00019
#2	-.00001	.00053	.00065	.00301	.00033	-.00001	-.00197	.01119	.00041	-.00004	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00195**	**.00189**	**.00886**	**.00118**	**.00385**	**.00007**	**.00190**	F **.19231**	**.00025**	**.00075**	**-.00018**
Stddev	.00058	.00143	.02372	.00006	.00161	.00005	.00027	.02245	.00025	.00101	.00021
%RSD	29.516	75.946	267.63	5.2096	41.781	72.180	14.320	11.673	97.904	134.07	114.84
#1	-.00236	.00087	.02564	.00114	.00499	.00011	.00171	.20818	.00008	.00004	-.00003
#2	-.00154	.00290	-.00791	.00123	.00271	.00004	.00210	.17643	.00043	.00147	-.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03099**	W **.00332**	**.00320**	**-.00183**	**-.00391**	**.00052**	**.00018**	**.00121**	**-.00006**	**-.00107**	**-.00760**
Stddev	.00054	.00031	.00072	.00984	.02106	.00038	.00004	.00048	.00012	.00005	.01220
%RSD	1.7551	9.3705	22.630	538.80	538.80	72.517	24.841	39.836	184.72	4.2061	160.57
#1	.03138	.00310	.00268	-.00879	-.01880	.00078	.00015	.00156	-.00015	-.00110	.00103
#2	.03061	.00354	.00371	.00513	.01098	.00025	.00021	.00087	.00002	-.00104	-.01622
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00081**	**.00261**	W **.00431**
Stddev	.00001	.00031	.00194
%RSD	1.6880	12.047	44.918
#1	-.00082	.00283	.00294
#2	-.00081	.00239	.00568
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7005.3**	**107860.**	**4965.7**
Stddev	1.0	154.	193.8
%RSD	.01456	.14280	3.9033
#1	7004.5	107750.	4828.7
#2	7006.0	107970.	5102.8

Sample Name: CCVL2383195 Acquired: 11/16/2013 12:03:22 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00967**	**.10746**	**.01604**	**.11220**	**.01112**	**.00105**	**.12311**	F **.30372**	**.00539**	**.01040**	**.01083**	**.01363**	**.11241**
Stddev	.00058	.00052	.00071	.00105	.00080	.00005	.00233	.14023	.00010	.00004	.00004	.00028	.01330
%RSD	6.0171	.48052	4.4514	.93583	7.2295	5.2402	1.8915	46.172	1.7822	.33767	.34564	2.0443	11.834
#1	.00926	.10709	.01554	.11294	.01055	.00101	.12475	.20456	.00546	.01042	.01086	.01383	.10301
#2	.01009	.10782	.01655	.11146	.01169	.00109	.12146	.40288	.00532	.01037	.01080	.01344	.12182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000					
Range								30.000%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8062**	**.01066**	**.18982**	**.01009**	**.02086**	F **1.4777**	**.04425**	**3.0997**	**.01089**	**.01695**	**.01067**	**.01841**	**.48834**
Stddev	.0195	.00185	.00070	.00003	.00004	.2692	.00020	.0137	.00090	.00223	.00001	.00140	.04525
%RSD	.51331	17.376	.36786	.27925	.19232	18.214	.45007	.44204	8.2409	13.135	.04816	7.5878	9.2651
#1	3.7924	.01197	.19032	.01007	.02088	1.2874	.04439	3.1094	.01152	.01853	.01067	.01743	.45635
#2	3.8200	.00935	.18933	.01011	.02083	1.6680	.04411	3.0900	.01025	.01538	.01068	.01940	.52033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0450**	**.10962**	**.01161**	**.01357**	**.00895**	**.01594**	F **.08479**	**.00879**	**.02142**	**.01864**
Stddev	.0968	.00029	.00218	.00095	.00011	.00005	.01584	.00026	.00021	.00005
%RSD	9.2651	.26465	18.760	7.0210	1.1769	.32159	18.678	2.9302	.97194	.29039
#1	.97658	.10983	.01007	.01289	.00902	.01598	.09599	.00860	.02128	.01860
#2	1.1135	.10942	.01314	.01424	.00887	.01590	.07359	.00897	.02157	.01868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7127.6**	**109590.**	**5217.3**
Stddev	3.3	220.	14.2
%RSD	.04679	.20094	.27170
#1	7130.0	109740.	5227.3
#2	7125.3	109430.	5207.3

Sample Name: mb 280-201046/1-a Acquired: 11/16/2013 12:05:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00285**	**-.00062**	**.00252**	**.00032**	**.00006**	**-.00063**	**.01207**	**.00022**	**-.00025**
Stddev	.00002	.00006	.00240	.00001	.00023	.00001	.00105	.00288	.00006	.00015
%RSD	119.17	2.2220	387.44	.53124	72.457	20.901	165.03	23.847	27.220	61.775
#1	-.00002	.00289	.00108	.00253	.00048	.00005	-.00137	.01410	.00026	-.00035
#2	.00000	.00280	-.00231	.00251	.00015	.00007	.00011	.01003	.00018	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00167**	W **.06663**	**-.02335**	**.00038**	**.00186**	W **.00032**	**.00016**	W **.17443**	**.00030**
Stddev	.00005	.00001	.00368	.01042	.00121	.00027	.00001	.00022	.00428	.00024
%RSD	38.376	.68731	5.5151	44.626	314.55	14.597	3.2836	134.16	2.4549	79.980
#1	.00010	-.00168	.06404	-.03072	.00124	.00167	.00031	.00001	.17140	.00047
#2	.00017	-.00167	.06923	-.01598	-.00047	.00205	.00033	.00032	.17746	.00013
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710				.00023		.05054	
Low Limit			-.05000				-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**.00054**	F **.01898**	**-.00072**	**-.00008**	**.00486**	**.01040**	**-.00002**	**.00004**	W **.00094**
Stddev	.00104	.00015	.00109	.00089	.00032	.01147	.02454	.00018	.00003	.00137
%RSD	34.009	27.214	5.7235	123.81	411.46	236.04	236.04	808.83	76.653	145.99
#1	.00231	.00065	.01822	-.00134	.00015	.01297	.02775	-.00015	.00002	-.00003
#2	.00378	.00044	.01975	-.00009	-.00031	-.00325	-.00696	.00011	.00006	.00191
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00075**	**.03995**	**-.00079**	**.00320**	**.00391**
Stddev	.00008	.00099	.00444	.00009	.00010	.00092
%RSD	405.34	132.51	11.109	11.240	3.0176	23.493
#1	-.00007	-.00005	.03682	-.00073	.00327	.00326
#2	.00004	-.00145	.04309	-.00085	.00313	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7056.1**	**109790.**	**5175.3**
Stddev	7.4	135.	74.7
%RSD	.10546	.12258	1.4438
#1	7050.9	109700.	5122.5
#2	7061.4	109890.	5228.2

Sample Name: lcs 280-201046/2-a Acquired: 11/16/2013 12:08:04 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04785**	**1.9614**	F **1.1246**	F **1.1427**	**2.1951**	**.05126**	**2.3224**	**49.341**	**.10317**	**.50754**
Stddev	.00035	.0002	.0022	.0005	.0091	.00034	.0071	.061	.00008	.00030
%RSD	.73848	.01042	.19591	.04490	.41322	.66714	.30750	.12294	.07431	.05869
#1	.04810	1.9612	1.1262	1.1423	2.2015	.05102	2.3275	49.384	.10323	.50776
#2	.04760	1.9615	1.1231	1.1430	2.1887	.05150	2.3174	49.298	.10312	.50733
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1050	1.1050						
Low Limit			.87500	.86000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21702**	**.26631**	**1.0462**	F **65.432**	F **1.2093**	**46.364**	**.49565**	**1.0802**	F **66.383**	**.53614**
Stddev	.00043	.00098	.0043	.059	.0039	.070	.00007	.0023	.415	.00043
%RSD	.19877	.36865	.40654	.08941	.32057	.15156	.01333	.21009	.62551	.08034
#1	.21733	.26700	1.0432	65.473	1.2121	46.314	.49560	1.0818	66.089	.53644
#2	.21672	.26561	1.0492	65.390	1.2066	46.413	.49569	1.0786	66.677	.53583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.028**	F **.55197**	**.04838**	W **.54899**	F **2.3174**	**9.9058**	**21.198**	**2.1303**	**1.0351**	**.91798**
Stddev	.011	.00133	.00056	.00189	.0073	.0028	.006	.0088	.0027	.00169
%RSD	.10030	.24159	1.1553	.34406	.31383	.02783	.02783	.41464	.26390	.18427
#1	11.036	.55103	.04878	.54765	2.3122	9.9039	21.194	2.1240	1.0370	.91679
#2	11.020	.55292	.04799	.55032	2.3225	9.9078	21.203	2.1365	1.0332	.91918
Check ?	Chk Pass	Chk Fail	None	Chk Warn	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.55000		.54000	2.2400					
Low Limit		.44500		.44000	1.7000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94428**	**2.0224**	F **2.3944**	**.49378**	**.44181**	**.48047**
Stddev	.00057	.0063	.0192	.00138	.00278	.00269
%RSD	.06082	.31071	.80120	.27964	.62918	.56076
#1	.94469	2.0179	2.3808	.49280	.43984	.48238
#2	.94388	2.0268	2.4079	.49475	.44377	.47857
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6781.5**	**103710.**	**5134.4**
Stddev	6.6	16.	3.0
%RSD	.09660	.01549	.05919
#1	6776.8	103720.	5132.2
#2	6786.1	103690.	5136.5

Sample Name: 280-48995-a-3-j Acquired: 11/16/2013 12:10:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.34481**	**-.00113**	**.02437**	**.03558**	**-.00004**	**-.00208**	**35.369**	**.00066**	**.00132**
Stddev	.00007	.00036	.00082	.00026	.00014	.00002	.00031	.001	.00003	.00005
%RSD	9.8691	.10447	72.658	1.0601	.40122	54.473	14.773	.00201	4.9315	4.1444
#1	-.00071	.34506	-.00055	.02419	.03568	-.00006	-.00230	35.369	.00068	.00136
#2	-.00062	.34455	-.00171	.02456	.03547	-.00003	-.00187	35.368	.00064	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00211**	**.53810**	**4.5407**	**.00200**	**12.814**	**.02420**	**1.8024**	**25.875**	**.00155**
Stddev	.00005	.00001	.00357	.0255	.00134	.063	.00009	.0008	.226	.00003
%RSD	6.1778	.45275	.66362	.56079	67.275	.49324	.35685	.04531	.87317	1.7865
#1	.00086	.00212	.53558	4.5587	.00295	12.859	.02427	1.8029	26.034	.00157
#2	.00079	.00210	.54063	4.5227	.00105	12.770	.02414	1.8018	25.715	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04286**	**.00293**	**18.527**	**-.00690**	**.00517**	**2.3524**	**5.0341**	**.00096**	**.06028**	**.00156**
Stddev	.00048	.00079	.029	.00068	.00309	.0292	.0625	.00050	.00002	.00032
%RSD	1.1166	27.140	.15664	9.8136	59.640	1.2407	1.2407	51.846	.03648	20.297
#1	.04320	.00237	18.547	-.00642	.00299	2.3317	4.9899	.00061	.06029	.00178
#2	.04252	.00349	18.506	-.00737	.00736	2.3730	5.0782	.00131	.06026	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00680**	**-.00118**	**.03077**	**.00062**	**.01883**	**.00352**
Stddev	.00045	.00027	.00278	.00009	.00035	.00110
%RSD	6.6136	23.011	9.0319	14.879	1.8429	31.260
#1	.00712	-.00138	.02881	.00055	.01907	.00430
#2	.00648	-.00099	.03274	.00068	.01858	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.4**	**106070.**	**5243.5**
Stddev	12.5	139.	.8
%RSD	.18206	.13067	.01497
#1	6890.2	105970.	5242.9
#2	6872.5	106160.	5244.0

Sample Name: 280-48995-a-3-jSD@5 Acquired: 11/16/2013 12:12:30 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.08114**	**-.00392**	**.00678**	**.00725**	**-.00006**	**-.00183**	**7.3890**	**.00036**	**.00030**
Stddev	.00049	.00017	.00187	.00043	.00041	.00004	.00034	.0743	.00015	.00000
%RSD	205.24	.21498	47.643	6.3876	5.6078	75.167	18.365	1.0059	42.803	.91582
#1	.00011	.08126	-.00525	.00648	.00697	-.00009	-.00207	7.4415	.00025	.00030
#2	-.00058	.08101	-.00260	.00709	.00754	-.00003	-.00160	7.3364	.00047	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00106**	**.11909**	**.94262**	**.00032**	**2.6390**	**.00508**	**.37659**	**4.5580**	**.00021**
Stddev	.00004	.00003	.00344	.04578	.00016	.0027	.00002	.00281	.0091	.00008
%RSD	23.168	2.8436	2.8876	4.8570	49.045	.10136	.33061	.74689	.19989	38.166
#1	.00021	-.00108	.11666	.91024	.00021	2.6409	.00510	.37460	4.5516	.00016
#2	.00015	-.00104	.12152	.97499	.00044	2.6371	.00507	.37858	4.5644	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00787**	**.00009**	**3.6728**	**-.00274**	**.00087**	**.47874**	**1.0245**	**.00142**	**.01231**	**.00097**
Stddev	.00053	.00145	.0290	.00045	.00069	.00125	.0027	.00004	.00008	.00056
%RSD	6.7774	1593.5	.79002	16.564	78.590	.26101	.26101	2.8000	.69024	57.958
#1	.00825	-.00093	3.6523	-.00306	.00136	.47786	1.0226	.00139	.01237	.00137
#2	.00750	.00112	3.6933	-.00242	.00039	.47963	1.0264	.00145	.01224	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**-.00079**	**-.01304**	**-.00048**	**.00910**	**.00372**
Stddev	.00004	.00071	.01082	.00012	.00017	.00253
%RSD	3.1246	89.728	83.028	26.015	1.8707	67.797
#1	.00120	-.00029	-.02069	-.00057	.00922	.00551
#2	.00114	-.00128	-.00538	-.00039	.00898	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6945.9**	**107240.**	**5099.9**
Stddev	15.5	296.	28.5
%RSD	.22385	.27593	.55946
#1	6956.9	107450.	5079.7
#2	6934.9	107030.	5120.1

Sample Name: 280-48995-a-3-k ms Acquired: 11/16/2013 12:14:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04649**	W **2.5496**	W **2.9394**	**1.0868**	**1.1056**	**2.1340**	**.04870**	F **2.2071**	**80.813**	**.09924**
Stddev	.00048	.0072	.0012	.0048	.0076	.0041	.00015	.0160	.165	.00083
%RSD	1.0307	.28068	.03952	.44091	.69066	.19125	.31627	.72682	.20365	.83781
#1	.04683	2.5546	2.9402	1.0834	1.1002	2.1369	.04859	2.1958	80.930	.09865
#2	.04616	2.5445	2.9386	1.0901	1.1110	2.1311	.04881	2.2185	80.697	.09982
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		2.5000	500.00					.10000		
Low Limit		-.05000	3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48207**	**.20847**	**.25938**	**1.6404**	**67.307**	**1.1706**	**56.878**	**.51600**	**2.7166**	**87.428**
Stddev	.00054	.00151	.00127	.0054	.095	.0028	.233	.00096	.0020	.396
%RSD	.11112	.72346	.49008	.33022	.14176	.23666	.40886	.18603	.07322	.45299
#1	.48169	.20740	.26028	1.6365	67.374	1.1686	56.714	.51532	2.7180	87.708
#2	.48245	.20954	.25848	1.6442	67.239	1.1725	57.043	.51667	2.7152	87.148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50961**	W **10.697**	**.52407**	**17.918**	**.51389**	**2.2039**	**12.649**	**27.068**	W **2.0078**	**1.0479**
Stddev	.00382	.009	.00330	.014	.00377	.0224	.024	.052	.0143	.0013
%RSD	.75028	.08770	.63040	.07854	.73393	1.0150	.19030	.19030	.71010	.12394
#1	.50690	10.704	.52174	17.908	.51123	2.1881	12.632	27.032	1.9977	1.0488
#2	.51231	10.690	.52641	17.928	.51656	2.2197	12.666	27.105	2.0179	1.0470
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89151**	**.91717**	**1.8992**	**2.2988**	**.47733**	**.44420**	**.45816**
Stddev	.00268	.00180	.0161	.0204	.00044	.00263	.00123
%RSD	.30028	.19611	.84844	.88981	.09305	.59104	.26854
#1	.88962	.91590	1.8878	2.3132	.47764	.44235	.45903
#2	.89340	.91844	1.9106	2.2843	.47702	.44606	.45729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6765.5**	**102530.**	**5139.7**
Stddev	1.3	469.	29.4
%RSD	.01985	.45741	.57131
#1	6764.5	102860.	5160.5
#2	6766.4	102190.	5119.0

Sample Name: 280-48995-a-3-I msd Acquired: 11/16/2013 12:16:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04721**	W **2.5744**	W **2.9422**	**1.0918**	**1.1098**	**2.1309**	**.04876**	F **2.2181**	**80.525**	**.09941**
Stddev	.00009	.0023	.0273	.0016	.0024	.0121	.00009	.0017	.673	.00014
%RSD	.18468	.08895	.92841	.14514	.21470	.56683	.19411	.07835	.83541	.13647
#1	.04727	2.5727	2.9616	1.0930	1.1082	2.1395	.04883	2.2168	81.001	.09950
#2	.04715	2.5760	2.9229	1.0907	1.1115	2.1224	.04870	2.2193	80.049	.09931
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		2.5000	500.00					.10000		
Low Limit		-.05000	3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48469**	**.20808**	**.26021**	**1.6543**	**66.926**	**1.1666**	**57.187**	**.51843**	**2.7406**	**87.562**
Stddev	.00033	.00002	.00016	.0079	.556	.0043	.277	.00123	.0005	.106
%RSD	.06803	.00958	.06198	.47678	.83014	.36827	.48446	.23641	.01875	.12132
#1	.48446	.20807	.26009	1.6487	67.319	1.1697	57.383	.51929	2.7403	87.487
#2	.48493	.20809	.26032	1.6599	66.533	1.1636	56.991	.51756	2.7410	87.638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50984**	W **10.767**	**.52244**	**18.044**	**.51536**	**2.2075**	**12.743**	**27.271**	W **2.0079**	**1.0458**
Stddev	.00076	.009	.00064	.006	.00292	.0028	.061	.131	.0006	.0060
%RSD	.14842	.08293	.12261	.03214	.56695	.12878	.48134	.48134	.02780	.56956
#1	.50931	10.760	.52290	18.040	.51330	2.2055	12.787	27.363	2.0075	1.0500
#2	.51038	10.773	.52199	18.048	.51743	2.2095	12.700	27.178	2.0083	1.0415
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89484**	**.92017**	**1.8969**	**2.3255**	**.47875**	**.44576**	**.46244**
Stddev	.00329	.00439	.0032	.0251	.00323	.00537	.00122
%RSD	.36774	.47723	.16930	1.0808	.67389	1.2039	.26435
#1	.89717	.92328	1.8992	2.3078	.48103	.44956	.46330
#2	.89251	.91706	1.8947	2.3433	.47647	.44197	.46157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6758.6**	**101980.**	**5161.4**
Stddev	7.6	270.	27.3
%RSD	.11303	.26457	.52888
#1	6753.2	101790.	5142.1
#2	6764.0	102170.	5180.7

Sample Name: CCVH-2382126 Acquired: 11/16/2013 12:19:05 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00999**	**50.182**	**.00073**	**.00559**	**.00077**	**-.00007**	W **1.0909**	**.00765**	**.00094**	**-.00054**	**.00037**	**.02026**
Stddev	.00027	.051	.00078	.00041	.00017	.00007	.0018	.00069	.00008	.00011	.00001	.00025
%RSD	2.6683	.10071	106.53	7.2502	22.543	98.343	.16669	9.0876	8.8410	20.008	2.3655	1.2174
#1	-.00980	50.217	.00128	.00588	.00090	-.00002	1.0922	.00814	.00100	-.00062	.00037	.02044
#2	-.01018	50.146	.00018	.00530	.00065	-.00012	1.0896	.00716	.00088	-.00046	.00038	.02009
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.014**	**.08896**	**.00222**	**.07403**	**.00099**	**.01078**	F **316.62**	**-.00057**	**.00499**	**.00406**	**5.1170**	**-.00578**
Stddev	.006	.01935	.00206	.00172	.00001	.00221	.02	.00004	.00085	.00180	.0080	.00016
%RSD	.01222	21.753	92.693	2.3199	1.0170	20.493	.00572	6.5712	16.972	44.368	.15689	2.8344
#1	47.010	.10265	.00076	.07282	.00098	.00922	316.63	-.00059	.00439	.00533	5.1227	-.00567
#2	47.018	.07528	.00367	.07524	.00100	.01235	316.61	-.00054	.00559	.00278	5.1113	-.00590
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00353**	**-.00756**	**.00162**	**.00046**	W **4.4937**	**.01932**	**.00213**	F **11.289**	**.00317**	**.00223**	**-.07552**
Stddev	.00156	.00933	.01996	.00014	.00023	.0039	.00008	.00223	.029	.00029	.00013	.00014
%RSD	552.07	264.14	264.14	8.6051	50.771	.08558	.40292	104.45	.25390	9.1157	5.8286	.18219
#1	.00082	.00306	.00656	.00152	.00062	4.4910	.01927	.00056	11.269	.00296	.00232	-.07542
#2	-.00139	-.01013	-.02167	.00172	.00029	4.4964	.01938	.00370	11.309	.00337	.00214	-.07561
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6839.2**	**102350.**	**5054.7**
Stddev	26.8	28.	5.5
%RSD	.39241	.02722	.10947
#1	6858.2	102370.	5058.6
#2	6820.2	102330.	5050.8

Sample Name: CCV-2372889 Acquired: 11/16/2013 12:21:31 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49040**	**.52793**	**1.0681**	**.54981**	**.53513**	**.49910**	**-.00599**	**4.9671**	**.50446**	**.51150**	**.53217**	**.50973**
Stddev	.00276	.01444	.0032	.00530	.00257	.00235	.00130	.0046	.00157	.00092	.00056	.00094
%RSD	.56181	2.7350	.29883	.96377	.48066	.47122	21.652	.09292	.31087	.18002	.10574	.18480
#1	.48845	.53814	1.0659	.54606	.53331	.49744	-.00507	4.9704	.50335	.51085	.53257	.50907
#2	.49235	.51772	1.0704	.55355	.53695	.50077	-.00691	4.9639	.50557	.51215	.53177	.51040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4256**	F **62.520**	F **1.1621**	**18.289**	**.49657**	**.53053**	F **5.7774**	**.53888**	**1.0580**	W **1.1043**	**.02717**	**1.0604**
Stddev	.0082	.386	.0042	.013	.00029	.00057	.0140	.00153	.0020	.0011	.01444	.0007
%RSD	.33863	.61690	.36144	.07191	.05894	.10721	.24147	.28451	.18550	.10033	53.147	.06913
#1	2.4197	62.247	1.1591	18.279	.49637	.53093	5.7675	.53996	1.0594	1.1035	.03738	1.0599
#2	2.4314	62.793	1.1651	18.298	.49678	.53013	5.7872	.53780	1.0567	1.1051	.01696	1.0609
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value		50.000	1.0000				5.0000			1.0000		
Range		10.490%	10.490%				10.490%			10.000%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0981**	**4.7793**	**10.228**	**1.0474**	**.50526**	**.00871**	**.45769**	**1.0370**	**-.01430**	**.48429**	**.45231**	**.47681**
Stddev	.0014	.0365	.078	.0022	.00192	.00002	.00057	.0010	.02466	.00183	.00523	.00070
%RSD	.12690	.76378	.76378	.20805	.37941	.27663	.12383	.09449	172.47	.37873	1.1560	.14619
#1	1.0971	4.7535	10.173	1.0489	.50390	.00873	.45809	1.0376	.00314	.48559	.45601	.47731
#2	1.0991	4.8052	10.283	1.0458	.50661	.00869	.45729	1.0363	-.03174	.48300	.44861	.47632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.0**	**104060.**	**5088.4**
Stddev	11.5	125.	16.6
%RSD	.16762	.12024	.32559
#1	6854.8	104140.	5100.1
#2	6871.1	103970.	5076.7

Sample Name: CCB Acquired: 11/16/2013 12:23:40 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00057**	**-.00050**	**.00319**	**.00020**	**.00000**	**-.00189**	**.00179**	**.00024**	**-.00010**	**.00011**
Stddev	.00000	.00019	.00025	.00024	.00008	.0000	.00013	.00373	.00024	.00005	.00009
%RSD	2.3977	32.659	50.998	7.6643	39.574	3587.8	7.0750	208.08	102.12	51.140	79.327
#1	-.00011	.00070	-.00067	.00302	.00026	-.00002	-.00199	-.00085	.00041	-.00007	.00005
#2	-.00011	.00044	-.00032	.00336	.00015	.00002	-.00180	.00444	.00007	-.00014	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00188**	**.00218**	**-.00463**	**.00127**	**.00037**	**.00002**	**.00290**	W **.11272**	**-.00003**	**.00083**	**-.00074**
Stddev	.00000	.00002	.02488	.00010	.00032	.00004	.00072	.00557	.00012	.00022	.00056
%RSD	.10134	.74271	536.86	7.5466	87.265	190.36	24.894	4.9389	452.80	27.047	75.412
#1	-.00188	.00219	-.02223	.00134	.00014	-.00001	.00239	.10878	.00006	.00067	-.00114
#2	-.00188	.00217	.01296	.00120	.00059	.00005	.00341	.11665	-.00011	.00098	-.00035
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01556**	**.00171**	**.00431**	**-.00853**	**-.01826**	**.00091**	**-.00004**	**.00096**	**.00000**	**-.00087**	**.02135**
Stddev	.00351	.00049	.00096	.00739	.01582	.00036	.00007	.00104	.00020	.00008	.01631
%RSD	22.582	28.788	22.276	86.667	86.667	39.188	186.81	108.88	15875.	9.4255	76.369
#1	.01308	.00137	.00499	-.00330	-.00707	.00117	.00001	.00170	.00014	-.00092	.00982
#2	.01805	.00206	.00363	-.01376	-.02944	.00066	-.00008	.00022	-.00014	-.00081	.03288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00104**	**.00292**	F **.00590**
Stddev	.00003	.00036	.00161
%RSD	2.4176	12.463	27.356
#1	-.00103	.00266	.00476
#2	-.00106	.00317	.00704
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6943.5**	**106460.**	**4930.2**
Stddev	13.2	99.	7.9
%RSD	.18982	.09306	.16068
#1	6934.2	106530.	4935.8
#2	6952.8	106390.	4924.6

Sample Name: CCVL2383195 Acquired: 11/16/2013 12:26:01 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01030**	**.11078**	**.01569**	**.11591**	**.01112**	**.00095**	**.12777**	**.20477**	**.00544**	**.01100**	**.01131**	**.01474**	**.10186**
Stddev	.00046	.00031	.00286	.00059	.00006	.00013	.00147	.00482	.00023	.00006	.00012	.00029	.00199
%RSD	4.4846	.27543	18.221	.50986	.51997	13.418	1.1518	2.3552	4.1944	.54623	1.0312	1.9398	1.9541
#1	.00997	.11056	.01771	.11549	.01108	.00086	.12881	.20136	.00561	.01096	.01139	.01494	.10046
#2	.01063	.11099	.01367	.11633	.01116	.00104	.12673	.20818	.00528	.01104	.01122	.01454	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8545**	**.01030**	**.19893**	**.01033**	**.02201**	**1.2648**	**.04625**	**3.2064**	**.01098**	**.01163**	**.01062**	**.01653**	**.48647**
Stddev	.0396	.00001	.00023	.00008	.00012	.0034	.00030	.0038	.00050	.00109	.00237	.00174	.00269
%RSD	1.0267	.05527	.11518	.74404	.55511	.27274	.63950	.11942	4.5140	9.3914	22.290	10.525	.55255
#1	3.8265	.01030	.19909	.01038	.02192	1.2623	.04646	3.2091	.01133	.01085	.01229	.01530	.48457
#2	3.8825	.01030	.19877	.01027	.02210	1.2672	.04604	3.2037	.01063	.01240	.00895	.01776	.48837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0410**	**.11197**	**.01037**	**.01342**	**.00937**	**.01681**	F **.09231**	**.00922**	**.02186**	**.01907**
Stddev	.0057	.00046	.00015	.00003	.00003	.00058	.00857	.00006	.00026	.00236
%RSD	.55255	.40960	1.4111	.21265	.30640	3.4655	9.2877	.66152	1.1726	12.384
#1	1.0370	.11164	.01026	.01344	.00935	.01640	.09837	.00917	.02168	.02074
#2	1.0451	.11229	.01047	.01340	.00939	.01722	.08625	.00926	.02204	.01740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7071.9**	**108300.**	**5149.2**
Stddev	4.6	397.	38.2
%RSD	.06457	.36644	.74240
#1	7075.1	108580.	5176.3
#2	7068.6	108020.	5122.2

Sample Name: 280-49176-b-1-g Acquired: 11/16/2013 12:28:21 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.09052**	**-.00030**	**.24711**	**.11858**	**-.00016**	**-.00190**	**133.90**	**.00074**	**-.00016**
Stddev	.00005	.00037	.00083	.00154	.00028	.00007	.00164	.85	.00004	.00001
%RSD	20.232	.41143	277.04	.62400	.23874	43.420	86.362	.63440	4.8131	5.0130
#1	.00022	.09078	-.00089	.24602	.11838	-.00011	-.00074	133.30	.00072	-.00015
#2	.00029	.09025	.00029	.24820	.11878	-.00021	-.00306	134.50	.00077	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00107**	**.18474**	**5.6160**	**.05269**	**34.491**	**.10501**	**.00444**	**228.73**	**.00163**
Stddev	.00005	.00012	.00342	.0279	.00026	.078	.00021	.00047	2.29	.00019
%RSD	25.050	11.011	1.8519	.49680	.49484	.22487	.19832	10.562	1.0028	11.549
#1	.00017	.00115	.18716	5.5963	.05251	34.546	.10516	.00411	227.11	.00150
#2	.00024	.00099	.18232	5.6358	.05288	34.436	.10486	.00478	230.35	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06110**	**-.00040**	**137.28**	**-.00097**	**.00413**	**5.1690**	**11.062**	**.00000**	**1.8113**	**-.00056**
Stddev	.00201	.00016	.19	.00018	.00076	.0049	.010	.00054	.0098	.00061
%RSD	3.2827	39.018	.14130	18.297	18.365	.09458	.09458	25945.	.54130	107.78
#1	.05968	-.00029	137.14	-.00109	.00359	5.1725	11.069	.00038	1.8044	-.00013
#2	.06252	-.00051	137.42	-.00084	.00466	5.1656	11.054	-.00038	1.8182	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.00118**	**.04357**	**.00124**	**.00637**	**.00256**
Stddev	.00001	.00090	.01880	.00001	.00021	.00283
%RSD	.64415	75.870	43.142	.88906	3.3661	110.21
#1	.00168	.00181	.03028	.00125	.00652	.00456
#2	.00169	.00055	.05687	.00123	.00622	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6547.6**	**98618.**	**5007.9**
Stddev	10.5	415.	36.0
%RSD	.16023	.42092	.71953
#1	6540.2	98324.	5033.4
#2	6555.0	98911.	4982.4

Sample Name: 280-49176-b-1-h ms Acquired: 11/16/2013 12:30:43 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04849**	**1.9658**	**1.1539**	**1.3694**	**2.2821**	**.04927**	F **2.2966**	**181.76**	**.10357**	**.49223**
Stddev	.00019	.0062	.0088	.0071	.0278	.00006	.0084	1.87	.00042	.00035
%RSD	.39374	.31575	.76628	.51796	1.2160	.11179	.36547	1.0298	.40730	.07153
#1	.04836	1.9702	1.1602	1.3744	2.3017	.04923	2.3026	183.09	.10387	.49248
#2	.04863	1.9614	1.1477	1.3643	2.2624	.04930	2.2907	180.44	.10327	.49198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21500**	**.26541**	**1.1372**	**71.585**	**1.2763**	**79.691**	**.58920**	**1.0734**	**296.68**	**.52131**
Stddev	.00202	.00010	.0038	.763	.0127	.151	.00116	.0001	3.43	.00301
%RSD	.94146	.03624	.33171	1.0660	.99146	.18936	.19665	.01168	1.1560	.57681
#1	.21643	.26547	1.1345	72.125	1.2852	79.584	.58838	1.0733	299.10	.52343
#2	.21357	.26534	1.1398	71.046	1.2673	79.797	.59002	1.0735	294.25	.51918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.319**	**.52295**	**141.35**	**.55304**	**2.3356**	**15.153**	**32.427**	W **2.0580**	**2.8767**	**.90885**
Stddev	.008	.00681	.24	.00761	.0146	.004	.010	.0116	.0337	.00504
%RSD	.07255	1.3022	.16907	1.3757	.62496	.02938	.02938	.56533	1.1719	.55441
#1	11.314	.52776	141.19	.55842	2.3459	15.150	32.420	2.0662	2.9005	.90529
#2	11.325	.51813	141.52	.54766	2.3253	15.156	32.434	2.0498	2.8528	.91242
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93258**	**1.8504**	**2.3764**	**.49008**	**.43616**	**.47017**
Stddev	.00038	.0105	.0095	.00173	.00335	.00088
%RSD	.04061	.56961	.40144	.35251	.76814	.18792
#1	.93285	1.8579	2.3832	.48886	.43379	.46954
#2	.93231	1.8430	2.3697	.49130	.43852	.47079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6491.9**	**99202.**	**5188.3**
Stddev	18.4	107.	81.7
%RSD	.28271	.10794	1.5746
#1	6478.9	99126.	5130.5
#2	6504.8	99277.	5246.1

Sample Name: 280-49176-b-1-i msd Acquired: 11/16/2013 12:32:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04830**	**1.9388**	**1.1593**	**1.3819**	**2.2455**	**.04900**	F **2.3080**	**177.43**	**.10352**	**.49160**
Stddev	.00020	.0110	.0085	.0034	.0156	.00009	.0062	.81	.00037	.00086
%RSD	.41046	.56910	.73166	.24399	.69316	.19078	.26926	.45402	.35365	.17582
#1	.04844	1.9466	1.1533	1.3795	2.2565	.04907	2.3036	178.00	.10326	.49098
#2	.04816	1.9310	1.1653	1.3843	2.2345	.04893	2.3124	176.86	.10378	.49221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21338**	**.26602**	**1.1075**	**70.370**	**1.2533**	**78.307**	**.58256**	**1.0742**	**292.08**	**.51811**
Stddev	.00015	.00071	.0023	.219	.0105	.057	.00023	.0002	.90	.00007
%RSD	.06823	.26703	.20631	.31076	.83832	.07336	.03922	.01480	.30657	.01330
#1	.21328	.26552	1.1091	70.525	1.2608	78.348	.58272	1.0744	292.71	.51816
#2	.21348	.26652	1.1059	70.216	1.2459	78.267	.58240	1.0741	291.45	.51806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.375**	**.51833**	**142.78**	**.55108**	**2.3531**	**15.014**	**32.130**	W **2.0393**	**2.8266**	**.90303**
Stddev	.028	.00045	.32	.00071	.0065	.006	.012	.0038	.0221	.00059
%RSD	.25023	.08669	.22457	.12934	.27672	.03742	.03742	.18732	.78301	.06547
#1	11.355	.51802	142.56	.55058	2.3484	15.018	32.139	2.0420	2.8423	.90262
#2	11.395	.51865	143.01	.55159	2.3577	15.010	32.122	2.0366	2.8110	.90345
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92506**	**1.8417**	**2.4303**	**.48580**	**.42297**	**.46915**
Stddev	.00192	.0004	.0662	.00063	.00057	.00134
%RSD	.20799	.02041	2.7226	.12946	.13373	.28534
#1	.92370	1.8420	2.3836	.48536	.42257	.47010
#2	.92642	1.8415	2.4771	.48625	.42337	.46821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6545.8**	**101260.**	**5486.8**
Stddev	24.0	104.	21.0
%RSD	.36694	.10253	.38360
#1	6528.8	101190.	5471.9
#2	6562.8	101340.	5501.7

Sample Name: 280-49176-a-2-a Acquired: 11/16/2013 12:35:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.12500**	**.00067**	**.27650**	**.11833**	**.00001**	**-.00230**	**142.93**	**.00087**	**-.00027**
Stddev	.00023	.00018	.00149	.00185	.00135	.00004	.00060	.52	.00015	.00005
%RSD	107.85	.14524	223.23	.66965	1.1411	392.44	26.153	.36121	17.508	17.032
#1	.00005	.12487	.00172	.27519	.11928	.00004	-.00188	143.29	.00097	-.00030
#2	.00038	.12513	-.00039	.27781	.11737	-.00002	-.00273	142.56	.00076	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00060**	**.19306**	**5.8573**	**.05775**	**35.618**	**.16272**	**.00840**	**252.38**	**.00198**
Stddev	.00014	.00008	.00047	.0166	.00135	.112	.00014	.00082	1.52	.00023
%RSD	35.726	12.499	.24572	.28312	2.3383	.31464	.08839	9.7713	.60353	11.767
#1	.00028	.00066	.19340	5.8690	.05871	35.698	.16261	.00782	253.46	.00215
#2	.00047	.00055	.19273	5.8455	.05680	35.539	.16282	.00899	251.30	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06110**	**.00029**	**159.82**	**-.00182**	**.00545**	**5.2448**	**11.224**	**.00025**	**1.9298**	**.00288**
Stddev	.00215	.00116	.24	.00077	.00219	.0014	.003	.00027	.0061	.00019
%RSD	3.5216	401.53	.14784	42.243	40.156	.02742	.02742	106.98	.31772	6.7128
#1	.05958	-.00053	159.99	-.00237	.00390	5.2438	11.222	.00045	1.9341	.00301
#2	.06262	.00111	159.66	-.00128	.00699	5.2458	11.226	.00006	1.9255	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	**.00023**	**.06012**	**.00132**	**.00726**	**.00479**
Stddev	.00043	.00069	.01195	.00011	.00011	.00047
%RSD	13.659	296.11	19.883	8.1861	1.5040	9.7884
#1	.00282	.00072	.05167	.00124	.00733	.00512
#2	.00342	-.00025	.06858	.00139	.00718	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6667.2**	**102890.**	**5472.8**
Stddev	22.7	263.	1.8
%RSD	.33978	.25539	.03377
#1	6683.2	102710.	5471.5
#2	6651.1	103080.	5474.1

Sample Name: 280-49176-a-3-a Acquired: 11/16/2013 12:37:22 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.11638**	**-.00128**	**.27477**	**.11727**	**-.00003**	**-.00301**	**142.73**	**.00089**	**-.00019**
Stddev	.00008	.00153	.00029	.00155	.00005	.00007	.00079	.81	.00018	.00019
%RSD	26.136	1.3158	22.890	.56351	.03959	202.55	26.306	.57032	20.526	101.28
#1	-.00026	.11747	-.00149	.27368	.11731	.00001	-.00357	142.16	.00076	-.00005
#2	-.00038	.11530	-.00108	.27587	.11724	-.00008	-.00245	143.31	.00101	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00152**	**.18302**	**5.7835**	**.05532**	**35.333**	**.16170**	**.00477**	**251.13**	**.00191**
Stddev	.00002	.00050	.00296	.0144	.00028	.062	.00000	.00041	2.22	.00010
%RSD	7.2309	32.663	1.6198	.24843	.50808	.17436	.00271	8.6084	.88430	5.2695
#1	.00029	.00187	.18512	5.7936	.05512	35.290	.16170	.00448	249.56	.00198
#2	.00032	.00117	.18092	5.7733	.05552	35.377	.16170	.00506	252.70	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05873**	**-.00010**	**159.98**	**-.00093**	**.00419**	**5.2073**	**11.144**	**.00003**	**1.9235**	**.00104**
Stddev	.00081	.00035	.51	.00176	.00022	.0034	.007	.00043	.0124	.00078
%RSD	1.3855	361.16	.32135	189.23	5.1489	.06589	.06589	1298.7	.64207	74.627
#1	.05931	.00015	159.62	-.00218	.00434	5.2049	11.138	-.00027	1.9147	.00049
#2	.05816	-.00034	160.34	.00032	.00403	5.2097	11.149	.00034	1.9322	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**-.00001**	**.03747**	**.00123**	**.00784**	**.00509**
Stddev	.00000	.00046	.01034	.00009	.00048	.00171
%RSD	.05281	4030.6	27.588	7.2739	6.0664	33.696
#1	.00203	-.00034	.03016	.00129	.00818	.00388
#2	.00202	.00031	.04478	.00117	.00751	.00630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6591.3**	**101500.**	**5344.4**
Stddev	6.4	227.	18.4
%RSD	.09757	.22348	.34516
#1	6586.7	101340.	5357.5
#2	6595.8	101660.	5331.4

Sample Name: 280-49176-a-4-a Acquired: 11/16/2013 12:39:43 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.20213**	**-.00162**	**.29509**	**.11415**	**.00003**	**-.00069**	**147.98**	**.00093**	**-.00020**
Stddev	.00013	.00035	.00130	.00009	.00154	.00005	.00045	1.32	.00009	.00025
%RSD	122.22	.17550	80.451	.02907	1.3483	148.14	64.863	.89121	9.5051	124.00
#1	-.00001	.20188	-.00254	.29503	.11524	.00000	-.00037	148.92	.00100	-.00038
#2	-.00019	.20238	-.00070	.29515	.11306	.00006	-.00101	147.05	.00087	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00119**	**.24974**	**5.8000**	**.05931**	**36.227**	**.21952**	**.00456**	**266.44**	**.00205**
Stddev	.00003	.00004	.00399	.0774	.00242	.161	.00067	.00024	2.64	.00008
%RSD	8.9186	3.2032	1.5979	1.3346	4.0770	.44399	.30578	5.3360	.98913	3.8715
#1	.00033	.00122	.25256	5.8548	.06102	36.340	.22000	.00438	268.30	.00210
#2	.00037	.00116	.24692	5.7453	.05760	36.113	.21905	.00473	264.58	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05964**	**-.00087**	**172.74**	**-.00036**	**.00334**	**5.3174**	**11.379**	**-.00002**	**1.9728**	**-.00001**
Stddev	.00146	.00085	.25	.00047	.00063	.0518	.111	.00014	.0215	.00104
%RSD	2.4425	97.044	.14187	130.38	18.900	.97406	.97406	604.46	1.0917	7319.5
#1	.05861	-.00027	172.92	-.00003	.00289	5.3540	11.458	-.00012	1.9881	.00072
#2	.06067	-.00147	172.57	-.00070	.00378	5.2807	11.301	.00008	1.9576	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00449**	**.00000**	**.07432**	**.00119**	**.00582**	**.00563**
Stddev	.00048	.00168	.02837	.00018	.00029	.00157
%RSD	10.701	1464900.	38.177	15.463	4.9025	27.927
#1	.00483	.00118	.09438	.00132	.00562	.00674
#2	.00415	-.00118	.05425	.00106	.00602	.00452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6522.8**	**100190.**	**5262.9**
Stddev	21.0	481.	6.2
%RSD	.32210	.48048	.11741
#1	6508.0	99852.	5267.3
#2	6537.7	100530.	5258.5

Sample Name: 280-49172-a-1-a Acquired: 11/16/2013 12:42:03 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201046 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**1.3645**	**.00077**	**.43500**	**.02843**	**-.00006**	**-.00515**	**285.93**	**.00141**	**-.00013**
Stddev	.00007	.0075	.00101	.00126	.00039	.00004	.00012	5.10	.00000	.00013
%RSD	42.020	.55148	130.29	.28855	1.3784	72.275	2.2372	1.7832	.14843	99.898
#1	-.00012	1.3592	.00006	.43412	.02815	-.00009	-.00523	282.32	.00141	-.00022
#2	-.00022	1.3698	.00149	.43589	.02870	-.00003	-.00507	289.53	.00141	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06168**	**.00371**	**1.5964**	**2.4496**	**.02214**	**166.09**	**.05691**	**.01241**	**461.69**	**.00873**
Stddev	.00018	.00007	.0039	.0250	.00399	1.44	.00033	.00004	2.16	.00026
%RSD	.28947	1.7828	.24687	1.0204	18.014	.86800	.58444	.34968	.46719	3.0133
#1	.06156	.00376	1.5936	2.4319	.01932	167.11	.05714	.01244	460.16	.00854
#2	.06181	.00367	1.5992	2.4673	.02496	165.07	.05667	.01238	463.21	.00891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10635**	**.00045**	F **448.41**	**-.00042**	**.01225**	**13.574**	**29.049**	**-.00031**	**4.5182**	**.00182**
Stddev	.00233	.00076	1.81	.00064	.00346	.002	.004	.00010	.0150	.00125
%RSD	2.1897	167.29	.40346	150.51	28.235	.01271	.01271	32.566	.33141	68.936
#1	.10470	.00099	447.13	.00003	.01469	13.573	29.046	-.00038	4.5076	.00270
#2	.10799	-.00008	449.69	-.00087	.00980	13.575	29.051	-.00024	4.5288	.00093
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06822**	**-.00032**	**.05771**	**.00330**	**.02564**	**.00427**
Stddev	.00074	.00050	.00290	.00009	.00021	.00224
%RSD	1.0856	158.06	5.0286	2.5936	.80543	52.381
#1	.06770	-.00067	.05566	.00324	.02578	.00586
#2	.06875	.00004	.05976	.00336	.02549	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6369.6**	**100020.**	**5577.1**
Stddev	18.0	399.	55.0
%RSD	.28269	.39884	.98542
#1	6382.3	99737.	5538.3
#2	6356.9	100300.	5616.0

Sample Name: CCVH-2382126 Acquired: 11/16/2013 12:44:35 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00983**	**49.787**	**-.00169**	**.00458**	**.00048**	**-.00008**	F **1.1163**	**.04533**	**.00110**	**-.00065**	**.00008**	**.02012**
Stddev	.00028	.052	.00030	.00021	.00004	.00005	.0034	.00816	.00014	.00005	.00002	.00010
%RSD	2.8475	.10402	17.646	4.6674	8.9643	65.510	.30814	18.005	12.630	7.3095	25.976	.52132
#1	-.01002	49.750	-.00190	.00443	.00045	-.00012	1.1139	.05110	.00100	-.00068	.00010	.02004
#2	-.00963	49.823	-.00148	.00474	.00051	-.00004	1.1187	.03955	.00120	-.00062	.00007	.02019
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.857**	**.05933**	**.00106**	**.10280**	**.00100**	**.00056**	F **316.28**	**-.00021**	**.00165**	**.00306**	W **5.2862**	**-.00404**
Stddev	.363	.04361	.00092	.00896	.00009	.00014	.39	.00006	.00014	.00037	.0006	.00242
%RSD	.77388	73.513	86.356	8.7138	8.9856	25.139	.12237	28.535	8.3811	12.254	.01136	59.934
#1	47.113	.09017	.00041	.09647	.00093	.00046	316.56	-.00017	.00155	.00333	5.2858	-.00576
#2	46.601	.02849	.00171	.10914	.00106	.00066	316.01	-.00025	.00175	.00279	5.2866	-.00233
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00605**	**.00250**	**.00535**	**.00049**	**.00113**	W **4.5186**	**.01877**	**.00076**	F **11.516**	**.00293**	**.00141**	**-.07404**
Stddev	.00183	.00163	.00349	.00044	.00018	.0204	.00024	.00062	.042	.00035	.00007	.00155
%RSD	30.190	65.129	65.129	91.531	15.843	.45208	1.3019	81.438	.36054	11.862	4.7821	2.0919
#1	-.00476	.00365	.00782	.00017	.00125	4.5042	.01894	.00032	11.486	.00318	.00137	-.07295
#2	-.00735	.00135	.00289	.00080	.00100	4.5330	.01859	.00119	11.545	.00268	.00146	-.07514
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6985.5**	**107330.**	**5535.8**
Stddev	8.6	421.	31.3
%RSD	.12377	.39246	.56508
#1	6991.6	107630.	5557.9
#2	6979.3	107030.	5513.7

Sample Name: CCV-2372889 Acquired: 11/16/2013 12:46:59 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49292**	**.51402**	**1.0745**	F **.55912**	**.54068**	**.50166**	**-.00924**	**4.9589**	**.51150**	**.51513**	**.53571**	**.51603**
Stddev	.00059	.00035	.0014	.00342	.00089	.00181	.00114	.0007	.00026	.00045	.00042	.00008
%RSD	.11998	.06832	.12774	.61173	.16433	.36101	12.316	.01438	.05012	.08738	.07780	.01478
#1	.49334	.51377	1.0735	.55670	.54005	.50038	-.00844	4.9584	.51168	.51544	.53600	.51598
#2	.49250	.51427	1.0754	.56153	.54131	.50294	-.01005	4.9594	.51131	.51481	.53541	.51609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.490%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4213**	F **62.669**	F **1.1670**	**18.147**	**.49319**	**.53178**	F **5.8693**	**.54384**	**1.0621**	W **1.1041**	**.05448**	**1.0838**
Stddev	.0021	.124	.0024	.002	.00030	.00249	.0424	.00456	.0055	.0047	.00109	.0018
%RSD	.08629	.19760	.20355	.00996	.06179	.46816	.72218	.83822	.51467	.42812	1.9997	.16922
#1	2.4199	62.581	1.1653	18.146	.49297	.53002	5.8993	.54062	1.0583	1.1007	.05525	1.0851
#2	2.4228	62.756	1.1686	18.149	.49340	.53354	5.8393	.54706	1.0660	1.1074	.05371	1.0825
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value		50.000	1.0000				5.0000			1.0000		
Range		10.490%	10.490%				10.490%			10.000%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1162**	**4.7456**	**10.155**	**1.0457**	**.51177**	**.00688**	**.46001**	**1.0447**	**.04756**	**.48478**	F **.44259**	**.48145**
Stddev	.0100	.0061	.013	.0044	.00045	.00014	.00004	.0021	.00562	.00156	.00137	.00069
%RSD	.89788	.12879	.12879	.42480	.08777	2.0418	.00905	.20088	11.818	.32226	.31000	.14397
#1	1.1091	4.7499	10.165	1.0426	.51209	.00678	.45998	1.0432	.05154	.48367	.44356	.48194
#2	1.1233	4.7412	10.146	1.0489	.51146	.00698	.46004	1.0461	.04359	.48588	.44162	.48096
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value	1.0000										.50000	
Range	10.490%										-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6982.8**	**106810.**	**5303.3**
Stddev	1.2	48.	27.3
%RSD	.01777	.04485	.51442
#1	6981.9	106840.	5284.0
#2	6983.7	106770.	5322.6

Sample Name: CCB Acquired: 11/16/2013 12:49:08 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00035**	**.00152**	**.00327**	**.00012**	**-.00006**	**-.00126**	**.00980**	**.00024**	**-.00002**	**.00009**
Stddev	.00037	.00005	.00129	.00002	.00012	.00002	.00032	.00202	.00007	.00011	.00008
%RSD	230.65	15.158	85.044	.73654	100.30	30.105	25.648	20.599	30.056	431.51	92.066
#1	.00042	-.00031	.00244	.00329	.00020	-.00008	-.00103	.01122	.00019	.00005	.00014
#2	-.00010	-.00039	.00061	.00326	.00003	-.00005	-.00149	.00837	.00029	-.00010	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00192**	**.00027**	**-.02310**	W **.00275**	**.00084**	**.00002**	**.00188**	W **.15591**	**-.00021**	**.00058**	**.00107**
Stddev	.00008	.00150	.04114	.00183	.00082	.00004	.00031	.00108	.00013	.00083	.00024
%RSD	4.4169	561.50	178.06	66.312	97.541	159.01	16.546	.69521	60.985	142.55	22.683
#1	-.00186	.00133	.00599	.00146	.00026	.00000	.00166	.15668	-.00012	.00000	.00090
#2	-.00198	-.00080	-.05219	.00404	.00142	.00005	.00210	.15514	-.00030	.00117	.00124
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261				.09160			
Low Limit	-.00136			-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03453**	**.00088**	**.00343**	**.00011**	**.00024**	**.00024**	**.00012**	**.00070**	**-.00014**	**-.00093**	**-.00153**
Stddev	.00079	.00117	.00239	.00656	.01403	.00015	.00019	.00067	.00013	.00022	.00814
%RSD	2.2851	133.49	69.742	5907.7	5907.7	61.533	164.03	96.646	92.947	23.619	532.58
#1	.03509	.00005	.00511	.00475	.01016	.00013	.00025	.00118	-.00023	-.00109	-.00728
#2	.03397	.00170	.00174	-.00453	-.00968	.00034	-.00002	.00022	-.00005	-.00078	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00099**	**.00289**	F **.00539**
Stddev	.00017	.00000	.00132
%RSD	16.855	.11196	24.598
#1	-.00088	.00289	.00445
#2	-.00111	.00289	.00632
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7030.2**	**110030.**	**5282.6**
Stddev	3.2	22.	3.5
%RSD	.04594	.02005	.06672
#1	7032.5	110040.	5285.1
#2	7027.9	110010.	5280.1

Sample Name: CCVL2383195 Acquired: 11/16/2013 12:51:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.11172**	**.01755**	**.11712**	**.01099**	**.00103**	F **.13172**	**.20760**	**.00563**	**.01112**	**.01130**	**.01427**	**.10665**
Stddev	.00041	.00275	.00046	.00029	.00010	.00003	.00017	.00306	.00004	.00016	.00004	.00043	.00116
%RSD	4.0369	2.4600	2.6454	.24979	.92686	3.0710	.13083	1.4731	.65733	1.4588	.36033	3.0173	1.0856
#1	.00985	.11366	.01722	.11692	.01092	.00101	.13185	.20977	.00561	.01123	.01127	.01457	.10583
#2	.01043	.10978	.01788	.11733	.01106	.00105	.13160	.20544	.00566	.01101	.01133	.01397	.10747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8769**	**.01218**	**.19698**	**.01026**	**.02148**	**1.2767**	**.04588**	**3.2328**	**.01047**	**.03231**	**.00883**	**.01900**	**.48701**
Stddev	.0428	.00187	.00135	.00004	.00012	.0096	.00039	.0109	.00036	.01790	.00004	.00292	.00166
%RSD	1.1043	15.321	.68677	.36158	.57792	.75203	.84607	.33644	3.4054	55.381	.43531	15.394	.34181
#1	3.9072	.01086	.19794	.01029	.02157	1.2835	.04560	3.2251	.01072	.04497	.00886	.02107	.48583
#2	3.8466	.01349	.19603	.01024	.02139	1.2700	.04615	3.2405	.01022	.01966	.00880	.01693	.48819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0422**	**.11183**	**.01066**	**.01419**	**.00937**	**.01622**	F **.10280**	**.00911**	**.02101**	**.01837**
Stddev	.0036	.00047	.00008	.00064	.00016	.00115	.01485	.00013	.00017	.00026
%RSD	.34181	.42215	.76301	4.5249	1.7169	7.0808	14.444	1.3945	.80627	1.4018
#1	1.0397	.11149	.01072	.01464	.00926	.01541	.11330	.00902	.02113	.01856
#2	1.0447	.11216	.01061	.01374	.00949	.01703	.09230	.00920	.02089	.01819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7201.4**	**112190.**	**5413.0**
Stddev	10.3	180.	27.3
%RSD	.14335	.16061	.50456
#1	7194.1	112060.	5432.4
#2	7208.7	112320.	5393.7

Sample Name: mb 280-201102/1-a Acquired: 11/16/2013 12:53:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00592**	**-.00092**	**.00253**	**.00000**	**-.00008**	**-.00090**	**.01072**	**.00015**	**-.00016**
Stddev	.00016	.00008	.00031	.00007	.00033	.00001	.00116	.00046	.00000	.00004
%RSD	161.17	1.3738	33.866	2.8407	8811.3	14.832	129.29	4.3211	1.6410	27.410
#1	-.00001	.00598	-.00070	.00258	.00023	-.00007	-.00171	.01039	.00015	-.00013
#2	.00021	.00586	-.00114	.00247	-.00023	-.00009	-.00008	.01104	.00015	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00146**	W **.07076**	**-.00244**	**.00187**	**.00103**	**.00030**	**.00026**	**.10842**	**.00014**
Stddev	.00012	.00023	.00138	.01375	.00337	.00042	.00001	.00019	.00276	.00043
%RSD	51.861	15.565	1.9475	564.19	180.56	40.537	4.9946	74.311	2.5472	298.45
#1	.00015	-.00130	.07174	.00729	.00425	.00133	.00031	.00012	.10647	.00045
#2	.00032	-.00162	.06979	-.01216	-.00052	.00074	.00029	.00039	.11038	-.00016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**.00033**	**.02635**	**-.00187**	**-.00171**	**.01435**	**.03071**	**.00030**	**-.00004**	**.00145**
Stddev	.00224	.00007	.00395	.00054	.00046	.01067	.02284	.00021	.00011	.00131
%RSD	75.036	21.975	14.998	28.843	26.841	74.360	74.360	69.675	272.49	90.187
#1	.00140	.00028	.02355	-.00225	-.00203	.02190	.04686	.00015	.00004	.00053
#2	.00457	.00038	.02914	-.00149	-.00138	.00681	.01456	.00045	-.00012	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00082**	**.00825**	**-.00058**	**.00328**	**.00506**
Stddev	.00003	.00094	.01706	.00012	.00028	.00276
%RSD	22.746	114.77	206.92	20.229	8.6262	54.676
#1	-.00012	-.00015	.02031	-.00049	.00308	.00310
#2	-.00016	-.00148	-.00382	-.00066	.00348	.00701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7080.3**	**110920.**	**5380.6**
Stddev	19.9	141.	11.5
%RSD	.28173	.12740	.21417
#1	7094.4	110820.	5372.5
#2	7066.2	111020.	5388.8

Sample Name: lcs 280-201102/2-a Acquired: 11/16/2013 12:56:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04823**	**1.9565**	F **1.1261**	F **1.1276**	**2.1931**	**.05075**	**2.3337**	**48.722**	**.10359**	**.50862**
Stddev	.00004	.0001	.0015	.0007	.0175	.00007	.0015	.563	.00055	.00123
%RSD	.07544	.00430	.13689	.06081	.79667	.14721	.06408	1.1548	.52663	.24135
#1	.04826	1.9566	1.1250	1.1271	2.2054	.05081	2.3347	49.120	.10320	.50775
#2	.04820	1.9565	1.1272	1.1281	2.1807	.05070	2.3326	48.325	.10397	.50948
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1050	1.1050						
Low Limit			.87500	.86000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21753**	**.26793**	**1.0335**	F **64.911**	F **1.2035**	**46.648**	**.49738**	**1.0667**	F **66.364**	**.53596**
Stddev	.00041	.00015	.0005	.440	.0070	.173	.00135	.0004	.432	.00091
%RSD	.18725	.05569	.05015	.67758	.58006	.37026	.27172	.04227	.65101	.16922
#1	.21782	.26803	1.0331	65.222	1.2084	46.526	.49642	1.0670	66.058	.53532
#2	.21724	.26782	1.0338	64.600	1.1985	46.770	.49834	1.0664	66.669	.53660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.045**	F **.55031**	**.02086**	W **.54486**	F **2.3178**	**9.6595**	**20.671**	**2.0980**	**1.0349**	**.92971**
Stddev	.007	.00078	.00312	.00102	.0089	.0369	.079	.0037	.0070	.00278
%RSD	.06776	.14113	14.958	.18797	.38254	.38190	.38190	.17872	.67895	.29854
#1	11.040	.55086	.01865	.54559	2.3115	9.6856	20.727	2.0954	1.0398	.92775
#2	11.050	.54976	.02306	.54414	2.3241	9.6334	20.616	2.1007	1.0299	.93168
Check ?	Chk Pass	Chk Fail	None	Chk Warn	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.55000		.54000	2.2400					
Low Limit		.44500		.44000	1.7000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94010**	**2.0291**	F **2.4356**	**.49626**	**.44582**	**.47268**
Stddev	.00051	.0059	.0372	.00073	.00134	.00305
%RSD	.05424	.29243	1.5295	.14799	.30077	.64620
#1	.93974	2.0249	2.4092	.49678	.44487	.47052
#2	.94046	2.0333	2.4619	.49574	.44676	.47484
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6782.2**	**103440.**	**5229.0**
Stddev	1.2	126.	75.0
%RSD	.01807	.12198	1.4343
#1	6783.1	103530.	5175.9
#2	6781.3	103350.	5282.0

Sample Name: 280-49213-a-1-a Acquired: 11/16/2013 12:58:18 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00427**	**.00078**	**.26873**	**.05896**	**.00003**	**-.00256**	**154.05**	**.00130**	**-.00045**
Stddev	.00008	.00015	.00279	.00017	.00014	.00004	.00025	.21	.00003	.00017
%RSD	25.620	3.5958	358.01	.06301	.23948	129.04	9.8168	.13584	2.1175	37.439
#1	-.00035	.00416	-.00120	.26885	.05886	.00000	-.00274	154.20	.00132	-.00057
#2	-.00024	.00438	.00276	.26861	.05906	.00005	-.00238	153.90	.00128	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00075**	**.06458**	**6.8673**	**.11334**	**115.53**	**.00030**	**.00522**	**179.38**	**.00032**
Stddev	.00001	.00023	.00053	.0541	.00038	.34	.00001	.00118	.29	.00010
%RSD	1.2182	31.464	.82264	.78724	.33797	.29263	4.5556	22.542	.16230	32.625
#1	.00072	.00091	.06496	6.8291	.11307	115.77	.00031	.00438	179.59	.00025
#2	.00073	.00058	.06420	6.9055	.11361	115.29	.00029	.00605	179.18	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01818**	**-.00018**	**92.963**	**-.00156**	**.02217**	**9.4894**	**20.307**	**.00038**	**3.7826**	**.00419**
Stddev	.00074	.00004	.075	.00146	.00040	.0607	.130	.00033	.0071	.00023
%RSD	4.0705	21.148	.08039	93.706	1.7982	.63966	.63966	87.271	.18878	5.4912
#1	.01766	-.00020	92.910	-.00053	.02189	9.4464	20.215	.00014	3.7775	.00402
#2	.01871	-.00015	93.016	-.00259	.02246	9.5323	20.399	.00061	3.7876	.00435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00074**	**.01196**	**.01313**	**.00499**	**.00551**
Stddev	.00022	.00164	.00308	.00052	.00029	.00248
%RSD	385.03	222.42	25.779	3.9587	5.7417	45.024
#1	-.00010	-.00042	.00978	.01350	.00479	.00726
#2	.00021	.00189	.01414	.01277	.00519	.00375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6414.7**	**97696.**	**5051.8**
Stddev	4.8	298.	31.9
%RSD	.07553	.30499	.63091
#1	6418.1	97906.	5029.3
#2	6411.3	97485.	5074.3

Sample Name: 280-49213-a-2-a Acquired: 11/16/2013 13:00:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00698**	**.00104**	**.28426**	**.05563**	**-.00010**	**-.00475**	**157.78**	**.00118**	**-.00040**
Stddev	.00015	.00071	.00144	.00188	.00004	.00001	.00140	.25	.00023	.00004
%RSD	50.220	10.210	138.35	.66202	.06835	5.8106	29.403	.15668	19.227	11.012
#1	.00019	.00648	.00002	.28293	.05565	-.00010	-.00376	157.95	.00134	-.00037
#2	.00039	.00749	.00206	.28559	.05560	-.00010	-.00574	157.60	.00102	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00055**	**.06202**	**7.0138**	**.12013**	**118.32**	**.00036**	**.00195**	**174.30**	**.00061**
Stddev	.00013	.00023	.00176	.0086	.00001	.77	.00003	.00020	.59	.00045
%RSD	24.749	40.808	2.8307	.12199	.00626	.65146	8.2372	10.015	.33953	73.862
#1	.00043	.00071	.06327	7.0198	.12014	118.86	.00034	.00181	173.88	.00029
#2	.00061	.00039	.06078	7.0077	.12013	117.77	.00038	.00209	174.72	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01764**	**.00011**	**90.240**	**-.00200**	**.01944**	**9.3933**	**20.102**	**-.00002**	**3.9158**	**.00063**
Stddev	.00373	.00002	.624	.00000	.00590	.0049	.010	.00039	.0047	.00018
%RSD	21.117	21.697	.69112	.07841	30.323	.05209	.05209	2253.4	.12133	28.698
#1	.01501	.00010	90.681	-.00200	.01527	9.3898	20.094	-.00029	3.9191	.00075
#2	.02028	.00013	89.799	-.00200	.02361	9.3967	20.109	.00026	3.9124	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00099**	**.02191**	**.01168**	**.00479**	**.00255**
Stddev	.00010	.00007	.01673	.00021	.00046	.00220
%RSD	16.372	6.7221	76.369	1.7994	9.7024	86.084
#1	-.00067	.00104	.01008	.01183	.00512	.00100
#2	-.00053	.00094	.03374	.01153	.00446	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6458.0**	**98106.**	**5086.8**
Stddev	28.9	177.	16.5
%RSD	.44811	.18010	.32366
#1	6437.5	97981.	5075.1
#2	6478.4	98231.	5098.4

Sample Name: 280-49213-a-3-a Acquired: 11/16/2013 13:03:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00838	.00118	.21512	.02881	.00001	-.00301	160.39	.00127	-.00039
Stddev	.00000	.00016	.00012	.00103	.00045	.00005	.00069	.80	.00003	.00025
%RSD	3.1202	1.9619	10.409	.47849	1.5753	576.50	22.821	.50027	2.3065	65.793
#1	.00006	.00850	.00109	.21585	.02913	.00004	-.00350	160.95	.00125	-.00021
#2	.00006	.00827	.00126	.21439	.02849	-.00003	-.00253	159.82	.00129	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.00086	.06579	6.9424	.10441	110.84	.00053	.00082	219.78	.00053
Stddev	.00008	.00012	.00048	.0639	.00192	.02	.00004	.00009	.35	.00008
%RSD	16.218	13.990	.72768	.92067	1.8387	.01401	7.0897	11.276	.15989	14.470
#1	.00057	.00095	.06613	6.9876	.10305	110.83	.00050	.00076	220.02	.00048
#2	.00045	.00078	.06545	6.8972	.10576	110.85	.00056	.00089	219.53	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02000	-.00100	93.315	-.00133	.02105	10.585	22.652	-.00010	3.4311	.00095
Stddev	.00073	.00010	.318	.00032	.00290	.014	.030	.00007	.0152	.00045
%RSD	3.6618	10.363	.34054	23.970	13.764	.13100	.13100	66.839	.44219	47.350
#1	.02051	-.00108	93.090	-.00155	.02310	10.595	22.673	-.00005	3.4418	.00063
#2	.01948	-.00093	93.540	-.00110	.01900	10.575	22.631	-.00015	3.4204	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00080	-.00012	.02807	.02487	.00389	.00550
Stddev	.00029	.00190	.00120	.00091	.00002	.00108
%RSD	36.287	1555.4	4.2703	3.6471	.59981	19.546
#1	-.00101	-.00147	.02722	.02423	.00391	.00626
#2	-.00060	.00122	.02891	.02551	.00387	.00474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6461.3	98043.	5096.4
Stddev	25.6	9.	17.0
%RSD	.39610	.00938	.33299
#1	6443.2	98036.	5084.4
#2	6479.4	98049.	5108.4

Sample Name: 280-49213-a-5-a Acquired: 11/16/2013 13:05:32 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.01747**	**.02190**	**.38018**	**.24318**	**.00000**	**-.00264**	**453.21**	**.00169**	**.00773**
Stddev	.00043	.00014	.00150	.00075	.00120	.00008	.00043	3.02	.00003	.00033
%RSD	85.546	.77368	6.8682	.19657	.49424	1703.5	16.256	.66649	1.6327	4.3212
#1	-.00081	.01756	.02083	.38071	.24403	.00006	-.00234	455.35	.00167	.00796
#2	-.00020	.01737	.02296	.37965	.24234	-.00005	-.00295	451.08	.00171	.00749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00138**	**3.7929**	**49.800**	**.21953**	**301.09**	**2.5251**	**.00159**	W **3027.9**	**.02545**
Stddev	.00013	.00008	.0120	.160	.00154	2.90	.0113	.00003	22.7	.00013
%RSD	21.796	5.6280	.31512	.32227	.70084	.96294	.44548	1.9549	.74993	.49653
#1	.00071	.00133	3.7844	49.913	.21844	303.14	2.5330	.00161	3043.9	.02536
#2	.00052	.00144	3.8013	49.686	.22062	299.04	2.5171	.00157	3011.8	.02554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34344**	W **-.00314**	**74.798**	**.00344**	**.00419**	**12.105**	**25.904**	**.00076**	W **8.5357**	**.00163**
Stddev	.00047	.00014	.288	.00223	.00113	.012	.025	.00048	.0928	.00091
%RSD	.13642	4.4517	.38524	64.686	26.942	.09705	.09705	63.067	1.0869	55.903
#1	.34377	-.00304	75.002	.00501	.00499	12.096	25.886	.00110	8.6013	.00098
#2	.34311	-.00324	74.595	.00187	.00339	12.113	25.922	.00042	8.4701	.00227
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		10.000							5.0000	
Low Limit		-.00300							-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.00008**	**-.00926**	**.00403**	**.00689**	**.00231**
Stddev	.00013	.00047	.02354	.00017	.00022	.00021
%RSD	15.530	612.07	254.21	4.1031	3.1500	9.0112
#1	-.00075	-.00025	.00739	.00391	.00674	.00245
#2	-.00094	.00041	-.02590	.00414	.00704	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5533.9**	**81560.**	**4660.8**
Stddev	12.1	545.	36.7
%RSD	.21799	.66793	.78778
#1	5542.4	81175.	4686.8
#2	5525.4	81946.	4634.9

Sample Name: 280-49213-a-5-aSD@5 Acquired: 11/16/2013 13:08:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00824**	**.00593**	**.08296**	**.05113**	**-.00010**	**-.00210**	**97.555**	**.00114**	**.00131**
Stddev	.00020	.00010	.00192	.00001	.00060	.00010	.00160	.144	.00005	.00017
%RSD	119.59	1.1992	32.472	.01021	1.1735	100.90	76.231	.14750	4.8248	13.363
#1	-.00031	.00818	.00456	.08296	.05071	-.00018	-.00097	97.453	.00110	.00143
#2	-.00003	.00831	.00729	.08295	.05155	-.00003	-.00323	97.657	.00118	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00001**	**.81408**	**9.6517**	**.04378**	**62.114**	**.52637**	**-.00003**	W **612.99**	**.00581**
Stddev	.00015	.00011	.00404	.0822	.00314	.149	.00040	.00012	.27	.00043
%RSD	81.219	1081.5	.49645	.85159	7.1667	.23945	.07538	461.52	.04405	7.4414
#1	.00029	-.00007	.81693	9.5935	.04156	62.009	.52609	.00006	613.18	.00550
#2	.00008	.00009	.81122	9.7098	.04599	62.219	.52665	-.00011	612.80	.00611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07596**	**-.00084**	**14.657**	**-.00074**	**.00103**	**2.4800**	**5.3073**	**.00114**	**1.7708**	**.00083**
Stddev	.00120	.00047	.010	.00120	.00010	.0134	.0286	.00049	.0041	.00127
%RSD	1.5815	55.724	.06859	161.83	9.9895	.53883	.53883	43.285	.22902	152.13
#1	.07511	-.00118	14.650	.00011	.00110	2.4706	5.2871	.00079	1.7737	-.00006
#2	.07681	-.00051	14.664	-.00159	.00096	2.4895	5.3275	.00148	1.7680	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00062**	**-.00314**	**.00083**	**.00638**	**.00435**
Stddev	.00018	.00014	.00922	.00053	.00012	.00054
%RSD	107.16	22.996	294.02	63.903	1.9491	12.350
#1	-.00004	.00072	-.00965	.00045	.00630	.00473
#2	-.00030	.00052	.00338	.00120	.00647	.00397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6265.1**	**92467.**	**4701.6**
Stddev	8.4	217.	46.4
%RSD	.13375	.23510	.98644
#1	6259.1	92621.	4734.4
#2	6271.0	92313.	4668.8

Sample Name: 280-49213-a-5-b ms Acquired: 11/16/2013 13:11:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05661**	**1.8395**	W **2.5469**	**1.2383**	**1.4473**	**2.4619**	**.04955**	F **2.2888**	**493.72**	**.11114**
Stddev	.00025	.0031	.0245	.0059	.0001	.0044	.00008	.0019	1.19	.00007
%RSD	.44174	.16625	.96155	.47336	.00664	.18024	.15597	.08407	.24187	.05915
#1	.05679	1.8374	2.5643	1.2341	1.4472	2.4650	.04961	2.2902	494.56	.11119
#2	.05644	1.8417	2.5296	1.2424	1.4473	2.4587	.04950	2.2874	492.88	.11110
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48954**	**.21446**	**.27810**	**4.8269**	W **123.59**	**1.5608**	**349.77**	**3.0434**	**1.0684**	W **3143.0**
Stddev	.00037	.00024	.00083	.0228	.28	.0005	1.58	.0016	.0006	7.3
%RSD	.07653	.11011	.29853	.47263	.22755	.03112	.45171	.05159	.05116	.23360
#1	.48928	.21463	.27869	4.8430	123.79	1.5604	350.88	3.0423	1.0688	3148.2
#2	.48981	.21429	.27751	4.8108	123.40	1.5611	348.65	3.0445	1.0680	3137.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					100.00					500.00
Low Limit					-.50000					11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52877**	W **12.335**	**.49574**	**77.326**	**.55845**	**2.3799**	**22.430**	**48.001**	**1.9617**	W **9.7593**
Stddev	.00003	.011	.00083	.066	.00151	.0030	.054	.115	.0006	.0470
%RSD	.00473	.09283	.16704	.08519	.27007	.12488	.24041	.24041	.02870	.48167
#1	.52875	12.327	.49516	77.280	.55738	2.3820	22.469	48.083	1.9621	9.7925
#2	.52878	12.343	.49633	77.373	.55951	2.3778	22.392	47.919	1.9613	9.7261
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		2.0000								5.0000
Low Limit		-1.0000								-.01000

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95999**	**.96550**	**1.6418**	**2.3833**	**.51611**	**.45981**	**.48096**
Stddev	.00413	.00265	.0023	.0025	.00114	.00333	.00222
%RSD	.42978	.27424	.13895	.10525	.22043	.72379	.46059
#1	.96291	.96737	1.6434	2.3851	.51692	.46216	.47939
#2	.95708	.96362	1.6402	2.3815	.51531	.45745	.48253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5589.4**	**82053.**	**4680.4**
Stddev	12.3	538.	9.6
%RSD	.21996	.65519	.20587
#1	5580.7	81673.	4673.6
#2	5598.1	82433.	4687.2

Sample Name: 280-49213-a-5-c msd Acquired: 11/16/2013 13:14:29 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05433**	**1.7875**	W **2.4872**	**1.1974**	**1.4144**	**2.3911**	**.04761**	F **2.2099**	**486.91**	**.10786**
Stddev	.00002	.0014	.0016	.0011	.0020	.0266	.00013	.0045	8.43	.00048
%RSD	.03392	.07831	.06477	.09371	.13938	1.1101	.27686	.20325	1.7318	.44905
#1	.05435	1.7884	2.4860	1.1982	1.4158	2.3724	.04752	2.2131	480.95	.10820
#2	.05432	1.7865	2.4883	1.1966	1.4130	2.4099	.04770	2.2067	492.87	.10751
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47532**	**.20742**	**.26754**	**4.6662**	W **120.56**	**1.5201**	**342.31**	**2.9618**	**1.0378**	W **3078.9**
Stddev	.00348	.00074	.00088	.0162	1.32	.0173	1.69	.0056	.0019	32.8
%RSD	.73202	.35488	.33006	.34728	1.0911	1.1358	.49332	.18879	.18327	1.0648
#1	.47778	.20794	.26816	4.6547	119.63	1.5079	341.12	2.9579	1.0365	3055.7
#2	.47286	.20690	.26691	4.6776	121.49	1.5323	343.51	2.9658	1.0391	3102.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					100.00					500.00
Low Limit					-.50000					11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51199**	W **11.895**	**.47958**	**75.430**	**.54025**	**2.3060**	**21.650**	**46.332**	**1.9076**	W **9.4248**
Stddev	.00164	.056	.00033	.292	.00345	.0019	.012	.025	.0068	.1442
%RSD	.32097	.46844	.06841	.38778	.63810	.08002	.05438	.05438	.35780	1.5301
#1	.51315	11.855	.47981	75.223	.53781	2.3073	21.642	46.314	1.9124	9.3228
#2	.51083	11.934	.47934	75.637	.54268	2.3047	21.659	46.350	1.9028	9.5268
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		2.0000								5.0000
Low Limit		-1.0000								-.01000

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93485**	**.93738**	**1.5913**	**2.2875**	**.49677**	**.44426**	**.46008**
Stddev	.00103	.00239	.0023	.0227	.00169	.00030	.00039
%RSD	.11020	.25521	.14199	.99347	.33928	.06815	.08446
#1	.93413	.93907	1.5929	2.3036	.49796	.44405	.45981
#2	.93558	.93569	1.5897	2.2715	.49558	.44448	.46036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5596.8**	**82470.**	**4769.4**
Stddev	.2	496.	47.3
%RSD	.00324	.60105	.99075
#1	5596.9	82820.	4802.8
#2	5596.7	82119.	4736.0

Sample Name: 280-49209-c-2-a Acquired: 11/16/2013 13:17:36 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.15969**	**-.00144**	**.09456**	**.11912**	**-.00009**	**-.00376**	**168.28**	**.00072**	**-.00026**
Stddev	.00010	.00019	.00234	.00058	.00045	.00003	.00145	.76	.00008	.00012
%RSD	38.014	.12210	162.14	.60869	.37996	36.915	38.391	.44991	11.116	45.631
#1	-.00033	.15955	-.00309	.09496	.11944	-.00011	-.00274	168.82	.00078	-.00035
#2	-.00019	.15982	.00021	.09415	.11880	-.00007	-.00479	167.75	.00066	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00073**	**.21060**	**3.8592**	**.01234**	**27.645**	**.03269**	**.00198**	**72.989**	**.00030**
Stddev	.00034	.00007	.00051	.0016	.00215	.059	.00011	.00037	.340	.00000
%RSD	105.54	10.208	.24285	.04101	17.415	.21208	.34389	18.470	.46580	.78806
#1	.00056	.00078	.21024	3.8604	.01386	27.603	.03261	.00172	72.749	.00031
#2	.00008	.00068	.21096	3.8581	.01082	27.686	.03277	.00224	73.230	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02149**	**.00073**	**82.763**	**-.00139**	**.00468**	**9.1788**	**19.643**	**.00056**	**3.5906**	**.00092**
Stddev	.00138	.00009	.005	.00004	.00181	.0086	.018	.00000	.0131	.00033
%RSD	6.4034	12.241	.00554	3.0521	38.668	.09320	.09320	.74733	.36608	36.238
#1	.02246	.00066	82.760	-.00136	.00340	9.1848	19.656	.00056	3.5999	.00068
#2	.02052	.00079	82.766	-.00142	.00596	9.1727	19.630	.00056	3.5813	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00243**	**.00034**	**.04878**	**.00029**	**.00482**	**.00377**
Stddev	.00000	.00064	.02116	.00002	.00027	.00111
%RSD	.14122	188.24	43.380	5.4835	5.6281	29.430
#1	.00244	.00080	.06374	.00028	.00463	.00298
#2	.00243	-.00011	.03382	.00030	.00501	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6597.1**	**100650.**	**5136.5**
Stddev	14.6	461.	92.8
%RSD	.22160	.45806	1.8076
#1	6586.8	100980.	5070.9
#2	6607.5	100320.	5202.2

Sample Name: CCVH-2382126 Acquired: 11/16/2013 13:19:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00955**	**49.319**	**.00031**	**.00483**	**.00081**	**-.00006**	W **1.0947**	**.03985**	**.00095**	**-.00051**	**.00023**	**.02008**
Stddev	.00017	.128	.00119	.00031	.00033	.00002	.0012	.00324	.00016	.00012	.00004	.00015
%RSD	1.8078	.26033	387.75	6.4876	41.571	39.708	.11029	8.1205	16.508	22.775	17.933	.73505
#1	-.00968	49.228	.00114	.00505	.00104	-.00007	1.0956	.04214	.00107	-.00059	.00020	.01997
#2	-.00943	49.410	-.00053	.00461	.00057	-.00004	1.0939	.03757	.00084	-.00042	.00026	.02018
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.331**	**.10152**	**.00153**	**.07346**	**.00092**	**.00090**	F **314.04**	**-.00053**	**.00925**	**.00339**	**5.1611**	**-.00285**
Stddev	.126	.02460	.00161	.00195	.00001	.00038	1.36	.00010	.00065	.00102	.0158	.00155
%RSD	.27173	24.235	104.77	2.6557	1.0882	41.708	.43300	19.102	7.0480	29.953	.30585	54.589
#1	46.420	.08413	.00267	.07484	.00093	.00064	313.08	-.00046	.00879	.00411	5.1722	-.00175
#2	46.242	.11892	.00040	.07208	.00091	.00117	315.00	-.00060	.00971	.00267	5.1499	-.00394
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00709**	**-.00401**	**-.00859**	**.00053**	**.00114**	W **4.5094**	**.01824**	**.00188**	F **11.388**	**.00332**	**.00169**	**-.07451**
Stddev	.00237	.00815	.01743	.00020	.00004	.0043	.00009	.00163	.008	.00019	.00012	.00129
%RSD	33.454	203.01	203.01	37.887	3.5297	.09500	.52009	86.570	.07353	5.6637	7.1089	1.7342
#1	-.00542	.00175	.00374	.00067	.00111	4.5064	.01831	.00303	11.382	.00318	.00161	-.07542
#2	-.00877	-.00977	-.02092	.00039	.00117	4.5125	.01817	.00073	11.394	.00345	.00178	-.07359
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6841.7**	**102760.**	**5151.2**
Stddev	30.0	187.	13.2
%RSD	.43861	.18221	.25711
#1	6820.5	102900.	5141.8
#2	6862.9	102630.	5160.5

Sample Name: CCV-2372889 Acquired: 11/16/2013 13:22:21 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49479**	**.52022**	**1.0736**	F **.55779**	**.54535**	**.50330**	**-.00858**	**4.9723**	**.51110**	**.51813**	**.53809**	**.51559**
Stddev	.00004	.00053	.0039	.00427	.00612	.00640	.00141	.0172	.00142	.00071	.00070	.00076
%RSD	.00773	.10230	.36383	.76485	1.1222	1.2711	16.493	.34528	.27742	.13712	.12975	.14834
#1	.49476	.51984	1.0708	.55477	.54968	.50782	-.00958	4.9844	.51010	.51763	.53759	.51505
#2	.49482	.52060	1.0763	.56081	.54102	.49877	-.00758	4.9601	.51210	.51863	.53858	.51613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.490%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4202**	F **63.725**	F **1.1788**	**18.358**	**.49674**	**.53189**	F **6.2452**	**.54416**	**1.0719**	W **1.1030**	**.02606**	**1.0715**
Stddev	.0005	.701	.0117	.014	.00067	.00287	.1144	.00083	.0044	.0063	.00419	.0075
%RSD	.02093	1.0995	.99545	.07409	.13498	.53997	1.8312	.15302	.41189	.57525	16.064	.69760
#1	2.4199	64.220	1.1871	18.348	.49627	.52986	6.3261	.54475	1.0688	1.0986	.02310	1.0662
#2	2.4206	63.230	1.1705	18.368	.49721	.53392	6.1644	.54357	1.0750	1.1075	.02902	1.0768
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value		50.000	1.0000				5.0000			1.0000		
Range		10.490%	10.490%				10.490%			10.000%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1073**	**4.7606**	**10.188**	**1.0477**	**.51433**	**.00817**	**.46444**	**1.0387**	**.02759**	**.48864**	**.45339**	**.48216**
Stddev	.0039	.0382	.082	.0077	.00581	.00090	.00100	.0055	.01556	.00040	.00014	.00228
%RSD	.35612	.80127	.80127	.73972	1.1305	10.969	.21515	.52709	56.414	.08107	.03185	.47342
#1	1.1045	4.7336	10.130	1.0422	.51845	.00753	.46373	1.0348	.03859	.48892	.45328	.48054
#2	1.1101	4.7876	10.245	1.0532	.51022	.00880	.46514	1.0426	.01658	.48836	.45349	.48377
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000											
Range	10.490%											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6929.1**	**104430.**	**5052.8**
Stddev	13.5	61.	45.9
%RSD	.19524	.05842	.90816
#1	6919.5	104380.	5020.3
#2	6938.6	104470.	5085.2

Sample Name: CCB Acquired: 11/16/2013 13:24:28 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00086**	**.00087**	**.00331**	**.00022**	**.00010**	**-.00175**	**.00670**	**.00036**	**-.00010**	**.00005**
Stddev	.00002	.00042	.00070	.00026	.00001	.00001	.00075	.00019	.00002	.00003	.00001
%RSD	9.7712	48.767	79.745	7.9914	4.3715	7.3172	43.183	2.8715	6.1216	30.388	23.210
#1	-.00017	.00116	.00136	.00349	.00022	.00011	-.00121	.00656	.00038	-.00013	.00006
#2	-.00019	.00056	.00038	.00312	.00023	.00010	-.00228	.00684	.00035	-.00008	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00169**	**.00262**	**.08783**	**.00177**	**.00218**	**.00004**	**.00218**	F **.40818**	**.00020**	**.00366**	**.00052**
Stddev	.00043	.00102	.11421	.00256	.00134	.00003	.00049	.00135	.00025	.00158	.00007
%RSD	25.400	38.793	130.03	144.21	61.683	82.226	22.352	.33136	121.17	43.173	13.508
#1	-.00199	.00333	.16859	-.00003	.00313	.00007	.00184	.40723	.00038	.00254	.00047
#2	-.00139	.00190	.00707	.00358	.00123	.00002	.00253	.40914	.00003	.00478	.00057
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02065**	**.00268**	W **.00547**	**.00629**	**.01345**	**.00037**	**.00025**	**.00062**	**.00005**	**-.00061**	**.02368**
Stddev	.00061	.00135	.00141	.00032	.00068	.00007	.00000	.00125	.00043	.00184	.02276
%RSD	2.9745	50.358	25.726	5.0760	5.0760	20.166	.57552	201.38	827.49	299.88	96.112
#1	.02109	.00363	.00447	.00651	.01393	.00042	.00025	.00150	-.00025	.00069	.00759
#2	.02022	.00172	.00646	.00606	.01297	.00032	.00025	-.00026	.00036	-.00191	.03978
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00068**	**.00317**	F **.00535**
Stddev	.00052	.00019	.00081
%RSD	76.821	5.9755	15.142
#1	-.00031	.00331	.00592
#2	-.00105	.00304	.00478
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6953.7**	**107330.**	**5135.6**
Stddev	24.3	193.	20.0
%RSD	.34936	.18022	.38940
#1	6970.8	107190.	5121.5
#2	6936.5	107460.	5149.7

Sample Name: CCVL2383195 Acquired: 11/16/2013 13:26:48 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01050**	**.11155**	**.01597**	**.11489**	**.01136**	**.00098**	**.12866**	**.21073**	**.00557**	**.01100**	**.01123**	**.01443**	**.10337**
Stddev	.00011	.00023	.00103	.00011	.00002	.00004	.00034	.00333	.00027	.00002	.00011	.00021	.00102
%RSD	1.0384	.20849	6.4475	.09435	.21251	3.9118	.26445	1.5796	4.8463	.22018	.97885	1.4589	.99063
#1	.01058	.11171	.01670	.11481	.01134	.00100	.12890	.20838	.00538	.01099	.01115	.01458	.10409
#2	.01042	.11138	.01524	.11496	.01138	.00095	.12842	.21309	.00576	.01102	.01130	.01428	.10264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **3.9846**	F **.01365**	**.19927**	**.01035**	**.02142**	F **1.5284**	**.04601**	**3.2071**	**.01100**	**.01675**	**.01002**	**.01880**	**.48698**
Stddev	.0557	.00031	.00019	.00006	.00005	.0275	.00062	.0126	.00022	.00317	.00163	.00197	.00035
%RSD	1.3987	2.2691	.09405	.59532	.21577	1.7986	1.3379	.39297	2.0369	18.913	16.285	10.502	.07096
#1	4.0241	.01343	.19914	.01031	.02139	1.5090	.04645	3.2161	.01116	.01899	.00886	.01740	.48722
#2	3.9452	.01387	.19940	.01039	.02145	1.5479	.04558	3.1982	.01084	.01451	.01117	.02020	.48673
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	3.0000	.01000				1.0000							
Range	30.000%	30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0421**	**.11125**	**.01070**	**.01368**	**.00937**	**.01680**	F **.08218**	**.00913**	**.02138**	F **.01997**
Stddev	.0007	.00025	.00007	.00102	.00006	.00021	.00176	.00035	.00012	.00029
%RSD	.07096	.22849	.61378	7.4837	.60222	1.2581	2.1429	3.8635	.57967	1.4494
#1	1.0426	.11107	.01065	.01295	.00941	.01695	.08343	.00888	.02129	.02017
#2	1.0416	.11143	.01074	.01440	.00933	.01665	.08094	.00938	.02146	.01976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.3**	**108890.**	**5052.2**
Stddev	6.8	118.	11.4
%RSD	.09645	.10870	.22525
#1	7061.5	108970.	5060.2
#2	7071.1	108800.	5044.1

Sample Name: 280-49209-c-3-a Acquired: 11/16/2013 13:29:09 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.32772**	**-.00365**	**.08287**	**.02065**	**-.00004**	**-.00259**	**266.50**	**.00106**	**-.00034**
Stddev	.00003	.00246	.00196	.00012	.00001	.00003	.00002	5.53	.00013	.00003
%RSD	16.906	.75150	53.570	.14941	.03186	86.314	.86844	2.0743	12.294	8.8370
#1	-.00022	.32946	-.00227	.08278	.02065	-.00002	-.00258	270.40	.00097	-.00036
#2	-.00017	.32598	-.00503	.08295	.02066	-.00006	-.00261	262.59	.00115	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00134**	**.37634**	**5.2512**	**.03028**	**40.978**	**.00569**	**.00049**	**322.33**	**.00125**
Stddev	.00012	.00008	.00123	.0480	.00121	.077	.00003	.00018	6.08	.00020
%RSD	19.178	5.6676	.32813	.91464	3.9970	.18844	.51451	37.423	1.8864	16.093
#1	.00073	.00139	.37721	5.2851	.02942	41.033	.00571	.00036	326.62	.00140
#2	.00056	.00128	.37547	5.2172	.03113	40.923	.00567	.00062	318.03	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02237**	**.00057**	F **260.92**	**-.00064**	**-.00005**	**11.085**	**23.723**	**.00026**	W **5.7988**	**.00018**
Stddev	.00019	.00012	.55	.00140	.00074	.111	.237	.00055	.1603	.00022
%RSD	.84567	20.593	.20966	219.15	1557.6	.99855	.99855	206.87	2.7645	122.33
#1	.02224	.00066	260.54	-.00162	.00047	11.164	23.890	-.00012	5.9121	.00034
#2	.02250	.00049	261.31	.00035	-.00057	11.007	23.555	.00065	5.6854	.00002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00768**	**-.00024**	**.03520**	**.00049**	**.00642**	**.00541**
Stddev	.00006	.00035	.03264	.00029	.00008	.00411
%RSD	.73232	149.26	92.751	58.232	1.2734	75.978
#1	.00764	-.00048	.01211	.00029	.00637	.00832
#2	.00772	.00001	.05828	.00069	.00648	.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6590.4**	**99186.**	**5041.6**
Stddev	30.9	161.	98.3
%RSD	.46863	.16196	1.9503
#1	6568.5	99300.	4972.1
#2	6612.2	99072.	5111.1

Sample Name: 280-49209-c-4-a Acquired: 11/16/2013 13:31:39 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.38986**	**-.00032**	**.04620**	**.02985**	**.00037**	**-.00137**	**277.65**	**.00153**	**-.00038**
Stddev	.00014	.00065	.00243	.00016	.00252	.00042	.00227	1.07	.00027	.00001
%RSD	69.592	.16698	766.13	.33557	8.4578	112.09	165.65	.38437	17.803	1.5795
#1	-.00030	.39032	-.00204	.04631	.02806	.00008	.00023	278.41	.00134	-.00037
#2	-.00010	.38940	.00140	.04609	.03163	.00067	-.00297	276.90	.00173	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00234**	**.54435**	**8.6059**	**.02622**	**75.111**	**.00911**	**.00058**	W **680.23**	**.00111**
Stddev	.00010	.00020	.05152	.1202	.00014	.006	.00003	.00003	1.88	.00029
%RSD	15.193	8.3493	9.4637	1.3971	.53454	.00769	.29212	5.0625	.27614	26.424
#1	.00056	.00248	.50792	8.5209	.02632	75.107	.00913	.00056	678.91	.00132
#2	.00070	.00220	.58077	8.6909	.02612	75.115	.00909	.00060	681.56	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01931**	**-.00134**	F **555.64**	**-.00092**	**.11209**	**5.4638**	**11.692**	**-.00059**	W **6.5846**	**.00116**
Stddev	.00053	.00003	2.00	.00316	.00266	.0013	.003	.00037	.0720	.00243
%RSD	2.7319	2.2210	.36056	344.13	2.3721	.02327	.02327	61.807	1.0930	210.61
#1	.01894	-.00137	554.23	-.00315	.11021	5.4647	11.694	-.00033	6.5337	.00288
#2	.01968	-.00132	557.06	.00132	.11397	5.4629	11.691	-.00085	6.6354	-.00057
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00756**	**.00026**	**.01998**	**.00140**	**.00707**	**.00591**
Stddev	.00049	.00094	.01860	.00038	.00024	.00098
%RSD	6.4627	367.48	93.093	27.522	3.3989	16.601
#1	.00722	.00092	.00683	.00112	.00724	.00660
#2	.00791	-.00041	.03313	.00167	.00690	.00522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6399.0**	**95770.**	**5249.0**
Stddev	16.4	257.	37.9
%RSD	.25559	.26876	.72193
#1	6410.6	95588.	5222.2
#2	6387.5	95952.	5275.8

Sample Name: 280-49232-c-1-a Acquired: 11/16/2013 13:34:11 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.03487**	**-.00014**	**.02429**	**.05652**	**.00005**	**-.00858**	**21.635**	**.00038**	**-.00040**
Stddev	.00004	.00011	.00078	.00016	.00035	.00010	.00030	.020	.00001	.00001
%RSD	17.734	.32514	563.05	.65967	.62007	186.44	3.5543	.09316	2.7551	3.6589
#1	-.00025	.03495	-.00069	.02440	.05627	-.00002	-.00879	21.649	.00038	-.00039
#2	-.00019	.03479	.00041	.02418	.05677	.00012	-.00836	21.620	.00039	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00023**	**22.345**	**5.5374**	**.13419**	**10.067**	**.50007**	**-.00020**	**7.8624**	**.00031**
Stddev	.00008	.00030	.086	.0587	.00107	.094	.00441	.00030	.0440	.00003
%RSD	19.303	130.30	.38543	1.0606	.79640	.92947	.88277	148.05	.56016	9.7549
#1	.00044	-.00045	22.284	5.4958	.13343	10.001	.49695	-.00042	7.8935	.00033
#2	.00034	-.00002	22.406	5.5789	.13495	10.133	.50319	.00001	7.8312	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5932**	**.00097**	**27.762**	**-.00142**	**.00078**	**13.932**	**29.814**	**.00036**	**.23288**	**-.00237**
Stddev	.0124	.00045	.007	.00223	.00280	.004	.008	.00040	.00100	.00060
%RSD	.77673	46.679	.02590	157.18	357.15	.02818	.02818	110.13	.42730	25.223
#1	1.5845	.00129	27.767	.00016	-.00119	13.929	29.808	.00064	.23218	-.00194
#2	1.6020	.00065	27.757	-.00299	.00276	13.934	29.819	.00008	.23359	-.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00137**	**-.00993**	**-.00122**	**.00936**	**.00516**
Stddev	.00005	.00023	.00829	.00034	.00045	.00153
%RSD	85.112	16.420	83.395	27.552	4.7924	29.741
#1	-.00010	-.00121	-.01579	-.00145	.00904	.00625
#2	-.00002	-.00153	-.00408	-.00098	.00967	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6972.0**	**106220.**	**5165.2**
Stddev	7.3	615.	26.9
%RSD	.10456	.57897	.52095
#1	6977.1	106660.	5146.2
#2	6966.8	105790.	5184.2

Sample Name: 280-49232-c-2-a Acquired: 11/16/2013 13:36:31 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**1.2301**	**.00249**	**.05755**	**.06022**	**.00013**	**-.00508**	**43.008**	**.00056**	**.00035**
Stddev	.00003	.0036	.00049	.00006	.00012	.00006	.00051	.163	.00004	.00013
%RSD	36.600	.29242	19.530	.10494	.19243	48.412	10.130	.37858	6.9706	36.619
#1	-.00009	1.2326	.00215	.05751	.06014	.00008	-.00472	43.123	.00053	.00045
#2	-.00005	1.2275	.00284	.05759	.06030	.00017	-.00545	42.893	.00058	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00586**	**.00038**	**7.6730**	**11.255**	**.17142**	**11.696**	**.13751**	**.00005**	**4.6583**	**.00211**
Stddev	.00001	.00043	.0397	.053	.00300	.068	.00079	.00014	.0201	.00007
%RSD	.11913	113.36	.51777	.47184	1.7476	.58255	.57166	303.28	.43065	3.4684
#1	.00586	.00007	7.6449	11.217	.16930	11.648	.13695	-.00005	4.6724	.00206
#2	.00586	.00068	7.7011	11.292	.17354	11.744	.13806	.00014	4.6441	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51753**	**.00190**	**30.412**	**-.00133**	**-.00024**	**8.9162**	**19.081**	**.00044**	**.58794**	**.00106**
Stddev	.00039	.00049	.107	.00111	.00150	.0090	.019	.00005	.00095	.00028
%RSD	.07518	25.743	.35100	82.965	616.72	.10142	.10142	10.941	.16212	26.517
#1	.51780	.00155	30.487	-.00212	-.00131	8.9098	19.067	.00040	.58861	.00086
#2	.51725	.00224	30.336	-.00055	.00082	8.9226	19.094	.00047	.58726	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04413**	**-.00046**	**.03447**	**.00715**	**.00851**	**.00663**
Stddev	.00038	.00086	.01190	.00024	.00035	.00156
%RSD	.86519	186.48	34.507	3.3800	4.0785	23.478
#1	.04386	-.00107	.02606	.00697	.00876	.00553
#2	.04440	.00015	.04288	.00732	.00827	.00773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6963.9**	**105550.**	**5113.7**
Stddev	11.7	408.	19.6
%RSD	.16822	.38688	.38303
#1	6955.6	105840.	5099.9
#2	6972.2	105260.	5127.6

Sample Name: 280-49232-c-3-a Acquired: 11/16/2013 13:38:50 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.05497**	**-.00209**	**.03829**	**.05959**	**.00000**	**-.00699**	**32.539**	**.00044**	**.00006**
Stddev	.00005	.00006	.00288	.00012	.00017	.0000	.00030	.016	.00015	.00021
%RSD	185.46	.10315	138.17	.30446	.28721	171.56	4.2450	.05041	34.745	323.53
#1	.00001	.05493	-.00005	.03837	.05971	-.00001	-.00678	32.551	.00055	-.00008
#2	-.00006	.05501	-.00413	.03821	.05947	.00000	-.00720	32.528	.00033	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00053**	**22.161**	**7.6634**	**.13067**	**11.904**	**.38226**	**-.00029**	**12.987**	**.00070**
Stddev	.00006	.00021	.001	.1040	.00078	.033	.00053	.00001	.138	.00005
%RSD	14.197	40.396	.00264	1.3566	.59718	.27874	.13785	5.0077	1.0650	6.6781
#1	.00044	-.00038	22.161	7.5899	.13012	11.928	.38264	-.00028	13.085	.00066
#2	.00036	-.00068	22.160	7.7369	.13122	11.881	.38189	-.00030	12.889	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4247**	**.00747**	**30.442**	**.00014**	**.00144**	**11.600**	**24.824**	**.00021**	**.46254**	**-.00257**
Stddev	.0029	.00089	.043	.00042	.00135	.160	.341	.00027	.00018	.00092
%RSD	.20338	11.920	.14219	313.16	94.238	1.3750	1.3750	126.91	.03977	35.754
#1	1.4226	.00810	30.412	.00044	.00048	11.487	24.583	.00002	.46267	-.00322
#2	1.4267	.00684	30.473	-.00016	.00239	11.713	25.065	.00040	.46241	-.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00098**	**.00001**	**-.00106**	**.00701**	**.00536**
Stddev	.00018	.00079	.02529	.00024	.00017	.00070
%RSD	22.329	80.579	249160.	23.017	2.4014	13.013
#1	.00091	-.00153	.01789	-.00089	.00689	.00585
#2	.00066	-.00042	-.01787	-.00123	.00713	.00487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.8**	**106960.**	**5157.9**
Stddev	2.6	83.	.7
%RSD	.03761	.07804	.01408
#1	6921.6	107020.	5158.4
#2	6918.0	106900.	5157.4

Sample Name: 280-49232-c-4-a Acquired: 11/16/2013 13:41:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.12404**	**-.00045**	**.04017**	**.04252**	**-.00008**	**-.00786**	**41.301**	**.00063**	**-.00025**
Stddev	.00032	.00083	.00073	.00040	.00061	.00006	.00023	.394	.00002	.00017
%RSD	96.745	.66527	161.93	.99904	1.4270	78.898	2.9395	.95505	3.4459	68.918
#1	-.00011	.12463	.00007	.03989	.04209	-.00004	-.00769	41.022	.00061	-.00037
#2	-.00056	.12346	-.00097	.04046	.04295	-.00013	-.00802	41.580	.00064	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.00031**	**19.213**	**9.5076**	**.15267**	**13.217**	**.43169**	**.00134**	**7.1841**	**.00006**
Stddev	.00003	.00038	.143	.0496	.00023	.033	.00107	.00017	.0470	.00013
%RSD	4.0027	122.00	.74595	.52186	.15125	.25058	.24728	13.012	.65383	222.81
#1	.00070	-.00058	19.112	9.4726	.15251	13.241	.43245	.00146	7.1509	.00015
#2	.00066	-.00004	19.315	9.5427	.15284	13.194	.43094	.00122	7.2174	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63294**	**.00005**	**44.345**	**.00007**	**.00131**	**11.146**	**23.853**	**.00054**	**.53098**	**-.00158**
Stddev	.00038	.00003	.090	.00096	.00047	.013	.028	.00021	.00267	.00019
%RSD	.05985	67.682	.20375	1450.3	36.170	.11682	.11682	39.359	.50311	11.947
#1	.63267	.00008	44.281	.00074	.00165	11.137	23.833	.00039	.52910	-.00145
#2	.63321	.00003	44.408	-.00061	.00098	11.155	23.872	.00069	.53287	-.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	**-.00070**	**.01490**	**-.00034**	**.00754**	**.00455**
Stddev	.00013	.00004	.00608	.00030	.00043	.00156
%RSD	3.2668	5.7408	40.800	87.911	5.7142	34.385
#1	.00414	-.00067	.01060	-.00013	.00784	.00566
#2	.00395	-.00073	.01920	-.00055	.00723	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6963.6**	**106360.**	**5216.4**
Stddev	1.8	398.	.9
%RSD	.02524	.37426	.01814
#1	6962.3	106080.	5217.1
#2	6964.8	106640.	5215.7

Sample Name: 280-49232-c-5-a Acquired: 11/16/2013 13:43:31 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.21253**	**.00024**	**.04344**	**.04943**	**-.00007**	**-.00783**	**49.882**	**.00052**	**.00046**
Stddev	.00011	.00199	.00029	.00035	.00037	.00015	.00029	.187	.00007	.00018
%RSD	311.70	.93434	121.52	.80887	.75116	231.87	3.7447	.37573	13.702	39.222
#1	-.00004	.21113	.00045	.04369	.04917	.00004	-.00804	50.014	.00057	.00059
#2	.00012	.21394	.00003	.04319	.04969	-.00018	-.00762	49.749	.00047	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**-.00032**	**19.237**	**8.2883**	**.15499**	**15.786**	**.31053**	**.00029**	**9.5214**	W **10.756**
Stddev	.00002	.00019	.060	.0786	.00168	.129	.00150	.00009	.0294	.500
%RSD	3.0703	60.001	.31151	.94881	1.0837	.81718	.48286	30.722	.30829	4.6461
#1	.00073	-.00019	19.279	8.3439	.15380	15.694	.30947	.00036	9.5422	10.402
#2	.00070	-.00046	19.194	8.2327	.15618	15.877	.31159	.00023	9.5006	11.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.76513**	**.00034**	**56.748**	**-.00202**	**.00010**	**10.384**	**22.223**	**.00025**	**.48386**
Stddev	.00015	.00219	.00022	.034	.00140	.00061	.065	.139	.00057	.00100
%RSD	11.021	.28564	63.777	.05951	69.199	611.72	.62472	.62472	233.82	.20573
#1	.00129	.76668	.00019	56.725	-.00301	.00053	10.339	22.125	-.00016	.48456
#2	.00150	.76359	.00049	56.772	-.00103	-.00033	10.430	22.321	.00065	.48316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.00300**	**-.00002**	**.00310**	**.00015**	**.00850**	**.00353**
Stddev	.00053	.00024	.00045	.00049	.00028	.00016	.00029
%RSD	54.834	7.9555	2363.8	15.865	185.92	1.8704	8.2373
#1	-.00134	.00317	-.00034	.00345	.00035	.00862	.00373
#2	-.00059	.00283	.00030	.00275	-.00005	.00839	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6964.0**	**105810.**	**5201.4**
Stddev	2.0	411.	20.8
%RSD	.02830	.38864	.39917
#1	6962.6	106100.	5186.7
#2	6965.4	105510.	5216.1

Sample Name: 280-49232-c-6-a Acquired: 11/16/2013 13:45:50 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.02291**	**.00093**	**.04681**	**.11272**	**-.00004**	**-.00276**	**49.173**	**.00041**	**.00011**
Stddev	.00007	.00003	.00018	.00067	.00021	.00003	.00086	.138	.00015	.00014
%RSD	25.257	.13782	18.989	1.4241	.19043	68.644	31.047	.28126	37.492	121.83
#1	-.00031	.02288	.00105	.04633	.11256	-.00002	-.00215	49.075	.00052	.00021
#2	-.00022	.02293	.00080	.04728	.11287	-.00006	-.00337	49.271	.00030	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00034**	**9.3690**	**9.3088**	**.15296**	**11.422**	**.40344**	**.00042**	**7.1115**	**-.00004**
Stddev	.00010	.00045	.0572	.0029	.00119	.026	.00103	.00023	.0105	.00011
%RSD	35.470	131.67	.61072	.03066	.77534	.22796	.25499	55.312	.14761	261.77
#1	.00022	-.00066	9.4094	9.3108	.15380	11.440	.40416	.00058	7.1041	-.00012
#2	.00036	-.00002	9.3285	9.3067	.15212	11.403	.40271	.00026	7.1189	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50283**	**.00011**	**36.318**	**-.00156**	**.00162**	**8.0770**	**17.285**	**-.00001**	**.57210**	**-.00039**
Stddev	.00250	.00057	.117	.00074	.00253	.0641	.137	.00005	.00176	.00081
%RSD	.49631	533.60	.32303	47.674	156.21	.79307	.79307	325.37	.30810	208.73
#1	.50106	-.00030	36.235	-.00209	.00340	8.0317	17.188	-.00005	.57086	-.00096
#2	.50459	.00051	36.401	-.00104	-.00017	8.1223	17.382	.00002	.57335	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00066**	**.00840**	**-.00093**	**.00504**	**.00418**
Stddev	.00010	.00050	.02684	.00022	.00054	.00115
%RSD	245.24	76.379	319.50	23.706	10.707	27.589
#1	.00011	-.00030	.02738	-.00078	.00542	.00337
#2	-.00003	-.00101	-.01058	-.00109	.00466	.00500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6887.8**	**105230.**	**5191.4**
Stddev	8.0	525.	7.9
%RSD	.11552	.49878	.15297
#1	6893.4	105600.	5185.8
#2	6882.2	104850.	5197.0

Sample Name: 280-49232-c-8-a Acquired: 11/16/2013 13:48:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**3.9905**	**.00095**	**.01985**	**.04455**	**.00430**	**-.00458**	**48.524**	**.00116**	**.07144**
Stddev	.00025	.0059	.00110	.00014	.00023	.00009	.00054	.343	.00001	.00031
%RSD	136.45	.14839	116.31	.72954	.52248	2.1609	11.857	.70606	1.1165	.43967
#1	-.00035	3.9863	.00017	.01974	.04471	.00437	-.00419	48.766	.00115	.07166
#2	-.00001	3.9947	.00172	.01995	.04438	.00424	-.00496	48.281	.00117	.07122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00079**	**9.1050**	**5.4622**	**.07078**	**24.340**	**6.0723**	**-.00071**	**8.9161**	W **10.394**
Stddev	.00002	.00003	.0313	.0042	.00242	.042	.0208	.00020	.0554	.221
%RSD	3.9344	3.5789	.34356	.07600	3.4180	.17194	.34211	27.610	.62158	2.1309
#1	.00062	.00077	9.1271	5.4652	.07249	24.370	6.0576	-.00085	8.9552	10.551
#2	.00065	.00081	9.0829	5.4593	.06907	24.310	6.0870	-.00057	8.8769	10.238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09247**	**.00767**	**.00305**	**101.14**	**-.00324**	**-.00095**	**5.8892**	**12.603**	**-.00012**	**.27003**
Stddev	.00029	.00102	.00070	1.14	.00002	.00365	.0474	.101	.00021	.00125
%RSD	.31665	13.364	22.962	1.1229	.68997	384.54	.80427	.80427	178.82	.46295
#1	.09268	.00839	.00255	101.94	-.00322	-.00353	5.9227	12.675	.00003	.27091
#2	.09227	.00694	.00354	100.34	-.00325	.00163	5.8557	12.531	-.00027	.26915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00040**	**.00205**	F **-.10048**	**.00012**	**.22034**	**.00562**
Stddev	.00132	.00023	.00089	.00704	.00019	.00156	.00060
%RSD	243.86	58.008	43.203	7.0054	166.64	.70847	10.655
#1	-.00039	-.00023	.00142	-.09550	-.00002	.22145	.00604
#2	.00147	-.00056	.00268	-.10546	.00025	.21924	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7307.2**	**111450.**	**5430.8**
Stddev	17.6	227.	45.2
%RSD	.24041	.20394	.83309
#1	7319.6	111610.	5398.8
#2	7294.8	111290.	5462.8

Sample Name: 280-49232-c-9-a Acquired: 11/16/2013 13:50:33 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 201102 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.08324**	**-.00169**	**.00929**	**.06899**	**.00009**	**-.00735**	**9.4393**	**.00040**	**.01154**
Stddev	.00020	.00067	.00122	.00036	.00021	.00006	.00049	.0347	.00002	.00010
%RSD	148.41	.80410	71.960	3.8935	.29780	62.573	6.6124	.36779	5.2631	.84727
#1	.00001	.08371	-.00255	.00954	.06885	.00013	-.00701	9.4148	.00042	.01161
#2	-.00028	.08277	-.00083	.00903	.06914	.00005	-.00769	9.4639	.00039	.01147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00097**	**24.992**	**1.6802**	**.00208**	**10.630**	**1.5813**	**-.00076**	**4.0403**	**.00430**
Stddev	.00001	.00018	.078	.0127	.00079	.011	.0005	.00001	.0222	.00006
%RSD	.95778	18.650	.31089	.75696	38.041	.10766	.03071	1.4207	.54867	1.2861
#1	.00053	-.00110	24.937	1.6712	.00152	10.638	1.5817	-.00076	4.0247	.00426
#2	.00054	-.00084	25.047	1.6892	.00263	10.622	1.5810	-.00075	4.0560	.00434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00452**	**.00061**	**30.651**	**-.00134**	**-.00189**	**5.8547**	**12.529**	**-.00011**	**.07380**	**-.00237**
Stddev	.00042	.00082	.022	.00138	.00222	.0608	.130	.00026	.00048	.00031
%RSD	9.2505	133.50	.07081	102.64	117.23	1.0392	1.0392	234.11	.65363	12.984
#1	.00422	.00119	30.635	-.00037	-.00032	5.8117	12.437	-.00030	.07346	-.00215
#2	.00481	.00003	30.666	-.00232	-.00346	5.8977	12.621	.00007	.07414	-.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00070**	**-.00009**	**-.00062**	**.00650**	**.00572**
Stddev	.00024	.00089	.02004	.00012	.00018	.00028
%RSD	462.71	126.74	21348.	20.262	2.8151	4.8328
#1	-.00022	-.00007	.01408	-.00053	.00663	.00552
#2	.00012	-.00133	-.01427	-.00070	.00638	.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.1**	**105200.**	**4985.0**
Stddev	.7	262.	38.2
%RSD	.01040	.24915	.76687
#1	6988.6	105020.	5012.0
#2	6989.6	105390.	4958.0

Sample Name: CCVH-2382126 Acquired: 11/16/2013 13:52:53 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00937**	**49.338**	**-.00098**	**.00193**	**.00089**	**-.00010**	W **1.0682**	**.00432**	**.00089**	**-.00020**	**.00033**	**.02074**
Stddev	.00025	.132	.00017	.00021	.00023	.00002	.0031	.00454	.00002	.00024	.00007	.00038
%RSD	2.6768	.26656	17.292	10.987	26.347	14.771	.29222	104.95	2.5595	118.56	21.766	1.8288
#1	-.00955	49.245	-.00110	.00178	.00072	-.00011	1.0704	.00111	.00088	-.00037	.00028	.02100
#2	-.00919	49.431	-.00086	.00209	.00105	-.00009	1.0660	.00753	.00091	-.00003	.00038	.02047
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.684**	**-.01055**	**.00010**	**.07401**	**.00121**	**.00008**	F **316.85**	**-.00034**	**.00286**	**.00216**	**5.0754**	**-.00280**
Stddev	.013	.01625	.00057	.00101	.00005	.00012	1.30	.00056	.00080	.00022	.0107	.00154
%RSD	.02725	154.08	558.63	1.3597	4.2020	161.51	.41175	166.03	27.882	10.177	.21008	55.125
#1	46.675	.00094	.00051	.07472	.00124	.00016	315.93	-.00073	.00342	.00200	5.0679	-.00389
#2	46.693	-.02204	-.00030	.07330	.00117	-.00001	317.77	.00006	.00230	.00231	5.0829	-.00171
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00304**	**.01202**	**.02573**	**.00013**	**.00030**	W **4.5654**	**.01775**	**.00119**	F **11.423**	**.00334**	**.00184**	**-.07403**
Stddev	.00263	.00495	.01058	.00047	.00014	.0080	.00021	.00013	.091	.00032	.00006	.00109
%RSD	86.558	41.135	41.135	368.86	48.741	.17495	1.1669	11.074	.79260	9.6627	3.1587	1.4723
#1	-.00489	.01552	.03321	.00046	.00019	4.5710	.01760	.00128	11.487	.00311	.00188	-.07326
#2	-.00118	.00853	.01824	-.00020	.00040	4.5598	.01789	.00109	11.359	.00357	.00180	-.07480
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6805.1**	**100270.**	**4912.8**
Stddev	12.2	36.	19.6
%RSD	.17988	.03571	.39806
#1	6813.8	100300.	4926.6
#2	6796.5	100250.	4898.9

Sample Name: CCV-2372889 Acquired: 11/16/2013 13:55:17 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49352**	**.52393**	**1.0631**	**.54652**	**.54123**	**.49362**	**-.00864**	**4.9358**	**.50961**	**.51634**	**.53380**	**.51205**	**2.4065**
Stddev	.00131	.00021	.0017	.00148	.00051	.00029	.00076	.0352	.00127	.00141	.00046	.00038	.0091
%RSD	.26600	.03958	.15810	.27102	.09481	.05950	8.8385	.71306	.24915	.27230	.08687	.07504	.37803
#1	.49259	.52408	1.0619	.54757	.54087	.49341	-.00810	4.9109	.51051	.51734	.53413	.51178	2.4001
#2	.49445	.52378	1.0643	.54547	.54159	.49383	-.00919	4.9606	.50871	.51535	.53348	.51232	2.4129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **63.141**	F **1.1759**	**18.522**	**.49742**	**.52705**	F **5.9459**	**.54249**	**1.0550**	**1.0987**	**.02486**	**1.0671**	**1.0954**	**4.7488**
Stddev	.013	.0001	.015	.00051	.00273	.0042	.00270	.0021	.0057	.00287	.0018	.0064	.0020
%RSD	.02060	.01160	.08351	.10331	.51858	.07121	.49838	.20184	.51997	11.541	.16950	.58232	.04278
#1	63.132	1.1758	18.511	.49778	.52512	5.9429	.54057	1.0535	1.0947	.02283	1.0659	1.0908	4.7474
#2	63.151	1.1760	18.533	.49705	.52899	5.9489	.54440	1.0565	1.1027	.02689	1.0684	1.0999	4.7502
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.162**	**1.0451**	**.51158**	**.00668**	**.46563**	**1.0370**	**.02035**	**.48817**	**.45743**	**.48244**
Stddev	.004	.0052	.00131	.00223	.00081	.0077	.02531	.00064	.00302	.00089
%RSD	.04278	.49411	.25632	33.321	.17348	.74535	124.39	.13069	.65932	.18431
#1	10.159	1.0415	.51251	.00826	.46506	1.0316	.00245	.48862	.45956	.48307
#2	10.165	1.0488	.51065	.00511	.46620	1.0425	.03825	.48771	.45530	.48181
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6820.3**	**102080.**	**4869.6**
Stddev	1.9	551.	14.6
%RSD	.02727	.53960	.29994
#1	6821.6	101690.	4879.9
#2	6819.0	102470.	4859.2

Sample Name: CCB Acquired: 11/16/2013 13:57:25 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00066**	**.00111**	**.00197**	**.00051**	**-.00001**	**-.00246**	**.00388**	**.00012**	**-.00010**	**.00009**
Stddev	.00000	.00006	.00285	.00022	.00017	.00008	.00055	.00195	.00004	.00006	.00003
%RSD	2.6014	9.4411	255.79	11.352	33.553	578.20	22.228	50.286	31.813	58.014	38.877
#1	-.00010	.00061	.00313	.00213	.00039	.00004	-.00207	.00526	.00009	-.00006	.00006
#2	-.00011	.00070	-.00090	.00181	.00064	-.00007	-.00285	.00250	.00014	-.00014	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00163**	**.00334**	**.03056**	**-.00007**	**.00254**	**.00010**	**.00209**	W **.15059**	**.00027**	**.00094**	**.00159**
Stddev	.00027	.00084	.02073	.00446	.00012	.00004	.00044	.00082	.00012	.00092	.00131
%RSD	16.314	25.222	67.826	6323.9	4.5290	44.202	20.882	.54647	44.189	98.532	81.880
#1	-.00182	.00275	.04521	-.00323	.00262	.00013	.00178	.15001	.00019	.00028	.00067
#2	-.00145	.00394	.01590	.00309	.00246	.00007	.00239	.15117	.00036	.00159	.00252
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02334**	**.00239**	**.00364**	**.00442**	**.00946**	**.00103**	**.00008**	**.00063**	**.00009**	**-.00125**	**.01620**
Stddev	.00108	.00237	.00307	.00285	.00609	.00029	.00003	.00130	.00011	.00086	.00226
%RSD	4.6125	99.350	84.415	64.365	64.365	28.242	41.830	206.59	114.88	69.236	13.937
#1	.02410	.00071	.00582	.00241	.00516	.00083	.00006	-.00029	.00017	-.00064	.01460
#2	.02258	.00406	.00147	.00643	.01377	.00124	.00010	.00155	.00002	-.00186	.01779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00045**	**.00306**	W **.00277**
Stddev	.00017	.00042	.00064
%RSD	38.332	13.585	23.008
#1	-.00057	.00277	.00322
#2	-.00033	.00335	.00232
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.3**	**104680.**	**4813.3**
Stddev	1.1	364.	19.2
%RSD	.01567	.34801	.39826
#1	6884.6	104930.	4826.8
#2	6886.1	104420.	4799.7

Sample Name: CCVL2383195 Acquired: 11/16/2013 13:59:43 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.10921**	**.01519**	**.11242**	**.01077**	**.00111**	**.12490**	**.22236**	**.00547**	**.01067**	**.01104**	**.01421**	**.10397**
Stddev	.00020	.00006	.00115	.00025	.00003	.00016	.00112	.00057	.00004	.00009	.00007	.00046	.00711
%RSD	1.9575	.05753	7.6030	.22028	.28889	14.044	.89674	.25480	.76108	.86227	.64769	3.2166	6.8366
#1	.01007	.10925	.01437	.11259	.01075	.00100	.12569	.22276	.00550	.01074	.01109	.01453	.09895
#2	.01036	.10917	.01601	.11224	.01079	.00122	.12411	.22196	.00544	.01061	.01099	.01389	.10900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8289**	**.00948**	**.19527**	**.01032**	**.02129**	F **1.3213**	**.04474**	**3.1830**	**.01090**	**.01614**	**.01010**	**.01558**	**.48481**
Stddev	.0281	.00039	.00098	.00012	.00018	.0282	.00003	.0144	.00114	.00461	.00218	.00326	.00994
%RSD	.73399	4.0817	.50441	1.1540	.84330	2.1304	.06123	.45374	10.475	28.541	21.573	20.922	2.0497
#1	3.8091	.00976	.19597	.01040	.02142	1.3014	.04476	3.1933	.01009	.01940	.00856	.01788	.49183
#2	3.8488	.00921	.19458	.01023	.02116	1.3412	.04472	3.1728	.01171	.01288	.01165	.01327	.47778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0375**	**.11139**	**.01021**	**.01449**	**.00949**	**.01682**	**.07321**	**.00879**	**.02352**	**.01842**
Stddev	.0213	.00045	.00020	.00003	.00008	.00032	.00142	.00019	.00037	.00264
%RSD	2.0497	.40083	1.9811	.21171	.79234	1.9290	1.9446	2.1104	1.5641	14.347
#1	1.0525	.11107	.01007	.01451	.00944	.01705	.07421	.00866	.02378	.01655
#2	1.0225	.11170	.01035	.01447	.00955	.01659	.07220	.00892	.02326	.02029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7051.6**	**106760.**	**5013.5**
Stddev	22.8	902.	11.0
%RSD	.32278	.84481	.21950
#1	7067.7	106120.	5021.3
#2	7035.5	107400.	5005.7

Sample Name: mb 280-200074/1-a Acquired: 11/16/2013 14:02:06 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00197**	**.00023**	**.00123**	**.00040**	**-.00006**	**-.00252**	**.00813**	**.00019**	**-.00012**
Stddev	.00022	.00000	.00419	.00015	.00009	.00010	.00114	.00140	.00003	.00006
%RSD	278.17	.02436	1792.6	11.971	23.071	170.43	45.120	17.162	14.981	52.329
#1	.00024	.00197	-.00273	.00112	.00034	.00001	-.00333	.00912	.00021	-.00016
#2	-.00008	.00197	.00320	.00133	.00047	-.00013	-.00172	.00714	.00017	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00152**	**.00414**	**-.02619**	**-.00019**	**-.00053**	**.00008**	**.00038**	**.14174**	**-.00026**
Stddev	.00008	.00007	.00151	.05695	.00012	.00231	.00005	.00021	.01418	.00026
%RSD	221.00	4.8549	36.542	217.41	65.106	432.48	69.211	56.433	10.007	100.05
#1	.00009	-.00147	.00521	.01408	-.00010	.00110	.00012	.00023	.15177	-.00007
#2	-.00002	-.00157	.00307	-.06646	-.00028	-.00217	.00004	.00053	.13171	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**.00116**	**.01900**	**-.00199**	**.00117**	**-.01125**	**-.02408**	**.00029**	**.00015**	**.00092**
Stddev	.00034	.00040	.00297	.00306	.00537	.00424	.00907	.00029	.00004	.00130
%RSD	8.1909	34.560	15.612	153.85	459.47	37.654	37.654	98.162	26.432	141.14
#1	.00388	.00088	.02110	-.00416	.00496	-.01425	-.03049	.00049	.00018	.00000
#2	.00435	.00145	.01690	.00017	-.00263	-.00826	-.01767	.00009	.00012	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.00108**	**.00698**	**-.00067**	**.00577**	**.00291**
Stddev	.00033	.00025	.01220	.00007	.00001	.00283
%RSD	93.039	22.828	174.69	10.270	.12433	97.199
#1	-.00012	-.00090	.01561	-.00062	.00578	.00091
#2	-.00059	-.00125	-.00164	-.00072	.00577	.00491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.3**	**105170.**	**4849.0**
Stddev	20.5	148.	20.0
%RSD	.29599	.14039	.41150
#1	6915.8	105070.	4834.9
#2	6944.8	105280.	4863.1

Sample Name: lcs 280-200074/2-a Acquired: 11/16/2013 14:04:27 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04845**	**1.9542**	**1.0881**	**1.1039**	**2.1924**	**.04961**	**2.2502**	**48.839**	**.10146**	**.50306**
Stddev	.00009	.0017	.0027	.0006	.0019	.00012	.0112	.052	.00018	.00178
%RSD	.18231	.08678	.24573	.05643	.08524	.24503	.49691	.10655	.17512	.35417
#1	.04838	1.9530	1.0862	1.1043	2.1937	.04953	2.2581	48.802	.10159	.50180
#2	.04851	1.9554	1.0900	1.1035	2.1911	.04970	2.2423	48.876	.10134	.50432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21414**	**.26225**	**.96658**	F **65.232**	F **1.2070**	**46.748**	**.51787**	**1.0729**	F **66.490**	**.52756**
Stddev	.00068	.00107	.00611	.093	.0003	.153	.00088	.0004	.218	.00118
%RSD	.31562	.40708	.63229	.14212	.02628	.32754	.16969	.03834	.32773	.22427
#1	.21366	.26150	.96226	65.298	1.2072	46.856	.51849	1.0726	66.335	.52673
#2	.21462	.26301	.97090	65.167	1.2068	46.639	.51725	1.0732	66.644	.52840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400				56.000	
Low Limit				44.500	.89000				45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.727**	**.54230**	**.27475**	**.53491**	**2.2154**	**9.8261**	**21.028**	**2.1071**	**1.0353**	**.92974**
Stddev	.003	.00301	.00091	.00208	.0086	.0679	.145	.0150	.0006	.00160
%RSD	.02342	.55423	.32987	.38797	.38620	.69154	.69154	.71115	.05763	.17176
#1	10.725	.54018	.27539	.53345	2.2093	9.7780	20.925	2.0965	1.0349	.92861
#2	10.729	.54443	.27410	.53638	2.2214	9.8741	21.131	2.1177	1.0357	.93087
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95926**	**1.9898**	F **2.3999**	**.49517**	**.47378**	**.47707**
Stddev	.00007	.0149	.0062	.00054	.00382	.00098
%RSD	.00732	.75024	.26013	.10838	.80531	.20596
#1	.95931	1.9793	2.3955	.49479	.47647	.47638
#2	.95921	2.0004	2.4043	.49555	.47108	.47777
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6659.6**	**99292.**	**4809.6**
Stddev	6.2	100.	19.6
%RSD	.09363	.10117	.40803
#1	6664.0	99221.	4823.4
#2	6655.2	99364.	4795.7

Sample Name: 280-48948-a-1-a Acquired: 11/16/2013 14:06:35 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**4.4541**	**.00873**	**.04991**	**.14299**	**.00006**	**-.00931**	**91.228**	**.00094**	**.00685**
Stddev	.00018	.0415	.00032	.00008	.00002	.00007	.00104	.469	.00000	.00001
%RSD	248.16	.93290	3.6082	.16481	.01114	122.59	11.184	.51432	.34255	.08203
#1	.00006	4.4247	.00851	.04997	.14300	.00011	-.00857	90.896	.00095	.00685
#2	-.00020	4.4835	.00896	.04986	.14298	.00001	-.01004	91.560	.00094	.00686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00670**	**.01066**	**11.119**	**1.4381**	**.00790**	**35.638**	**2.7321**	**.01608**	**70.722**	**.00994**
Stddev	.00012	.00002	.095	.0231	.00063	.021	.0107	.00115	.435	.00002
%RSD	1.7215	.21753	.85665	1.6056	8.0044	.05896	.39362	7.1557	.61527	.24760
#1	.00678	.01065	11.051	1.4544	.00745	35.624	2.7245	.01527	71.029	.00996
#2	.00661	.01068	11.186	1.4217	.00835	35.653	2.7397	.01689	70.414	.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35213**	**.01407**	**46.999**	**.00028**	**.00845**	**13.478**	**28.843**	**.00170**	**.44490**	**.00060**
Stddev	.00315	.00108	.042	.00066	.00430	.060	.128	.00038	.00238	.00040
%RSD	.89432	7.6960	.08891	234.23	50.922	.44439	.44439	22.695	.53444	66.493
#1	.34990	.01331	47.028	.00075	.01149	13.520	28.934	.00142	.44322	.00088
#2	.35435	.01484	46.969	-.00018	.00541	13.436	28.752	.00197	.44658	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07029**	**.00009**	**-.00227**	**.00910**	**.01900**	**.00427**
Stddev	.00046	.00010	.00750	.00013	.00042	.00065
%RSD	.65925	103.22	329.96	1.4632	2.2259	15.185
#1	.06996	.00016	-.00758	.00920	.01930	.00473
#2	.07062	.00003	.00303	.00901	.01870	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.4**	**99953.**	**4890.9**
Stddev	10.3	132.	14.9
%RSD	.15410	.13251	.30430
#1	6659.1	99859.	4901.4
#2	6673.7	100050.	4880.4

Sample Name: 280-48948-a-2-a Acquired: 11/16/2013 14:09:02 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**7.6297**	**.02244**	**.10203**	**.33110**	**.00036**	**-.01170**	**91.534**	**.00106**	**.00545**
Stddev	.00042	.0355	.00190	.00091	.00001	.00005	.00063	.122	.00015	.00018
%RSD	153.37	.46577	8.4624	.89000	.00234	15.067	5.3817	.13365	14.129	3.3214
#1	-.00056	7.6548	.02378	.10268	.33111	.00040	-.01125	91.621	.00096	.00533
#2	.00002	7.6045	.02110	.10139	.33110	.00032	-.01214	91.448	.00117	.00558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01032**	**.01348**	**15.931**	**7.2853**	**.00996**	**17.528**	**.94602**	**.03018**	**12.258**	**.01671**
Stddev	.00001	.00006	.018	.0265	.00214	.048	.00109	.00029	.448	.00004
%RSD	.09843	.42066	.11396	.36331	21.525	.27579	.11497	.96008	3.6585	.25782
#1	.01032	.01344	15.944	7.3040	.01148	17.494	.94525	.03038	12.575	.01674
#2	.01031	.01352	15.918	7.2666	.00845	17.562	.94678	.02997	11.941	.01668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74195**	**.23191**	**17.969**	**.00165**	**.00731**	**21.224**	**45.419**	**.00088**	**.32688**	**.00047**
Stddev	.00631	.00203	.012	.00238	.00204	.085	.183	.00013	.00044	.00172
%RSD	.85022	.87591	.06432	144.24	27.901	.40228	.40228	14.917	.13502	364.29
#1	.74641	.23335	17.978	-.00003	.00876	21.163	45.290	.00097	.32719	.00169
#2	.73748	.23047	17.961	.00333	.00587	21.284	45.548	.00079	.32656	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13224**	**-.00089**	**.02385**	**.01830**	**.08033**	**.00792**
Stddev	.00084	.00024	.01823	.00007	.00140	.00036
%RSD	.63308	27.369	76.425	.35857	1.7373	4.5407
#1	.13164	-.00106	.03674	.01825	.07934	.00767
#2	.13283	-.00072	.01096	.01834	.08131	.00818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.4**	**102140.**	**4948.7**
Stddev	3.3	290.	1.8
%RSD	.04771	.28412	.03666
#1	6903.0	102340.	4947.4
#2	6907.7	101930.	4949.9

Sample Name: 280-48948-a-3-a Acquired: 11/16/2013 14:11:21 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**1.4649**	**.08022**	**.11238**	**.47913**	**.00003**	**-.01102**	**93.109**	**.00105**	**.00882**
Stddev	.00016	.0055	.00068	.00014	.00486	.00002	.00153	.869	.00007	.00028
%RSD	64.868	.37173	.84614	.12482	1.0141	82.665	13.845	.93369	6.2043	3.1858
#1	-.00036	1.4611	.07974	.11248	.48256	.00001	-.01210	93.723	.00100	.00862
#2	-.00013	1.4688	.08070	.11228	.47569	.00004	-.00994	92.494	.00109	.00902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**.00312**	**25.851**	**2.7354**	**.00643**	**77.487**	**.37818**	**.00959**	**80.163**	**.02854**
Stddev	.00014	.00021	.233	.0227	.00093	.407	.00233	.00023	.253	.00035
%RSD	5.3562	6.7196	.90003	.82838	14.517	.52576	.61629	2.3877	.31528	1.2402
#1	.00257	.00327	26.015	2.7515	.00709	77.775	.37982	.00943	79.984	.02829
#2	.00277	.00298	25.686	2.7194	.00577	77.199	.37653	.00975	80.341	.02879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2657**	**.02454**	**5.9483**	**.00334**	**.00362**	**12.939**	**27.690**	**.00020**	**.63835**	**-.00086**
Stddev	.0081	.00060	.0340	.00056	.00239	.024	.052	.00017	.00678	.00088
%RSD	.64307	2.4441	.57136	16.854	66.100	.18830	.18830	84.452	1.0617	101.55
#1	1.2599	.02497	5.9242	.00294	.00193	12.922	27.653	.00008	.64314	-.00148
#2	1.2714	.02412	5.9723	.00374	.00532	12.956	27.727	.00031	.63355	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01958**	**-.00146**	**-.00459**	**.00448**	**.05586**	**.00714**
Stddev	.00006	.00072	.00363	.00058	.00014	.00008
%RSD	.28328	49.009	79.123	12.862	.24964	1.0624
#1	.01954	-.00096	-.00715	.00408	.05595	.00720
#2	.01962	-.00197	-.00202	.00489	.05576	.00709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6690.2**	**99815.**	**4960.8**
Stddev	11.6	294.	60.2
%RSD	.17365	.29497	1.2134
#1	6698.4	99607.	4918.3
#2	6682.0	100020.	5003.4

Sample Name: 280-48948-a-4-a Acquired: 11/16/2013 14:13:40 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**1.7482**	**.00093**	**.08401**	**.10718**	**.00009**	**-.00488**	**65.759**	**.00068**	**.00110**
Stddev	.00040	.0014	.00028	.00040	.00048	.00005	.00232	.123	.00020	.00034
%RSD	251.82	.08262	30.240	.47541	.44650	54.819	47.581	.18667	29.790	31.019
#1	-.00012	1.7472	.00073	.08429	.10684	.00013	-.00324	65.845	.00083	.00086
#2	-.00044	1.7493	.00113	.08373	.10752	.00006	-.00652	65.672	.00054	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.01058**	**1.5535**	**2.3209**	**.01047**	**11.904**	**.35613**	**.01575**	**148.69**	**.00696**
Stddev	.00011	.00002	.0015	.0118	.00083	.020	.00030	.00024	.80	.00004
%RSD	5.1538	.19217	.09798	.50993	7.8836	.16725	.08524	1.5397	.53624	.51757
#1	.00201	.01057	1.5525	2.3125	.01105	11.890	.35634	.01558	149.25	.00699
#2	.00216	.01060	1.5546	2.3293	.00989	11.918	.35591	.01592	148.12	.00694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14184**	**.00272**	**38.657**	**.00191**	**.03340**	**8.3287**	**17.823**	**.00112**	**.27960**	**.00186**
Stddev	.00185	.00019	.010	.00114	.00033	.0725	.155	.00085	.00074	.00120
%RSD	1.3063	6.9040	.02667	59.772	.97901	.86992	.86992	76.069	.26377	64.333
#1	.14315	.00286	38.650	.00110	.03364	8.2775	17.714	.00052	.28012	.00271
#2	.14053	.00259	38.665	.00272	.03317	8.3799	17.933	.00173	.27907	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01635**	**-.00106**	**.01603**	**.00335**	**.01185**	**.00597**
Stddev	.00071	.00067	.01357	.00016	.00008	.00075
%RSD	4.3526	62.902	84.658	4.9133	.63318	12.513
#1	.01685	-.00059	.00643	.00347	.01191	.00650
#2	.01584	-.00153	.02563	.00324	.01180	.00544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6768.4**	**101750.**	**5050.3**
Stddev	10.7	224.	31.8
%RSD	.15829	.22032	.62989
#1	6775.9	101910.	5027.8
#2	6760.8	101590.	5072.8

Sample Name: 280-48948-a-5-a Acquired: 11/16/2013 14:16:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**1.7258**	**.00434**	**.08216**	**.10445**	**.00002**	**-.00501**	**64.584**	**.00055**	**.00102**
Stddev	.00003	.0048	.00211	.00096	.00056	.00007	.00125	.131	.00013	.00001
%RSD	10.051	.27812	48.584	1.1642	.53531	363.09	24.995	.20297	23.261	.55373
#1	-.00025	1.7292	.00583	.08283	.10405	-.00003	-.00590	64.677	.00046	.00102
#2	-.00029	1.7224	.00285	.08148	.10484	.00007	-.00413	64.492	.00064	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**.01038**	**1.5564**	**2.3013**	**.01101**	**11.638**	**.34996**	**.01539**	**145.35**	**.00689**
Stddev	.00008	.00019	.0034	.0350	.00186	.078	.00286	.00007	.64	.00001
%RSD	3.8496	1.8321	.21529	1.5211	16.882	.67259	.81630	.45065	.43892	.14990
#1	.00208	.01051	1.5540	2.2766	.01233	11.693	.35198	.01534	145.80	.00689
#2	.00197	.01024	1.5587	2.3261	.00970	11.583	.34794	.01543	144.90	.00690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14049**	**.00218**	**37.841**	**.00146**	**.02868**	**8.2481**	**17.651**	**.00123**	**.27410**	**.00171**
Stddev	.00034	.00047	.171	.00139	.00439	.0155	.033	.00010	.00108	.00045
%RSD	.24244	21.394	.45249	95.280	15.304	.18774	.18774	8.3160	.39374	26.533
#1	.14025	.00251	37.962	.00244	.03179	8.2372	17.628	.00116	.27487	.00203
#2	.14073	.00185	37.720	.00048	.02558	8.2591	17.674	.00130	.27334	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01680**	**-.00072**	**.03823**	**.00352**	**.02059**	**.00573**
Stddev	.00005	.00076	.01562	.00058	.00049	.00044
%RSD	.31898	105.02	40.856	16.544	2.4010	7.6600
#1	.01684	-.00019	.02719	.00393	.02094	.00604
#2	.01676	-.00126	.04928	.00311	.02024	.00542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6779.6**	**101370.**	**5035.1**
Stddev	14.2	738.	21.5
%RSD	.20918	.72844	.42714
#1	6769.5	100850.	5019.9
#2	6789.6	101890.	5050.3

Sample Name: 280-48948-a-6-a Acquired: 11/16/2013 14:18:22 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.17485**	**.00012**	**.11138**	**.12956**	**-.00005**	**-.00495**	**128.77**	**.00088**	**-.00014**
Stddev	.00015	.00054	.00008	.00123	.00014	.00001	.00055	.60	.00027	.00013
%RSD	28.316	.30969	63.886	1.1055	.10785	23.298	11.078	.46610	30.729	91.532
#1	-.00041	.17523	.00017	.11051	.12966	-.00004	-.00457	128.34	.00069	-.00005
#2	-.00062	.17447	.00006	.11225	.12946	-.00006	-.00534	129.19	.00107	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**.00603**	**.16817**	**9.8676**	**.01383**	**14.591**	**.01387**	**.02475**	**33.536**	**.00332**
Stddev	.00003	.00029	.00220	.0300	.00027	.045	.00002	.00001	.351	.00004
%RSD	2.1384	4.8342	1.3081	.30387	1.9770	.30508	.15441	.03338	1.0480	1.2129
#1	.00159	.00582	.16973	9.8464	.01402	14.559	.01386	.02476	33.785	.00329
#2	.00164	.00623	.16662	9.8888	.01364	14.622	.01389	.02474	33.288	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08044**	**.00128**	**39.831**	**.00196**	**.02998**	**12.830**	**27.456**	**.00076**	**.52089**	**.00034**
Stddev	.00018	.00029	.115	.00133	.00049	.048	.103	.00001	.00061	.00104
%RSD	.22065	22.443	.28882	67.841	1.6464	.37536	.37536	1.3070	.11689	307.05
#1	.08031	.00107	39.750	.00102	.03033	12.796	27.383	.00076	.52046	.00107
#2	.08056	.00148	39.912	.00290	.02963	12.864	27.529	.00077	.52132	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**-.00046**	**.03029**	**.00596**	**.01656**	**.00442**
Stddev	.00016	.00036	.00455	.00003	.00051	.00003
%RSD	8.9218	77.345	15.005	.57157	3.0757	.74019
#1	.00191	-.00021	.03350	.00593	.01620	.00440
#2	.00169	-.00072	.02708	.00598	.01692	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6725.4**	**102230.**	**5054.2**
Stddev	4.4	121.	26.3
%RSD	.06589	.11828	.51997
#1	6722.3	102320.	5072.8
#2	6728.6	102150.	5035.6

Sample Name: 280-48948-a-7-a Acquired: 11/16/2013 14:20:44 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.30484	.01418	.05223	.30607	-.00009	-.00782	89.782	.00093	-.00002
Stddev	.00031	.00033	.00010	.00004	.00119	.00013	.00134	.280	.00000	.00003
%RSD	1395.7	.10715	.73403	.07815	.38805	147.40	17.189	.31230	.51898	139.60
#1	.00024	.30507	.01410	.05220	.30523	.00000	-.00687	89.584	.00093	-.00004
#2	-.00020	.30461	.01425	.05226	.30691	-.00018	-.00877	89.980	.00093	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	.00101	16.620	.79317	.00515	36.495	.41592	.00181	41.597	.00094
Stddev	.00005	.00012	.030	.06152	.00046	.088	.00091	.00024	.062	.00020
%RSD	7.1028	11.720	.17871	7.7565	8.9214	.23988	.21841	13.255	.14816	21.514
#1	.00071	.00109	16.599	.83667	.00482	36.433	.41528	.00164	41.553	.00080
#2	.00078	.00092	16.641	.74967	.00547	36.557	.41657	.00198	41.640	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0850	.00066	40.690	-.00124	.00092	10.725	22.952	.00021	.20154	-.00116
Stddev	.0089	.00047	.154	.00078	.00005	.111	.238	.00083	.00069	.00015
%RSD	.82346	70.911	.37871	63.174	5.0230	1.0367	1.0367	394.66	.34423	12.567
#1	1.0787	.00099	40.581	-.00068	.00095	10.647	22.784	-.00038	.20105	-.00106
#2	1.0914	.00033	40.799	-.00179	.00089	10.804	23.120	.00080	.20204	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00504	-.00106	.02018	-.00034	.00869	.00432
Stddev	.00002	.00092	.00579	.00025	.00016	.00121
%RSD	.31370	86.186	28.696	73.328	1.8670	28.072
#1	.00505	-.00041	.02428	-.00016	.00858	.00518
#2	.00503	-.00171	.01609	-.00052	.00881	.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6697.4	101960.	5081.5
Stddev	4.7	85.	5.7
%RSD	.07027	.08294	.11220
#1	6700.7	102020.	5085.5
#2	6694.1	101900.	5077.4

Sample Name: CCVH-2382126 Acquired: 11/16/2013 14:23:04 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00936**	**49.319**	**-.00131**	**.00172**	**.00062**	**-.00013**	F **1.1084**	**.01817**	**.00093**	**-.00060**	**.00026**	**.02094**
Stddev	.00028	.241	.00056	.00052	.00011	.00001	.0043	.00904	.00003	.00001	.00010	.00009
%RSD	3.0042	.48947	43.003	30.335	18.395	4.6563	.38971	49.742	3.0868	1.7834	36.638	.44885
#1	-.00955	49.489	-.00091	.00135	.00070	-.00013	1.1054	.02456	.00095	-.00059	.00019	.02088
#2	-.00916	49.148	-.00171	.00209	.00054	-.00012	1.1115	.01178	.00091	-.00061	.00033	.02101
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.143**	**-.03280**	**.00209**	**.07684**	**.00106**	**.00011**	F **319.47**	**-.00042**	**.00363**	**.00218**	**5.2334**	**-.00253**
Stddev	.210	.01094	.00078	.00096	.00006	.00004	3.33	.00037	.00018	.00024	.0198	.00165
%RSD	.45617	33.344	37.232	1.2500	5.5245	32.160	1.0422	86.403	4.9306	11.043	.37914	65.323
#1	45.994	-.02507	.00154	.07616	.00110	.00009	321.82	-.00016	.00375	.00235	5.2193	-.00370
#2	46.291	-.04053	.00264	.07752	.00102	.00014	317.11	-.00068	.00350	.00201	5.2474	-.00136
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00469**	**.01751**	**.03747**	**.00039**	**.00038**	W **4.5618**	**.01816**	**.00190**	F **11.561**	**.00327**	**.00162**	**-.07620**
Stddev	.00120	.01641	.03511	.00020	.00001	.0041	.00032	.00038	.068	.00074	.00041	.00288
%RSD	25.622	93.725	93.725	50.056	2.0033	.09078	1.7689	19.859	.58969	22.761	25.467	3.7835
#1	-.00384	.02911	.06230	.00025	.00038	4.5647	.01839	.00216	11.513	.00379	.00133	-.07823
#2	-.00554	.00590	.01264	.00053	.00039	4.5588	.01794	.00163	11.609	.00274	.00192	-.07416
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6923.1**	**103400.**	**5211.1**
Stddev	27.2	402.	66.9
%RSD	.39338	.38906	1.2845
#1	6942.3	103120.	5163.7
#2	6903.8	103680.	5258.4

Sample Name: CCV-2372889 Acquired: 11/16/2013 14:25:29 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49658**	**.51780**	**1.0713**	**.54994**	**.54644**	**.49592**	**-.00962**	**4.9136**	**.51379**	**.51752**	**.53377**	**.51924**
Stddev	.00121	.00129	.0027	.00085	.00478	.00378	.00231	.0210	.00007	.00020	.00005	.00061
%RSD	.24316	.24924	.24927	.15441	.87491	.76207	24.049	.42651	.01422	.03887	.00844	.11823
#1	.49743	.51688	1.0695	.55054	.54983	.49859	-.01125	4.9284	.51374	.51766	.53380	.51967
#2	.49572	.51871	1.0732	.54934	.54306	.49324	-.00798	4.8988	.51384	.51738	.53374	.51880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4052**	F **63.209**	F **1.1848**	**18.327**	**.49475**	**.53196**	F **5.9293**	**.54245**	**1.0671**	W **1.1026**	**.01844**	**1.0827**
Stddev	.0094	.391	.0063	.058	.00105	.00027	.0643	.00391	.0006	.0011	.00286	.0010
%RSD	.39261	.61901	.53063	.31657	.21148	.05092	1.0849	.72172	.05200	.09811	15.492	.08990
#1	2.4119	63.485	1.1892	18.368	.49549	.53177	5.9748	.54522	1.0667	1.1018	.02046	1.0834
#2	2.3986	62.932	1.1803	18.286	.49401	.53215	5.8838	.53968	1.0674	1.1034	.01642	1.0820
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value		50.000	1.0000				5.0000			1.0000		
Range		10.490%	10.490%				10.490%			10.000%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1053**	**4.7245**	**10.110**	**1.0498**	**.51552**	**.00854**	**.46824**	**1.0500**	**.03677**	**.48959**	**.45129**	**.48668**
Stddev	.0063	.0101	.022	.0006	.00529	.00008	.00062	.0032	.00892	.00179	.00251	.00250
%RSD	.57399	.21470	.21470	.05588	1.0261	.89008	.13242	.30229	24.271	.36648	.55715	.51427
#1	1.1097	4.7316	10.126	1.0494	.51926	.00860	.46780	1.0478	.04308	.49086	.45307	.48845
#2	1.1008	4.7173	10.095	1.0502	.51178	.00849	.46868	1.0523	.03046	.48832	.44951	.48491
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000											
Range	10.490%											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6940.4**	**104980.**	**5142.7**
Stddev	14.3	101.	15.2
%RSD	.20592	.09602	.29612
#1	6950.5	105050.	5132.0
#2	6930.2	104910.	5153.5

Sample Name: CCB Acquired: 11/16/2013 14:27:37 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00113**	**-.00052**	**.00132**	**.00025**	**.00010**	**-.00152**	**.00198**	**.00036**	**-.00013**	**.00011**
Stddev	.00010	.00072	.00248	.00026	.00003	.00006	.00010	.00315	.00002	.00017	.00007
%RSD	192.01	63.702	481.64	20.016	12.537	58.518	6.6591	159.24	6.7093	133.46	68.743
#1	-.00012	.00163	.00124	.00151	.00023	.00014	-.00145	-.00025	.00037	-.00001	.00016
#2	.00002	.00062	-.00227	.00113	.00027	.00006	-.00159	.00421	.00034	-.00025	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00179**	**.00463**	**.06570**	**.00121**	**.00687**	**.00016**	**.00185**	W **.10913**	**.00003**	**.00142**	**.00085**
Stddev	.00012	.00203	.02625	.00294	.00985	.00021	.00041	.01342	.00006	.00057	.00079
%RSD	6.7996	43.887	39.959	243.48	143.37	129.15	22.076	12.300	175.30	40.125	92.565
#1	-.00188	.00607	.08426	.00329	.01384	.00031	.00156	.11862	-.00001	.00101	.00141
#2	-.00170	.00320	.04713	-.00087	-.00009	.00001	.00214	.09964	.00007	.00182	.00029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01648**	W **.00355**	**.00206**	**-.00328**	**-.00702**	**.00045**	**.00009**	**.00138**	**-.00011**	**-.00054**	**.02175**
Stddev	.00156	.00166	.00186	.01129	.02416	.00008	.00010	.00112	.00007	.00084	.03684
%RSD	9.4409	46.886	90.514	344.20	344.20	17.566	109.02	81.423	62.334	154.90	169.40
#1	.01538	.00237	.00074	-.01126	-.02410	.00050	.00002	.00058	-.00016	.00005	.04780
#2	.01758	.00472	.00338	.00470	.01006	.00039	.00017	.00217	-.00006	-.00113	-.00430
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00088**	**.00327**	W **.00459**
Stddev	.00016	.00008	.00167
%RSD	18.265	2.4040	36.469
#1	-.00077	.00321	.00577
#2	-.00099	.00332	.00340
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.5**	**107410.**	**5082.2**
Stddev	4.5	280.	54.0
%RSD	.06472	.26105	1.0631
#1	7020.7	107610.	5044.0
#2	7014.3	107210.	5120.4

Sample Name: CCVL2383195 Acquired: 11/16/2013 14:29:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01017**	**.10899**	**.01437**	**.11521**	**.01101**	**.00086**	F **.13030**	**.23571**	**.00565**	**.01077**	**.01100**	**.01479**	**.10026**
Stddev	.00012	.00014	.00123	.00030	.00036	.00006	.00077	.00210	.00006	.00020	.00002	.00016	.00001
%RSD	1.1664	.12479	8.5512	.25746	3.2347	6.7345	.59220	.89005	1.0670	1.8716	.20612	1.0519	.01019
#1	.01009	.10908	.01524	.11542	.01076	.00090	.12975	.23720	.00569	.01063	.01098	.01490	.10026
#2	.01026	.10889	.01350	.11500	.01126	.00082	.13084	.23423	.00561	.01092	.01101	.01468	.10027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8622**	**.01249**	**.21305**	**.01043**	**.02160**	**1.2811**	**.04539**	**3.2547**	**.01092**	**.01465**	**.01098**	**.01580**	**.50130**
Stddev	.0457	.00135	.01088	.00015	.00011	.0215	.00006	.0024	.00034	.00238	.00118	.00043	.01831
%RSD	1.1840	10.836	5.1077	1.4796	.50237	1.6795	.12965	.07438	3.1207	16.253	10.733	2.7417	3.6516
#1	3.8299	.01345	.22075	.01054	.02168	1.2658	.04543	3.2564	.01116	.01297	.01181	.01610	.51424
#2	3.8945	.01154	.20536	.01033	.02152	1.2963	.04534	3.2530	.01068	.01634	.01015	.01549	.48836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0728**	**.11271**	**.01041**	**.01604**	**.00991**	**.01756**	F **.08685**	**.00916**	**.02397**	**.01900**
Stddev	.0392	.00033	.00010	.00084	.00030	.00022	.02042	.00001	.00062	.00033
%RSD	3.6516	.29652	.97724	5.2124	3.0428	1.2554	23.515	.14542	2.5877	1.7122
#1	1.1005	.11295	.01034	.01663	.01012	.01772	.10129	.00917	.02353	.01923
#2	1.0451	.11247	.01048	.01545	.00970	.01741	.07241	.00915	.02440	.01877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7144.7**	**109060.**	**5189.3**
Stddev	14.0	269.	7.2
%RSD	.19534	.24655	.13818
#1	7154.6	109250.	5184.2
#2	7134.9	108870.	5194.4

Sample Name: 280-48948-a-8-a Acquired: 11/16/2013 14:32:17 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.16014**	**.01504**	**.06552**	**.36412**	**.00003**	**-.00698**	**85.752**	**.00102**	**.00118**
Stddev	.00052	.00125	.00099	.00024	.00460	.00005	.00109	.940	.00004	.00001
%RSD	134.36	.77781	6.6049	.35971	1.2627	170.35	15.561	1.0961	3.8730	1.0729
#1	-.00075	.16102	.01434	.06569	.36087	.00006	-.00775	85.088	.00099	.00119
#2	-.00002	.15926	.01574	.06536	.36737	-.00001	-.00621	86.417	.00104	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00177**	**7.5280**	**1.7496**	**.00226**	**34.255**	**2.4440**	**.00156**	**41.450**	**.00189**
Stddev	.00002	.00050	.0048	.0177	.00103	.076	.0004	.00008	.178	.00011
%RSD	2.9937	27.924	.06334	1.0144	45.294	.22109	.01465	5.2989	.43061	6.0478
#1	.00069	.00213	7.5313	1.7370	.00299	34.308	2.4443	.00162	41.576	.00181
#2	.00072	.00142	7.5246	1.7621	.00154	34.201	2.4438	.00150	41.323	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55742**	**.00085**	**22.696**	**-.00076**	**.00143**	**10.955**	**23.444**	**.00014**	**.21092**	**-.00052**
Stddev	.00336	.00050	.034	.00082	.00085	.022	.047	.00048	.00290	.00081
%RSD	.60331	59.127	.14905	108.60	59.161	.20254	.20254	350.24	1.3731	154.82
#1	.55980	.00120	22.720	-.00018	.00203	10.971	23.477	-.00020	.20887	.00005
#2	.55505	.00049	22.672	-.00134	.00083	10.939	23.410	.00047	.21297	-.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**-.00009**	**-.01329**	**.00093**	**.00814**	**.00550**
Stddev	.00014	.00014	.01358	.00044	.00023	.00035
%RSD	5.8674	153.27	102.20	46.783	2.8379	6.3437
#1	.00228	.00001	-.02289	.00124	.00831	.00575
#2	.00247	-.00019	-.00368	.00062	.00798	.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6748.9**	**101940.**	**5049.5**
Stddev	33.0	218.	45.7
%RSD	.48896	.21384	.90528
#1	6725.6	101780.	5081.8
#2	6772.2	102090.	5017.1

Sample Name: 280-48948-a-9-a Acquired: 11/16/2013 14:34:38 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.01451**	**.00825**	**.01848**	**.27152**	**-.00008**	**-.00511**	**82.163**	**.00075**	**-.00019**
Stddev	.00003	.00037	.00128	.00010	.00142	.00003	.00201	.547	.00014	.00005
%RSD	9.4163	2.5370	15.553	.54268	.52168	36.219	39.381	.66539	18.962	24.276
#1	-.00029	.01477	.00915	.01855	.27252	-.00009	-.00654	82.549	.00065	-.00015
#2	-.00034	.01425	.00734	.01841	.27051	-.00006	-.00369	81.776	.00085	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00118**	**4.8269**	**.71131**	**.00463**	**33.673**	**.15456**	**.00137**	**36.369**	**.00110**
Stddev	.00004	.00010	.0396	.05530	.00021	.086	.00046	.00010	.044	.00013
%RSD	17.166	8.1490	.82022	7.7738	4.4581	.25519	.29585	6.9679	.12124	11.999
#1	.00021	.00125	4.7989	.75041	.00478	33.734	.15488	.00143	36.338	.00100
#2	.00026	.00112	4.8549	.67221	.00449	33.612	.15424	.00130	36.400	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75284**	**.00016**	**25.090**	**.00050**	**.00107**	**9.1043**	**19.483**	**.00056**	**.19659**	**.00066**
Stddev	.00407	.00089	.007	.00096	.00186	.0283	.061	.00081	.00108	.00112
%RSD	.54014	555.50	.02869	190.82	172.77	.31101	.31101	145.53	.54989	170.13
#1	.75571	.00079	25.085	.00118	-.00024	9.0843	19.440	.00113	.19736	.00146
#2	.74996	-.00047	25.095	-.00018	.00239	9.1244	19.526	-.00002	.19583	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00086**	**.00433**	**-.00018**	**.01067**	**.00298**
Stddev	.00005	.00052	.01219	.00039	.00041	.00019
%RSD	17.911	60.333	281.51	224.09	3.8268	6.3771
#1	-.00023	-.00049	-.00429	-.00045	.01096	.00284
#2	-.00030	-.00122	.01295	.00010	.01038	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6775.8**	**102710.**	**5126.5**
Stddev	.0	313.	36.2
%RSD	.00054	.30486	.70569
#1	6775.8	102490.	5100.9
#2	6775.9	102940.	5152.1

Sample Name: 280-48948-a-11-a Acquired: 11/16/2013 14:37:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.09866**	**.03526**	**.01562**	**.66144**	**.00000**	**-.00826**	**104.04**	**.00083**	**.00056**
Stddev	.00014	.00042	.00094	.00019	.00014	.00001	.00162	.03	.00005	.00038
%RSD	72.970	.42463	2.6520	1.2045	.02183	237.31	19.659	.03250	6.2491	68.144
#1	-.00009	.09836	.03592	.01576	.66134	.00001	-.00941	104.02	.00079	.00082
#2	-.00030	.09896	.03460	.01549	.66154	.00000	-.00711	104.07	.00086	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00039**	**13.415**	**.82051**	**.00352**	**39.023**	**1.1280**	**.00139**	**39.250**	**.00093**
Stddev	.00028	.00004	.053	.02092	.00024	.119	.0012	.00016	.078	.00008
%RSD	60.593	9.8799	.39812	2.5500	6.7152	.30600	.10965	11.763	.19820	9.0047
#1	.00066	.00036	13.452	.80572	.00335	38.939	1.1271	.00128	39.305	.00087
#2	.00027	.00042	13.377	.83531	.00369	39.108	1.1289	.00151	39.195	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9976**	**.00965**	**25.229**	**-.00048**	**.00085**	**10.752**	**23.010**	**.00008**	**.23714**	**-.00080**
Stddev	.0028	.00110	.015	.00009	.00027	.014	.031	.00067	.00043	.00008
%RSD	.14190	11.372	.05978	19.409	31.991	.13321	.13321	786.33	.18202	9.9851
#1	1.9996	.00887	25.240	-.00054	.00104	10.742	22.989	-.00039	.23745	-.00074
#2	1.9956	.01043	25.219	-.00041	.00066	10.763	23.032	.00056	.23684	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**-.00082**	**.00510**	**.00001**	**.00926**	**.00588**
Stddev	.00037	.00060	.02247	.00028	.00008	.00181
%RSD	21.798	73.962	440.46	3218.2	.81274	30.797
#1	.00143	-.00039	-.01079	-.00019	.00931	.00717
#2	.00196	-.00124	.02099	.00021	.00921	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6768.1**	**101690.**	**5038.1**
Stddev	8.2	224.	37.8
%RSD	.12116	.22028	.74990
#1	6762.3	101850.	5011.4
#2	6773.9	101530.	5064.9

Sample Name: 280-48948-a-11-aSD@5 Acquired: 11/16/2013 14:39:22 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.05760**	**.00801**	**.00339**	**.15951**	**-.00006**	**-.00128**	**24.996**	**.00043**	**.00004**
Stddev	.00004	.00013	.00033	.00015	.00078	.00001	.00170	.244	.00031	.00015
%RSD	9.8552	.21958	4.1334	4.5688	.48965	19.128	133.03	.97767	73.817	374.00
#1	-.00036	.05769	.00777	.00328	.16006	-.00005	-.00008	25.169	.00020	-.00007
#2	-.00041	.05751	.00824	.00350	.15896	-.00006	-.00248	24.823	.00065	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00087**	**3.2654**	**.15553**	**.00190**	**9.4809**	**.27538**	**.00012**	**8.1950**	**.00011**
Stddev	.00007	.00047	.0017	.03734	.00027	.0155	.00021	.00005	.0680	.00003
%RSD	22.360	54.124	.05306	24.006	14.388	.16362	.07550	41.083	.82991	22.544
#1	.00025	-.00053	3.2642	.12913	.00210	9.4918	.27553	.00008	8.2431	.00013
#2	.00035	-.00120	3.2666	.18193	.00171	9.4699	.27523	.00015	8.1469	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47033**	**.00253**	**5.8480**	**-.00106**	**.00056**	**2.5001**	**5.3503**	**.00171**	**.05729**	**.00011**
Stddev	.00030	.00037	.0182	.00403	.00054	.0091	.0194	.00001	.00009	.00029
%RSD	.06446	14.656	.31087	381.47	96.902	.36283	.36283	.35832	.15164	259.14
#1	.47055	.00279	5.8609	.00179	.00018	2.5065	5.3640	.00172	.05736	-.00009
#2	.47012	.00227	5.8352	-.00391	.00094	2.4937	5.3366	.00171	.05723	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00029**	**.02930**	**-.00057**	**.00966**	**.00408**
Stddev	.00014	.00018	.01102	.00013	.00023	.00136
%RSD	34.625	62.588	37.591	23.191	2.4170	33.432
#1	.00052	-.00016	.02151	-.00066	.00950	.00312
#2	.00031	-.00042	.03709	-.00048	.00983	.00504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6979.5**	**105400.**	**5086.5**
Stddev	.7	431.	72.9
%RSD	.00944	.40912	1.4337
#1	6979.0	105090.	5035.0
#2	6980.0	105700.	5138.1

Sample Name: 280-48948-a-11-b ms Acquired: 11/16/2013 14:41:45 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05000**	**2.0460**	W **2.3778**	**1.1673**	**1.1349**	**2.9454**	**.05029**	F **2.2963**	**156.45**	**.10465**
Stddev	.00042	.0115	.0118	.0058	.0052	.0044	.00019	.0133	.28	.00092
%RSD	.84238	.55996	.49763	.49856	.45716	.14854	.38735	.57700	.17708	.87901
#1	.04970	2.0541	2.3694	1.1714	1.1386	2.9423	.05015	2.3056	156.25	.10530
#2	.05030	2.0379	2.3862	1.1632	1.1312	2.9485	.05043	2.2869	156.64	.10400
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50128**	**.21497**	**.27120**	**14.863**	**67.882**	**1.2710**	**87.481**	**1.6600**	**1.0852**	**108.28**
Stddev	.00101	.00113	.00044	.002	.136	.0006	.435	.0034	.0057	.28
%RSD	.20067	.52467	.16254	.01117	.19980	.05067	.49757	.20315	.52827	.26246
#1	.50199	.21577	.27088	14.862	67.786	1.2715	87.173	1.6576	1.0893	108.08
#2	.50057	.21417	.27151	14.865	67.977	1.2706	87.789	1.6624	1.0812	108.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52012**	W **13.201**	**.53889**	**26.459**	**.55003**	**2.2595**	**21.099**	**45.153**	W **2.0809**	**1.3124**
Stddev	.00117	.033	.00342	.070	.00578	.0154	.033	.071	.0100	.0015
%RSD	.22468	.25118	.63475	.26577	1.0501	.68342	.15834	.15834	.47874	.11651
#1	.52095	13.225	.54131	26.509	.55411	2.2704	21.076	45.102	2.0879	1.3113
#2	.51930	13.178	.53647	26.409	.54594	2.2486	21.123	45.203	2.0739	1.3135
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95121**	**.98221**	**1.9332**	**2.4778**	**.50301**	**.44681**	**.48821**
Stddev	.00020	.00043	.0146	.0218	.00039	.00341	.00185
%RSD	.02130	.04352	.75671	.87912	.07816	.76366	.37859
#1	.95107	.98251	1.9436	2.4624	.50329	.44439	.48952
#2	.95135	.98191	1.9229	2.4932	.50273	.44922	.48690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6647.5**	**99972.**	**5040.7**
Stddev	16.3	194.	32.0
%RSD	.24546	.19447	.63455
#1	6636.0	100110.	5063.4
#2	6659.1	99835.	5018.1

Sample Name: 280-48948-a-11-c msd Acquired: 11/16/2013 14:43:52 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04818**	**1.9675**	**1.1173**	**1.0955**	**2.7930**	**.04775**	F **2.2172**	**148.51**	**.10039**	**.47923**
Stddev	.00018	.0014	.0026	.0028	.0196	.00015	.0061	.78	.00010	.00152
%RSD	.37252	.07047	.22804	.25169	.69987	.31747	.27346	.52822	.10303	.31807
#1	.04805	1.9665	1.1155	1.0936	2.8068	.04764	2.2129	149.06	.10046	.47815
#2	.04831	1.9685	1.1191	1.0975	2.7792	.04786	2.2215	147.95	.10032	.48031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20555**	**.26136**	**14.111**	**64.628**	**1.2036**	**83.771**	**1.5954**	**1.0382**	**103.67**	**.49777**
Stddev	.00028	.00032	.081	.433	.0115	.017	.0006	.0009	.01	.00001
%RSD	.13655	.12293	.57647	.67068	.95855	.02003	.04076	.08624	.00494	.00243
#1	.20535	.26159	14.169	64.934	1.2118	83.783	1.5958	1.0375	103.68	.49776
#2	.20575	.26114	14.054	64.321	1.1955	83.759	1.5949	1.0388	103.67	.49778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.678**	**.51861**	**25.620**	**.52768**	**2.1893**	**20.260**	**43.356**	**1.9862**	**1.2427**	**.91240**
Stddev	.026	.00229	.029	.00307	.0124	.081	.173	.0036	.0104	.00110
%RSD	.20849	.44089	.11232	.58087	.56664	.39861	.39861	.18052	.83538	.12008
#1	12.659	.52022	25.600	.52551	2.1805	20.203	43.234	1.9837	1.2500	.91162
#2	12.697	.51699	25.641	.52985	2.1980	20.317	43.478	1.9888	1.2354	.91317
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93967**	**1.8671**	**2.3323**	**.48198**	**.42866**	**.46076**
Stddev	.00111	.0029	.0291	.00008	.00023	.00011
%RSD	.11822	.15610	1.2486	.01760	.05445	.02324
#1	.94045	1.8651	2.3528	.48204	.42850	.46083
#2	.93888	1.8692	2.3117	.48192	.42883	.46068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6711.3**	**99974.**	**5108.5**
Stddev	16.4	199.	46.3
%RSD	.24506	.19896	.90704
#1	6699.6	99834.	5075.8
#2	6722.9	100110.	5141.3

Sample Name: 280-48948-a-11-aPDS Acquired: 11/16/2013 14:45:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03872**	**1.1083**	**.26674**	**.12642**	**.80857**	**.05132**	**-.00931**	**128.16**	**.05471**	**.05242**
Stddev	.00033	.0006	.00043	.00022	.00705	.00013	.00035	.92	.00025	.00006
%RSD	.85723	.05609	.16173	.17021	.87225	.24670	3.7949	.71480	.45060	.11648
#1	.03895	1.1088	.26644	.12658	.81356	.05141	-.00956	128.81	.05454	.05246
#2	.03848	1.1079	.26705	.12627	.80358	.05123	-.00906	127.52	.05489	.05237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05547**	**.05679**	**14.878**	**28.097**	**.13487**	**59.411**	**1.2250**	**.05670**	**69.313**	**.05414**
Stddev	.00032	.00030	.093	.266	.00144	.005	.0014	.00084	.144	.00018
%RSD	.58050	.52298	.62802	.94525	1.0653	.00818	.11544	1.4869	.20727	.33525
#1	.05524	.05658	14.944	28.285	.13589	59.407	1.2240	.05610	69.415	.05427
#2	.05569	.05700	14.812	27.910	.13385	59.414	1.2260	.05729	69.212	.05401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3907**	**.11806**	**26.516**	**.10423**	**.23685**	**15.894**	**34.013**	**.10048**	**.30320**	**.19309**
Stddev	.0013	.00020	.062	.00074	.00111	.069	.147	.00080	.00261	.00420
%RSD	.02871	.16731	.23278	.70529	.46688	.43168	.43168	.79872	.85962	2.1771
#1	4.3916	.11792	26.559	.10475	.23607	15.942	34.117	.10105	.30504	.19011
#2	4.3898	.11820	26.472	.10371	.23763	15.845	33.909	.09992	.30136	.19606
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04989**	**.20317**	**.61873**	**.05157**	**.19289**	**.04944**
Stddev	.00031	.00014	.00524	.00002	.00140	.00053
%RSD	.61602	.06855	.84763	.03671	.72618	1.0725
#1	.05011	.20307	.62244	.05158	.19190	.04906
#2	.04967	.20327	.61502	.05155	.19388	.04981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6789.3**	**102300.**	**5138.0**
Stddev	8.7	125.	23.2
%RSD	.12792	.12241	.45154
#1	6783.2	102390.	5121.6
#2	6795.5	102220.	5154.4

Sample Name: 280-48948-a-12-a Acquired: 11/16/2013 14:48:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.11242**	**.01377**	**.05995**	**.15912**	**.00005**	**-.00450**	**103.63**	**.00314**	**.00248**
Stddev	.00048	.00003	.00072	.00021	.00043	.00006	.00139	1.23	.00005	.00016
%RSD	306.12	.02864	5.2592	.35280	.27025	125.99	30.828	1.1831	1.6436	6.3731
#1	.00050	.11244	.01325	.05980	.15943	.00001	-.00548	104.49	.00310	.00259
#2	-.00018	.11239	.01428	.06010	.15882	.00010	-.00352	102.76	.00317	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00179**	**5.1026**	**.67743**	**.00491**	**31.923**	**6.1813**	**.01043**	**36.679**	**.00348**
Stddev	.00005	.00018	.0137	.11360	.00165	.040	.0256	.00024	.288	.00010
%RSD	9.9797	10.226	.26817	16.770	33.500	.12465	.41504	2.3470	.78587	2.9549
#1	.00043	.00192	5.1123	.75776	.00375	31.952	6.1995	.01026	36.883	.00340
#2	.00050	.00166	5.0929	.59710	.00608	31.895	6.1632	.01061	36.475	.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7442**	**.00175**	**6.9177**	**.00163**	**.00089**	**10.757**	**23.020**	**.00041**	**.38316**	**-.00027**
Stddev	.0024	.00034	.0007	.00072	.00015	.001	.003	.00010	.00410	.00099
%RSD	.13758	19.290	.01055	44.171	17.277	.01277	.01277	24.786	1.0704	371.25
#1	1.7425	.00151	6.9172	.00112	.00078	10.756	23.018	.00034	.38606	-.00097
#2	1.7459	.00199	6.9182	.00214	.00100	10.758	23.022	.00048	.38026	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00223**	**-.00841**	**.00113**	**.02795**	**.00441**
Stddev	.00000	.00161	.00284	.00014	.00079	.00096
%RSD	.44729	72.144	33.723	12.116	2.8261	21.863
#1	.00103	.00109	-.00640	.00123	.02740	.00510
#2	.00102	.00337	-.01041	.00104	.02851	.00373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6978.8**	**105560.**	**5303.2**
Stddev	5.3	255.	82.6
%RSD	.07615	.24201	1.5578
#1	6982.6	105380.	5244.8
#2	6975.1	105740.	5361.6

Sample Name: CCVH-2382126 Acquired: 11/16/2013 14:50:41 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00964**	**48.319**	**-.00175**	**.00226**	**.00359**	**-.00002**	W **1.0951**	**.30248**	**.00094**	**-.00063**	**.00016**	**.02096**
Stddev	.00032	.160	.00262	.00031	.00421	.00013	.0021	.38643	.00006	.00020	.00012	.00028
%RSD	3.3045	.33038	149.47	13.788	117.21	620.48	.18846	127.75	6.0351	31.475	70.193	1.3240
#1	-.00986	48.432	.00010	.00204	.00062	-.00012	1.0966	.02924	.00090	-.00077	.00008	.02077
#2	-.00941	48.206	-.00361	.00248	.00657	.00007	1.0937	.57573	.00098	-.00049	.00025	.02116
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.435**	**.01566**	**.00348**	**.07695**	**.00163**	**.00059**	F **314.27**	**-.00022**	**.00580**	**.00286**	**5.1603**	**-.00389**
Stddev	.067	.08578	.00059	.00032	.00015	.00044	1.11	.00008	.00029	.00058	.0025	.00046
%RSD	.14736	547.77	17.042	.41236	9.0224	75.352	.35329	36.487	4.9317	20.396	.04912	11.833
#1	45.482	-.04500	.00306	.07717	.00173	.00027	315.06	-.00016	.00600	.00327	5.1585	-.00356
#2	45.388	.07632	.00390	.07672	.00153	.00090	313.49	-.00028	.00559	.00245	5.1621	-.00421
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00590**	**.03291**	**.07042**	**.00085**	**.00175**	W **4.5775**	**.01762**	**.00148**	F **11.523**	**.00344**	**.00167**	**-.07739**
Stddev	.00276	.03295	.07052	.00033	.00197	.0183	.00009	.00079	.052	.00032	.00003	.00333
%RSD	46.677	100.14	100.14	38.396	112.24	.39939	.53587	53.476	.45037	9.2291	1.8890	4.3036
#1	-.00395	.00961	.02056	.00062	.00036	4.5904	.01769	.00204	11.559	.00321	.00169	-.07975
#2	-.00785	.05621	.12029	.00108	.00314	4.5645	.01756	.00092	11.486	.00366	.00165	-.07504
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7036.2**	**103760.**	**5285.8**
Stddev	42.6	332.	12.0
%RSD	.60582	.32025	.22666
#1	7006.1	103520.	5294.3
#2	7066.4	103990.	5277.3

Sample Name: CCV-2372889 Acquired: 11/16/2013 14:53:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49405**	**.51097**	**1.0544**	**.54449**	**.54222**	**.48956**	**-.00929**	**4.8843**	**.50838**	**.51063**	**.52528**	**.51129**	**2.3742**
Stddev	.00116	.00043	.0038	.00296	.00359	.00342	.00066	.0466	.00081	.00049	.00041	.00129	.0113
%RSD	.23419	.08350	.35711	.54427	.66186	.69758	7.0639	.95442	.15869	.09646	.07879	.25301	.47531
#1	.49323	.51127	1.0571	.54659	.53968	.48715	-.00883	4.8514	.50781	.51097	.52558	.51038	2.3662
#2	.49487	.51066	1.0517	.54240	.54475	.49198	-.00976	4.9173	.50895	.51028	.52499	.51221	2.3822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **62.985**	F **1.1827**	**18.331**	**.49231**	**.52209**	F **5.9211**	**.53366**	**1.0444**	**1.0841**	**.01783**	**1.0619**	**1.0886**	**4.6712**
Stddev	.514	.0092	.008	.00012	.00356	.1136	.00554	.0065	.0072	.00044	.0063	.0055	.0391
%RSD	.81594	.78226	.04533	.02396	.68192	1.9188	1.0379	.62081	.66480	2.4852	.59635	.50708	.83728
#1	62.621	1.1761	18.337	.49239	.52461	5.8407	.53758	1.0490	1.0892	.01815	1.0663	1.0925	4.6435
#2	63.348	1.1892	18.325	.49222	.51957	6.0014	.52974	1.0398	1.0790	.01752	1.0574	1.0847	4.6988
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9963**	**1.0321**	**.51205**	**.00973**	**.46457**	**1.0344**	**.01114**	**.48438**	**.45101**	**.47615**
Stddev	.0837	.0104	.00393	.00003	.00083	.0072	.00321	.00182	.00190	.00416
%RSD	.83728	1.0085	.76715	.31550	.17962	.69740	28.801	.37672	.42130	.87328
#1	9.9371	1.0395	.50927	.00971	.46516	1.0395	.00887	.48567	.45235	.47321
#2	10.055	1.0247	.51483	.00975	.46397	1.0293	.01340	.48309	.44966	.47909
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7030.6**	**104960.**	**5038.7**
Stddev	15.2	184.	28.9
%RSD	.21666	.17496	.57354
#1	7019.8	104830.	5059.2
#2	7041.4	105090.	5018.3

Sample Name: CCB Acquired: 11/16/2013 14:55:17 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00070**	**.00167**	**.00122**	**.00009**	**.00007**	**-.00264**	**.00287**	**.00040**	**.00003**	**.00016**
Stddev	.00034	.00025	.00116	.00073	.00012	.00000	.00095	.00112	.00012	.00006	.00002
%RSD	201.15	35.432	69.555	60.253	127.78	.26639	35.922	39.121	29.854	214.52	10.838
#1	.00007	.00087	.00249	.00174	.00001	.00007	-.00331	.00366	.00032	-.00001	.00017
#2	-.00041	.00052	.00085	.00070	.00017	.00007	-.00197	.00207	.00048	.00007	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00153**	**.00378**	**-.01035**	**.00007**	**-.00037**	**.00008**	**.00187**	W **.09539**	**.00016**	**.00059**	**.00054**
Stddev	.00003	.00205	.02515	.00094	.00185	.00002	.00029	.00675	.00010	.00027	.00016
%RSD	1.9348	54.257	243.09	1343.0	496.81	22.291	15.694	7.0778	61.082	45.901	29.298
#1	-.00155	.00523	.00744	-.00059	.00093	.00007	.00166	.09061	.00023	.00040	.00043
#2	-.00151	.00233	-.02813	.00073	-.00168	.00009	.00207	.10016	.00009	.00078	.00065
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01348**	**.00180**	**.00305**	**-.01555**	**-.03328**	**.00034**	**.00006**	**.00082**	**.00001**	**-.00038**	**.00391**
Stddev	.00069	.00275	.00028	.02623	.05614	.00013	.00005	.00008	.00006	.00071	.00495
%RSD	5.1452	152.97	9.1860	168.70	168.70	38.916	87.178	9.6803	421.44	185.92	126.63
#1	.01397	-.00015	.00285	.00300	.00642	.00044	.00009	.00087	.00006	.00012	.00041
#2	.01299	.00374	.00325	-.03410	-.07298	.00025	.00002	.00076	-.00003	-.00089	.00741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00096**	**.00314**	F **.00507**
Stddev	.00032	.00023	.00076
%RSD	33.187	7.3111	14.963
#1	-.00073	.00330	.00561
#2	-.00118	.00298	.00454
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7094.8**	**107750.**	**5025.4**
Stddev	9.0	8.	26.2
%RSD	.12623	.00723	.52216
#1	7101.1	107760.	5043.9
#2	7088.5	107750.	5006.8

Sample Name: CCVL2383195 Acquired: 11/16/2013 14:57:38 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01017**	**.10764**	**.01568**	**.11341**	**.01102**	**.00099**	**.12834**	**.22866**	**.00572**	**.01071**	**.01078**	**.01484**	**.09716**
Stddev	.00012	.00030	.00087	.00072	.00017	.00011	.00062	.00126	.00012	.00005	.00005	.00021	.00210
%RSD	1.2144	.28170	5.5672	.63139	1.5841	10.754	.48330	.55160	2.0605	.43273	.49021	1.3823	2.1596
#1	.01026	.10742	.01506	.11290	.01115	.00107	.12878	.22955	.00564	.01067	.01075	.01469	.09864
#2	.01009	.10785	.01629	.11391	.01090	.00092	.12791	.22776	.00580	.01074	.01082	.01498	.09568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7506**	**.01154**	**.19496**	**.01010**	**.02140**	**1.2373**	**.04447**	**3.2025**	**.01061**	**.01180**	**.00980**	**.01647**	**.48965**
Stddev	.0758	.00124	.00051	.00000	.00030	.0218	.00017	.0151	.00051	.00049	.00018	.00020	.00367
%RSD	2.0202	10.754	.25997	.01932	1.4020	1.7614	.37651	.47197	4.8194	4.1726	1.8155	1.2097	.74906
#1	3.6970	.01242	.19532	.01010	.02118	1.2527	.04435	3.1918	.01097	.01146	.00967	.01661	.48706
#2	3.8042	.01067	.19460	.01010	.02161	1.2219	.04459	3.2132	.01024	.01215	.00992	.01633	.49225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0479**	**.11191**	**.01033**	**.01354**	**.00953**	**.01673**	F **.09889**	**.00908**	**.02380**	F **.02021**
Stddev	.0078	.00031	.00004	.00027	.00011	.00012	.02475	.00013	.00043	.00242
%RSD	.74906	.27885	.43489	2.0242	1.1246	.70717	25.025	1.4829	1.8129	11.948
#1	1.0423	.11169	.01036	.01335	.00945	.01665	.11639	.00917	.02349	.02192
#2	1.0534	.11213	.01030	.01373	.00960	.01682	.08139	.00898	.02410	.01851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7298.7**	**110120.**	**5191.3**
Stddev	7.3	346.	33.2
%RSD	.09977	.31436	.64040
#1	7303.9	109880.	5167.8
#2	7293.6	110370.	5214.8

Sample Name: 280-48948-a-13-a Acquired: 11/16/2013 14:59:59 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.02478**	**.00055**	**.01685**	**.20951**	**-.00006**	**-.00824**	**82.327**	**.00097**	**-.00010**
Stddev	.00015	.00001	.00183	.00017	.00224	.00008	.00261	.408	.00004	.00009
%RSD	107.71	.03783	334.64	.98133	1.0703	130.57	31.607	.49519	4.4955	90.618
#1	-.00024	.02478	.00184	.01674	.20792	-.00011	-.00640	82.039	.00094	-.00016
#2	-.00003	.02479	-.00075	.01697	.21109	.00000	-.01009	82.616	.00100	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00039**	**9.0661**	**.63076**	**.00465**	**29.177**	**1.8158**	**.00237**	**35.575**	**.00137**
Stddev	.00014	.00054	.0668	.01405	.00026	.194	.0169	.00000	.393	.00019
%RSD	43.859	137.76	.73657	2.2275	5.5819	.66581	.93263	.00876	1.1049	13.738
#1	.00022	.00077	9.1133	.62083	.00483	29.315	1.8278	.00237	35.852	.00124
#2	.00041	.00001	9.0189	.64070	.00446	29.040	1.8038	.00237	35.297	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6379**	**.00061**	**11.804**	**-.00018**	**.00055**	**12.384**	**26.503**	**.00078**	**.26890**	**-.00074**
Stddev	.0003	.00042	.000	.00209	.00027	.017	.037	.00079	.00185	.00155
%RSD	.02040	68.411	.00082	1147.3	48.839	.13835	.13835	100.70	.68972	210.06
#1	1.6381	.00031	11.804	.00130	.00074	12.372	26.477	.00023	.26759	.00036
#2	1.6377	.00090	11.804	-.00166	.00036	12.397	26.529	.00134	.27021	-.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00011**	**.01230**	**.00013**	**.01137**	**.00501**
Stddev	.00007	.00011	.03549	.00003	.00021	.00079
%RSD	66.086	102.43	288.63	26.614	1.8063	15.789
#1	.00006	.00003	-.01280	.00015	.01151	.00557
#2	.00016	.00018	.03740	.00010	.01122	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6947.8**	**102830.**	**5226.0**
Stddev	27.0	354.	25.5
%RSD	.38905	.34409	.48883
#1	6928.7	102580.	5208.0
#2	6966.9	103080.	5244.1

Sample Name: 280-48948-a-14-a Acquired: 11/16/2013 15:02:20 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.02032**	**.00074**	**.01731**	**.21019**	**-.00002**	**-.00742**	**84.701**	**.00108**	**.00013**
Stddev	.00041	.00005	.00019	.00035	.00020	.00004	.00085	.042	.00002	.00003
%RSD	340.88	.23969	26.155	2.0086	.09514	163.19	11.491	.05012	1.5690	24.819
#1	-.00017	.02035	.00060	.01756	.21005	.00000	-.00802	84.731	.00109	.00016
#2	.00041	.02028	.00087	.01706	.21033	-.00005	-.00682	84.671	.00107	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00052**	**9.1222**	**.68017**	**.00636**	**29.315**	**1.9207**	**.00230**	**36.069**	**.00149**
Stddev	.00004	.00010	.0121	.02454	.00081	.108	.0041	.00003	.151	.00021
%RSD	19.995	19.101	.13299	3.6077	12.768	.37000	.21475	1.1592	.41830	13.789
#1	.00025	.00045	9.1136	.66282	.00579	29.392	1.9236	.00228	35.962	.00163
#2	.00019	.00059	9.1307	.69752	.00693	29.238	1.9178	.00232	36.176	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6026**	**.00076**	**11.742**	**-.00091**	**.00088**	**12.726**	**27.233**	**.00007**	**.27545**	**-.00142**
Stddev	.0106	.00055	.000	.00037	.00105	.012	.025	.00026	.00024	.00060
%RSD	.65823	72.901	.00008	41.057	119.28	.09203	.09203	356.92	.08794	42.085
#1	1.6100	.00037	11.742	-.00064	.00014	12.734	27.250	.00026	.27562	-.00184
#2	1.5951	.00115	11.742	-.00117	.00162	12.717	27.215	-.00011	.27528	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00010**	**.01441**	**-.00014**	**.01230**	**.00387**
Stddev	.00025	.00011	.00008	.00010	.00014	.00172
%RSD	106.04	113.49	.55116	77.583	1.1023	44.458
#1	-.00006	-.00018	.01446	-.00006	.01240	.00265
#2	-.00042	-.00002	.01435	-.00021	.01221	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6945.2**	**103920.**	**5175.6**
Stddev	2.3	479.	11.8
%RSD	.03259	.46059	.22805
#1	6946.8	103580.	5167.3
#2	6943.6	104260.	5184.0

Sample Name: 280-48948-a-15-a Acquired: 11/16/2013 15:04:40 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.14606**	**.00747**	**.03734**	**.51553**	**-.00003**	**-.00848**	**129.39**	**.00160**	**.00083**
Stddev	.00021	.00064	.00037	.00048	.00605	.00006	.00016	1.84	.00010	.00001
%RSD	60.048	.43679	4.9142	1.2854	1.1737	187.44	1.9028	1.4249	6.4757	1.2220
#1	.00020	.14561	.00773	.03700	.51981	.00001	-.00859	130.69	.00153	.00083
#2	.00051	.14651	.00721	.03768	.51125	-.00007	-.00836	128.09	.00167	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00023**	**19.134**	**1.2797**	**.00711**	**41.145**	**5.5423**	**.00381**	**41.509**	**.00369**
Stddev	.00013	.00002	.247	.0282	.00113	.104	.0371	.00005	.068	.00012
%RSD	27.983	7.9704	1.2887	2.2008	15.957	.25334	.66927	1.2141	.16263	3.1281
#1	.00037	.00024	19.308	1.2598	.00630	41.219	5.5160	.00378	41.557	.00361
#2	.00055	.00022	18.959	1.2996	.00791	41.071	5.5685	.00384	41.461	.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5471**	**.00033**	**.50973**	**.00094**	**.00095**	**14.831**	**31.739**	**.00037**	**.42847**	**-.00177**
Stddev	.0061	.00065	.00055	.00137	.00045	.109	.233	.00001	.00416	.00242
%RSD	.39643	194.81	.10863	144.97	47.160	.73288	.73288	2.6460	.97074	137.00
#1	1.5428	-.00013	.51012	-.00002	.00063	14.908	31.903	.00036	.43141	-.00348
#2	1.5515	.00079	.50934	.00191	.00127	14.754	31.574	.00037	.42553	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**.00005**	**.01641**	**.00112**	**.00565**	**.00587**
Stddev	.00005	.00056	.00879	.00000	.00009	.00290
%RSD	1.7953	1113.2	53.553	.02630	1.6653	49.292
#1	.00281	.00044	.02263	.00112	.00571	.00792
#2	.00274	-.00034	.01020	.00112	.00558	.00383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.8**	**102390.**	**5173.8**
Stddev	2.2	402.	88.2
%RSD	.03169	.39221	1.7041
#1	6862.3	102110.	5111.4
#2	6865.4	102670.	5236.1

Sample Name: 280-48948-a-16-a Acquired: 11/16/2013 15:07:07 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.31646**	**.00615**	**.15961**	**.16584**	**.00001**	**-.00426**	**103.84**	**.00208**	**.00811**
Stddev	.00012	.00148	.00012	.00045	.00018	.00003	.00201	.91	.00011	.00005
%RSD	569.20	.46909	1.9611	.27919	.11119	340.98	47.277	.87439	5.2583	.56803
#1	.00006	.31541	.00606	.15993	.16597	.00003	-.00568	104.48	.00216	.00808
#2	-.00010	.31751	.00624	.15930	.16571	-.00001	-.00283	103.20	.00201	.00815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.01611**	**3.0870**	**.48939**	**.00436**	**54.492**	**2.8678**	**.00062**	**61.589**	**.00788**
Stddev	.00003	.00002	.0090	.01687	.00104	.046	.0031	.00034	.234	.00002
%RSD	3.3244	.13447	.29157	3.4478	23.942	.08412	.10712	54.606	.37947	.27738
#1	.00102	.01613	3.0806	.47746	.00510	54.459	2.8700	.00038	61.754	.00786
#2	.00107	.01610	3.0934	.50132	.00362	54.524	2.8657	.00086	61.423	.00790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14349**	**.00106**	**29.320**	**-.00093**	**.00245**	**13.349**	**28.566**	**.00160**	**.50622**	**.00060**
Stddev	.00050	.00033	.017	.00107	.00213	.062	.132	.00020	.00478	.00066
%RSD	.34900	31.364	.05643	115.08	86.795	.46330	.46330	12.804	.94400	110.95
#1	.14313	.00129	29.308	-.00168	.00095	13.305	28.473	.00174	.50960	.00013
#2	.14384	.00082	29.331	-.00017	.00396	13.393	28.660	.00145	.50284	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**-.00089**	**.01452**	**.00144**	**2.1884**	**.00367**
Stddev	.00020	.00028	.00300	.00036	.0079	.00023
%RSD	5.8153	31.809	20.654	25.120	.35914	6.3364
#1	.00358	-.00109	.01664	.00169	2.1940	.00384
#2	.00330	-.00069	.01240	.00118	2.1829	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6814.4**	**102870.**	**5227.5**
Stddev	1.2	181.	21.5
%RSD	.01813	.17603	.41048
#1	6813.6	103000.	5212.3
#2	6815.3	102740.	5242.7

Sample Name: 280-48948-a-17-a Acquired: 11/16/2013 15:09:31 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.71124**	**.02405**	**.41724**	**.32982**	**.00007**	**-.00857**	**131.81**	**.00077**	**.00298**
Stddev	.00001	.00576	.00081	.00075	.00063	.00001	.00052	.03	.00022	.00006
%RSD	5.5782	.81015	3.3539	.17966	.19232	10.867	6.0712	.02611	28.026	1.9647
#1	-.00025	.70717	.02462	.41671	.33027	.00008	-.00894	131.78	.00062	.00302
#2	-.00023	.71532	.02348	.41777	.32938	.00007	-.00821	131.83	.00092	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**.00296**	**12.237**	**9.1021**	**.00673**	**27.429**	**1.7234**	**.00552**	**35.785**	**.00301**
Stddev	.00005	.00014	.027	.0380	.00109	.029	.0037	.00030	.042	.00005
%RSD	4.4670	4.6570	.21686	.41725	16.130	.10424	.21196	5.4325	.11854	1.5831
#1	.00114	.00286	12.255	9.0752	.00597	27.409	1.7208	.00531	35.815	.00297
#2	.00122	.00305	12.218	9.1289	.00750	27.450	1.7260	.00573	35.755	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26063**	**.01219**	**5.4297**	**-.00086**	**.00205**	**13.254**	**28.364**	**.00101**	**.69848**	**.00001**
Stddev	.00175	.00044	.0348	.00029	.00282	.038	.081	.00003	.00098	.00030
%RSD	.67178	3.6366	.64134	33.160	137.98	.28404	.28404	2.7900	.14069	4984.2
#1	.25939	.01250	5.4051	-.00106	.00005	13.281	28.421	.00099	.69778	-.00020
#2	.26186	.01188	5.4543	-.00066	.00404	13.228	28.307	.00103	.69917	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**-.00106**	**-.00352**	**.00163**	**1.3273**	**.00511**
Stddev	.00014	.00092	.00306	.00002	.0087	.00046
%RSD	2.2444	86.724	86.907	.96906	.65366	9.0129
#1	.00614	-.00041	-.00136	.00164	1.3211	.00478
#2	.00634	-.00172	-.00569	.00162	1.3334	.00543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6870.2**	**103060.**	**5201.0**
Stddev	13.8	43.	7.1
%RSD	.20103	.04188	.13638
#1	6880.0	103030.	5206.0
#2	6860.4	103100.	5196.0

Sample Name: 280-48948-a-18-a Acquired: 11/16/2013 15:11:51 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.19092**	**.00187**	**.33260**	**.10061**	**.00004**	**-.00639**	**58.885**	**.00115**	**.00418**
Stddev	.00030	.00061	.00050	.00014	.00079	.00002	.00062	1.118	.00009	.00000
%RSD	158.03	.31815	26.996	.04171	.78969	47.794	9.6458	1.8980	8.2688	.00355
#1	.00041	.19135	.00151	.33270	.10005	.00002	-.00595	58.095	.00121	.00418
#2	-.00002	.19049	.00223	.33251	.10118	.00005	-.00682	59.675	.00108	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00207**	**1.8878**	**1.6277**	**.00354**	**21.221**	**4.4127**	**.00048**	**19.381**	**.00708**
Stddev	.00014	.00007	.0015	.0007	.00026	.108	.0206	.00008	.128	.00020
%RSD	10.284	3.3605	.08045	.04239	7.4518	.50756	.46599	16.289	.66076	2.7824
#1	.00127	.00202	1.8889	1.6272	.00372	21.297	4.4273	.00042	19.471	.00694
#2	.00147	.00212	1.8867	1.6282	.00335	21.144	4.3982	.00053	19.290	.00722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12287**	**.00310**	**53.253**	**-.00141**	**.00214**	**12.825**	**27.445**	**.00223**	**.27016**	**.00042**
Stddev	.00275	.00087	.061	.00060	.00138	.029	.062	.00047	.00463	.00002
%RSD	2.2393	28.187	.11391	42.415	64.339	.22612	.22612	21.298	1.7155	5.9362
#1	.12481	.00372	53.210	-.00184	.00117	12.804	27.401	.00256	.26688	.00043
#2	.12092	.00248	53.296	-.00099	.00311	12.845	27.489	.00189	.27343	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**.00077**	**-.00543**	**.00136**	**4.2400**	**.00334**
Stddev	.00008	.00047	.00621	.00020	.0549	.00053
%RSD	2.1666	61.716	114.43	14.811	1.2959	15.749
#1	.00381	.00043	-.00104	.00151	4.2789	.00372
#2	.00370	.00110	-.00982	.00122	4.2012	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6981.6**	**106130.**	**5301.7**
Stddev	13.3	888.	94.2
%RSD	.18986	.83702	1.7776
#1	6990.9	105500.	5368.4
#2	6972.2	106750.	5235.1

Sample Name: 280-48948-a-19-a Acquired: 11/16/2013 15:14:18 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**8.1154**	**.05523**	**.40735**	**.82393**	**.00028**	**-.01652**	**307.44**	**.00186**	**.00472**
Stddev	.00008	.0049	.00015	.00105	.00241	.00002	.00206	1.57	.00006	.00011
%RSD	16.495	.06005	.27184	.25738	.29286	8.6808	12.450	.50991	2.9718	2.3826
#1	.00045	8.1188	.05534	.40809	.82563	.00026	-.01507	308.54	.00182	.00464
#2	.00057	8.1119	.05513	.40661	.82222	.00030	-.01798	306.33	.00190	.00480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01885**	**.09767**	**59.934**	**25.944**	**.01716**	**66.348**	**6.0623**	**.00809**	**84.582**	**.01564**
Stddev	.00001	.00038	.471	.040	.00051	.247	.0333	.00004	.263	.00059
%RSD	.07620	.38740	.78649	.15498	2.9734	.37171	.54868	.45435	.31086	3.7688
#1	.01884	.09793	59.601	25.915	.01752	66.174	6.0388	.00811	84.396	.01606
#2	.01886	.09740	60.268	25.972	.01680	66.523	6.0858	.00806	84.768	.01522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3872**	**.16296**	**4.1381**	**.00241**	**.00349**	**25.225**	**53.981**	**.00367**	**1.2310**	**-.00628**
Stddev	.0222	.00082	.0185	.00177	.00090	.064	.138	.00068	.0006	.00023
%RSD	.50717	.50267	.44595	73.546	25.857	.25526	.25526	18.510	.04988	3.7303
#1	4.4029	.16354	4.1512	.00366	.00413	25.179	53.883	.00319	1.2314	-.00611
#2	4.3714	.16238	4.1251	.00116	.00285	25.270	54.078	.00415	1.2305	-.00644
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13793**	**-.00202**	**.01616**	**.01839**	**.21480**	**.00700**
Stddev	.00003	.00018	.00321	.00060	.00208	.00066
%RSD	.01962	9.0915	19.893	3.2383	.96761	9.4261
#1	.13791	-.00189	.01843	.01797	.21333	.00746
#2	.13795	-.00215	.01389	.01881	.21627	.00653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6894.9**	**103850.**	**5477.9**
Stddev	5.6	47.	1.3
%RSD	.08189	.04480	.02315
#1	6890.9	103880.	5477.0
#2	6898.9	103810.	5478.8

Sample Name: 280-48948-a-20-a Acquired: 11/16/2013 15:16:46 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.03031**	**-.00030**	**.02077**	**.02862**	**-.00005**	**-.00449**	**13.274**	**.01304**	**.00001**
Stddev	.00003	.00025	.00010	.00024	.00005	.00000	.00070	.034	.00009	.00008
%RSD	66.890	.81323	32.824	1.1556	.17803	.78988	15.708	.25519	.68978	648.14
#1	-.00003	.03048	-.00023	.02094	.02859	-.00005	-.00399	13.250	.01310	-.00005
#2	-.00008	.03014	-.00037	.02060	.02866	-.00005	-.00498	13.298	.01298	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00032**	**1.0118**	**4.9298**	**.03117**	**.77400**	**.10200**	**.00013**	**2.3992**	**.00070**
Stddev	.00015	.00030	.0033	.0473	.00034	.00363	.00024	.00020	.0001	.00013
%RSD	58.449	94.539	.32438	.95972	1.0879	.46959	.23181	148.87	.00504	19.089
#1	.00037	.00011	1.0141	4.8963	.03141	.77657	.10217	-.00001	2.3993	.00061
#2	.00015	.00054	1.0095	4.9633	.03093	.77143	.10184	.00028	2.3991	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06795**	**.00169**	**5.4405**	**.00006**	**.00180**	**.67460**	**1.4436**	**.00006**	**.11399**	**.00014**
Stddev	.00078	.00056	.0191	.00040	.00212	.00225	.0048	.00012	.00017	.00056
%RSD	1.1512	33.381	.35082	625.32	118.14	.33398	.33398	188.81	.14540	386.76
#1	.06740	.00129	5.4540	-.00022	.00330	.67300	1.4402	-.00002	.11388	.00054
#2	.06851	.00209	5.4270	.00034	.00030	.67619	1.4470	.00015	.11411	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00127**	**.01758**	**-.00068**	**.07172**	**.00409**
Stddev	.00022	.00019	.02525	.00011	.00022	.00220
%RSD	44.792	15.321	143.62	15.485	.31235	53.894
#1	.00034	-.00140	-.00027	-.00060	.07188	.00565
#2	.00066	-.00113	.03544	-.00075	.07156	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7188.9**	**109190.**	**5358.1**
Stddev	22.8	40.	64.7
%RSD	.31720	.03618	1.2066
#1	7205.0	109220.	5403.8
#2	7172.7	109160.	5312.4

Sample Name: 280-48948-a-21-a Acquired: 11/16/2013 15:19:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200074 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.73969**	**.00056**	**.01945**	**.04332**	**.00004**	**-.00554**	**11.748**	**.00047**	**.00020**
Stddev	.00032	.00134	.00045	.00036	.00034	.00002	.00053	.057	.00002	.00021
%RSD	1665.3	.18094	80.634	1.8544	.79419	59.577	9.4815	.48845	3.2461	108.10
#1	-.00021	.74063	.00088	.01971	.04307	.00002	-.00517	11.708	.00046	.00005
#2	.00025	.73874	.00024	.01920	.04356	.00006	-.00592	11.789	.00049	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.00376**	**2.1615**	**7.4865**	**.00115**	**2.1169**	**.09655**	**.00050**	**1.4714**	**.00368**
Stddev	.00007	.00009	.0022	.0378	.00180	.0095	.00006	.00006	.0059	.00019
%RSD	5.0272	2.4590	.10040	.50506	156.58	.44855	.05951	11.566	.40363	5.1964
#1	.00137	.00382	2.1600	7.4598	-.00012	2.1102	.09651	.00046	1.4672	.00354
#2	.00147	.00369	2.1631	7.5133	.00243	2.1236	.09659	.00054	1.4756	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2227**	**.00181**	**.67085**	**-.00153**	**.00058**	**3.5259**	**7.5455**	**.00040**	**.04138**	**.00123**
Stddev	.0076	.00033	.00147	.00026	.00069	.0204	.0438	.00019	.00018	.00081
%RSD	.61734	18.067	.21856	16.699	119.33	.57999	.57999	47.669	.42486	65.542
#1	1.2280	.00158	.67189	-.00135	.00107	3.5115	7.5145	.00054	.04126	.00180
#2	1.2173	.00204	.66981	-.00172	.00009	3.5404	7.5764	.00027	.04151	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02195**	**-.00167**	**.00611**	**.00358**	**.27896**	**.00626**
Stddev	.00012	.00083	.00438	.00025	.00034	.00201
%RSD	.52529	49.528	71.668	6.9649	.12244	32.035
#1	.02186	-.00226	.00301	.00340	.27920	.00768
#2	.02203	-.00109	.00920	.00375	.27871	.00485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7225.2**	**109590.**	**5335.4**
Stddev	9.4	71.	28.7
%RSD	.12974	.06462	.53879
#1	7218.5	109640.	5355.7
#2	7231.8	109540.	5315.0

Sample Name: CCVH-2382126 Acquired: 11/16/2013 15:21:31 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00846**	**48.503**	**-.00001**	**.00084**	**.00043**	**-.00006**	F **1.1080**	**.00040**	**.00104**	**-.00049**	**.00004**	**.02203**
Stddev	.00083	.359	.00208	.00031	.00001	.00006	.0014	.00357	.00020	.00017	.00001	.00051
%RSD	9.8057	.74098	14535.	37.183	2.4224	103.36	.12589	883.95	18.998	34.701	24.670	2.3133
#1	-.00904	48.758	.00145	.00106	.00044	-.00010	1.1090	-.00212	.00090	-.00062	.00004	.02239
#2	-.00787	48.249	-.00148	.00062	.00042	-.00002	1.1071	.00293	.00119	-.00037	.00005	.02167
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.434**	**-.02939**	**.00165**	**.08045**	**.00107**	**.00020**	F **317.41**	**-.00052**	**.00431**	**.00274**	**5.2039**	**-.00470**
Stddev	.210	.04128	.00168	.00091	.00007	.00003	1.88	.00017	.00033	.00005	.0191	.00266
%RSD	.46282	140.47	102.01	1.1308	6.4190	16.896	.59173	31.558	7.5751	1.9140	.36705	56.641
#1	45.286	-.05858	.00283	.08109	.00102	.00022	318.74	-.00064	.00408	.00270	5.1904	-.00282
#2	45.583	-.00020	.00046	.07981	.00112	.00017	316.09	-.00041	.00454	.00277	5.2174	-.00658
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None
Value							250.00					
Range							10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00675**	**.00130**	**.00278**	**.00033**	**.00031**	W **4.6350**	**.01665**	**.00112**	F **11.643**	**.00349**	**.00155**	**-.07454**
Stddev	.00095	.01972	.04221	.00067	.00009	.0119	.00024	.00059	.005	.00025	.00020	.00261
%RSD	14.071	1518.9	1518.9	203.64	29.136	.25660	1.4697	52.426	.04609	7.1938	12.844	3.4999
#1	-.00608	.01525	.03262	-.00014	.00024	4.6266	.01648	.00154	11.646	.00332	.00141	-.07638
#2	-.00743	-.01265	-.02707	.00080	.00037	4.6434	.01683	.00071	11.639	.00367	.00169	-.07269
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.3**	**103340.**	**5248.1**
Stddev	4.5	257.	54.3
%RSD	.06368	.24882	1.0339
#1	7016.4	103520.	5209.7
#2	7010.1	103160.	5286.5

Sample Name: CCV-2372889 Acquired: 11/16/2013 15:23:57 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50022**	**.50960**	**1.0552**	**.54960**	**.54661**	**.49146**	**-.00856**	**4.7886**	**.51624**	**.51271**	**.52573**	**.52224**	**2.3252**
Stddev	.00208	.00236	.0044	.00119	.00224	.00140	.00125	.0039	.00005	.00041	.00023	.00126	.0165
%RSD	.41490	.46249	.41447	.21681	.41051	.28509	14.572	.08218	.01042	.07919	.04348	.24212	.70804
#1	.50169	.50793	1.0583	.54876	.54502	.49047	-.00944	4.7858	.51621	.51243	.52557	.52313	2.3135
#2	.49875	.51126	1.0521	.55044	.54819	.49245	-.00767	4.7914	.51628	.51300	.52589	.52134	2.3368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **62.812**	F **1.1925**	**18.303**	**.48856**	**.52489**	F **5.8788**	**.53224**	**1.0557**	**1.0852**	**.01262**	**1.0913**	**1.0989**	**4.6283**
Stddev	.159	.0023	.084	.00067	.00014	.0196	.00267	.0018	.0008	.00217	.0012	.0062	.0452
%RSD	.25265	.19319	.45955	.13687	.02692	.33366	.50196	.16930	.07400	17.230	.10791	.56370	.97560
#1	62.700	1.1908	18.362	.48903	.52499	5.8649	.53413	1.0544	1.0857	.01108	1.0905	1.1033	4.5963
#2	62.925	1.1941	18.243	.48808	.52479	5.8926	.53035	1.0570	1.0846	.01416	1.0921	1.0945	4.6602
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	50.000	1.0000				5.0000							
Range	10.490%	10.490%				10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9045**	**1.0324**	**.51810**	**.00827**	**.46875**	**1.0494**	**.02387**	**.48509**	F **.44414**	**.47888**
Stddev	.0966	.0021	.00167	.00037	.00060	.0019	.03143	.00142	.00232	.00016
%RSD	.97560	.20138	.32169	4.4395	.12711	.18114	131.65	.29302	.52264	.03309
#1	9.8362	1.0310	.51692	.00801	.46917	1.0481	.00165	.48408	.44250	.47877
#2	9.9728	1.0339	.51928	.00853	.46833	1.0508	.04609	.48609	.44578	.47899
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value									.50000	
Range									-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7076.7**	**106020.**	**5194.1**
Stddev	8.6	312.	9.1
%RSD	.12115	.29402	.17451
#1	7070.7	105800.	5200.5
#2	7082.8	106240.	5187.7

Sample Name: CCB Acquired: 11/16/2013 15:26:06 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00010**	**.00091**	**.00039**	**-.00026**	**.00004**	**-.00187**	**.00500**	**.00030**	**-.00015**	**.00014**
Stddev	.00008	.00006	.00035	.00012	.00018	.00003	.00011	.00363	.00014	.00001	.00008
%RSD	46.658	56.028	38.240	31.620	69.490	69.097	5.9227	72.636	46.814	3.6443	57.345
#1	-.00012	-.00006	.00116	.00030	-.00038	.00002	-.00195	.00243	.00040	-.00015	.00008
#2	-.00023	-.00014	.00067	.00048	-.00013	.00007	-.00179	.00757	.00020	-.00015	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00144**	**.00180**	**-.03030**	**.00241**	**.00114**	**.00003**	**.00179**	**.06744**	**.00002**	**.00162**	**.00061**
Stddev	.00014	.00269	.00910	.00060	.00024	.00002	.00034	.01428	.00009	.00107	.00092
%RSD	10.017	149.69	30.035	25.043	21.444	48.906	19.001	21.171	424.88	65.591	152.40
#1	-.00134	-.00011	-.03673	.00198	.00097	.00004	.00155	.05734	.00009	.00238	.00126
#2	-.00154	.00370	-.02386	.00283	.00131	.00002	.00204	.07753	-.00004	.00087	-.00005
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01120**	**.00137**	**.00152**	**.00339**	**.00725**	**-.00009**	**-.00007**	**.00091**	**.00007**	**-.00033**	**.02237**
Stddev	.00203	.00012	.00133	.00423	.00905	.00010	.00007	.00096	.00014	.00090	.01744
%RSD	18.144	9.0810	87.824	124.92	124.92	110.96	106.16	105.75	198.00	276.51	77.966
#1	.00976	.00146	.00058	.00040	.00085	-.00002	-.00002	.00023	-.00003	.00031	.01004
#2	.01263	.00128	.00246	.00638	.01365	-.00017	-.00012	.00159	.00017	-.00096	.03470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00096**	**.00295**	F **.00515**
Stddev	.00018	.00002	.00044
%RSD	18.271	.74274	8.4669
#1	-.00109	.00296	.00484
#2	-.00084	.00293	.00546
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.00476
Low Limit			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7123.3**	**108720.**	**5188.5**
Stddev	3.9	197.	26.8
%RSD	.05533	.18145	.51639
#1	7126.1	108580.	5169.5
#2	7120.5	108860.	5207.4

Sample Name: CCVL2383195 Acquired: 11/16/2013 15:28:27 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10658**	**.01477**	**.11332**	**.01071**	**.00094**	**.12940**	**.22971**	**.00568**	**.01060**	**.01073**	**.01537**	**.09590**
Stddev	.00003	.00022	.00092	.00081	.00001	.00003	.00031	.00319	.00009	.00014	.00008	.00021	.00189
%RSD	.32508	.20325	6.2142	.71770	.13319	2.9788	.23766	1.3890	1.5626	1.3425	.73350	1.3359	1.9678
#1	.01037	.10642	.01542	.11275	.01072	.00092	.12918	.23196	.00574	.01050	.01079	.01552	.09723
#2	.01032	.10673	.01412	.11390	.01070	.00096	.12962	.22745	.00561	.01070	.01068	.01522	.09456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7400**	**.01159**	**.19411**	**.01001**	**.02116**	**1.2307**	**.04372**	**3.2083**	**.01014**	**.01018**	**.00937**	**.01706**	**.47302**
Stddev	.0255	.00111	.00063	.00002	.00019	.0098	.00032	.0025	.00032	.00074	.00013	.00024	.00665
%RSD	.68115	9.5359	.32250	.17485	.90954	.79946	.73909	.07838	3.1907	7.2478	1.3795	1.4174	1.4067
#1	3.7220	.01238	.19455	.01002	.02130	1.2238	.04349	3.2065	.00991	.01071	.00928	.01689	.46831
#2	3.7580	.01081	.19367	.00999	.02103	1.2377	.04395	3.2101	.01037	.00966	.00946	.01723	.47772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0123**	**.11040**	**.01041**	**.01375**	**.00948**	**.01600**	F **.07909**	**.00874**	**.02343**	**.01927**
Stddev	.0142	.00072	.00011	.00068	.00011	.00082	.02893	.00005	.00017	.00200
%RSD	1.4067	.65436	1.0751	4.9801	1.1963	5.1274	36.572	.61026	.72075	10.366
#1	1.0022	.10989	.01033	.01327	.00957	.01658	.05864	.00870	.02355	.02068
#2	1.0223	.11091	.01048	.01423	.00940	.01542	.09955	.00878	.02331	.01786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7333.7**	**110780.**	**5262.8**
Stddev	9.6	167.	21.7
%RSD	.13032	.15109	.41253
#1	7340.5	110660.	5278.2
#2	7327.0	110900.	5247.5

Sample Name: mb 280-200080/1-a Acquired: 11/16/2013 15:30:49 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00189**	**-.00163**	**-.00060**	**-.00019**	**-.00005**	**-.00061**	**.00266**	**.00029**	**-.00018**
Stddev	.00037	.00013	.00101	.00025	.00037	.00001	.00260	.00275	.00006	.00015
%RSD	94.349	7.0899	61.683	42.275	195.22	29.924	426.82	103.30	21.386	82.772
#1	.00013	.00180	-.00092	-.00042	-.00046	-.00004	.00123	.00072	.00034	-.00007
#2	.00066	.00199	-.00234	-.00078	.00007	-.00006	-.00245	.00461	.00025	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00056**	**.00993**	**-.02563**	**-.00001**	**.00005**	**.00007**	**.00017**	**.05191**	**.00024**
Stddev	.00002	.00020	.00064	.00365	.00188	.00132	.00007	.00003	.00150	.00030
%RSD	3.5521	35.425	6.4689	14.240	29043.	2435.8	106.63	19.590	2.8944	126.13
#1	.00065	-.00042	.00947	-.02821	.00132	-.00088	.00002	.00014	.05085	.00003
#2	.00062	-.00071	.01038	-.02305	-.00133	.00099	.00012	.00019	.05297	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**-.00005**	**.01196**	**-.00118**	**.00083**	**-.01055**	**-.02258**	**.00015**	**-.00002**	**.00131**
Stddev	.00058	.00019	.00264	.00118	.00183	.00985	.02109	.00023	.00005	.00124
%RSD	16.772	345.09	22.105	99.546	219.30	93.394	93.394	153.09	266.20	95.054
#1	.00307	.00008	.01383	-.00035	.00212	-.00358	-.00767	.00031	-.00005	.00219
#2	.00390	-.00019	.01009	-.00202	-.00046	-.01752	-.03749	-.00001	.00002	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00194**	**.00802**	**-.00074**	**.00394**	**.00427**
Stddev	.00020	.00009	.00447	.00033	.00043	.00018
%RSD	90.464	4.7690	55.731	44.695	10.945	4.2748
#1	-.00008	-.00188	.00486	-.00098	.00363	.00440
#2	-.00037	-.00201	.01118	-.00051	.00424	.00414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7247.5**	**111740.**	**5292.4**
Stddev	18.5	634.	18.3
%RSD	.25482	.56744	.34592
#1	7234.5	111290.	5279.5
#2	7260.6	112190.	5305.4

Sample Name: lcs 280-200080/2-a Acquired: 11/16/2013 15:33:09 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04936	1.9043	1.1030	F 1.1265	2.1974	.04891	2.3413	46.810	.10400	.50276
Stddev	.00021	.0041	.0039	.0026	.0121	.00007	.0010	.301	.00012	.00016
%RSD	.41563	.21366	.35215	.23027	.55282	.13522	.04406	.64338	.11270	.03169
#1	.04951	1.9014	1.1003	1.1247	2.2060	.04886	2.3406	47.023	.10392	.50265
#2	.04922	1.9072	1.1058	1.1284	2.1888	.04895	2.3421	46.597	.10408	.50287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1050						
Low Limit				.86000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21134	.26879	.93333	F 64.244	F 1.2169	F 45.935	.48371	1.0652	F 65.655	.52070
Stddev	.00055	.00068	.00043	.405	.0062	.105	.00015	.0010	.287	.00009
%RSD	.26133	.25314	.04591	.62975	.50521	.22961	.03164	.09542	.43729	.01786
#1	.21095	.26927	.93363	64.530	1.2213	45.860	.48360	1.0660	65.452	.52076
#2	.21173	.26831	.93303	63.958	1.2126	46.009	.48382	1.0645	65.858	.52063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				57.000	1.1400	56.500			56.000	
Low Limit				44.500	.89000	46.000			45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.905	.53415	.00917	W .55017	F 2.2592	9.4495	20.222	2.0580	1.0367	.92700
Stddev	.015	.00112	.00024	.00085	.0031	.0114	.024	.0041	.0060	.00269
%RSD	.13468	.20898	2.6060	.15528	.13671	.12087	.12087	.19791	.57539	.29003
#1	10.895	.53336	.00900	.55078	2.2570	9.4415	20.205	2.0551	1.0409	.92510
#2	10.915	.53494	.00934	.54957	2.2614	9.4576	20.239	2.0608	1.0325	.92890
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.54000	2.2400					
Low Limit				.44000	1.7000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95823	2.0060	F 2.4725	.49151	.43335	.47468
Stddev	.00267	.0009	.0007	.00058	.00266	.00078
%RSD	.27865	.04678	.03010	.11808	.61365	.16373
#1	.95634	2.0053	2.4720	.49192	.43147	.47523
#2	.96012	2.0066	2.4730	.49110	.43523	.47413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6941.7	105040.	5345.1
Stddev	25.1	546.	38.8
%RSD	.36153	.51998	.72564
#1	6959.4	105430.	5317.7
#2	6923.9	104660.	5372.5

Sample Name: 280-48948-a-1-c Acquired: 11/16/2013 15:35:16 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00994**	**.00802**	**.04674**	**.11742**	**.00001**	**-.00366**	**87.071**	**.00088**	**.00582**
Stddev	.00030	.00004	.00055	.00052	.00019	.00009	.00062	.043	.00002	.00014
%RSD	423.12	.38584	6.8043	1.1186	.16167	873.22	16.917	.04926	2.1067	2.3344
#1	.00014	.00997	.00764	.04711	.11729	-.00005	-.00410	87.102	.00087	.00592
#2	-.00029	.00992	.00841	.04637	.11756	.00007	-.00322	87.041	.00090	.00572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00242**	**7.9160**	**.86904**	**.00561**	**35.620**	**2.7481**	**.01487**	**68.741**	**.00726**
Stddev	.00007	.00018	.0069	.03830	.00061	.004	.0108	.00072	.016	.00029
%RSD	40.332	7.5358	.08679	4.4067	10.803	.01075	.39154	4.8286	.02366	4.0007
#1	.00021	.00229	7.9208	.89612	.00518	35.617	2.7405	.01436	68.753	.00746
#2	.00012	.00255	7.9111	.84196	.00604	35.623	2.7557	.01537	68.730	.00705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19764**	**.00048**	**47.438**	**-.00170**	**.00610**	**6.7308**	**14.404**	**.00093**	**.44330**	**.00038**
Stddev	.00049	.00046	.341	.00074	.00111	.0445	.095	.00004	.00034	.00042
%RSD	.24938	95.620	.71880	43.477	18.225	.66087	.66087	3.9887	.07596	110.95
#1	.19729	.00016	47.679	-.00117	.00531	6.7622	14.471	.00095	.44306	.00008
#2	.19799	.00081	47.197	-.00222	.00689	6.6993	14.337	.00090	.44354	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00031**	**.02180**	**.00030**	**.01159**	**.00598**
Stddev	.00010	.00108	.01961	.00032	.00016	.00012
%RSD	137.55	344.26	89.949	105.77	1.4176	2.0115
#1	-.00014	.00108	.03567	.00008	.01147	.00589
#2	.00000	-.00045	.00793	.00052	.01170	.00606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6852.3**	**103920.**	**5350.1**
Stddev	4.0	204.	.4
%RSD	.05785	.19618	.00727
#1	6849.4	104060.	5349.8
#2	6855.1	103770.	5350.4

Sample Name: 280-48948-a-2-c Acquired: 11/16/2013 15:37:43 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.01102**	**.01910**	**.09591**	**.22009**	**-.00006**	**-.00560**	**78.354**	**.00048**	**.00115**
Stddev	.00036	.00034	.00030	.00043	.00022	.00001	.00199	.289	.00005	.00006
%RSD	237.48	3.0756	1.5581	.44353	.09821	15.355	35.543	.36858	9.7843	5.3880
#1	-.00040	.01078	.01889	.09560	.21994	-.00005	-.00700	78.558	.00045	.00119
#2	.00010	.01126	.01931	.09621	.22025	-.00007	-.00419	78.150	.00051	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00150**	**7.2146**	**5.4599**	**.00413**	**15.200**	**.74967**	**.02535**	**10.443**	**12.112**
Stddev	.00004	.00038	.0418	.0037	.00042	.026	.00051	.00008	.003	.373
%RSD	10.342	25.507	.57988	.06744	10.072	.17265	.06806	.30400	.02621	3.0766
#1	.00037	.00177	7.2442	5.4625	.00383	15.181	.74931	.02529	10.441	12.375
#2	.00043	.00123	7.1850	5.4573	.00442	15.218	.75003	.02540	10.445	11.848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**.36310**	**.00309**	**17.483**	**.00254**	**.00230**	**7.3472**	**15.723**	**.00001**	**.29122**
Stddev	.00028	.00031	.00047	.031	.00167	.00063	.0360	.077	.00029	.00018
%RSD	4.0517	.08603	15.206	.17762	65.756	27.479	.49063	.49063	2770.1	.06036
#1	.00671	.36287	.00342	17.461	.00373	.00274	7.3727	15.777	.00021	.29134
#2	.00710	.36332	.00276	17.505	.00136	.00185	7.3217	15.668	-.00019	.29109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00010**	**-.00040**	**.01589**	**.00150**	**.01037**	**.00347**
Stddev	.00073	.00026	.00079	.03154	.00010	.00004	.00027
%RSD	110.25	271.92	197.00	198.54	6.9397	.40554	7.7007
#1	.00117	-.00009	.00016	.03819	.00143	.01034	.00328
#2	.00015	.00028	-.00096	-.00642	.00157	.01040	.00366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7005.4**	**105580.**	**5320.5**
Stddev	15.7	82.	18.9
%RSD	.22350	.07729	.35581
#1	7016.5	105640.	5307.1
#2	6994.3	105520.	5333.8

Sample Name: 280-48948-a-3-c Acquired: 11/16/2013 15:40:05 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.05263**	**.07448**	**.11426**	**.41986**	**.00003**	**-.00740**	**88.527**	**.00112**	**.00798**
Stddev	.00008	.00023	.00279	.00042	.00008	.00008	.00133	.193	.00008	.00014
%RSD	22.726	.43849	3.7393	.36347	.01980	254.20	17.933	.21784	7.1711	1.7337
#1	-.00028	.05280	.07251	.11455	.41992	-.00002	-.00834	88.391	.00106	.00808
#2	-.00039	.05247	.07645	.11397	.41980	.00009	-.00646	88.664	.00117	.00788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00163**	**21.752**	**2.6722**	**.00659**	**75.355**	**.35684**	**.00958**	**79.764**	**.02737**
Stddev	.00001	.00000	.046	.0057	.00083	.221	.00079	.00011	.185	.00005
%RSD	1.4093	.02823	.21319	.21183	12.578	.29352	.22134	1.1150	.23195	.17200
#1	.00059	.00163	21.719	2.6682	.00717	75.512	.35740	.00950	79.895	.02740
#2	.00060	.00163	21.785	2.6762	.00600	75.199	.35629	.00965	79.633	.02734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66747**	**.00193**	**6.1742**	**.00081**	**.00346**	**10.351**	**22.152**	**.00056**	**.62884**	**-.00174**
Stddev	.00350	.00059	.0101	.00033	.00194	.015	.033	.00035	.00098	.00009
%RSD	.52509	30.748	.16276	40.788	56.041	.14695	.14695	62.999	.15560	5.2678
#1	.66499	.00151	6.1813	.00104	.00483	10.362	22.175	.00031	.62815	-.00180
#2	.66995	.00234	6.1671	.00058	.00209	10.340	22.129	.00081	.62954	-.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00104**	**.03259**	**.00108**	**.02260**	**.00499**
Stddev	.00001	.00043	.00300	.00007	.00008	.00094
%RSD	10.546	41.515	9.2102	6.5974	.37541	18.938
#1	-.00010	-.00074	.03046	.00113	.02266	.00566
#2	-.00011	-.00135	.03471	.00103	.02254	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6874.5**	**103570.**	**5318.5**
Stddev	22.7	307.	11.2
%RSD	.32971	.29645	.20971
#1	6858.4	103360.	5326.4
#2	6890.5	103790.	5310.6

Sample Name: 280-48948-a-4-c Acquired: 11/16/2013 15:42:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.01294**	**.00178**	**.07915**	**.09456**	**-.00001**	**-.00252**	**60.314**	**.00062**	**.00086**
Stddev	.00014	.00014	.00019	.00014	.00006	.00001	.00052	.197	.00008	.00007
%RSD	123.27	1.1011	10.434	.17999	.06763	95.741	20.543	.32725	13.037	8.4987
#1	-.00001	.01284	.00191	.07904	.09452	-.00002	-.00289	60.454	.00056	.00080
#2	-.00021	.01304	.00165	.07925	.09461	.00000	-.00216	60.175	.00067	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00780**	**.45237**	**2.0366**	**.00860**	**10.874**	**.32526**	**.01494**	**142.41**	**.00619**
Stddev	.00011	.00004	.00624	.0472	.00064	.016	.00036	.00007	.48	.00027
%RSD	40.603	.57663	1.3786	2.3161	7.4284	.14298	.11140	.45658	.33970	4.2918
#1	.00034	.00784	.44796	2.0032	.00815	10.863	.32501	.01489	142.76	.00601
#2	.00019	.00777	.45678	2.0699	.00906	10.885	.32552	.01499	142.07	.00638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33353**	**-.00056**	**37.839**	**.00011**	**.02845**	**4.8343**	**10.345**	**.00010**	**.26388**	**-.00061**
Stddev	.00204	.00066	.026	.00133	.00299	.0325	.070	.00017	.00174	.00048
%RSD	.61248	116.60	.06786	1237.3	10.511	.67278	.67278	165.60	.65783	78.899
#1	.33497	-.00103	37.821	-.00083	.03056	4.8113	10.296	.00023	.26511	-.00095
#2	.33208	-.00010	37.857	.00105	.02633	4.8573	10.395	-.00002	.26265	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00056**	**.03942**	**.00050**	**.00878**	**.00555**
Stddev	.00016	.00049	.01227	.00021	.00002	.00148
%RSD	69.443	86.496	31.134	41.782	.20996	26.627
#1	-.00034	-.00022	.04810	.00065	.00877	.00450
#2	-.00012	-.00090	.03074	.00035	.00879	.00659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6939.2**	**104130.**	**5310.1**
Stddev	6.8	332.	7.9
%RSD	.09774	.31846	.14837
#1	6944.0	104360.	5315.7
#2	6934.4	103890.	5304.5

Sample Name: 280-48948-a-5-c Acquired: 11/16/2013 15:44:47 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.01222**	**.00087**	**.08607**	**.10096**	**-.00001**	**-.00336**	**64.529**	**.00073**	**.00097**
Stddev	.00038	.00010	.00083	.00007	.00038	.00000	.00009	.097	.00006	.00008
%RSD	1720.4	.82000	94.831	.08676	.38020	22.463	2.6423	.15080	7.9057	8.0362
#1	.00025	.01230	.00029	.08601	.10069	-.00002	-.00330	64.598	.00077	.00103
#2	-.00029	.01215	.00145	.08612	.10124	-.00001	-.00343	64.460	.00069	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00812**	**.43879**	**2.1144**	**.01155**	**11.704**	**.35021**	**.01616**	**150.34**	**.00614**
Stddev	.00014	.00002	.00059	.0173	.00269	.041	.00098	.00024	.40	.00027
%RSD	49.331	.18992	.13499	.81819	23.258	.34700	.27889	1.4604	.26610	4.3221
#1	.00018	.00813	.43837	2.1022	.01345	11.733	.35090	.01632	150.62	.00633
#2	.00038	.00811	.43921	2.1266	.00965	11.675	.34952	.01599	150.06	.00595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05636**	**.00033**	**41.019**	**.00147**	**.03005**	**5.1715**	**11.067**	**.00055**	**.28532**	**-.00093**
Stddev	.00048	.00015	.014	.00066	.00093	.0447	.096	.00014	.00094	.00041
%RSD	.85194	45.099	.03432	44.563	3.1001	.86538	.86538	25.086	.33108	44.015
#1	.05602	.00022	41.009	.00101	.02939	5.1398	10.999	.00065	.28599	-.00122
#2	.05670	.00043	41.029	.00193	.03071	5.2031	11.135	.00045	.28465	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.00112**	**.04169**	**.00041**	**.00710**	**.00520**
Stddev	.00004	.00079	.01801	.00000	.00017	.00008
%RSD	14.912	70.264	43.203	.46285	2.4413	1.5251
#1	-.00027	-.00168	.05443	.00041	.00722	.00526
#2	-.00033	-.00056	.02896	.00041	.00697	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6909.2**	**104410.**	**5403.1**
Stddev	5.1	259.	10.2
%RSD	.07331	.24780	.18929
#1	6912.8	104230.	5410.3
#2	6905.7	104600.	5395.9

Sample Name: 280-48948-a-6-c Acquired: 11/16/2013 15:47:10 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.01159**	**.00189**	**.10871**	**.12257**	**-.00001**	**-.00428**	**118.28**	**.00053**	**-.00004**
Stddev	.00018	.00011	.00122	.00027	.00034	.00001	.00083	1.28	.00010	.00011
%RSD	239.33	.93453	64.636	.24898	.27863	138.94	19.280	1.0797	18.923	241.66
#1	-.00021	.01151	.00103	.10851	.12281	-.00002	-.00487	119.18	.00046	-.00012
#2	.00005	.01166	.00275	.10890	.12233	.00000	-.00370	117.38	.00060	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00568**	**.01630**	**9.2965**	**.01185**	**13.747**	**.00986**	**.02381**	**33.284**	**.00392**
Stddev	.00013	.00005	.00274	.0236	.00033	.030	.00004	.00030	.313	.00023
%RSD	10.997	.95401	16.816	.25416	2.7809	.21790	.39381	1.2646	.93975	5.7466
#1	.00129	.00564	.01436	9.2798	.01208	13.726	.00989	.02359	33.506	.00376
#2	.00110	.00572	.01824	9.3132	.01162	13.769	.00984	.02402	33.063	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29146**	**.00037**	**39.958**	**.00056**	**.03340**	**11.777**	**25.202**	**-.00052**	**.49556**	**-.00085**
Stddev	.00158	.00042	.319	.00092	.00167	.091	.195	.00013	.00416	.00060
%RSD	.54062	113.89	.79722	166.39	5.0099	.77443	.77443	25.209	.83911	70.150
#1	.29035	.00067	39.733	-.00010	.03458	11.841	25.340	-.00042	.49850	-.00127
#2	.29258	.00007	40.184	.00121	.03222	11.712	25.064	-.00061	.49262	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00066**	**.02997**	**.00517**	**.01599**	**.00334**
Stddev	.00016	.00065	.00148	.00024	.00010	.00016
%RSD	37.990	99.526	4.9402	4.6460	.62339	4.8228
#1	-.00052	-.00112	.03102	.00534	.01592	.00346
#2	-.00030	-.00019	.02893	.00500	.01606	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6946.2**	**105820.**	**5450.9**
Stddev	28.4	147.	91.6
%RSD	.40854	.13926	1.6798
#1	6966.3	105920.	5386.2
#2	6926.2	105710.	5515.7

Sample Name: CCVH-2382126 Acquired: 11/16/2013 15:49:34 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00859**	**49.354**	**.00131**	**.00102**	**.00012**	**-.00013**	F **1.1403**	**.01856**	**.00099**	**-.00069**	**.00026**	**.02276**
Stddev	.00062	.204	.00005	.00047	.00019	.00004	.0139	.00140	.00001	.00007	.00000	.00008
%RSD	7.2217	.41272	3.5088	46.390	166.17	31.708	1.2151	7.5331	1.0303	10.347	.18442	.35025
#1	-.00903	49.498	.00134	.00136	.00025	-.00010	1.1501	.01757	.00098	-.00074	.00026	.02282
#2	-.00815	49.210	.00127	.00069	-.00002	-.00015	1.1305	.01955	.00100	-.00064	.00026	.02270
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.140**	**-.03855**	**.00216**	**.08157**	**.00115**	**.00046**	F **322.70**	**-.00024**	**.00383**	**.00202**	W **5.3481**	**-.00364**
Stddev	.152	.00164	.00403	.00405	.00002	.00008	1.07	.00023	.00235	.00065	.0723	.00197
%RSD	.32861	4.2624	186.88	4.9599	1.4453	17.805	.33286	95.518	61.522	32.017	1.3514	54.217
#1	46.032	-.03972	.00500	.07871	.00116	.00051	323.46	-.00008	.00216	.00248	5.3992	-.00504
#2	46.247	-.03739	-.00069	.08443	.00114	.00040	321.94	-.00041	.00549	.00156	5.2970	-.00225
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00536**	**-.00247**	**-.00528**	**.00040**	**.00047**	W **4.7427**	**.01766**	**.00090**	F **12.100**	**.00320**	**.00195**	**-.07425**
Stddev	.00061	.00046	.00097	.00067	.00003	.0103	.00016	.00091	.003	.00035	.00020	.00243
%RSD	11.324	18.474	18.474	166.59	5.7729	.21809	.88627	100.40	.02328	10.851	10.381	3.2665
#1	-.00493	-.00279	-.00596	.00088	.00049	4.7354	.01755	.00154	12.102	.00345	.00209	-.07253
#2	-.00579	-.00214	-.00459	-.00007	.00045	4.7500	.01777	.00026	12.098	.00295	.00181	-.07596
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7015.1**	**105180.**	**5528.8**
Stddev	64.9	264.	40.1
%RSD	.92582	.25135	.72616
#1	6969.2	105000.	5500.5
#2	7061.1	105370.	5557.2

Sample Name: CCV-2372889 Acquired: 11/16/2013 15:52:00 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50309**	**.51254**	**1.0686**	F **.55250**	**.54950**	**.48869**	**-.00959**	**4.8196**	**.52082**	**.52020**	**.53070**	**.52626**
Stddev	.00173	.00022	.0009	.00091	.00178	.00091	.00025	.0158	.00016	.00107	.00024	.00141
%RSD	.34481	.04337	.08527	.16503	.32476	.18683	2.6533	.32835	.03146	.20623	.04574	.26699
#1	.50432	.51270	1.0692	.55185	.55076	.48933	-.00941	4.8308	.52070	.52096	.53087	.52726
#2	.50187	.51238	1.0680	.55314	.54824	.48804	-.00977	4.8084	.52094	.51945	.53053	.52527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.490%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3520**	F **62.587**	F **1.1930**	**18.522**	**.49537**	**.53316**	F **5.9172**	**.53723**	**1.0636**	**1.0885**	**.01471**	W **1.1044**
Stddev	.0040	.120	.0039	.143	.00186	.00122	.0133	.00321	.0012	.0017	.00252	.0006
%RSD	.16816	.19128	.32718	.77448	.37476	.22935	.22390	.59727	.11592	.15671	17.158	.05718
#1	2.3548	62.672	1.1957	18.623	.49669	.53402	5.9266	.53950	1.0627	1.0873	.01292	1.1048
#2	2.3493	62.503	1.1902	18.421	.49406	.53229	5.9078	.53497	1.0644	1.0897	.01649	1.1039
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn
Value		50.000	1.0000				5.0000					1.0000
Range		10.490%	10.490%				10.490%					10.000%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1072**	**4.6653**	**9.9838**	**1.0449**	**.52145**	**.00704**	**.48026**	**1.0602**	**.00874**	**.49475**	**.45113**	**.49187**
Stddev	.0019	.0055	.0117	.0027	.00017	.00150	.00157	.0032	.00886	.00115	.00143	.00032
%RSD	.17237	.11676	.11676	.25812	.03192	21.322	.32703	.30415	101.37	.23180	.31680	.06422
#1	1.1059	4.6692	9.9921	1.0468	.52133	.00597	.48137	1.0579	.01500	.49556	.45214	.49165
#2	1.1086	4.6615	9.9756	1.0430	.52157	.00810	.47915	1.0624	.00247	.49394	.45012	.49209
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000											
Range	10.490%											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7093.1**	**105920.**	**5313.7**
Stddev	1.4	388.	39.0
%RSD	.01963	.36584	.73354
#1	7092.1	105650.	5286.1
#2	7094.1	106200.	5341.2

Sample Name: CCB Acquired: 11/16/2013 15:54:09 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00028**	**.00159**	**.00022**	**-.00018**	**.00002**	**-.00147**	**.00056**	**.00030**	**-.00005**	**.00007**	**-.00127**	**.00028**
Stddev	.00002	.00021	.00005	.00018	.00011	.00003	.00033	.00416	.00002	.00005	.00014	.00010	.00028
%RSD	20.795	75.373	3.0815	81.542	58.022	174.17	22.560	739.69	5.7987	96.599	187.98	7.8855	99.773
#1	.00009	-.00013	.00163	.00009	-.00011	.00000	-.00123	.00350	.00031	-.00008	-.00002	-.00134	.00008
#2	.00013	-.00042	.00156	.00034	-.00026	.00004	-.00170	-.00238	.00028	-.00001	.00017	-.00120	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04608**	**.00150**	**-.00148**	**.00001**	**.00189**	**.07842**	**.00009**	**.00132**	**.00018**	**.01114**	**.00124**	**.00386**	**.00530**
Stddev	.01465	.00055	.00089	.00003	.00042	.00669	.00019	.00073	.00118	.00169	.00104	.00220	.02792
%RSD	31.803	36.646	60.469	370.04	21.990	8.5257	210.02	55.578	657.27	15.122	83.439	56.830	527.20
#1	-.05644	.00111	-.00084	-.00001	.00160	.08314	-.00004	.00080	.00101	.00995	.00198	.00541	.02504
#2	-.03572	.00189	-.00211	.00003	.00219	.07369	.00023	.00183	-.00066	.01234	.00051	.00231	-.01445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01133**	**.00021**	**.00006**	**.00075**	**.00001**	**-.00008**	**.02057**	**-.00057**	**.00315**	F **.00535**
Stddev	.05975	.00011	.00009	.00042	.00011	.00029	.01004	.00030	.00004	.00006
%RSD	527.20	52.899	139.33	56.359	809.37	355.78	48.834	52.994	1.2299	1.1519
#1	.05359	.00029	.00000	.00045	-.00006	.00012	.02767	-.00079	.00312	.00540
#2	-.03092	.00013	.00012	.00104	.00009	-.00029	.01346	-.00036	.00318	.00531
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit										.00476
Low Limit										-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7161.4**	**108040.**	**5227.2**
Stddev	69.9	528.	25.3
%RSD	.97573	.48847	.48466
#1	7112.0	107670.	5245.2
#2	7210.8	108410.	5209.3

Sample Name: CCVL2383195 Acquired: 11/16/2013 15:56:31 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01067**	**.11231**	**.01588**	**.11500**	**.01068**	**.00088**	F **.13088**	**.22632**	**.00567**	**.01093**	**.01101**	**.01502**	**.09810**
Stddev	.00037	.00667	.00151	.00114	.00000	.00002	.00034	.00335	.00014	.00021	.00006	.00004	.00056
%RSD	3.4472	5.9346	9.5051	.99196	.02316	1.8874	.25956	1.4803	2.3936	1.9128	.53143	.23394	.56917
#1	.01041	.11703	.01481	.11420	.01068	.00090	.13112	.22869	.00577	.01107	.01106	.01505	.09770
#2	.01092	.10760	.01695	.11581	.01068	.00087	.13064	.22395	.00558	.01078	.01097	.01500	.09849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7401**	**.01267**	**.19594**	**.01016**	**.02165**	**1.2441**	**.04448**	**3.2370**	**.01061**	**.01641**	**.00919**	**.01780**	**.48492**
Stddev	.0386	.00305	.00053	.00006	.00004	.0077	.00030	.0095	.00018	.00829	.00016	.00073	.01831
%RSD	1.0333	24.086	.27080	.58318	.18627	.61793	.67395	.29493	1.7174	50.538	1.7725	4.1115	3.7755
#1	3.7128	.01051	.19632	.01011	.02162	1.2387	.04469	3.2302	.01049	.02228	.00907	.01831	.49786
#2	3.7675	.01483	.19557	.01020	.02168	1.2496	.04427	3.2437	.01074	.01055	.00930	.01728	.47197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0377**	**.11213**	**.01047**	**.01352**	**.00986**	**.01705**	F **.11404**	**.00901**	**.02391**	F **.01967**
Stddev	.0392	.00038	.00019	.00001	.00006	.00119	.01844	.00003	.00013	.00084
%RSD	3.7755	.33612	1.7960	.06204	.64040	7.0020	16.172	.37383	.55380	4.2514
#1	1.0654	.11187	.01060	.01353	.00981	.01621	.12708	.00903	.02400	.01908
#2	1.0100	.11240	.01033	.01351	.00990	.01790	.10099	.00899	.02382	.02026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7355.9**	**111280.**	**5327.3**
Stddev	22.9	341.	5.9
%RSD	.31086	.30672	.11116
#1	7372.1	111520.	5323.1
#2	7339.7	111030.	5331.5

Sample Name: 280-48948-a-7-c Acquired: 11/16/2013 15:58:53 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.01315**	**.00974**	**.04889**	**.27716**	**-.00006**	**-.00548**	**84.731**	**.00080**	**-.00021**
Stddev	.00019	.00005	.00017	.00037	.00019	.00002	.00110	.064	.00000	.00019
%RSD	2279.9	.36949	1.7723	.76339	.06757	30.684	20.049	.07538	.49319	90.991
#1	.00014	.01311	.00962	.04915	.27702	-.00005	-.00470	84.686	.00080	-.00008
#2	-.00012	.01318	.00986	.04862	.27729	-.00008	-.00626	84.776	.00080	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00000**	**13.624**	**.66955**	**.00403**	**34.537**	**.37762**	**.00181**	**41.144**	**.00081**
Stddev	.00001	.0001	.028	.03013	.00030	.088	.00179	.00032	.106	.00019
%RSD	2.8447	9545.9	.20726	4.5007	7.5363	.25406	.47292	17.569	.25877	23.785
#1	.00025	.00011	13.604	.69086	.00382	34.599	.37888	.00159	41.219	.00094
#2	.00026	-.00011	13.644	.64824	.00425	34.475	.37636	.00203	41.068	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0333**	**.00008**	**39.441**	**-.00127**	**-.00043**	**9.7287**	**20.819**	**.00043**	**.19520**	**-.00090**
Stddev	.0026	.00022	.055	.00022	.00014	.0060	.013	.00052	.00095	.00080
%RSD	.25396	288.70	.13874	17.548	31.871	.06157	.06157	120.60	.48887	88.025
#1	1.0314	-.00008	39.402	-.00111	-.00033	9.7330	20.829	.00080	.19452	-.00147
#2	1.0351	.00023	39.479	-.00143	-.00053	9.7245	20.810	.00006	.19587	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00068**	**.01606**	**-.00097**	**.00787**	**.00572**
Stddev	.00030	.00043	.01633	.00011	.00021	.00080
%RSD	37.697	63.653	101.68	11.023	2.6377	13.919
#1	-.00100	.00038	.02761	-.00090	.00802	.00628
#2	-.00058	.00099	.00451	-.00105	.00772	.00516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.5**	**103800.**	**5197.0**
Stddev	18.0	117.	2.2
%RSD	.26121	.11300	.04309
#1	6892.2	103710.	5195.4
#2	6866.8	103880.	5198.6

Sample Name: 280-48948-a-8-c Acquired: 11/16/2013 16:01:14 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00795**	**.01732**	**.06582**	**.36083**	**-.00001**	**-.00653**	**84.308**	**.00094**	**.00019**
Stddev	.00001	.00017	.00093	.00083	.00193	.00004	.00058	.126	.00000	.00016
%RSD	11.357	2.1371	5.3443	1.2551	.53549	298.97	8.8561	.14918	.29126	82.731
#1	-.00012	.00783	.01798	.06524	.35946	.00002	-.00612	84.219	.00094	.00008
#2	-.00014	.00808	.01667	.06641	.36220	-.00004	-.00694	84.397	.00093	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00004**	**6.4375**	**1.7764**	**.00524**	**34.439**	**2.3944**	**.00140**	**43.060**	**.00132**
Stddev	.00002	.00047	.0057	.0474	.00140	.164	.0093	.00024	.072	.00048
%RSD	8.4727	1101.2	.08785	2.6686	26.631	.47482	.38866	17.374	.16838	36.164
#1	.00023	-.00037	6.4415	1.8099	.00425	34.323	2.3878	.00123	43.009	.00166
#2	.00020	.00029	6.4335	1.7428	.00623	34.555	2.4009	.00158	43.112	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74028**	**.00008**	**23.396**	**-.00146**	**.00168**	**10.681**	**22.857**	**-.00015**	**.21353**	**-.00160**
Stddev	.00081	.00025	.077	.00057	.00077	.053	.114	.00007	.00081	.00111
%RSD	.10995	327.52	.32759	39.470	46.019	.50069	.50069	46.925	.37749	69.312
#1	.73971	-.00010	23.341	-.00105	.00223	10.718	22.937	-.00019	.21296	-.00082
#2	.74086	.00025	23.450	-.00186	.00114	10.643	22.776	-.00010	.21410	-.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00017**	**.02192**	**-.00017**	**.00763**	**.00441**
Stddev	.00004	.00025	.02874	.00029	.00005	.00023
%RSD	10.082	148.61	131.08	169.66	.68790	5.1823
#1	-.00047	-.00001	.04224	-.00037	.00759	.00425
#2	-.00041	.00034	.00160	.00003	.00767	.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6920.2**	**104390.**	**5346.6**
Stddev	9.7	133.	8.6
%RSD	.14067	.12718	.16155
#1	6927.1	104490.	5352.7
#2	6913.3	104300.	5340.5

Sample Name: 280-48948-a-9-c Acquired: 11/16/2013 16:03:42 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00164**	**-.00057**	**.01650**	**.20034**	**.00002**	**-.00475**	**74.840**	**.00089**	**-.00036**
Stddev	.00026	.00013	.00058	.00035	.00038	.00001	.00141	.298	.00019	.00004
%RSD	196.99	8.2183	100.29	2.1195	.19083	23.333	29.581	.39844	20.770	10.846
#1	-.00005	.00154	-.00017	.01675	.20007	.00003	-.00376	74.630	.00076	-.00033
#2	.00031	.00173	-.00098	.01625	.20061	.00002	-.00575	75.051	.00102	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00053**	**.06876**	**.57870**	**.00558**	**31.611**	**.15692**	**.00113**	**35.138**	**.00139**
Stddev	.00006	.00044	.00223	.03037	.00173	.077	.00010	.00013	.068	.00001
%RSD	34.067	81.752	3.2462	5.2475	31.009	.24226	.06175	11.083	.19322	.63653
#1	.00023	.00084	.07034	.55723	.00680	31.665	.15699	.00122	35.186	.00138
#2	.00014	.00023	.06718	.60018	.00436	31.556	.15686	.00104	35.090	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34000**	**-.00050**	**24.173**	**-.00091**	**.00196**	**8.1719**	**17.488**	**.00026**	**.18020**	**-.00077**
Stddev	.00102	.00004	.001	.00159	.00353	.0627	.134	.00005	.00028	.00111
%RSD	.30138	7.6463	.00261	174.53	179.49	.76772	.76772	20.210	.15529	145.01
#1	.34073	-.00052	24.173	.00021	-.00053	8.1275	17.393	.00029	.18000	-.00155
#2	.33928	-.00047	24.172	-.00203	.00446	8.2163	17.583	.00022	.18039	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.00038**	**.01308**	**-.00067**	**.00954**	**.00577**
Stddev	.00053	.00111	.02286	.00010	.00012	.00037
%RSD	144.79	292.38	174.75	15.347	1.2596	6.3432
#1	.00001	.00040	.02924	-.00060	.00945	.00603
#2	-.00073	-.00116	-.00308	-.00075	.00962	.00551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6997.3**	**105450.**	**5378.4**
Stddev	2.2	222.	20.9
%RSD	.03077	.21005	.38795
#1	6995.8	105290.	5393.2
#2	6998.9	105610.	5363.6

Sample Name: 280-48948-a-11-g Acquired: 11/16/2013 16:06:04 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00390**	**.00880**	**.01495**	**.42855**	**-.00010**	**-.00421**	**97.142**	**.00092**	**.00047**
Stddev	.00038	.00002	.00189	.00014	.00323	.00000	.00058	.427	.00002	.00007
%RSD	2965.8	.38828	21.519	.93250	.75318	1.6852	13.719	.43976	2.4918	15.220
#1	.00025	.00389	.01014	.01505	.42627	-.00010	-.00461	96.840	.00091	.00052
#2	-.00028	.00391	.00746	.01485	.43083	-.00010	-.00380	97.444	.00094	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00013**	**2.8536**	**.76201**	**.00457**	**37.918**	**1.1448**	**.00131**	**38.734**	**.00094**
Stddev	.00001	.00012	.0045	.02611	.00155	.152	.0046	.00010	.324	.00033
%RSD	2.3535	93.603	.15728	3.4270	33.850	.39971	.40150	7.8312	.83757	35.042
#1	.00025	-.00004	2.8568	.74355	.00566	37.811	1.1416	.00139	38.505	.00117
#2	.00024	-.00022	2.8504	.78048	.00348	38.025	1.1481	.00124	38.964	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27004**	**.00006**	**25.821**	**-.00211**	**.00029**	**9.8028**	**20.978**	**-.00029**	**.22505**	**-.00145**
Stddev	.00131	.00007	.011	.00014	.00094	.0034	.007	.00051	.00097	.00059
%RSD	.48446	112.81	.04335	6.4932	320.38	.03520	.03520	174.38	.43077	40.853
#1	.27096	.00011	25.829	-.00221	-.00037	9.8053	20.983	-.00065	.22436	-.00103
#2	.26911	.00001	25.814	-.00201	.00096	9.8004	20.973	.00007	.22573	-.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**-.00014**	**-.00417**	**-.00038**	**.00567**	**.00449**
Stddev	.00010	.00084	.00695	.00005	.00024	.00136
%RSD	17.761	583.69	166.62	13.640	4.2018	30.261
#1	-.00061	.00045	.00074	-.00034	.00583	.00353
#2	-.00048	-.00074	-.00909	-.00041	.00550	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6936.1**	**104380.**	**5384.3**
Stddev	16.4	98.	20.5
%RSD	.23655	.09380	.38146
#1	6924.5	104310.	5398.8
#2	6947.7	104450.	5369.8

Sample Name: 280-48948-a-11-gSD@5 Acquired: 11/16/2013 16:08:26 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00757**	**.00364**	**.00274**	**.10123**	**-.00005**	**-.00162**	**22.733**	**.00034**	**.00006**
Stddev	.00023	.00015	.00048	.00054	.00004	.00003	.00165	.023	.00010	.00005
%RSD	275.71	1.9228	13.112	19.786	.03985	61.007	101.80	.10276	28.862	85.207
#1	.00024	.00746	.00398	.00313	.10126	-.00008	-.00046	22.750	.00040	.00002
#2	-.00008	.00767	.00331	.00236	.10120	-.00003	-.00279	22.717	.00027	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00071**	**.68115**	**.15377**	**.00333**	**8.7472**	**.26716**	**.00012**	**7.9071**	**.00033**
Stddev	.00017	.00016	.00056	.02522	.00128	.0197	.00070	.00014	.0303	.00012
%RSD	127.06	22.486	.08259	16.400	38.410	.22527	.26229	122.70	.38344	35.956
#1	.00001	-.00060	.68155	.13594	.00423	8.7333	.26667	.00002	7.9285	.00042
#2	.00026	-.00083	.68076	.17160	.00243	8.7612	.26766	.00022	7.8856	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06165**	**-.00020**	**5.7803**	**-.00175**	**.00049**	**2.2032**	**4.7149**	**.00173**	**.05335**	**.00032**
Stddev	.00035	.00036	.0129	.00014	.00120	.0039	.0083	.00004	.00004	.00046
%RSD	.56088	176.34	.22263	7.9727	245.80	.17492	.17492	2.3192	.06840	144.14
#1	.06141	.00005	5.7712	-.00185	-.00036	2.2005	4.7091	.00171	.05338	-.00001
#2	.06189	-.00046	5.7894	-.00166	.00134	2.2060	4.7207	.00176	.05333	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**-.00029**	**.02136**	**-.00097**	**.00779**	**.00542**
Stddev	.00020	.00064	.00606	.00005	.00008	.00003
%RSD	34.004	221.80	28.394	4.8219	.98768	.53194
#1	-.00071	.00016	.01707	-.00094	.00785	.00540
#2	-.00044	-.00074	.02564	-.00101	.00774	.00544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7114.4**	**109300.**	**5610.1**
Stddev	18.8	432.	12.0
%RSD	.26450	.39492	.21458
#1	7127.7	109600.	5618.6
#2	7101.1	108990.	5601.6

Sample Name: 280-48948-a-11-h ms Acquired: 11/16/2013 16:10:48 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05246	1.9004	1.1536	1.1643	2.7196	.04940	F 2.3890	150.72	.10816	.50498
Stddev	.00022	.0146	.0029	.0084	.0166	.00032	.0126	1.27	.00013	.00319
%RSD	.41789	.76653	.25575	.72385	.61040	.64500	.52611	.84392	.12014	.63110
#1	.05230	1.8901	1.1515	1.1583	2.7313	.04917	2.3801	151.62	.10807	.50273
#2	.05261	1.9107	1.1557	1.1702	2.7078	.04962	2.3979	149.82	.10826	.50724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21450	.28060	3.9515	67.237	1.2781	88.378	1.7262	1.0902	108.45	.51912
Stddev	.00179	.00249	.0021	.552	.0053	.393	.0053	.0061	.03	.00329
%RSD	.83405	.88836	.05352	.82033	.41465	.44451	.30687	.56320	.02369	.63312
#1	.21323	.27884	3.9500	67.627	1.2818	88.100	1.7225	1.0859	108.47	.51679
#2	.21576	.28236	3.9530	66.847	1.2743	88.655	1.7300	1.0946	108.44	.52144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.633	.52644	27.569	.56941	2.3235	20.073	42.957	W 2.0725	1.3072	.98370
Stddev	.067	.00692	.153	.00277	.0278	.051	.109	.0165	.0068	.01021
%RSD	.57789	1.3147	.55658	.48710	1.1970	.25345	.25345	.79785	.51912	1.0379
#1	11.586	.52155	27.460	.56745	2.3038	20.109	43.034	2.0608	1.3120	.97648
#2	11.681	.53134	27.677	.57137	2.3432	20.037	42.880	2.0841	1.3024	.99092
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0030	1.9598	2.5635	.50923	.44017	.48678
Stddev	.0056	.0100	.0200	.00230	.00021	.00254
%RSD	.56053	.50774	.78230	.45139	.04667	.52104
#1	.99905	1.9528	2.5493	.50761	.44003	.48858
#2	1.0070	1.9668	2.5777	.51086	.44032	.48499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6729.4	100810.	5403.3
Stddev	36.9	294.	55.1
%RSD	.54860	.29152	1.0200
#1	6755.5	101020.	5364.3
#2	6703.3	100600.	5442.3

Sample Name: 280-48948-a-11-i msd Acquired: 11/16/2013 16:12:54 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05090**	**1.8832**	**1.1454**	**1.1567**	**2.6928**	**.04930**	F **2.3605**	**148.00**	**.10652**	**.50151**
Stddev	.00017	.0191	.0155	.0148	.0025	.00025	.0331	.32	.00124	.00578
%RSD	.33350	1.0120	1.3520	1.2800	.09124	.51390	1.4003	.21588	1.1632	1.1528
#1	.05102	1.8967	1.1564	1.1672	2.6910	.04912	2.3839	147.77	.10739	.50560
#2	.05078	1.8698	1.1345	1.1462	2.6945	.04948	2.3371	148.22	.10564	.49743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21289**	**.27804**	**3.9038**	**66.778**	**1.2687**	**86.548**	**1.6854**	**1.0817**	**107.35**	**.51652**
Stddev	.00252	.00183	.0187	.007	.0024	.205	.0033	.0141	.54	.00666
%RSD	1.1814	.65817	.47824	.01086	.19233	.23644	.19636	1.3018	.50026	1.2887
#1	.21467	.27934	3.8906	66.773	1.2705	86.403	1.6830	1.0916	106.97	.52122
#2	.21111	.27675	3.9170	66.783	1.2670	86.693	1.6877	1.0717	107.73	.51181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.542**	**.52279**	**26.998**	**.56772**	**2.3080**	**19.843**	**42.463**	W **2.0555**	**1.2949**	**.96753**
Stddev	.146	.00578	.401	.00644	.0250	.054	.117	.0249	.0012	.00452
%RSD	1.2612	1.1049	1.4868	1.1343	1.0821	.27460	.27460	1.2098	.09473	.46730
#1	11.644	.52688	27.282	.57228	2.3257	19.804	42.381	2.0731	1.2941	.97073
#2	11.439	.51871	26.714	.56317	2.2903	19.881	42.546	2.0379	1.2958	.96433
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98782**	**1.9387**	**2.5577**	**.50200**	**.43373**	**.48290**
Stddev	.00146	.0260	.0176	.00118	.00198	.00189
%RSD	.14816	1.3424	.68952	.23539	.45597	.39090
#1	.98678	1.9571	2.5453	.50116	.43233	.48157
#2	.98885	1.9202	2.5702	.50284	.43513	.48424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6750.4**	**101440.**	**5446.2**
Stddev	57.1	76.	7.7
%RSD	.84656	.07540	.14087
#1	6710.0	101500.	5440.8
#2	6790.8	101390.	5451.6

Sample Name: 280-48948-a-11-gPDS Acquired: 11/16/2013 16:15:00 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03961**	**1.0181**	**.24868**	**.12971**	**.59655**	**.05099**	**-.00654**	**127.36**	**.05672**	**.05292**
Stddev	.00016	.0013	.00157	.00004	.00118	.00000	.00245	.36	.00019	.00061
%RSD	.39382	.12444	.63118	.03072	.19737	.00659	37.405	.28090	.33007	1.1618
#1	.03950	1.0190	.24757	.12974	.59738	.05100	-.00828	127.61	.05658	.05248
#2	.03972	1.0172	.24979	.12968	.59572	.05099	-.00481	127.10	.05685	.05335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05593**	**.05844**	**4.1219**	**28.079**	**.13630**	**60.242**	**1.2998**	**.05787**	**70.030**	**.05509**
Stddev	.00000	.00007	.0034	.101	.00026	.036	.0003	.00093	.334	.00007
%RSD	.00426	.11229	.08118	.36077	.19134	.05980	.01967	1.6111	.47762	.13369
#1	.05593	.05848	4.1196	28.150	.13649	60.268	1.3000	.05721	70.267	.05514
#2	.05594	.05839	4.1243	28.007	.13612	60.217	1.2997	.05853	69.794	.05503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6621**	**.10994**	**27.931**	**.11070**	**.24483**	**15.310**	**32.763**	**.10098**	**.30644**	**.19582**
Stddev	.0018	.00159	.060	.00164	.00097	.010	.022	.00001	.00072	.00029
%RSD	.06701	1.4504	.21383	1.4793	.39555	.06702	.06702	.00933	.23487	.14701
#1	2.6608	.10881	27.889	.10954	.24552	15.302	32.747	.10097	.30695	.19603
#2	2.6633	.11107	27.973	.11186	.24415	15.317	32.778	.10099	.30593	.19562
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04764**	**.20269**	**.65490**	**.05148**	**.18630**	**.04954**
Stddev	.00033	.00081	.01033	.00030	.00192	.00111
%RSD	.68844	.40123	1.5777	.57888	1.0323	2.2401
#1	.04787	.20211	.64759	.05169	.18766	.05032
#2	.04741	.20326	.66220	.05126	.18494	.04875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6869.0**	**104760.**	**5487.8**
Stddev	15.4	198.	30.4
%RSD	.22417	.18861	.55423
#1	6879.9	104900.	5466.3
#2	6858.1	104620.	5509.3

Sample Name: 280-48948-a-12-c Acquired: 11/16/2013 16:17:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00541**	**.00449**	**.06774**	**.08656**	**-.00003**	**-.00483**	**104.99**	**.00190**	**.00227**
Stddev	.00039	.00381	.00212	.00487	.00006	.00002	.00117	.96	.00014	.00033
%RSD	59.784	70.389	47.178	7.1846	.06745	76.496	24.234	.91186	7.5723	14.670
#1	.00093	.00811	.00299	.07118	.08661	-.00004	-.00400	105.66	.00201	.00251
#2	.00038	.00272	.00598	.06430	.08652	-.00001	-.00565	104.31	.00180	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00148**	**.18625**	**.67794**	**.00587**	**33.119**	**6.0153**	**.01219**	**38.044**	**.00377**
Stddev	.00001	.00003	.00066	.00200	.00068	.091	.0456	.00085	.360	.00023
%RSD	10.623	1.9124	.35225	.29494	11.497	.27510	.75816	6.9506	.94692	6.2114
#1	.00013	.00146	.18579	.67652	.00540	33.054	5.9831	.01279	38.298	.00394
#2	.00011	.00150	.18671	.67935	.00635	33.183	6.0476	.01159	37.789	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22581**	**.00031**	**7.9466**	**-.00150**	**.00311**	**10.913**	**23.353**	**.00013**	**.39016**	**.00094**
Stddev	.01532	.00014	.5320	.00134	.00109	.007	.016	.00085	.00286	.00032
%RSD	6.7844	46.280	6.6942	89.383	35.186	.06690	.06690	644.98	.73217	34.131
#1	.23664	.00021	8.3228	-.00055	.00389	10.918	23.364	.00073	.39218	.00117
#2	.21498	.00041	7.5705	-.00245	.00234	10.908	23.342	-.00047	.38814	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.00176**	**.00218**	**.00075**	**.01943**	**.00438**
Stddev	.00023	.00175	.02610	.00005	.00008	.00036
%RSD	47.606	99.565	1196.1	6.8404	.42968	8.1736
#1	-.00064	.00299	-.01628	.00078	.01937	.00463
#2	-.00032	.00052	.02064	.00071	.01949	.00412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6585.8**	**105970.**	**5483.2**
Stddev	367.3	63.	56.4
%RSD	5.5773	.05960	1.0289
#1	6326.1	106020.	5443.3
#2	6845.5	105930.	5523.1

Sample Name: CCVH-2382126 Acquired: 11/16/2013 16:19:42 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00858**	**50.669**	**-.00194**	**.00113**	**.00022**	**-.00008**	F **1.1669**	**.00431**	**.00111**	**-.00068**	**.00035**	**.02348**
Stddev	.00000	.478	.00117	.00015	.00002	.00004	.0050	.00108	.00015	.00010	.00008	.00021
%RSD	.02674	.94248	60.481	13.281	9.1500	45.877	.42827	25.011	13.837	15.085	22.242	.87731
#1	-.00858	51.006	-.00276	.00124	.00020	-.00006	1.1704	.00355	.00122	-.00061	.00030	.02334
#2	-.00858	50.331	-.00111	.00103	.00023	-.00011	1.1633	.00507	.00100	-.00076	.00041	.02363
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.191**	**-.05407**	**.00087**	**.08832**	**.00175**	**.00088**	F **331.95**	**-.00042**	**.00299**	**.00313**	W **5.4366**	**-.00373**
Stddev	.112	.00121	.00165	.00571	.00061	.00012	3.25	.00009	.00033	.00001	.0160	.00180
%RSD	.23722	2.2390	190.41	6.4609	35.037	13.495	.97935	21.420	11.002	.43371	.29446	48.427
#1	47.112	-.05322	-.00030	.08429	.00132	.00080	334.25	-.00036	.00276	.00314	5.4479	-.00500
#2	47.271	-.05493	.00203	.09236	.00219	.00097	329.65	-.00049	.00322	.00312	5.4253	-.00245
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00520**	**.00539**	**.01154**	**.00152**	**.00040**	**4.7832**	**.01815**	**.00144**	F **12.240**	**.00377**	**.00180**	**-.07423**
Stddev	.00307	.01412	.03022	.00023	.00006	.0119	.00021	.00048	.052	.00022	.00005	.00065
%RSD	58.915	261.82	261.82	14.986	14.358	.24862	1.1833	33.471	.42584	5.8679	2.8555	.88059
#1	-.00304	-.00459	-.00983	.00168	.00044	4.7916	.01830	.00110	12.203	.00361	.00176	-.07376
#2	-.00737	.01538	.03291	.00135	.00036	4.7748	.01800	.00179	12.277	.00392	.00184	-.07469
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6941.2**	**104170.**	**5422.4**
Stddev	15.9	158.	34.7
%RSD	.22848	.15175	.64018
#1	6929.9	104060.	5397.8
#2	6952.4	104280.	5446.9

Sample Name: CCV-2372889 Acquired: 11/16/2013 16:22:09 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51367**	**.52343**	**1.0996**	F **.56850**	F **.56533**	**.50103**	**-.01189**	**4.8753**	**.53438**	**.53214**	**.54267**	**.53778**
Stddev	.00054	.00990	.0088	.00652	.00205	.00187	.00090	.0212	.00618	.00778	.00759	.00079
%RSD	.10559	1.8913	.80433	1.1466	.36345	.37282	7.5557	.43430	1.1558	1.4627	1.3991	.14669
#1	.51406	.51643	1.0933	.56389	.56388	.49971	-.01252	4.8603	.53002	.52663	.53730	.53722
#2	.51329	.53043	1.1059	.57311	.56678	.50235	-.01125	4.8902	.53875	.53764	.54804	.53834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000	.50000							
Range				10.490%	10.490%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3756**	F **64.214**	F **1.2322**	**18.649**	**.49974**	**.54488**	F **6.0463**	W **.55008**	**1.0934**	F **1.1099**	**.01099**	F **1.1327**
Stddev	.0007	.186	.0017	.040	.00095	.00656	.0109	.00472	.0159	.0167	.00011	.0122
%RSD	.02975	.29024	.13956	.21558	.19101	1.2047	.18031	.85799	1.4591	1.5086	.96349	1.0770
#1	2.3761	64.082	1.2334	18.620	.49907	.54024	6.0540	.54674	1.0822	1.0980	.01091	1.1241
#2	2.3751	64.346	1.2310	18.677	.50042	.54952	6.0386	.55342	1.1047	1.1217	.01106	1.1413
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail	None	Chk Fail
Value		50.000	1.0000				5.0000	.50000		1.0000		1.0000
Range		10.490%	10.490%				10.490%	10.000%		10.490%		10.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1326**	**4.7017**	**10.062**	**1.0660**	**.53569**	**.00781**	**.48511**	**1.0837**	**.01655**	**.49888**	F **.44747**	**.49528**
Stddev	.0126	.0018	.004	.0150	.00130	.00072	.00008	.0130	.02300	.00121	.00234	.00185
%RSD	1.1137	.03854	.03854	1.4030	.24183	9.2525	.01677	1.2000	138.97	.24210	.52368	.37355
#1	1.1237	4.7030	10.064	1.0555	.53477	.00832	.48505	1.0745	.03281	.49803	.44913	.49659
#2	1.1415	4.7004	10.059	1.0766	.53661	.00730	.48516	1.0929	.00029	.49973	.44581	.49397
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value	1.0000										.50000	
Range	10.490%										-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7027.3**	**106390.**	**5320.5**
Stddev	76.2	352.	16.1
%RSD	1.0850	.33106	.30183
#1	7081.2	106640.	5309.2
#2	6973.4	106140.	5331.9

Sample Name: CCB Acquired: 11/16/2013 16:24:19 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00026**	**-.00174**	**.00087**	**-.00035**	**.00000**	**-.00223**	**.00218**	**.00031**	**-.00013**	**.00024**	**-.00120**	**-.00004**
Stddev	.00001	.00005	.00044	.00023	.00014	.00007	.00104	.00123	.00004	.00006	.00010	.00003	.00241
%RSD	20.884	18.601	25.474	26.979	39.955	2016.1	46.653	56.312	13.199	46.671	41.226	2.5255	5751.6
#1	-.00002	-.00022	-.00205	.00104	-.00045	-.00004	-.00296	.00131	.00034	-.00017	.00017	-.00123	-.00175
#2	-.00003	-.00029	-.00143	.00070	-.00025	.00005	-.00149	.00305	.00028	-.00008	.00031	-.00118	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04160**	**.00254**	**-.00181**	**.00005**	**.00206**	**.06552**	**-.00014**	**.00180**	**.00057**	**.01080**	**.00001**	**.00371**	**-.00272**
Stddev	.05747	.00081	.00019	.00003	.00043	.00851	.00019	.00116	.00077	.00029	.00205	.00201	.00874
%RSD	138.15	32.023	10.327	54.584	20.913	12.985	137.43	64.705	135.27	2.6541	28251.	54.244	322.01
#1	.08224	.00197	-.00194	.00003	.00176	.07154	-.00027	.00098	.00002	.01059	-.00144	.00514	.00347
#2	.00096	.00312	-.00168	.00008	.00237	.05951	.00000	.00262	.00111	.01100	.00146	.00229	-.00890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00581**	**.00026**	**.00011**	**.00084**	**.00009**	**-.00093**	**-.00289**	**-.00093**	**.00314**	F **.00494**
Stddev	.01871	.00018	.00001	.00070	.00010	.00019	.01737	.00002	.00016	.00002
%RSD	322.01	69.077	8.8573	82.933	107.97	20.042	600.94	1.7360	5.1413	.35443
#1	.00742	.00013	.00010	.00134	.00002	-.00106	.00939	-.00094	.00303	.00493
#2	-.01904	.00038	.00011	.00035	.00017	-.00080	-.01518	-.00091	.00326	.00496
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit										.00476
Low Limit										-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.8**	**107850.**	**5250.8**
Stddev	16.7	7.	75.9
%RSD	.23619	.00620	1.4458
#1	7046.0	107840.	5304.5
#2	7069.6	107850.	5197.1

Sample Name: CCVL2383195 Acquired: 11/16/2013 16:26:41 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01059**	**.11092**	**.01632**	**.11960**	**.01091**	**.00100**	F **.13576**	**.22935**	**.00586**	**.01120**	**.01135**	**.01584**	**.09791**
Stddev	.00009	.00244	.00146	.00183	.00041	.00006	.00219	.00419	.00015	.00038	.00024	.00072	.00243
%RSD	.89021	2.1972	8.9641	1.5311	3.7696	6.0203	1.6146	1.8279	2.5729	3.3510	2.1422	4.5481	2.4786
#1	.01066	.10920	.01528	.11831	.01120	.00096	.13421	.23231	.00576	.01094	.01118	.01635	.09619
#2	.01053	.11264	.01735	.12090	.01062	.00104	.13731	.22638	.00597	.01147	.01152	.01533	.09962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8651**	**.01143**	**.19766**	**.01032**	**.02265**	**1.2711**	**.04612**	**3.3624**	**.01088**	**.01440**	**.01080**	**.01859**	**.49006**
Stddev	.0504	.00042	.00084	.00006	.00044	.0088	.00106	.0406	.00012	.00108	.00011	.00095	.00746
%RSD	1.3038	3.6983	.42433	.62803	1.9484	.68857	2.2996	1.2070	1.0875	7.4756	.99394	5.1212	1.5215
#1	3.9007	.01172	.19826	.01037	.02234	1.2649	.04537	3.3337	.01079	.01516	.01072	.01926	.48479
#2	3.8294	.01113	.19707	.01027	.02296	1.2773	.04687	3.3911	.01096	.01363	.01087	.01791	.49533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0487**	**.11559**	**.01078**	**.01461**	**.00977**	**.01778**	F **.09521**	**.00929**	**.02345**	**.01884**
Stddev	.0160	.00222	.00013	.00080	.00016	.00040	.00171	.00004	.00024	.00071
%RSD	1.5215	1.9172	1.2392	5.5076	1.6731	2.2741	1.7959	.44014	1.0372	3.7701
#1	1.0374	.11402	.01069	.01404	.00966	.01806	.09641	.00932	.02327	.01935
#2	1.0600	.11715	.01087	.01518	.00989	.01749	.09400	.00926	.02362	.01834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7223.2**	**111690.**	**5434.3**
Stddev	96.3	117.	44.3
%RSD	1.3337	.10471	.81549
#1	7291.3	111780.	5465.6
#2	7155.0	111610.	5402.9

Sample Name: 280-48948-a-13-c Acquired: 11/16/2013 16:29:04 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01549**	**.00173**	**.01734**	**.18428**	**-.00002**	**-.00538**	**87.287**	**.00098**	**.00016**
Stddev	.00033	.00154	.00167	.00000	.00074	.00004	.00139	.290	.00000	.00006
%RSD	7919.7	9.9758	96.452	.01340	.40333	155.04	25.824	.33185	.33764	39.555
#1	-.00023	.01439	.00291	.01734	.18375	.00000	-.00636	87.082	.00097	.00020
#2	.00024	.01658	.00055	.01734	.18480	-.00005	-.00439	87.492	.00098	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00006**	**7.3118**	**.67884**	**.00595**	**30.262**	**1.7202**	**.00267**	**38.371**	**.00148**
Stddev	.00008	.00018	.0353	.05149	.00264	.061	.0041	.00005	.328	.00009
%RSD	18.880	278.73	.48328	7.5855	44.390	.20051	.24013	1.9673	.85434	5.9000
#1	.00049	.00006	7.3368	.71525	.00408	30.305	1.7231	.00264	38.603	.00154
#2	.00038	-.00019	7.2868	.64243	.00782	30.219	1.7173	.00271	38.139	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2514**	**-.00001**	**13.103**	**-.00129**	**.00135**	**12.852**	**27.503**	**.00060**	**.28923**	**-.00110**
Stddev	.0018	.00034	.005	.00018	.00094	.031	.067	.00024	.00055	.00056
%RSD	.14202	6596.1	.03958	14.101	69.574	.24231	.24231	39.045	.18852	51.274
#1	1.2527	.00023	13.107	-.00142	.00069	12.874	27.550	.00044	.28885	-.00149
#2	1.2502	-.00024	13.099	-.00116	.00202	12.830	27.456	.00077	.28962	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**-.00019**	**.02419**	**-.00036**	**.00888**	**.00614**
Stddev	.00026	.00128	.02089	.00032	.00009	.00190
%RSD	38.410	678.14	86.329	90.274	1.0615	30.978
#1	-.00085	.00072	.03896	-.00058	.00882	.00749
#2	-.00049	-.00110	.00942	-.00013	.00895	.00480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6873.0**	**104070.**	**5289.2**
Stddev	11.3	86.	20.6
%RSD	.16404	.08307	.38995
#1	6865.0	104010.	5303.8
#2	6881.0	104130.	5274.6

Sample Name: 280-48948-a-14-c Acquired: 11/16/2013 16:31:25 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00830**	**-.00123**	**.01803**	**.17659**	**-.00005**	**-.00588**	**82.266**	**.00084**	**-.00014**
Stddev	.00012	.00009	.00060	.00010	.00020	.00003	.00078	.513	.00003	.00001
%RSD	103.73	1.0397	48.392	.53220	.11286	59.608	13.342	.62399	3.7934	5.4650
#1	.00003	.00824	-.00165	.01796	.17645	-.00003	-.00533	81.903	.00087	-.00014
#2	.00020	.00836	-.00081	.01809	.17673	-.00007	-.00643	82.629	.00082	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00184**	**6.9208**	**.63858**	**.00548**	**28.555**	**1.6203**	**.00204**	**36.578**	**.00183**
Stddev	.00009	.00004	.0013	.02703	.00138	.243	.0120	.00011	.368	.00008
%RSD	72.211	2.0876	.01858	4.2327	25.150	.85095	.73997	5.2659	1.0065	4.3659
#1	.00020	.00186	6.9217	.61947	.00646	28.383	1.6118	.00197	36.839	.00189
#2	.00006	.00181	6.9199	.65769	.00451	28.727	1.6287	.00212	36.318	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3201**	**.00012**	**12.679**	**-.00063**	**.00169**	**12.159**	**26.021**	**-.00024**	**.27171**	**.00000**
Stddev	.0110	.00032	.063	.00026	.00187	.023	.050	.00035	.00177	.0003
%RSD	.83650	268.18	.50017	40.811	110.54	.19144	.19144	144.43	.65066	16189.
#1	1.3279	.00035	12.723	-.00045	.00037	12.176	26.056	-.00049	.27046	-.00019
#2	1.3123	-.00011	12.634	-.00082	.00301	12.143	25.986	.00001	.27296	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00009**	**.00454**	**-.00061**	**.01334**	**.00606**
Stddev	.00007	.00032	.00496	.00019	.00017	.00004
%RSD	14.547	337.54	109.26	30.822	1.2566	.64157
#1	-.00046	-.00013	.00804	-.00074	.01322	.00604
#2	-.00056	.00032	.00103	-.00048	.01346	.00609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6861.0**	**105450.**	**5332.9**
Stddev	18.2	683.	38.4
%RSD	.26486	.64745	.71969
#1	6848.1	105930.	5360.0
#2	6873.8	104970.	5305.7

Sample Name: 280-48948-a-15-c Acquired: 11/16/2013 16:33:47 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.02074**	**.00675**	**.04050**	**.55811**	**-.00002**	**-.00811**	**140.55**	**.00088**	**.00068**
Stddev	.00009	.00022	.00058	.00058	.00157	.00003	.00131	.25	.00006	.00006
%RSD	15.602	1.0375	8.6033	1.4395	.28207	122.28	16.084	.17856	6.4411	9.4961
#1	.00065	.02090	.00716	.04092	.55700	-.00005	-.00904	140.38	.00084	.00073
#2	.00052	.02059	.00634	.04009	.55922	.00000	-.00719	140.73	.00092	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00028**	**20.243**	**1.3829**	**.00641**	**44.315**	**5.9690**	**.00402**	**45.541**	**.00398**
Stddev	.00014	.00000	.086	.0284	.00160	.044	.0035	.00000	.108	.00034
%RSD	22.249	1.2534	.42560	2.0561	24.975	.09989	.05855	.11177	.23781	8.5189
#1	.00075	.00028	20.182	1.4030	.00754	44.346	5.9715	.00402	45.617	.00422
#2	.00055	.00028	20.304	1.3628	.00528	44.284	5.9666	.00402	45.464	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5835**	**.00098**	**.53845**	**.00005**	**.00237**	**15.665**	**33.523**	**.00008**	**.47650**	**-.00111**
Stddev	.0174	.00056	.00229	.00112	.00014	.023	.049	.00007	.00127	.00012
%RSD	1.0984	57.667	.42547	2388.7	5.9473	.14530	.14530	85.502	.26589	10.528
#1	1.5958	.00138	.53683	.00084	.00247	15.649	33.488	.00013	.47561	-.00103
#2	1.5712	.00058	.54007	-.00075	.00227	15.681	33.557	.00003	.47740	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00083**	**-.01726**	**.00090**	**.00624**	**.00476**
Stddev	.00005	.00150	.00713	.00025	.00002	.00094
%RSD	8.0470	180.57	41.278	27.715	.27856	19.663
#1	-.00055	-.00023	-.01222	.00072	.00623	.00410
#2	-.00061	.00189	-.02230	.00108	.00625	.00542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6855.6**	**103000.**	**5276.5**
Stddev	32.5	29.	10.1
%RSD	.47359	.02846	.19201
#1	6832.6	102980.	5283.7
#2	6878.5	103020.	5269.3

Sample Name: 280-48948-a-16-c Acquired: 11/16/2013 16:36:15 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00702	.00342	.16481	.16205	-.00011	-.00520	96.206	.00151	.00714
Stddev	.00004	.00028	.00205	.00264	.00020	.00005	.00165	.334	.00008	.00015
%RSD	13.071	4.0439	60.026	1.5991	.12168	46.767	31.724	.34754	5.2525	2.0873
#1	.00028	.00682	.00197	.16295	.16219	-.00007	-.00636	95.970	.00146	.00704
#2	.00033	.00722	.00487	.16668	.16191	-.00015	-.00403	96.443	.00157	.00725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00097	2.2778	.47235	.00488	51.348	2.6641	.00057	58.686	.00706
Stddev	.00024	.00024	.0003	.00133	.00010	.515	.0400	.00023	.533	.00010
%RSD	87.878	25.017	.01491	.28069	2.0547	1.0033	1.5028	39.910	.90810	1.3462
#1	.00044	.00114	2.2780	.47141	.00495	51.713	2.6924	.00041	59.063	.00699
#2	.00010	.00080	2.2776	.47329	.00481	50.984	2.6357	.00073	58.309	.00713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11417	.00057	28.006	-.00056	-.00011	12.213	26.136	.00085	.48131	.00011
Stddev	.00171	.00129	.551	.00159	.00009	.033	.071	.00015	.00032	.00150
%RSD	1.4989	225.05	1.9666	283.57	78.978	.27188	.27188	17.929	.06664	1348.1
#1	.11296	-.00034	27.617	-.00169	-.00005	12.190	26.086	.00074	.48108	-.00095
#2	.11538	.00148	28.396	.00056	-.00017	12.236	26.186	.00096	.48154	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00028	-.00025	.01267	.00055	2.3395	.00456
Stddev	.00007	.00092	.02884	.00011	.0228	.00057
%RSD	25.827	373.96	227.62	20.315	.97495	12.597
#1	-.00034	.00041	.03306	.00047	2.3556	.00497
#2	-.00023	-.00090	-.00772	.00063	2.3234	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6996.0	104490.	5361.4
Stddev	114.4	1248.	37.8
%RSD	1.6353	1.1945	.70519
#1	7076.9	103600.	5388.1
#2	6915.1	105370.	5334.6

Sample Name: 280-48948-a-17-c Acquired: 11/16/2013 16:38:41 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01525**	**.01905**	**.41693**	**.32087**	**.00000**	**-.00634**	**130.37**	**.00074**	**.00243**
Stddev	.00005	.00021	.00046	.00514	.00126	.00002	.00269	1.04	.00004	.00001
%RSD	3279.3	1.3772	2.4089	1.2316	.39167	1825.1	42.402	.79521	5.3842	.37130
#1	-.00003	.01540	.01938	.42056	.32176	.00002	-.00824	131.11	.00071	.00244
#2	.00004	.01511	.01873	.41330	.31998	-.00001	-.00444	129.64	.00077	.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00080**	**11.407**	**9.2018**	**.00535**	**27.240**	**1.7111**	**.00350**	**36.351**	**.00313**
Stddev	.00020	.00008	.100	.0437	.00069	.365	.0228	.00023	.165	.00054
%RSD	34.581	9.4403	.87456	.47477	12.924	1.3393	1.3303	6.6313	.45442	17.245
#1	.00043	.00085	11.478	9.1709	.00486	27.498	1.7271	.00367	36.467	.00351
#2	.00071	.00074	11.337	9.2327	.00584	26.982	1.6950	.00334	36.234	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10543**	**.00643**	**5.3118**	**-.00092**	**.00043**	**12.102**	**25.899**	**.00058**	**.70715**	**-.00133**
Stddev	.00099	.00063	.0585	.00032	.00057	.017	.036	.00009	.00235	.00017
%RSD	.94215	9.8003	1.1004	35.071	133.10	.13790	.13790	15.854	.33198	12.471
#1	.10473	.00598	5.3531	-.00115	.00003	12.114	25.924	.00064	.70881	-.00145
#2	.10613	.00687	5.2704	-.00069	.00083	12.091	25.874	.00051	.70549	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**-.00084**	**.02731**	**.00048**	**1.4955**	**.00391**
Stddev	.00023	.00068	.01974	.00015	.0192	.00030
%RSD	46.107	79.972	72.267	31.906	1.2827	7.7847
#1	-.00034	-.00132	.01336	.00059	1.5090	.00369
#2	-.00067	-.00037	.04127	.00038	1.4819	.00412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6897.0**	**105890.**	**5334.4**
Stddev	52.6	886.	60.9
%RSD	.76206	.83663	1.1415
#1	6859.8	105260.	5291.3
#2	6934.2	106520.	5377.5

Sample Name: 280-48948-a-18-c Acquired: 11/16/2013 16:41:01 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00750**	**.00044**	**.34553**	**.10237**	**-.00004**	**-.00587**	**59.738**	**.00087**	**.00418**
Stddev	.00047	.00022	.00046	.00091	.00024	.00003	.00080	.015	.00008	.00014
%RSD	90.992	2.9838	104.32	.26475	.23742	79.426	13.608	.02478	8.9883	3.2731
#1	.00086	.00766	.00012	.34489	.10220	-.00006	-.00644	59.727	.00093	.00427
#2	.00019	.00735	.00077	.34618	.10254	-.00002	-.00531	59.748	.00082	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00120**	**.29377**	**1.6128**	**.00416**	**21.900**	**4.4933**	**.00047**	**20.115**	**.00741**
Stddev	.00014	.00009	.00990	.0119	.00090	.117	.0107	.00006	.425	.00000
%RSD	23.035	7.7567	3.3711	.73699	21.726	.53202	.23794	12.227	2.1121	.06456
#1	.00053	.00114	.28677	1.6212	.00352	21.817	4.4858	.00043	19.814	.00741
#2	.00073	.00127	.30078	1.6044	.00479	21.982	4.5009	.00051	20.415	.00741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08610**	**.00104**	**55.587**	**-.00156**	**.00097**	**12.713**	**27.206**	**.00099**	**.28002**	**.00021**
Stddev	.00135	.00025	.089	.00198	.00094	.038	.081	.00017	.00143	.00045
%RSD	1.5668	24.120	.15994	126.31	97.053	.29899	.29899	16.964	.51163	207.64
#1	.08705	.00086	55.524	-.00017	.00030	12.686	27.149	.00110	.28104	-.00010
#2	.08514	.00122	55.650	-.00296	.00163	12.740	27.264	.00087	.27901	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00060**	**-.00835**	**.00053**	**4.3007**	**.00522**
Stddev	.00011	.00063	.01600	.00002	.0015	.00172
%RSD	46.081	105.17	191.61	3.3896	.03548	32.895
#1	-.00016	.00104	.00296	.00054	4.3018	.00401
#2	-.00031	.00015	-.01966	.00052	4.2996	.00643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6909.1**	**104250.**	**5283.6**
Stddev	29.2	367.	47.7
%RSD	.42324	.35247	.90320
#1	6888.5	104510.	5317.4
#2	6929.8	103990.	5249.9

Sample Name: 280-48948-a-20-c Acquired: 11/16/2013 16:43:28 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00384**	**-.00053**	**.02075**	**.02867**	**.00002**	**.00038**	**13.519**	**.01367**	**-.00023**
Stddev	.00008	.00023	.00029	.00077	.00005	.00003	.00019	.010	.00015	.00010
%RSD	35.589	6.0604	53.800	3.7069	.17613	186.59	49.050	.07338	1.1238	45.199
#1	.00027	.00368	-.00074	.02129	.02871	-.00001	.00052	13.526	.01378	-.00030
#2	.00016	.00401	-.00033	.02020	.02864	.00004	.00025	13.512	.01357	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00024**	**.01517**	**5.0598**	**.03307**	**.79173**	**.02143**	**-.00036**	**2.4832**	**.00124**
Stddev	.00003	.00030	.00049	.0338	.00175	.00416	.00026	.00019	.0164	.00002
%RSD	15.717	125.52	3.2554	.66874	5.2824	.52586	1.1984	54.071	.66097	1.9755
#1	.00015	.00045	.01483	5.0838	.03430	.79468	.02161	-.00049	2.4716	.00126
#2	.00019	.00003	.01552	5.0359	.03183	.78879	.02125	-.00022	2.4948	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01746**	**.00074**	**5.5308**	**-.00242**	**-.00381**	**.67323**	**1.4407**	**-.00002**	**.11745**	**-.00072**
Stddev	.00124	.00023	.0410	.00236	.00321	.00397	.0085	.00061	.00001	.00067
%RSD	7.1278	31.736	.74145	97.598	84.298	.58993	.58993	2690.6	.00514	92.419
#1	.01834	.00090	5.5598	-.00409	-.00154	.67042	1.4347	.00041	.11744	-.00119
#2	.01658	.00057	5.5018	-.00075	-.00608	.67603	1.4467	-.00046	.11745	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00088**	**.01057**	**-.00080**	**.04937**	**.00515**
Stddev	.00010	.00078	.02448	.00019	.00009	.00048
%RSD	51.936	88.032	231.53	23.876	.18064	9.3828
#1	-.00012	-.00033	-.00674	-.00067	.04931	.00481
#2	-.00025	-.00143	.02789	-.00094	.04944	.00549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7293.5**	**110700.**	**5550.6**
Stddev	46.8	567.	37.4
%RSD	.64144	.51233	.67333
#1	7260.5	110300.	5577.0
#2	7326.6	111100.	5524.2

Sample Name: 280-48948-a-21-c Acquired: 11/16/2013 16:45:50 Type: Unk
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200080 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.04825**	**-.00048**	**.01919**	**.03809**	**-.00006**	**-.00258**	**12.215**	**.00039**	**.00010**
Stddev	.00003	.00034	.00061	.00067	.00038	.00007	.00073	.030	.00003	.00014
%RSD	23.160	.70976	126.69	3.5059	1.0029	115.96	28.132	.24956	7.5918	141.07
#1	.00017	.04850	-.00005	.01967	.03836	-.00010	-.00309	12.237	.00036	.00019
#2	.00012	.04801	-.00091	.01872	.03782	-.00001	-.00207	12.194	.00041	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00159**	**1.6559**	**7.4088**	**.00357**	**2.1588**	**.11309**	**.00030**	**1.7541**	**.00319**
Stddev	.00011	.00003	.0023	.0008	.00127	.0002	.00031	.00002	.0215	.00008
%RSD	23.547	1.5971	.14120	.01015	35.483	.00733	.27498	5.2176	1.2278	2.3524
#1	.00056	.00158	1.6543	7.4082	.00446	2.1587	.11331	.00031	1.7693	.00314
#2	.00040	.00161	1.6576	7.4093	.00267	2.1589	.11287	.00029	1.7388	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1848**	**.00097**	**.50125**	**-.00018**	**-.00229**	**2.6248**	**5.6172**	**.00023**	**.04372**	**.00000**
Stddev	.0066	.00006	.00185	.00037	.00182	.0106	.0226	.00011	.00014	.0010
%RSD	.56091	6.6978	.36869	203.18	79.571	.40270	.40270	47.964	.32152	95025.
#1	1.1895	.00101	.50255	-.00044	-.00100	2.6174	5.6012	.00031	.04362	-.00067
#2	1.1801	.00092	.49994	.00008	-.00357	2.6323	5.6332	.00015	.04382	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**-.00046**	**.01360**	**.00256**	**.11531**	**.00491**
Stddev	.00023	.00044	.02035	.00013	.00015	.00154
%RSD	2.4568	95.446	149.64	5.1303	.12642	31.336
#1	.00912	-.00015	-.00079	.00265	.11541	.00599
#2	.00945	-.00076	.02798	.00246	.11521	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7280.3**	**110950.**	**5546.3**
Stddev	26.2	308.	12.2
%RSD	.36031	.27719	.21930
#1	7261.8	110730.	5537.7
#2	7298.9	111170.	5554.9

Sample Name: CCVH-2382126 Acquired: 11/16/2013 16:48:12 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00518**	**47.552**	k **-.00336**	k **.00081**	k **.00009**	k **-.00004**	kW **1.0962**	k **-.02847**	k **-.00019**	k **.00135**	k **-.00058**
Stddev	.00006	.591	.00057	.00136	.00003	.00001	.0130	.00322	.00009	.00010	.00001
%RSD	1.1399	1.2434	17.115	166.78	32.264	19.621	1.1826	11.304	46.018	7.5055	2.2855
#1	k -.00522	47.970	k -.00295	k .00177	k .00007	k -.00005	k 1.1053	k -.03075	k -.00025	k .00128	k -.00057
#2	k -.00513	47.134	k -.00377	k -.00015	k .00011	k -.00004	k 1.0870	k -.02620	k -.00013	k .00142	k -.00059
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None
Value							1.0000				
Range							5.0000%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.03060**	F **44.611**	**-.01539**	k **.00076**	k **-.30469**	k **-.00015**	k **-.00126**	F **314.34**	k **.00074**	k **.00589**	k **.01273**
Stddev	.00031	.263	.06300	.00025	.00293	.00005	.00016	3.44	.00014	.00011	.00052
%RSD	1.0106	.58981	409.32	32.640	.96139	30.264	12.809	1.0957	19.624	1.9445	4.0519
#1	k .03082	44.797	-.05994	k .00093	k -.30676	k -.00012	k -.00137	316.78	k .00063	k .00597	k .01310
#2	k .03038	44.425	.02916	k .00058	k -.30262	k -.00019	k -.00114	311.91	k .00084	k .00581	k .01237
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.490%						10.490%			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **5.3614**	k **-.00436**	k **-.00683**	k **.00081**	k **.00174**	k **.00340**	**.00028**	k **5.1119**	k **.03373**	k **-.00098**	kF **12.221**
Stddev	.0609	.00059	.00028	.00391	.00837	.00022	.00005	.0474	.00001	.00061	.046
%RSD	1.1350	13.601	4.0639	480.74	480.74	6.3805	19.423	.92642	.03752	61.957	.37415
#1	k 5.4044	k -.00394	k -.00663	k .00358	k .00766	k .00356	.00024	k 5.1454	k .03372	k -.00141	k 12.254
#2	k 5.3183	k -.00478	k -.00703	k -.00195	k -.00418	k .00325	.00032	k 5.0784	k .03374	k -.00055	k 12.189
Check ?	Chk Warn	None	None	None	None	None	None	Chk Pass	None	None	Chk Fail
Value	5.0000										10.000
Range	5.0000%										10.490%

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	k **.00290**	k **.00316**	k **.10812**
Stddev	.00004	.00010	.00007
%RSD	1.3975	3.0833	.06036
#1	k .00293	k .00309	k .10817
#2	k .00288	k .00322	k .10808
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7077.8**	**104500.**	**5600.6**
Stddev	58.0	395.	98.3
%RSD	.81900	.37792	1.7558
#1	7036.9	104220.	5531.1
#2	7118.8	104780.	5670.2

Sample Name: CCV-2372889 Acquired: 11/16/2013 16:50:38 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51370**	**.51880**	**1.0925**	F **.56626**	F **.57350**	**.50716**	**-.00926**	**4.9156**	**.53280**	**.52784**	**.53744**	**.53856**
Stddev	.00121	.00120	.0043	.00016	.00674	.00517	.00220	.0496	.00330	.00218	.00290	.00241
%RSD	.23470	.23223	.38984	.02807	1.1745	1.0192	23.762	1.0088	.61922	.41288	.53896	.44805
#1	.51455	.51795	1.0895	.56638	.57826	.51081	-.00771	4.9507	.53046	.52630	.53539	.54027
#2	.51285	.51966	1.0955	.56615	.56874	.50350	-.01082	4.8806	.53513	.52938	.53949	.53686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000	.50000							
Range				10.490%	10.490%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4027**	F **65.380**	F **1.2513**	**18.658**	**.50010**	**.53997**	F **6.1753**	**.54065**	**1.0792**	W **1.1001**	**.01052**	F **1.1301**
Stddev	.0256	.634	.0136	.014	.00013	.00153	.0455	.00126	.0038	.0035	.00371	.0103
%RSD	1.0663	.96984	1.0864	.07690	.02633	.28295	.73661	.23299	.35198	.31769	35.222	.90870
#1	2.4208	65.828	1.2609	18.668	.50001	.53889	6.2075	.53976	1.0765	1.0977	.01315	1.1229
#2	2.3846	64.932	1.2417	18.648	.50020	.54105	6.1432	.54154	1.0819	1.1026	.00790	1.1374
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Fail
Value		50.000	1.0000				5.0000			1.0000		1.0000
Range		10.490%	10.490%				10.490%			10.000%		10.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1305**	**4.7669**	**10.201**	**1.0554**	**.54247**	**.00702**	**.48526**	**1.0790**	**.04431**	**.49985**	F **.44594**	**.50213**
Stddev	.0076	.0147	.031	.0036	.00532	.00159	.00017	.0043	.01255	.00073	.00258	.00195
%RSD	.66775	.30767	.30767	.34159	.98088	22.586	.03501	.39509	28.318	.14556	.57928	.38900
#1	1.1252	4.7773	10.223	1.0529	.54623	.00814	.48538	1.0760	.05318	.50036	.44412	.50351
#2	1.1359	4.7566	10.179	1.0580	.53871	.00590	.48514	1.0821	.03544	.49933	.44777	.50074
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value	1.0000										.50000	
Range	10.490%										-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7128.4**	**107150.**	**5349.9**
Stddev	12.3	44.	27.3
%RSD	.17258	.04122	.51093
#1	7137.1	107180.	5330.6
#2	7119.7	107120.	5369.2

Sample Name: CCB Acquired: 11/16/2013 16:52:47 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00040**	**.00023**	**-.00024**	**-.00052**	**.00007**	**-.00087**	**.00203**	**.00030**	**.00007**	**.00017**	**-.00079**
Stddev	.00003	.00002	.00238	.00015	.00016	.00004	.00076	.00110	.00002	.00012	.00006	.00006
%RSD	6.3045	4.0613	1049.0	64.778	30.125	65.257	87.844	54.087	8.0806	182.06	36.917	7.3230
#1	.00040	.00041	-.00146	-.00013	-.00041	.00004	-.00141	.00126	.00032	.00015	.00013	-.00084
#2	.00044	.00038	.00191	-.00035	-.00063	.00010	-.00033	.00281	.00029	-.00002	.00022	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**-.05047**	W **.00289**	**.00065**	**.00006**	**.00185**	**.04771**	**-.00010**	**-.00036**	**.00061**	**.01232**	**.00245**
Stddev	.00087	.01724	.00041	.00191	.00005	.00003	.00073	.00005	.00150	.00066	.00155	.00009
%RSD	39.742	34.150	14.322	295.75	81.877	1.5081	1.5280	50.100	413.94	108.75	12.560	3.8190
#1	.00282	-.03829	.00319	.00199	.00010	.00183	.04822	-.00007	.00070	.00107	.01341	.00252
#2	.00158	-.06266	.00260	-.00070	.00003	.00187	.04719	-.00014	-.00142	.00014	.01122	.00239
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261									
Low Limit			-.00261									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**-.00600**	**-.01284**	**.00020**	**.00001**	**.00133**	**-.00010**	**.00000**	**.02158**	**-.00092**	**.00356**	F **.00484**
Stddev	.00331	.00206	.00441	.00013	.00011	.00000	.00008	.00078	.00193	.00001	.00003	.00128
%RSD	115.96	34.349	34.349	64.201	779.09	.35973	77.124	26003.	8.9648	.81359	.90891	26.424
#1	.00051	-.00746	-.01596	.00011	.00009	.00133	-.00015	.00055	.02021	-.00093	.00353	.00574
#2	.00520	-.00454	-.00972	.00030	-.00006	.00133	-.00004	-.00055	.02294	-.00092	.00358	.00393
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00476
Low Limit												-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7270.7**	**109480.**	**5425.6**
Stddev	55.4	122.	29.1
%RSD	.76238	.11173	.53699
#1	7231.5	109390.	5446.3
#2	7309.9	109560.	5405.0

Sample Name: CCVL2383195 Acquired: 11/16/2013 16:55:07 Type: QC
Method: 6500_025(v7) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.10656**	**.01304**	**.11403**	**.01103**	**.00093**	F **.13237**	**.22945**	**.00581**	**.01069**	**.01084**	**.01548**	**.09774**
Stddev	.00016	.00141	.00111	.00059	.00013	.00006	.00166	.00170	.00006	.00007	.00011	.00005	.00222
%RSD	1.5244	1.3275	8.5278	.51609	1.1901	6.3157	1.2522	.74281	1.0510	.67574	.99994	.31693	2.2724
#1	.01072	.10756	.01225	.11445	.01094	.00089	.13354	.22824	.00585	.01074	.01092	.01545	.09931
#2	.01049	.10556	.01383	.11362	.01112	.00098	.13120	.23065	.00577	.01064	.01076	.01552	.09617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8230**	**.01240**	**.19868**	**.01017**	**.02143**	**1.2557**	**.04423**	**3.2170**	**.01027**	**.01117**	**.01018**	**.01587**	**.48010**
Stddev	.0052	.00041	.00235	.00001	.00026	.0143	.00019	.0276	.00045	.00063	.00217	.00171	.00400
%RSD	.13677	3.3096	1.1845	.08171	1.2306	1.1388	.42319	.85816	4.4261	5.6548	21.345	10.770	.83370
#1	3.8193	.01211	.19702	.01018	.02162	1.2456	.04436	3.2365	.01059	.01072	.00865	.01708	.47727
#2	3.8267	.01269	.20035	.01017	.02124	1.2658	.04410	3.1975	.00995	.01162	.01172	.01466	.48293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0274**	**.11062**	**.01065**	**.01471**	**.00998**	**.01681**	F **.09006**	**.00929**	**.02353**	F **.01984**
Stddev	.0086	.00079	.00001	.00077	.00005	.00031	.01146	.00016	.00019	.00090
%RSD	.83370	.71313	.12373	5.2103	.48695	1.8416	12.722	1.7588	.81388	4.5290
#1	1.0214	.11118	.01066	.01526	.00994	.01703	.08196	.00917	.02339	.02048
#2	1.0335	.11006	.01064	.01417	.01001	.01659	.09816	.00940	.02367	.01920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7453.0**	**111280.**	**5480.4**
Stddev	37.4	547.	25.4
%RSD	.50124	.49122	.46268
#1	7426.5	111670.	5498.3
#2	7479.4	110890.	5462.4

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ICP Data Review Checklist

TALS BATCH NUMBER: 281481, 84-85, 87, 89-90, 92, 94-95		Earliest due date: 11/15/13
Run Date: 11/15/13	Analyst: JKH	Instrument: [illegible]
QC programs/Methods Run: 200.7 6010C 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL ((CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/18/13

Comments: _____

2nd Level Reviewer: [signature] Date: 11/20/13

Comments: _____

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Method(s):
~~245.1~~ 245.1_DW
7470A 7471A 7471B

Applicable QC Batches: 200323

Mercury Analysis Raw Data Checklist

Analyst's Checklist

		yes	no	n/a
1.	Were the special instructions for prep and/or analysis followed?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is the blank less than one-half the reporting limit or properly anomalized?	☑	☐	☐
4.	Are the LCSs within limits or properly anomalized?	☑	☐	☐
5.	Are the ICV and all CCVs within limits?	☑	☐	☐
6.	Are the ICB and all CCBs within ± one-half the reporting limit from zero?	☑	☐	☐
7.	Were the CCVs and CCBs run with at most 10 samples between each set?	☑	☐	☐
8.	Are the reporting limits correct and reflect any dilutions?	☑	☐	☐
9.	Are the benchsheets complete (including calibration and standard verification #'s)?	☑	☐	☐
10.	Are all comments, footnotes, and anomalies properly documented?	☑	☐	☐
11.	Are holding time violation forms completed and attached?	☑	☐	☐
12.	Have all sample data been entered into LIMS?	☑	☐	☐
13.	Have all QC data been entered into LIMS?	☑	☐	☐
14.	Have the data entered into LIMS been checked for errors?	☑	☐	☐
15.	For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☑	☐	☐
16.	Are all passing CRAs set to acceptable?	☑	☐	☐
17.	Is the PDF attached?	☑	☐	☐

Analyst's Name: Joe Mooney Date: 11/11/13

Data Review's Checklist

		yes	no	n/a
1.	Have the calculations been checked?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4.	Are all the significant figures and reporting limits correct?	☑	☐	☐
5.	Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6.	Have any data errors been documented and entered into LIMS?	☑	☐	☐
7.	Is prep date correct in LIMS?	☑	☐	☐
8.	If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☑	☐	☐

Reviewed by: [signature] Date: 11/16/13

Comments:

Anomalies:

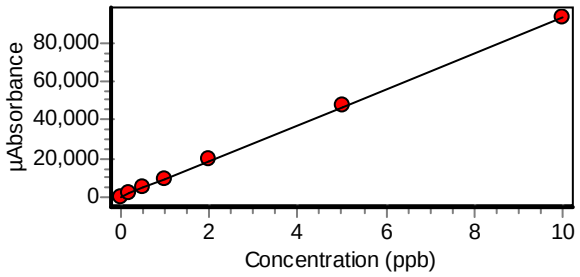
Report Generated By CETAC QuickTrace
Analyst: MooneyJ
Worksheet file: C:\Program Files\QuickTrace\Worksheets\2013\11-NOV\131108taa.wsz
Date Started: 11/8/2013 3:08:49 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	11/08/13 04:06:25 pm	0.000	-3	45.20		1.00	1.00	1.00
Std1	STD	11/08/13 04:08:43 pm	0.200	1997	0.14		1.00	1.00	1.00
Std2	STD	11/08/13 04:11:02 pm	0.500	4833	0.25		1.00	1.00	1.00
Std3	STD	11/08/13 04:13:21 pm	1.000	9716	0.20		1.00	1.00	1.00
Std4	STD	11/08/13 04:15:40 pm	2.000	19234	0.26		1.00	1.00	1.00
Std5	STD	11/08/13 04:18:00 pm	5.000	47312	0.22		1.00	1.00	1.00
Std6	STD	11/08/13 04:20:21 pm	10.000	92696	0.20		1.00	1.00	1.00

Calibration

Equation: A = 340.357 + 9272.770C
R2: 0.99988
SEE: 404.3512
Flags:



ICV 2367816	ICV	11/08/13 04:22:46 pm	4.125	38588	0.39		1.00	1.00	1.00
% Recovery 103.12									
ICB	ICB	11/08/13 04:25:03 pm	-0.040	-27	5.11		1.00	1.00	1.00
CRA 2367818	CRDL	11/08/13 04:27:20 pm	0.178	1994	0.15		1.00	1.00	1.00
% Recovery 89.15									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
CCV 2367817	CCV	11/08/13 04:29:41 pm	5.054	47205	0.27		1.00	1.00
% Recovery 101.08							1.00	
CCB	CCB	11/08/13 04:31:58 pm	-0.038	-16	7.90		1.00	1.00
							1.00	
MB 280-199963/1-A	UNK	11/08/13 04:34:15 pm	-0.038	-13	16.81		1.00	1.00
							1.00	
LCS 280-199963/2-A	UNK	11/08/13 04:36:32 pm	5.133	47936	0.32		1.00	1.00
							1.00	
280-48907-G-1-A	UNK	11/08/13 04:38:50 pm	-0.018	177	1.73		1.00	1.00
							1.00	
280-48787-H-1-B	UNK	11/08/13 04:41:08 pm	-0.037	-6	44.97		1.00	1.00
							1.00	
280-48787-H-1-C MS	UNK	11/08/13 04:43:26 pm	4.973	46451	0.36		1.00	1.00
							1.00	
280-48787-H-1-D MSD	UNK	11/08/13 04:45:45 pm	4.909	45863	0.44		1.00	1.00
							1.00	
280-48787-H-2-B	UNK	11/08/13 04:48:04 pm	-0.020	151	1.27		1.00	1.00
							1.00	
280-48787-H-3-B	UNK	11/08/13 04:50:23 pm	0.013	462	0.33		1.00	1.00
							1.00	
280-48845-G-1-B	UNK	11/08/13 04:52:42 pm	-0.015	202	0.98		1.00	1.00
							1.00	
280-48845-G-2-B	UNK	11/08/13 04:55:02 pm	0.009	422	0.93		1.00	1.00
							1.00	
CCV 2367817	CCV	11/08/13 04:57:22 pm	5.114	47765	0.27		1.00	1.00
% Recovery 102.29							1.00	
CCB	CCB	11/08/13 04:59:39 pm	-0.037	-6	54.22		1.00	1.00
							1.00	
280-48845-G-3-B	UNK	11/08/13 05:01:59 pm	-0.031	50	4.36		1.00	1.00
							1.00	
MB 280-199965/1-A	UNK	11/08/13 05:04:20 pm	-0.036	8	34.41		1.00	1.00
							1.00	
LCS 280-199965/2-A	UNK	11/08/13 05:06:37 pm	5.022	46909	0.26		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48852-B-1-J	UNK	11/08/13 05:08:54 pm	0.003	365	1.73		1.00	1.00	1.00
280-48852-B-1-K MS	UNK	11/08/13 05:11:11 pm	4.916	45925	0.44		1.00	1.00	1.00
280-48852-B-1-L MSD	UNK	11/08/13 05:13:29 pm	4.923	45995	0.20		1.00	1.00	1.00
280-48852-B-2-D	UNK	11/08/13 05:15:47 pm	-0.018	170	1.69		1.00	1.00	1.00
280-48852-B-3-D	UNK	11/08/13 05:18:05 pm	-0.011	237	0.66		1.00	1.00	1.00
280-48852-B-4-D	UNK	11/08/13 05:20:23 pm	0.006	394	0.68		1.00	1.00	1.00
280-48852-B-5-D	UNK	11/08/13 05:22:42 pm	-0.030	59	4.34		1.00	1.00	1.00
CCV 2367817 % Recovery 99.90	CCV	11/08/13 05:25:02 pm	4.995	46656	0.41		1.00	1.00	1.00
CCB	CCB	11/08/13 05:27:19 pm	-0.037	-1	200.41		1.00	1.00	1.00
280-48877-A-2-C	UNK	11/08/13 05:29:38 pm	0.064	932	0.14		1.00	1.00	1.00
280-48881-A-1-C	UNK	11/08/13 05:31:58 pm	0.023	549	0.61		1.00	1.00	1.00
280-48922-F-1-C	UNK	11/08/13 05:34:17 pm	-0.033	32	3.55		1.00	1.00	1.00
280-48922-F-2-C	UNK	11/08/13 05:36:37 pm	-0.016	196	0.83		1.00	1.00	1.00
280-48924-D-1-C	UNK	11/08/13 05:38:54 pm	-0.002	321	1.91		1.00	1.00	1.00
280-48924-D-2-C	UNK	11/08/13 05:41:11 pm	0.004	381	0.52		1.00	1.00	1.00
280-48924-D-3-C	UNK	11/08/13 05:43:29 pm	-0.011	234	0.87		1.00	1.00	1.00
280-48959-I-1-A	UNK	11/08/13 05:45:46 pm	0.004	375	0.45		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48959-A-2-A	UNK	11/08/13 05:48:04 pm	0.088	1155	0.43		1.00	1.00	1.00
280-48850-C-1-E	UNK	11/08/13 05:50:23 pm	0.058	879	0.40		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 05:52:43 pm	4.970	46425	0.41		1.00	1.00	1.00
% Recovery 99.40									
CCB	CCB	11/08/13 05:55:00 pm	-0.037	0	263.37		1.00	1.00	1.00
280-48850-C-2-C	UNK	11/08/13 05:57:18 pm	0.029	612	0.73		1.00	1.00	1.00
280-48850-C-2-D MS	UNK	11/08/13 05:59:37 pm	5.088	47525	0.51		1.00	1.00	1.00
280-48850-C-2-E MSD	UNK	11/08/13 06:01:56 pm	5.060	47264	0.35		1.00	1.00	1.00
MB 280-198955/1-A	UNK	11/08/13 06:04:16 pm	-0.034	26	4.43		1.00	1.00	1.00
LCS 280-198955/2-A	UNK	11/08/13 06:06:35 pm	4.919	45953	0.53		1.00	1.00	1.00
280-48569-E-1-G	UNK	11/08/13 06:08:55 pm	0.009	427	0.46		1.00	1.00	1.00
280-48569-E-1-G sd@5	UNK	11/08/13 06:11:13 pm	-0.032	44	3.53		1.00	1.00	1.00
280-48569-E-1-H MS	UNK	11/08/13 06:13:30 pm	4.881	45597	0.21		1.00	1.00	1.00
280-48569-E-1-I MSD	UNK	11/08/13 06:15:47 pm	4.884	45628	0.33		1.00	1.00	1.00
280-48569-E-2-C	UNK	11/08/13 06:18:05 pm	-0.006	286	1.26		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 06:20:25 pm	5.046	47129	0.35		1.00	1.00	1.00
% Recovery 100.92									
CCB	CCB	11/08/13 06:22:42 pm	-0.038	-11	32.55		1.00	1.00	1.00
280-48569-E-3-C	UNK	11/08/13 06:25:00 pm	0.051	815	0.52		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48569-E-4-C	UNK	11/08/13 06:27:18 pm	-0.012	231	1.52		1.00	1.00	1.00
280-48569-E-5-C	UNK	11/08/13 06:29:37 pm	-0.012	231	1.82		1.00	1.00	1.00
280-48569-E-6-C	UNK	11/08/13 06:31:56 pm	0.020	527	0.26		1.00	1.00	1.00
280-48607-E-1-E	UNK	11/08/13 06:34:15 pm	0.000	342	1.09		1.00	1.00	1.00
280-48607-E-2-C	UNK	11/08/13 06:36:34 pm	0.019	514	0.49		1.00	1.00	1.00
280-48607-E-3-C	UNK	11/08/13 06:38:54 pm	0.029	611	0.97		1.00	1.00	1.00
280-48607-E-6-C	UNK	11/08/13 06:41:14 pm	-0.035	12	17.60		1.00	1.00	1.00
280-48607-E-7-C	UNK	11/08/13 06:43:31 pm	0.016	493	0.72		1.00	1.00	1.00
280-48607-E-9-C	UNK	11/08/13 06:45:49 pm	-0.001	330	0.42		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 06:48:09 pm	4.952	46257	0.58		1.00	1.00	1.00
% Recovery 99.03									
CCB	CCB	11/08/13 06:50:26 pm	-0.037	-4	3.63		1.00	1.00	1.00
280-48607-E-10-C	UNK	11/08/13 06:52:44 pm	0.024	560	0.37		1.00	1.00	1.00
280-48651-B-6-B	UNK	11/08/13 06:55:01 pm	0.102	1283	0.47		1.00	1.00	1.00
280-48651-B-7-B	UNK	11/08/13 06:57:19 pm	-0.035	19	14.25		1.00	1.00	1.00
MB 280-199967/1-A	UNK	11/08/13 06:59:38 pm	-0.015	204	1.27		1.00	1.00	1.00
LCS 280-199967/2-A	UNK	11/08/13 07:01:56 pm	4.874	45534	0.47		1.00	1.00	1.00
280-48795-E-2-A	UNK	11/08/13 07:04:15 pm	-0.035	19	7.76		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48795-E-4-A	UNK	11/08/13 07:06:34 pm	-0.017	183	2.19		1.00	1.00	1.00
280-48795-E-6-A	UNK	11/08/13 07:08:53 pm	0.016	493	0.67		1.00	1.00	1.00
280-48795-E-8-A	UNK	11/08/13 07:11:13 pm	-0.015	200	1.99		1.00	1.00	1.00
280-48908-H-2-A	UNK	11/08/13 07:13:33 pm	-0.038	-9	26.88		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 07:15:53 pm	4.868	45477	0.48		1.00	1.00	1.00
% Recovery 97.35									
CCB	CCB	11/08/13 07:18:10 pm	-0.039	-25	2.59		1.00	1.00	1.00
280-48773-D-1-A	UNK	11/08/13 07:20:28 pm	0.009	422	0.34		1.00	1.00	1.00
280-48773-D-4-A	UNK	11/08/13 07:22:46 pm	0.012	451	0.86		1.00	1.00	1.00
280-48773-D-5-A	UNK	11/08/13 07:25:04 pm	0.019	520	0.45		1.00	1.00	1.00
280-48773-D-6-A	UNK	11/08/13 07:27:23 pm	0.002	355	0.92		1.00	1.00	1.00
280-48773-D-7-A	UNK	11/08/13 07:29:41 pm	-0.033	35	5.52		1.00	1.00	1.00
280-48773-D-8-A	UNK	11/08/13 07:31:59 pm	-0.001	329	1.23		1.00	1.00	1.00
280-48914-H-1-A	UNK	11/08/13 07:34:17 pm	-0.004	302	0.79		1.00	1.00	1.00
280-48914-H-1-A sd@5	UNK	11/08/13 07:36:36 pm	-0.034	28	4.34		1.00	1.00	1.00
280-48914-H-1-B MS	UNK	11/08/13 07:38:55 pm	4.635	43315	0.52		1.00	1.00	1.00
280-48914-H-1-C MSD	UNK	11/08/13 07:41:15 pm	4.681	43746	0.42		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 07:43:35 pm	4.812	44964	0.43		1.00	1.00	1.00
% Recovery 96.25									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCB	CCB	11/08/13 07:45:52 pm	-0.040	-31	6.67		1.00	1.00	1.00
280-48914-H-2-A	UNK	11/08/13 07:48:11 pm	-0.037	-4	37.01		1.00	1.00	1.00
280-48914-H-3-A	UNK	11/08/13 07:50:31 pm	0.013	457	1.17		1.00	1.00	1.00
280-48914-H-4-A	UNK	11/08/13 07:52:50 pm	-0.035	16	13.93		1.00	1.00	1.00
280-48914-H-5-A	UNK	11/08/13 07:55:08 pm	0.023	553	0.98		1.00	1.00	1.00
280-48914-F-6-A	UNK	11/08/13 07:57:26 pm	-0.016	191	0.68		1.00	1.00	1.00
280-48914-H-7-A	UNK	11/08/13 07:59:45 pm	-0.018	175	2.01		1.00	1.00	1.00
280-48914-B-8-A	UNK	11/08/13 08:02:03 pm	-0.034	29	10.15		1.00	1.00	1.00
280-48914-H-9-A	UNK	11/08/13 08:04:21 pm	-0.003	315	0.82		1.00	1.00	1.00
MB 280-198922/1-A	UNK	11/08/13 08:06:40 pm	-0.033	36	2.54		1.00	1.00	1.00
LCS 280-198922/2-A	UNK	11/08/13 08:08:59 pm	4.803	44877	0.62		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 08:11:19 pm	4.823	45065	0.56		1.00	1.00	1.00
% Recovery 96.46									
CCB	CCB	11/08/13 08:13:36 pm	-0.039	-21	9.10		1.00	1.00	1.00
280-48569-A-1-B	UNK	11/08/13 08:15:55 pm	-0.036	11	30.98		1.00	1.00	1.00
280-48569-A-2-B	UNK	11/08/13 08:18:14 pm	0.003	365	1.18		1.00	1.00	1.00
280-48569-A-3-B	UNK	11/08/13 08:20:34 pm	-0.034	28	5.61		1.00	1.00	1.00
280-48569-A-4-A	UNK	11/08/13 08:22:54 pm	-0.037	-3	63.40		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48569-A-5-B	UNK	11/08/13 08:25:12 pm	-0.036	10	27.10		1.00	1.00	1.00
280-48569-A-6-A	UNK	11/08/13 08:27:31 pm	-0.034	25	6.14		1.00	1.00	1.00
280-48607-A-1-A	UNK	11/08/13 08:29:50 pm	-0.032	47	6.24		1.00	1.00	1.00
280-48607-A-2-B	UNK	11/08/13 08:32:08 pm	-0.023	124	2.92		1.00	1.00	1.00
280-48607-A-3-A	UNK	11/08/13 08:34:27 pm	-0.031	55	3.86		1.00	1.00	1.00
280-48607-A-6-A	UNK	11/08/13 08:36:46 pm	-0.031	52	7.01		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 08:39:06 pm	4.902	45800	0.29		1.00	1.00	1.00
% Recovery 98.05									
CCB	CCB	11/08/13 08:41:23 pm	-0.037	1	263.30		1.00	1.00	1.00
280-48607-A-7-A	UNK	11/08/13 08:43:41 pm	-0.012	225	0.65		1.00	1.00	1.00
280-48607-A-9-B	UNK	11/08/13 08:46:00 pm	0.022	540	0.72		1.00	1.00	1.00
280-48607-A-10-A	UNK	11/08/13 08:48:19 pm	-0.008	267	0.69		1.00	1.00	1.00
280-48623-A-1-A	UNK	11/08/13 08:50:39 pm	-0.034	26	2.06		1.00	1.00	1.00
280-48623-A-1-A sd@5	UNK	11/08/13 08:52:58 pm	-0.041	-39	6.00		1.00	1.00	1.00
280-48623-A-1-B MS	UNK	11/08/13 08:55:18 pm	3.700	34647	0.41		1.00	1.00	1.00
280-48623-A-1-C MSD	UNK	11/08/13 08:57:37 pm	3.836	35911	0.27		1.00	1.00	1.00
280-48623-A-2-A	UNK	11/08/13 08:59:56 pm	-0.063	-246	0.50		1.00	1.00	1.00
280-48623-A-3-A	UNK	11/08/13 09:02:15 pm	-0.043	-60	2.71		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48623-A-4-A	UNK	11/08/13 09:04:34 pm	-0.037	-3	7.43		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 09:06:54 pm	4.777	44632	0.38		1.00	1.00	1.00
% Recovery 95.53									
CCB	CCB	11/08/13 09:09:11 pm	-0.037	-6	27.29		1.00	1.00	1.00
280-48623-A-5-A	UNK	11/08/13 09:11:30 pm	-0.037	0	577.56		1.00	1.00	1.00
280-48623-A-6-A	UNK	11/08/13 09:13:49 pm	-0.037	-2	112.64		1.00	1.00	1.00
280-48623-A-8-A	UNK	11/08/13 09:16:08 pm	-0.033	35	0.38		1.00	1.00	1.00
MB 280-198954/1-A	UNK	11/08/13 09:18:27 pm	-0.030	61	5.52		1.00	1.00	1.00
LCS 280-198954/2-A	UNK	11/08/13 09:20:46 pm	4.762	44498	0.47		1.00	1.00	1.00
280-48559-B-1-D	UNK	11/08/13 09:23:05 pm	-0.035	14	38.33		1.00	1.00	1.00
280-48559-B-1-E MS	UNK	11/08/13 09:25:25 pm	4.600	42994	0.34		1.00	1.00	1.00
280-48559-B-1-F MSD	UNK	11/08/13 09:27:45 pm	4.609	43081	0.27		1.00	1.00	1.00
280-48559-B-2-B	UNK	11/08/13 09:30:04 pm	-0.038	-12	21.15		1.00	1.00	1.00
280-48559-B-3-B	UNK	11/08/13 09:32:23 pm	-0.036	7	39.55		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 09:34:43 pm	4.824	45069	0.44		1.00	1.00	1.00
% Recovery 96.47									
CCB	CCB	11/08/13 09:37:00 pm	-0.037	-5	39.61		1.00	1.00	1.00
280-48560-B-1-B	UNK	11/08/13 09:39:19 pm	-0.033	37	3.01		1.00	1.00	1.00
280-48560-B-2-B	UNK	11/08/13 09:41:39 pm	-0.034	28	10.43		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48611-C-1-B	UNK	11/08/13 09:43:58 pm	-0.034	26	5.67		1.00	1.00	1.00
280-48611-C-2-B	UNK	11/08/13 09:46:17 pm	-0.042	-45	4.70		1.00	1.00	1.00
280-48611-C-3-B	UNK	11/08/13 09:48:36 pm	-0.033	31	5.74		1.00	1.00	1.00
280-48611-C-4-B	UNK	11/08/13 09:50:55 pm	-0.034	30	12.60		1.00	1.00	1.00
280-48614-C-1-B	UNK	11/08/13 09:53:14 pm	-0.037	0	238.54		1.00	1.00	1.00
280-48614-C-2-B	UNK	11/08/13 09:55:34 pm	-0.035	19	12.34		1.00	1.00	1.00
280-48614-C-3-B	UNK	11/08/13 09:57:53 pm	-0.036	11	27.96		1.00	1.00	1.00
280-48614-C-4-B	UNK	11/08/13 10:00:13 pm	-0.034	21	15.97		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 10:02:33 pm	4.857	45377	0.46		1.00	1.00	1.00
% Recovery 97.14									
CCB	CCB	11/08/13 10:04:50 pm	-0.036	4	63.63		1.00	1.00	1.00
280-48614-C-5-B	UNK	11/08/13 10:07:10 pm	-0.033	33	2.51		1.00	1.00	1.00
MB 280-199969/1-A	UNK	11/08/13 10:09:30 pm	-0.033	38	10.27		1.00	1.00	1.00
LCS 280-199969/2-A	UNK	11/08/13 10:11:49 pm	4.722	44123	0.49		1.00	1.00	1.00
280-48826-A-1-B	UNK	11/08/13 10:14:09 pm	-0.036	10	18.21		1.00	1.00	1.00
280-48859-B-35-B	UNK	11/08/13 10:16:29 pm	-0.034	22	4.63		1.00	1.00	1.00
280-48798-J-1-B	UNK	11/08/13 10:18:48 pm	-0.029	67	1.94		1.00	1.00	1.00
280-48951-B-16-A	UNK	11/08/13 10:21:08 pm	-0.035	20	6.36		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48702-A-2-A	UNK	11/08/13 10:23:28 pm	-0.035	12	28.61		1.00	1.00	1.00
280-48702-A-2-A sd@5	UNK	11/08/13 10:25:47 pm	-0.040	-27	6.31		1.00	1.00	1.00
280-48702-A-2-B MS	UNK	11/08/13 10:28:07 pm	4.727	44177	0.40		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 10:30:27 pm	4.857	45379	0.50		1.00	1.00	1.00
% Recovery 97.14									
CCB	CCB	11/08/13 10:32:44 pm	-0.037	0	415.70		1.00	1.00	1.00
280-48702-A-2-C MSD	UNK	11/08/13 10:35:04 pm	4.811	44947	0.72		1.00	1.00	1.00
280-48702-A-3-A	UNK	11/08/13 10:37:23 pm	-0.036	5	29.83		1.00	1.00	1.00
280-48702-A-5-G	UNK	11/08/13 10:39:43 pm	-0.035	11	29.59		1.00	1.00	1.00
280-48702-A-5-H MS	UNK	11/08/13 10:42:03 pm	3.999	37418	0.35		1.00	1.00	1.00
280-48702-A-5-I MSD	UNK	11/08/13 10:44:23 pm	3.967	37124	0.39		1.00	1.00	1.00
280-48702-B-6-C	UNK	11/08/13 10:46:43 pm	-0.062	-238	1.72		1.00	1.00	1.00
280-48702-A-7-C	UNK	11/08/13 10:49:03 pm	-0.036	10	54.95		1.00	1.00	1.00
280-48702-A-9-C	UNK	11/08/13 10:51:23 pm	-0.043	-58	2.28		1.00	1.00	1.00
280-48832-C-1-D	UNK	11/08/13 10:53:43 pm	-0.011	234	1.30		1.00	1.00	1.00
280-48832-C-2-B	UNK	11/08/13 10:56:03 pm	-0.037	-3	43.21		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 10:58:23 pm	4.806	44900	0.48		1.00	1.00	1.00
% Recovery 96.11									
CCB	CCB	11/08/13 11:00:40 pm	-0.037	1	99.42		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48832-C-3-B	UNK	11/08/13 11:03:00 pm	-0.021	149	0.77		1.00	1.00	1.00
280-48832-C-4-B	UNK	11/08/13 11:05:20 pm	-0.036	4	35.72		1.00	1.00	1.00
280-48832-C-5-B	UNK	11/08/13 11:07:39 pm	-0.013	220	0.70		1.00	1.00	1.00
280-48832-C-6-B	UNK	11/08/13 11:09:59 pm	0.151	1738	0.49		1.00	1.00	1.00
280-48832-C-7-B	UNK	11/08/13 11:12:19 pm	0.008	416	0.64		1.00	1.00	1.00
280-48900-K-1-G	UNK	11/08/13 11:14:40 pm	-0.036	4	53.45		1.00	1.00	1.00
280-48900-K-2-C	UNK	11/08/13 11:17:00 pm	-0.038	-12	12.29		1.00	1.00	1.00
LB 280-199618/1-B	UNK	11/08/13 11:19:20 pm	-0.039	-18	9.43		1.00	1.00	1.00
LCS 280-199618/2-B	UNK	11/08/13 11:21:40 pm	4.622	43200	0.38		1.00	1.00	1.00
280-48532-B-8-B	UNK	11/08/13 11:24:00 pm	-0.030	61	3.89		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 11:26:20 pm	4.814	44975	0.45		1.00	1.00	1.00
% Recovery 96.27									
CCB	CCB	11/08/13 11:28:37 pm	-0.040	-31	9.33		1.00	1.00	1.00
280-48643-A-6-E	UNK	11/08/13 11:30:58 pm	0.040	710	0.27		1.00	1.00	1.00
280-48643-A-6-F MS	UNK	11/08/13 11:33:18 pm	4.761	44485	0.36		1.00	1.00	1.00
280-48643-A-6-G MSD	UNK	11/08/13 11:35:38 pm	4.786	44720	0.33		1.00	1.00	1.00
LB 280-199579/1-C	UNK	11/08/13 11:37:58 pm	-0.039	-21	2.40		1.00	1.00	1.00
LCS 280-199579/2-C	UNK	11/08/13 11:40:18 pm	5.527	51593	0.12		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48796-A-1-C	UNK	11/08/13 11:42:38 pm	0.210	2288	0.24		1.00	1.00	1.00
280-48796-A-2-C	UNK	11/08/13 11:44:59 pm	0.102	1284	0.12		1.00	1.00	1.00
280-48813-B-1-F	UNK	11/08/13 11:47:19 pm	0.005	387	0.70		1.00	1.00	1.00
280-48813-B-1-G MS	UNK	11/08/13 11:49:39 pm	5.050	47168	0.35		1.00	1.00	1.00
280-48813-B-1-H MSD	UNK	11/08/13 11:52:00 pm	5.101	47637	0.07		1.00	1.00	1.00
CCV 2367817	CCV	11/08/13 11:54:20 pm	4.868	45478	0.73		1.00	1.00	1.00
% Recovery 97.35									
CCB	CCB	11/08/13 11:56:37 pm	-0.040	-32	9.98		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	60.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

Method(s):

245.1 **245.1_DW**

7470A 7471A **7471B**

Applicable QC Batches: 200988

Mercury Analysis Raw Data Checklist

Analyst's Checklist

	yes	no	n/a
1. Were the special instructions for prep and/or analysis followed?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is the blank less than one-half the reporting limit or properly anomalized?	☑	☐	☐
4. Are the LCSs within limits or properly anomalized?	☑	☐	☐
5. Are the ICV and all CCVs within limits?	☑	☐	☐
6. Are the ICB and all CCBs within ± one-half the reporting limit from zero?	☑	☐	☐
7. Were the CCVs and CCBs run with at most 10 samples between each set?	☑	☐	☐
8. Are the reporting limits correct and reflect any dilutions?	☑	☐	☐
9. Are the benchsheets complete (including calibration and standard verification #'s)?	☑	☐	☐
10. Are all comments, footnotes, and anomalies properly documented?	☑	☐	☐
11. Are holding time violation forms completed and attached?	☑	☐	☐
12. Have all sample data been entered into LIMS?	☑	☐	☐
13. Have all QC data been entered into LIMS?	☑	☐	☐
14. Have the data entered into LIMS been checked for errors?	☑	☐	☐
15. For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☐	☑
16. Are all passing CRAs set to acceptable?	☑	☐	☐
17. Is the PDF attached?	☑	☐	☐

Analyst's Name: Joe Mooney Date: 11/14/13

Data Review's Checklist

	yes	no	n/a
1. Have the calculations been checked?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4. Are all the significant figures and reporting limits correct?	☑	☐	☐
5. Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6. Have any data errors been documented and entered into LIMS?	☑	☐	☐
7. Is prep date correct in LIMS?	☑	☐	☐
8. If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☑	☐	☐

Reviewed by: Cm Trelle Date: 11/15/13

Comments: _____

Anomalies: _____

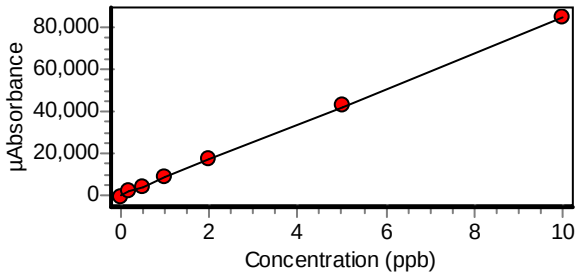
Report Generated By CETAC QuickTrace
Analyst: MooneyJ
Worksheet file: C:\Program Files\QuickTrace\Worksheets\2013\11-NOV\131113aa.wsz
Date Started: 11/13/2013 4:42:27 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	11/13/13 05:33:34 pm	0.000	-682	2.96		1.00	1.00	1.00
Std1	STD	11/13/13 05:35:52 pm	0.200	1713	0.42		1.00	1.00	1.00
Std2	STD	11/13/13 05:38:10 pm	0.500	4328	0.33		1.00	1.00	1.00
Std3	STD	11/13/13 05:40:29 pm	1.000	8677	0.53		1.00	1.00	1.00
Std4	STD	11/13/13 05:42:48 pm	2.000	17139	0.18		1.00	1.00	1.00
Std5	STD	11/13/13 05:45:08 pm	5.000	42829	0.08		1.00	1.00	1.00
Std6	STD	11/13/13 05:47:28 pm	10.000	84208	0.27		1.00	1.00	1.00

Calibration

Equation: A = 21.296 + 8452.581C
R2: 0.99983
SEE: 447.2808
Flags:



ICV 2378630	ICV	11/13/13 05:57:56 pm	4.232	35790	0.36		1.00	1.00	1.00
% Recovery 105.79									
ICB	ICB	11/13/13 06:01:34 pm	-0.001	9	44.22		1.00	1.00	1.00
CRA 2378631	CRDL	11/13/13 06:06:23 pm	0.203	1739	0.27		1.00	1.00	1.00
% Recovery 101.60									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 2378629	CCV	11/13/13 06:08:43 pm	5.141	43472	0.27		1.00	1.00
% Recovery 102.81							1.00	
CCB	CCB	11/13/13 06:11:00 pm	-0.003	-6	54.59		1.00	1.00
							1.00	
MB 280-200319/1-A	UNK	11/13/13 06:13:17 pm	-0.004	-13	20.64		1.00	1.00
							1.00	
LCS 280-200319/2-A	UNK	11/13/13 06:18:01 pm	5.118	43278	0.08		1.00	1.00
							1.00	
280-49047-A-2-G	UNK	11/13/13 06:20:18 pm	0.743	6302	0.51		1.00	1.00
							1.00	
280-49047-A-2-G sd@5	UNK	11/13/13 06:22:36 pm	0.160	1371	0.65		1.00	1.00
							1.00	
280-49047-A-2-H MS	UNK	11/13/13 06:24:54 pm	5.024	42487	0.10		1.00	1.00
							1.00	
280-49047-A-2-I MSD	UNK	11/13/13 06:27:12 pm	4.874	41222	0.89		1.00	1.00
							1.00	
280-49047-A-3-C	UNK	11/13/13 06:29:31 pm	1.362	11533	0.95		1.00	1.00
							1.00	
280-49047-A-4-C	UNK	11/13/13 06:31:49 pm	0.325	2767	0.54		1.00	1.00
							1.00	
280-49047-A-5-C	UNK	11/13/13 06:34:09 pm	0.191	1632	0.17		1.00	1.00
							1.00	
280-49047-A-6-C	UNK	11/13/13 06:36:28 pm	0.859	7283	0.46		1.00	1.00
							1.00	
CCV 2378629	CCV	11/13/13 06:38:48 pm	5.309	44897	0.48		1.00	1.00
% Recovery 106.18							1.00	
CCB	CCB	11/13/13 06:41:04 pm	-0.003	-2	38.33		1.00	1.00
							1.00	
280-49047-A-7-C	UNK	11/13/13 06:43:24 pm	0.340	2897	0.41		1.00	1.00
							1.00	
280-49047-A-8-C	UNK	11/13/13 06:45:44 pm	1.148	9723	1.02		1.00	1.00
							1.00	
280-49047-A-9-C	UNK	11/13/13 06:48:01 pm	1.583	13400	0.64		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
MB 280-199719/1-A	UNK	11/13/13 06:50:17 pm	-0.015	-103	6.10		1.00	1.00	1.00
LCS 280-199719/2-A	UNK	11/13/13 06:52:34 pm	3.848	32549	0.51		1.00	1.00	1.00
280-48486-A-1-F	UNK	11/13/13 06:54:52 pm	0.132	1138	0.18		1.00	1.00	1.00
280-48651-A-1-D	UNK	11/13/13 06:57:09 pm	0.216	1847	0.20		1.00	1.00	1.00
280-48651-A-2-B	UNK	11/13/13 06:59:27 pm	0.073	635	0.73		1.00	1.00	1.00
280-48651-A-3-B	UNK	11/13/13 07:01:45 pm	0.238	2030	0.48		1.00	1.00	1.00
280-48651-A-4-B	UNK	11/13/13 07:04:04 pm	0.216	1849	0.22		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:06:23 pm	5.414	45781	0.18		1.00	1.00	1.00
% Recovery 108.27									
CCB	CCB	11/13/13 07:08:40 pm	-0.004	-10	26.42		1.00	1.00	1.00
280-48651-A-5-B	UNK	11/13/13 07:10:59 pm	0.082	716	0.45		1.00	1.00	1.00
280-48651-A-5-B sd@5	UNK	11/13/13 07:13:18 pm	0.014	139	1.39		1.00	1.00	1.00
280-48651-A-5-C MS	UNK	11/13/13 07:15:37 pm	5.452	46106	0.58		1.00	1.00	1.00
280-48651-A-5-D MSD	UNK	11/13/13 07:18:23 pm	5.186	43857	0.20		1.00	1.00	1.00
LCS 280-199719/2-A	UNK	11/13/13 07:20:40 pm	4.360	36877	0.16		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:22:59 pm	5.372	45429	0.22		1.00	1.00	1.00
% Recovery 107.44									
CCB	CCB	11/13/13 07:25:16 pm	-0.007	-35	8.51		1.00	1.00	1.00
MB 280-199718/1-A	UNK	11/13/13 07:27:33 pm	-0.008	-44	13.74		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
LCS 280-199718/2-A	UNK	11/13/13 07:29:50 pm	4.107	34733	0.46		1.00	1.00	1.00
280-48840-A-1-B	UNK	11/13/13 07:32:07 pm	0.441	3753	0.18		1.00	1.00	1.00
280-48840-A-2-B	UNK	11/13/13 07:34:24 pm	0.141	1211	0.19		1.00	1.00	1.00
280-48840-A-3-B	UNK	11/13/13 07:36:41 pm	0.064	566	0.59		1.00	1.00	1.00
280-48840-A-4-B	UNK	11/13/13 07:38:59 pm	0.216	1845	0.35		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:41:19 pm	5.413	45778	0.16		1.00	1.00	1.00
% Recovery 108.27									
CCB	CCB	11/13/13 07:43:36 pm	-0.002	4	105.30		1.00	1.00	1.00
280-48840-A-5-D	UNK	11/13/13 07:45:54 pm	0.119	1023	0.39		1.00	1.00	1.00
280-48840-A-5-D sd@5	UNK	11/13/13 07:48:12 pm	0.026	240	0.64		1.00	1.00	1.00
280-48840-A-5-E MS	UNK	11/13/13 07:50:31 pm	5.270	44563	0.27		1.00	1.00	1.00
280-48840-A-5-F MSD	UNK	11/13/13 07:52:50 pm	5.122	43317	0.34		1.00	1.00	1.00
280-48840-A-6-B	UNK	11/13/13 07:55:09 pm	0.070	612	0.06		1.00	1.00	1.00
280-48840-A-7-B	UNK	11/13/13 07:57:29 pm	0.657	5577	0.23		1.00	1.00	1.00
280-48840-A-8-B	UNK	11/13/13 07:59:46 pm	0.388	3298	0.16		1.00	1.00	1.00
280-48840-A-9-B	UNK	11/13/13 08:02:03 pm	0.201	1717	0.12		1.00	1.00	1.00
280-48840-A-10-B	UNK	11/13/13 08:04:20 pm	0.088	768	0.15		1.00	1.00	1.00
280-48840-A-11-B	UNK	11/13/13 08:06:37 pm	0.183	1564	0.30		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCV 2378629	CCV	11/13/13 08:08:57 pm	5.455	46127	0.36		1.00	1.00	1.00
% Recovery 109.09									
CCB	CCB	11/13/13 08:11:14 pm	-0.003	0	281.45		1.00	1.00	1.00
280-48840-A-12-B	UNK	11/13/13 08:13:31 pm	0.289	2460	0.32		1.00	1.00	1.00
280-48840-A-13-B	UNK	11/13/13 08:15:49 pm	0.041	370	0.80		1.00	1.00	1.00
280-48840-A-14-B	UNK	11/13/13 08:18:07 pm	0.194	1662	0.23		1.00	1.00	1.00
280-48840-A-15-B	UNK	11/13/13 08:20:26 pm	0.190	1626	0.50		1.00	1.00	1.00
280-48840-A-16-B	UNK	11/13/13 08:22:45 pm	0.193	1650	0.31		1.00	1.00	1.00
280-48840-A-17-B	UNK	11/13/13 08:25:04 pm	0.061	536	0.30		1.00	1.00	1.00
MB 280-200317/1-A	UNK	11/13/13 08:27:23 pm	0.002	37	13.41		1.00	1.00	1.00
LCS 280-200317/2-A	UNK	11/13/13 08:29:42 pm	4.247	35923	0.17		1.00	1.00	1.00
280-48987-A-1-E	UNK	11/13/13 08:32:00 pm	0.154	1324	0.26		1.00	1.00	1.00
280-48987-A-1-E sd@5	UNK	11/13/13 08:34:17 pm	0.032	290	1.36		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 08:36:37 pm	5.456	46136	0.41		1.00	1.00	1.00
% Recovery 109.11									
CCB	CCB	11/13/13 08:38:54 pm	-0.005	-18	23.40		1.00	1.00	1.00
280-48987-A-1-F MS	UNK	11/13/13 08:41:11 pm	5.494	46461	0.17		1.00	1.00	1.00
280-48987-A-1-G MSD	UNK	11/13/13 08:43:28 pm	5.425	45873	0.45		1.00	1.00	1.00
280-48987-A-2-C	UNK	11/13/13 08:45:46 pm	0.042	376	0.71		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48987-A-4-C	UNK	11/13/13 08:48:04 pm	0.088	767	0.49		1.00	1.00	1.00
280-48987-A-5-C	UNK	11/13/13 08:50:22 pm	0.079	692	0.11		1.00	1.00	1.00
280-48987-A-7-C	UNK	11/13/13 08:52:40 pm	0.279	2379	0.14		1.00	1.00	1.00
280-48987-A-8-C	UNK	11/13/13 08:54:59 pm	0.046	407	0.49		1.00	1.00	1.00
280-49040-A-1-C	UNK	11/13/13 08:57:18 pm	0.134	1152	0.46		1.00	1.00	1.00
280-49040-A-2-C	UNK	11/13/13 08:59:37 pm	0.040	361	0.84		1.00	1.00	1.00
280-49040-A-4-C	UNK	11/13/13 09:01:57 pm	0.115	997	0.47		1.00	1.00	1.00
CCV 2378629 % Recovery 109.80	CCV	11/13/13 09:04:16 pm	5.490	46427	0.31		1.00	1.00	1.00
CCB	CCB	11/13/13 09:06:33 pm	0.000	19	8.84		1.00	1.00	1.00
280-49040-A-5-C	UNK	11/13/13 09:08:51 pm	0.048	426	0.71		1.00	1.00	1.00
MB 280-200734/1-A	UNK	11/13/13 09:11:09 pm	-0.002	8	9.57		1.00	1.00	1.00
LCS 280-200734/2-A	UNK	11/13/13 09:13:26 pm	5.410	45747	0.31		1.00	1.00	1.00
280-48835-A-1-B	UNK	11/13/13 09:15:44 pm	0.377	3210	0.43		1.00	1.00	1.00
280-48835-A-1-B sd@5	UNK	11/13/13 09:18:02 pm	0.080	698	0.42		1.00	1.00	1.00
280-48835-A-1-C MS	UNK	11/13/13 09:20:20 pm	5.662	47882	0.21		1.00	1.00	1.00
280-48835-A-1-D MSD	UNK	11/13/13 09:22:38 pm	5.545	46886	0.28		1.00	1.00	1.00
280-48835-A-2-B	UNK	11/13/13 09:24:56 pm	0.086	744	0.12		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48835-A-4-B	UNK	11/13/13 09:27:15 pm	0.224	1918	0.38		1.00	1.00	1.00
280-48835-A-6-B	UNK	11/13/13 09:29:34 pm	0.126	1087	0.05		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 09:31:54 pm	5.514	46631	0.22		1.00	1.00	1.00
% Recovery 110.28									
CCB	CCB	11/13/13 09:34:11 pm	-0.004	-13	8.62		1.00	1.00	1.00
280-48835-A-7-B	UNK	11/13/13 09:36:30 pm	0.044	397	0.68		1.00	1.00	1.00
280-48835-A-9-B	UNK	11/13/13 09:38:50 pm	0.066	578	0.48		1.00	1.00	1.00
280-49098-A-1-A	UNK	11/13/13 09:41:08 pm	0.134	1154	0.67		1.00	1.00	1.00
280-49098-A-2-A	UNK	11/13/13 09:43:26 pm	0.147	1267	0.23		1.00	1.00	1.00
280-49098-A-3-A	UNK	11/13/13 09:45:44 pm	0.035	319	0.54		1.00	1.00	1.00
280-49098-A-5-A	UNK	11/13/13 09:48:02 pm	0.177	1514	0.13		1.00	1.00	1.00
280-49098-A-6-A	UNK	11/13/13 09:50:20 pm	0.013	134	2.52		1.00	1.00	1.00
MB 280-200738/1-A	UNK	11/13/13 09:52:38 pm	-0.003	-7	28.48		1.00	1.00	1.00
LCS 280-200738/2-A	UNK	11/13/13 09:54:56 pm	5.472	46274	0.38		1.00	1.00	1.00
280-49045-A-1-C	UNK	11/13/13 09:57:14 pm	1.006	8529	0.25		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 09:59:34 pm	5.490	46424	0.04		1.00	1.00	1.00
% Recovery 109.80									
CCB	CCB	11/13/13 10:01:51 pm	-0.003	-7	54.71		1.00	1.00	1.00
280-49045-A-2-D	UNK	11/13/13 10:04:09 pm	4.700	39747	0.12		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-49045-A-4-C	UNK	11/13/13 10:06:28 pm	0.105	907	0.24		1.00	1.00	1.00
280-49045-A-6-D	UNK	11/13/13 10:08:48 pm	0.148	1274	0.49		1.00	1.00	1.00
280-49045-A-8-C	UNK	11/13/13 10:11:07 pm	0.172	1471	0.63		1.00	1.00	1.00
280-49045-A-10-C	UNK	11/13/13 10:13:26 pm	0.131	1132	0.60		1.00	1.00	1.00
280-49045-A-12-C	UNK	11/13/13 10:15:44 pm	1.313	11117	0.11		1.00	1.00	1.00
280-49045-A-13-C	UNK	11/13/13 10:18:02 pm	5.270	44564	0.44		1.00	1.00	1.00
280-49045-A-14-C	UNK	11/13/13 10:20:20 pm	2.391	20234	0.06		1.00	1.00	1.00
280-49045-A-15-G	UNK	11/13/13 10:22:39 pm	1.374	11638	0.09		1.00	1.00	1.00
280-49045-A-15-H MS	UNK	11/13/13 10:24:57 pm	6.875	58131	0.20		1.00	1.00	1.00
CCV 2378629 % Recovery 118.32	CCV	11/13/13 10:27:16 pm	5.916	50028	0.14		1.00	1.00	1.00
CCB	CCB	11/13/13 10:29:33 pm	-0.005	-19	17.40		1.00	1.00	1.00
280-49045-A-15-I MSD	UNK	11/13/13 10:31:52 pm	7.877	66598	0.39		1.00	1.00	1.00
280-49045-A-16-C	UNK	11/13/13 10:34:10 pm	3.186	26950	0.10		1.00	1.00	1.00
280-49045-A-17-C	UNK	11/13/13 10:36:29 pm	0.068	596	0.42		1.00	1.00	1.00
280-49045-A-18-C	UNK	11/13/13 10:38:48 pm	2.800	23693	1.28		1.00	1.00	1.00
280-49111-A-6-D	UNK	11/13/13 10:41:07 pm	0.098	853	0.43		1.00	1.00	1.00
280-49141-A-1-B	UNK	11/13/13 10:43:27 pm	0.337	2873	0.39		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-49126-A-1-D	UNK	11/13/13 10:45:45 pm	9.274	78412	0.59		1.00	1.00	1.00
280-49126-A-2-D	UNK	11/13/13 10:48:04 pm	47.611	402461	0.21	O	1.00	1.00	1.00
280-49126-A-3-D	UNK	11/13/13 10:52:32 pm	65.858	556691	0.19	O	1.00	1.00	1.00
280-49126-A-4-D	UNK	11/13/13 10:57:06 pm	2.518	21310	0.26		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 10:59:26 pm	5.888	49789	0.16		1.00	1.00	1.00
% Recovery 117.76									
CCB	CCB	11/13/13 11:01:43 pm	-0.001	12	35.15		1.00	1.00	1.00
280-49126-A-5-D	UNK	11/13/13 11:04:01 pm	59.706	504690	0.57	O	1.00	1.00	1.00
MB 280-200739/1-A	UNK	11/13/13 11:08:16 pm	-0.006	-32	20.19		1.00	1.00	1.00
LCS 280-200739/2-A	UNK	11/13/13 11:10:35 pm	6.027	50962	0.13		1.00	1.00	1.00
280-49079-A-1-C	UNK	11/13/13 11:12:53 pm	1.431	12114	0.54		1.00	1.00	1.00
280-49079-A-2-C	UNK	11/13/13 11:15:12 pm	2.419	20467	0.89		1.00	1.00	1.00
280-49079-A-3-C	UNK	11/13/13 11:17:31 pm	4.010	33918	0.58		1.00	1.00	1.00
280-49079-A-4-C	UNK	11/13/13 11:19:51 pm	7.209	60959	0.43		1.00	1.00	1.00
280-49079-A-5-C	UNK	11/13/13 11:22:10 pm	9.376	79274	0.13		1.00	1.00	1.00
280-49079-A-6-G	UNK	11/13/13 11:24:29 pm	13.256	112068	0.57	O	1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 11:27:56 pm	5.953	50341	0.09		1.00	1.00	1.00
% Recovery 119.06									
CCB	CCB	11/13/13 11:30:12 pm	-0.008	-44	4.83		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	61.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 198991 Batch Start Date: 11/07/13 07:30 Batch Analyst: Mihalcin, Jason A

Batch Method: 3010A Batch End Date: 11/07/13 12:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2A 00066	ICP SPK 3A 00069
MB 280-198991/1		3010A, 6010C		<2	50 mL	50 mL		
LCS 280-198991/2		3010A, 6010C		<2	50 mL	50 mL	0.5 mL	0.5 mL
280-48651-B-6	AOI474SW0102AA	3010A, 6010C	T	<2	50 mL	50 mL		
280-48651-B-7	103013AE	3010A, 6010C	T	<2	50 mL	50 mL		

Batch Notes

Lot # of hydrochloric acid	0000055129-10/31
Lot # of Nitric Acid	0000050770-10/21
Hot Block ID number	07 F5
Oven, Bath or Block Temperature 1	92 Degrees C
Oven, Bath or Block Temperature 2	94 Degrees C
Pipette ID	MET-007
ID number of the thermometer	MP7
Digestion Tube/Cup Lot #	1306159
Uncorrected Temperature	92 Degrees C
Uncorrected Temperature 2	94 Degrees C
Vendor of Reagent used	JTBAKER

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 199600 Batch Start Date: 11/08/13 07:50 Batch Analyst: Rhoades, Chris R

Batch Method: 3050B Batch End Date: 11/08/13 12:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ICP SPK 2A 00066	ICP SPK 3A 00070
MB 280-199600/1		3050B, 6010C		CALC NOT SET TO RUN	1.08 g	100 mL		
LCS 280-199600/2		3050B, 6010C		CALC NOT SET TO RUN	1.16 g	100 mL	1 mL	1 mL
280-48651-A-1	AOI474NW0102AA	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL		
280-48651-A-1 MS	AOI474NW0102AA	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL	1 mL	1 mL
280-48651-A-1 MSD	AOI474NW0102AA	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL
280-48651-A-2	AOI474SW0102AA	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL		
280-48651-A-3	AOI474WW0102AA	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL		
280-48651-A-4	AOI474EW0102AA	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL		
280-48651-A-5	AOI474BT0103AA	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 199600 Batch Start Date: 11/08/13 07:50 Batch Analyst: Rhoades, Chris R

Batch Method: 3050B Batch End Date: 11/08/13 12:50

Batch Notes

Acid used for pH adjustment	0000050770-10/21
Balance ID	24750836
Filter Paper Lot Number	400064
Hydrogen peroxide lot number	0000036261-9/30
Lot # of hydrochloric acid	0000055129-10/31
Lot # of Nitric Acid	000050770-10/21
Hood ID or number	09
Hot Block ID number	02 E5
Oven, Bath or Block Temperature 1	92 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-007
Temperature	94 Degrees C
ID number of the thermometer	MP2
Digestion Tube/Cup Lot #	1303205
Uncorrected Temperature	92 Celsius
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 198955 Batch Start Date: 11/08/13 13:30 Batch Analyst: Mooney, Joseph C

Batch Method: 7470A Batch End Date: 11/08/13 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 00940
MB 280-198955/1		7470A, 7470A			30 mL	30 mL	
LCS 280-198955/2		7470A, 7470A			30 mL	30 mL	1.5 mL
280-48651-B-6	AOI474SW0102AA	7470A, 7470A	T	<2	30 mL	30 mL	
280-48651-B-7	103013AE	7470A, 7470A	T	<2	30 mL	30 mL	

Batch Notes

Hydroxylamine Hydrochloride Lot	2CF0261-11/06
Sulfuric Acid Lot Number	0000035166-10/2
Lot # of hydrochloric acid	0000040272-10/30
Lot # of Nitric Acid	0000042514-9/20
Hood ID or number	HOOD3
Hot Block ID number	13 F-4
Potassium Persulfate Lot Number	121266-11/05
Potassium Permanganate Lot Number	0000047557-11/08
NaCL Lot #	0000041327-9/25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
Pipette ID	MET58
Stannous Chloride Lot Number	0000055057-11/07
SOP Number	DVMT0017
Temperature	95
ID number of the thermometer	HG-2
Digestion Tube/Cup Lot #	1303285
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius
Visual ck - digestate F.V. consistency	YES-F.V.CKD

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 199719 Batch Start Date: 11/13/13 15:00 Batch Analyst: Mooney, Joseph C

Batch Method: 7471B Batch End Date: 11/13/13 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg Daily Spk 00943
MB 280-199719/1		7471B, 7471B		.58 g	50 mL	
LCS 280-199719/2		7471B, 7471B		.58 g	50 mL	2.5 mL
280-48651-A-1	AOI474NW0102AA	7471B, 7471B	T	.58 g	50 mL	
280-48651-A-2	AOI474SW0102AA	7471B, 7471B	T	.57 g	50 mL	
280-48651-A-3	AOI474WW0102AA	7471B, 7471B	T	.54 g	50 mL	
280-48651-A-4	AOI474EW0102AA	7471B, 7471B	T	.55 g	50 mL	
280-48651-A-5	AOI474BT0103AA	7471B, 7471B	T	.57 g	50 mL	
280-48651-A-5 MS	AOI474BT0103AA	7471B, 7471B	T	.56 g	50 mL	2.5 mL
280-48651-A-5 MSD	AOI474BT0103AA	7471B, 7471B	T	.54 g	50 mL	2.5 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 199719 Batch Start Date: 11/13/13 15:00 Batch Analyst: Mooney, Joseph C

Batch Method: 7471B Batch End Date: 11/13/13 15:30

Batch Notes

Hydroxylamine Hydrochloride Lot	2CF0261-11/12
Aqua Regia Lot Number	42514-11/13
Balance ID	24750837
Lot # of hydrochloric acid	40272-11/11
Lot # of Nitric Acid	42514-11/13
Hood ID or number	HOOD3
Hot Block ID number	12 E-6
Potassium Permanganate Lot Number	0000047557-11/13
NaCL Lot #	0000041327-9/25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
Pipette ID	MET58
Stannous Chloride Lot Number	0000055057-11/12
SOP Number	DVMT0023
ID number of the thermometer	HG-1
Digestion Tube/Cup Lot #	MH21KK06
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG No.:

Project: Griffiss AFB AOI 474

Client Sample ID	Lab Sample ID
AOI474NW0102AA	280-48651-1
AOI474SW0102AA	280-48651-2
AOI474WW0102AA	280-48651-3
AOI474EW0102AA	280-48651-4
AOI474BT0103AA	280-48651-5

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-48651-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (%)
Percent Moisture		0.1
Percent Solids		0.1

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/04/2013 13:32 End Date: 11/04/2013 13:32

Lab Sample ID	D/F	Type	Time	Analytes: % Solid	Analytes: Moist
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
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ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
280-48651-1	1	T	13:32	X	X
280-48651-2	1	T	13:32	X	X
280-48651-3	1	T	13:32	X	X
280-48651-4	1	T	13:32	X	X
280-48651-5	1	T	13:32	X	X
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
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ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/04/2013 13:32 End Date: 11/04/2013 13:32

Lab Sample ID	D / F	Type	Time	Analytes: % Sol	Analytes: Moist
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		
ZZZZZZ			13:32		

Prep Types

T = Total/NA

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: % m Analysis Date: 11/4/13 & 11/5/13

SOP #: WC-00066 Analyst: Beth Neeley Instrument: Balance

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
48597	soil	T	99192	% m	+
48565					
48691					
48651					
48566					

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	/			X
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	/			X
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?			/	X
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?			/	/
2. Was final residue weight within minimum/maximum requirements?	/			/
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	/			/
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?			/	/
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?		/		/
3. Were sample analyses done within holding time?	/		/	/
4. Were special client requirements met?	/			/
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?			/	/
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	/			/
7. STD/True Value information is updated and included?	/			/
8. Are raw data copies prepared, scanned, and uploaded?	/			/
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?			/	/
2. Method blank < ½ RL or NCM provided?			/	/
3. LCS/LCSD run for batch and within QC limits?			/	/
4. DUP run for batch and RPD < 20% for samples >5 X RL?	/			/

Analyst: Beth Neeley Date: 11/5/13

Comments: _____

2nd Level Reviewer: [signature] Date: 11/5/13

Comments: _____

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48651-1

SDG No.:

Batch Number: 199192 Batch Start Date: 11/04/13 13:32 Batch Analyst: Neeley, Beth A

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry
280-48651-A-1	AOI474NW0102AA	Moisture	T	25	1.31 g	17.01 g	14.23 g
280-48651-A-2	AOI474SW0102AA	Moisture	T	26	1.34 g	16.82 g	14.42 g
280-48651-A-3	AOI474WW0102AA	Moisture	T	27	1.32 g	17.76 g	15.15 g
280-48651-A-4	AOI474EW0102AA	Moisture	T	28	1.33 g	17.59 g	15.19 g
280-48651-A-5	AOI474BT0103AA	Moisture	T	29	1.33 g	16.08 g	12.68 g

Batch Notes

Balance ID	H31422 No Unit
Date samples were placed in the oven	11/4/13
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	1413
Date samples were removed from oven	11/5/13
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	715
Oven ID	Moisture
ID number of the thermometer	F
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

4.7 SK
IR4 10-31-13

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _298_ (Open/Closed) Cooler ID#: _A_

Ship to:
Elaine Walker
Test America Laboratories, Inc.
4955 Yarrow Street
Arvada, Colorado Tel: 303-736-0156
Carrier: Test America courier.

Project Name: Griffiss AFB AOI 474

Sampler Name: Josh Wenzel

Sampler Signature:

Send Results to:
Daniel Baldyga
FPM Remediations, Inc
584 Phoenix Drive
Rome, NY 13441
Phone: (315) 336-7721 Ext. 207

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Analyses requested: SVOCs, metals note 2,3 8 oz glass jar	Metals note 3 250 mL poly (HNO_3)	SVOCs note 2 1 L amber bottle	Comments
AOI474NW0102AA	North wall	10/30	1100	SO	G	N	0/0	1	1			
AOI474SW0102AA	South wall	10/30	1105	SO	G	N	0/0	1	1			
AOI474WW0102AA	West wall	10/30	1125	SO	G	N	0/0	1	1			
AOI474EW0102AA	East wall	10/30	1135	SO	G	N	0/0	1	1			
AOI474BT0103AA	Bottom of Excavation	10/30	1145	SO	G	N	0/0	1	1			
AOI474SW0102AA	Surface Water	10/30	1155	WG	G	N	0/0	2		1	1	
103013AE	FIELDQC	10/30	1415	WG	G	EB	0/0	2		1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 2: SVOCs: AFCEE QAPP 4.0 List.
Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/31/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1430	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 10/31/13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TAL	Time: 0900	Company Name:	Time:

11/24/2013

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-48651-1

Login Number: 48651

List Source: TestAmerica Denver

List Number: 1

Creator: O'Tormey, Stephanie R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	Refer to Job Narrative for details.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 280-48486-1

Job Description: Griffiss AFB Building 3

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
11/25/2013 10:37 AM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
11/25/2013

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Building 3
Report Number: 280-48486-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

One sample was received on 10/28/2013; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.1ºC.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AOI474BF (280-48486-1) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 10/29/2013.

1,2,3-Trichlorobenzene and Methylene Chloride were detected in method blank MB 280-198393/1-A at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged “J”. The method blank contained Methylene Chloride greater than one-half the reporting limit (RL). This is known as a common laboratory contaminant. If the associated sample reported a result above the MDL and/or RL, the result has been flagged “B”.

1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene failed the recovery criteria low for the matrix spike (MS) of sample AOI474BF (280-48486-1) in batch 280-198398. 2-Butanone (MEK) failed the recovery criteria high for the matrix spike duplicate (MSD). Several analytes exceeded the RPD limit. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The presence of the '4' qualifier in the data indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AOI474BF (280-48486-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The sample was prepared on 10/29/2013 and analyzed on 10/31/2013.

Dimethyl phthalate was detected in method blank MB 280-198371/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Benzo(b)fluoranthene and Benzo(k)fluoranthene were unresolved due to matrix interference for sample AOI474BF (280-48486-1). The results are reported as Benzo(b)fluoranthene, and the Benzo(b)fluoranthene & Benzo(k)fluoranthene results have been “K” flagged.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Sample AOI474BF (280-48486-1) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The sample was prepared on 10/29/2013 and analyzed on 11/02/2013.

TestAmerica Denver’s practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The continuing calibration verification (CCV) for Toxaphene associated with analytical batch 280-198855 recovered above the upper control limit. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been flagged “Q” and reported.

The following sample required a Florisil clean-up to reduce matrix interferences: AOI474BF (280-48486-1).

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample AOI474BF (280-48486-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The sample was prepared on 10/29/2013 and analyzed on 11/01/2013.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The following samples underwent a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: (LCS 280-198319/4-A), (MB 280-198319/1-A), and AOI474BF (280-48486-1).

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample AOI474BF (280-48486-1) was analyzed for Total Metals (ICP) in accordance with EPA SW-846 Method 6010C. The sample was prepared on 11/08/2013 and analyzed on 11/08/2013, 11/11/2013 and 11/14/2013.

Zinc was detected in method blank MB 280-199600/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The analysis of the ICSA solution, which is used as the interference check standard, shows results for Manganese, Strontium, and Vanadium at a level greater than the LOD for analytical batch 280-200251. We believe that the solution contains trace impurities of these elements and that the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. The associated sample results have been flagged "Q" for these elements.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY (CVAA)

Sample AOI474BF (280-48486-1) was analyzed for total mercury (CVAA) in accordance with EPA SW-846 Method 7471B. The sample was prepared and analyzed on 11/13/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Sample AOI474BF (280-48486-1) was analyzed for percent solids in accordance with EPA SW846 3550C. The sample was analyzed on 10/30/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD5 280-196035/11 IC Client Sample ID:

Date Analyzed: 10/15/13 15:40 Lab File ID: 10150011.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endosulfan sulfate	7.69	Incomplete Integration	wellsd	10/15/13 20:58

Lab Sample ID: STD6 280-196035/25 IC Client Sample ID:

Date Analyzed: 10/15/13 19:30 Lab File ID: 10150025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:04

Lab Sample ID: STD5 280-196035/26 IC Client Sample ID:

Date Analyzed: 10/15/13 19:46 Lab File ID: 10150026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:05

11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD4 280-196035/27 IC Client Sample ID:

Date Analyzed: 10/15/13 20:02 Lab File ID: 10150027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

JR 11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD2 280-196035/29 IC Client Sample ID:

Date Analyzed: 10/15/13 20:35 Lab File ID: 10150029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:07

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 22:19

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:19

8081B

11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 22:20

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:20

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/11 Client Sample ID:

Date Analyzed: 11/01/13 13:11 Lab File ID: 11010011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:20

Lab Sample ID: CCV 280-198855/40 Client Sample ID:

Date Analyzed: 11/01/13 21:27 Lab File ID: 11010040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: MB 280-198319/1-A Client Sample ID:

Date Analyzed: 11/01/13 21:43 Lab File ID: 11010041.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	4.42	Baseline Smoothing	wellsd	11/04/13 06:29
beta-BHC	4.82	Baseline Smoothing	wellsd	11/04/13 06:29

JR 11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: LCS 280-198319/3-A Client Sample ID:

Date Analyzed: 11/01/13 22:00 Lab File ID: 11010042.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: CCV 280-198855/53 Client Sample ID:

Date Analyzed: 11/02/13 01:00 Lab File ID: 11010053.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:32

Lab Sample ID: PEM 280-198855/54 Client Sample ID:

Date Analyzed: 11/02/13 01:17 Lab File ID: 11010054.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	6.90	Baseline Smoothing	wellsd	11/04/13 06:32
4,4'-DDD	7.02	Baseline Smoothing	wellsd	11/04/13 06:32
Endrin aldehyde	7.44	Baseline Smoothing	wellsd	11/04/13 06:32

8081B

11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/63 Client Sample ID:

Date Analyzed: 11/02/13 03:44 Lab File ID: 11010063.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:45

8081B

YR 11/8/13

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL62154 280-197868/9 IC Client Sample ID:

Date Analyzed: 10/25/13 18:02 Lab File ID: 10251309.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.16	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.37	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.66	Baseline Smoothing	jacksonto	10/26/13 10:23

Lab Sample ID: STDL42154 280-197868/11 I Client Sample ID:

Date Analyzed: 10/25/13 18:48 Lab File ID: 10251311.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:23

11/4/13

8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL41660 280-197868/18 I Client Sample ID:

Date Analyzed: 10/25/13 21:30 Lab File ID: 10251318.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:32

Lab Sample ID: STDL13262 280-197868/28 I Client Sample ID:

Date Analyzed: 10/26/13 01:22 Lab File ID: 10251328.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1262 Peak 1	8.70	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 2	9.87	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 3	10.30	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 4	10.86	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 5	11.42	Split Peak	jacksonto	10/29/13 10:53

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8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.05	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.76	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.63	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.18	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	8.38	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.07	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.74	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.89	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.32	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	7.39	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:42

11/1/13

8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	4.23	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 2	4.42	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 3	4.50	Instrument noise	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/38 Client Sample ID:

Date Analyzed: 10/26/13 05:14 Lab File ID: 10251338.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/39 Client Sample ID:

Date Analyzed: 10/26/13 05:37 Lab File ID: 10251339.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	4.26	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 2	4.53	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 3	5.76	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 4	5.97	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:43

11/4/13

8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 198824

Lab Sample ID: CCV 280-198824/38 Client Sample ID:

Date Analyzed: 11/01/13 22:28 Lab File ID: 11011338.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 2	5.75	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 3	5.96	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 4	6.06	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 5	6.62	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 1	8.68	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 2	9.65	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 3	10.29	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 4	10.84	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 5	11.34	Baseline Smoothing	jacksonto	11/02/13 08:47

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8082A

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD1 280-196983/11 IC Client Sample ID:

Date Analyzed: 10/21/13 17:32 Lab File ID: J8876.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:52
1,1,2-Trichloro-1,2,2-trifluoroethane	5.66	Assign Peak	dukesa	10/21/13 19:48
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:48

Lab Sample ID: STD2 280-196983/12 IC Client Sample ID:

Date Analyzed: 10/21/13 17:54 Lab File ID: J8877.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.70	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD5 280-196983/13 IC Client Sample ID:

Date Analyzed: 10/21/13 18:15 Lab File ID: J8878.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.68	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD10 280-196983/14 IC Client Sample ID:

Date Analyzed: 10/21/13 18:37 Lab File ID: J8879.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:39

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD20 280-196983/15 IC Client Sample ID:

Date Analyzed: 10/21/13 18:59 Lab File ID: J8880.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:38
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 20:37

Lab Sample ID: STD50 280-196983/16 IC Client Sample ID:

Date Analyzed: 10/21/13 19:20 Lab File ID: J8881.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:46

Lab Sample ID: ICV 280-196983/19 Client Sample ID:

Date Analyzed: 10/21/13 20:24 Lab File ID: J8884.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 23:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: ICIS 280-197081/25 Client Sample ID:

Date Analyzed: 10/22/13 07:51 Lab File ID: B2-2655.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 08:24

Lab Sample ID: STD010 280-197081/27 IC Client Sample ID:

Date Analyzed: 10/22/13 08:51 Lab File ID: B2-2657.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 09:24

Lab Sample ID: STD050 280-197081/29 IC Client Sample ID:

Date Analyzed: 10/22/13 09:52 Lab File ID: B2-2659.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 10:53

Lab Sample ID: STD120 280-197081/30 IC Client Sample ID:

Date Analyzed: 10/22/13 10:22 Lab File ID: B2-2660.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 10:58

Lab Sample ID: STD160 280-197081/31 IC Client Sample ID:

Date Analyzed: 10/22/13 10:53 Lab File ID: B2-2661.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 12:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: STD200 280-197081/32 IC Client Sample ID:

Date Analyzed: 10/22/13 11:23 Lab File ID: B2-2662.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.76	Shouldering	kiekeld	10/22/13 12:43

Lab Sample ID: ICV 280-197081/33 Client Sample ID:

Date Analyzed: 10/22/13 11:54 Lab File ID: B2-2663.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2'-oxybis[1-chloropropane]	4.86	Split Peak	kiekeld	10/22/13 12:45
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 12:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD080 280-197087/15 IC Client Sample ID:

Date Analyzed: 10/22/13 13:34 Lab File ID: B2-2667.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 14:19

Lab Sample ID: STD010 280-197087/16 IC Client Sample ID:

Date Analyzed: 10/22/13 14:03 Lab File ID: B2-2668.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:12
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:12

Lab Sample ID: STD020 280-197087/17 IC Client Sample ID:

Date Analyzed: 10/22/13 14:32 Lab File ID: B2-2669.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:14

Lab Sample ID: STD050 280-197087/18 IC Client Sample ID:

Date Analyzed: 10/22/13 15:01 Lab File ID: B2-2670.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD120 280-197087/19 IC Client Sample ID:

Date Analyzed: 10/22/13 15:30 Lab File ID: B2-2671.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:18
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 21:18

Lab Sample ID: STD160 280-197087/20 IC Client Sample ID:

Date Analyzed: 10/22/13 15:58 Lab File ID: B2-2672.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.73	Split Peak	kiekeld	10/22/13 21:20

Lab Sample ID: STD200 280-197087/21 IC Client Sample ID:

Date Analyzed: 10/22/13 16:27 Lab File ID: B2-2673.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 198682

Lab Sample ID: CCV 280-198682/3 Client Sample ID:

Date Analyzed: 10/31/13 11:26 Lab File ID: B2-2864.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.69	Shouldering	kiekeld	10/31/13 11:52

Lab Sample ID: LCS 280-198371/2-A Client Sample ID:

Date Analyzed: 10/31/13 14:10 Lab File ID: B2-2870.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	10/31/13 14:53

Lab Sample ID: 280-48486-1 MS Client Sample ID: AOI474BF MS

Date Analyzed: 10/31/13 19:06 Lab File ID: B2-2880.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:46

Lab Sample ID: 280-48486-1 MSD Client Sample ID: AOI474BF MSD

Date Analyzed: 10/31/13 19:35 Lab File ID: B2-2881.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:48

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD5 280-196035/11 IC Client Sample ID:

Date Analyzed: 10/15/13 15:40 Lab File ID: 10150011.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endosulfan sulfate	7.69	Incomplete Integration	wellsd	10/15/13 20:58

Lab Sample ID: STD6 280-196035/25 IC Client Sample ID:

Date Analyzed: 10/15/13 19:30 Lab File ID: 10150025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:04

Lab Sample ID: STD5 280-196035/26 IC Client Sample ID:

Date Analyzed: 10/15/13 19:46 Lab File ID: 10150026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:05

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD4 280-196035/27 IC Client Sample ID:

Date Analyzed: 10/15/13 20:02 Lab File ID: 10150027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD2 280-196035/29 IC Client Sample ID:

Date Analyzed: 10/15/13 20:35 Lab File ID: 10150029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:07

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 22:19

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:19

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 22:20

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:20

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/11 Client Sample ID:

Date Analyzed: 11/01/13 13:11 Lab File ID: 11010011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:20

Lab Sample ID: CCV 280-198855/40 Client Sample ID:

Date Analyzed: 11/01/13 21:27 Lab File ID: 11010040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: MB 280-198319/1-A Client Sample ID:

Date Analyzed: 11/01/13 21:43 Lab File ID: 11010041.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	4.42	Baseline Smoothing	wellsd	11/04/13 06:29
beta-BHC	4.82	Baseline Smoothing	wellsd	11/04/13 06:29

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: LCS 280-198319/3-A Client Sample ID:

Date Analyzed: 11/01/13 22:00 Lab File ID: 11010042.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: CCV 280-198855/53 Client Sample ID:

Date Analyzed: 11/02/13 01:00 Lab File ID: 11010053.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:32

Lab Sample ID: PEM 280-198855/54 Client Sample ID:

Date Analyzed: 11/02/13 01:17 Lab File ID: 11010054.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	6.90	Baseline Smoothing	wellsd	11/04/13 06:32
4,4'-DDD	7.02	Baseline Smoothing	wellsd	11/04/13 06:32
Endrin aldehyde	7.44	Baseline Smoothing	wellsd	11/04/13 06:32

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/63 Client Sample ID:

Date Analyzed: 11/02/13 03:44 Lab File ID: 11010063.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:45

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL62154 280-197868/9 IC Client Sample ID:

Date Analyzed: 10/25/13 18:02 Lab File ID: 10251309.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.16	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.37	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.66	Baseline Smoothing	jacksonto	10/26/13 10:23

Lab Sample ID: STDL42154 280-197868/11 I Client Sample ID:

Date Analyzed: 10/25/13 18:48 Lab File ID: 10251311.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:23

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL41660 280-197868/18 I Client Sample ID:

Date Analyzed: 10/25/13 21:30 Lab File ID: 10251318.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:32

Lab Sample ID: STDL13262 280-197868/28 I Client Sample ID:

Date Analyzed: 10/26/13 01:22 Lab File ID: 10251328.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1262 Peak 1	8.70	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 2	9.87	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 3	10.30	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 4	10.86	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 5	11.42	Split Peak	jacksonto	10/29/13 10:53

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.05	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.76	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.63	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.18	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	8.38	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.07	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.74	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.89	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.32	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	7.39	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:42

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	4.23	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 2	4.42	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 3	4.50	Instrument noise	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/38 Client Sample ID:

Date Analyzed: 10/26/13 05:14 Lab File ID: 10251338.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/39 Client Sample ID:

Date Analyzed: 10/26/13 05:37 Lab File ID: 10251339.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	4.26	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 2	4.53	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 3	5.76	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 4	5.97	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:43

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 198824

Lab Sample ID: CCV 280-198824/38 Client Sample ID:

Date Analyzed: 11/01/13 22:28 Lab File ID: 11011338.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 2	5.75	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 3	5.96	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 4	6.06	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 5	6.62	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 1	8.68	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 2	9.65	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 3	10.29	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 4	10.84	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 5	11.34	Baseline Smoothing	jacksonto	11/02/13 08:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD1 280-196983/11 IC Client Sample ID:

Date Analyzed: 10/21/13 17:32 Lab File ID: J8876.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:52
1,1,2-Trichloro-1,2,2-trifluoroethane	5.66	Assign Peak	dukesa	10/21/13 19:48
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:48

Lab Sample ID: STD2 280-196983/12 IC Client Sample ID:

Date Analyzed: 10/21/13 17:54 Lab File ID: J8877.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.70	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD5 280-196983/13 IC Client Sample ID:

Date Analyzed: 10/21/13 18:15 Lab File ID: J8878.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.68	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD10 280-196983/14 IC Client Sample ID:

Date Analyzed: 10/21/13 18:37 Lab File ID: J8879.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:39

GRS 11/4/13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD20 280-196983/15 IC Client Sample ID:

Date Analyzed: 10/21/13 18:59 Lab File ID: J8880.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:38
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 20:37

Lab Sample ID: STD50 280-196983/16 IC Client Sample ID:

Date Analyzed: 10/21/13 19:20 Lab File ID: J8881.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:46

Lab Sample ID: ICV 280-196983/19 Client Sample ID:

Date Analyzed: 10/21/13 20:24 Lab File ID: J8884.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 23:51

9/25
11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: ICIS 280-197081/25 Client Sample ID:

Date Analyzed: 10/22/13 07:51 Lab File ID: B2-2655.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 08:24

Lab Sample ID: STD010 280-197081/27 IC Client Sample ID:

Date Analyzed: 10/22/13 08:51 Lab File ID: B2-2657.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 09:24

Lab Sample ID: STD050 280-197081/29 IC Client Sample ID:

Date Analyzed: 10/22/13 09:52 Lab File ID: B2-2659.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 10:53

Lab Sample ID: STD120 280-197081/30 IC Client Sample ID:

Date Analyzed: 10/22/13 10:22 Lab File ID: B2-2660.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 10:58

Lab Sample ID: STD160 280-197081/31 IC Client Sample ID:

Date Analyzed: 10/22/13 10:53 Lab File ID: B2-2661.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 12:40

11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: STD200 280-197081/32 IC Client Sample ID:

Date Analyzed: 10/22/13 11:23 Lab File ID: B2-2662.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.76	Shouldering	kiekeld	10/22/13 12:43

Lab Sample ID: ICV 280-197081/33 Client Sample ID:

Date Analyzed: 10/22/13 11:54 Lab File ID: B2-2663.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2'-oxybis[1-chloropropane]	4.86	Split Peak	kiekeld	10/22/13 12:45
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 12:45

qm 11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD080 280-197087/15 IC Client Sample ID:

Date Analyzed: 10/22/13 13:34 Lab File ID: B2-2667.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 14:19

Lab Sample ID: STD010 280-197087/16 IC Client Sample ID:

Date Analyzed: 10/22/13 14:03 Lab File ID: B2-2668.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:12
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:12

Lab Sample ID: STD020 280-197087/17 IC Client Sample ID:

Date Analyzed: 10/22/13 14:32 Lab File ID: B2-2669.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:14

Lab Sample ID: STD050 280-197087/18 IC Client Sample ID:

Date Analyzed: 10/22/13 15:01 Lab File ID: B2-2670.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:16

qrs
11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD120 280-197087/19 IC Client Sample ID:

Date Analyzed: 10/22/13 15:30 Lab File ID: B2-2671.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:18
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 21:18

Lab Sample ID: STD160 280-197087/20 IC Client Sample ID:

Date Analyzed: 10/22/13 15:58 Lab File ID: B2-2672.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.73	Split Peak	kiekeld	10/22/13 21:20

Lab Sample ID: STD200 280-197087/21 IC Client Sample ID:

Date Analyzed: 10/22/13 16:27 Lab File ID: B2-2673.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:23

11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 198682

Lab Sample ID: CCV 280-198682/3 Client Sample ID:

Date Analyzed: 10/31/13 11:26 Lab File ID: B2-2864.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.69	Shouldering	kiekeld	10/31/13 11:52

Lab Sample ID: LCS 280-198371/2-A Client Sample ID:

Date Analyzed: 10/31/13 14:10 Lab File ID: B2-2870.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	10/31/13 14:53

Lab Sample ID: 280-48486-1 MS Client Sample ID: AOI474BF MS

Date Analyzed: 10/31/13 19:06 Lab File ID: B2-2880.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:46

Lab Sample ID: 280-48486-1 MSD Client Sample ID: AOI474BF MSD

Date Analyzed: 10/31/13 19:35 Lab File ID: B2-2881.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:48

qms 11/4/13

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-48486-1	AOI474BF	Solid	10/25/2013 1100	10/28/2013 0835

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48486-1	**AOI474BF**					
Methylene Chloride		4.7	J B	5.5	ug/Kg	8260B/DoD
Benzo[a]anthracene		23	J	360	ug/Kg	8270D/DoD
Benzo[a]pyrene		22	J	360	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		28	J K	360	ug/Kg	8270D/DoD
Dimethyl phthalate		100	J	360	ug/Kg	8270D/DoD
Fluoranthene		40	J	360	ug/Kg	8270D/DoD
Phenanthrene		20	J	360	ug/Kg	8270D/DoD
Pyrene		37	J	430	ug/Kg	8270D/DoD
4,4'-DDE		0.86	J	1.9	ug/Kg	8081B
Aluminum		5300		55	mg/Kg	6010C
Arsenic		3.9		2.8	mg/Kg	6010C
Barium		24		2.2	mg/Kg	6010C
Beryllium		0.26	J	0.55	mg/Kg	6010C
Boron		2.2	J	11	mg/Kg	6010C
Cadmium		0.11	J	0.55	mg/Kg	6010C
Calcium		12000		110	mg/Kg	6010C
Chromium		5.9		3.9	mg/Kg	6010C
Cobalt		4.0		1.1	mg/Kg	6010C
Copper		14		5.5	mg/Kg	6010C
Iron		11000		88	mg/Kg	6010C
Lead		5.2		0.99	mg/Kg	6010C
Magnesium		3200		33	mg/Kg	6010C
Manganese		420	Q	5.0	mg/Kg	6010C
Nickel		8.5		4.4	mg/Kg	6010C
Potassium		770		330	mg/Kg	6010C
Strontium		19	Q	1.7	mg/Kg	6010C
Vanadium		9.5	Q	2.2	mg/Kg	6010C
Zinc		29		8.8	mg/Kg	6010C
Mercury		13	J	20	ug/Kg	7471B
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48486-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270D/DoD	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081B	
Microwave Extraction	TAL DEN		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL DEN	SW846 8082A	
Microwave Extraction	TAL DEN		SW846 3546
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Metals	TAL DEN		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL DEN	SW846 7471B	
Preparation, Mercury	TAL DEN		SW846 7471B
Percent Moisture	TAL DEN	EPA Moisture	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dukes, Aaron D	ADD
SW846 8270D/DoD	Kiekel, Daniel C	DCK
SW846 8081B	Wells, David A	DAW
SW846 8082A	Jackson, Todd D	TDJ
SW846 6010C	Harre, John K	JKH
SW846 7471B	Mooney, Joseph C	JM
EPA Moisture	Neeley, Beth A	BAN

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-198393	Lab File ID:	J9017.D
Dilution:	1.0			Initial Weight/Volume:	5.033 g
Analysis Date:	10/29/2013 2317			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.1	U	0.62	5.5
1,1,1-Trichloroethane		1.1	U	0.57	5.5
1,1,2,2-Tetrachloroethane		1.1	U	0.67	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		22	U	0.50	22
1,1,2-Trichloroethane		1.1	U	0.97	5.5
1,1-Dichloroethane		0.88	U	0.23	5.5
1,1-Dichloroethene		1.1	U	0.65	5.5
1,1-Dichloropropene		1.1	U	0.60	5.5
1,2,3-Trichlorobenzene		1.1	U J	0.83	5.5
1,2,3-Trichloropropane		1.1	U	0.90	5.5
1,2,4-Trichlorobenzene		1.1	U J	0.81	5.5
1,2,4-Trimethylbenzene		1.1	U	0.64	5.5
1,2-Dibromo-3-Chloropropane		1.1	U	0.66	11
1,2-Dichlorobenzene		1.1	U	0.50	5.5
1,2-Dichloroethane		1.1	U	0.77	5.5
1,2-Dichloropropane		1.1	U	0.61	5.5
1,3,5-Trimethylbenzene		1.1	U	0.63	5.5
1,3-Dichlorobenzene		1.1	U	0.53	5.5
1,3-Dichloropropane		1.1	U	0.56	5.5
1,4-Dichlorobenzene		1.1	U	0.86	5.5
1,4-Dioxane		88	U	62	550
1-Chlorohexane		0.88	U	0.70	5.5
2,2-Dichloropropane		1.1	U	0.49	5.5
2-Butanone (MEK)		7.1	U J	2.0	22
2-Chlorotoluene		1.1	U	0.56	5.5
2-Hexanone		11	U J	5.4	22
4-Chlorotoluene		1.1	U	0.86	5.5
4-Isopropyltoluene		1.1	U	0.54	5.5
4-Methyl-2-pentanone (MIBK)		11	U J	4.8	22
Acetone		11	U J	5.9	22
Benzene		1.1	U	0.52	5.5
Bromobenzene		1.1	U	0.54	5.5
Bromoform		0.88	U	0.25	5.5
Bromomethane		1.1	U J	0.55	11
Carbon disulfide		1.1	U	0.46	5.5
Carbon tetrachloride		1.1	U	0.70	5.5
Chlorobenzene		1.1	U	0.60	5.5
Chlorobromomethane		1.1	U	0.33	5.5
Chlorodibromomethane		1.1	U	0.63	5.5
Chloroethane		1.1	U J	0.98	11
Chloroform		1.1	U	0.32	11
Chloromethane		1.1	U	0.85	11
cis-1,2-Dichloroethene		1.1	U	0.62	5.5
cis-1,3-Dichloropropene		2.2	U	1.4	5.5
Cyclohexane		1.8	U	0.44	5.5
Dibromomethane		1.1	U	0.93	5.5

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-198393	Lab File ID:	J9017.D
Dilution:	1.0			Initial Weight/Volume:	5.033 g
Analysis Date:	10/29/2013 2317			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Dichlorobromomethane		0.88	U	0.24	5.5
Dichlorodifluoromethane		1.1	U	0.57	11
Ethylbenzene		1.1	U	0.74	5.5
Ethylene Dibromide		1.1	U	0.57	5.5
Hexachlorobutadiene		1.1	U	0.61	5.5
Isopropylbenzene		1.1	U	0.65	5.5
Methyl acetate		4.4	U	3.0	9.4
Methyl tert-butyl ether		1.1	U	0.38	22
Methylcyclohexane		0.88	U	0.46	5.5
Methylene Chloride		4.7	J B	1.8	5.5
m-Xylene & p-Xylene		2.2	U	1.1	3.5
Naphthalene		1.1	U	0.70	5.5
n-Butylbenzene		1.1	U	0.62	5.5
N-Propylbenzene		1.1	U	0.64	5.5
o-Xylene		1.1	U	0.67	5.5
sec-Butylbenzene		1.1	U	0.85	5.5
Styrene		1.1	U	0.70	5.5
tert-Butylbenzene		1.1	U	0.55	5.5
Tetrachloroethene		1.1	U	0.65	5.5
Toluene		1.1	U	0.76	5.5
trans-1,2-Dichloroethene		1.1	U	0.43	5.5
trans-1,3-Dichloropropene		1.1	U	0.74	5.5
Trichloroethene		0.88	U	0.25	5.5
Trichlorofluoromethane		2.2	U	1.1	11
Vinyl chloride		2.2	U J	1.5	5.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		61 - 129
4-Bromofluorobenzene (Surr)	103		85 - 120
Dibromofluoromethane (Surr)	96		71 - 126
Toluene-d8 (Surr)	100		85 - 115

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-198371	Lab File ID:	B2-2879.D
Dilution:	1.0			Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1836			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		180	U	54	360
1,2,4,5-Tetrachlorobenzene		72	U	53	360
1,2,4-Trichlorobenzene		36	U	30	360
1,2-Dichlorobenzene		36	U	24	360
1,2-Diphenylhydrazine		36	U	24	360
1,3-Dichlorobenzene		36	U	13	360
1,4-Dichlorobenzene		36	U	15	360
2,2'-oxybis[1-chloropropane]		36	U	25	360
2,3,4,6-Tetrachlorophenol		180	U	150	1700
2,4,5-Trichlorophenol		140	U	11	360
2,4,6-Trichlorophenol		71	U	11	360
2,4-Dichlorophenol		71	U	11	360
2,4-Dimethylphenol		140	U	71	360
2,4-Dinitrophenol		720	U	360	1700
2,4-Dinitrotoluene		140	U	71	360
2,6-Dichlorophenol		140	U	74	360
2,6-Dinitrotoluene		71	U	30	360
2-Chloronaphthalene		36	U	11	360
2-Chlorophenol		36	U	23	360
2-Methylnaphthalene		36	U	20	360
2-Methylphenol		36	U	14	360
2-Nitroaniline		71	U	54	1700
2-Nitrophenol		71	U	11	360
3 & 4 Methylphenol		71	U	36	360
3,3'-Dichlorobenzidine		360	U	97	1700
3-Nitroaniline		140	U	79	1700
4,6-Dinitro-2-methylphenol		710	U	360	1700
4-Bromophenyl phenyl ether		36	U	20	360
4-Chloro-3-methylphenol		140	U	71	360
4-Chloroaniline		140	U	88	360
4-Chlorophenyl phenyl ether		71	U	23	360
4-Nitroaniline		140	U	78	1700
4-Nitrophenol		360	U	100	1700
Acenaphthene		18	U	11	360
Acenaphthylene		36	U	18	360
Acetophenone		36	U	22	360
Anthracene		36	U	18	360
Atrazine		140	U	40	360
Benzaldehyde		72	U	42	360
Benzidine		4300	U	1100	4300
Benzo[a]anthracene		23	J	22	360
Benzo[a]pyrene		22	J	22	360
Benzo[b]fluoranthene		28	J K	28	360
Benzo[g,h,i]perylene		36	U	17	360
Benzo[k]fluoranthene		71	U K	43	360
Benzoic acid		710	U	360	1700

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-198371	Lab File ID:	B2-2879.D
Dilution:	1.0			Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1836			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		36	U	11	360
Bis(2-chloroethoxy)methane		71	U	25	360
Bis(2-chloroethyl)ether		36	U	18	360
Bis(2-ethylhexyl) phthalate		71	U	50	360
Butyl benzyl phthalate		71	U	46	360
Caprolactam		360	U	110	1700
Carbazole		72	U	39	360
Chrysene		36	U	29	360
Dibenz(a,h)anthracene		36	U	20	360
Dibenzofuran		36	U	22	360
Diethyl phthalate		36	U	28	710
Dimethyl phthalate		100	J	25	360
Di-n-butyl phthalate		36	U	31	360
Di-n-octyl phthalate		71	U	16	360
Fluoranthene		40	J	39	360
Fluorene		36	U	19	360
Hexachlorobenzene		71	U	31	360
Hexachlorobutadiene		71	U	11	360
Hexachlorocyclopentadiene		71	U	54	1800
Hexachloroethane		36	U	23	360
Indeno[1,2,3-cd]pyrene		36	U	24	360
Isophorone		36	U	18	360
Naphthalene		71	U	33	360
Nitrobenzene		36	U	24	360
N-Nitrosodimethylamine		71	U	40	560
N-Nitrosodi-n-propylamine		71	U	33	360
N-Nitrosodiphenylamine		36	U	23	360
N-Nitrosopyrrolidine		140	U	69	360
Pentachlorophenol		720	U	360	1700
Phenanthrene		20	J	18	360
Phenol		36	U	19	360
Pyrene		37	J	13	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	68		35 - 125
2-Fluorobiphenyl	63		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	71		40 - 100
Terphenyl-d14 (Surr)	74		30 - 125

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-198319	Initial Weight/Volume:	30.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	11/02/2013 0328			Injection Volume:	1 uL
Prep Date:	10/29/2013 1850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.77	U	0.61	1.9
4,4'-DDE		0.86	J	0.26	1.9
4,4'-DDT		0.77	U	0.65	2.2
Aldrin		0.51	U	0.28	1.9
alpha-BHC		0.51	U	0.24	1.9
alpha-Chlordane		0.51	U	0.36	1.9
beta-BHC		0.77	U	0.74	1.9
delta-BHC		0.77	U	0.44	1.9
Dieldrin		0.51	U	0.23	1.9
Endosulfan I		0.51	U	0.20	1.9
Endosulfan II		0.51	U	0.32	1.9
Endosulfan sulfate		0.51	U	0.31	1.9
Endrin		0.51	U	0.34	1.9
Endrin aldehyde		0.51	U	0.19	1.9
Endrin ketone		0.77	U	0.54	1.9
gamma-BHC (Lindane)		0.77	U	0.51	1.9
gamma-Chlordane		0.77	U	0.30	1.9
Heptachlor		0.51	U	0.24	1.9
Heptachlor epoxide		0.77	U	0.47	1.9
Methoxychlor		0.77	U	0.50	3.7
Toxaphene		30	U Q	18	190

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		55 - 130
Tetrachloro-m-xylene	85		70 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 10/25/2013 1100
Date Received: 10/28/2013 0835

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-198319	Initial Weight/Volume:	30.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	11/02/2013 0328			Injection Volume:	1 uL
Prep Date:	10/29/2013 1850			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		55 - 130
Tetrachloro-m-xylene	97		70 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 10/25/2013 1100
Date Received: 10/28/2013 0835

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	280-198824	Instrument ID:	SGC_W
Prep Method:	3546	Prep Batch:	280-198319	Initial Weight/Volume:	30.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	11/01/2013 2142			Injection Volume:	1 uL
Prep Date:	10/29/2013 1850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		11	U	5.6	37
PCB-1221		22	U	17	37
PCB-1232		17	U	5.7	37
PCB-1242		11	U	10	37
PCB-1248		11	U	6.2	37
PCB-1254		11	U	6.1	37
PCB-1260		11	U	2.9	37

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		60 - 125
Tetrachloro-m-xylene	86		53 - 128

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/08/2013 2021			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Arsenic		3.9		0.73	2.8
Barium		24		0.084	2.2
Beryllium		0.26	J	0.036	0.55
Cadmium		0.11	J	0.045	0.55
Calcium		12000		16	110
Chromium		5.9		0.064	3.9
Cobalt		4.0		0.11	1.1
Copper		14		0.24	5.5
Iron		11000		4.2	88
Lead		5.2		0.30	0.99
Magnesium		3200		4.1	33
Manganese		420	Q	0.11	5.0
Molybdenum		0.55	U	0.29	2.8
Nickel		8.5		0.14	4.4
Potassium		770		45	330
Selenium		1.3	U	0.95	3.3
Silver		0.22	U	0.18	1.7
Sodium		110	U	65	550
Strontium		19	Q	0.040	1.7
Thallium		1.3	U	0.72	3.3
Vanadium		9.5	Q	0.10	2.2
Zinc		29		0.44	8.8

Analysis Method:	6010C	Analysis Batch:	280-200481	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/11/2013 1922			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5300		1.7	55
Boron		2.2	J	1.1	11

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/14/2013 1748			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Antimony		0.66	U	0.42	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Client: FPM Remediations Inc

Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 10/25/2013 1100
Date Received: 10/28/2013 0835

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	280-200988	Instrument ID:	MT_033
Prep Method:	7471B	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0			Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1854			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		13	J	6.4	20

General Chemistry

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 Date Sampled: 10/25/2013 1100
Client Matrix: Solid Date Received: 10/28/2013 0835

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-198522	Analysis Date: 10/30/2013 1400						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-198522	Analysis Date: 10/30/2013 1400						DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-48486-1	AOI474BF	96	93	100	103
MB 280-198393/1-A		91	87	93	93
LCS 280-198393/2-A		91	86	90	89
280-48486-1 MS	AOI474BF MS	91	85	94	90
280-48486-1 MSD	AOI474BF MSD	91	88	92	96

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-48486-1	AOI474BF	69	71	66	63	68	74
MB 280-198371/1-A		72	72	69	70	64	80
LCS 280-198371/2-A		76	75	71	73	85	82
280-48486-1 MS	AOI474BF MS	72	73	68	65	75	76
280-48486-1 MSD	AOI474BF MSD	72	73	69	67	78	78

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-48486-1	AOI474BF	85	97	86	89
MB 280-198319/1-A		88	98	96	99
LCS 280-198319/2-A		90	114	104	101
LCS 280-198319/3-A		99		109	

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
280-48486-1	AOI474BF	86	89
MB 280-198319/1-A		84	102
LCS 280-198319/4-A		86	104

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	53-128
DCB = DCB Decachlorobiphenyl	60-125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-198393/1-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1812	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	1.0	U	0.56	5.0
1,1,1-Trichloroethane	1.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	1.0	U	0.61	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	0.45	20
1,1,2-Trichloroethane	1.0	U	0.88	5.0
1,1-Dichloroethane	0.80	U	0.21	5.0
1,1-Dichloroethene	1.0	U	0.59	5.0
1,1-Dichloropropene	1.0	U	0.54	5.0
1,2,3-Trichlorobenzene	1.28	J	0.75	5.0
1,2,3-Trichloropropane	1.0	U	0.81	5.0
1,2,4-Trichlorobenzene	1.0	U	0.73	5.0
1,2,4-Trimethylbenzene	1.0	U	0.58	5.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.60	10
1,2-Dichlorobenzene	1.0	U	0.45	5.0
1,2-Dichloroethane	1.0	U	0.70	5.0
1,2-Dichloropropane	1.0	U	0.55	5.0
1,3,5-Trimethylbenzene	1.0	U	0.57	5.0
1,3-Dichlorobenzene	1.0	U	0.48	5.0
1,3-Dichloropropane	1.0	U	0.51	5.0
1,4-Dichlorobenzene	1.0	U	0.78	5.0
1,4-Dioxane	80	U	56	500
1-Chlorohexane	0.80	U	0.63	5.0
2,2-Dichloropropane	1.0	U	0.44	5.0
2-Butanone (MEK)	6.4	U	1.8	20
2-Chlorotoluene	1.0	U	0.51	5.0
2-Hexanone	10	U	4.9	20
4-Chlorotoluene	1.0	U	0.78	5.0
4-Isopropyltoluene	1.0	U	0.49	5.0
4-Methyl-2-pentanone (MIBK)	10	U	4.4	20
Acetone	10	U	5.4	20
Benzene	1.0	U	0.47	5.0
Bromobenzene	1.0	U	0.49	5.0
Bromoform	0.80	U	0.23	5.0
Bromomethane	1.0	U	0.50	10
Carbon disulfide	1.0	U	0.42	5.0
Carbon tetrachloride	1.0	U	0.63	5.0
Chlorobenzene	1.0	U	0.54	5.0
Chlorobromomethane	1.0	U	0.30	5.0
Chlorodibromomethane	1.0	U	0.57	5.0
Chloroethane	1.0	U	0.89	10
Chloroform	1.0	U	0.29	10
Chloromethane	1.0	U	0.77	10
cis-1,2-Dichloroethene	1.0	U	0.56	5.0
cis-1,3-Dichloropropene	2.0	U	1.3	5.0
Cyclohexane	1.6	U	0.40	5.0

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-198393/1-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1812	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dibromomethane	1.0	U	0.84	5.0
Dichlorobromomethane	0.80	U	0.22	5.0
Dichlorodifluoromethane	1.0	U	0.52	10
Ethylbenzene	1.0	U	0.67	5.0
Ethylene Dibromide	1.0	U	0.52	5.0
Hexachlorobutadiene	1.0	U	0.55	5.0
Isopropylbenzene	1.0	U	0.59	5.0
Methyl acetate	4.0	U	2.8	8.5
Methyl tert-butyl ether	1.0	U	0.34	20
Methylcyclohexane	0.80	U	0.42	5.0
Methylene Chloride	3.92	J	1.6	5.0
m-Xylene & p-Xylene	2.0	U	1.0	3.2
Naphthalene	1.0	U	0.63	5.0
n-Butylbenzene	1.0	U	0.56	5.0
N-Propylbenzene	1.0	U	0.58	5.0
o-Xylene	1.0	U	0.61	5.0
sec-Butylbenzene	1.0	U	0.77	5.0
Styrene	1.0	U	0.63	5.0
tert-Butylbenzene	1.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.59	5.0
Toluene	1.0	U	0.69	5.0
trans-1,2-Dichloroethene	1.0	U	0.39	5.0
trans-1,3-Dichloropropene	1.0	U	0.67	5.0
Trichloroethene	0.80	U	0.23	5.0
Trichlorofluoromethane	2.0	U	1.0	10
Vinyl chloride	2.0	U	1.3	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	61 - 129
4-Bromofluorobenzene (Surr)	93	85 - 120
Dibromofluoromethane (Surr)	91	71 - 126
Toluene-d8 (Surr)	93	85 - 115

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-198393/2-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1751	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	50.0	47.1	94	75 - 125	
1,1,1-Trichloroethane	50.0	47.5	95	70 - 135	
1,1,2,2-Tetrachloroethane	50.0	45.9	92	55 - 130	
1,1,2-Trichloroethane	50.0	46.7	93	60 - 125	
1,1-Dichloroethane	50.0	46.5	93	75 - 125	
1,1-Dichloroethene	50.0	43.2	86	65 - 135	
1,1-Dichloropropene	50.0	51.0	102	70 - 135	
1,2,3-Trichlorobenzene	50.0	49.8	100	60 - 135	
1,2,3-Trichloropropane	50.0	45.6	91	65 - 130	
1,2,4-Trichlorobenzene	50.0	51.6	103	65 - 130	
1,2,4-Trimethylbenzene	50.0	50.5	101	65 - 135	
1,2-Dibromo-3-Chloropropane	50.0	43.8	88	40 - 135	
1,2-Dichlorobenzene	50.0	47.7	95	75 - 120	
1,2-Dichloroethane	50.0	43.6	87	70 - 135	
1,2-Dichloropropane	50.0	47.2	94	70 - 120	
1,3,5-Trimethylbenzene	50.0	51.7	103	65 - 135	
1,3-Dichlorobenzene	50.0	48.1	96	70 - 125	
1,3-Dichloropropane	50.0	42.2	84	75 - 125	
1,4-Dichlorobenzene	50.0	48.7	97	70 - 125	
2,2-Dichloropropane	50.0	47.5	95	65 - 135	
2-Butanone (MEK)	200	156	78	30 - 160	
2-Chlorotoluene	50.0	47.8	96	70 - 130	
2-Hexanone	200	147	74	45 - 145	
4-Chlorotoluene	50.0	48.7	97	75 - 125	
4-Isopropyltoluene	50.0	51.5	103	75 - 135	
4-Methyl-2-pentanone (MIBK)	200	145	73	45 - 145	
Acetone	200	149	75	20 - 160	
Benzene	50.0	47.9	96	75 - 125	
Bromobenzene	50.0	48.2	96	65 - 120	
Bromoform	50.0	45.5	91	55 - 135	
Bromomethane	50.0	33.5	67	30 - 160	
Carbon disulfide	50.0	48.9	98	45 - 160	
Carbon tetrachloride	50.0	47.0	94	65 - 135	
Chlorobenzene	50.0	46.3	93	75 - 125	
Chlorobromomethane	50.0	47.1	94	70 - 125	
Chlorodibromomethane	50.0	46.7	93	65 - 130	
Chloroethane	50.0	33.7	67	40 - 155	
Chloroform	50.0	45.6	91	70 - 125	
Chloromethane	50.0	34.7	69	50 - 130	
cis-1,2-Dichloroethene	50.0	48.2	96	65 - 125	
cis-1,3-Dichloropropene	50.0	45.8	92	70 - 125	
Dibromomethane	50.0	46.3	93	75 - 130	
Dichlorobromomethane	50.0	45.6	91	70 - 130	
Dichlorodifluoromethane	50.0	36.6	73	35 - 135	
Ethylbenzene	50.0	48.0	96	75 - 125	
Ethylene Dibromide	50.0	41.8	84	70 - 125	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-198393/2-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1751	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	50.0	53.7	107	55 - 140	
Isopropylbenzene	50.0	49.1	98	75 - 130	
Methyl tert-butyl ether	50.0	46.1	92	67 - 119	
Methylene Chloride	50.0	47.2	94	55 - 140	
m-Xylene & p-Xylene	50.0	49.4	99	80 - 125	
Naphthalene	50.0	43.0	86	40 - 125	
n-Butylbenzene	50.0	52.4	105	65 - 140	
N-Propylbenzene	50.0	49.6	99	65 - 135	
o-Xylene	50.0	49.4	99	75 - 125	
sec-Butylbenzene	50.0	50.8	102	65 - 130	
Styrene	50.0	53.6	107	75 - 125	
tert-Butylbenzene	50.0	49.9	100	65 - 130	
Tetrachloroethene	50.0	46.7	93	65 - 140	
Toluene	50.0	51.0	102	70 - 125	
trans-1,2-Dichloroethene	50.0	48.5	97	65 - 135	
trans-1,3-Dichloropropene	50.0	47.4	95	65 - 125	
Trichloroethene	50.0	46.9	94	75 - 125	
Trichlorofluoromethane	50.0	38.2	76	25 - 185	
Vinyl chloride	50.0	34.2	68	60 - 125	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	61 - 129
4-Bromofluorobenzene (Surr)	89	85 - 120
Dibromofluoromethane (Surr)	91	71 - 126
Toluene-d8 (Surr)	90	85 - 115

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.591 g
Analysis Date:	10/29/2013 2339			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.357 g
Analysis Date:	10/30/2013 0000			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	94	99	75 - 125	10	30		
1,1,1-Trichloroethane	96	104	70 - 135	14	30		
1,1,2,2-Tetrachloroethane	86	102	55 - 130	23	30		
1,1,2-Trichloroethane	89	95	60 - 125	12	30		
1,1-Dichloroethane	95	102	75 - 125	12	30		
1,1-Dichloroethene	90	98	65 - 135	14	30		
1,1-Dichloropropene	100	108	70 - 135	13	30		
1,2,3-Trichlorobenzene	59	60	60 - 135	7	30	J	
1,2,3-Trichloropropane	87	104	65 - 130	23	30		
1,2,4-Trichlorobenzene	61	65	65 - 130	11	30	J	
1,2,4-Trimethylbenzene	92	111	65 - 135	23	30		
1,2-Dibromo-3-Chloropropane	76	90	40 - 135	22	30		
1,2-Dichlorobenzene	79	92	75 - 120	20	30		
1,2-Dichloroethane	86	92	70 - 135	12	30		
1,2-Dichloropropane	94	100	70 - 120	12	30		
1,3,5-Trimethylbenzene	95	112	65 - 135	22	30		
1,3-Dichlorobenzene	83	95	70 - 125	19	30		
1,3-Dichloropropane	83	90	75 - 125	14	30		
1,4-Dichlorobenzene	81	94	70 - 125	20	30		
2,2-Dichloropropane	94	100	65 - 135	12	30		
2-Butanone (MEK)	152	244	30 - 160	51	30		J
2-Chlorotoluene	90	108	70 - 130	23	30		
2-Hexanone	66	87	45 - 145	33	30		J
4-Chlorotoluene	87	104	75 - 125	23	30		
4-Isopropyltoluene	87	106	75 - 135	24	30		
4-Methyl-2-pentanone (MIBK)	64	83	45 - 145	31	30		J
Acetone	66	91	20 - 160	37	30		J
Benzene	94	101	75 - 125	13	30		
Bromobenzene	87	105	65 - 120	24	30		
Bromoform	86	91	55 - 135	11	30		
Bromomethane	62	81	30 - 160	31	30		J
Carbon disulfide	95	102	45 - 160	12	30		
Carbon tetrachloride	96	102	65 - 135	11	30		

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.591 g
Analysis Date:	10/29/2013 2339			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.357 g
Analysis Date:	10/30/2013 0000			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	89	95	75 - 125	13	30		
Chlorobromomethane	89	97	70 - 125	14	30		
Chlorodibromomethane	91	97	65 - 130	12	30		
Chloroethane	64	83	40 - 155	32	30		J
Chloroform	91	98	70 - 125	13	30		
Chloromethane	66	84	50 - 130	29	30		
cis-1,2-Dichloroethene	95	103	65 - 125	13	30		
cis-1,3-Dichloropropene	89	95	70 - 125	12	30		
Dibromomethane	86	95	75 - 130	15	30		
Dichlorobromomethane	87	94	70 - 130	12	30		
Dichlorodifluoromethane	71	89	35 - 135	28	30		
Ethylbenzene	95	102	75 - 125	12	30		
Ethylene Dibromide	81	88	70 - 125	14	30		
Hexachlorobutadiene	59	67	55 - 140	19	30		
Isopropylbenzene	93	112	75 - 130	23	30		
Methyl tert-butyl ether	87	97	67 - 119	17	30		
Methylene Chloride	85	95	55 - 140	14	30		
m-Xylene & p-Xylene	96	102	80 - 125	11	30		
Naphthalene	56	62	40 - 125	16	30		
n-Butylbenzene	82	95	65 - 140	20	30		
N-Propylbenzene	91	110	65 - 135	24	30		
o-Xylene	95	103	75 - 125	14	30		
sec-Butylbenzene	88	106	65 - 130	24	30		
Styrene	100	106	75 - 125	12	30		
tert-Butylbenzene	91	109	65 - 130	23	30		
Tetrachloroethene	93	98	65 - 140	11	30		
Toluene	98	105	70 - 125	12	30		
trans-1,2-Dichloroethene	95	104	65 - 135	14	30		
trans-1,3-Dichloropropene	85	90	65 - 125	11	30		
Trichloroethene	91	97	75 - 125	12	30		
Trichlorofluoromethane	75	95	25 - 185	28	30		
Vinyl chloride	65	86	60 - 125	33	30		J

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	88	61 - 129
4-Bromofluorobenzene (Surr)	90	96	85 - 120
Dibromofluoromethane (Surr)	91	91	71 - 126
Toluene-d8 (Surr)	94	92	85 - 115

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Units:	ug/Kg	MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/29/2013 2339			Analysis Date:	10/30/2013 0000
Prep Date:	10/29/2013 1500			Prep Date:	10/29/2013 1500
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	1.1	U	60.6	63.8	57.3		63.1	
1,1,1-Trichloroethane	1.1	U	60.6	63.8	57.9		66.5	
1,1,2,2-Tetrachloroethane	1.1	U	60.6	63.8	51.9		65.1	
1,1,2-Trichloroethane	1.1	U	60.6	63.8	53.9		60.9	
1,1-Dichloroethane	0.88	U	60.6	63.8	57.5		64.8	
1,1-Dichloroethene	1.1	U	60.6	63.8	54.4		62.6	
1,1-Dichloropropene	1.1	U	60.6	63.8	60.8		69.2	
1,2,3-Trichlorobenzene	1.1	U	60.6	63.8	35.9	J	38.6	
1,2,3-Trichloropropane	1.1	U	60.6	63.8	52.9		66.4	
1,2,4-Trichlorobenzene	1.1	U	60.6	63.8	37.1	J	41.3	
1,2,4-Trimethylbenzene	1.1	U	60.6	63.8	55.9		70.6	
1,2-Dibromo-3-Chloropropane	1.1	U	60.6	63.8	46.2		57.5	
1,2-Dichlorobenzene	1.1	U	60.6	63.8	47.8		58.5	
1,2-Dichloroethane	1.1	U	60.6	63.8	52.0		58.6	
1,2-Dichloropropane	1.1	U	60.6	63.8	56.8		64.0	
1,3,5-Trimethylbenzene	1.1	U	60.6	63.8	57.4		71.4	
1,3-Dichlorobenzene	1.1	U	60.6	63.8	50.1		60.7	
1,3-Dichloropropane	1.1	U	60.6	63.8	50.3		57.6	
1,4-Dichlorobenzene	1.1	U	60.6	63.8	49.2		60.3	
2,2-Dichloropropane	1.1	U	60.6	63.8	56.9		63.8	
2-Butanone (MEK)	7.1	U	242	255	368		623	J
2-Chlorotoluene	1.1	U	60.6	63.8	54.5		68.8	
2-Hexanone	11	U	242	255	161		223	J
4-Chlorotoluene	1.1	U	60.6	63.8	52.7		66.5	
4-Isopropyltoluene	1.1	U	60.6	63.8	52.8		67.4	
4-Methyl-2-pentanone (MIBK)	11	U	242	255	154		212	J
Acetone	11	U	242	255	160		231	J
Benzene	1.1	U	60.6	63.8	57.2		64.8	
Bromobenzene	1.1	U	60.6	63.8	52.9		67.2	
Bromoform	0.88	U	60.6	63.8	52.1		58.1	
Bromomethane	1.1	U	60.6	63.8	37.9		51.5	J
Carbon disulfide	1.1	U	60.6	63.8	57.8		65.3	
Carbon tetrachloride	1.1	U	60.6	63.8	58.1		65.1	
Chlorobenzene	1.1	U	60.6	63.8	53.7		61.0	
Chlorobromomethane	1.1	U	60.6	63.8	54.1		62.1	
Chlorodibromomethane	1.1	U	60.6	63.8	55.1		62.1	
Chloroethane	1.1	U	60.6	63.8	38.5		53.3	J
Chloroform	1.1	U	60.6	63.8	55.0		62.6	
Chloromethane	1.1	U	60.6	63.8	39.9		53.7	
cis-1,2-Dichloroethene	1.1	U	60.6	63.8	57.7		65.5	
cis-1,3-Dichloropropene	2.2	U	60.6	63.8	53.7		60.8	
Dibromomethane	1.1	U	60.6	63.8	52.4		60.6	
Dichlorobromomethane	0.88	U	60.6	63.8	52.9		59.9	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Units:	ug/Kg	MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/29/2013 2339			Analysis Date:	10/30/2013 0000
Prep Date:	10/29/2013 1500			Prep Date:	10/29/2013 1500
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Dichlorodifluoromethane	1.1	U	60.6	63.8	43.1	56.9	
Ethylbenzene	1.1	U	60.6	63.8	57.7	65.4	
Ethylene Dibromide	1.1	U	60.6	63.8	48.9	56.4	
Hexachlorobutadiene	1.1	U	60.6	63.8	35.6	43.0	
Isopropylbenzene	1.1	U	60.6	63.8	56.3	71.2	
Methyl tert-butyl ether	1.1	U	60.6	63.8	52.4	62.2	
Methylene Chloride	4.7	J	60.6	63.8	56.5	65.2	
m-Xylene & p-Xylene	2.2	U	60.6	63.8	58.4	65.4	
Naphthalene	1.1	U	60.6	63.8	33.7	39.4	
n-Butylbenzene	1.1	U	60.6	63.8	49.7	60.7	
N-Propylbenzene	1.1	U	60.6	63.8	55.4	70.2	
o-Xylene	1.1	U	60.6	63.8	57.5	66.0	
sec-Butylbenzene	1.1	U	60.6	63.8	53.0	67.7	
Styrene	1.1	U	60.6	63.8	60.5	68.0	
tert-Butylbenzene	1.1	U	60.6	63.8	55.3	69.9	
Tetrachloroethene	1.1	U	60.6	63.8	56.2	62.5	
Toluene	1.1	U	60.6	63.8	59.2	67.0	
trans-1,2-Dichloroethene	1.1	U	60.6	63.8	57.6	66.1	
trans-1,3-Dichloropropene	1.1	U	60.6	63.8	51.4	57.4	
Trichloroethene	0.88	U	60.6	63.8	55.1	62.2	
Trichlorofluoromethane	2.2	U	60.6	63.8	45.5	60.4	
Vinyl chloride	2.2	U	60.6	63.8	39.2	54.6	J

Method Blank - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-198371/1-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.8 g
Analysis Date:	10/31/2013 1315	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1'-Biphenyl	150	U	46	300
1,2,4,5-Tetrachlorobenzene	61	U	45	300
1,2,4-Trichlorobenzene	30	U	26	300
1,2-Dichlorobenzene	30	U	20	300
1,2-Diphenylhydrazine	30	U	20	300
1,3-Dichlorobenzene	30	U	11	300
1,4-Dichlorobenzene	30	U	12	300
2,2'-oxybis[1-chloropropane]	30	U	21	300
2,3,4,6-Tetrachlorophenol	150	U	130	1500
2,4,5-Trichlorophenol	120	U	9.1	300
2,4,6-Trichlorophenol	60	U	9.1	300
2,4-Dichlorophenol	60	U	9.1	300
2,4-Dimethylphenol	120	U	60	300
2,4-Dinitrophenol	610	U	300	1500
2,4-Dinitrotoluene	120	U	60	300
2,6-Dichlorophenol	120	U	63	300
2,6-Dinitrotoluene	60	U	26	300
2-Chloronaphthalene	30	U	9.1	300
2-Chlorophenol	30	U	19	300
2-Methylnaphthalene	30	U	17	300
2-Methylphenol	30	U	12	300
2-Nitroaniline	60	U	46	1500
2-Nitrophenol	60	U	9.1	300
3 & 4 Methylphenol	60	U	30	300
3,3'-Dichlorobenzidine	300	U	82	1500
3-Nitroaniline	120	U	67	1500
4,6-Dinitro-2-methylphenol	600	U	300	1500
4-Bromophenyl phenyl ether	30	U	17	300
4-Chloro-3-methylphenol	120	U	60	300
4-Chloroaniline	120	U	75	300
4-Chlorophenyl phenyl ether	60	U	19	300
4-Nitroaniline	120	U	66	1500
4-Nitrophenol	300	U	89	1500
Acenaphthene	16	U	9.4	300
Acenaphthylene	30	U	16	300
Acetophenone	30	U	18	300
Anthracene	30	U	16	300
Atrazine	120	U	34	300
Benzaldehyde	61	U	36	300
Benzidine	3600	U	910	3700
Benzo[a]anthracene	30	U	18	300
Benzo[a]pyrene	30	U	18	300
Benzo[b]fluoranthene	30	U	24	300
Benzo[g,h,i]perylene	30	U	15	300
Benzo[k]fluoranthene	60	U	37	300

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-198371/1-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.8 g
Analysis Date:	10/31/2013 1315	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Benzoic acid	600	U	300	1500
Benzyl alcohol	30	U	9.1	300
Bis(2-chloroethoxy)methane	60	U	21	300
Bis(2-chloroethyl)ether	30	U	15	300
Bis(2-ethylhexyl) phthalate	60	U	42	300
Butyl benzyl phthalate	60	U	39	300
Caprolactam	300	U	97	1500
Carbazole	61	U	33	300
Chrysene	30	U	25	300
Dibenz(a,h)anthracene	30	U	17	300
Dibenzofuran	30	U	18	300
Diethyl phthalate	30	U	24	600
Dimethyl phthalate	31.7	J	21	300
Di-n-butyl phthalate	30	U	27	300
Di-n-octyl phthalate	60	U	13	300
Fluoranthene	60	U	33	300
Fluorene	30	U	16	300
Hexachlorobenzene	60	U	27	300
Hexachlorobutadiene	60	U	9.1	300
Hexachlorocyclopentadiene	60	U	46	1600
Hexachloroethane	30	U	19	300
Indeno[1,2,3-cd]pyrene	30	U	20	300
Isophorone	30	U	16	300
Naphthalene	60	U	28	300
Nitrobenzene	30	U	20	300
N-Nitrosodimethylamine	60	U	34	480
N-Nitrosodi-n-propylamine	60	U	28	300
N-Nitrosodiphenylamine	30	U	19	300
N-Nitrosopyrrolidine	120	U	59	300
Pentachlorophenol	610	U	300	1500
Phenanthrene	30	U	16	300
Phenol	30	U	16	300
Pyrene	30	U	11	370

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64	35 - 125
2-Fluorobiphenyl	70	45 - 105
2-Fluorophenol (Surr)	72	35 - 105
Nitrobenzene-d5 (Surr)	69	35 - 100
Phenol-d5 (Surr)	72	40 - 100
Terphenyl-d14 (Surr)	80	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-198371/2-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.0 g
Analysis Date:	10/31/2013 1410	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	2500	1730	69	45 - 110	
1,2-Dichlorobenzene	2500	1720	69	45 - 95	
1,2-Diphenylhydrazine	2530	1940	77	54 - 120	
1,3-Dichlorobenzene	2500	1660	67	40 - 100	
1,4-Dichlorobenzene	2500	1670	67	35 - 105	
2,2'-oxybis[1-chloropropane]	2500	1660	66	20 - 115	
2,4,5-Trichlorophenol	2500	1980	79	50 - 110	
2,4,6-Trichlorophenol	2500	1920	77	45 - 110	
2,4-Dichlorophenol	2500	1870	75	45 - 110	
2,4-Dimethylphenol	2500	1730	69	30 - 105	
2,4-Dinitrophenol	5000	3400	68	15 - 130	
2,4-Dinitrotoluene	2500	2090	83	50 - 115	
2,6-Dinitrotoluene	2500	1980	79	50 - 110	
2-Chloronaphthalene	2500	1780	71	45 - 105	
2-Chlorophenol	2500	1820	73	45 - 105	
2-Methylnaphthalene	2500	1820	73	45 - 105	
2-Methylphenol	2500	1870	75	40 - 105	
2-Nitroaniline	2500	1870	75	45 - 120	
2-Nitrophenol	2500	1820	73	40 - 110	
3 & 4 Methylphenol	2500	1880	75	40 - 105	
3,3'-Dichlorobenzidine	2500	1240	50	10 - 130	J
3-Nitroaniline	2500	1630	65	25 - 110	
4,6-Dinitro-2-methylphenol	5000	3700	74	30 - 135	
4-Bromophenyl phenyl ether	2500	1890	75	45 - 115	
4-Chloro-3-methylphenol	2500	1980	79	45 - 115	
4-Chloroaniline	2500	1130	45	10 - 95	
4-Chlorophenyl phenyl ether	2500	1920	77	45 - 110	
4-Nitroaniline	2500	1920	77	35 - 115	
4-Nitrophenol	5000	4320	86	15 - 140	
Acenaphthene	2500	1840	73	45 - 110	
Acenaphthylene	2500	1780	71	45 - 105	
Anthracene	2500	1880	75	55 - 105	
Benzo[a]anthracene	2500	1920	77	50 - 110	
Benzo[a]pyrene	2500	1940	77	50 - 110	
Benzo[b]fluoranthene	2500	1980	79	45 - 115	
Benzo[g,h,i]perylene	2500	1970	79	40 - 125	
Benzo[k]fluoranthene	2500	2140	86	45 - 125	
Benzoic acid	2500	1960	78	10 - 110	
Benzyl alcohol	2500	1820	73	20 - 125	
Bis(2-chloroethoxy)methane	2500	1730	69	45 - 110	
Bis(2-chloroethyl)ether	2500	1750	70	40 - 105	
Bis(2-ethylhexyl) phthalate	2500	1880	75	45 - 125	
Butyl benzyl phthalate	2500	1910	76	50 - 125	
Carbazole	2500	1950	78	45 - 115	
Chrysene	2500	1930	77	55 - 110	
Dibenz(a,h)anthracene	2500	1960	78	40 - 125	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-198371/2-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.0 g
Analysis Date:	10/31/2013 1410	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibenzofuran	2500	1880	75	50 - 105	
Diethyl phthalate	2500	2010	81	50 - 115	
Dimethyl phthalate	2500	1990	80	50 - 110	
Di-n-butyl phthalate	2500	1970	79	55 - 110	
Di-n-octyl phthalate	2500	1660	66	40 - 130	
Fluoranthene	2500	1960	78	55 - 115	
Fluorene	2500	1910	76	50 - 110	
Hexachlorobenzene	2500	1920	77	45 - 120	
Hexachlorobutadiene	2500	1740	69	40 - 115	
Hexachlorocyclopentadiene	2500	1530	61	35 - 123	J
Hexachloroethane	2500	1660	67	35 - 110	
Indeno[1,2,3-cd]pyrene	2500	1740	70	40 - 120	M
Isophorone	2500	1650	66	45 - 110	
Naphthalene	2500	1790	72	40 - 105	
Nitrobenzene	2500	1760	70	40 - 115	
N-Nitrosodimethylamine	2500	1560	63	20 - 115	
N-Nitrosodi-n-propylamine	2500	1790	71	40 - 115	
N-Nitrosodiphenylamine	2500	1960	79	50 - 115	
Pentachlorophenol	5000	3530	71	25 - 120	
Phenanthrene	2500	1950	78	50 - 110	
Phenol	2500	1940	77	40 - 100	
Pyrene	2500	1980	79	45 - 125	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85	35 - 125
2-Fluorobiphenyl	73	45 - 105
2-Fluorophenol (Surr)	76	35 - 105
Nitrobenzene-d5 (Surr)	71	35 - 100
Phenol-d5 (Surr)	75	40 - 100
Terphenyl-d14 (Surr)	82	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1906			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	10/31/2013 1935			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	63	64	45 - 110	4	30		
1,2-Dichlorobenzene	65	64	45 - 95	1	30		
1,2-Diphenylhydrazine	73	74	54 - 120	4	30		
1,3-Dichlorobenzene	63	63	40 - 100	2	30		
1,4-Dichlorobenzene	62	62	35 - 105	2	30		
2,2'-oxybis[1-chloropropane]	71	71	20 - 115	2	30		
2,4,5-Trichlorophenol	73	74	50 - 110	4	30		
2,4,6-Trichlorophenol	72	73	45 - 110	3	30		
2,4-Dichlorophenol	69	70	45 - 110	4	30		
2,4-Dimethylphenol	67	68	30 - 105	3	30		
2,4-Dinitrophenol	49	55	15 - 130	15	30		
2,4-Dinitrotoluene	74	76	50 - 115	5	30		
2,6-Dinitrotoluene	71	72	50 - 110	4	30		
2-Chloronaphthalene	65	66	45 - 105	4	30		
2-Chlorophenol	68	69	45 - 105	4	30		
2-Methylnaphthalene	68	67	45 - 105	2	30		
2-Methylphenol	70	71	40 - 105	3	30		
2-Nitroaniline	74	77	45 - 120	6	30		
2-Nitrophenol	66	69	40 - 110	6	30		
3 & 4 Methylphenol	73	71	40 - 105	0	30		
3,3'-Dichlorobenzidine	58	62	10 - 130	8	30	J	
3-Nitroaniline	65	67	25 - 110	5	30		
4,6-Dinitro-2-methylphenol	59	64	30 - 135	11	30		
4-Bromophenyl phenyl ether	72	72	45 - 115	3	30		
4-Chloro-3-methylphenol	75	75	45 - 115	2	30		
4-Chloroaniline	53	51	10 - 95	1	30		
4-Chlorophenyl phenyl ether	69	71	45 - 110	5	30		
4-Nitroaniline	70	72	35 - 115	6	30		
4-Nitrophenol	77	80	15 - 140	6	30		
Acenaphthene	67	68	45 - 110	4	30		
Acenaphthylene	66	67	45 - 105	4	30		
Anthracene	71	72	55 - 105	4	30		
Benzo[a]anthracene	72	74	50 - 110	6	30		

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1906			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	10/31/2013 1935			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]pyrene	72	74	50 - 110	4	30		
Benzo[b]fluoranthene	74	75	45 - 115	2	30		
Benzo[g,h,i]perylene	70	72	40 - 125	6	30		
Benzo[k]fluoranthene	74	77	45 - 125	6	30		
Benzoic acid	69	69	10 - 110	2	30		
Benzyl alcohol	71	70	20 - 125	1	30		
Bis(2-chloroethoxy)methane	66	66	45 - 110	3	30		
Bis(2-chloroethyl)ether	69	70	40 - 105	4	30		
Bis(2-ethylhexyl) phthalate	78	80	45 - 125	4	30		
Butyl benzyl phthalate	77	79	50 - 125	4	30		
Carbazole	73	75	45 - 115	4	30		
Chrysene	73	75	55 - 110	5	30		
Dibenz(a,h)anthracene	72	74	40 - 125	5	30		
Dibenzofuran	68	69	50 - 105	4	30		
Diethyl phthalate	72	73	50 - 115	3	30		
Dimethyl phthalate	78	78	50 - 110	2	30		
Di-n-butyl phthalate	75	76	55 - 110	4	30		
Di-n-octyl phthalate	77	79	40 - 130	5	30		
Fluoranthene	73	76	55 - 115	6	30		
Fluorene	69	70	50 - 110	4	30		
Hexachlorobenzene	69	71	45 - 120	5	30		
Hexachlorobutadiene	63	64	40 - 115	3	30		
Hexachlorocyclopentadiene	45	43	35 - 123	2	30	J	J
Hexachloroethane	64	63	35 - 110	1	30		
Indeno[1,2,3-cd]pyrene	69	72	40 - 120	6	30	M	M
Isophorone	63	63	45 - 110	2	30		
Naphthalene	66	66	40 - 105	2	30		
Nitrobenzene	67	67	40 - 115	3	30		
N-Nitrosodimethylamine	63	64	20 - 115	3	30		
N-Nitrosodi-n-propylamine	70	70	40 - 115	2	30		
N-Nitrosodiphenylamine	73	74	50 - 115	5	30		
Pentachlorophenol	68	68	25 - 120	3	30		
Phenanthrene	72	74	50 - 110	4	30		

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1906			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	10/31/2013 1935			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	73	74	40 - 100	4	30		
Pyrene	74	77	45 - 125	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	75	78	35 - 125
2-Fluorobiphenyl	65	67	45 - 105
2-Fluorophenol (Surr)	72	72	35 - 105
Nitrobenzene-d5 (Surr)	68	69	35 - 100
Phenol-d5 (Surr)	73	73	40 - 100
Terphenyl-d14 (Surr)	76	78	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Units:	ug/Kg	MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/31/2013 1906			Analysis Date:	10/31/2013 1935
Prep Date:	10/29/2013 2140			Prep Date:	10/29/2013 2140
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
1,2,4-Trichlorobenzene	36	U	2870	2940	1810		1880
1,2-Dichlorobenzene	36	U	2870	2940	1860		1880
1,2-Diphenylhydrazine	36	U	2900	2970	2130		2210
1,3-Dichlorobenzene	36	U	2870	2940	1810		1840
1,4-Dichlorobenzene	36	U	2870	2940	1790		1830
2,2'-oxybis[1-chloropropane]	36	U	2870	2940	2050		2080
2,4,5-Trichlorophenol	140	U	2870	2940	2090		2160
2,4,6-Trichlorophenol	71	U	2870	2940	2080		2140
2,4-Dichlorophenol	71	U	2870	2940	1980		2060
2,4-Dimethylphenol	140	U	2870	2940	1930		1980
2,4-Dinitrophenol	720	U	5740	5880	2790		3230
2,4-Dinitrotoluene	140	U	2870	2940	2130		2230
2,6-Dinitrotoluene	71	U	2870	2940	2050		2120
2-Chloronaphthalene	36	U	2870	2940	1860		1940
2-Chlorophenol	36	U	2870	2940	1940		2030
2-Methylnaphthalene	36	U	2870	2940	1950		1980
2-Methylphenol	36	U	2870	2940	2010		2080
2-Nitroaniline	71	U	2870	2940	2120		2260
2-Nitrophenol	71	U	2870	2940	1910		2030
3 & 4 Methylphenol	71	U	2870	2940	2080		2080
3,3'-Dichlorobenzidine	360	U	2870	2940	1680	J	1810
3-Nitroaniline	140	U	2870	2940	1870		1970
4,6-Dinitro-2-methylphenol	710	U	5740	5880	3380		3780
4-Bromophenyl phenyl ether	36	U	2870	2940	2060		2110
4-Chloro-3-methylphenol	140	U	2870	2940	2160		2210
4-Chloroaniline	140	U	2870	2940	1520		1510
4-Chlorophenyl phenyl ether	71	U	2870	2940	1990		2090
4-Nitroaniline	140	U	2870	2940	2000		2130
4-Nitrophenol	360	U	5740	5880	4420		4700
Acenaphthene	18	U	2870	2940	1920		2000
Acenaphthylene	36	U	2870	2940	1880		1970
Anthracene	36	U	2870	2940	2040		2120
Benzo[a]anthracene	23	J	2870	2940	2080		2200
Benzo[a]pyrene	22	J	2870	2940	2070		2160
Benzo[b]fluoranthene	28	J	2870	2940	2140		2190
Benzo[g,h,i]perylene	36	U	2870	2940	2010		2130
Benzo[k]fluoranthene	71	U	2870	2940	2120		2250
Benzoic acid	710	U	2870	2940	1990		2040
Benzyl alcohol	36	U	2870	2940	2030		2040
Bis(2-chloroethoxy)methane	71	U	2870	2940	1890		1940
Bis(2-chloroethyl)ether	36	U	2870	2940	1990		2060
Bis(2-ethylhexyl) phthalate	71	U	2870	2940	2250		2340
Butyl benzyl phthalate	71	U	2870	2940	2220		2310

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	10/31/2013 1906		
Prep Date:	10/29/2013 2140		
Leach Date:	N/A		

MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	10/31/2013 1935
Prep Date:	10/29/2013 2140
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Carbazole	72	U	2870	2940	2100		2200	
Chrysene	36	U	2870	2940	2080		2200	
Dibenz(a,h)anthracene	36	U	2870	2940	2060		2170	
Dibenzofuran	36	U	2870	2940	1950		2040	
Diethyl phthalate	36	U	2870	2940	2080		2150	
Dimethyl phthalate	100	J	2870	2940	2330		2380	
Di-n-butyl phthalate	36	U	2870	2940	2160		2240	
Di-n-octyl phthalate	71	U	2870	2940	2210		2320	
Fluoranthene	40	J	2870	2940	2150		2280	
Fluorene	36	U	2870	2940	1990		2060	
Hexachlorobenzene	71	U	2870	2940	1980		2080	
Hexachlorobutadiene	71	U	2870	2940	1820		1870	
Hexachlorocyclopentadiene	71	U	2870	2940	1300	J	1270	J
Hexachloroethane	36	U	2870	2940	1830		1840	
Indeno[1,2,3-cd]pyrene	36	U	2870	2940	2000	M	2120	M
Isophorone	36	U	2870	2940	1810		1860	
Naphthalene	71	U	2870	2940	1890		1920	
Nitrobenzene	36	U	2870	2940	1920		1980	
N-Nitrosodimethylamine	71	U	2870	2940	1820		1870	
N-Nitrosodi-n-propylamine	71	U	2870	2940	2020		2060	
N-Nitrosodiphenylamine	36	U	2870	2940	2090		2190	
Pentachlorophenol	720	U	5740	5880	3880		3980	
Phenanthrene	20	J	2870	2940	2100		2190	
Phenol	36	U	2870	2940	2090		2160	
Pyrene	37	J	2870	2940	2160		2290	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198319

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 280-198319/1-A	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11010041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.4 g
Analysis Date:	11/01/2013 2143	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.68	U	0.54	1.7
4,4'-DDE	0.45	U	0.23	1.7
4,4'-DDT	0.68	U	0.58	2.0
Aldrin	0.45	U	0.25	1.7
alpha-BHC	0.45	U	0.21	1.7
alpha-Chlordane	0.45	U	0.32	1.7
beta-BHC	0.68	U	0.66	1.7
delta-BHC	0.68	U	0.40	1.7
Dieldrin	0.45	U	0.21	1.7
Endosulfan I	0.45	U	0.17	1.7
Endosulfan II	0.45	U	0.28	1.7
Endosulfan sulfate	0.45	U	0.27	1.7
Endrin	0.45	U	0.30	1.7
Endrin aldehyde	0.45	U	0.17	1.7
Endrin ketone	0.68	U	0.48	1.7
gamma-BHC (Lindane)	0.68	U	0.46	1.7
gamma-Chlordane	0.68	U	0.26	1.7
Heptachlor	0.45	U	0.21	1.7
Heptachlor epoxide	0.68	U	0.42	1.7
Methoxychlor	0.68	U	0.44	3.3
Toxaphene	27	U	16	170

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	55 - 130
Tetrachloro-m-xylene	88	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	55 - 130
Tetrachloro-m-xylene	98	70 - 125

Lab Control Sample - Batch: 280-198319 **Method: 8081B**
Preparation: 3546

Lab Sample ID:	LCS 280-198319/3-A	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11010042.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	11/01/2013 2200	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	66.0	69.8	106	51 - 139	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	109	55 - 130
Tetrachloro-m-xylene	99	70 - 125

Lab Control Sample - Batch: 280-198319 **Method: 8081B**
Preparation: 3546

Lab Sample ID:	LCS 280-198319/2-A	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11010043.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	11/01/2013 2216	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	16.7	18.1	108	30 - 135	
4,4'-DDE	16.7	17.2	103	70 - 125	
4,4'-DDT	16.7	17.3	104	45 - 140	
Aldrin	16.7	16.6	100	45 - 140	
alpha-BHC	16.7	16.3	98	60 - 125	
alpha-Chlordane	16.7	16.8	101	65 - 120	
beta-BHC	16.7	15.9	95	60 - 125	
delta-BHC	16.7	16.2	97	55 - 130	
Dieldrin	16.7	17.2	103	65 - 125	
Endosulfan I	16.7	16.1	97	15 - 135	
Endosulfan II	16.7	16.9	101	35 - 140	
Endosulfan sulfate	16.7	18.3	110	60 - 135	
Endrin	16.7	17.9	107	60 - 135	
Endrin aldehyde	16.7	14.8	89	54 - 115	
Endrin ketone	16.7	17.6	106	65 - 135	
gamma-BHC (Lindane)	16.7	16.1	97	60 - 125	
gamma-Chlordane	16.7	17.3	104	65 - 125	
Heptachlor	16.7	15.9	95	50 - 140	
Heptachlor epoxide	16.7	17.1	103	65 - 130	
Methoxychlor	16.7	17.0	102	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	55 - 130
Tetrachloro-m-xylene	90	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	101	55 - 130

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	114	70 - 125

Method Blank - Batch: 280-198319

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 280-198319/1-A	Analysis Batch:	280-198824	Instrument ID:	SGC_W
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11011323.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.4 g
Analysis Date:	11/01/2013 1640	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
PCB-1016	9.9	U	5.0	33
PCB-1221	20	U	15	33
PCB-1232	15	U	5.1	33
PCB-1242	9.9	U	9.0	33
PCB-1248	9.9	U	5.5	33
PCB-1254	9.9	U	5.4	33
PCB-1260	9.9	U	2.6	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	102	60 - 125
Tetrachloro-m-xylene	84	53 - 128

Lab Control Sample - Batch: 280-198319

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 280-198319/4-A	Analysis Batch:	280-198824	Instrument ID:	SGC_W
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11011324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	11/01/2013 1703	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	66.0	57.7	87	40 - 140	
PCB-1260	66.0	63.5	96	60 - 130	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	60 - 125
Tetrachloro-m-xylene	86	53 - 128

Method Blank - Batch: 280-199600 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/08/2013 1948	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Arsenic	0.93	U	0.61	2.3
Barium	0.17	U	0.070	1.9
Beryllium	0.065	U	0.031	0.46
Cadmium	0.093	U	0.038	0.46
Calcium	19	U	13	93
Chromium	0.14	U	0.054	3.2
Cobalt	0.19	U	0.093	0.93
Copper	0.46	U	0.20	4.6
Iron	4.6	U	3.5	74
Lead	0.74	U	0.25	0.83
Magnesium	4.6	U	3.4	28
Manganese	0.14	U Q	0.093	4.2
Molybdenum	0.46	U	0.24	2.3
Nickel	0.19	U	0.11	3.7
Potassium	46	U	38	280
Selenium	1.1	U	0.80	2.8
Silver	0.19	U	0.15	1.4
Sodium	93	U	55	460
Strontium	0.074	U Q	0.033	1.4
Thallium	1.1	U	0.60	2.8
Vanadium	0.19	U Q	0.087	1.9
Zinc	0.419	J	0.37	7.4

Method Blank - Batch: 280-199600 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/11/2013 1848	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	2.8	U	1.4	46
Boron	0.93	U	0.91	9.3

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/14/2013 1705	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Antimony	0.56	U	0.35	1.9

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/08/2013 1950	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	86.2	82.0	95	80 - 120	
Barium	172	171	99	80 - 120	
Beryllium	4.31	4.19	97	80 - 120	
Cadmium	8.62	8.67	101	80 - 120	
Calcium	4310	4140	96	80 - 120	
Chromium	17.2	16.8	97	80 - 120	
Cobalt	43.1	41.6	96	80 - 120	
Copper	21.6	21.7	100	80 - 120	
Iron	86.2	82.0	95	80 - 120	
Lead	43.1	41.3	96	80 - 120	
Magnesium	4310	4050	94	80 - 120	
Manganese	43.1	41.6	97	80 - 120	Q
Molybdenum	86.2	84.0	97	80 - 120	
Nickel	43.1	41.3	96	80 - 120	
Potassium	4310	4320	100	80 - 120	
Selenium	172	162	94	80 - 120	
Silver	4.31	3.93	91	80 - 120	
Sodium	4310	4480	104	80 - 120	
Strontium	86.2	84.8	98	80 - 120	Q
Thallium	172	165	96	80 - 120	
Vanadium	43.1	42.8	99	80 - 120	Q
Zinc	43.1	41.0	95	80 - 120	

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/11/2013 1851	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	172	167	97	80 - 120	
Boron	86.2	97.0	112	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/14/2013 1707	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	43.1	42.4	98	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-199719

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 280-199719/1-A	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1850	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	14	U	5.7	18

Lab Control Sample - Batch: 280-199719

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 280-199719/2-A	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1920	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	431	376	87	80 - 120	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-48486-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	K	Benzo (b&k) fluoranthene are unresolved due to matrix, result is reported as Benzo(b)fluoranthene.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-48486-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-198393					
LCS 280-198393/2-A	Lab Control Sample	T	Solid	5030B	
MB 280-198393/1-A	Method Blank	T	Solid	5030B	
280-48486-1	AOI474BF	T	Solid	5030B	
280-48486-1MS	Matrix Spike	T	Solid	5030B	
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:280-198398					
LCS 280-198393/2-A	Lab Control Sample	T	Solid	8260B/DoD	280-198393
MB 280-198393/1-A	Method Blank	T	Solid	8260B/DoD	280-198393
280-48486-1	AOI474BF	T	Solid	8260B/DoD	280-198393
280-48486-1MS	Matrix Spike	T	Solid	8260B/DoD	280-198393
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	280-198393

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-198371					
LCS 280-198371/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-198371/1-A	Method Blank	T	Solid	3550C	
280-48486-1	AOI474BF	T	Solid	3550C	
280-48486-1MS	Matrix Spike	T	Solid	3550C	
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	3550C	
Analysis Batch:280-198682					
LCS 280-198371/2-A	Lab Control Sample	T	Solid	8270D/DoD	280-198371
MB 280-198371/1-A	Method Blank	T	Solid	8270D/DoD	280-198371
280-48486-1	AOI474BF	T	Solid	8270D/DoD	280-198371
280-48486-1MS	Matrix Spike	T	Solid	8270D/DoD	280-198371
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	8270D/DoD	280-198371

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-48486-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 280-198319					
LCS 280-198319/2-A	Lab Control Sample	T	Solid	3546	
LCS 280-198319/3-A	Lab Control Sample	T	Solid	3546	
LCS 280-198319/4-A	Lab Control Sample	T	Solid	3546	
MB 280-198319/1-A	Method Blank	T	Solid	3546	
280-48486-1	AOI474BF	T	Solid	3546	
Analysis Batch:280-198824					
LCS 280-198319/4-A	Lab Control Sample	T	Solid	8082A	280-198319
MB 280-198319/1-A	Method Blank	T	Solid	8082A	280-198319
280-48486-1	AOI474BF	T	Solid	8082A	280-198319
Analysis Batch:280-198855					
LCS 280-198319/2-A	Lab Control Sample	T	Solid	8081B	280-198319
LCS 280-198319/3-A	Lab Control Sample	T	Solid	8081B	280-198319
MB 280-198319/1-A	Method Blank	T	Solid	8081B	280-198319
280-48486-1	AOI474BF	T	Solid	8081B	280-198319

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-48486-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-199600					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-199600/1-A	Method Blank	T	Solid	3050B	
280-48486-1	AOI474BF	T	Solid	3050B	
Prep Batch: 280-199719					
LCS 280-199719/2-A	Lab Control Sample	T	Solid	7471B	
MB 280-199719/1-A	Method Blank	T	Solid	7471B	
280-48486-1	AOI474BF	T	Solid	7471B	
Analysis Batch:280-200251					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48486-1	AOI474BF	T	Solid	6010C	280-199600
Analysis Batch:280-200481					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48486-1	AOI474BF	T	Solid	6010C	280-199600
Analysis Batch:280-200988					
LCS 280-199719/2-A	Lab Control Sample	T	Solid	7471B	280-199719
MB 280-199719/1-A	Method Blank	T	Solid	7471B	280-199719
280-48486-1	AOI474BF	T	Solid	7471B	280-199719
Analysis Batch:280-201175					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48486-1	AOI474BF	T	Solid	6010C	280-199600

Report Basis
T = Total

General Chemistry

Analysis Batch:280-198522					
280-48486-1	AOI474BF	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Remediations Inc Job Number: 280-48486-1

Laboratory Chronicle

Lab ID: 280-48486-1 **Client ID: AOI474BF**

Sample Date/Time: 10/25/2013 11:00 Received Date/Time: 10/28/2013 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-48486-A-1-B		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	280-48486-A-1-B		280-198398	280-198393	10/29/2013 23:17	1	TAL DEN	ADD
P:3550C	280-48486-B-1-A		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	280-48486-B-1-A		280-198682	280-198371	10/31/2013 18:36	1	TAL DEN	DCK
P:3546	280-48486-A-1-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	280-48486-A-1-A		280-198855	280-198319	11/02/2013 03:28	1	TAL DEN	DAW
P:3546	280-48486-A-1-A		280-198824	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8082A	280-48486-A-1-A		280-198824	280-198319	11/01/2013 21:42	1	TAL DEN	TDJ
P:3050B	280-48486-A-1-E		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48486-A-1-E		280-200251	280-199600	11/08/2013 20:21	1	TAL DEN	JKH
P:3050B	280-48486-A-1-E		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48486-A-1-E		280-200481	280-199600	11/11/2013 19:22	1	TAL DEN	JKH
P:3050B	280-48486-A-1-E		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48486-A-1-E		280-201175	280-199600	11/14/2013 17:48	1	TAL DEN	JKH
P:7471B	280-48486-A-1-F		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48486-A-1-F		280-200988	280-199719	11/13/2013 18:54	1	TAL DEN	JM
A:Moisture	280-48486-A-1		280-198522		10/30/2013 14:00	1	TAL DEN	BAN

Lab ID: 280-48486-1 MS **Client ID: AOI474BF**

Sample Date/Time: 10/25/2013 11:00 Received Date/Time: 10/28/2013 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-48486-A-1-C MS		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	280-48486-A-1-C MS		280-198398	280-198393	10/29/2013 23:39	1	TAL DEN	ADD
P:3550C	280-48486-B-1-B MS		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	280-48486-B-1-B MS		280-198682	280-198371	10/31/2013 19:06	1	TAL DEN	DCK

Lab ID: 280-48486-1 MSD **Client ID: AOI474BF**

Sample Date/Time: 10/25/2013 11:00 Received Date/Time: 10/28/2013 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-48486-A-1-D MSD		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	280-48486-A-1-D MSD		280-198398	280-198393	10/30/2013 00:00	1	TAL DEN	ADD
P:3550C	280-48486-B-1-C MSD		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	280-48486-B-1-C MSD		280-198682	280-198371	10/31/2013 19:35	1	TAL DEN	DCK

Client: FPM Remediations Inc

Job Number: 280-48486-1

Laboratory Chronicle

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-198393/1-A		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	MB 280-198393/1-A		280-198398	280-198393	10/29/2013 18:12	1	TAL DEN	ADD
P:3550C	MB 280-198371/1-A		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	MB 280-198371/1-A		280-198682	280-198371	10/31/2013 13:15	1	TAL DEN	DCK
P:3546	MB 280-198319/1-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	MB 280-198319/1-A		280-198855	280-198319	11/01/2013 21:43	1	TAL DEN	DAW
P:3546	MB 280-198319/1-A		280-198824	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8082A	MB 280-198319/1-A		280-198824	280-198319	11/01/2013 16:40	1	TAL DEN	TDJ
P:3050B	MB 280-199600/1-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-200251	280-199600	11/08/2013 19:48	1	TAL DEN	JKH
P:3050B	MB 280-199600/1-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-200481	280-199600	11/11/2013 18:48	1	TAL DEN	JKH
P:3050B	MB 280-199600/1-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-201175	280-199600	11/14/2013 17:05	1	TAL DEN	JKH
P:7471B	MB 280-199719/1-A		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	MB 280-199719/1-A		280-200988	280-199719	11/13/2013 18:50	1	TAL DEN	JM

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-198393/2-A		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	LCS 280-198393/2-A		280-198398	280-198393	10/29/2013 17:51	1	TAL DEN	ADD
P:3550C	LCS 280-198371/2-A		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	LCS 280-198371/2-A		280-198682	280-198371	10/31/2013 14:10	1	TAL DEN	DCK
P:3546	LCS 280-198319/3-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	LCS 280-198319/3-A		280-198855	280-198319	11/01/2013 22:00	1	TAL DEN	DAW
P:3546	LCS 280-198319/2-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	LCS 280-198319/2-A		280-198855	280-198319	11/01/2013 22:16	1	TAL DEN	DAW
P:3546	LCS 280-198319/4-A		280-198824	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8082A	LCS 280-198319/4-A		280-198824	280-198319	11/01/2013 17:03	1	TAL DEN	TDJ
P:3050B	LCS 280-199600/2-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-200251	280-199600	11/08/2013 19:50	1	TAL DEN	JKH
P:3050B	LCS 280-199600/2-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-200481	280-199600	11/11/2013 18:51	1	TAL DEN	JKH
P:3050B	LCS 280-199600/2-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-201175	280-199600	11/14/2013 17:07	1	TAL DEN	JKH
P:7471B	LCS 280-199719/2-A		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	LCS 280-199719/2-A		280-200988	280-199719	11/13/2013 19:20	1	TAL DEN	JM

Lab References:

TAL DEN = TestAmerica Denver

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8081 LCS_00207	10/30/13	10/23/13	P&T Methanol, Lot MethanolP&T_00071	50 mL	8081LCSPrim_00020	0.5 mL	4,4'-DDD	0.5 ug/mL
							4,4'-DDE	0.5 ug/mL
							4,4'-DDT	0.5 ug/mL
							Aldrin	0.5 ug/mL
							alpha-BHC	0.5 ug/mL
							alpha-Chlordane	0.5 ug/mL
							beta-BHC	0.5 ug/mL
							delta-BHC	0.5 ug/mL
							Dieldrin	0.5 ug/mL
							Endosulfan I	0.5 ug/mL
							Endosulfan II	0.5 ug/mL
							Endosulfan sulfate	0.5 ug/mL
							Endrin	0.5 ug/mL
							Endrin aldehyde	0.5 ug/mL
							Endrin ketone	0.5 ug/mL
							gamma-BHC (Lindane)	0.5 ug/mL
							gamma-Chlordane	0.5 ug/mL
							Heptachlor	0.5 ug/mL
							Heptachlor epoxide	0.5 ug/mL
							Methoxychlor	0.5 ug/mL
.8081LCSPrim_00020	03/05/14	09/05/13	Hexane, Lot Hexane_Cycl_00017	10 mL	8081ABResPS_00004	0.25 mL	4,4'-DDD	50 ug/mL
							4,4'-DDE	50 ug/mL
							4,4'-DDT	50 ug/mL
							Aldrin	50 ug/mL
							alpha-BHC	50 ug/mL
							alpha-Chlordane	50 ug/mL
							beta-BHC	50 ug/mL
							delta-BHC	50 ug/mL
							Dieldrin	50 ug/mL
							Endosulfan I	50 ug/mL
							Endosulfan II	50 ug/mL
							Endosulfan sulfate	50 ug/mL
							Endrin	50 ug/mL
							Endrin aldehyde	50 ug/mL
							Endrin ketone	50 ug/mL
							gamma-BHC (Lindane)	50 ug/mL
							gamma-Chlordane	50 ug/mL
							Heptachlor	50 ug/mL
							Heptachlor epoxide	50 ug/mL
							Methoxychlor	50 ug/mL
..8081ABResPS_00004	09/05/14		Restek, Lot A093456		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
8081/82 Surr_00061	04/15/14	10/15/13	ACETONE, Lot Acetone_00074	1000 mL	AR_SURR_RES_00004	1 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.AR_SURR_RES_00004	03/31/19	RESTEK, Lot A092533			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081_EvalB2nd_00010	03/01/14	08/30/13	Hexane, Lot 36784	100 mL	8081EvalBStk2_00005	20 uL	4,4'-DDT	0.04 ug/mL
							Endrin	0.04 ug/mL
.8081EvalBStk2_00005	07/12/14	AccuStandard, Inc, Lot 213071146			(Purchased Reagent)		4,4'-DDT	200 ug/mL
							Endrin	200 ug/mL
8081ABICVL3_00017	12/28/13	06/28/13	Hexane, Lot 23181	100 mL	8081ABICVStk_00014	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABICVStk_00014	12/28/13	06/28/13	Hexane, Lot 23181	50 mL	8081ABResSS_00001	0.025 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081SurStkSS_00010	0.25 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResSS_00001	04/30/17	Restek, Lot A094503			(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081SurStkSS_00010	12/31/14	Ultra Scientific, Lot CG-3165A			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL1_00013	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	0.4 mL	4,4'-DDD	4 ng/mL
							4,4'-DDE	4 ng/mL
							4,4'-DDT	4 ng/mL
							Aldrin	4 ng/mL
							alpha-BHC	4 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-Chlordane	4 ng/mL
							beta-BHC	4 ng/mL
							delta-BHC	4 ng/mL
							Dieldrin	4 ng/mL
							Endosulfan I	4 ng/mL
							Endosulfan II	4 ng/mL
							Endosulfan sulfate	4 ng/mL
							Endrin	4 ng/mL
							Endrin aldehyde	4 ng/mL
							Endrin ketone	4 ng/mL
							gamma-BHC (Lindane)	4 ng/mL
							gamma-Chlordane	4 ng/mL
							Heptachlor	4 ng/mL
							Heptachlor epoxide	4 ng/mL
							Methoxychlor	4 ng/mL
							Hexachlorobenzene	4 ng/mL
							Isodrin	4 ng/mL
							Mirex	4 ng/mL
							DCB Decachlorobiphenyl	4 ng/mL
							Tetrachloro-m-xylene	4 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15	Accustandard, Inc., Lot 212011345-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL2_00013	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	1 mL	4,4'-DDD	10 ng/mL
							4,4'-DDE	10 ng/mL
							4,4'-DDT	10 ng/mL
							Aldrin	10 ng/mL
							alpha-BHC	10 ng/mL
							alpha-Chlordane	10 ng/mL
							beta-BHC	10 ng/mL
							delta-BHC	10 ng/mL
							Dieldrin	10 ng/mL
							Endosulfan I	10 ng/mL
							Endosulfan II	10 ng/mL
							Endosulfan sulfate	10 ng/mL
							Endrin	10 ng/mL
							Endrin aldehyde	10 ng/mL
							Endrin ketone	10 ng/mL
							gamma-BHC (Lindane)	10 ng/mL
							gamma-Chlordane	10 ng/mL
							Heptachlor	10 ng/mL
							Heptachlor epoxide	10 ng/mL
							Methoxychlor	10 ng/mL
							Hexachlorobenzene	10 ng/mL
							Isodrin	10 ng/mL
							Mirex	10 ng/mL
							DCB Decachlorobiphenyl	10 ng/mL
							Tetrachloro-m-xylene	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21		Accustandard, Inc., Lot 211041442		(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15		Accustandard, Lot 212041166		(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15		Accustandard, Inc., Lot 212011345-01		(Purchased Reagent)		Mirex	100 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL3_00014	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							Hexachlorobenzene	25 ng/mL
							Isodrin	25 ng/mL
							Mirex	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21		Accustandard, Inc., Lot 211041442		(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15		Accustandard, Lot 212041166		(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15		Accustandard, Inc., Lot 212011345-01		(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22		AccuStandard, Inc., Lot 212011008		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL4_00016	02/28/14	08/28/13	Hexane, Lot 36784	250 mL	8081ABCalStk_00020	12.5 mL	4,4'-DDD	50 ng/mL
							4,4'-DDE	50 ng/mL
							4,4'-DDT	50 ng/mL
							Aldrin	50 ng/mL
							alpha-BHC	50 ng/mL
							alpha-Chlordane	50 ng/mL
							beta-BHC	50 ng/mL
							delta-BHC	50 ng/mL
							Dieldrin	50 ng/mL
							Endosulfan I	50 ng/mL
							Endosulfan II	50 ng/mL
							Endosulfan sulfate	50 ng/mL
							Endrin	50 ng/mL
							Endrin aldehyde	50 ng/mL
							Endrin ketone	50 ng/mL
							gamma-BHC (Lindane)	50 ng/mL
							gamma-Chlordane	50 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor	50 ng/mL
							Heptachlor epoxide	50 ng/mL
							Methoxychlor	50 ng/mL
							Hexachlorobenzene	50 ng/mL
							Isodrin	50 ng/mL
							Mirex	50 ng/mL
							DCB Decachlorobiphenyl	50 ng/mL
							Tetrachloro-m-xylene	50 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15	Accustandard, Inc., Lot 212011345-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL5_00014	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	7.5 mL	4,4'-DDD	75 ng/mL
							4,4'-DDE	75 ng/mL
							4,4'-DDT	75 ng/mL
							Aldrin	75 ng/mL
							alpha-BHC	75 ng/mL
							alpha-Chlordane	75 ng/mL
							beta-BHC	75 ng/mL
							delta-BHC	75 ng/mL
							Dieldrin	75 ng/mL
							Endosulfan I	75 ng/mL
							Endosulfan II	75 ng/mL
							Endosulfan sulfate	75 ng/mL
							Endrin	75 ng/mL
							Endrin aldehyde	75 ng/mL
							Endrin ketone	75 ng/mL
							gamma-BHC (Lindane)	75 ng/mL
							gamma-Chlordane	75 ng/mL
							Heptachlor	75 ng/mL
							Heptachlor epoxide	75 ng/mL
							Methoxychlor	75 ng/mL
							Hexachlorobenzene	75 ng/mL
							Isodrin	75 ng/mL
							Mirex	75 ng/mL
							DCB Decachlorobiphenyl	75 ng/mL
							Tetrachloro-m-xylene	75 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21		Accustandard, Inc., Lot 211041442		(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15		Accustandard, Lot 212041166		(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15		Accustandard, Inc., Lot 212011345-01		(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22		AccuStandard, Inc., Lot 212011008		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL6_00013	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	10 mL	4,4'-DDD	100 ng/mL
							4,4'-DDE	100 ng/mL
							4,4'-DDT	100 ng/mL
							Aldrin	100 ng/mL
							alpha-BHC	100 ng/mL
							alpha-Chlordane	100 ng/mL
							beta-BHC	100 ng/mL
							delta-BHC	100 ng/mL
							Dieldrin	100 ng/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	100 ng/mL
							Endosulfan II	100 ng/mL
							Endosulfan sulfate	100 ng/mL
							Endrin	100 ng/mL
							Endrin aldehyde	100 ng/mL
							Endrin ketone	100 ng/mL
							gamma-BHC (Lindane)	100 ng/mL
							gamma-Chlordane	100 ng/mL
							Heptachlor	100 ng/mL
							Heptachlor epoxide	100 ng/mL
							Methoxychlor	100 ng/mL
							Hexachlorobenzene	100 ng/mL
							Isodrin	100 ng/mL
							Mirex	100 ng/mL
							DCB Decachlorobiphenyl	100 ng/mL
							Tetrachloro-m-xylene	100 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15	Accustandard, Inc., Lot 212011345-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081Toxaphene_00015	01/24/14	07/24/13	ACETONE, Lot Acetone_00054	250 mL	8081 ToxStock_00006	0.5 mL	Toxaphene	2 ug/mL
.8081 ToxStock_00006	05/21/20	AccuStandard, Lot 210051215			(Purchased Reagent)		Toxaphene	1000 ug/mL
8081TOXCCVL4_00001	11/02/13	05/02/13	Hexane, Lot 23181	250 mL	8081ToxPS_00023	0.1 mL	Toxaphene	2000 ng/mL
							Toxaphene Peak 1	2000 ng/mL
							Toxaphene Peak 2	2000 ng/mL
							Toxaphene Peak 3	2000 ng/mL
							Toxaphene Peak 4	2000 ng/mL
							Toxaphene Peak 5	2000 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene	5000 ug/mL
							Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxICVL3_00001	11/06/13	05/06/13	Hexane, Lot 23181	100 mL	8081ToxSS_00011	0.1 mL	Toxaphene	1000 ng/mL
.8081ToxSS_00011	01/19/22	Accustandard, Inc., Lot 212011251			(Purchased Reagent)		Toxaphene	1000 ug/mL
8081ToxL1_00010	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.004 mL	Toxaphene Peak 1	200 ng/mL
							Toxaphene Peak 2	200 ng/mL
							Toxaphene Peak 3	200 ng/mL
							Toxaphene Peak 4	200 ng/mL
							Toxaphene Peak 5	200 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL2_00010	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.01 mL	Toxaphene Peak 1	500 ng/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 2	500 ng/mL
							Toxaphene Peak 3	500 ng/mL
							Toxaphene Peak 4	500 ng/mL
							Toxaphene Peak 5	500 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL3_00010	11/03/13	05/03/13	Hexane, Lot 0000014962	100 mL	8081ToxPS_00023	0.02 mL	Toxaphene Peak 1	1000 ng/mL
							Toxaphene Peak 2	1000 ng/mL
							Toxaphene Peak 3	1000 ng/mL
							Toxaphene Peak 4	1000 ng/mL
							Toxaphene Peak 5	1000 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL5_00011	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.1 mL	Toxaphene Peak 1	5000 ng/mL
							Toxaphene Peak 2	5000 ng/mL
							Toxaphene Peak 3	5000 ng/mL
							Toxaphene Peak 4	5000 ng/mL
							Toxaphene Peak 5	5000 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL6_00013	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.2 mL	Toxaphene Peak 1	10000 ng/mL
							Toxaphene Peak 2	10000 ng/mL
							Toxaphene Peak 3	10000 ng/mL
							Toxaphene Peak 4	10000 ng/mL
							Toxaphene Peak 5	10000 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8082 LCS_00034	02/02/14	08/02/13	ACETONE, Lot Acetone_00054	500 mL	8082LCSSTOCK_00021	1 mL	PCB-1016	2 ug/mL
							PCB-1260	2 ug/mL
.8082LCSSTOCK_00021	04/30/19		RESTEK, Lot A092844		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
8270_LCS_Main_00004	08/31/14	09/13/13	P&T Methanol, Lot MethanolP&T_00069	250 mL	MS-567672_00015	5 mL	1,1'-Biphenyl	80 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00016	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00017	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00018	5 mL	1,1'-Biphenyl	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567674_00008	5 mL	Benzoic acid	80 ug/mL
					MS-567674_00009	5 mL	Benzoic acid	80 ug/mL
					MS-567676_00008	5 mL	N-Nitrosodiphenylamine	80 ug/mL
					MS-567676_00009	5 mL	N-Nitrosodiphenylamine	80 ug/mL
.MS-567672_00015	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00016	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00017	08/31/14	Restek, Lot A093709			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00018	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567674_00008	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-567674_00009	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-567676_00008	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-567676_00009	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
8270_LCS_Supp_00025	11/03/13	10/27/13	P&T Methanol, Lot MethanolP&T_00071	50 mL	MS-567673_00023	2 mL	3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
.MS-567673_00023	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
8270Surrogate_00064	09/26/14	09/26/13	ACETONE, Lot Acetone_00070	1000 mL	8270SurStkHL_00012	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00018	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00026	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00027	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.8270SurStkHL_00012	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00018	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00026	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00027	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
Alt Ba Fe Zn_00001	03/01/14	11/08/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Ba_00007	0.01 mL	Barium	0.01 ppm
					1000 Zn_00006	0.02 mL	Zinc	0.02 ppm
					10000 Fe_00009	0.005 mL	Iron	0.05 ppm
.1000 Ba_00007	04/01/14	Inorganic Ventures, Lot F2-BA02076			(Purchased Reagent)		Barium	1000 mg/L
.1000 Zn_00006	04/01/14	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 mg/L
.10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
Alt Se Zn_00010	04/01/14	11/14/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Zn_00006	0.02 mL	Zinc	0.02 ppm
.1000 Zn_00006	04/01/14	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 mg/L
Alt Se_00058	03/01/14	11/14/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Se_00007	0.02 mL	Selenium	0.02 ppm
.1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
AR_1248_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1248_RESss_00001	25 uL	PCB-1248	250 ng/mL
							PCB-1248 Peak 1	250 ng/mL
							PCB-1248 Peak 2	250 ng/mL
							PCB-1248 Peak 3	250 ng/mL
							PCB-1248 Peak 4	250 ng/mL
							PCB-1248 Peak 5	250 ng/mL
.AR_1248_RESss_00001	08/22/14	RESTEK, Lot A094339			(Purchased Reagent)		PCB-1248	1000 ug/mL
							PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L1_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	0.25 mL	PCB-1248 Peak 1	0.025 ug/mL
							PCB-1248 Peak 2	0.025 ug/mL
							PCB-1248 Peak 3	0.025 ug/mL
							PCB-1248 Peak 4	0.025 ug/mL
							PCB-1248 Peak 5	0.025 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L2_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 5	0.05 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L3_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L4_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	2.5 mL	PCB-1248 Peak 1	0.25 ug/mL
							PCB-1248 Peak 2	0.25 ug/mL
							PCB-1248 Peak 3	0.25 ug/mL
							PCB-1248 Peak 4	0.25 ug/mL
							PCB-1248 Peak 5	0.25 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L6_00008	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	7.5 mL	PCB-1248 Peak 1	0.75 ug/mL
							PCB-1248 Peak 2	0.75 ug/mL
							PCB-1248 Peak 3	0.75 ug/mL
							PCB-1248 Peak 4	0.75 ug/mL
							PCB-1248 Peak 5	0.75 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1660_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1660_RESss_00001	25 uL	PCB-1016	250 ng/mL
							PCB-1016 Peak 1	250 ng/mL
							PCB-1016 Peak 2	250 ng/mL
							PCB-1016 Peak 3	250 ng/mL
							PCB-1016 Peak 4	250 ng/mL
							PCB-1016 Peak 5	250 ng/mL
							PCB-1260	250 ng/mL
							PCB-1260 Peak 1	250 ng/mL
							PCB-1260 Peak 2	250 ng/mL
							PCB-1260 Peak 3	250 ng/mL
							PCB-1260 Peak 4	250 ng/mL
							PCB-1260 Peak 5	250 ng/mL
.AR_1660_RESss_00001	08/22/14	RESTEK, Lot A094336			(Purchased Reagent)		PCB-1016	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_L1_00020	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	0.25 mL	PCB-1016 Peak 1	0.025 ug/mL
							PCB-1016 Peak 2	0.025 ug/mL
							PCB-1016 Peak 3	0.025 ug/mL
							PCB-1016 Peak 4	0.025 ug/mL
							PCB-1016 Peak 5	0.025 ug/mL
							PCB-1260 Peak 1	0.025 ug/mL
							PCB-1260 Peak 2	0.025 ug/mL
							PCB-1260 Peak 3	0.025 ug/mL
							PCB-1260 Peak 4	0.025 ug/mL
							PCB-1260 Peak 5	0.025 ug/mL
							DCB Decachlorobiphenyl	0.00125 ug/mL
							Tetrachloro-m-xylene	0.00125 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
AR_1660_L2_00019	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	0.5 mL	PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
							DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L3_00020	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	0.005 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L4_00057	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	2.5 mL	PCB-1016 Peak 1	0.25 ug/mL
							PCB-1016 Peak 2	0.25 ug/mL
							PCB-1016 Peak 3	0.25 ug/mL
							PCB-1016 Peak 4	0.25 ug/mL
							PCB-1016 Peak 5	0.25 ug/mL
							PCB-1260 Peak 1	0.25 ug/mL
							PCB-1260 Peak 2	0.25 ug/mL
							PCB-1260 Peak 3	0.25 ug/mL
							PCB-1260 Peak 4	0.25 ug/mL
							PCB-1260 Peak 5	0.25 ug/mL
							DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L5_00045	01/10/14	10/24/13	hexane, Lot 36784	25 mL	AR_1660_L7_00012	12.5 mL	PCB-1016	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016	1 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Analyte	Concentration
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L6_00021	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	7.5 mL	PCB-1016 Peak 1	0.75 ug/mL
							PCB-1016 Peak 2	0.75 ug/mL
							PCB-1016 Peak 3	0.75 ug/mL
							PCB-1016 Peak 4	0.75 ug/mL
							PCB-1016 Peak 5	0.75 ug/mL
							PCB-1260 Peak 1	0.75 ug/mL
							PCB-1260 Peak 2	0.75 ug/mL
							PCB-1260 Peak 3	0.75 ug/mL
							PCB-1260 Peak 4	0.75 ug/mL
							PCB-1260 Peak 5	0.75 ug/mL
							DCB Decachlorobiphenyl	0.0375 ug/mL
							Tetrachloro-m-xylene	0.0375 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
.AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_2154_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1221_RESss_00001	25 uL	PCB-1221	250 ng/mL
							PCB-1221 Peak 1	250 ng/mL
							PCB-1221 Peak 2	250 ng/mL
							PCB-1221 Peak 3	250 ng/mL
					AR_1254_RESss_00001	25 uL	PCB-1254	250 ng/mL
							PCB-1254 Peak 1	250 ng/mL
							PCB-1254 Peak 2	250 ng/mL
							PCB-1254 Peak 3	250 ng/mL
							PCB-1254 Peak 4	250 ng/mL
							PCB-1254 Peak 5	250 ng/mL
.AR_1221_RESss_00001	08/22/14		RESTEK, Lot A094157		(Purchased Reagent)		PCB-1221	1000 ug/mL
							PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
.AR_1254_RESss_00001	08/22/14		RESTEK, Lot A095778		(Purchased Reagent)		PCB-1254	1000 ug/mL
							PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L1_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	0.25 mL	PCB-1221 Peak 1	0.025 ug/mL
							PCB-1221 Peak 2	0.025 ug/mL
							PCB-1221 Peak 3	0.025 ug/mL
							PCB-1254 Peak 1	0.025 ug/mL
							PCB-1254 Peak 2	0.025 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 3	0.025 ug/mL
							PCB-1254 Peak 4	0.025 ug/mL
							PCB-1254 Peak 5	0.025 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L2_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L3_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L4_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	2.5 mL	PCB-1221 Peak 1	0.25 ug/mL
							PCB-1221 Peak 2	0.25 ug/mL
							PCB-1221 Peak 3	0.25 ug/mL
							PCB-1254 Peak 1	0.25 ug/mL
							PCB-1254 Peak 2	0.25 ug/mL
							PCB-1254 Peak 3	0.25 ug/mL
							PCB-1254 Peak 4	0.25 ug/mL
							PCB-1254 Peak 5	0.25 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L6_00008	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	7.5 mL	PCB-1221 Peak 1	0.75 ug/mL
							PCB-1221 Peak 2	0.75 ug/mL
							PCB-1221 Peak 3	0.75 ug/mL
							PCB-1254 Peak 1	0.75 ug/mL
							PCB-1254 Peak 2	0.75 ug/mL
							PCB-1254 Peak 3	0.75 ug/mL
							PCB-1254 Peak 4	0.75 ug/mL
							PCB-1254 Peak 5	0.75 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
.AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_3262_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1232_RESss_00001	25 uL	PCB-1232	250 ng/mL
							PCB-1232 Peak 1	250 ng/mL
							PCB-1232 Peak 2	250 ng/mL
							PCB-1232 Peak 3	250 ng/mL
							PCB-1232 Peak 4	250 ng/mL
							PCB-1232 Peak 5	250 ng/mL
.AR_1232_RESss_00001	08/22/14		RESTEK, Lot A095877		(Purchased Reagent)		PCB-1232	1000 ug/mL
							PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
AR_3262_L1_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	0.25 mL	PCB-1232 Peak 1	0.025 ug/mL
							PCB-1232 Peak 2	0.025 ug/mL
							PCB-1232 Peak 3	0.025 ug/mL
							PCB-1232 Peak 4	0.025 ug/mL
							PCB-1232 Peak 5	0.025 ug/mL
							PCB-1262 Peak 1	0.025 ug/mL
							PCB-1262 Peak 2	0.025 ug/mL
							PCB-1262 Peak 3	0.025 ug/mL
							PCB-1262 Peak 4	0.025 ug/mL
							PCB-1262 Peak 5	0.025 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22		Accustandard, Lot 212061306		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L2_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
							PCB-1262 Peak 1	0.05 ug/mL
							PCB-1262 Peak 2	0.05 ug/mL
							PCB-1262 Peak 3	0.05 ug/mL
							PCB-1262 Peak 4	0.05 ug/mL
							PCB-1262 Peak 5	0.05 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L3_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
							PCB-1262 Peak 1	0.1 ug/mL
							PCB-1262 Peak 2	0.1 ug/mL
							PCB-1262 Peak 3	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 4	0.1 ug/mL
							PCB-1262 Peak 5	0.1 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L4_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	2.5 mL	PCB-1232 Peak 1	0.25 ug/mL
							PCB-1232 Peak 2	0.25 ug/mL
							PCB-1232 Peak 3	0.25 ug/mL
							PCB-1232 Peak 4	0.25 ug/mL
							PCB-1232 Peak 5	0.25 ug/mL
							PCB-1262 Peak 1	0.25 ug/mL
							PCB-1262 Peak 2	0.25 ug/mL
							PCB-1262 Peak 3	0.25 ug/mL
							PCB-1262 Peak 4	0.25 ug/mL
							PCB-1262 Peak 5	0.25 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..AR_1262_ACC_00007	01/23/14		accustandard, Lot B4010239		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
							PCB-1262 Peak 1	0.5 ug/mL
							PCB-1262 Peak 2	0.5 ug/mL
							PCB-1262 Peak 3	0.5 ug/mL
							PCB-1262 Peak 4	0.5 ug/mL
							PCB-1262 Peak 5	0.5 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22		Accustandard, Lot 212061306		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14		accustandard, Lot B4010239		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L6_00008	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	7.5 mL	PCB-1232 Peak 1	0.75 ug/mL
							PCB-1232 Peak 2	0.75 ug/mL
							PCB-1232 Peak 3	0.75 ug/mL
							PCB-1232 Peak 4	0.75 ug/mL
							PCB-1232 Peak 5	0.75 ug/mL
							PCB-1262 Peak 1	0.75 ug/mL
							PCB-1262 Peak 2	0.75 ug/mL
							PCB-1262 Peak 3	0.75 ug/mL
							PCB-1262 Peak 4	0.75 ug/mL
							PCB-1262 Peak 5	0.75 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22		Accustandard, Lot 212061306		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14		accustandard, Lot B4010239		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
.AR_1232_ACC_00007	06/25/22		Accustandard, Lot 212061306		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
.AR_1262_ACC_00007	01/23/14		accustandard, Lot B4010239		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_4268_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1242_RESss_00001	25 uL	PCB-1242	250 ng/mL
							PCB-1242 Peak 1	250 ng/mL
							PCB-1242 Peak 2	250 ng/mL
							PCB-1242 Peak 3	250 ng/mL
							PCB-1242 Peak 4	250 ng/mL
							PCB-1242 Peak 5	250 ng/mL
.AR_1242_RESss_00001	08/22/14		RESTEK, Lot A095785		(Purchased Reagent)		PCB-1242	1000 ug/mL
							PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
AR_4268_L1_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	0.25 mL	PCB-1242 Peak 1	0.025 ug/mL
							PCB-1242 Peak 2	0.025 ug/mL
							PCB-1242 Peak 3	0.025 ug/mL
							PCB-1242 Peak 4	0.025 ug/mL
							PCB-1242 Peak 5	0.025 ug/mL
							PCB-1268 Peak 1	0.025 ug/mL
							PCB-1268 Peak 2	0.025 ug/mL
							PCB-1268 Peak 3	0.025 ug/mL
							PCB-1268 Peak 4	0.025 ug/mL
							PCB-1268 Peak 5	0.025 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L2_00009	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
							PCB-1268 Peak 1	0.05 ug/mL
							PCB-1268 Peak 2	0.05 ug/mL
							PCB-1268 Peak 3	0.05 ug/mL
							PCB-1268 Peak 4	0.05 ug/mL
							PCB-1268 Peak 5	0.05 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L3_00009	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							PCB-1242 Peak 5	0.1 ug/mL
							PCB-1268 Peak 1	0.1 ug/mL
							PCB-1268 Peak 2	0.1 ug/mL
							PCB-1268 Peak 3	0.1 ug/mL
							PCB-1268 Peak 4	0.1 ug/mL
							PCB-1268 Peak 5	0.1 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L4_00012	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	2.5 mL	PCB-1242 Peak 1	0.25 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 2	0.25 ug/mL
							PCB-1242 Peak 3	0.25 ug/mL
							PCB-1242 Peak 4	0.25 ug/mL
							PCB-1242 Peak 5	0.25 ug/mL
							PCB-1268 Peak 1	0.25 ug/mL
							PCB-1268 Peak 2	0.25 ug/mL
							PCB-1268 Peak 3	0.25 ug/mL
							PCB-1268 Peak 4	0.25 ug/mL
							PCB-1268 Peak 5	0.25 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21	Accustandard, Lot 212101235			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19	Accustandard, Lot 209091091			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
							PCB-1268 Peak 1	0.5 ug/mL
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
							PCB-1268 Peak 5	0.5 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L6_00007	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	7.5 mL	PCB-1242 Peak 1	0.75 ug/mL
							PCB-1242 Peak 2	0.75 ug/mL
							PCB-1242 Peak 3	0.75 ug/mL
							PCB-1242 Peak 4	0.75 ug/mL
							PCB-1242 Peak 5	0.75 ug/mL
							PCB-1268 Peak 1	0.75 ug/mL
							PCB-1268 Peak 2	0.75 ug/mL
							PCB-1268 Peak 3	0.75 ug/mL
							PCB-1268 Peak 4	0.75 ug/mL
							PCB-1268 Peak 5	0.75 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
.AR_1242_ACC_00007	09/07/21	Accustandard, Lot 212101235			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
.AR_1268_ACC_00007	09/16/19	Accustandard, Lot 209091091			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
Freon_A_00001	11/29/14	05/29/13	P&T Methanol, Lot DH955	10 mL	MV-568037_00001	400 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
.MV-568037_00001	04/30/16	Restek, Lot A094928			(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	1000 ug/mL
Hg Daily Spk_00943	11/14/13	11/13/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Soil CCV_00493	11/14/13	11/13/13	1% HNO3, Lot K14036	50 mL	Hg Daily Spk_00943	2.5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00943	11/14/13	11/13/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Soil ICV_00098	11/14/13	11/13/13	1% HNO3, Lot K23022	50 mL	Hg Biwk ICV_00120	0.5 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00120	11/18/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00005	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00005	03/27/14	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
ICP CCVH_00290	01/01/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00198	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00198	01/01/14	11/05/13	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00008	10 mL	Aluminum	100 mg/L
					10000 Fe_00009	10 mL	Iron	100 mg/L
					10000 Na_00027	50 mL	Sodium	500 mg/L
..10000 Al_00008	01/01/14	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00027	09/01/14	Inorganic Ventures, Lot F2-NA03103			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVH_00292	01/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00199	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00199	01/01/14	11/11/13	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00008	10 mL	Aluminum	100 mg/L

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					10000 Fe_00009	10 mL	Iron	100 mg/L
					10000 Na_00027	50 mL	Sodium	500 mg/L
..10000 Al_00008	01/01/14	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00027	09/01/14	Inorganic Ventures, Lot F2-NA03103			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVL_00346	02/28/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00329	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00329	03/01/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Sb_00008	1 mL	Antimony	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					1000 Tl_00007	1 mL	Thallium	2 mg/L
					Icp cal std 2_00007	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00007	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00008	05/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00007	08/01/14	Inorganic Ventures, Lot E2-TL01124			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485102			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP CCVL_00347	02/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00330	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00330	03/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Sb_00008	1 mL	Antimony	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					1000 Tl_00007	1 mL	Thallium	2 mg/L
					Icp cal std 2_00007	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00007	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00008	05/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00007	08/01/14	Inorganic Ventures, Lot E2-TL01124			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485102			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP ICSA_00078	02/01/14	10/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSA_00079	02/01/14	10/28/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSAB_00074	12/30/13	11/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	1000 Zr_00005	0.25 mL	Zr	1 mg/L
					10000 Si_00008	0.25 mL	Si	10 mg/L
							SiO2	21.4 mg/L
					10000 Th_00004	0.05 mL	Th	2 mg/L
					ANALYTES B_00006	2.5 mL	Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Lead	1 mg/L
							Manganese	0.5 mg/L
							Nickel	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	1 mg/L
							Vanadium	0.5 mg/L
							Zinc	1 mg/L
					ICP ISAB 1B_00005	2.5 mL	Thallium	10 mg/L
					ICP ISAB STD1_00005	2.5 mL	Antimony	1 mg/L
							Arsenic	2 mg/L
							Boron	2 mg/L
							Li	1 mg/L
							Molybdenum	1 mg/L
							P	2 mg/L
							Potassium	50 mg/L
							Selenium	5 mg/L
							Sodium	50 mg/L
							Strontium	1 mg/L
					ICP ISAB STD2_00005	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.1000 Zr_00005	04/01/14		Spex, Lot F2-ZR01094		(Purchased Reagent)		Zr	1000 mg/L
.10000 Si_00008	04/01/14		Inorganic ventures, Lot F2-SI03018		(Purchased Reagent)		Si	10000 mg/L
							SiO2	21400 mg/L
.10000 Th_00004	01/01/14		Inorganic Ventures, Lot D2-TH01080		(Purchased Reagent)		Th	10000 mg/L
.ANALYTES B_00006	12/30/13		SPEX, Lot 7-166YPY		(Purchased Reagent)		Barium	50 mg/L
							Beryllium	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Cobalt	50 mg/L
							Copper	50 mg/L
							Lead	100 mg/L
							Manganese	50 mg/L
							Nickel	100 mg/L
							Silver	100 mg/L
							Vanadium	50 mg/L
							Zinc	100 mg/L
.ICP ISAB 1B_00005	04/11/14		High Purity, Lot 1309814		(Purchased Reagent)		Thallium	1000 mg/L
.ICP ISAB STD1_00005	04/11/14		High Purity, Lot 1309813		(Purchased Reagent)		Antimony	100 mg/L
							Arsenic	200 mg/L
							Boron	200 mg/L
							Li	100 mg/L
							Molybdenum	100 mg/L
							P	200 mg/L
							Potassium	5000 mg/L
							Selenium	500 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
.ICP ISAB STD2_00005	04/11/14		High Purity, Lot 1309815		(Purchased Reagent)		Sn	1000 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ti	100 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICVH_00122	01/02/14	10/31/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00101	2 mL	Aluminum	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00101	01/02/14	High Purity, Lot 1236313			(Purchased Reagent)		Aluminum	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
ICP ICVH_00123	01/02/14	11/14/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00101	2 mL	Aluminum	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00101	01/02/14	High Purity, Lot 1236313			(Purchased Reagent)		Aluminum	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
ICP ICVL_00104	03/07/14	11/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00005	2 mL	Aluminum	0.25 mg/L
							Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Beryllium	0.25 mg/L
							Boron	0.25 mg/L
							Cadmium	0.25 mg/L
							Calcium	2 mg/L
							Chromium	0.25 mg/L
							Cobalt	0.25 mg/L
							Copper	0.25 mg/L
							Iron	0.25 mg/L
							Lead	0.25 mg/L
							Magnesium	10 mg/L
							Manganese	0.25 mg/L
							Nickel	0.25 mg/L
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Sodium	2 mg/L
							Strontium	0.25 mg/L
							Thallium	0.5 mg/L
							Vanadium	0.25 mg/L
							Zinc	0.25 mg/L
					Icp ICVL B_00005	2 mL	Antimony	0.25 mg/L
							Molybdenum	0.25 mg/L
							Silver	0.25 mg/L
.Icp ICVL A_00005	03/07/14	High Purity, Lot 1306335			(Purchased Reagent)		Aluminum	25 mg/L
							Arsenic	25 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	25 mg/L
							Beryllium	25 mg/L
							Boron	25 mg/L
							Cadmium	25 mg/L
							Calcium	200 mg/L
							Chromium	25 mg/L
							Cobalt	25 mg/L
							Copper	25 mg/L
							Iron	25 mg/L
							Lead	25 mg/L
							Magnesium	1000 mg/L
							Manganese	25 mg/L
							Nickel	25 mg/L
							Potassium	2000 mg/L
							Selenium	50 mg/L
							Sodium	200 mg/L
							Strontium	25 mg/L
							Thallium	50 mg/L
							Vanadium	25 mg/L
							Zinc	25 mg/L
.Icp ICVL B_00005	03/07/14		HIGH PURITY, Lot 1306324		(Purchased Reagent)		Antimony	25 mg/L
							Molybdenum	25 mg/L
							Silver	25 mg/L
ICP LLCCV_01011	11/09/13	11/08/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01012	11/12/13	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01015	11/15/13	11/14/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP RL STD_01033	11/09/13	11/08/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Selenium	0.01 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Selenium	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01034	11/12/13	11/11/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vanadium	0.01 mg/L
							Zinc	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Selenium	0.01 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Selenium	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01037	11/15/13	11/14/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Thallium	10 mg/L
ICP SPK 2A_00066	10/01/14	Inorganic Ventures, Lot G2-MEB477031			(Purchased Reagent)		Antimony	50 mg/L
							Boron	100 mg/L
							Molybdenum	100 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00070	11/01/14	Inorganic Ventures, Lot G2-MEB491084			(Purchased Reagent)		Aluminum	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Beryllium	5 mg/L
							Bi	200 mg/L
							Cadmium	10 mg/L
							Calcium	5000 mg/L
							Chromium	20 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	50 mg/L
							Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L
							Nickel	50 mg/L
							P	1000 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							U	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L
MS-AP9A010_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	25 uL	1,3,5-Trinitrobenzene	10 ug/mL
							1,4-Dinitrobenzene	10 ug/mL
							1-Naphthylamine	10 ug/mL
							2-Acetylaminofluorene	10 ug/mL
							2-Naphthylamine	10 ug/mL
							2-Picoline	10 ug/mL
							2-Toluidine	10 ug/mL
							3,3'-Dimethylbenzidine	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Aminobiphenyl	10 ug/mL
							4-Nitroquinoline-1-oxide	10 ug/mL
							alpha,alpha-Dimethyl phenethylamine	10 ug/mL
							Diphenylamine	10 ug/mL
							N-Nitro-o-toluidine	10 ug/mL
							N-Nitrosodi-n-butylamine	10 ug/mL
							N-Nitrosodiethylamine	10 ug/mL
							N-Nitrosomethylethylamine	10 ug/mL
							N-Nitrosomorpholine	10 ug/mL
							N-Nitrosopiperidine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
							p-Dimethylamino azobenzene	10 ug/mL
							p-Phenylene diamine	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenacetin	10 ug/mL
							Pronamide	10 ug/mL
							1,4-Naphthoquinone	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Chlorobenzilate	10 ug/mL
							Ethyl methanesulfonate	10 ug/mL
							Hexachloropropene	10 ug/mL
							Isodrin	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							Pentachlorobenzene	10 ug/mL
							Pentachloroethane	10 ug/mL
							3-Methylcholanthrene	10 ug/mL
							Aramite Peak 1	4.61 ug/mL
							Aramite Peak 2	5.39 ug/mL
							Diallate Peak 1	8.82 ug/mL
							Diallate Peak 2	1.18 ug/mL
							Dimethoate	10 ug/mL
							Disulfoton	10 ug/mL
							Ethyl Parathion	10 ug/mL
							Methyl parathion	10 ug/mL
							o,o',o''-Triethylphosphorothioate	10 ug/mL
							Phorate	10 ug/mL
							Safrole, Total	10 ug/mL
							Sulfotepp	10 ug/mL
							Thionazin	10 ug/mL
							Methapyrilene	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A020_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	50 uL	1,3,5-Trinitrobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Naphthylamine	20 ug/mL
							2-Acetylaminofluorene	20 ug/mL
							2-Naphthylamine	20 ug/mL
							2-Picoline	20 ug/mL
							2-Toluidine	20 ug/mL
							3,3'-Dimethylbenzidine	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Aminobiphenyl	20 ug/mL
							4-Nitroquinoline-1-oxide	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	20 ug/mL
							Diphenylamine	20 ug/mL
							N-Nitro-o-toluidine	20 ug/mL
							N-Nitrosodi-n-butylamine	20 ug/mL
							N-Nitrosodiethylamine	20 ug/mL
							N-Nitrosomethylethylamine	20 ug/mL
							N-Nitrosomorpholine	20 ug/mL
							N-Nitrosopiperidine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
							p-Dimethylamino azobenzene	20 ug/mL
							p-Phenylene diamine	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenacetin	20 ug/mL
							Pronamide	20 ug/mL
							1,4-Naphthoquinone	20 ug/mL
							1-Chloronaphthalene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Hexachloropropene	20 ug/mL
							Isodrin	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							Pentachlorobenzene	20 ug/mL
							Pentachloroethane	20 ug/mL
							3-Methylcholanthrene	20 ug/mL
							Aramite Peak 1	9.22 ug/mL
							Aramite Peak 2	10.78 ug/mL
							Diallate Peak 1	17.64 ug/mL
							Diallate Peak 2	2.36 ug/mL
							Dimethoate	20 ug/mL
							Disulfoton	20 ug/mL
							Ethyl Parathion	20 ug/mL
							Methyl parathion	20 ug/mL
							o,o',o''-Triethylphosphorothioate	20 ug/mL
							Phorate	20 ug/mL
							Safrole, Total	20 ug/mL
							Sulfotepp	20 ug/mL
							Thionazin	20 ug/mL
							Methapyrilene	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A050_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	125 uL	1,3,5-Trinitrobenzene	50 ug/mL
							1,4-Dinitrobenzene	50 ug/mL
							1-Naphthylamine	50 ug/mL
							2-Acetylaminofluorene	50 ug/mL
							2-Naphthylamine	50 ug/mL
							2-Picoline	50 ug/mL
							2-Toluidine	50 ug/mL
							3,3'-Dimethylbenzidine	50 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	50 ug/mL
							4-Aminobiphenyl	50 ug/mL
							4-Nitroquinoline-1-oxide	50 ug/mL
							alpha,alpha-Dimethyl phenethylamine	50 ug/mL
							Diphenylamine	50 ug/mL
							N-Nitro-o-toluidine	50 ug/mL
							N-Nitrosodi-n-butylamine	50 ug/mL
							N-Nitrosodiethylamine	50 ug/mL
							N-Nitrosomethylethylamine	50 ug/mL
							N-Nitrosomorpholine	50 ug/mL
							N-Nitrosopiperidine	50 ug/mL
							N-Nitrosopyrrolidine	50 ug/mL
							p-Dimethylamino azobenzene	50 ug/mL
							p-Phenylene diamine	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL
							Phenacetin	50 ug/mL
							Pronamide	50 ug/mL
							1,4-Naphthoquinone	50 ug/mL
							1-Chloronaphthalene	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							7,12-Dimethylbenz(a)anthracene	50 ug/mL
							Chlorobenzilate	50 ug/mL
							Ethyl methanesulfonate	50 ug/mL
							Hexachloropropene	50 ug/mL
							Isodrin	50 ug/mL
							Methyl methanesulfonate	50 ug/mL
							Pentachlorobenzene	50 ug/mL
							Pentachloroethane	50 ug/mL
							3-Methylcholanthrene	50 ug/mL
							Aramite Peak 1	23.05 ug/mL
							Aramite Peak 2	26.95 ug/mL
							Diallate Peak 1	44.1 ug/mL
							Diallate Peak 2	5.9 ug/mL
							Dimethoate	50 ug/mL
							Disulfoton	50 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	50 ug/mL
							Methyl parathion	50 ug/mL
							o,o',o''-Triethylphosphorothioate	50 ug/mL
							Phorate	50 ug/mL
							Safrole, Total	50 ug/mL
							Sulfotepp	50 ug/mL
							Thionazin	50 ug/mL
							Methapyrilene	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A080_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	200 uL	1,3,5-Trinitrobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Naphthylamine	80 ug/mL
							2-Acetylaminofluorene	80 ug/mL
							2-Naphthylamine	80 ug/mL
							2-Picoline	80 ug/mL
							2-Toluidine	80 ug/mL
							3,3'-Dimethylbenzidine	80 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	80 ug/mL
							4-Aminobiphenyl	80 ug/mL
							4-Nitroquinoline-1-oxide	80 ug/mL
							alpha,alpha-Dimethyl phenethylamine	80 ug/mL
							Diphenylamine	80 ug/mL
							N-Nitro-o-toluidine	80 ug/mL
							N-Nitrosodi-n-butylamine	80 ug/mL
							N-Nitrosodiethylamine	80 ug/mL
							N-Nitrosomethylethylamine	80 ug/mL
							N-Nitrosomorpholine	80 ug/mL
							N-Nitrosopiperidine	80 ug/mL
							N-Nitrosopyrrolidine	80 ug/mL
							p-Dimethylamino azobenzene	80 ug/mL
							p-Phenylene diamine	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenacetin	80 ug/mL
							Pronamide	80 ug/mL
							1,4-Naphthoquinone	80 ug/mL
							1-Chloronaphthalene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	80 ug/mL
							Chlorobenzilate	80 ug/mL
							Ethyl methanesulfonate	80 ug/mL
							Hexachloropropene	80 ug/mL
							Isodrin	80 ug/mL
							Methyl methanesulfonate	80 ug/mL
							Pentachlorobenzene	80 ug/mL
							Pentachloroethane	80 ug/mL
							3-Methylcholanthrene	80 ug/mL
							Aramite Peak 1	36.88 ug/mL
							Aramite Peak 2	43.12 ug/mL
							Diallate Peak 1	70.56 ug/mL
							Diallate Peak 2	9.44 ug/mL
							Dimethoate	80 ug/mL
							Disulfoton	80 ug/mL
							Ethyl Parathion	80 ug/mL
							Methyl parathion	80 ug/mL
							o,o',o''-Triethylphosphorothioate	80 ug/mL
							Phorate	80 ug/mL
							Safrole, Total	80 ug/mL
							Sulfotepp	80 ug/mL
							Thionazin	80 ug/mL
							Methapyrilene	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A120_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	300 uL	1,3,5-Trinitrobenzene	120 ug/mL
							1,4-Dinitrobenzene	120 ug/mL
							1-Naphthylamine	120 ug/mL
							2-Acetylaminofluorene	120 ug/mL
							2-Naphthylamine	120 ug/mL
							2-Picoline	120 ug/mL
							2-Toluidine	120 ug/mL
							3,3'-Dimethylbenzidine	120 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	120 ug/mL
							4-Aminobiphenyl	120 ug/mL
							4-Nitroquinoline-1-oxide	120 ug/mL
							alpha,alpha-Dimethyl phenethylamine	120 ug/mL
							Diphenylamine	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	120 ug/mL
							N-Nitrosodi-n-butylamine	120 ug/mL
							N-Nitrosodiethylamine	120 ug/mL
							N-Nitrosomethylethylamine	120 ug/mL
							N-Nitrosomorpholine	120 ug/mL
							N-Nitrosopiperidine	120 ug/mL
							N-Nitrosopyrrolidine	120 ug/mL
							p-Dimethylamino azobenzene	120 ug/mL
							p-Phenylene diamine	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenacetin	120 ug/mL
							Pronamide	120 ug/mL
							1,4-Naphthoquinone	120 ug/mL
							1-Chloronaphthalene	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							7,12-Dimethylbenz(a)anthracene	120 ug/mL
							Chlorobenzilate	120 ug/mL
							Ethyl methanesulfonate	120 ug/mL
							Hexachloropropene	120 ug/mL
							Isodrin	120 ug/mL
							Methyl methanesulfonate	120 ug/mL
							Pentachlorobenzene	120 ug/mL
							Pentachloroethane	120 ug/mL
							3-Methylcholanthrene	120 ug/mL
							Aramite Peak 1	55.32 ug/mL
							Aramite Peak 2	64.68 ug/mL
							Diallate Peak 1	105.84 ug/mL
							Diallate Peak 2	14.16 ug/mL
							Dimethoate	120 ug/mL
							Disulfoton	120 ug/mL
							Ethyl Parathion	120 ug/mL
							Methyl parathion	120 ug/mL
							o,o',o''-Triethylphosphorothioate	120 ug/mL
							Phorate	120 ug/mL
							Safrole, Total	120 ug/mL
							Sulfotepp	120 ug/mL
							Thionazin	120 ug/mL
							Methapyrilene	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MS-AP9A160_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	400 uL	1,3,5-Trinitrobenzene	160 ug/mL
							1,4-Dinitrobenzene	160 ug/mL
							1-Naphthylamine	160 ug/mL
							2-Acetylaminofluorene	160 ug/mL
							2-Naphthylamine	160 ug/mL
							2-Picoline	160 ug/mL
							2-Toluidine	160 ug/mL
							3,3'-Dimethylbenzidine	160 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	160 ug/mL
							4-Aminobiphenyl	160 ug/mL
							4-Nitroquinoline-1-oxide	160 ug/mL
							alpha,alpha-Dimethyl phenethylamine	160 ug/mL
							Diphenylamine	160 ug/mL
							N-Nitro-o-toluidine	160 ug/mL
							N-Nitrosodi-n-butylamine	160 ug/mL
							N-Nitrosodiethylamine	160 ug/mL
							N-Nitrosomethylethylamine	160 ug/mL
							N-Nitrosomorpholine	160 ug/mL
							N-Nitrosopiperidine	160 ug/mL
							N-Nitrosopyrrolidine	160 ug/mL
							p-Dimethylamino azobenzene	160 ug/mL
							p-Phenylene diamine	160 ug/mL
							Pentachloronitrobenzene	160 ug/mL
							Phenacetin	160 ug/mL
							Pronamide	160 ug/mL
							1,4-Naphthoquinone	160 ug/mL
							1-Chloronaphthalene	160 ug/mL
							2,6-Dichlorophenol	160 ug/mL
							7,12-Dimethylbenz(a)anthracene	160 ug/mL
							Chlorobenzilate	160 ug/mL
							Ethyl methanesulfonate	160 ug/mL
							Hexachloropropene	160 ug/mL
							Isodrin	160 ug/mL
							Methyl methanesulfonate	160 ug/mL
							Pentachlorobenzene	160 ug/mL
							Pentachloroethane	160 ug/mL
							3-Methylcholanthrene	160 ug/mL
							Aramite Peak 1	73.76 ug/mL
							Aramite Peak 2	86.24 ug/mL
							Diallate Peak 1	141.12 ug/mL
							Diallate Peak 2	18.88 ug/mL
							Dimethoate	160 ug/mL
							Disulfoton	160 ug/mL
							Ethyl Parathion	160 ug/mL
							Methyl parathion	160 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	160 ug/mL
							Phorate	160 ug/mL
							Safrole, Total	160 ug/mL
							Sulfotepp	160 ug/mL
							Thionazin	160 ug/mL
							Methapyrilene	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A200_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	500 uL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
							Methapyrilene	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9ACCV080_00005	04/04/14	10/30/13	Methylene Chloride, Lot 42358	0.5 mL	MS-AP9A_STK_00004	200 uL	N-Nitrosopyrrolidine	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
.MS-AP9A_STK_00004	10/30/14	10/30/13	Methylene Chloride, Lot 42358	10 mL	MS-567678_00004	2 mL	N-Nitrosopyrrolidine	200 ug/mL
					MS-567679_00005	2 mL	2,6-Dichlorophenol	200 ug/mL
..MS-567678_00004	02/28/15		Restek, Lot A093629		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
..MS-567679_00005	02/28/15		Restek, Lot A093658		(Purchased Reagent)		2,6-Dichlorophenol	1000 ug/mL
MS-AP9B1SSV_00001	04/04/14	05/15/13	Methylene Chloride, Lot 31650	0.5 mL	MS-AP9B1_STK_00001	250 uL	2,6-Dichlorophenol	100 ug/mL
.MS-AP9B1_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567679SEC_00001	2 mL	2,6-Dichlorophenol	200 ug/mL
..MS-567679SEC_00001	03/31/15		Restek, Lot A093864		(Purchased Reagent)		2,6-Dichlorophenol	1000 ug/mL
MS-AP9B3SSV_00002	04/04/14	08/06/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9B3_STK_00002	250 uL	N-Nitrosopyrrolidine	100 ug/mL
.MS-AP9B3_STK_00002	05/14/14	05/14/13	Methylene Chloride, Lot 31650	10 mL	MS-567678SEC_00001	2 mL	N-Nitrosopyrrolidine	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567678SEC_00001	04/30/15	Restek, Lot A095060			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
MS-BZHDA-CCV_00003	04/04/14	10/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-BZHDA_STK_00001	250 uL	Benzaldehyde	100 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
MS-BZHDA010_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	25 uL	Benzaldehyde	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA020_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	50 uL	Benzaldehyde	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA050_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	125 uL	Benzaldehyde	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA080_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	200 uL	Benzaldehyde	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA120_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	300 uL	Benzaldehyde	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA160_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	400 uL	Benzaldehyde	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA200_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	500 uL	Benzaldehyde	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDB-SSV_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDB_STK_00001	250 uL	Benzaldehyde	100 ug/mL
.MS-BZHDB_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677SEC_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677SEC_00001	08/30/14		Restek, Lot A093656		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
MS-HSLA004_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	10 uL	2,4,6-Tribromophenol (Surr)	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol (Surr)	4 ug/mL
							Nitrobenzene-d5 (Surr)	4 ug/mL
							Phenol-d5 (Surr)	4 ug/mL
							Terphenyl-d14 (Surr)	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4.0439 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,3-Dinitrobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Atrazine	4 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	4 ug/mL
							Caprolactam	4 ug/mL
							Benzoic acid	8 ug/mL
							Famphur	4 ug/mL
							Alachlor	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA010_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	25 uL	2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10.1097 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							Caprolactam	10 ug/mL
							Benzoic acid	20 ug/mL
							Famphur	10 ug/mL
							Alachlor	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA020_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	50 uL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20.2195 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							Caprolactam	20 ug/mL
							Benzoic acid	40 ug/mL
							Famphur	20 ug/mL
							Alachlor	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA050_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	125 uL	2,4,6-Tribromophenol (Surr)	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	50 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
							1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50.5487 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Atrazine	50 ug/mL
							Benzidine	50 ug/mL
							Caprolactam	50 ug/mL
							Benzoic acid	100 ug/mL
							Famphur	50 ug/mL
							Alachlor	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA080_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							Famphur	80 ug/mL
							Alachlor	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA120_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	300 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
							1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	121.317 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,3-Dinitrobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	120 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Atrazine	120 ug/mL
							Benzidine	120 ug/mL
							Caprolactam	120 ug/mL
							Benzoic acid	240 ug/mL
							Famphur	120 ug/mL
							Alachlor	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14	Restek, Lot A093709			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA160_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	400 uL	2,4,6-Tribromophenol (Surr)	160 ug/mL
							2-Fluorobiphenyl	160 ug/mL
							2-Fluorophenol (Surr)	160 ug/mL
							Nitrobenzene-d5 (Surr)	160 ug/mL
							Phenol-d5 (Surr)	160 ug/mL
							Terphenyl-d14 (Surr)	160 ug/mL
							1,1'-Biphenyl	160 ug/mL
							1,2,4,5-Tetrachlorobenzene	160 ug/mL
							1,2,4-Trichlorobenzene	160 ug/mL
							1,2-Dichlorobenzene	160 ug/mL
							1,2-Diphenylhydrazine	161.756 ug/mL
							1,3-Dichlorobenzene	160 ug/mL
							1,3-Dinitrobenzene	160 ug/mL
							1,4-Dichlorobenzene	160 ug/mL
							1,4-Dioxane	160 ug/mL
							1-Methylnaphthalene	160 ug/mL
							2,2'-oxybis[1-chloropropane]	160 ug/mL
							2,3,4,6-Tetrachlorophenol	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	160 ug/mL
							2,4,6-Trichlorophenol	160 ug/mL
							2,4-Dichlorophenol	160 ug/mL
							2,4-Dimethylphenol	160 ug/mL
							2,4-Dinitrophenol	320 ug/mL
							2,4-Dinitrotoluene	160 ug/mL
							2,6-Dinitrotoluene	160 ug/mL
							2-Chloronaphthalene	160 ug/mL
							2-Chlorophenol	160 ug/mL
							2-Methylnaphthalene	160 ug/mL
							2-Methylphenol	160 ug/mL
							2-Nitroaniline	160 ug/mL
							2-Nitrophenol	160 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3-Nitroaniline	160 ug/mL
							4,6-Dinitro-2-methylphenol	320 ug/mL
							4-Bromophenyl phenyl ether	160 ug/mL
							4-Chloro-3-methylphenol	160 ug/mL
							4-Chloroaniline	160 ug/mL
							4-Chlorophenyl phenyl ether	160 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	160 ug/mL
							4-Nitrophenol	320 ug/mL
							Acenaphthene	160 ug/mL
							Acenaphthylene	160 ug/mL
							Acetophenone	160 ug/mL
							Aniline	160 ug/mL
							Anthracene	160 ug/mL
							Azobenzene	160 ug/mL
							Benzo[a]anthracene	160 ug/mL
							Benzo[a]pyrene	160 ug/mL
							Benzo[b]fluoranthene	160 ug/mL
							Benzo[g,h,i]perylene	160 ug/mL
							Benzo[k]fluoranthene	160 ug/mL
							Benzyl alcohol	160 ug/mL
							Bis(2-chloroethoxy)methane	160 ug/mL
							Bis(2-chloroethyl)ether	160 ug/mL
							Bis(2-ethylhexyl) phthalate	160 ug/mL
							Butyl benzyl phthalate	160 ug/mL
							Carbazole	160 ug/mL
							Chrysene	160 ug/mL
							Di-n-butyl phthalate	160 ug/mL
							Di-n-octyl phthalate	160 ug/mL
							Dibenz(a,h)anthracene	160 ug/mL
							Dibenzofuran	160 ug/mL
							Diethyl phthalate	160 ug/mL
							Dimethyl phthalate	160 ug/mL
							Fluoranthene	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	160 ug/mL
							Hexachlorobenzene	160 ug/mL
							Hexachlorobutadiene	160 ug/mL
							Hexachlorocyclopentadiene	160 ug/mL
							Hexachloroethane	160 ug/mL
							Indeno[1,2,3-cd]pyrene	160 ug/mL
							Isophorone	160 ug/mL
							N-Nitrosodi-n-propylamine	160 ug/mL
							N-Nitrosodimethylamine	160 ug/mL
							Naphthalene	160 ug/mL
							Nitrobenzene	160 ug/mL
							Pentachlorophenol	320 ug/mL
							Phenanthrene	160 ug/mL
							Phenol	160 ug/mL
							Pyrene	160 ug/mL
							Pyridine	160 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL
							Atrazine	160 ug/mL
							Benzidine	160 ug/mL
							Caprolactam	160 ug/mL
							Benzoic acid	320 ug/mL
							Famphur	160 ug/mL
							Alachlor	160 ug/mL
							N-Nitrosodiphenylamine	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA200_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	500 uL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
							1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
							Benzoic acid	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Famphur	200 ug/mL
							Alachlor	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568023_00003	1 mL	Famphur	200 ug/mL
					MS-568033_00001	0.5 mL	Alachlor	200 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00008	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00009	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00010	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00011	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00012	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00013	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00014	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00015	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-567684_00001	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00002	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00003	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00004	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00005	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00006	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00007	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00008	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLACCV080_00006	04/04/14	10/18/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Anthracene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
MS-HSLB1B3SSV_00001	04/04/14	09/03/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLB1_STK_00002	250 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	101.097 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	72 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Benzoic acid	200 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
.MS-HSLB1_STK_00002	08/31/14	09/03/13	Methylene Chloride, Lot 42358	10 mL	MS-567672SEC_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	144 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
					MS-567674SEC_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567676SEC_00001	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..MS-567672SEC_00001	08/31/14		Restek, Lot A094002		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	720 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-567674SEC_00001	02/29/16		Restek, Lot A093654		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567676SEC_00001	02/28/15		Restek, Lot A093671		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
MS-HSLB2SSV_00001	04/04/14	05/15/13	Methylene Chloride, Lot 31650	0.5 mL	MS-HSLB2_STK_00001	250 uL	3,3'-Dichlorobenzidine	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							Caprolactam	100 ug/mL
.MS-HSLB2_STK_00001	04/29/14	04/29/13	Methylene Chloride, Lot 14960	10 mL	MS-567673SEC_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
..MS-567673SEC_00001	08/31/14		Restek, Lot A093775		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
MV-2 Cleve_00016	04/15/14	10/15/13	P&T Methanol, Lot 49909	25 mL	MV-861206_00021	500 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-861206_00021	05/31/14		Supelco, Lot LB85080		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-567649-D_00001	02/28/18		RESTEK, Lot A093504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
MV-ARCH SS A_00010	02/28/14	08/28/13	P&T Methanol, Lot 38701	100 mL	MV-567650_00012	10 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MV-567650_00012	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MV-Gas/Ket A_00013	01/31/14	10/19/13	P&T Methanol, Lot 49909	15 mL	MV-567642_00009	240 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	160 ug/mL
					MV-567645_00005	300 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-567648_00016	1200 uL	Cyclohexanone	1600 ug/mL
.MV-567642_00009	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645_00005	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-567648_00016	02/29/16		RESTEK, Lot A093361		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
MV-Gas/Ket B_00007	03/23/14	09/23/13	P&T Methanol, Lot 38707	10 mL	MV-567642.sec_00011	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567645.sec_00014	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-567642.sec_00011	02/28/16		RESTEK, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645.sec_00014	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-Main A_00007	11/30/13	08/15/13	P&T Methanol, Lot 38701	10 mL	MV-567641_00008	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							2-Methyl-2-propanol	400 ug/mL
							3-Chloro-1-propene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Acrylonitrile	400 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexane	40 ug/mL
							Iodomethane	40 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Tetrahydrofuran	80 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-567646.sec_00005	200 uL	Vinyl acetate	80 ug/mL
					MV-568034_00003	400 uL	1-Chlorohexane	40 ug/mL
							2-Pentanone	160 ug/mL
							sec-Butyl Alcohol	1200 ug/mL
.MV-567641_00008	12/31/15		RESTEK, Lot A092262		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-567646.sec_00005	11/30/13		RESTEK, Lot A096669		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
.MV-568034_00003	05/14/14		RESTEK, Lot A094874		(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
							2-Pentanone	4000 ug/mL
							sec-Butyl Alcohol	30000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MV-Main B_00002	12/31/13	09/03/13	P&T Methanol, Lot 38701	10 mL	MV-567641.sec_00006	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-568034.sec_00006	400 uL	1-Chlorohexane	40 ug/mL
.MV-567641.sec_00006	02/29/16		RESTEK, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-568034.sec_00006	10/31/14	RESTEK, Lot A094981.sec			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
MV-Supp A_00004	11/15/13	05/15/13	P&T Methanol, Lot dh755	10 mL	MV-567647_00003	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
							2-Nitropropane	80 ug/mL
							Acetonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Ethyl acetate	80 ug/mL
							Isopropyl alcohol	400 ug/mL
							Isopropyl ether	40 ug/mL
							Methacrylonitrile	400 ug/mL
							Methyl methacrylate	80 ug/mL
							Propionitrile	400 ug/mL
							Tert-amyl methyl ether	40 ug/mL
							Tert-butyl ethyl ether	40 ug/mL
					MV-568035_00001	400 uL	Propene oxide	2000 ug/mL
					MV-568035_00002	400 uL	Propene oxide	2000 ug/mL
					MV-568036_00001	400 uL	cis-1,4-Dichloro-2-butene	40 ug/mL
.MV-567647_00003	08/30/14	RESTEK, Lot A093634			(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	4000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.MV-568035_00001	04/30/14		RESTEK, Lot A094880		(Purchased Reagent)		Propene oxide	25000 ug/mL
.MV-568035_00002	04/30/14		RESTEK, Lot A094880		(Purchased Reagent)		Propene oxide	25000 ug/mL
.MV-568036_00001	10/31/14		RESTEk, Lot A094886		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	1000 ug/mL

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB Building 3

TestAmerica Job ID: 280-48486-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	ELAP	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAP	4	E87667
TestAmerica Denver	Illinois	NELAP	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAP	7	E-10166
TestAmerica Denver	Louisiana	NELAP	6	02096
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAP	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAP	1	205310
TestAmerica Denver	New Jersey	NELAP	2	CO004
TestAmerica Denver	New Mexico	State Program	6	CO00026
TestAmerica Denver	New York	NELAP	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAP	10	CO200001
TestAmerica Denver	Pennsylvania	NELAP	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Texas	NELAP	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-13-00202
TestAmerica Denver	Utah	NELAP	8	CO000262012-4
TestAmerica Denver	Virginia	NELAP	3	460232
TestAmerica Denver	Washington	State Program	10	C583
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 (75.5 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
AOI474BF	280-48486-1	96	93	100	103
	MB 280-198393/1-A	91	87	93	93
	LCS 280-198393/2-A	91	86	90	89
AOI474BF MS	280-48486-1 MS	91	85	94	90
AOI474BF MSD	280-48486-1 MSD	91	88	92	96

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9002.D

Lab ID: LCS 280-198393/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	47.1	94	75-125	
1,1,1-Trichloroethane	50.0	47.5	95	70-135	
1,1,2,2-Tetrachloroethane	50.0	45.9	92	55-130	
1,1,2-Trichloroethane	50.0	46.7	93	60-125	
1,1-Dichloroethane	50.0	46.5	93	75-125	
1,1-Dichloroethene	50.0	43.2	86	65-135	
1,1-Dichloropropene	50.0	51.0	102	70-135	
1,2,3-Trichlorobenzene	50.0	49.8	100	60-135	
1,2,3-Trichloropropane	50.0	45.6	91	65-130	
1,2,4-Trichlorobenzene	50.0	51.6	103	65-130	
1,2,4-Trimethylbenzene	50.0	50.5	101	65-135	
1,2-Dibromo-3-Chloropropane	50.0	43.8	88	40-135	
1,2-Dichlorobenzene	50.0	47.7	95	75-120	
1,2-Dichloroethane	50.0	43.6	87	70-135	
1,2-Dichloropropane	50.0	47.2	94	70-120	
1,3,5-Trimethylbenzene	50.0	51.7	103	65-135	
1,3-Dichlorobenzene	50.0	48.1	96	70-125	
1,3-Dichloropropane	50.0	42.2	84	75-125	
1,4-Dichlorobenzene	50.0	48.7	97	70-125	
2,2-Dichloropropane	50.0	47.5	95	65-135	
2-Butanone (MEK)	200	156	78	30-160	
2-Chlorotoluene	50.0	47.8	96	70-130	
2-Hexanone	200	147	74	45-145	
4-Chlorotoluene	50.0	48.7	97	75-125	
4-Isopropyltoluene	50.0	51.5	103	75-135	
4-Methyl-2-pentanone (MIBK)	200	145	73	45-145	
Acetone	200	149	75	20-160	
Benzene	50.0	47.9	96	75-125	
Bromobenzene	50.0	48.2	96	65-120	
Bromoform	50.0	45.5	91	55-135	
Bromomethane	50.0	33.5	67	30-160	
Carbon disulfide	50.0	48.9	98	45-160	
Carbon tetrachloride	50.0	47.0	94	65-135	
Chlorobenzene	50.0	46.3	93	75-125	
Chlorobromomethane	50.0	47.1	94	70-125	
Chlorodibromomethane	50.0	46.7	93	65-130	
Chloroethane	50.0	33.7	67	40-155	
Chloroform	50.0	45.6	91	70-125	
Chloromethane	50.0	34.7	69	50-130	
cis-1,2-Dichloroethene	50.0	48.2	96	65-125	
cis-1,3-Dichloropropene	50.0	45.8	92	70-125	
Dibromomethane	50.0	46.3	93	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9002.D

Lab ID: LCS 280-198393/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	50.0	45.6	91	70-130	
Dichlorodifluoromethane	50.0	36.6	73	35-135	
Ethylbenzene	50.0	48.0	96	75-125	
Ethylene Dibromide	50.0	41.8	84	70-125	
Hexachlorobutadiene	50.0	53.7	107	55-140	
Isopropylbenzene	50.0	49.1	98	75-130	
Methyl tert-butyl ether	50.0	46.1	92	67-119	
Methylene Chloride	50.0	47.2	94	55-140	
m-Xylene & p-Xylene	50.0	49.4	99	80-125	
Naphthalene	50.0	43.0	86	40-125	
n-Butylbenzene	50.0	52.4	105	65-140	
N-Propylbenzene	50.0	49.6	99	65-135	
o-Xylene	50.0	49.4	99	75-125	
sec-Butylbenzene	50.0	50.8	102	65-130	
Styrene	50.0	53.6	107	75-125	
tert-Butylbenzene	50.0	49.9	100	65-130	
Tetrachloroethene	50.0	46.7	93	65-140	
Toluene	50.0	51.0	102	70-125	
trans-1,2-Dichloroethene	50.0	48.5	97	65-135	
trans-1,3-Dichloropropene	50.0	47.4	95	65-125	
Trichloroethene	50.0	46.9	94	75-125	
Trichlorofluoromethane	50.0	38.2	76	25-185	
Vinyl chloride	50.0	34.2	68	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9018.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	60.6	1.1 U	57.3	94	75-125	
1,1,1-Trichloroethane	60.6	1.1 U	57.9	96	70-135	
1,1,2,2-Tetrachloroethane	60.6	1.1 U	51.9	86	55-130	
1,1,2-Trichloroethane	60.6	1.1 U	53.9	89	60-125	
1,1-Dichloroethane	60.6	0.88 U	57.5	95	75-125	
1,1-Dichloroethene	60.6	1.1 U	54.4	90	65-135	
1,1-Dichloropropene	60.6	1.1 U	60.8	100	70-135	
1,2,3-Trichlorobenzene	60.6	1.1 U	35.9	59	60-135	J
1,2,3-Trichloropropane	60.6	1.1 U	52.9	87	65-130	
1,2,4-Trichlorobenzene	60.6	1.1 U	37.1	61	65-130	J
1,2,4-Trimethylbenzene	60.6	1.1 U	55.9	92	65-135	
1,2-Dibromo-3-Chloropropane	60.6	1.1 U	46.2	76	40-135	
1,2-Dichlorobenzene	60.6	1.1 U	47.8	79	75-120	
1,2-Dichloroethane	60.6	1.1 U	52.0	86	70-135	
1,2-Dichloropropane	60.6	1.1 U	56.8	94	70-120	
1,3,5-Trimethylbenzene	60.6	1.1 U	57.4	95	65-135	
1,3-Dichlorobenzene	60.6	1.1 U	50.1	83	70-125	
1,3-Dichloropropane	60.6	1.1 U	50.3	83	75-125	
1,4-Dichlorobenzene	60.6	1.1 U	49.2	81	70-125	
2,2-Dichloropropane	60.6	1.1 U	56.9	94	65-135	
2-Butanone (MEK)	242	7.1 U	368	152	30-160	
2-Chlorotoluene	60.6	1.1 U	54.5	90	70-130	
2-Hexanone	242	11 U	161	66	45-145	
4-Chlorotoluene	60.6	1.1 U	52.7	87	75-125	
4-Isopropyltoluene	60.6	1.1 U	52.8	87	75-135	
4-Methyl-2-pentanone (MIBK)	242	11 U	154	64	45-145	
Acetone	242	11 U	160	66	20-160	
Benzene	60.6	1.1 U	57.2	94	75-125	
Bromobenzene	60.6	1.1 U	52.9	87	65-120	
Bromoform	60.6	0.88 U	52.1	86	55-135	
Bromomethane	60.6	1.1 U	37.9	62	30-160	
Carbon disulfide	60.6	1.1 U	57.8	95	45-160	
Carbon tetrachloride	60.6	1.1 U	58.1	96	65-135	
Chlorobenzene	60.6	1.1 U	53.7	89	75-125	
Chlorobromomethane	60.6	1.1 U	54.1	89	70-125	
Chlorodibromomethane	60.6	1.1 U	55.1	91	65-130	
Chloroethane	60.6	1.1 U	38.5	64	40-155	
Chloroform	60.6	1.1 U	55.0	91	70-125	
Chloromethane	60.6	1.1 U	39.9	66	50-130	
cis-1,2-Dichloroethene	60.6	1.1 U	57.7	95	65-125	
cis-1,3-Dichloropropene	60.6	2.2 U	53.7	89	70-125	
Dibromomethane	60.6	1.1 U	52.4	86	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9018.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorobromomethane	60.6	0.88 U	52.9	87	70-130	
Dichlorodifluoromethane	60.6	1.1 U	43.1	71	35-135	
Ethylbenzene	60.6	1.1 U	57.7	95	75-125	
Ethylene Dibromide	60.6	1.1 U	48.9	81	70-125	
Hexachlorobutadiene	60.6	1.1 U	35.6	59	55-140	
Isopropylbenzene	60.6	1.1 U	56.3	93	75-130	
Methyl tert-butyl ether	60.6	1.1 U	52.4	87	67-119	
Methylene Chloride	60.6	4.7 J	56.5	85	55-140	
m-Xylene & p-Xylene	60.6	2.2 U	58.4	96	80-125	
Naphthalene	60.6	1.1 U	33.7	56	40-125	
n-Butylbenzene	60.6	1.1 U	49.7	82	65-140	
N-Propylbenzene	60.6	1.1 U	55.4	91	65-135	
o-Xylene	60.6	1.1 U	57.5	95	75-125	
sec-Butylbenzene	60.6	1.1 U	53.0	88	65-130	
Styrene	60.6	1.1 U	60.5	100	75-125	
tert-Butylbenzene	60.6	1.1 U	55.3	91	65-130	
Tetrachloroethene	60.6	1.1 U	56.2	93	65-140	
Toluene	60.6	1.1 U	59.2	98	70-125	
trans-1,2-Dichloroethene	60.6	1.1 U	57.6	95	65-135	
trans-1,3-Dichloropropene	60.6	1.1 U	51.4	85	65-125	
Trichloroethene	60.6	0.88 U	55.1	91	75-125	
Trichlorofluoromethane	60.6	2.2 U	45.5	75	25-185	
Vinyl chloride	60.6	2.2 U	39.2	65	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9019.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	63.8	63.1	99	10	30	75-125	
1,1,1-Trichloroethane	63.8	66.5	104	14	30	70-135	
1,1,2,2-Tetrachloroethane	63.8	65.1	102	23	30	55-130	
1,1,2-Trichloroethane	63.8	60.9	95	12	30	60-125	
1,1-Dichloroethane	63.8	64.8	102	12	30	75-125	
1,1-Dichloroethene	63.8	62.6	98	14	30	65-135	
1,1-Dichloropropene	63.8	69.2	108	13	30	70-135	
1,2,3-Trichlorobenzene	63.8	38.6	60	7	30	60-135	
1,2,3-Trichloropropane	63.8	66.4	104	23	30	65-130	
1,2,4-Trichlorobenzene	63.8	41.3	65	11	30	65-130	
1,2,4-Trimethylbenzene	63.8	70.6	111	23	30	65-135	
1,2-Dibromo-3-Chloropropane	63.8	57.5	90	22	30	40-135	
1,2-Dichlorobenzene	63.8	58.5	92	20	30	75-120	
1,2-Dichloroethane	63.8	58.6	92	12	30	70-135	
1,2-Dichloropropane	63.8	64.0	100	12	30	70-120	
1,3,5-Trimethylbenzene	63.8	71.4	112	22	30	65-135	
1,3-Dichlorobenzene	63.8	60.7	95	19	30	70-125	
1,3-Dichloropropane	63.8	57.6	90	14	30	75-125	
1,4-Dichlorobenzene	63.8	60.3	94	20	30	70-125	
2,2-Dichloropropane	63.8	63.8	100	12	30	65-135	
2-Butanone (MEK)	255	623	244	51	30	30-160	J
2-Chlorotoluene	63.8	68.8	108	23	30	70-130	
2-Hexanone	255	223	87	33	30	45-145	J
4-Chlorotoluene	63.8	66.5	104	23	30	75-125	
4-Isopropyltoluene	63.8	67.4	106	24	30	75-135	
4-Methyl-2-pentanone (MIBK)	255	212	83	31	30	45-145	J
Acetone	255	231	91	37	30	20-160	J
Benzene	63.8	64.8	101	13	30	75-125	
Bromobenzene	63.8	67.2	105	24	30	65-120	
Bromoform	63.8	58.1	91	11	30	55-135	
Bromomethane	63.8	51.5	81	31	30	30-160	J
Carbon disulfide	63.8	65.3	102	12	30	45-160	
Carbon tetrachloride	63.8	65.1	102	11	30	65-135	
Chlorobenzene	63.8	61.0	95	13	30	75-125	
Chlorobromomethane	63.8	62.1	97	14	30	70-125	
Chlorodibromomethane	63.8	62.1	97	12	30	65-130	
Chloroethane	63.8	53.3	83	32	30	40-155	J
Chloroform	63.8	62.6	98	13	30	70-125	
Chloromethane	63.8	53.7	84	29	30	50-130	
cis-1,2-Dichloroethene	63.8	65.5	103	13	30	65-125	
cis-1,3-Dichloropropene	63.8	60.8	95	12	30	70-125	
Dibromomethane	63.8	60.6	95	15	30	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9019.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	63.8	59.9	94	12	30	70-130	
Dichlorodifluoromethane	63.8	56.9	89	28	30	35-135	
Ethylbenzene	63.8	65.4	102	12	30	75-125	
Ethylene Dibromide	63.8	56.4	88	14	30	70-125	
Hexachlorobutadiene	63.8	43.0	67	19	30	55-140	
Isopropylbenzene	63.8	71.2	112	23	30	75-130	
Methyl tert-butyl ether	63.8	62.2	97	17	30	67-119	
Methylene Chloride	63.8	65.2	95	14	30	55-140	
m-Xylene & p-Xylene	63.8	65.4	102	11	30	80-125	
Naphthalene	63.8	39.4	62	16	30	40-125	
n-Butylbenzene	63.8	60.7	95	20	30	65-140	
N-Propylbenzene	63.8	70.2	110	24	30	65-135	
o-Xylene	63.8	66.0	103	14	30	75-125	
sec-Butylbenzene	63.8	67.7	106	24	30	65-130	
Styrene	63.8	68.0	106	12	30	75-125	
tert-Butylbenzene	63.8	69.9	109	23	30	65-130	
Tetrachloroethene	63.8	62.5	98	11	30	65-140	
Toluene	63.8	67.0	105	12	30	70-125	
trans-1,2-Dichloroethene	63.8	66.1	104	14	30	65-135	
trans-1,3-Dichloropropene	63.8	57.4	90	11	30	65-125	
Trichloroethene	63.8	62.2	97	12	30	75-125	
Trichlorofluoromethane	63.8	60.4	95	28	30	25-185	
Vinyl chloride	63.8	54.6	86	33	30	60-125	J

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: J9003.D Lab Sample ID: MB 280-198393/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: VMS_J Date Analyzed: 10/29/2013 18:12

GC Column: DB-624 (75.53) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-198393/2-A	J9002.D	10/29/2013 17:51
AOI474BF	280-48486-1	J9017.D	10/29/2013 23:17
AOI474BF MS	280-48486-1 MS	J9018.D	10/29/2013 23:39
AOI474BF MSD	280-48486-1 MSD	J9019.D	10/30/2013 00:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: J8866.D BFB Injection Date: 10/21/2013

Instrument ID: VMS_J BFB Injection Time: 13:25

Analysis Batch No.: 196983

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.9	
75	30.0 - 60.0 % of mass 95	52.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	90.6	
175	5.0 - 9.0 % of mass 174	5.6	(6.1)1
176	95.0 - 101.0 % of mass 174	89.7	(99.0)1
177	5.0 - 9.0 % of mass 176	6.8	(7.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 280-196983/2	J8867.D	10/21/2013	14:09
	STD2 280-196983/3	J8868.D	10/21/2013	14:30
	STD5 280-196983/4	J8869.D	10/21/2013	14:52
	STD10 280-196983/5	J8870.D	10/21/2013	15:24
	STD20 280-196983/6	J8871.D	10/21/2013	15:45
	ICIS 280-196983/7	J8872.D	10/21/2013	16:06
	STD100 280-196983/8	J8873.D	10/21/2013	16:28
	STD200 280-196983/9	J8874.D	10/21/2013	16:49
	ICV 280-196983/10	J8875.D	10/21/2013	17:11
	STD1 280-196983/11	J8876.D	10/21/2013	17:32
	STD2 280-196983/12	J8877.D	10/21/2013	17:54
	STD5 280-196983/13	J8878.D	10/21/2013	18:15
	STD10 280-196983/14	J8879.D	10/21/2013	18:37
	STD20 280-196983/15	J8880.D	10/21/2013	18:59
	STD50 280-196983/16	J8881.D	10/21/2013	19:20
	STD100 280-196983/17	J8882.D	10/21/2013	19:42
	STD200 280-196983/18	J8883.D	10/21/2013	20:03
	ICV 280-196983/19	J8884.D	10/21/2013	20:24
	ICV 280-196983/35	J8892.D	10/21/2013	23:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: J8999.D BFB Injection Date: 10/29/2013

Instrument ID: VMS_J BFB Injection Time: 16:44

Analysis Batch No.: 198398

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.7	
75	30.0 - 60.0 % of mass 95	53.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.1	(0.1)1
174	50.0 - 120.00 % of mass 95	90.2	
175	5.0 - 9.0 % of mass 174	6.5	(7.2)1
176	95.0 - 101.0 % of mass 174	86.3	(95.7)1
177	5.0 - 9.0 % of mass 176	5.8	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-198398/2	J9000.D	10/29/2013	17:07
	CCV 280-198398/3	J9001.D	10/29/2013	17:29
	LCS 280-198393/2-A	J9002.D	10/29/2013	17:51
	MB 280-198393/1-A	J9003.D	10/29/2013	18:12
AOI474BF	280-48486-1	J9017.D	10/29/2013	23:17
AOI474BF MS	280-48486-1 MS	J9018.D	10/29/2013	23:39
AOI474BF MSD	280-48486-1 MSD	J9019.D	10/30/2013	00:00

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-196983/7 Date Analyzed: 10/21/2013 16:06

Instrument ID: VMS_J GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): J8872.D Heated Purge: (Y/N) Y

Calibration ID: 15999

		TBA		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400957	5.96	1424064	8.07	306690	10.78
UPPER LIMIT		801914	6.46	2848128	8.57	613380	11.28
LOWER LIMIT		200479	5.46	712032	7.57	153345	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-196983/10		340158	5.95	819414	8.07	180436	10.77
ICV 280-196983/19		418640	5.96	1584761	8.07	349091	10.78
ICV 280-196983/35		406976	5.95	1413106	8.07	302702	10.79
CCV 280-198398/2		430648	5.94	1341697	8.07	320466	10.78
CCV 280-198398/3		396181	5.96	1372753	8.07	300127	10.78
LCS 280-198393/2-A		402358	5.96	1691441	8.07	386909	10.78
MB 280-198393/1-A		383050	5.96	1571773	8.07	342689	10.78
280-48486-1	AOI474BF	302548	5.96	1347018	8.07	275523	10.78
280-48486-1 MS	AOI474BF MS	349196	5.96	1522103	8.07	328125	10.78
280-48486-1 MSD	AOI474BF MSD	347791	5.96	1469602	8.07	316984	10.78

TBA = TBA-d9 (IS)
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-196983/7 Date Analyzed: 10/21/2013 16:06

Instrument ID: VMS_J GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): J8872.D Heated Purge: (Y/N) Y

Calibration ID: 15999

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		396387	12.92				
UPPER LIMIT		792774	13.42				
LOWER LIMIT		198194	12.42				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-196983/10		245357	12.91				
ICV 280-196983/19		494732	12.92				
ICV 280-196983/35		385108	12.91				
CCV 280-198398/2		473614	12.92				
CCV 280-198398/3		392400	12.92				
LCS 280-198393/2-A		554788	12.92				
MB 280-198393/1-A		415112	12.92				
280-48486-1	AOI474BF	296971	12.92				
280-48486-1 MS	AOI474BF MS	470033	12.92				
280-48486-1 MSD	AOI474BF MSD	400898	12.92				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: J9017.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 5.033(g) | Date Analyzed: 10/29/2013 23:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U	5.5	1.1	0.62
71-55-6	1,1,1-Trichloroethane	1.1	U	5.5	1.1	0.57
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	5.5	1.1	0.67
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U	22	22	0.50
79-00-5	1,1,2-Trichloroethane	1.1	U	5.5	1.1	0.97
75-34-3	1,1-Dichloroethane	0.88	U	5.5	0.88	0.23
75-35-4	1,1-Dichloroethene	1.1	U	5.5	1.1	0.65
563-58-6	1,1-Dichloropropene	1.1	U	5.5	1.1	0.60
87-61-6	1,2,3-Trichlorobenzene	1.1	U J	5.5	1.1	0.83
96-18-4	1,2,3-Trichloropropane	1.1	U	5.5	1.1	0.90
120-82-1	1,2,4-Trichlorobenzene	1.1	U J	5.5	1.1	0.81
95-63-6	1,2,4-Trimethylbenzene	1.1	U	5.5	1.1	0.64
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	11	1.1	0.66
95-50-1	1,2-Dichlorobenzene	1.1	U	5.5	1.1	0.50
107-06-2	1,2-Dichloroethane	1.1	U	5.5	1.1	0.77
78-87-5	1,2-Dichloropropane	1.1	U	5.5	1.1	0.61
108-67-8	1,3,5-Trimethylbenzene	1.1	U	5.5	1.1	0.63
541-73-1	1,3-Dichlorobenzene	1.1	U	5.5	1.1	0.53
142-28-9	1,3-Dichloropropane	1.1	U	5.5	1.1	0.56
106-46-7	1,4-Dichlorobenzene	1.1	U	5.5	1.1	0.86
123-91-1	1,4-Dioxane	88	U	550	88	62
544-10-5	1-Chlorohexane	0.88	U	5.5	0.88	0.70
594-20-7	2,2-Dichloropropane	1.1	U	5.5	1.1	0.49
78-93-3	2-Butanone (MEK)	7.1	U J	22	7.1	2.0
95-49-8	2-Chlorotoluene	1.1	U	5.5	1.1	0.56
591-78-6	2-Hexanone	11	U J	22	11	5.4
106-43-4	4-Chlorotoluene	1.1	U	5.5	1.1	0.86
99-87-6	4-Isopropyltoluene	1.1	U	5.5	1.1	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	11	U J	22	11	4.8
67-64-1	Acetone	11	U J	22	11	5.9
71-43-2	Benzene	1.1	U	5.5	1.1	0.52
108-86-1	Bromobenzene	1.1	U	5.5	1.1	0.54
75-25-2	Bromoform	0.88	U	5.5	0.88	0.25
74-83-9	Bromomethane	1.1	U J	11	1.1	0.55
75-15-0	Carbon disulfide	1.1	U	5.5	1.1	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: J9017.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 5.033(g) | Date Analyzed: 10/29/2013 23:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	1.1	U	5.5	1.1	0.70
108-90-7	Chlorobenzene	1.1	U	5.5	1.1	0.60
74-97-5	Chlorobromomethane	1.1	U	5.5	1.1	0.33
124-48-1	Chlorodibromomethane	1.1	U	5.5	1.1	0.63
75-00-3	Chloroethane	1.1	U J	11	1.1	0.98
67-66-3	Chloroform	1.1	U	11	1.1	0.32
74-87-3	Chloromethane	1.1	U	11	1.1	0.85
156-59-2	cis-1,2-Dichloroethene	1.1	U	5.5	1.1	0.62
10061-01-5	cis-1,3-Dichloropropene	2.2	U	5.5	2.2	1.4
110-82-7	Cyclohexane	1.8	U	5.5	1.8	0.44
74-95-3	Dibromomethane	1.1	U	5.5	1.1	0.93
75-27-4	Dichlorobromomethane	0.88	U	5.5	0.88	0.24
75-71-8	Dichlorodifluoromethane	1.1	U	11	1.1	0.57
100-41-4	Ethylbenzene	1.1	U	5.5	1.1	0.74
106-93-4	Ethylene Dibromide	1.1	U	5.5	1.1	0.57
87-68-3	Hexachlorobutadiene	1.1	U	5.5	1.1	0.61
98-82-8	Isopropylbenzene	1.1	U	5.5	1.1	0.65
79-20-9	Methyl acetate	4.4	U	9.4	4.4	3.0
1634-04-4	Methyl tert-butyl ether	1.1	U	22	1.1	0.38
108-87-2	Methylcyclohexane	0.88	U	5.5	0.88	0.46
75-09-2	Methylene Chloride	4.7	J B	5.5	3.5	1.8
179601-23-1	m-Xylene & p-Xylene	2.2	U	3.5	2.2	1.1
91-20-3	Naphthalene	1.1	U	5.5	1.1	0.70
104-51-8	n-Butylbenzene	1.1	U	5.5	1.1	0.62
103-65-1	N-Propylbenzene	1.1	U	5.5	1.1	0.64
95-47-6	o-Xylene	1.1	U	5.5	1.1	0.67
135-98-8	sec-Butylbenzene	1.1	U	5.5	1.1	0.85
100-42-5	Styrene	1.1	U	5.5	1.1	0.70
98-06-6	tert-Butylbenzene	1.1	U	5.5	1.1	0.55
127-18-4	Tetrachloroethene	1.1	U	5.5	1.1	0.65
108-88-3	Toluene	1.1	U	5.5	1.1	0.76
156-60-5	trans-1,2-Dichloroethene	1.1	U	5.5	1.1	0.43
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.5	1.1	0.74
79-01-6	Trichloroethene	0.88	U	5.5	0.88	0.25
75-69-4	Trichlorofluoromethane	2.2	U	11	2.2	1.1
75-01-4	Vinyl chloride	2.2	U J	5.5	2.2	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF Lab Sample ID: 280-48486-1

Matrix: Solid Lab File ID: J9017.D

Analysis Method: 8260B/DoD Date Collected: 10/25/2013 11:00

Sample wt/vol: 5.033(g) Date Analyzed: 10/29/2013 23:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 Level: (low/med) Low

Analysis Batch No.: 198398 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-129
460-00-4	4-Bromofluorobenzene (Surr)	103		85-120
1868-53-7	Dibromofluoromethane (Surr)	96		71-126
2037-26-5	Toluene-d8 (Surr)	100		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9017.D
Lims ID: 280-48486-A-1-B
Client ID: AOI474BF
Inject. Date: 29-Oct-2013 23:17:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 280-48486-a-1-b
Misc. Info.:
Operator: DUKESA
Instrument ID: VMS_J
Purge Vol: 5.000 mL
ALS Bottle#: 27
Lims Batch ID: 198398
Lims Sample ID: 23
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40
Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa
Date: 30-Oct-2013 16:30:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	1.052	1.051	0.001	0	505	0	
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	69	302548	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1347018	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.781	0.001	86	275523	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	95	296971	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	78	412062	48.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.787	0.001	97	340111	46.3	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	87	1247614	49.8	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.790	0.001	89	309125	51.3	
25 Dichlorodifluoromethane	85		4.133					19
27 Chloromethane	50		4.360					
28 Vinyl chloride	62		4.516					
31 Bromomethane	94		4.899					
32 Chloroethane	64		4.969					
34 Trichlorofluoromethane	101		5.213					
42 1,1,2-Trichloro-1,2,2-trifluoroe	151		5.665					
41 Acetone	43		5.665					
45 1,1-Dichloroethene	96		5.683					39
48 Methyl acetate	43		5.909					
51 Carbon disulfide	76		5.978					
52 Methylene Chloride	84	6.065	6.065	0.0	93	36093	4.25	
54 Methyl tert-butyl ether	73		6.257					
55 trans-1,2-Dichloroethene	96		6.292					39
59 1,1-Dichloroethane	63		6.640					
63 2-Butanone (MEK)	43		7.058					
65 cis-1,2-Dichloroethene	96		7.110					
67 2,2-Dichloropropane	77		7.145					19
69 Chlorobromomethane	128		7.319					
70 Chloroform	83		7.336					29
73 1,1,1-Trichloroethane	97		7.562					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 Cyclohexane	56		7.649					2
75 1,1-Dichloropropene	75		7.684					
76 Carbon tetrachloride	117		7.719					
77 1,2-Dichloroethane	62		7.858					
79 Benzene	78		7.876					19
81 Trichloroethene	130		8.380					
84 1,2-Dichloropropane	63		8.589					29
85 Methylcyclohexane	55		8.589					
86 1,4-Dioxane	88		8.642					
87 Dibromomethane	93		8.711					
88 Dichlorobromomethane	83		8.781					
91 cis-1,3-Dichloropropene	75		9.164					
92 4-Methyl-2-pentanone (MIBK)	43		9.233					
93 Toluene	91		9.512					
95 trans-1,3-Dichloropropene	75		9.634					19
96 1,1,2-Trichloroethane	97		9.843					
97 2-Hexanone	43		9.982					19
98 1,3-Dichloropropane	76		10.017					
99 Tetrachloroethene	164		10.034					
100 Chlorodibromomethane	129		10.243					
102 Ethylene Dibromide	107		10.399					
103 1-Chlorohexane	91		10.678					
104 Chlorobenzene	112		10.800					
106 1,1,1,2-Tetrachloroethane	131		10.852					
105 Ethylbenzene	106		10.852					
107 m-Xylene & p-Xylene	91		10.939					19
109 o-Xylene	106		11.305					
108 Styrene	104		11.305					
110 Bromoform	173		11.548					
111 Isopropylbenzene	105		11.618					19
114 1,1,2,2-Tetrachloroethane	83		11.862					
116 1,2,3-Trichloropropane	110		11.931					149
118 Bromobenzene	156		11.983					
117 N-Propylbenzene	120		11.983					
120 2-Chlorotoluene	126		12.123					
119 1,3,5-Trimethylbenzene	105		12.123					
121 4-Chlorotoluene	126		12.227					
122 tert-Butylbenzene	119		12.471					
123 1,2,4-Trimethylbenzene	105		12.506					19
124 sec-Butylbenzene	134		12.680					
125 4-Isopropyltoluene	119		12.784					
126 1,3-Dichlorobenzene	146		12.854					
128 1,4-Dichlorobenzene	146		12.941					
129 n-Butylbenzene	91		13.202					19
130 1,2-Dichlorobenzene	146		13.358					
131 1,2-Dibromo-3-Chloropropane	157		14.194					
132 1,2,4-Trichlorobenzene	180		15.256					
133 Hexachlorobutadiene	225		15.430					
134 Naphthalene	128		15.656					
135 1,2,3-Trichlorobenzene	180		16.022					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
3 - Failed RT Window Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

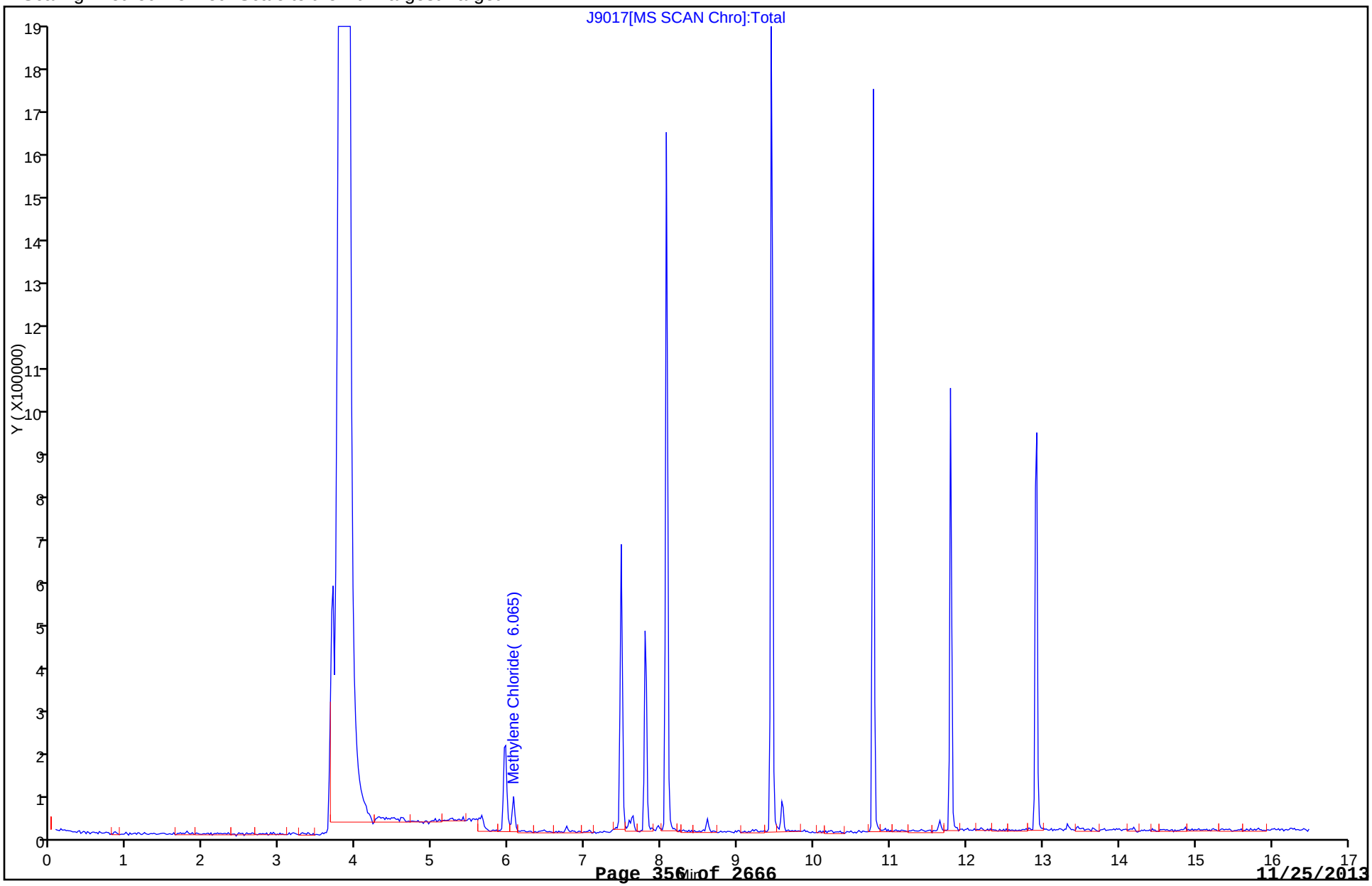
Report Date: 30-Oct-2013 16:34:47 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9017.D

Injection Date:	29-Oct-2013 23:17:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:	AOI474BF	Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	23
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



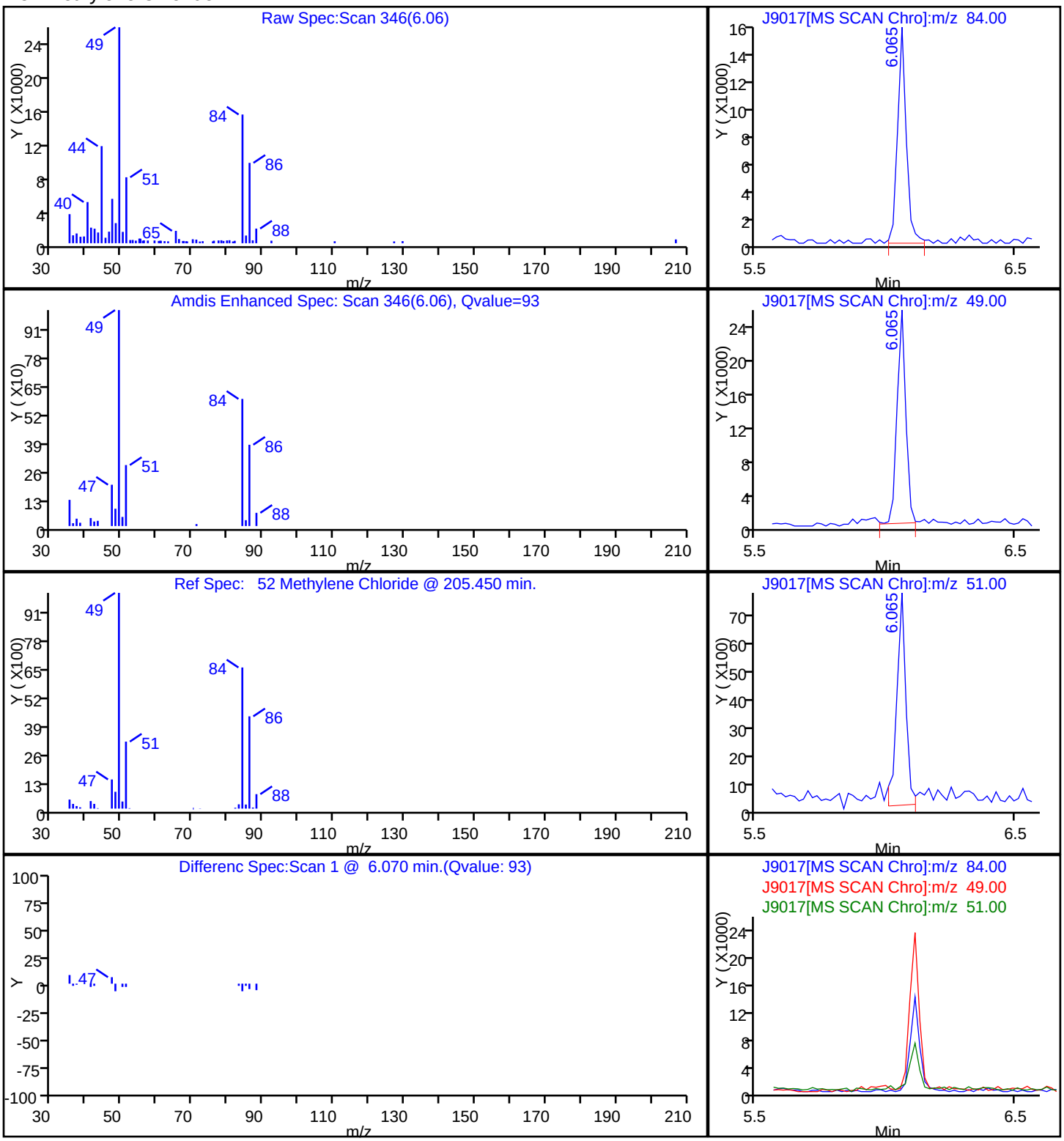
Report Date: 30-Oct-2013 16:34:47 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9017.D

Injection Date:	29-Oct-2013 23:17:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:	AOI474BF	Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	23
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

52 Methylene Chloride



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/2	J8867.D
Level 2	STD2 280-196983/3	J8868.D
Level 3	STD5 280-196983/4	J8869.D
Level 4	STD10 280-196983/5	J8870.D
Level 5	STD20 280-196983/6	J8871.D
Level 6	ICIS 280-196983/7	J8872.D
Level 7	STD100 280-196983/8	J8873.D
Level 8	STD200 280-196983/9	J8874.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1659	+++++ 0.1531	0.1884 +++++	0.2072	0.1539	Ave		0.1737				14.0		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5755 0.6056	0.6213 0.5668	0.5637 0.5545	0.5576	0.5532	Ave		0.5748				4.4		15.0			
Propene oxide	0.0345 0.0352	0.0336 0.0299	0.0305 +++++	0.0335	0.0297	Ave		0.0324				7.2		15.0			
Isopropyl alcohol	1.8558 0.9557	1.4009 0.8921	1.1585 0.8579	0.9251	0.8600	Lin2	9.9816	0.8780							0.9950		0.9900
Acetonitrile	+++++ 0.0236	0.0331 0.0211	0.0242 0.0197	0.0220	0.0204	Lin2	0.2427	0.0204							0.9940		0.9900
Isopropyl ether	0.2385 0.2071	0.2339 0.1962	0.1661 0.2004	0.1757	0.1749	Ave		0.1991				14.0		15.0			
2-Chloro-1,3-butadiene	0.5755 0.6646	0.6053 0.6141	0.5330 0.6321	0.5473	0.5498	Ave		0.5902				7.9		15.0			
Tert-butyl ethyl ether	0.7595 0.8607	0.7848 0.8181	0.6936 0.8202	0.7348	0.7284	Ave		0.7750				7.2		15.0			
Ethyl acetate	0.4196 0.1137	0.1606 0.1034	0.1174 0.0971	0.1106	0.0995	Lin1	0.4649	0.0980							0.9920		0.9900
Propionitrile	0.0198 0.0222	0.0251 0.0202	0.0222 0.0191	0.0205	0.0193	Ave		0.0211				9.6		15.0			
Methacrylonitrile	0.1127 0.1280	0.1119 0.1158	0.1031 0.1076	0.1123	0.1091	Ave		0.1126				6.5		15.0			
Tert-amyl methyl ether	0.5088 0.6040	0.5313 0.5878	0.4759 0.5925	0.5272	0.5030	Ave		0.5413				8.8		15.0			
Methyl methacrylate	0.0543 0.0412	0.0462 0.0388	0.0361 0.0391	0.0363	0.0348	Lin2	0.0335	0.0369							0.9920		0.9900
2-Nitropropane	0.0614 0.0438	0.0483 0.0411	0.0382 0.0385	0.0408	0.0377	Lin2	0.0425	0.0387							0.9930		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
cis-1,4-Dichloro-2-butene	0.4389 0.1923	0.2636 0.1852	0.1883 0.1794	0.1800	0.1597	Lin1	0.1890	0.1789							0.9970		0.9900
Dibromofluoromethane (Surr)	+++++ 0.3237	+++++ 0.3160	0.3276 0.3229	0.3097	0.3025	Ave		0.3171				3.0		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2843	+++++ 0.2747	0.2819 0.2634	0.2678	0.2633	Ave		0.2726				3.4		15.0			
Toluene-d8 (Surr)	+++++ 4.7127	+++++ 4.6730	4.4262 4.7865	4.3881	4.2740	Ave		4.5434				4.6		15.0			
4-Bromofluorobenzene (Surr)	+++++ 1.0309	+++++ 1.0015	1.0239 1.0311	1.0301	0.9671	Ave		1.0141				2.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/2	J8867.D
Level 2	STD2 280-196983/3	J8868.D
Level 3	STD5 280-196983/4	J8869.D
Level 4	STD10 280-196983/5	J8870.D
Level 5	STD20 280-196983/6	J8871.D
Level 6	ICIS 280-196983/7	J8872.D
Level 7	STD100 280-196983/8	J8873.D
Level 8	STD200 280-196983/9	J8874.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	TBA	Ave	+++++ 166266	+++++ 312990	19178 +++++	42151	61082	+++++ 2500	+++++ 5000	250 +++++	500	1000
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	16824 862425	36033 1717734	81490 3370394	154437	309547	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Propene oxide	FB	Ave	50423 2506069	97552 4525065	220228 +++++	464571	830603	50.0 2500	100 5000	250 +++++	500	1000
Isopropyl alcohol	TBA	Lin2	8948 191596	11733 364717	23584 665052	37630	68241	10.0 500	20.0 1000	50.0 2000	100	200
Acetonitrile	FB	Lin2	+++++ 336724	19190 638202	35007 1199654	60970	114094	+++++ 500	20.0 1000	50.0 2000	100	200
Isopropyl ether	FB	Ave	6971 294919	13566 594543	24015 1217857	48658	97849	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	16825 946371	35102 1861284	77054 3842361	151585	307660	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	22204 1225638	45514 2479457	100261 4985780	203528	407584	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl acetate	FB	Lin1	24533 323937	18626 626591	33955 1180940	61292	111352	2.00 100	4.00 200	10.0 400	20.0	40.0
Propionitrile	FB	Ave	5797 315442	14566 611605	32117 1162041	56867	108060	10.0 500	20.0 1000	50.0 2000	100	200
Methacrylonitrile	FB	Ave	32955 1822422	64896 3509331	148993 6542984	311166	610219	10.0 500	20.0 1000	50.0 2000	100	200
Tert-amyl methyl ether	FB	Ave	14875 860078	30812 1781408	68799 3601680	146020	281479	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl methacrylate	FB	Lin2	3172 117318	5363 235408	10438 474893	20130	38953	2.00 100	4.00 200	10.0 400	20.0	40.0
2-Nitropropane	FB	Lin2	3592 124870	5603 249195	11040 467622	22615	42149	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,4-Dichloro-2-butene	DCB	Lin1	3554 76227	4102 155753	7456 307531	13397	24606	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	+++++ 461034	+++++ 957737	47354 1962686	85767	169250	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 404800	+++++ 832435	40758 1600776	74165	147360	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 1445343	+++++ 2965925	135536 6210821	254888	514499	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Ave	+++++ 408635	+++++ 842072	40548 1767273	76682	148966	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8867.D
Lims ID: STD1 Client ID:
Inject. Date: 21-Oct-2013 14:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 196983 Lims Sample ID: 2
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:03 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 14:53:22

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.947	5.947	0.0	80	482174	1000.0	
* 1 Fluorobenzene	96	8.071	8.071	0.0	98	1461661	50.0	
* 2 Chlorobenzene-d5	119	10.769	10.769	0.0	91	306249	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.910	12.910	0.0	96	404864	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.479	7.479	0.0	55	15561	1.68	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.792	7.792	0.0	97	14089	1.77	
$ 7 Toluene-d8 (Surr)	98	9.446	9.446	0.0	82	45591	1.64	
$ 8 4-Bromofluorobenzene (Surr)	95	11.778	11.778	0.0	81	20737	2.53	
24 Chlorotrifluoroethene	116		4.069					19
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.276	4.276	0.0	86	9095	3.63	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.555	4.555	0.0	6	11456	1.09	
30 Ethylene oxide	43	4.833	4.833	0.0	99	68391	236.5	
35 Ethanol	45	5.234	5.234	0.0	75	4719	56.3	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.373	5.373	0.0	77	12549	1.16	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.408	5.408	0.0	81	16824	1.00	
39 Propene oxide	58	5.495	5.495	0.0	95	50423	53.2	
44 Isopropyl alcohol	45	5.669	5.669	0.0	23	8948	9.77	
47 Acetonitrile	41		5.896					2
58 Isopropyl ether	87	6.591	6.591	0.0	94	6971	1.20	
60 2-Chloro-1,3-butadiene	53	6.713	6.713	0.0	91	16825	0.9751	
61 Tert-butyl ethyl ether	59	6.887	6.887	0.0	92	22204	0.9800	
62 Ethyl acetate	43	7.044	7.044	0.0	93	24533	3.82	
66 Propionitrile	54	7.114	7.114	0.0	86	5797	9.42	
68 Methacrylonitrile	41	7.253	7.253	0.0	97	32955	10.0	
78 Tert-amyl methyl ether	73	7.862	7.862	0.0	89	14875	0.9400	
80 n-Butanol	56	8.053	8.053	0.0	17	17353	62.8	
148 Ethyl acrylate	55	8.315	8.315	0.0	0	5954	1.02	
83 Methyl methacrylate	100	8.523	8.523	0.0	83	3172	2.03	
90 2-Nitropropane	41	8.959	8.959	0.0	69	3592	2.08	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.020	10.020	0.0	1	9626	1.62	
101 Tetrahydrothiophene	60	10.299	10.299	0.0	41	4350	1.54	
112 cis-1,4-Dichloro-2-butene	53	11.639	11.639	0.0	36	3554	1.40	
127 1,2,3-Trimethylbenzene	105	12.945	12.945	0.0	86	21892	0.9321	
146 Benzyl chloride	126	13.049	13.049	0.0	77	1445	0.9826	
16 1,3,5-Trichlorobenzene	180	14.441	14.441	0.0	90	9735	1.01	

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

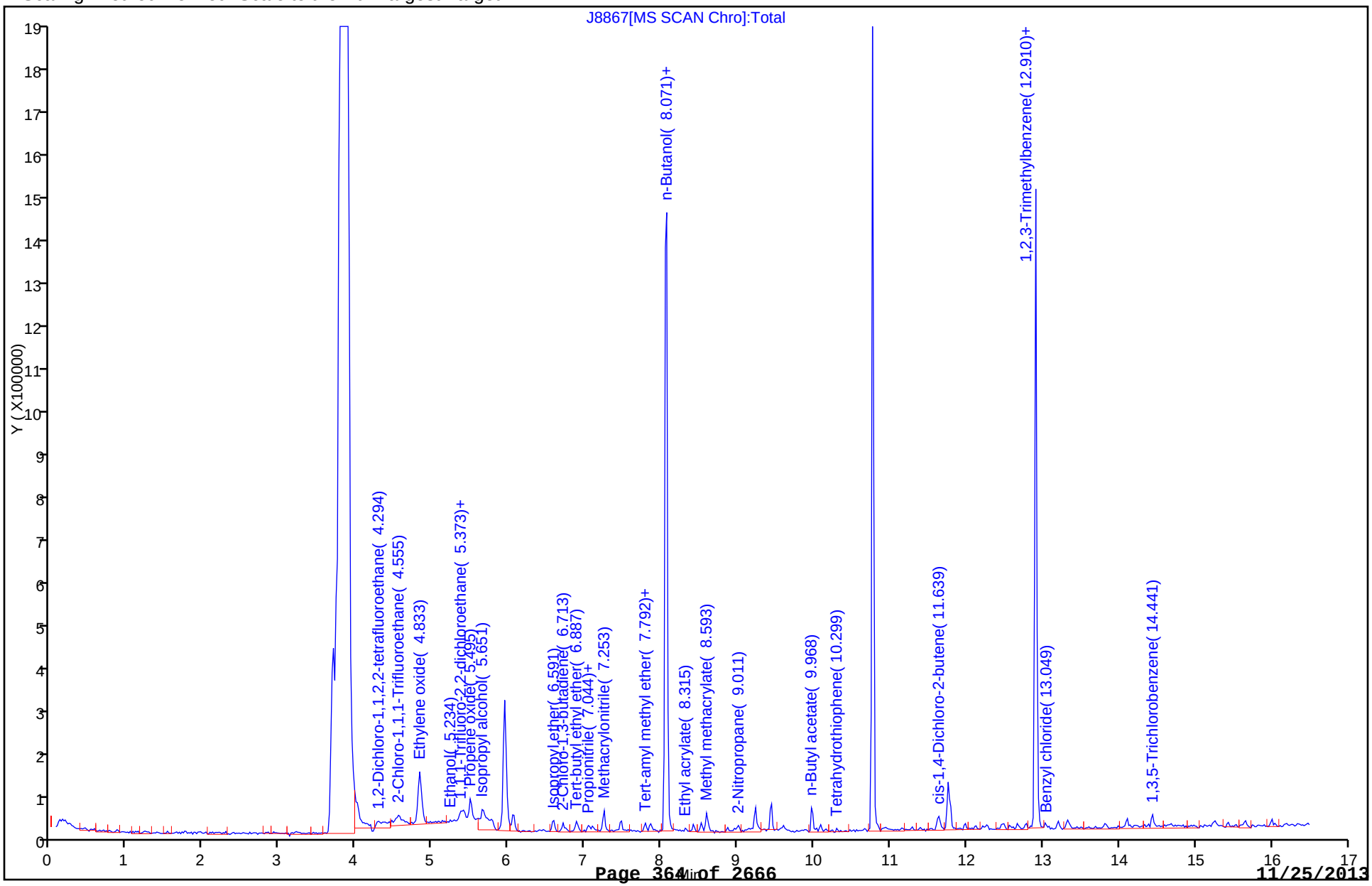
Report Date: 21-Oct-2013 23:37:03 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8867.D

Injection Date:	21-Oct-2013 14:09:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	2
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8868.D
Lims ID: STD2 Client ID:
Inject. Date: 21-Oct-2013 14:30:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD2
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 196983 Lims Sample ID: 3
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:03 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 15:57:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.943	5.943	0.0	78	418769	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1449826	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	86	300703	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	97	388986	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.475	7.475	0.0	61	22536	2.45	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.788	0.0	92	20268	2.56	
$ 7 Toluene-d8 (Surr)	98	9.442	9.442	0.0	86	63913	2.34	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.791	0.0	82	22595	2.86	
24 Chlorotrifluoroethene	116		4.069					29
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.289	4.289	0.0	87	18069	4.65	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.551	4.551	0.0	3	23929	2.29	
30 Ethylene oxide	43	4.829	4.829	0.0	99	141583	493.7	
35 Ethanol	45	5.247	5.247	0.0	88	8756	120.4	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.369	5.369	0.0	84	25632	2.39	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.403	5.403	0.0	83	36033	2.16	
39 Propene oxide	58	5.508	5.508	0.0	93	97552	103.8	
44 Isopropyl alcohol	45	5.682	5.682	0.0	62	11733	20.5	
47 Acetonitrile	41	5.908	5.908	0.0	100	19190	20.6	
58 Isopropyl ether	87	6.587	6.587	0.0	96	13566	2.35	
60 2-Chloro-1,3-butadiene	53	6.709	6.709	0.0	86	35102	2.05	
61 Tert-butyl ethyl ether	59	6.900	6.900	0.0	94	45514	2.03	
62 Ethyl acetate	43	7.040	7.040	0.0	95	18626	1.81	
66 Propionitrile	54	7.127	7.127	0.0	96	14566	23.9	
68 Methacrylonitrile	41	7.248	7.248	0.0	97	64896	19.9	
78 Tert-amyl methyl ether	73	7.858	7.858	0.0	89	30812	1.96	
80 n-Butanol	56	8.067	8.067	0.0	43	18089	84.8	
148 Ethyl acrylate	55	8.310	8.310	0.0	0	11155	1.94	
83 Methyl methacrylate	100	8.536	8.536	0.0	86	5363	4.10	
90 2-Nitropropane	41	8.954	8.954	0.0	88	5603	3.89	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.033	10.033	0.0	89	11225	1.98	
101 Tetrahydrothiophene	60	10.312	10.312	0.0	56	6188	2.13	
112 cis-1,4-Dichloro-2-butene	53	11.635	11.635	0.0	56	4102	1.89	
127 1,2,3-Trimethylbenzene	105	12.940	12.940	0.0	94	46598	2.07	
146 Benzyl chloride	126	13.045	13.045	0.0	91	2929	2.03	
16 1,3,5-Trichlorobenzene	180	14.437	14.437	0.0	93	20146	2.17	

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

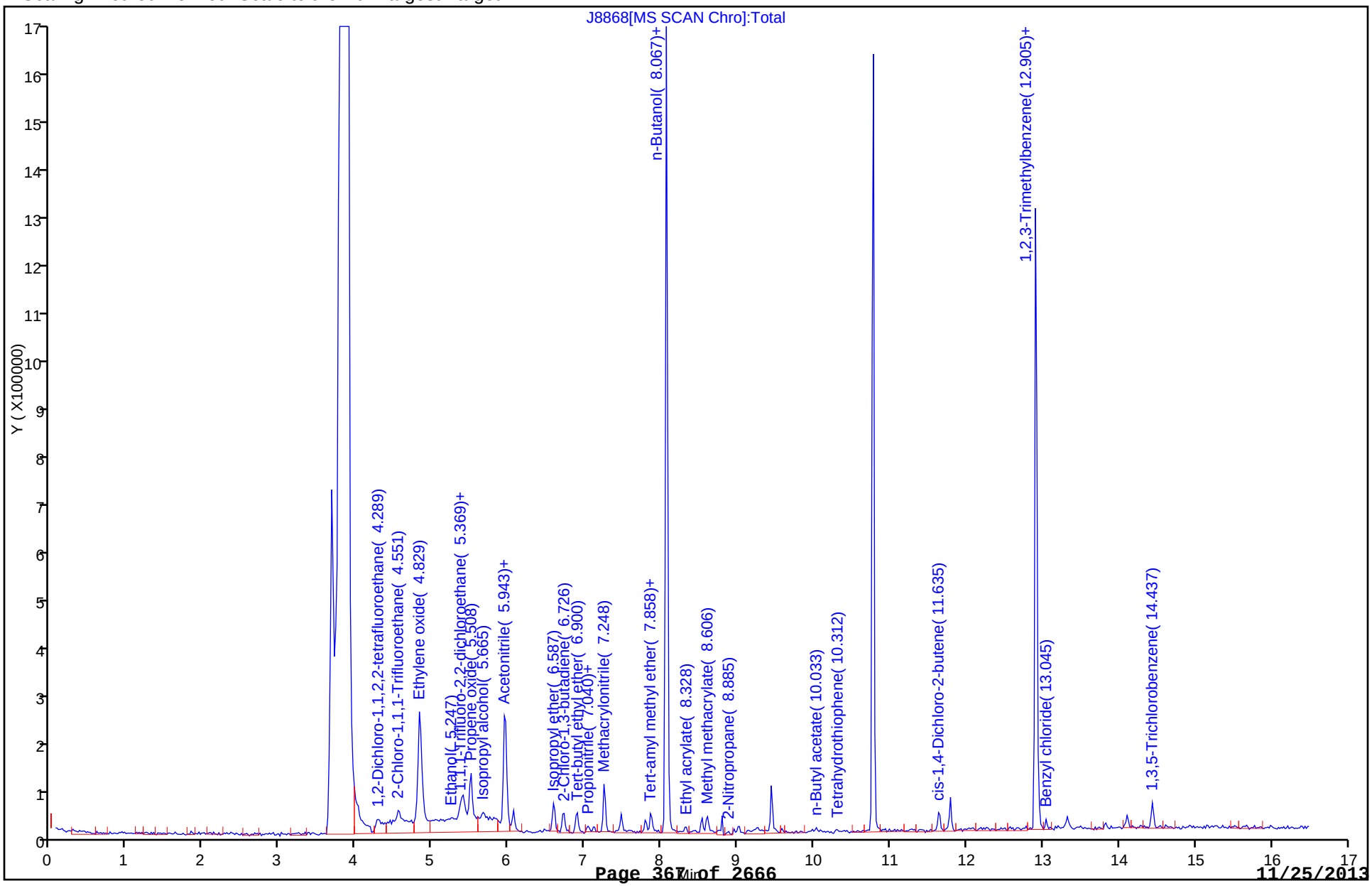
Report Date: 21-Oct-2013 23:37:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8868.D

Injection Date:	21-Oct-2013 14:30:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	3
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8869.D
Lims ID: STD5 Client ID:
Inject. Date: 21-Oct-2013 14:52:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD5
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 196983 Lims Sample ID: 4
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:04 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 15:58:25

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	57	407153	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1445586	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	87	306211	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	96	395996	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.475	7.475	0.0	72	47354	5.17	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.788	0.0	97	40758	5.17	
$ 7 Toluene-d8 (Surr)	98	9.442	9.442	0.0	87	135536	4.87	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.791	0.0	86	40548	5.05	
24 Chlorotrifluoroethene	116		4.069					
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.290	4.290	0.0	96	31761	6.21	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.551	4.551	0.0	24	48335	4.64	
30 Ethylene oxide	43	4.829	4.829	0.0	99	297212	1039.4	
35 Ethanol	45	5.247	5.247	0.0	94	19178	271.1	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.369	5.369	0.0	86	48111	4.51	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.403	5.403	0.0	83	81490	4.90	
39 Propene oxide	58	5.508	5.508	0.0	98	220228	235.0	
44 Isopropyl alcohol	45	5.682	5.682	0.0	62	23584	54.6	
47 Acetonitrile	41	5.908	5.908	0.0	97	35007	47.5	
58 Isopropyl ether	87	6.587	6.587	0.0	96	24015	4.17	
60 2-Chloro-1,3-butadiene	53	6.726	6.726	0.0	94	77054	4.52	
61 Tert-butyl ethyl ether	59	6.900	6.900	0.0	95	100261	4.47	
62 Ethyl acetate	43	7.040	7.040	0.0	97	33955	7.24	
66 Propionitrile	54	7.127	7.127	0.0	96	32117	52.8	
68 Methacrylonitrile	41	7.248	7.248	0.0	98	148993	45.8	
78 Tert-amyl methyl ether	73	7.858	7.858	0.0	91	68799	4.40	
80 n-Butanol	56	8.067	8.067	0.0	65	25956	147.2	
148 Ethyl acrylate	55	8.310	8.310	0.0	0	25508	4.44	
83 Methyl methacrylate	100	8.537	8.537	0.0	92	10438	8.87	
90 2-Nitropropane	41	8.954	8.954	0.0	90	11040	8.76	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.033	10.033	0.0	97	20041	3.84	
101 Tetrahydrothiophene	60	10.295	10.295	0.0	60	12365	3.98	
112 cis-1,4-Dichloro-2-butene	53	11.652	11.652	0.0	68	7456	4.21	
127 1,2,3-Trimethylbenzene	105	12.940	12.940	0.0	97	106209	4.62	
146 Benzyl chloride	126	13.045	13.045	0.0	97	6968	4.74	
16 1,3,5-Trichlorobenzene	180	14.437	14.437	0.0	94	45353	4.79	

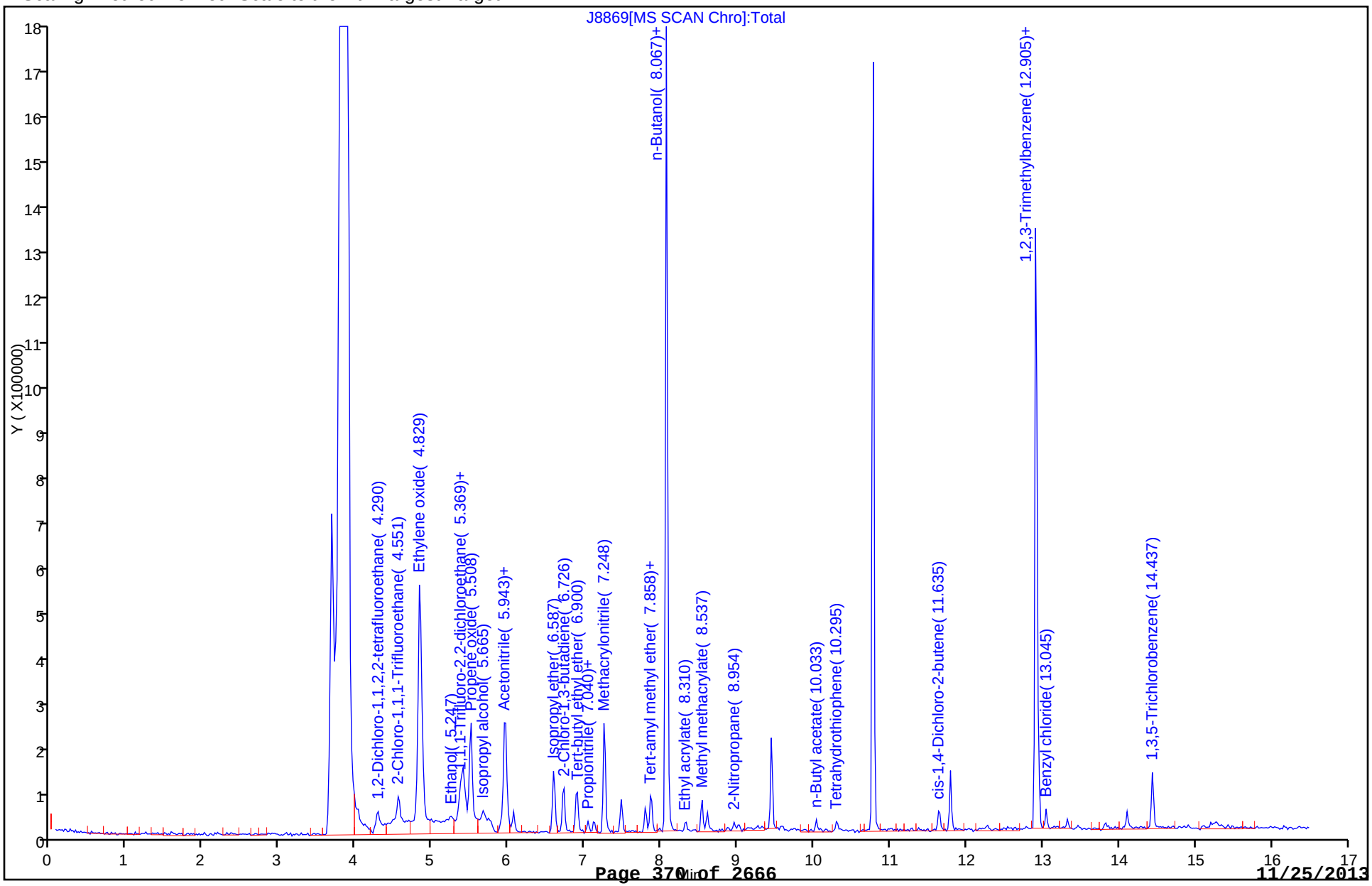
Report Date: 21-Oct-2013 23:37:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8869.D

Injection Date:	21-Oct-2013 14:52:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	4
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8870.D
Lims ID: STD10 Client ID:
Inject. Date: 21-Oct-2013 15:24:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD10
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 196983 Lims Sample ID: 5
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:05 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 15:57:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	80	406778	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1384835	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	87	290434	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	95	372222	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	78	85767	9.77	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.804	7.804	0.0	98	74165	9.82	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	87	254888	9.66	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	84	76682	10.2	
24 Chlorotrifluoroethene	116	4.080	4.080	0.0	71	6828	12.0	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.288	4.288	0.0	95	55123	9.13	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.567	4.567	0.0	13	91640	9.18	
30 Ethylene oxide	43	4.828	4.828	0.0	99	531303	1939.6	
35 Ethanol	45	5.246	5.246	0.0	97	42151	596.5	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.385	5.385	0.0	83	96577	9.44	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.420	5.420	0.0	90	154437	9.70	
39 Propene oxide	58	5.507	5.507	0.0	98	464571	517.5	
44 Isopropyl alcohol	45	5.681	5.681	0.0	87	37630	94.0	
47 Acetonitrile	41	5.907	5.907	0.0	98	60970	96.1	
58 Isopropyl ether	87	6.603	6.603	0.0	97	48658	8.82	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	95	151585	9.27	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	94	203528	9.48	
62 Ethyl acetate	43	7.039	7.039	0.0	98	61292	17.8	
66 Propionitrile	54	7.126	7.126	0.0	85	56867	97.5	
68 Methacrylonitrile	41	7.265	7.265	0.0	97	311166	99.8	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	94	146020	9.74	
80 n-Butanol	56	8.100	8.100	0.0	79	37097	230.7	
148 Ethyl acrylate	55	8.327	8.327	0.0	0	51224	9.31	
83 Methyl methacrylate	100	8.535	8.535	0.0	92	20130	18.8	
90 2-Nitropropane	41	8.953	8.953	0.0	91	22615	20.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.032	10.032	0.0	98	35726	7.48	
101 Tetrahydrothiophene	60	10.311	10.311	0.0	57	23311	7.70	
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	89	13397	9.00	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	97	207731	9.62	
146 Benzyl chloride	126	13.044	13.044	0.0	98	12654	9.07	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	95	90249	10.1	

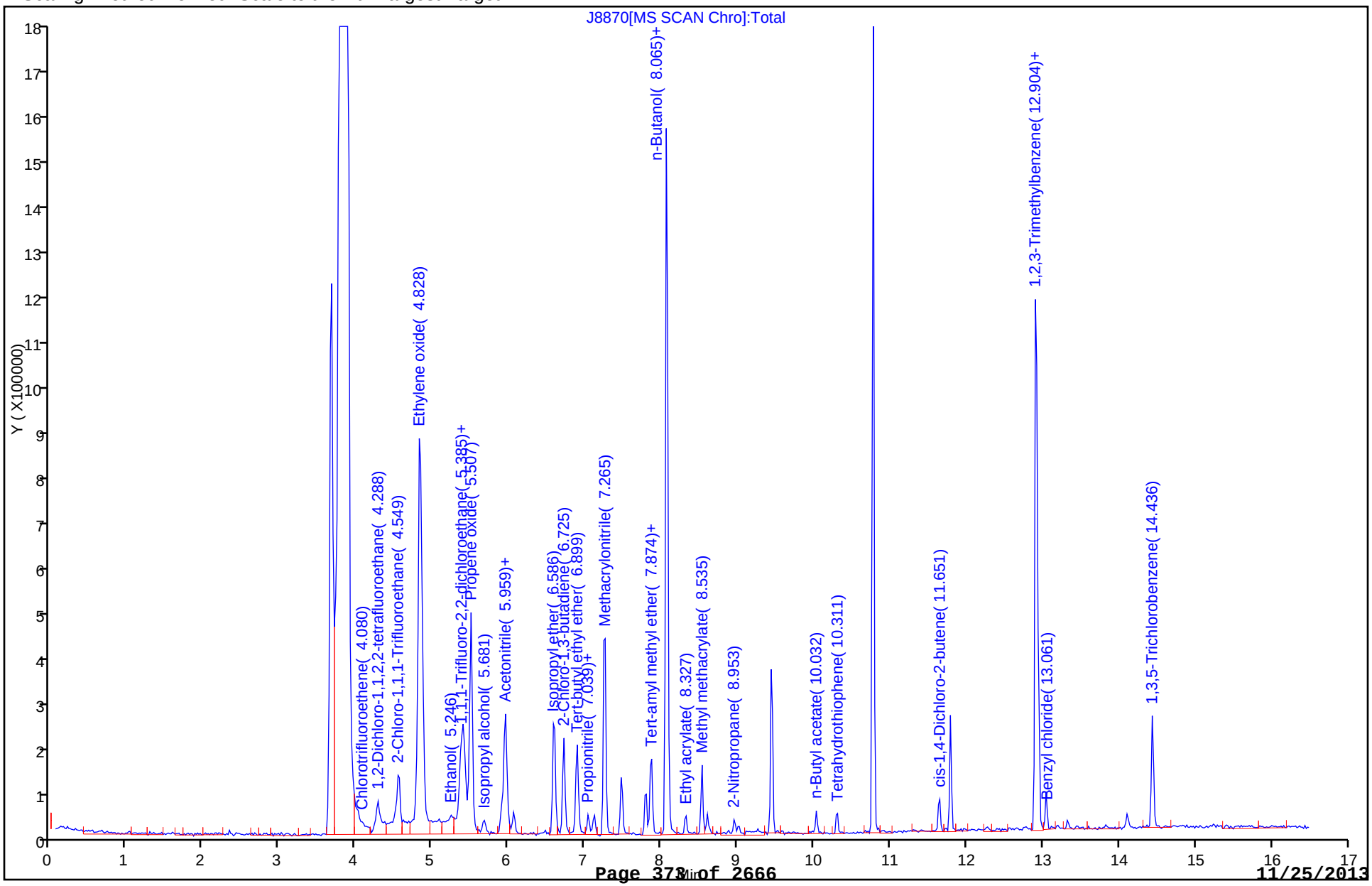
Report Date: 21-Oct-2013 23:37:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8870.D

Injection Date:	21-Oct-2013 15:24:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	5
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8871.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	21-Oct-2013 15:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD20		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	14
Lims Batch ID:	196983	Lims Sample ID:	6
Sublist:	chrom-SO_VMSJ_8260*sub57		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:06	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	66	396773	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1398903	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	86	300949	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	97	385073	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	75	169250	19.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	98	147360	19.3	
$ 7 Toluene-d8 (Surr)	98	9.440	9.440	0.0	86	514499	18.8	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	86	148966	19.1	
24 Chlorotrifluoroethene	116	4.062	4.062	0.0	91	14889	15.2	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.288	4.288	0.0	97	105471	15.0	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.549	4.549	0.0	33	183615	18.2	
30 Ethylene oxide	43	4.828	4.828	0.0	99	1020806	3689.1	
35 Ethanol	45	5.246	5.246	0.0	96	61082	886.2	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.367	5.367	0.0	93	192642	18.6	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.402	5.402	0.0	85	309547	19.2	
39 Propene oxide	58	5.507	5.507	0.0	98	830603	915.9	
44 Isopropyl alcohol	45	5.681	5.681	0.0	96	68241	184.5	
47 Acetonitrile	41	5.907	5.907	0.0	97	114094	188.2	
58 Isopropyl ether	87	6.586	6.586	0.0	97	97849	17.6	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	95	307660	18.6	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	97	407584	18.8	
62 Ethyl acetate	43	7.038	7.038	0.0	99	111352	35.9	
66 Propionitrile	54	7.125	7.125	0.0	98	108060	183.4	
68 Methacrylonitrile	41	7.247	7.247	0.0	98	610219	193.8	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	92	281479	18.6	
80 n-Butanol	56	8.100	8.100	0.0	87	62145	429.5	
148 Ethyl acrylate	55	8.326	8.326	0.0	0	103211	18.6	
83 Methyl methacrylate	100	8.535	8.535	0.0	90	38953	36.8	
90 2-Nitropropane	41	8.953	8.953	0.0	92	42149	37.8	
144 n-Butyl acetate	43	10.032	10.032	0.0	98	75891	16.2	
101 Tetrahydrothiophene	60	10.311	10.311	0.0	50	48231	15.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	93	24606	16.8	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	97	436699	19.5	
146 Benzyl chloride	126	13.043	13.043	0.0	99	25376	17.6	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	95	175591	19.1	

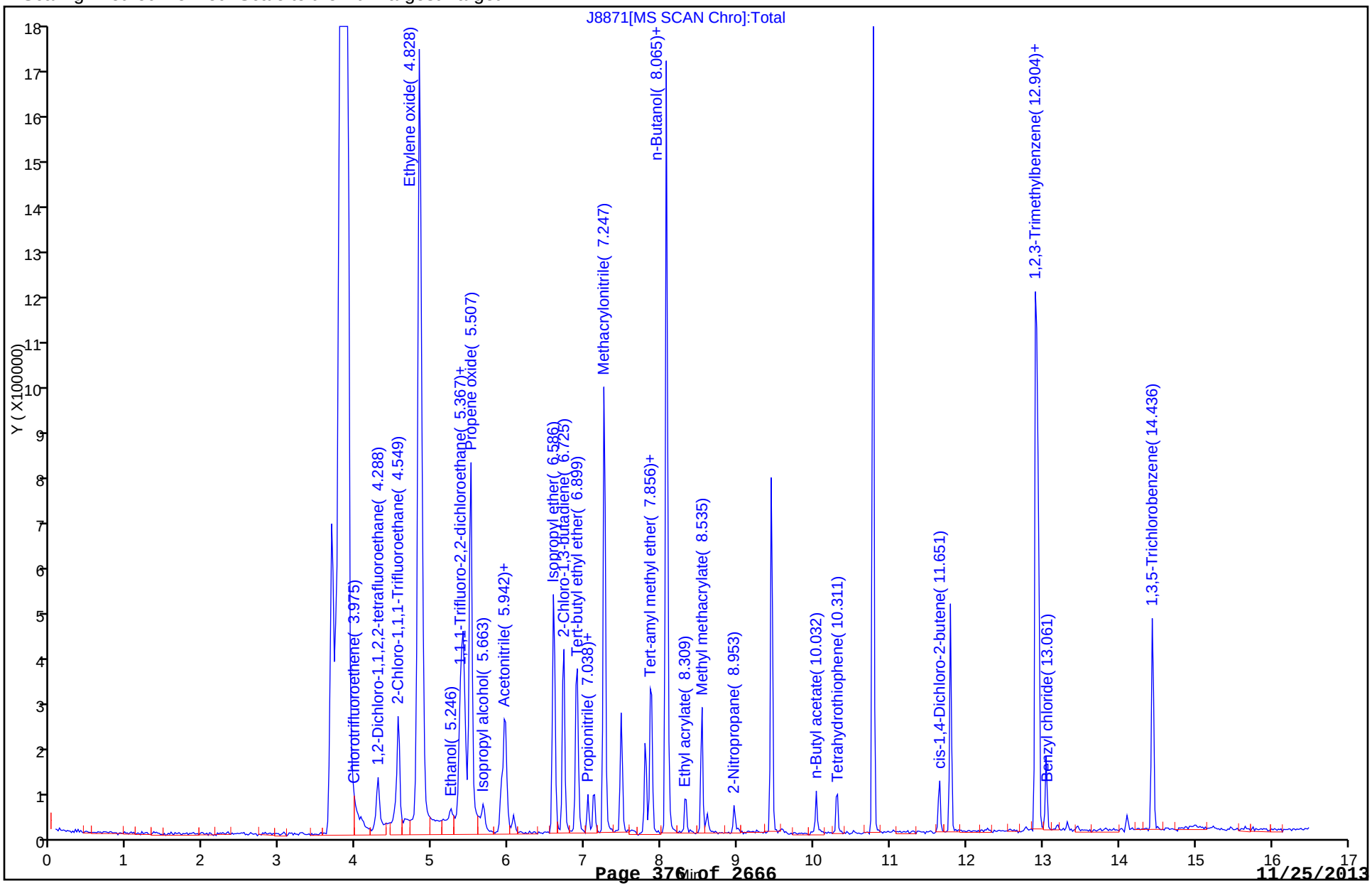
Report Date: 21-Oct-2013 23:37:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8871.D

Injection Date:	21-Oct-2013 15:45:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	6
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8872.D		
Lims ID:	ICIS	Client ID:	
Inject. Date:	21-Oct-2013 16:06:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	ICIS		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	15
Lims Batch ID:	196983	Lims Sample ID:	7
Sublist:	chrom-SO_VMSJ_8260*sub57		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:58:53	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: dukesa		Date:	21-Oct-2013 17:58:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	63	400957	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1424064	50.0	
* 2 Chlorobenzene-d5	119	10.780	10.780	0.0	87	306690	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.921	12.921	0.0	96	396387	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.473	7.473	0.0	62	461034	51.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	97	404800	52.1	
$ 7 Toluene-d8 (Surr)	98	9.440	9.440	0.0	86	1445343	51.9	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	87	408635	50.8	
24 Chlorotrifluoroethene	116	4.062	4.062	0.0	95	106861	50.8	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.288	4.288	0.0	98	453033	54.8	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.549	4.549	0.0	32	539604	52.6	
30 Ethylene oxide	43	4.828	4.828	0.0	99	3232976	11477	
35 Ethanol	45	5.245	5.245	0.0	99	166266	2387.1	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.367	5.367	0.0	93	527069	50.1	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.402	5.402	0.0	86	862425	52.7	
39 Propene oxide	58	5.506	5.506	0.0	97	2506069	2714.5	
44 Isopropyl alcohol	45	5.680	5.680	0.0	95	191596	532.9	
47 Acetonitrile	41	5.907	5.907	0.0	99	336724	532.7	
58 Isopropyl ether	87	6.586	6.586	0.0	98	294919	52.0	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	94	946371	56.3	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	98	1225638	55.5	
62 Ethyl acetate	43	7.038	7.038	0.0	99	323937	111.3	
66 Propionitrile	54	7.125	7.125	0.0	98	315442	526.0	
68 Methacrylonitrile	41	7.247	7.247	0.0	97	1822422	527.9	
78 Tert-amyl methyl ether	73	7.856	7.856	0.0	94	860078	55.8	
80 n-Butanol	56	8.100	8.100	0.0	95	175308	1282.4	
148 Ethyl acrylate	55	8.309	8.309	0.0	0	319573	51.9	
83 Methyl methacrylate	100	8.535	8.535	0.0	91	117318	104.9	
90 2-Nitropropane	41	8.953	8.953	0.0	97	124870	112.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.032	10.032	0.0	98	239593	50.9	
101 Tetrahydrothiophene	60	10.310	10.310	0.0	51	167891	51.2	
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	94	76227	52.7	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	89	1279016	55.6	
146 Benzyl chloride	126	13.043	13.043	0.0	99	80770	54.8	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	95	494419	52.1	

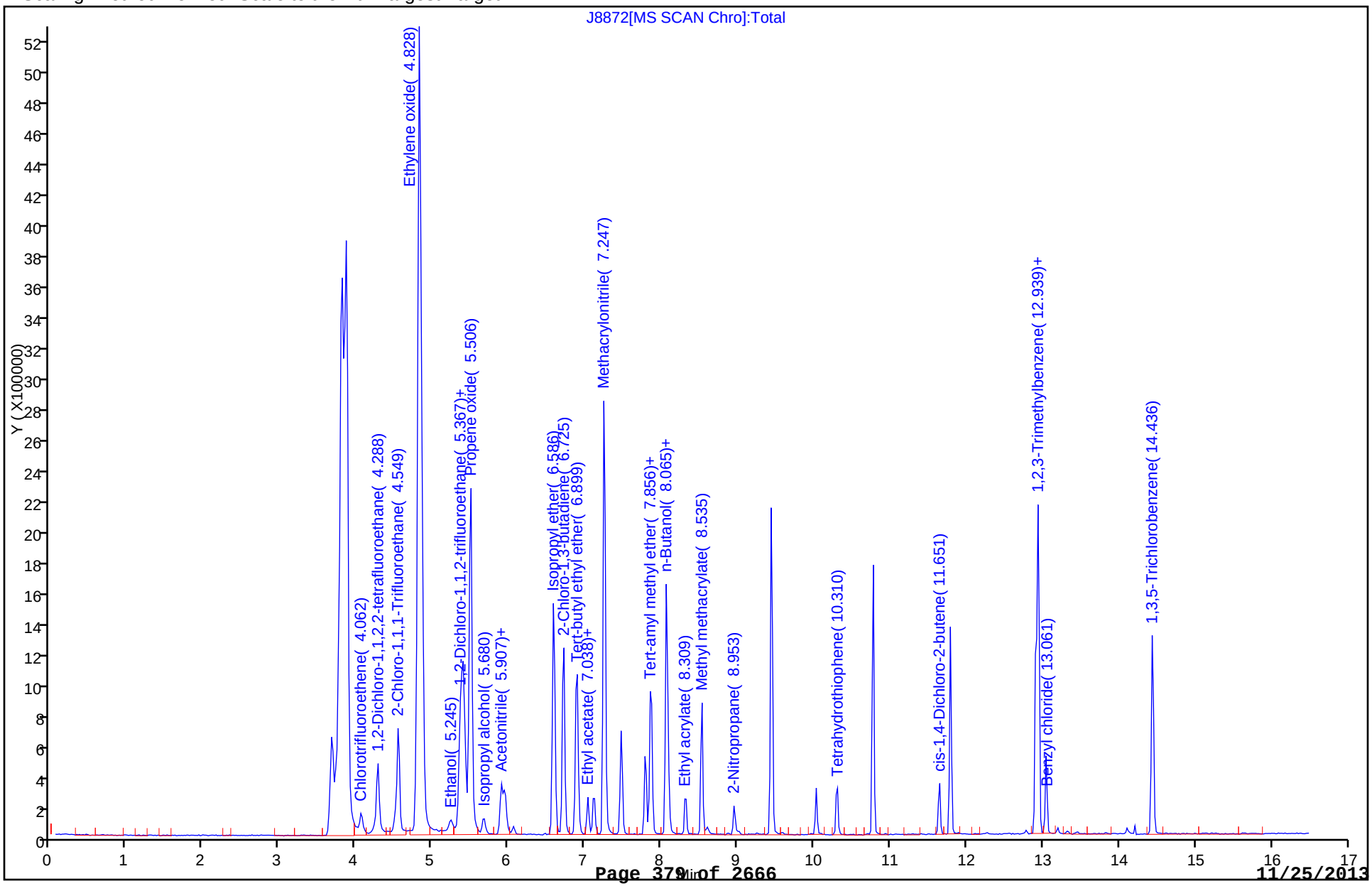
Report Date: 21-Oct-2013 23:58:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8872.D

Injection Date:	21-Oct-2013 16:06:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	7
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8873.D
Lims ID: STD100 Client ID:
Inject. Date: 21-Oct-2013 16:28:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD100
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 16
Lims Batch ID: 196983 Lims Sample ID: 8
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:07 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.946	5.946	0.0	89	408828	1000.0	
* 1 Fluorobenzene	96	8.070	8.070	0.0	97	1515358	50.0	
* 2 Chlorobenzene-d5	119	10.785	10.785	0.0	86	317350	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.909	12.909	0.0	97	420422	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.478	7.478	0.0	63	957737	99.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.791	7.791	0.0	98	832435	100.8	
$ 7 Toluene-d8 (Surr)	98	9.445	9.445	0.0	85	2965925	102.9	
$ 8 4-Bromofluorobenzene (Surr)	95	11.795	11.795	0.0	92	842072	98.8	
24 Chlorotrifluoroethene	116	4.066	4.066	0.0	96	254740	102.2	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.275	4.275	0.0	97	903313	100.3	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.554	4.554	0.0	31	1073629	98.3	
30 Ethylene oxide	43	4.832	4.832	0.0	99	5520080	18416	
35 Ethanol	45	5.250	5.250	0.0	97	312990	4407.0	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.372	5.372	0.0	91	1054476	94.2	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.407	5.407	0.0	84	1717734	98.6	
39 Propene oxide	58	5.494	5.494	0.0	96	4525065	4606.2	
44 Isopropyl alcohol	45	5.668	5.668	0.0	97	364717	1004.6	
47 Acetonitrile	41	5.912	5.912	0.0	99	638202	1021.3	
58 Isopropyl ether	87	6.590	6.590	0.0	98	594543	98.5	
60 2-Chloro-1,3-butadiene	53	6.712	6.712	0.0	95	1861284	104.1	
61 Tert-butyl ethyl ether	59	6.886	6.886	0.0	97	2479457	105.6	
62 Ethyl acetate	43	7.043	7.043	0.0	99	626591	206.3	
66 Propionitrile	54	7.112	7.112	0.0	98	611605	958.4	
68 Methacrylonitrile	41	7.252	7.252	0.0	96	3509331	1028.7	
78 Tert-amyl methyl ether	73	7.861	7.861	0.0	95	1781408	108.6	
80 n-Butanol	56	8.105	8.105	0.0	94	347616	2537.8	
148 Ethyl acrylate	55	8.314	8.314	0.0	0	648393	107.6	
83 Methyl methacrylate	100	8.540	8.540	0.0	92	235408	209.5	
90 2-Nitropropane	41	8.958	8.958	0.0	98	249195	211.2	
144 n-Butyl acetate	43	10.037	10.037	0.0	98	513438	102.9	
101 Tetrahydrothiophene	60	10.298	10.298	0.0	51	350096	103.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.638	11.638	0.0	93	155753	102.5	
127 1,2,3-Trimethylbenzene	105	12.943	12.943	0.0	99	2415267	99.0	
146 Benzyl chloride	126	13.048	13.048	0.0	99	163959	107.6	
16 1,3,5-Trichlorobenzene	180	14.440	14.440	0.0	96	922741	91.8	

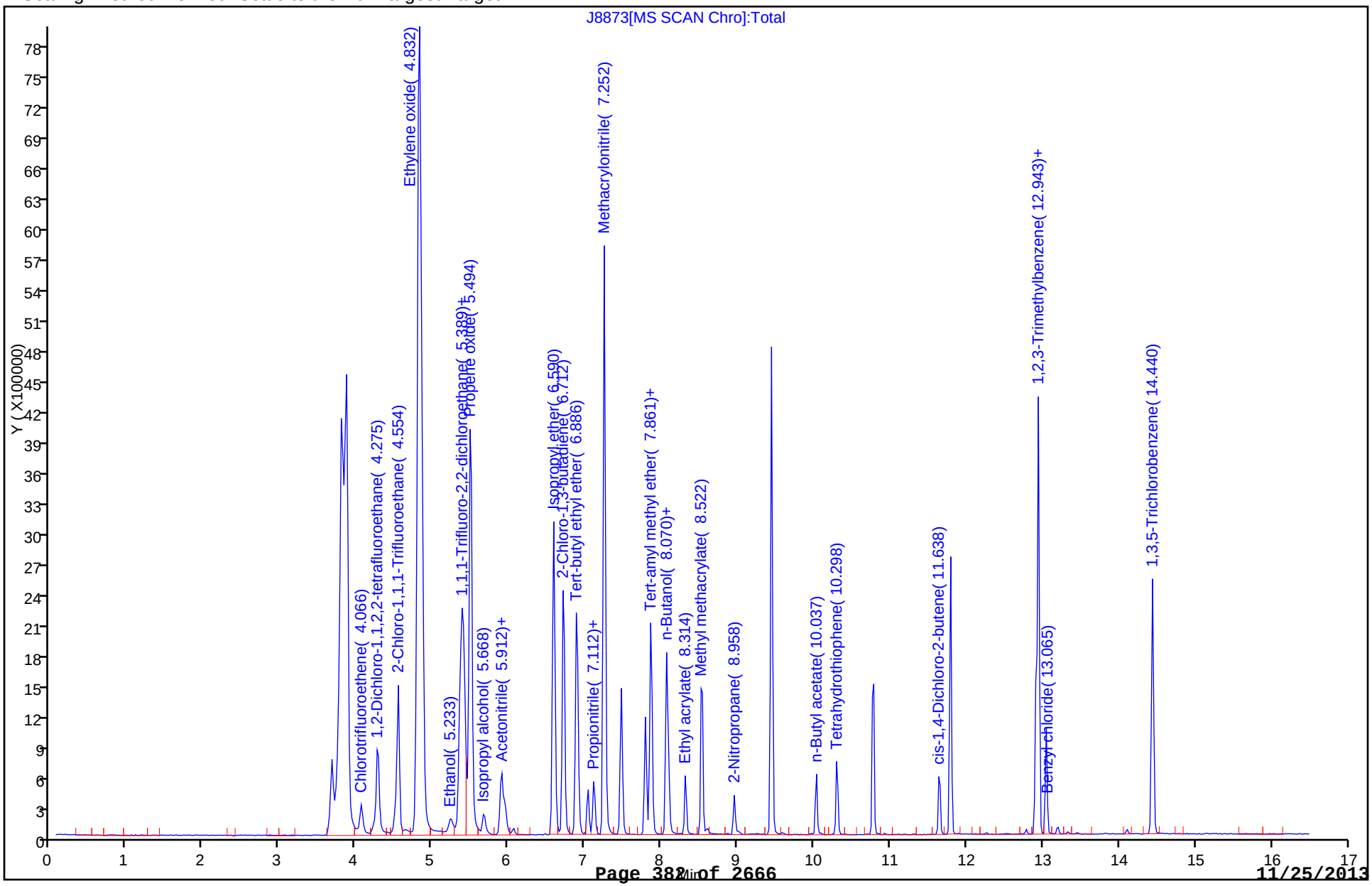
Report Date: 21-Oct-2013 23:37:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8873.D

Injection Date:	21-Oct-2013 16:28:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	8
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8874.D
Lims ID: STD200 Client ID:
Inject. Date: 21-Oct-2013 16:49:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 196983 Lims Sample ID: 9
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:08 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	77	387609	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1519625	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	86	324395	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	89	428473	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	66	1962686	203.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	97	1600776	193.2	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	6210821	210.7	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.791	0.0	88	1767273	203.4	
24 Chlorotrifluoroethene	116	4.062	4.062	0.0	96	523469	199.7	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.289	4.289	0.0	98	1826090	199.6	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.550	4.550	0.0	31	2136806	195.1	
30 Ethylene oxide	43	4.828	4.828	0.0	100	8388373	27907	
35 Ethanol	45	5.246	5.246	0.0	100	546075	8109.9	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.368	5.368	0.0	92	2062781	183.8	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.403	5.403	0.0	85	3370394	192.9	
39 Propene oxide	58	5.490	5.490	0.0	94	7823013	7940.9	
44 Isopropyl alcohol	45	5.681	5.681	0.0	99	665052	1942.7	
47 Acetonitrile	41	5.907	5.907	0.0	99	1199654	1924.7	
58 Isopropyl ether	87	6.586	6.586	0.0	98	1217857	201.3	
60 2-Chloro-1,3-butadiene	53	6.726	6.726	0.0	94	3842361	214.2	
61 Tert-butyl ethyl ether	59	6.900	6.900	0.0	98	4985780	211.7	
62 Ethyl acetate	43	7.039	7.039	0.0	99	1180940	391.8	
66 Propionitrile	54	7.126	7.126	0.0	98	1162041	1815.8	
68 Methacrylonitrile	41	7.248	7.248	0.0	96	6542984	1912.5	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	96	3601680	218.9	
80 n-Butanol	56	8.101	8.101	0.0	94	643226	4997.4	
148 Ethyl acrylate	55	8.309	8.309	0.0	0	1274914	211.1	
83 Methyl methacrylate	100	8.536	8.536	0.0	91	474893	422.4	
90 2-Nitropropane	41	8.953	8.953	0.0	98	467622	396.2	
144 n-Butyl acetate	43	10.033	10.033	0.0	98	1015037	203.2	
101 Tetrahydrothiophene	60	10.294	10.294	0.0	51	706775	203.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	91	307531	199.5	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	98	5310269	213.6	
146 Benzyl chloride	126	13.044	13.044	0.0	100	341805	219.4	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	96	2106023	205.5	

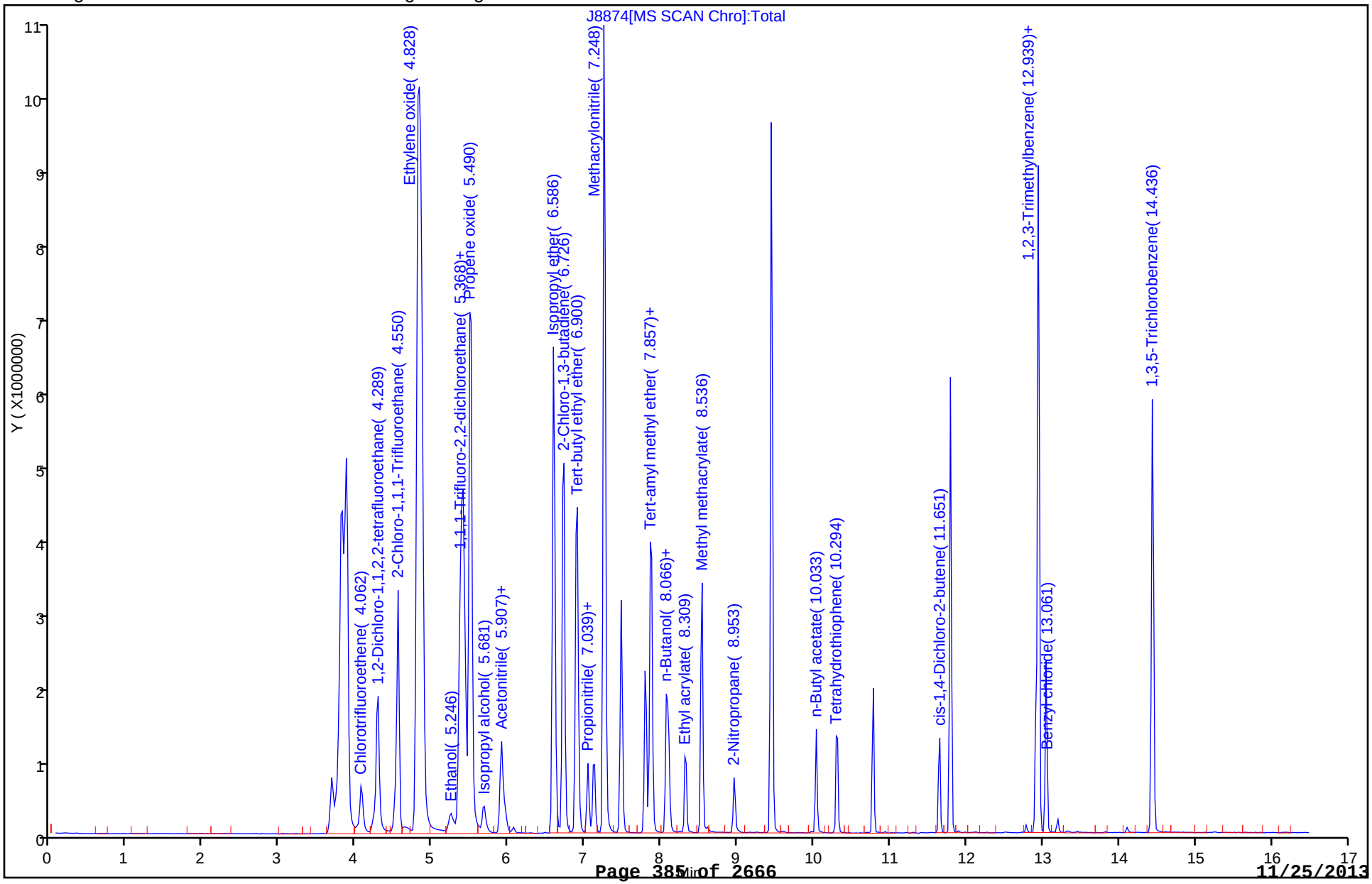
Report Date: 21-Oct-2013 23:37:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8874.D

Injection Date:	21-Oct-2013 16:49:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	9
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/11	J8876.D
Level 2	STD2 280-196983/12	J8877.D
Level 3	STD5 280-196983/13	J8878.D
Level 4	STD10 280-196983/14	J8879.D
Level 5	STD20 280-196983/15	J8880.D
Level 6	STD50 280-196983/16	J8881.D
Level 7	STD100 280-196983/17	J8882.D
Level 8	STD200 280-196983/18	J8883.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.5112	+++++ 0.4749	0.3395 0.4655	0.3224	0.3158	Lin1	-1.150	0.4787							0.9930		0.9900
Chloromethane	+++++ 0.5558	+++++ 0.5300	0.4658 0.5137	0.4462	0.4329	Ave		0.4907			0.1000	10.0		15.0			
Vinyl chloride	+++++ 0.5267	+++++ 0.4949	0.4379 0.4610	0.4388	0.4226	Ave		0.4637				8.6		30.0			
Bromomethane	0.3511 0.3303	0.3296 0.3105	0.2883 0.2965	0.2949	0.2686	Ave		0.3087				8.7		15.0			
Chloroethane	0.2880 0.2833	0.2965 0.2653	0.2498 0.2527	0.2540	0.2422	Ave		0.2665				7.6		15.0			
Dichlorofluoromethane	0.8150 0.7829	0.7676 0.7347	0.7102 0.7043	0.7119	0.6944	Ave		0.7401				5.9		15.0			
Trichlorofluoromethane	+++++ 0.6041	+++++ 0.5658	0.5313 0.5386	0.5244	0.5112	Ave		0.5459				6.2		15.0			
Ethyl ether	+++++ 0.1779	+++++ 0.1735	0.1663 0.1605	0.1717	0.1652	Ave		0.1692				3.7		15.0			
Acetone	0.2949 0.0493	0.1683 0.0408	0.0881 0.0394	0.0644	0.0492	Lin2	1.0245	0.0390							0.9950		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.3188	+++++ 0.2950	0.2763 0.2847	0.2830	0.2672	Ave		0.2875				6.2		15.0			
1,1-Dichloroethene	+++++ 0.3242	+++++ 0.3070	0.2851 0.2944	0.2901	0.2726	Ave		0.2955				6.1		30.0			
Iodomethane	0.7088 0.6399	0.6248 0.6194	0.5517 0.6179	0.5911	0.5483	Ave		0.6127				8.4		15.0			
Methyl acetate	+++++ 0.1419	+++++ 0.1332	0.1353 0.1256	0.1164	0.1283	Ave		0.1301				6.8		15.0			
Allyl chloride	+++++ 0.7374	+++++ 0.7007	0.7013 0.6830	0.6737	0.6532	Ave		0.6916				4.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	1.6323 1.4931	1.4898 1.4436	1.2882 1.4348	1.2765	1.2353	Ave		1.4117				9.6		15.0			
2-Methyl-2-propanol	+++++ 1.2760	+++++ 1.1768	1.1925 1.2175	1.0953	1.1550	Ave		1.1855				5.1		15.0			
Methylene Chloride	+++++ 0.3121	+++++ 0.2892	0.3875 0.2800	0.3263	0.2944	Ave		0.3149				12.0		15.0			
Acrylonitrile	0.0659 0.0582	0.0565 0.0551	0.0506 0.0524	0.0498	0.0504	Ave		0.0549				9.8		15.0			
Methyl tert-butyl ether	+++++ 0.5482	+++++ 0.5294	0.4522 0.5233	0.4654	0.4715	Ave		0.4983				8.0		15.0			
trans-1,2-Dichloroethene	0.3804 0.3457	0.3850 0.3395	0.3128 0.3356	0.3088	0.3098	Ave		0.3397				8.9		15.0			
Hexane	+++++ 2.8953	+++++ 2.7181	2.3680 2.7560	2.3763	2.4664	Ave		2.5967				8.6		15.0			
Vinyl acetate	+++++ 0.4190	+++++ 0.3852	0.3522 0.3232	0.3472	0.3470	Ave		0.3623				9.4		15.0			
1,1-Dichloroethane	0.7995 0.7040	0.7175 0.6730	0.6315 0.6648	0.6419	0.6243	Ave		0.6821			0.1000	8.5		15.0			
2-Butanone (MEK)	+++++ 0.1090	+++++ 0.0998	0.1003 0.0921	0.0977	0.0988	Ave		0.0996				5.5		15.0			
2-Butanol	+++++ 1.1090	+++++ 1.1045	0.8396 1.0835	0.8506	0.9633	Ave		0.9917				13.0		15.0			
cis-1,2-Dichloroethene	+++++ 0.3385	0.3370 0.3308	0.2862 0.3252	0.3038	0.3002	Ave		0.3174				6.5		15.0			
2,2-Dichloropropane	0.5549 0.5325	0.5367 0.5173	0.4560 0.5110	0.4712	0.4711	Ave		0.5063				7.1		15.0			
Chlorobromomethane	+++++ 0.1471	0.1474 0.1401	0.1340 0.1373	0.1307	0.1292	Ave		0.1380				5.3		15.0			
Chloroform	0.6670 0.5840	0.6125 0.5629	0.5207 0.5473	0.5452	0.5251	Ave		0.5706				8.6		30.0			
Tetrahydrofuran	+++++ 0.0476	0.0476 0.0456	0.0411 0.0430	0.0424	0.0413	Ave		0.0441				6.4		15.0			
1,1,1-Trichloroethane	+++++ 0.5374	+++++ 0.5129	0.4548 0.5032	0.4809	0.4770	Ave		0.4944				5.9		15.0			
Cyclohexane	0.7675 0.7330	0.6814 0.7057	0.6085 0.6882	0.6028	0.6099	Ave		0.6746				9.2		15.0			
Isobutyl alcohol	+++++ 1.4975	1.2472 1.3900	1.2684 1.3853	1.2739	1.3315	Ave		1.3420				6.6		15.0			
1,1-Dichloropropene	+++++ 0.5339	0.4987 0.5135	0.4565 0.5002	0.4633	0.4661	Ave		0.4903				5.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	0.5561 0.5240	0.5142 0.5110	0.4595 0.5013	0.4616	0.4613	Ave		0.4986				7.1		15.0			
1,2-Dichloroethane	0.3975 0.3544	0.3710 0.3320	0.3287 0.3099	0.3128	0.3189	Ave		0.3406				9.1		15.0			
Benzene	1.3546 1.2875	1.2527 1.2443	1.1272 1.2317	1.1082	1.1214	Ave		1.2160				7.3		15.0			
Trichloroethene	0.4255 0.3814	0.3967 0.3857	0.3371 0.3784	0.3458	0.3449	Ave		0.3744				8.1		15.0			
2-Pentanone	0.1948 0.1926	0.1906 0.1923	0.1621 0.1827	0.1709	0.1693	Ave		0.1819				7.0		15.0			
1,2-Dichloropropane	+++++ 0.3458	+++++ 0.3300	0.3234 0.3146	0.3149	0.3128	Ave		0.3236				3.9		30.0			
Methylcyclohexane	0.6496 0.6065	0.5726 0.5911	0.5105 0.5588	0.5193	0.5316	Ave		0.5675				8.4		15.0			
1,4-Dioxane	+++++ 0.0015	+++++ 0.0015	0.0019 0.0014	0.0018	0.0017	Ave		0.0016				11.0		15.0			
Dibromomethane	+++++ 0.1469	+++++ 0.1423	0.1247 0.1368	0.1408	0.1335	Ave		0.1375				5.7		15.0			
Dichlorobromomethane	0.4311 0.3891	0.4095 0.3738	0.3513 0.3632	0.3446	0.3424	Ave		0.3756				8.6		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0738	0.0767 0.0760	0.0685 0.0768	0.0613	0.0605	Ave		0.0705				10.0		15.0			
cis-1,3-Dichloropropene	2.2097 1.9204	1.7614 1.8641	1.6728 1.8622	1.6180	1.7203	Ave		1.8286				10.0		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.1950	+++++ 0.1852	0.1508 0.1758	0.1607	0.1646	Qua	-1.586	0.2031	0						1.0000		0.9900
Toluene	1.2074 1.2104	1.1413 1.2345	1.0023 1.1927	1.0242	1.0698	Ave		1.1353				8.0		30.0			
Ethyl methacrylate	0.9002 0.9437	0.8190 0.9508	0.6766 0.9774	0.7180	0.7788	Ave		0.8456				13.0		15.0			
trans-1,3-Dichloropropene	0.4394 0.3495	0.2836 0.3520	0.2760 0.3345	0.2953	0.3069	Lin1	-0.038	0.3385							0.9980		0.9900
1,1,2-Trichloroethane	+++++ 0.1655	+++++ 0.1603	0.1637 0.1554	0.1529	0.1488	Ave		0.1578				4.1		15.0			
2-Hexanone	+++++ 0.5726	0.5689 0.5485	0.4519 0.5404	0.4526	0.4884	Ave		0.5176				10.0		15.0			
1,3-Dichloropropane	1.6587 1.5096	1.6991 1.4348	1.3564 1.4123	1.4108	1.3895	Ave		1.4839				8.7		15.0			
Tetrachloroethene	1.4753 1.3427	1.4306 1.3438	1.2267 1.2968	1.2145	1.2267	Ave		1.3196				7.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chlorodibromomethane	1.1912 1.1201	1.0916 1.0911	0.9732 1.0849	0.9636	1.0092	Ave		1.0656				7.3		15.0			
Ethylene Dibromide	0.9315 0.7933	0.8786 0.7568	0.7566 0.7549	0.6714	0.7059	Ave		0.7811				11.0		15.0			
1-Chlorohexane	+++++ 2.0642	+++++ 2.1589	1.6231 1.9727	1.7724	1.8182	Ave		1.9016				10.0		15.0			
Chlorobenzene	3.7412 3.3364	3.7049 3.4388	3.1938 3.2482	3.1969	3.2809	Ave		3.3926			0.3000	6.5		15.0			
1,1,1,2-Tetrachloroethane	1.3450 1.2872	1.2986 1.2535	1.1494 1.2397	1.1192	1.1809	Ave		1.2342				6.3		15.0			
Ethylbenzene	1.6778 1.9018	1.8701 1.9665	1.6773 1.8451	1.7286	1.7450	Ave		1.8015				6.0		30.0			
m-Xylene & p-Xylene	4.5094 4.6405	4.1498 4.8532	3.9210 4.4669	4.1473	4.3742	Ave		4.3828				6.9		15.0			
o-Xylene	2.2318 2.0711	1.9341 2.2008	1.7541 1.9955	1.8006	1.9600	Ave		1.9935				8.6		15.0			
Styrene	2.4763 3.0546	2.3591 3.2968	2.3338 3.0259	2.3915	2.7280	Ave		2.7082				14.0		15.0			
Bromoform	0.5881 0.5826	0.5504 0.5919	0.4721 0.5808	0.4960	0.5145	Ave		0.5471			0.1000	8.6		15.0			
Isopropylbenzene	4.2090 4.1105	4.0052 4.3036	3.6519 3.9204	3.7468	3.8200	Ave		3.9709				5.8		15.0			
Cyclohexanone	+++++ 0.0481	+++++ 0.0473	0.0340 0.0478	0.0363	0.0399	Ave		0.0422				15.0		15.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5981	0.6380 0.5677	0.6093 0.5362	0.5663	0.5338	Ave		0.5785			0.3000	6.7		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1733	+++++ 0.1633	0.1606 0.1550	0.1531	0.1492	Ave		0.1591				5.4		15.0			
1,2,3-Trichloropropane	+++++ 0.1552	+++++ 0.1449	0.1570 0.1427	0.1518	0.1438	Ave		0.1492				4.2		15.0			
Bromobenzene	1.0745 0.9407	0.9644 0.9599	0.9069 0.8859	0.9004	0.8853	Ave		0.9398				6.7		15.0			
N-Propylbenzene	1.1207 1.0939	1.0841 1.2032	0.9952 1.0125	1.0647	1.0894	Ave		1.0830				5.9		15.0			
1,3,5-Trimethylbenzene	3.0055 3.1261	2.7253 3.4072	2.7510 2.8531	2.8986	2.9806	Ave		2.9684				7.5		15.0			
2-Chlorotoluene	1.1276 0.9731	1.0484 1.0232	0.9245 0.8735	0.9570	0.9621	Ave		0.9862				8.0		15.0			
4-Chlorotoluene	1.1219 0.9267	0.9170 1.0094	0.9068 0.8360	0.9389	0.9234	Ave		0.9475				9.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
tert-Butylbenzene	3.4050 3.3395	3.0945 3.6351	2.8659 3.0695	3.0803	3.2412	Ave		3.2164				7.5		15.0			
1,2,4-Trimethylbenzene	3.1522 3.0346	2.8645 3.3606	2.7838 2.7351	2.8745	2.9832	Ave		2.9736				7.0		15.0			
sec-Butylbenzene	+++++ 0.8878	0.8379 1.0525	0.7556 0.8149	0.8006	0.8583	Ave		0.8583				11.0		15.0			
4-Isopropyltoluene	3.6192 3.6585	3.1526 4.1826	3.2189 3.2744	3.4865	3.6728	Ave		3.5332				9.4		15.0			
1,3-Dichlorobenzene	2.1559 1.7870	1.9188 1.9254	1.7194 1.5981	1.7446	1.7598	Ave		1.8261				9.3		15.0			
1,4-Dichlorobenzene	+++++ 1.7013	2.0320 1.8249	1.6544 +++++	1.7226	1.7304	Ave		1.7776				7.7		15.0			
n-Butylbenzene	+++++ 3.2911	3.1080 3.8017	2.8386 2.7283	3.1500	3.3555	Ave		3.1819				11.0		15.0			
1,2-Dichlorobenzene	1.8325 1.4743	1.5849 1.5664	1.4101 1.3404	1.4570	1.4492	Ave		1.5144				10.0		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0982	+++++ 0.0959	0.0916 0.0942	0.0824	0.0844	Ave		0.0911				7.0		15.0			
1,2,4-Trichlorobenzene	+++++ 0.7955	0.8386 0.8859	0.7294 0.7132	0.7994	0.7922	Ave		0.7935				7.5		15.0			
Hexachlorobutadiene	+++++ 0.5425	+++++ 0.6437	0.5984 0.4374	0.5975	0.6114	Ave		0.5718				13.0		15.0			
Naphthalene	+++++ 1.3062	+++++ 1.3641	0.9557 1.2567	1.0431	1.0759	Lin	-0.624	1.2819							0.9970		0.9900
1,2,3-Trichlorobenzene	+++++ 0.6700	0.7281 0.7149	0.6055 0.5915	0.6225	0.6496	Ave		0.6546				8.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/11	J8876.D
Level 2	STD2 280-196983/12	J8877.D
Level 3	STD5 280-196983/13	J8878.D
Level 4	STD10 280-196983/14	J8879.D
Level 5	STD20 280-196983/15	J8880.D
Level 6	STD50 280-196983/16	J8881.D
Level 7	STD100 280-196983/17	J8882.D
Level 8	STD200 280-196983/18	J8883.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	+++++ 748214	+++++ 1506600	49426 3129878	92209	182882	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	+++++ 813419	+++++ 1681452	67825 3453775	127600	250742	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	+++++ 770788	+++++ 1569942	63757 3099681	125501	244756	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Bromomethane	FB	Ave	9727 483409	18635 984968	41979 1993351	84330	155562	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloroethane	FB	Ave	7979 414554	16761 841756	36367 1699191	72636	140267	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorofluoromethane	FB	Ave	22582 1145792	43398 2330867	103395 4735478	203601	402187	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichlorofluoromethane	FB	Ave	+++++ 884151	+++++ 1795058	77359 3621161	149971	296075	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Ethyl ether	FB	Ave	+++++ 260298	+++++ 550423	24208 1079160	49110	95680	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acetone	FB	Lin2	32685 288775	38069 518257	51327 1060578	73701	113902	4.00 200	8.00 400	20.0 800	40.0	80.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 466618	+++++ 935795	40232 1914363	80933	154728	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,1-Dichloroethene	FB	Ave	+++++ 474497	+++++ 973898	41505 1979004	82951	157858	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Iodomethane	FB	Ave	19640 936545	35322 1964882	80318 4154120	169038	317560	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl acetate	FB	Ave	+++++ 1038522	+++++ 2112180	98460 4221895	166499	371600	+++++ 250	+++++ 500	25.0 1000	50.0	100
Allyl chloride	FB	Ave	+++++ 1079243	+++++ 2222920	102107 4592300	192668	378295	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Carbon disulfide	FB	Ave	45226 2185268	84228 4579727	187549 9646479	365066	715462	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Methyl-2-propanol	TBA	Ave	+++++ 249726	+++++ 489942	22726 1022231	42452	87761	+++++ 500	+++++ 1000	50.0 2000	100	200
Methylene Chloride	FB	Ave	+++++ 456775	+++++ 917450	56411 1882687	93330	170525	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acrylonitrile	FB	Ave	18246 851101	31967 1747144	73674 3526013	142511	291977	10.0 500	20.0 1000	50.0 2000	100	200
Methyl tert-butyl ether	FB	Ave	+++++ 802340	+++++ 1679495	65836 3518301	133090	273050	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	10540 506002	21767 1076989	45544 2256297	88315	179416	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexane	CBZ	Ave	+++++ 930570	+++++ 1944915	72423 4049133	146420	304925	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Vinyl acetate	FB	Ave	+++++ 1226331	+++++ 2443976	102559 4345375	198566	401908	+++++ 100	+++++ 200	10.0 400	20.0	40.0
1,1-Dichloroethane	FB	Ave	22153 1030317	40567 2134861	91937 4469556	183567	361577	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	+++++ 638369	+++++ 1266300	58421 2477884	111776	228903	+++++ 200	+++++ 400	20.0 800	40.0	80.0
2-Butanol	TBA	Ave	+++++ 651109	+++++ 1379506	48001 2729039	98901	219576	+++++ 1500	+++++ 3000	150 6000	300	600
cis-1,2-Dichloroethene	FB	Ave	+++++ 495360	19051 1049431	41662 2186648	86894	173850	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	15375 779315	30345 1640973	66397 3435357	134754	272857	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobromomethane	FB	Ave	+++++ 215280	8336 444378	19514 922921	37373	74845	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chloroform	FB	Ave	18481 854734	34626 1785844	75812 3679581	155922	304115	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrahydrofuran	FB	Ave	+++++ 139271	5379 289601	11964 577537	24231	47812	+++++ 100	4.00 200	10.0 400	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	+++++ 786494	+++++ 1627254	66218 3383124	137519	276273	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Cyclohexane	FB	Ave	21264 1072716	38522 2238739	88592 4626909	172406	353213	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isobutyl alcohol	TBA	Ave	+++++ 732672	25164 1446762	60429 2907702	123438	252934	+++++ 1250	50.0 2500	125 5000	250	500
1,1-Dichloropropene	FB	Ave	+++++ 781373	28192 1629164	66458 3363238	132499	269964	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	15409 766959	29072 1621146	66898 3370097	132018	267148	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane	FB	Ave	11014 518671	20973 1053131	47850 2083757	89456	184680	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	37533 1884390	70824 3947363	164113 8281070	316929	649501	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	11788 558138	22430 1223497	49078 2544254	98896	199753	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Pentanone	FB	Ave	21594 1127458	43111 2439679	94384 4913303	195541	392292	4.00 200	8.00 400	20.0 800	40.0	80.0
1,2-Dichloropropane	FB	Ave	+++++ 506084	+++++ 1047004	47090 2115317	90047	181161	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Methylcyclohexane	FB	Ave	17998 887691	32374 1875089	74323 3757133	148526	307869	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	+++++ 44246	+++++ 93864	5412 188801	10062	19386	+++++ 1000	+++++ 2000	100 4000	200	400
Dibromomethane	FB	Ave	+++++ 214973	+++++ 451404	18151 919471	40271	77315	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Dichlorobromomethane	FB	Ave	11945 569425	23152 1185910	51143 2441577	98564	198315	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 108037	4336 241117	9972 516213	17518	35030	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	13410 617226	21059 1333879	51162 2735989	99700	212684	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Qua	+++++ 1141631	+++++ 2349653	87824 4728472	183856	381317	+++++ 200	+++++ 400	20.0 800	40.0	80.0
Toluene	FB	Ave	33454 1771462	64525 3916387	145928 8018649	292901	619602	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl methacrylate	CBZ	Ave	5463 303309	9792 680332	20693 1436056	44242	96285	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	FB	Lin1	12174 511520	16035 1116779	40179 2248892	84442	177732	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	FB	Ave	+++++ 242165	+++++ 508450	23838 1044553	43738	86158	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	+++++ 736137	27206 1569988	55280 3176059	111565	241519	+++++ 200	8.00 400	20.0 800	40.0	80.0
1,3-Dichloropropane	CBZ	Ave	10066 485210	20314 1026639	41484 2075000	86930	171788	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	8953 431572	17104 961570	37517 1905204	74832	151654	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorodibromomethane	CBZ	Ave	7229 360017	13051 780764	29764 1593892	59373	124767	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylene Dibromide	CBZ	Ave	5653 254978	10504 541559	23139 1109150	41368	87274	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1-Chlorohexane	CBZ	Ave	+++++ 663466	+++++ 1544774	49641 2898325	109212	224780	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	22704 1072344	44295 2460648	97680 4772210	196984	405614	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	8162 413711	15526 896920	35153 1821328	68962	145994	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	10182 611262	22358 1407151	51299 2710885	106513	215739	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	27366 1491513	49614 3472643	119920 6562758	255547	540785	1.00 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBZ	Ave	13544 665670	23124 1574778	53648 2931756	110948	242315	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Styrene	CBZ	Ave	15028 981769	28204 2359004	71377 4445734	147360	337261	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Ave	3569 187243	6580 423514	14440 853331	30565	63612	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isopropylbenzene	DCB	Ave	32826 1927496	62009 4551408	149951 8481403	312598	675549	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexanone	CBZ	Ave	+++++ 617926	+++++ 1353333	41560 2809129	89409	197527	+++++ 2000	+++++ 4000	200 8000	400	800
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 280438	9878 600427	25017 1160009	47250	94403	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 81263	+++++ 172665	6595 335391	12769	26385	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 72787	+++++ 153252	6445 308681	12668	25436	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	8380 441097	14931 1015179	37239 1916547	75121	156567	1.00 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	8740 512927	16784 1272489	40863 2190504	88828	192662	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	23440 1465858	42194 3603379	112960 6172484	241829	527100	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	8794 456285	16232 1082064	37961 1889738	79844	170142	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	8750 434532	14197 1067549	37234 1808566	78329	163298	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	26556 1565964	47910 3844428	117677 6640563	256994	573199	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	24584 1422978	44349 3554128	114307 5917297	239820	527572	1.00 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	+++++ 416323	12973 1113151	31028 1763012	66795	151784	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Isopropyltoluene	DCB	Ave	28226 1715528	48809 4423405	132172 7083865	290880	649520	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichlorobenzene	DCB	Ave	16814 837974	29707 2036249	70603 3457282	145554	311213	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 797751	31459 1929974	67930 +++++	143720	306020	+++++ 50.0	2.00 100	5.00 +++++	10.0	20.0
n-Butylbenzene	DCB	Ave	+++++ 1543265	48118 4020603	116555 5902570	262805	593411	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	14292 691331	24538 1656574	57902 2899808	121554	256281	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 46059	+++++ 101437	3763 203812	6872	14926	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 373025	12984 936926	29950 1542927	66692	140091	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Ave	+++++ 254369	+++++ 680766	24573 946254	49853	108129	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Naphthalene	DCB	Lin	+++++ 612493	+++++ 1442675	39244 2718733	87027	190276	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 314156	11272 756107	24862 1279716	51934	114874	+++++ 50.0	2.00 100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8876.D
Lims ID: STD1 Client ID:
Inject. Date: 21-Oct-2013 17:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 196983 Lims Sample ID: 11
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:09 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:11:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	82	397839	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1385352	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	87	303431	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.921	12.921	0.0	96	389952	50.0	
25 Dichlorodifluoromethane	85	4.132	4.132	0.0	90	18522	3.80	
27 Chloromethane	50	4.358	4.358	0.0	99	17617	1.30	
28 Vinyl chloride	62	4.514	4.514	0.0	97	19379	1.51	
147 Butadiene	54	4.532	4.532	0.0	93	9612	0.9732	
31 Bromomethane	94	4.897	4.897	0.0	85	9727	1.14	
32 Chloroethane	64	4.967	4.967	0.0	77	7979	1.08	
33 Dichlorofluoromethane	67	5.124	5.124	0.0	81	22582	1.10	
34 Trichlorofluoromethane	101	5.211	5.211	0.0	83	20147	1.33	
37 Ethyl ether	59	5.402	5.402	0.0	90	6835	1.46	A
40 Acrolein	56		5.547					
41 Acetone	43	5.663	5.663	0.0	89	32685	3.98	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.663	5.663	0.0	65	10138	1.27	A
45 1,1-Dichloroethene	96	5.698	5.698	0.0	93	10497	1.28	
46 Iodomethane	142	5.890	5.890	0.0	97	19640	1.16	
48 Methyl acetate	43	5.907	5.907	0.0	78	28711	7.96	
49 3-Chloro-1-propene	41	5.959	5.959	0.0	49	24489	1.28	
51 Carbon disulfide	76	5.994	5.994	0.0	98	45226	1.16	
50 2-Methyl-2-propanol	59	6.029	6.029	0.0	56	8629	18.3	
52 Methylene Chloride	84	6.064	6.064	0.0	97	29377	3.37	
53 Acrylonitrile	53	6.238	6.238	0.0	97	18246	12.0	
54 Methyl tert-butyl ether	73	6.255	6.255	0.0	89	16820	1.22	
55 trans-1,2-Dichloroethene	96	6.307	6.307	0.0	93	10540	1.12	
56 Hexane	57	6.481	6.481	0.0	87	20314	1.29	
57 Vinyl acetate	43	6.568	6.568	0.0	89	28449	2.83	
59 1,1-Dichloroethane	63	6.655	6.655	0.0	97	22153	1.17	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.056	7.056	0.0	88	26156	9.47	
64 sec-Butyl Alcohol	45	7.108	7.108	0.0	80	15148	38.4	
65 cis-1,2-Dichloroethene	96	7.108	7.108	0.0	84	11368	1.29	
67 2,2-Dichloropropane	77	7.143	7.143	0.0	82	15375	1.10	
70 Chloroform	83	7.334	7.334	0.0	89	18481	1.17	
69 Chlorobromomethane	128	7.334	7.334	0.0	87	5420	1.42	
71 Tetrahydrofuran	42	7.369	7.369	0.0	20	4728	3.87	
73 1,1,1-Trichloroethane	97	7.578	7.578	0.0	82	17262	1.26	
74 Cyclohexane	56	7.648	7.648	0.0	93	21264	1.14	
72 Isobutyl alcohol	41	7.648	7.648	0.0	30	19354	36.3	
75 1,1-Dichloropropene	75	7.682	7.682	0.0	85	18161	1.34	
76 Carbon tetrachloride	117	7.717	7.717	0.0	84	15409	1.12	
77 1,2-Dichloroethane	62	7.856	7.856	0.0	86	11014	1.17	
79 Benzene	78	7.874	7.874	0.0	97	37533	1.11	
14 n-Heptane	43	7.961	7.961	0.0	86	21411	1.06	
81 Trichloroethene	130	8.396	8.396	0.0	92	11788	1.14	
82 2-Pentanone	43	8.431	8.431	0.0	84	21594	4.28	
84 1,2-Dichloropropane	63	8.605	8.605	0.0	67	14012	1.56	
85 Methylcyclohexane	55	8.605	8.605	0.0	83	17998	1.14	
86 1,4-Dioxane	88	8.657	8.657	0.0	20	2463	55.1	
87 Dibromomethane	93	8.709	8.709	0.0	83	5033	1.32	
88 Dichlorobromomethane	83	8.796	8.796	0.0	86	11945	1.15	
89 2-Chloroethyl vinyl ether	63	8.936	8.936	0.0	14	5307	2.72	
91 cis-1,3-Dichloropropene	75	9.162	9.162	0.0	71	13410	1.21	
92 4-Methyl-2-pentanone (MIBK)	43	9.231	9.231	0.0	91	20592	11.5	
93 Toluene	91	9.510	9.510	0.0	88	33454	1.06	
94 Ethyl methacrylate	69	9.614	9.614	0.0	79	5463	1.06	
95 trans-1,3-Dichloropropene	75	9.632	9.632	0.0	94	12174	1.41	
96 1,1,2-Trichloroethane	97	9.841	9.841	0.0	85	6140	1.40	
97 2-Hexanone	43		9.981					2
98 1,3-Dichloropropane	76	10.015	10.015	0.0	88	10066	1.12	
99 Tetrachloroethene	164	10.050	10.050	0.0	92	8953	1.12	
100 Chlorodibromomethane	129	10.258	10.258	0.0	67	7229	1.12	
102 Ethylene Dibromide	107	10.415	10.415	0.0	80	5653	1.19	
103 1-Chlorohexane	91	10.676	10.676	0.0	88	12208	1.06	
104 Chlorobenzene	112	10.798	10.798	0.0	74	22704	1.10	
105 Ethylbenzene	106	10.850	10.850	0.0	91	10182	0.9313	
106 1,1,1,2-Tetrachloroethane	131	10.850	10.850	0.0	34	8162	1.09	
107 m-Xylene & p-Xylene	91	10.937	10.937	0.0	98	27366	1.03	
108 Styrene	104	11.303	11.303	0.0	76	15028	0.9144	
109 o-Xylene	106	11.303	11.303	0.0	88	13544	1.12	
110 Bromoform	173	11.546	11.546	0.0	63	3569	1.08	
111 Isopropylbenzene	105	11.616	11.616	0.0	97	32826	1.06	
113 Cyclohexanone	55	11.755	11.755	0.0	85	7544	29.4	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.860	0.0	49	8309	1.84	
115 trans-1,4-Dichloro-2-butene	53	11.895	11.895	0.0	25	4623	3.73	
116 1,2,3-Trichloropropane	110		11.930					149
118 Bromobenzene	156	11.982	11.982	0.0	61	8380	1.14	
117 N-Propylbenzene	120	11.982	11.982	0.0	92	8740	1.03	
119 1,3,5-Trimethylbenzene	105	12.121	12.121	0.0	86	23440	1.01	
120 2-Chlorotoluene	126	12.138	12.138	0.0	85	8794	1.14	
121 4-Chlorotoluene	126	12.225	12.225	0.0	94	8750	1.18	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.469	12.469	0.0	91	26556	1.06	
123 1,2,4-Trimethylbenzene	105	12.504	12.504	0.0	92	24584	1.06	
124 sec-Butylbenzene	134	12.782	12.782	0.0	33	7387	1.10	
125 4-Isopropyltoluene	119	12.782	12.782	0.0	90	28226	1.02	
126 1,3-Dichlorobenzene	146	12.852	12.852	0.0	63	16814	1.18	
128 1,4-Dichlorobenzene	146	12.939	12.939	0.0	76	17171	1.24	
129 n-Butylbenzene	91	13.200	13.200	0.0	93	30116	1.21	
130 1,2-Dichlorobenzene	146	13.357	13.357	0.0	86	14292	1.21	
131 1,2-Dibromo-3-Chloropropane	157		14.193					
132 1,2,4-Trichlorobenzene	180	15.254	15.254	0.0	81	7783	1.26	
133 Hexachlorobutadiene	225	15.428	15.428	0.0	79	6036	1.35	
134 Naphthalene	128	15.654	15.654	0.0	70	10586	1.55	
135 1,2,3-Trichlorobenzene	180	16.020	16.020	0.0	70	6322	1.24	
S 136 Trihalomethanes, Total	1				0		4.51	
S 137 Xylenes, Total (URS)	1				0		2.15	
S 138 Total BTEX	1				0		5.26	
S 139 1,3-Dichloropropene, Total	1				0		2.62	
S 140 1,2-Dichloroethene, Total	1				0		2.41	
S 141 Xylenes, Total	106				0		2.15	
S 142 1,2-Dichloroethene, Total (URS)	96				0		2.41	

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Review Flags
A - User Assigned ID

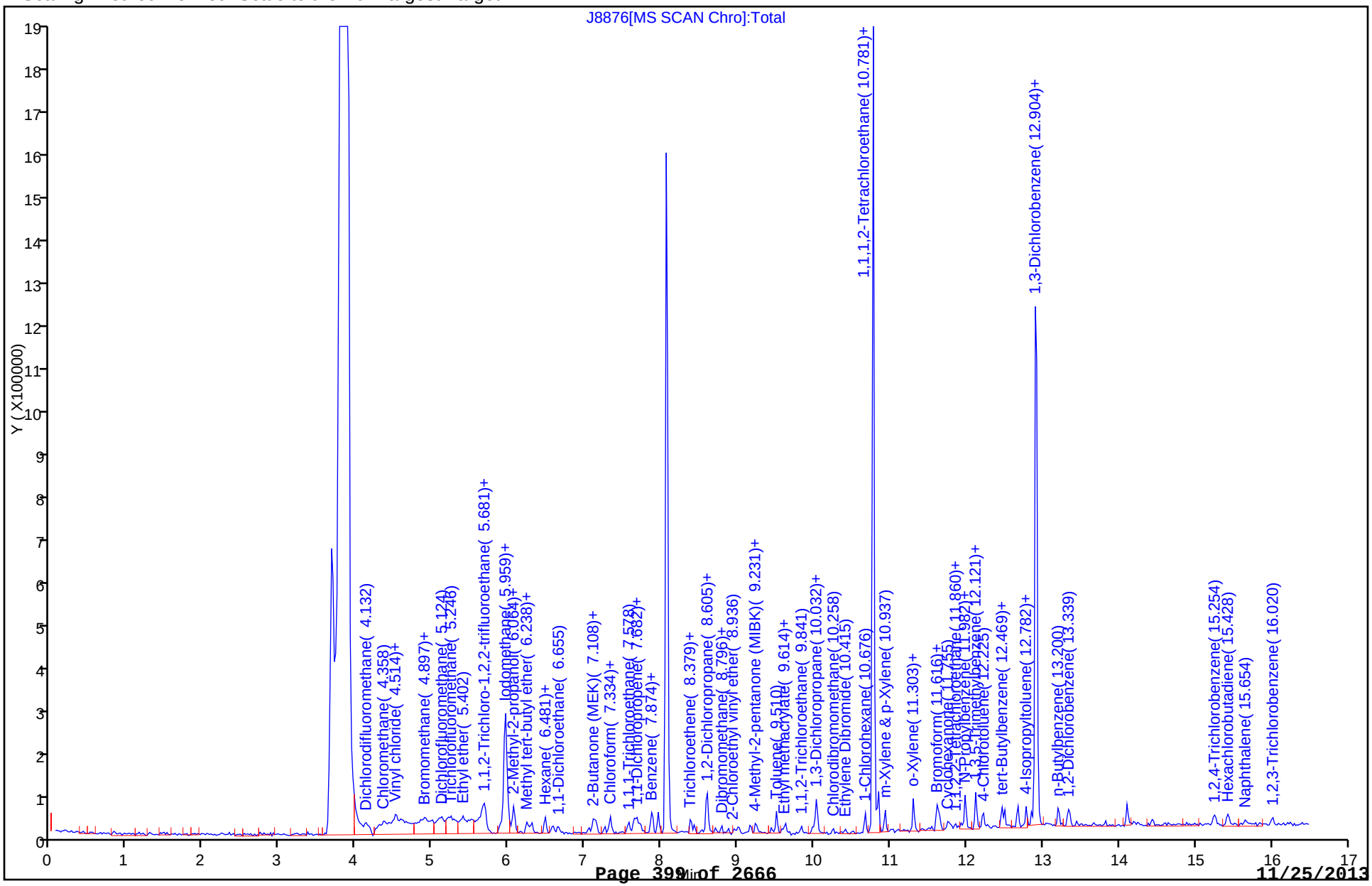
Report Date: 21-Oct-2013 23:37:09 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8876.D

Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

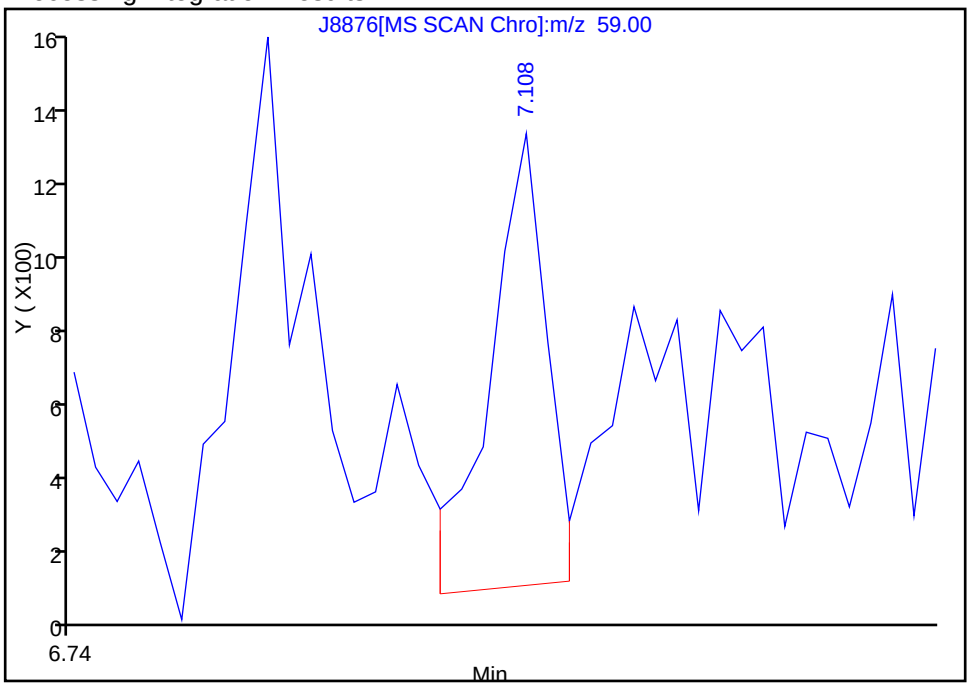
TestAmerica Denver

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Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

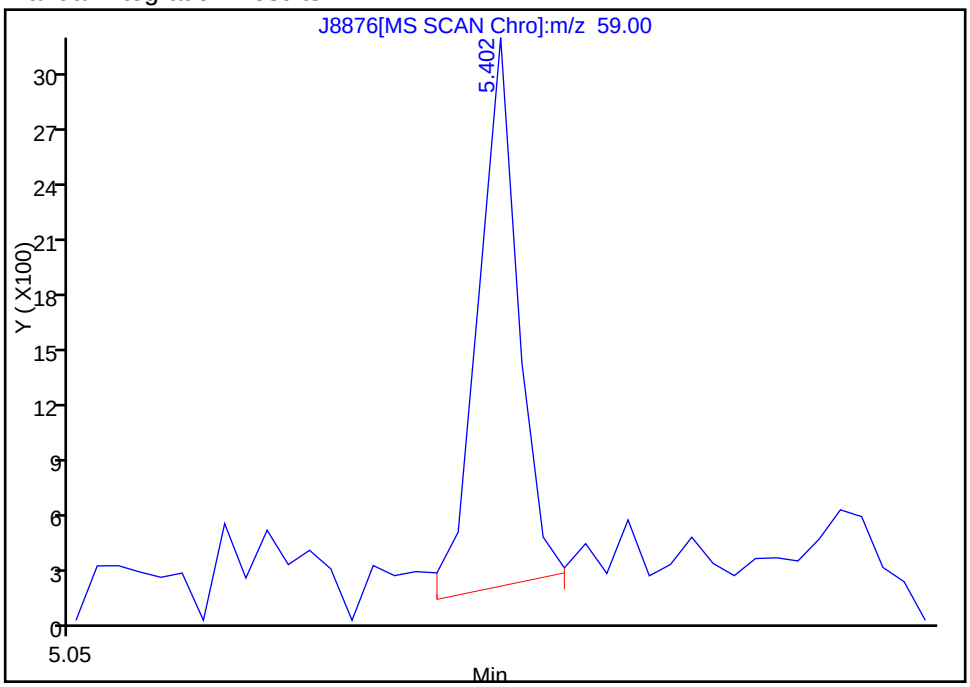
Processing Integration Results

RT: 7.11
Response: 3851
Amount: 0.823905



Manual Integration Results

RT: 5.40
Response: 6835
Amount: 1.458165



Reviewer: dukesa, 21-Oct-2013 19:52:11
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

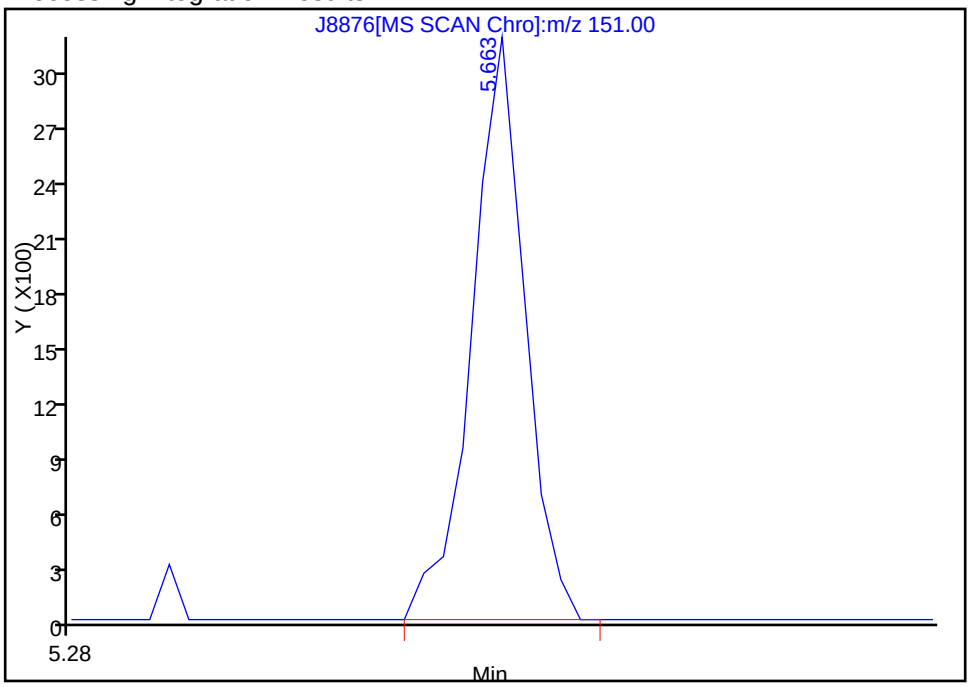
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8876.D		
Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

42 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 151.0 Type: quant, RT: 5.66

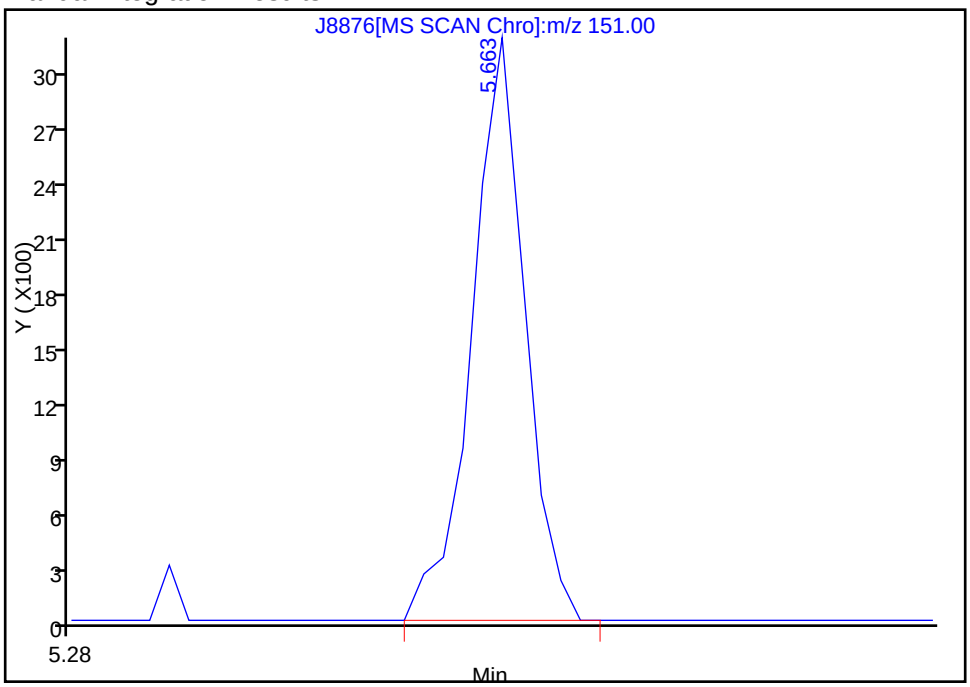
Processing Integration Results

RT: 5.66
Response: 10138
Amount: 1.196266



Manual Integration Results

RT: 5.66
Response: 10138
Amount: 1.272677



Reviewer: dukesa, 21-Oct-2013 19:48:25
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

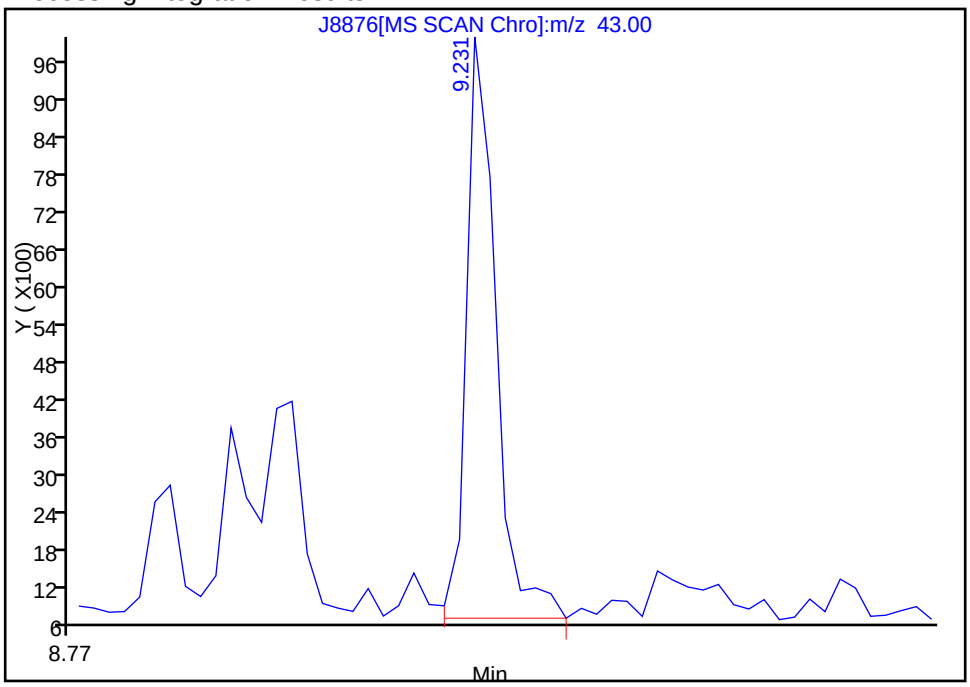
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8876.D		
Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

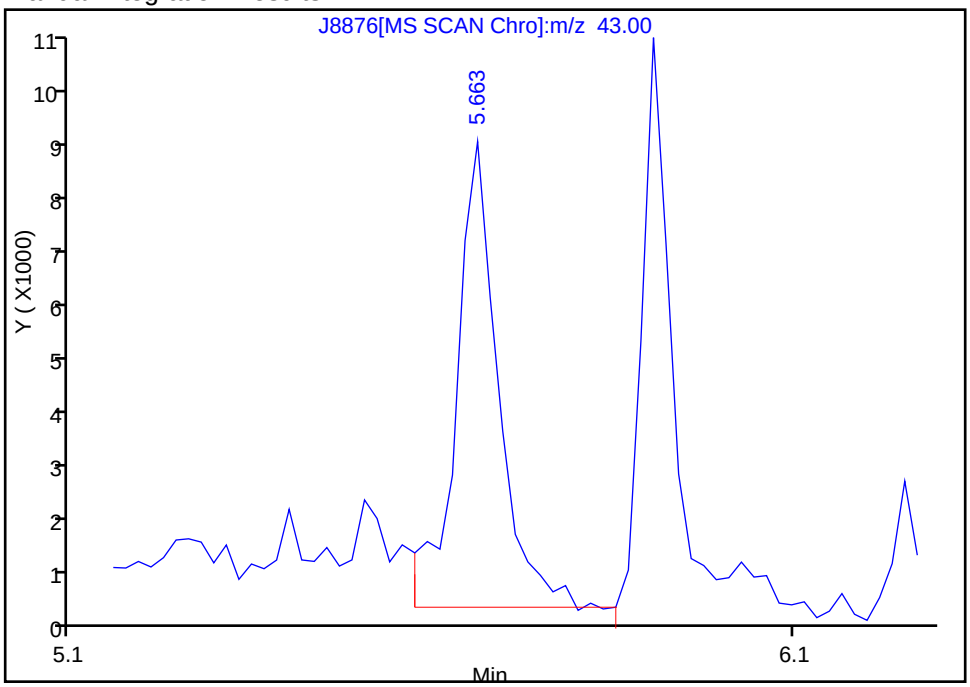
Processing Integration Results

RT: 9.23
Response: 21696
Amount: 0.936240



Manual Integration Results

RT: 5.66
Response: 32685
Amount: 3.981027



Reviewer: dukesa, 21-Oct-2013 19:48:25
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Lims ID:	STD2	Client ID:	
Inject. Date:	21-Oct-2013 17:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	20
Lims Batch ID:	196983	Lims Sample ID:	12
Sublist:	chrom-SO_VMSJ_8260*sub56		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:10	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: dukesa		Date:	21-Oct-2013 18:35:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.961	5.961	0.0	84	403523	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1413405	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	85	298891	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	97	387054	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	92	25193	4.26	
27 Chloromethane	50	4.359	4.359	0.0	100	31464	2.27	
28 Vinyl chloride	62	4.516	4.516	0.0	98	30259	2.31	
147 Butadiene	54	4.533	4.533	0.0	93	19771	1.96	
31 Bromomethane	94	4.899	4.899	0.0	88	18635	2.14	
32 Chloroethane	64	4.968	4.968	0.0	91	16761	2.23	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	88	43398	2.07	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	97	34985	2.27	
37 Ethyl ether	59	5.404	5.404	0.0	87	10863	2.27	A
40 Acrolein	56		5.547					39
41 Acetone	43	5.665	5.665	0.0	88	38069	8.27	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.665	5.665	0.0	76	18318	2.25	
45 1,1-Dichloroethene	96	5.699	5.699	0.0	98	19368	2.32	A
46 Iodomethane	142	5.891	5.891	0.0	94	35322	2.04	
48 Methyl acetate	43	5.908	5.908	0.0	88	48146	13.1	
49 3-Chloro-1-propene	41	5.961	5.961	0.0	51	47710	2.44	
51 Carbon disulfide	76	5.978	5.978	0.0	99	84228	2.11	
50 2-Methyl-2-propanol	59	6.013	6.013	0.0	67	12727	26.6	
52 Methylene Chloride	84	6.065	6.065	0.0	88	33822	3.80	
53 Acrylonitrile	53	6.222	6.222	0.0	96	31967	20.6	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	93	32334	2.30	
55 trans-1,2-Dichloroethene	96	6.309	6.309	0.0	95	21767	2.27	
56 Hexane	57	6.483	6.483	0.0	89	34085	2.20	
57 Vinyl acetate	43	6.570	6.570	0.0	97	44174	4.31	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	98	40567	2.10	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	97	33356	11.8	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	78	22576	56.4	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	87	19051	2.12	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	93	30345	2.12	
70 Chloroform	83	7.336	7.336	0.0	93	34626	2.15	
69 Chlorobromomethane	128	7.318	7.318	0.0	84	8336	2.14	
71 Tetrahydrofuran	42	7.353	7.353	0.0	72	5379	4.32	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	84	31447	2.25	
74 Cyclohexane	56	7.649	7.649	0.0	95	38522	2.02	
72 Isobutyl alcohol	41	7.649	7.649	0.0	35	25164	46.5	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	89	28192	2.03	
76 Carbon tetrachloride	117	7.719	7.719	0.0	85	29072	2.06	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	93	20973	2.18	
79 Benzene	78	7.875	7.875	0.0	98	70824	2.06	
14 n-Heptane	43	7.962	7.962	0.0	94	40232	1.95	
81 Trichloroethene	130	8.380	8.380	0.0	92	22430	2.12	
82 2-Pentanone	43	8.432	8.432	0.0	87	43111	8.38	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	70	23902	2.61	
85 Methylcyclohexane	55	8.589	8.589	0.0	86	32374	2.02	
86 1,4-Dioxane	88	8.658	8.658	0.0	49	4209	92.2	
87 Dibromomethane	93	8.711	8.711	0.0	83	9705	2.50	
88 Dichlorobromomethane	83	8.798	8.798	0.0	92	23152	2.18	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	72	4336	2.18	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	81	21059	1.93	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	94	38388	14.5	
93 Toluene	91	9.511	9.511	0.0	89	64525	2.01	
94 Ethyl methacrylate	69	9.616	9.616	0.0	77	9792	1.94	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	93	16035	1.79	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	88	12484	2.80	
97 2-Hexanone	43	9.981	9.981	0.0	95	27206	8.79	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	92	20314	2.29	
99 Tetrachloroethene	164	10.034	10.034	0.0	89	17104	2.17	
100 Chlorodibromomethane	129	10.260	10.260	0.0	78	13051	2.05	
102 Ethylene Dibromide	107	10.399	10.399	0.0	84	10504	2.25	
103 1-Chlorohexane	91	10.678	10.678	0.0	83	20162	1.77	
104 Chlorobenzene	112	10.799	10.799	0.0	87	44295	2.18	
105 Ethylbenzene	106	10.852	10.852	0.0	92	22358	2.08	
106 1,1,1,2-Tetrachloroethane	131	10.852	10.852	0.0	36	15526	2.10	
107 m-Xylene & p-Xylene	91	10.939	10.939	0.0	99	49614	1.89	
108 Styrene	104	11.304	11.304	0.0	77	28204	1.74	
109 o-Xylene	106	11.304	11.304	0.0	85	23124	1.94	
110 Bromoform	173	11.548	11.548	0.0	77	6580	2.01	
111 Isopropylbenzene	105	11.617	11.617	0.0	95	62009	2.02	
113 Cyclohexanone	55	11.757	11.757	0.0	88	16745	66.3	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	77	9878	2.21	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	29	2800	2.27	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	50	3482	3.01	
118 Bromobenzene	156	11.983	11.983	0.0	50	14931	2.05	
117 N-Propylbenzene	120	11.983	11.983	0.0	93	16784	2.00	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	86	42194	1.84	
120 2-Chlorotoluene	126	12.122	12.122	0.0	88	16232	2.13	
121 4-Chlorotoluene	126	12.227	12.227	0.0	95	14197	1.94	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	91	47910	1.92	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	97	44349	1.93	
124 sec-Butylbenzene	134	12.679	12.679	0.0	90	12973	1.95	
125 4-Isopropyltoluene	119	12.784	12.784	0.0	89	48809	1.78	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	86	29707	2.10	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	82	31459	2.29	
129 n-Butylbenzene	91	13.201	13.201	0.0	94	48118	1.95	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	97	24538	2.09	
131 1,2-Dibromo-3-Chloropropane	157	14.194	14.194	0.0	47	1803	2.56	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	81	12984	2.11	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	81	10436	2.36	
134 Naphthalene	128	15.656	15.656	0.0	86	17372	2.24	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	81	11272	2.22	
S 136 Trihalomethanes, Total	1				0		8.39	
S 137 Xylenes, Total (URS)	1				0		3.83	
S 138 Total BTEX	1				0		9.98	
S 139 1,3-Dichloropropene, Total	1				0		3.71	
S 140 1,2-Dichloroethene, Total	1				0		4.39	
S 141 Xylenes, Total	106				0		3.83	
S 142 1,2-Dichloroethene, Total (URS)	96				0		4.39	

QC Flag Legend

Processing Flags
3 - Failed RT Window Test
9 - Failed A Reference Spectral Test

Review Flags
A - User Assigned ID

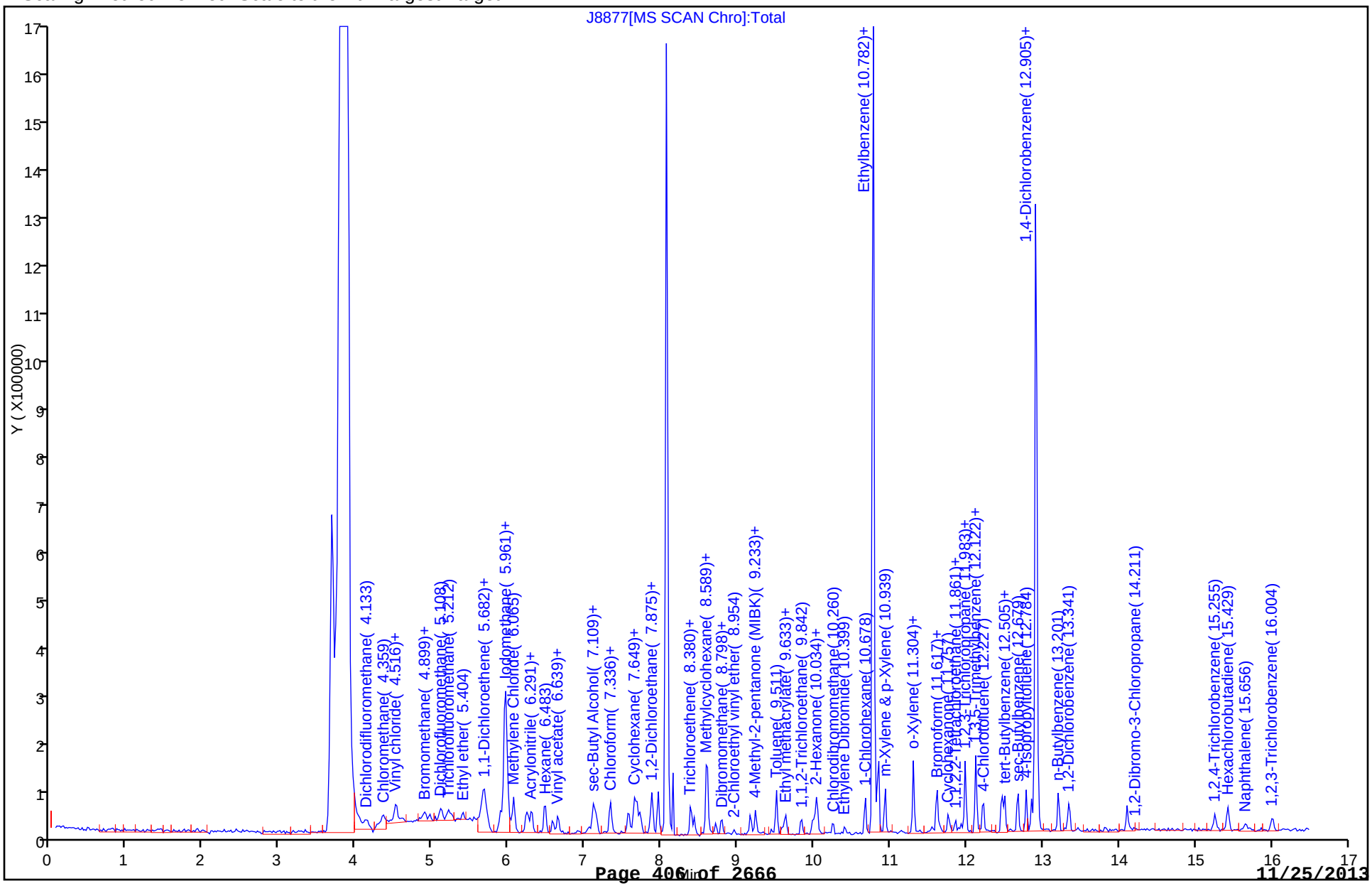
Report Date: 21-Oct-2013 23:37:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D

Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

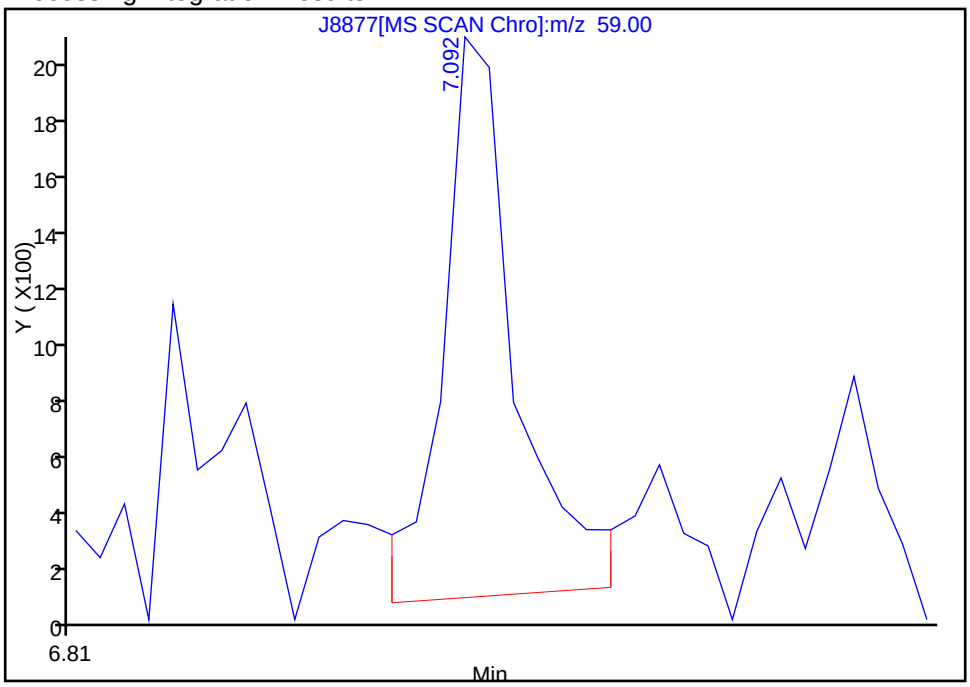
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

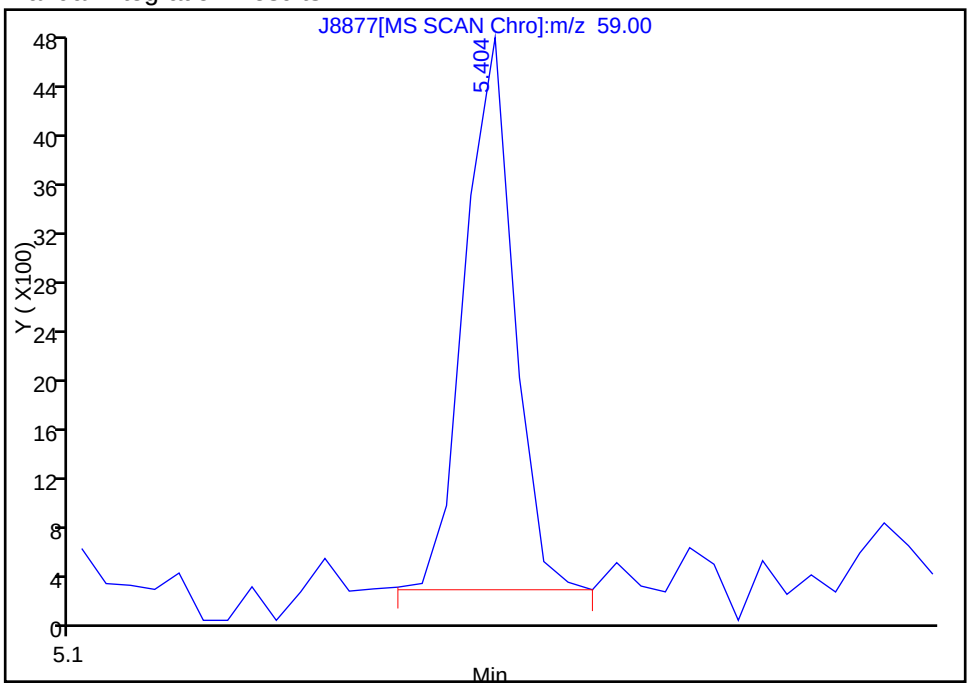
Processing Integration Results

RT: 7.09
Response: 7168
Amount: 1.606882



Manual Integration Results

RT: 5.40
Response: 10863
Amount: 2.271493



Reviewer: dukesa, 21-Oct-2013 19:51:52
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

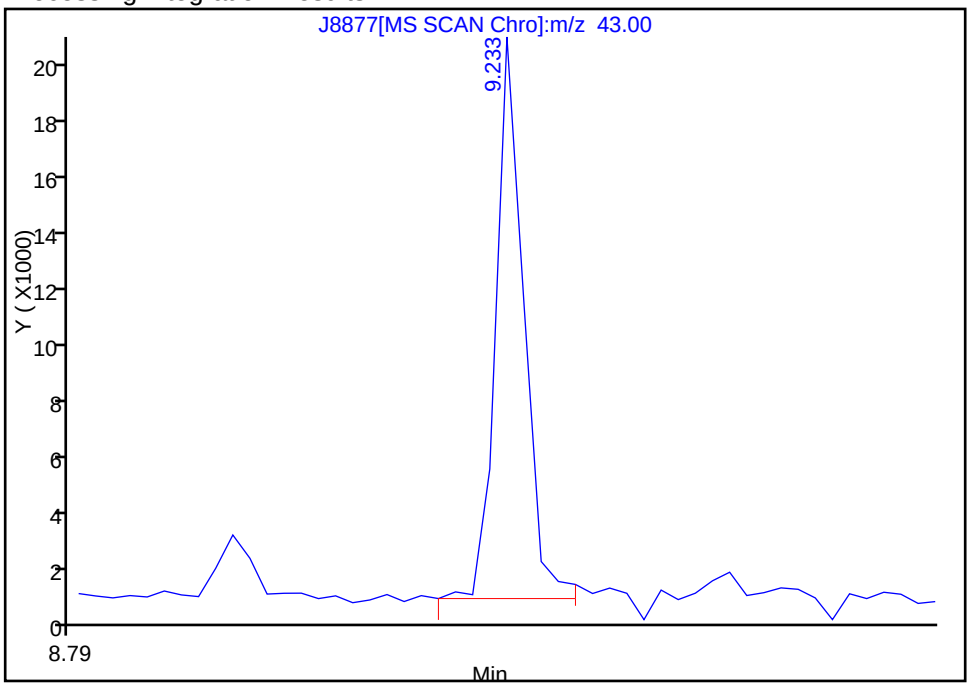
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

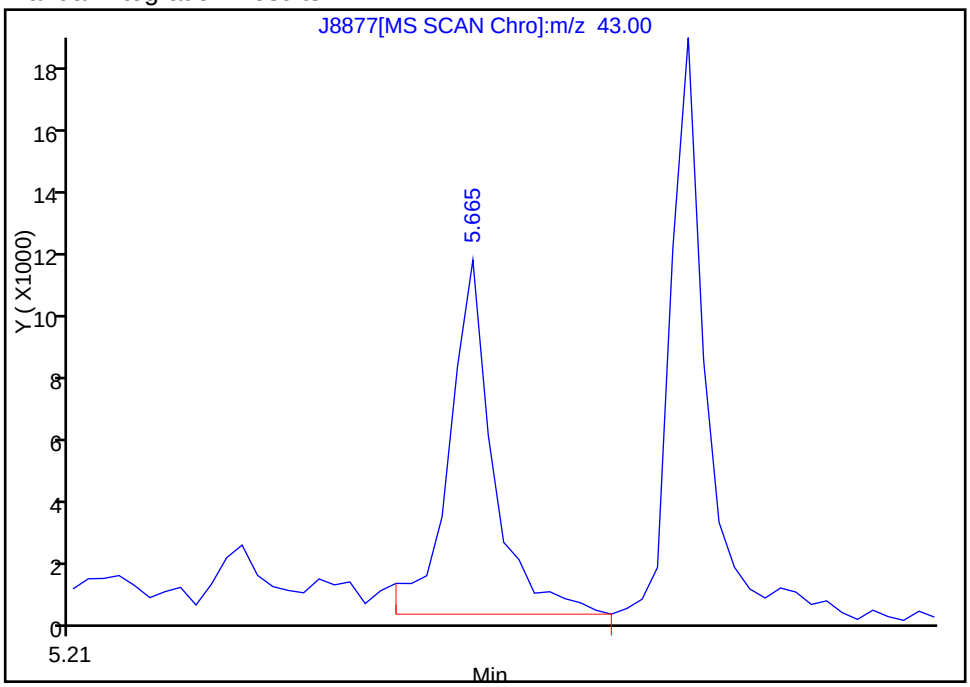
Processing Integration Results

RT: 9.23
Response: 38990
Amount: 14.020973



Manual Integration Results

RT: 5.66
Response: 38069
Amount: 8.267239



Reviewer: dukesa, 21-Oct-2013 19:47:49
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

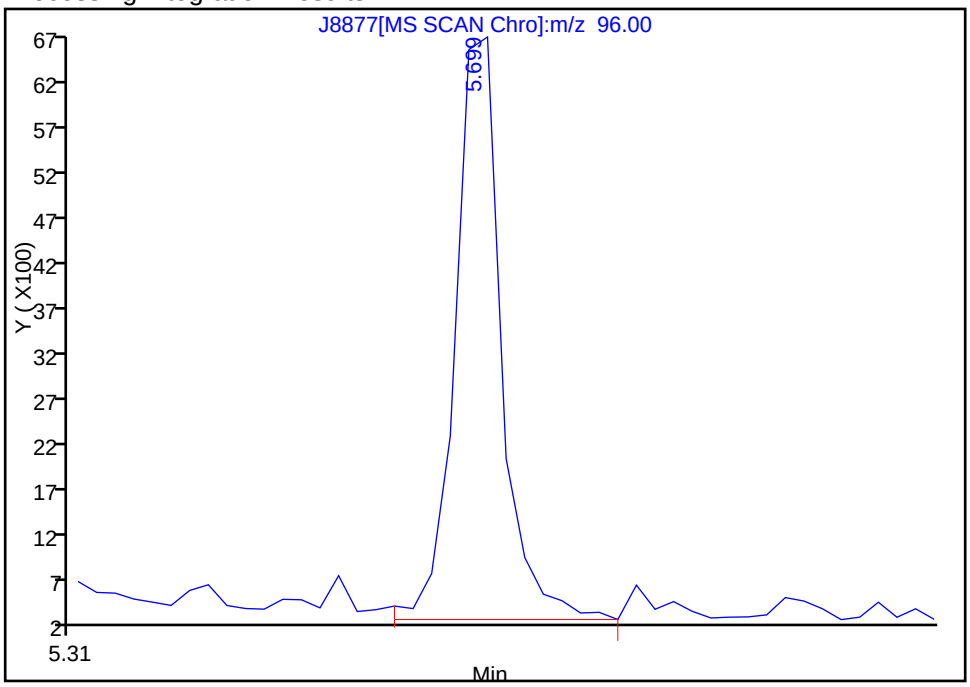
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

45 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 5.70

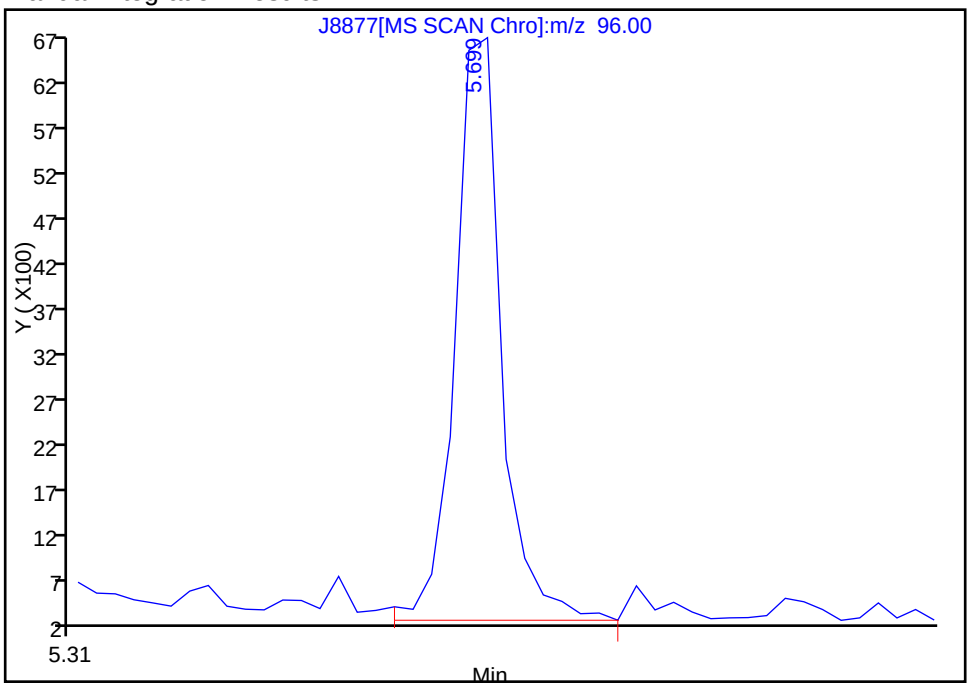
Processing Integration Results

RT: 5.70
Response: 19368
Amount: 2.171270



Manual Integration Results

RT: 5.70
Response: 19368
Amount: 2.318315



Reviewer: dukesa, 21-Oct-2013 19:47:49
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D
Lims ID: STD5 Client ID:
Inject. Date: 21-Oct-2013 18:15:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD5
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 196983 Lims Sample ID: 13
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:10 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:35:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.944	5.944	0.0	84	381135	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1455946	50.0	
* 2 Chlorobenzene-d5	119	10.783	10.783	0.0	85	305843	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.906	12.906	0.0	96	410614	50.0	
25 Dichlorodifluoromethane	85	4.134	4.134	0.0	94	49426	5.95	
27 Chloromethane	50	4.360	4.360	0.0	98	67825	4.75	
28 Vinyl chloride	62	4.517	4.517	0.0	98	63757	4.72	
147 Butadiene	54	4.534	4.534	0.0	93	43136	4.16	
31 Bromomethane	94	4.899	4.899	0.0	93	41979	4.67	
32 Chloroethane	64	4.969	4.969	0.0	98	36367	4.69	
33 Dichlorofluoromethane	67	5.126	5.126	0.0	92	103395	4.80	
34 Trichlorofluoromethane	101	5.213	5.213	0.0	93	77359	4.87	
37 Ethyl ether	59	5.404	5.404	0.0	91	24208	4.91	A
40 Acrolein	56		5.547					
41 Acetone	43	5.665	5.665	0.0	89	51327	18.9	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.665	5.665	0.0	93	40232	4.81	
45 1,1-Dichloroethene	96	5.683	5.683	0.0	88	41505	4.82	A
46 Iodomethane	142	5.874	5.874	0.0	97	80318	4.50	
48 Methyl acetate	43	5.909	5.909	0.0	88	98460	26.0	
49 3-Chloro-1-propene	41	5.961	5.961	0.0	62	102107	5.07	
51 Carbon disulfide	76	5.979	5.979	0.0	99	187549	4.56	
50 2-Methyl-2-propanol	59	6.013	6.013	0.0	75	22726	50.3	
52 Methylene Chloride	84	6.066	6.066	0.0	90	56411	6.15	
53 Acrylonitrile	53	6.222	6.222	0.0	99	73674	46.1	
54 Methyl tert-butyl ether	73	6.257	6.257	0.0	98	65836	4.54	
55 trans-1,2-Dichloroethene	96	6.309	6.309	0.0	95	45544	4.60	
56 Hexane	57	6.483	6.483	0.0	92	72423	4.56	
57 Vinyl acetate	43	6.570	6.570	0.0	90	102559	9.72	
59 1,1-Dichloroethane	63	6.640	6.640	0.0	97	91937	4.63	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.058	7.058	0.0	98	58421	20.1	
65 cis-1,2-Dichloroethene	96	7.110	7.110	0.0	88	41662	4.51	
64 sec-Butyl Alcohol	45	7.093	7.093	0.0	97	48001	127.0	
67 2,2-Dichloropropane	77	7.145	7.145	0.0	93	66397	4.50	
70 Chloroform	83	7.336	7.336	0.0	96	75812	4.56	
69 Chlorobromomethane	128	7.336	7.336	0.0	85	19514	4.86	
71 Tetrahydrofuran	42	7.354	7.354	0.0	72	11964	9.32	
73 1,1,1-Trichloroethane	97	7.580	7.580	0.0	90	66218	4.60	
74 Cyclohexane	56	7.650	7.650	0.0	96	88592	4.51	
72 Isobutyl alcohol	41	7.650	7.650	0.0	43	60429	118.1	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	87	66458	4.65	
76 Carbon tetrachloride	117	7.719	7.719	0.0	86	66898	4.61	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	95	47850	4.82	
79 Benzene	78	7.876	7.876	0.0	98	164113	4.63	
14 n-Heptane	43	7.963	7.963	0.0	94	94388	4.45	
81 Trichloroethene	130	8.381	8.381	0.0	92	49078	4.50	
82 2-Pentanone	43	8.433	8.433	0.0	95	94384	17.8	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	72	47090	5.00	
85 Methylcyclohexane	55	8.589	8.589	0.0	86	74323	4.50	
86 1,4-Dioxane	88	8.659	8.659	0.0	75	5412	115.1	
87 Dibromomethane	93	8.711	8.711	0.0	84	18151	4.53	
88 Dichlorobromomethane	83	8.798	8.798	0.0	94	51143	4.68	
89 2-Chloroethyl vinyl ether	63	8.955	8.955	0.0	75	9972	4.86	
91 cis-1,3-Dichloropropene	75	9.164	9.164	0.0	79	51162	4.57	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	89	87824	22.7	
93 Toluene	91	9.512	9.512	0.0	91	145928	4.41	
94 Ethyl methacrylate	69	9.616	9.616	0.0	84	20693	4.00	
95 trans-1,3-Dichloropropene	75	9.634	9.634	0.0	97	40179	4.19	
96 1,1,2-Trichloroethane	97	9.843	9.843	0.0	93	23838	5.19	
97 2-Hexanone	43	9.982	9.982	0.0	95	55280	17.5	
98 1,3-Dichloropropane	76	10.017	10.017	0.0	96	41484	4.57	
99 Tetrachloroethene	164	10.034	10.034	0.0	89	37517	4.65	
100 Chlorodibromomethane	129	10.260	10.260	0.0	88	29764	4.57	
102 Ethylene Dibromide	107	10.400	10.400	0.0	90	23139	4.84	
103 1-Chlorohexane	91	10.678	10.678	0.0	89	49641	4.27	
104 Chlorobenzene	112	10.800	10.800	0.0	85	97680	4.71	
105 Ethylbenzene	106	10.852	10.852	0.0	94	51299	4.66	
106 1,1,1,2-Tetrachloroethane	131	10.852	10.852	0.0	32	35153	4.66	
107 m-Xylene & p-Xylene	91	10.939	10.939	0.0	99	119920	4.47	
108 Styrene	104	11.305	11.305	0.0	80	71377	4.31	
109 o-Xylene	106	11.305	11.305	0.0	87	53648	4.40	
110 Bromoform	173	11.548	11.548	0.0	91	14440	4.32	
111 Isopropylbenzene	105	11.618	11.618	0.0	96	149951	4.60	
113 Cyclohexanone	55	11.757	11.757	0.0	92	41560	160.9	
114 1,1,2,2-Tetrachloroethane	83	11.844	11.844	0.0	87	25017	5.27	
115 trans-1,4-Dichloro-2-butene	53	11.897	11.897	0.0	53	6595	5.05	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	67	6445	5.26	
118 Bromobenzene	156	11.984	11.984	0.0	59	37239	4.83	
117 N-Propylbenzene	120	11.984	11.984	0.0	94	40863	4.59	
119 1,3,5-Trimethylbenzene	105	12.123	12.123	0.0	85	112960	4.63	
120 2-Chlorotoluene	126	12.123	12.123	0.0	89	37961	4.69	
121 4-Chlorotoluene	126	12.227	12.227	0.0	96	37234	4.79	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.471	12.471	0.0	93	117677	4.46	
123 1,2,4-Trimethylbenzene	105	12.506	12.506	0.0	90	114307	4.68	
125 4-Isopropyltoluene	119	12.784	12.784	0.0	91	132172	4.56	
124 sec-Butylbenzene	134	12.680	12.680	0.0	91	31028	4.40	
126 1,3-Dichlorobenzene	146	12.854	12.854	0.0	91	70603	4.71	
128 1,4-Dichlorobenzene	146	12.941	12.941	0.0	85	67930	4.65	
129 n-Butylbenzene	91	13.202	13.202	0.0	95	116555	4.46	
130 1,2-Dichlorobenzene	146	13.359	13.359	0.0	97	57902	4.66	
131 1,2-Dibromo-3-Chloropropane	157	14.194	14.194	0.0	56	3763	5.03	
132 1,2,4-Trichlorobenzene	180	15.256	15.256	0.0	94	29950	4.60	
133 Hexachlorobutadiene	225	15.430	15.430	0.0	89	24573	5.23	
134 Naphthalene	128	15.656	15.656	0.0	95	39244	4.21	
135 1,2,3-Trichlorobenzene	180	16.022	16.022	0.0	89	24862	4.63	
S 136 Trihalomethanes, Total	1				0		18.1	
S 137 Xylenes, Total (URS)	1				0		8.87	
S 138 Total BTEX	1				0		22.6	
S 139 1,3-Dichloropropene, Total	1				0		8.76	
S 140 1,2-Dichloroethene, Total	1				0		9.11	
S 141 Xylenes, Total	106				0		8.87	
S 142 1,2-Dichloroethene, Total (URS)	96				0		9.11	

QC Flag Legend

Review Flags
A - User Assigned ID

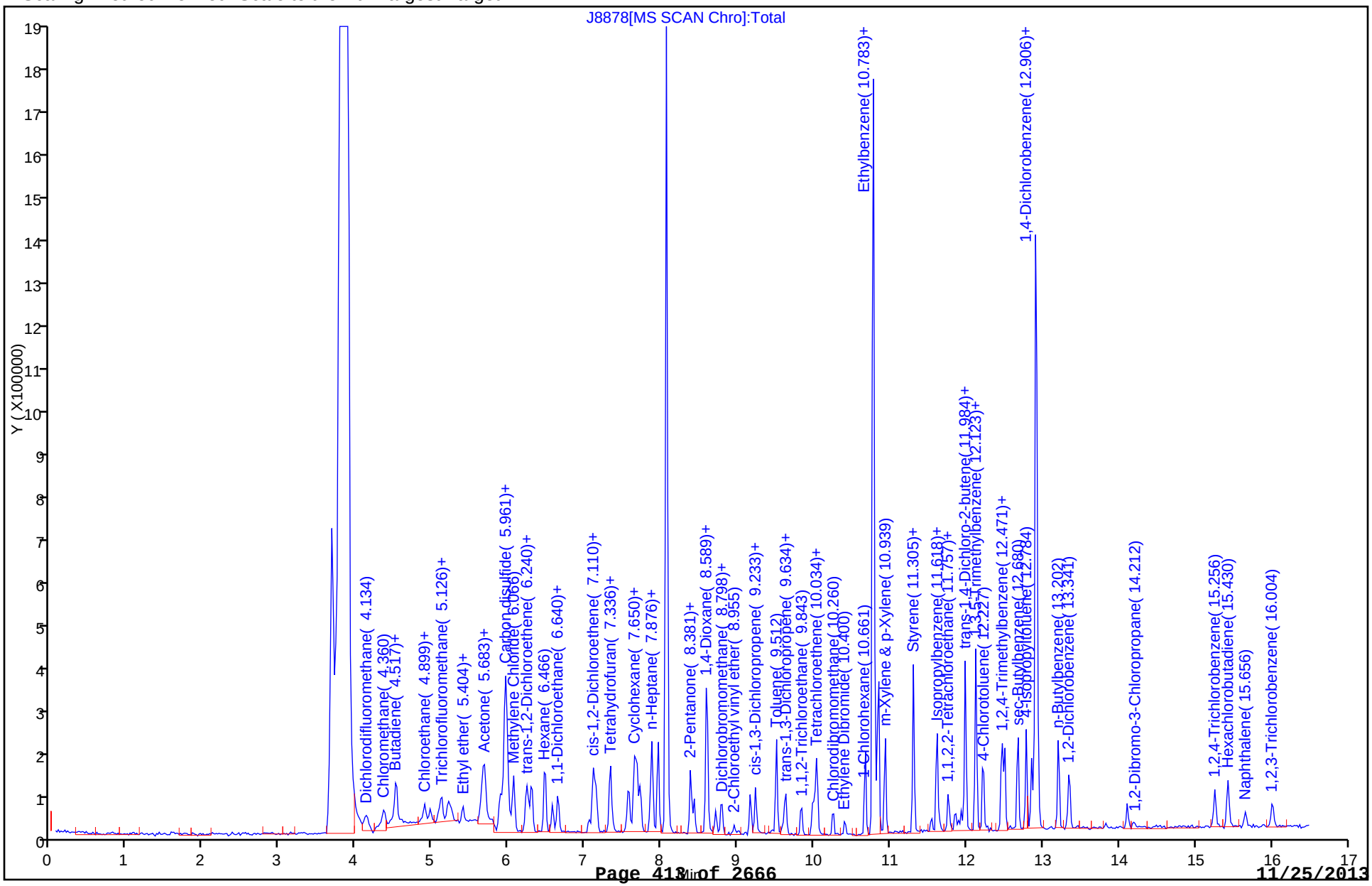
Report Date: 21-Oct-2013 23:37:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D

Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

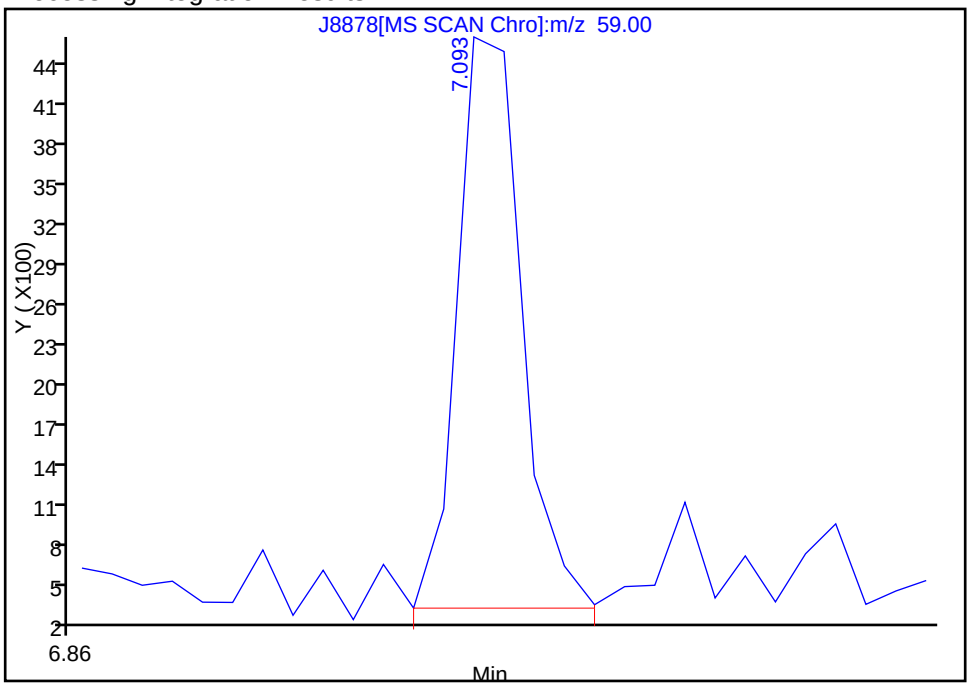
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D		
Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

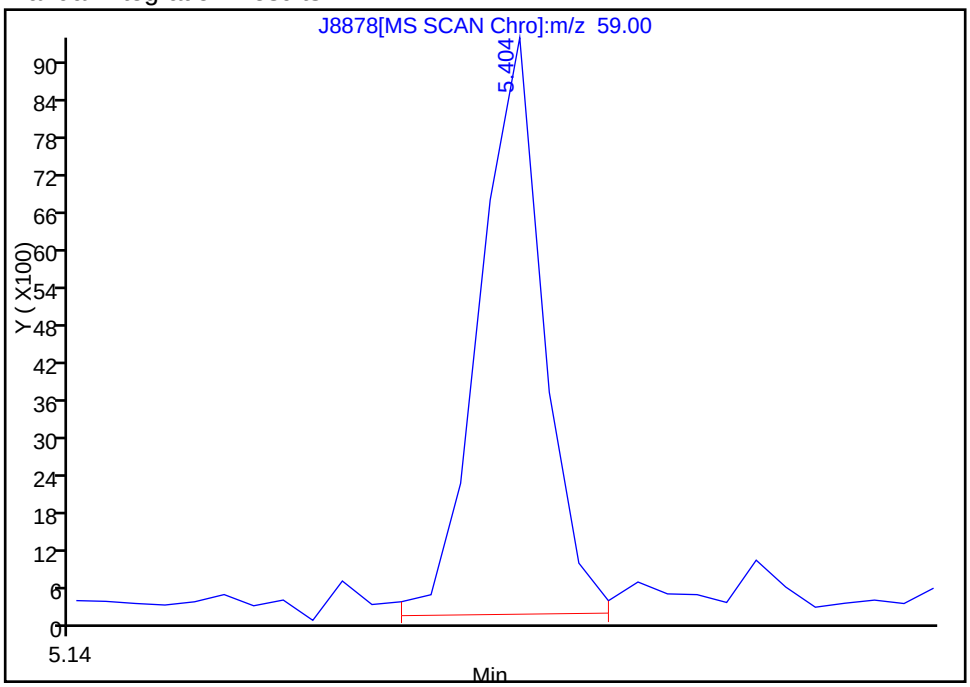
Processing Integration Results

RT: 7.09
Response: 10852
Amount: 3.219214



Manual Integration Results

RT: 5.40
Response: 24208
Amount: 4.914075



Reviewer: dukesa, 21-Oct-2013 19:51:36
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

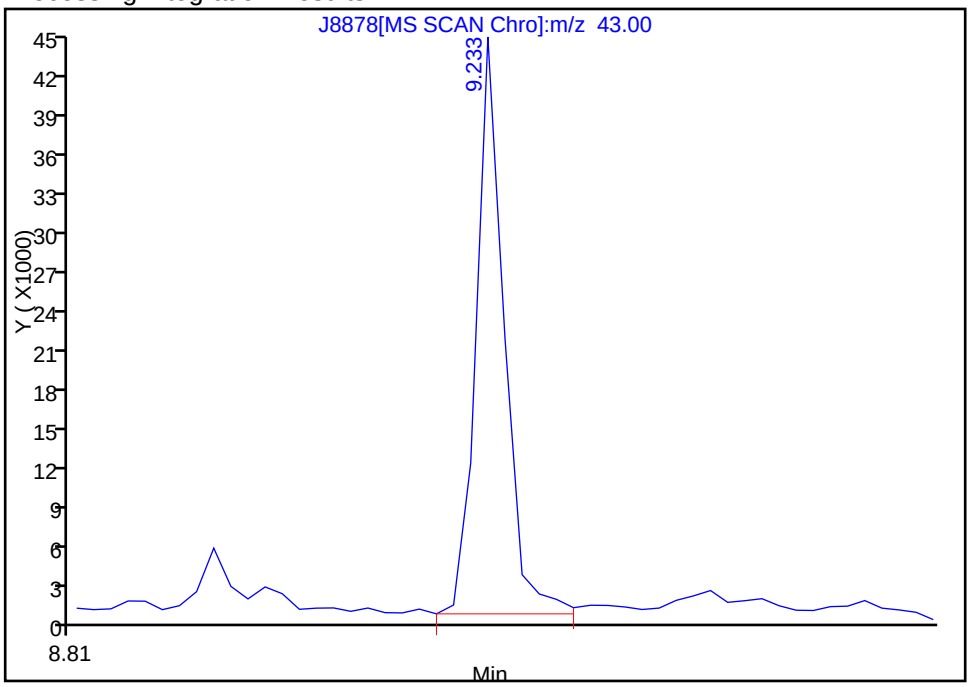
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D		
Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.67

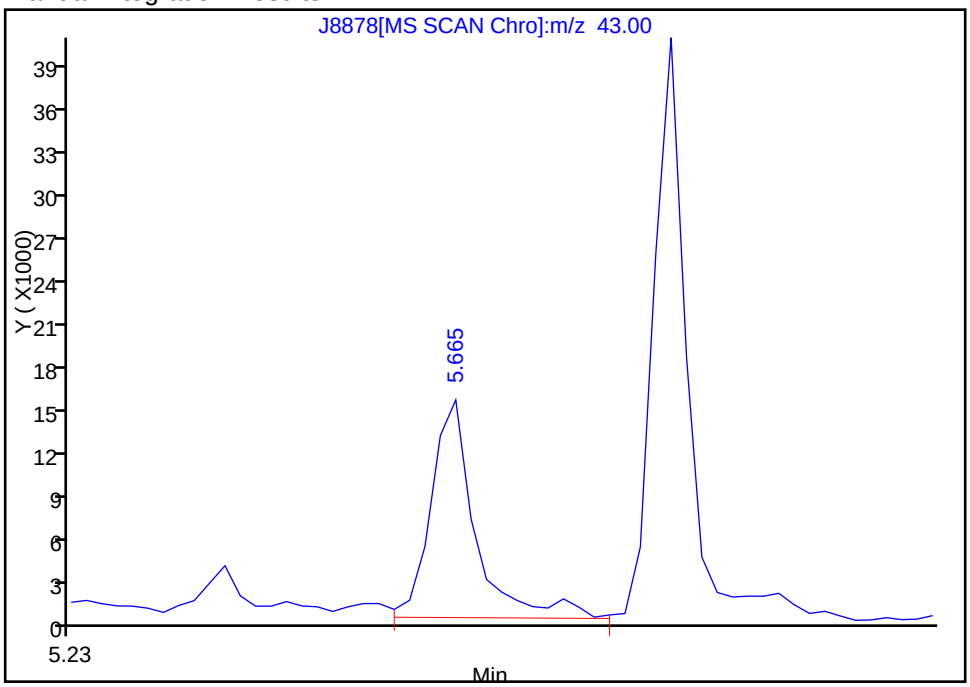
Processing Integration Results

RT: 9.23
Response: 87824
Amount: 26.538127



Manual Integration Results

RT: 5.67
Response: 51327
Amount: 18.940056



Reviewer: dukesa, 21-Oct-2013 19:47:16
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

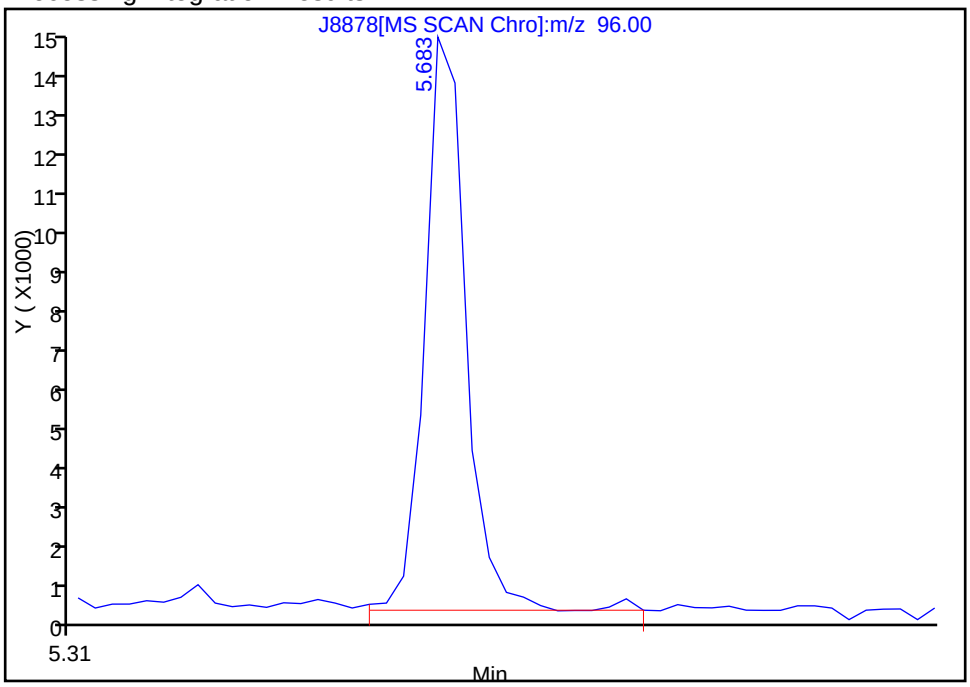
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D		
Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

45 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 5.68

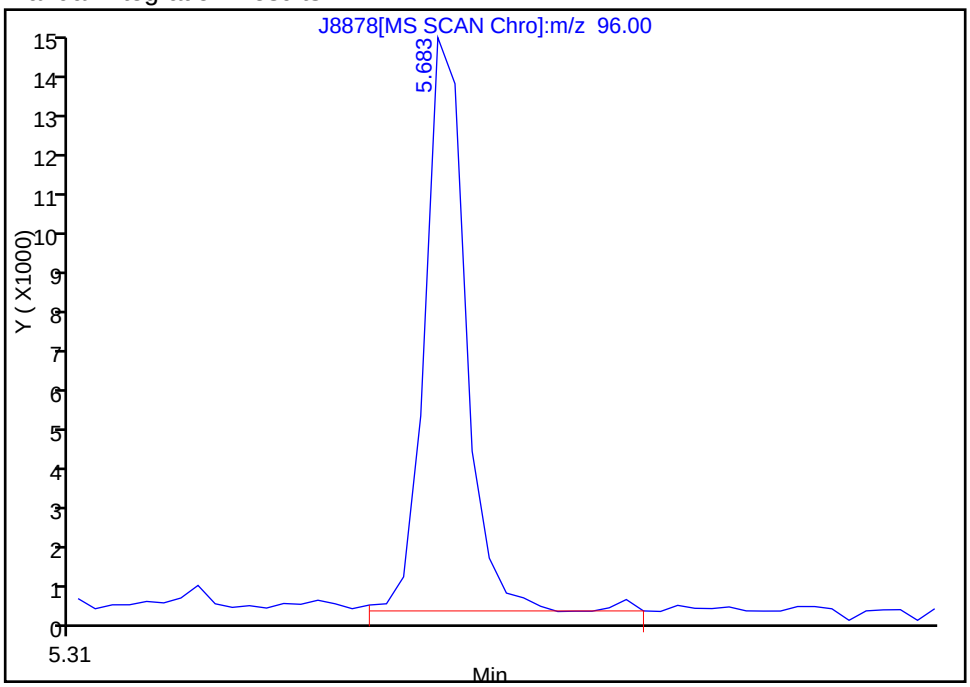
Processing Integration Results

RT: 5.68
Response: 41505
Amount: 4.517008



Manual Integration Results

RT: 5.68
Response: 41505
Amount: 4.822913



Reviewer: dukesa, 21-Oct-2013 19:47:16
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D
Lims ID: STD10 Client ID:
Inject. Date: 21-Oct-2013 18:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD10
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 196983 Lims Sample ID: 14
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:11 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:11:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.943	5.943	0.0	87	387583	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1429934	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	87	308089	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	96	417151	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	95	92209	9.14	
27 Chloromethane	50	4.359	4.359	0.0	100	127600	9.09	
28 Vinyl chloride	62	4.515	4.515	0.0	98	125501	9.46	
147 Butadiene	54	4.533	4.533	0.0	89	93241	9.15	
31 Bromomethane	94	4.898	4.898	0.0	93	84330	9.55	
32 Chloroethane	64	4.968	4.968	0.0	98	72636	9.53	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	93	203601	9.62	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	93	149971	9.61	
37 Ethyl ether	59	5.403	5.403	0.0	96	49110	10.2	A
40 Acrolein	56		5.547					
41 Acetone	43	5.664	5.664	0.0	77	73701	39.8	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.664	0.0	92	80933	9.84	
45 1,1-Dichloroethene	96	5.682	5.682	0.0	94	82951	9.81	
46 Iodomethane	142	5.873	5.873	0.0	98	169038	9.65	
48 Methyl acetate	43	5.908	5.908	0.0	91	166499	44.7	
49 3-Chloro-1-propene	41	5.960	5.960	0.0	79	192668	9.74	
51 Carbon disulfide	76	5.978	5.978	0.0	99	365066	9.04	
50 2-Methyl-2-propanol	59	6.012	6.012	0.0	53	42452	92.4	
52 Methylene Chloride	84	6.065	6.065	0.0	94	93330	10.4	
53 Acrylonitrile	53	6.221	6.221	0.0	96	142511	90.8	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	92	133090	9.34	
55 trans-1,2-Dichloroethene	96	6.308	6.308	0.0	96	88315	9.09	
56 Hexane	57	6.482	6.482	0.0	93	146420	9.15	
57 Vinyl acetate	43	6.569	6.569	0.0	95	198566	19.2	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	97	183567	9.41	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	98	111776	39.2	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	96	98901	257.3	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	87	86894	9.57	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	94	134754	9.31	
69 Chlorobromomethane	128	7.335	7.335	0.0	89	37373	9.47	
70 Chloroform	83	7.335	7.335	0.0	96	155922	9.56	
71 Tetrahydrofuran	42	7.353	7.353	0.0	87	24231	19.2	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	90	137519	9.73	
74 Cyclohexane	56	7.648	7.648	0.0	97	172406	8.94	
72 Isobutyl alcohol	41	7.648	7.648	0.0	37	123438	237.3	
75 1,1-Dichloropropene	75	7.683	7.683	0.0	92	132499	9.45	
76 Carbon tetrachloride	117	7.718	7.718	0.0	76	132018	9.26	
77 1,2-Dichloroethane	62	7.857	7.857	0.0	95	89456	9.18	
79 Benzene	78	7.875	7.875	0.0	98	316929	9.11	
14 n-Heptane	43	7.962	7.962	0.0	96	194886	9.35	
81 Trichloroethene	130	8.380	8.380	0.0	94	98896	9.24	
82 2-Pentanone	43	8.432	8.432	0.0	97	195541	37.6	
84 1,2-Dichloropropane	63	8.588	8.588	0.0	74	90047	9.73	
85 Methylcyclohexane	55	8.588	8.588	0.0	87	148526	9.15	
86 1,4-Dioxane	88	8.658	8.658	0.0	90	10062	217.9	
87 Dibromomethane	93	8.710	8.710	0.0	85	40271	10.2	
88 Dichlorobromomethane	83	8.797	8.797	0.0	96	98564	9.18	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	92	17518	8.69	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	83	99700	8.85	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.232	0.0	97	183856	39.7	
93 Toluene	91	9.511	9.511	0.0	92	292901	9.02	
94 Ethyl methacrylate	69	9.615	9.615	0.0	89	44242	8.49	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	99	84442	8.83	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	95	43738	9.69	
97 2-Hexanone	43	9.981	9.981	0.0	97	111565	35.0	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	97	86930	9.51	
99 Tetrachloroethene	164	10.033	10.033	0.0	89	74832	9.20	
100 Chlorodibromomethane	129	10.259	10.259	0.0	87	59373	9.04	
102 Ethylene Dibromide	107	10.399	10.399	0.0	98	41368	8.59	
103 1-Chlorohexane	91	10.677	10.677	0.0	93	109212	9.32	
104 Chlorobenzene	112	10.799	10.799	0.0	87	196984	9.42	
105 Ethylbenzene	106	10.851	10.851	0.0	98	106513	9.60	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.851	0.0	38	68962	9.07	
107 m-Xylene & p-Xylene	91	10.938	10.938	0.0	99	255547	9.46	
108 Styrene	104	11.304	11.304	0.0	79	147360	8.83	
109 o-Xylene	106	11.304	11.304	0.0	86	110948	9.03	
110 Bromoform	173	11.547	11.547	0.0	90	30565	9.07	
111 Isopropylbenzene	105	11.617	11.617	0.0	96	312598	9.44	
113 Cyclohexanone	55	11.756	11.756	0.0	95	89409	343.7	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	93	47250	9.79	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	77	12769	9.62	
116 1,2,3-Trichloropropane	110	11.930	11.930	0.0	83	12668	10.2	
118 Bromobenzene	156	11.983	11.983	0.0	57	75121	9.58	
117 N-Propylbenzene	120	11.983	11.983	0.0	94	88828	9.83	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	89	241829	9.76	
120 2-Chlorotoluene	126	12.122	12.122	0.0	86	79844	9.70	
121 4-Chlorotoluene	126	12.226	12.226	0.0	97	78329	9.91	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	91	256994	9.58	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	91	239820	9.67	
124 sec-Butylbenzene	134	12.679	12.679	0.0	95	66795	9.33	
125 4-Isopropyltoluene	119	12.783	12.783	0.0	91	290880	9.87	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	83	145554	9.55	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	92	143720	9.69	
129 n-Butylbenzene	91	13.201	13.201	0.0	96	262805	9.90	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	97	121554	9.62	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.193	0.0	58	6872	9.04	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	92	66692	10.1	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	90	49853	10.4	
134 Naphthalene	128	15.655	15.655	0.0	97	87027	8.62	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	94	51934	9.51	
S 136 Trihalomethanes, Total	1				0		36.8	
S 137 Xylenes, Total (URS)	1				0		18.5	
S 138 Total BTEX	1				0		46.2	
S 139 1,3-Dichloropropene, Total	1				0		17.7	
S 140 1,2-Dichloroethene, Total	1				0		18.7	
S 141 Xylenes, Total	106				0		18.5	
S 142 1,2-Dichloroethene, Total (URS)	96				0		18.7	

QC Flag Legend

Review Flags
A - User Assigned ID

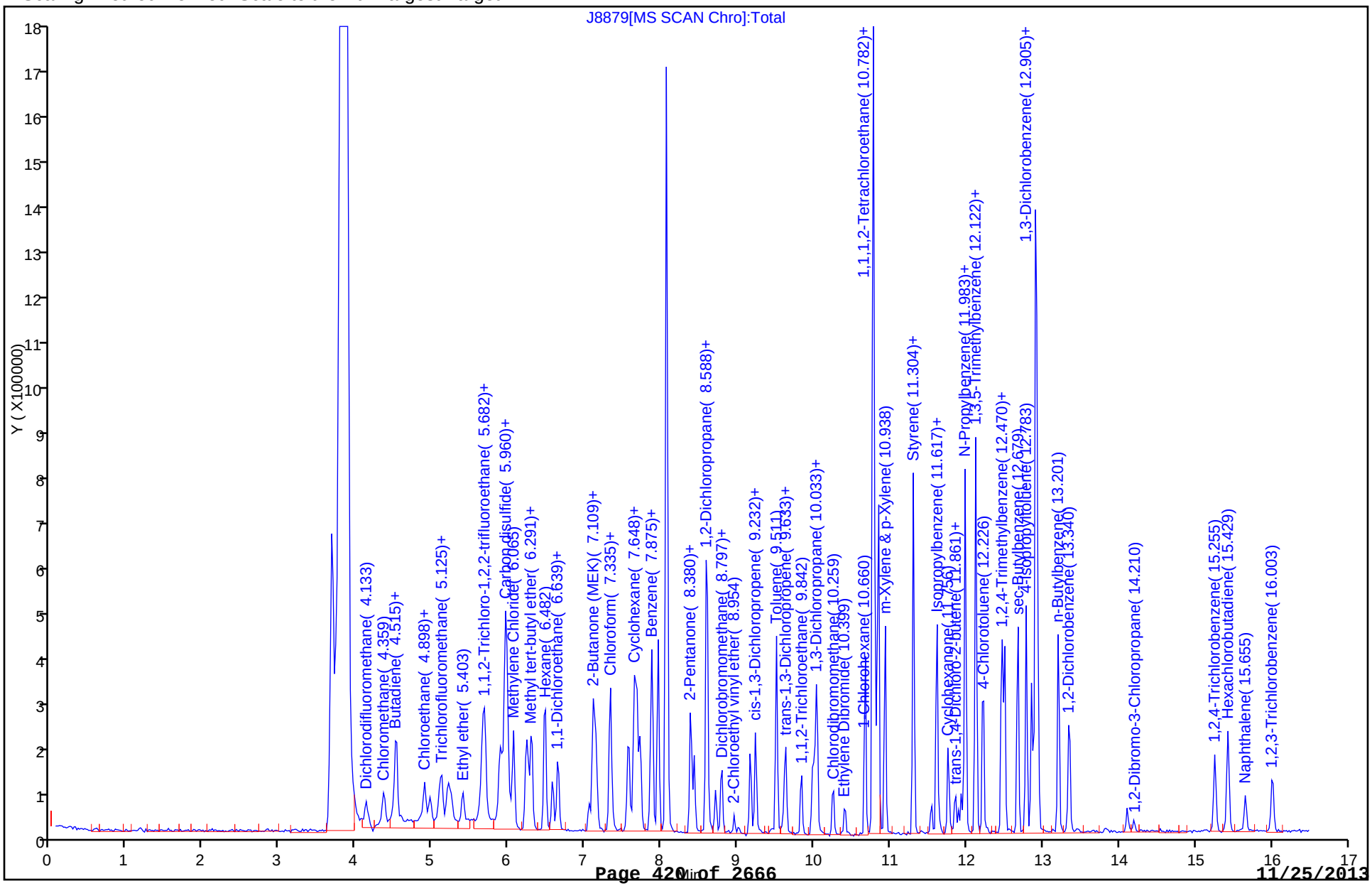
Report Date: 21-Oct-2013 23:37:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D

Injection Date:	21-Oct-2013 18:37:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	14
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

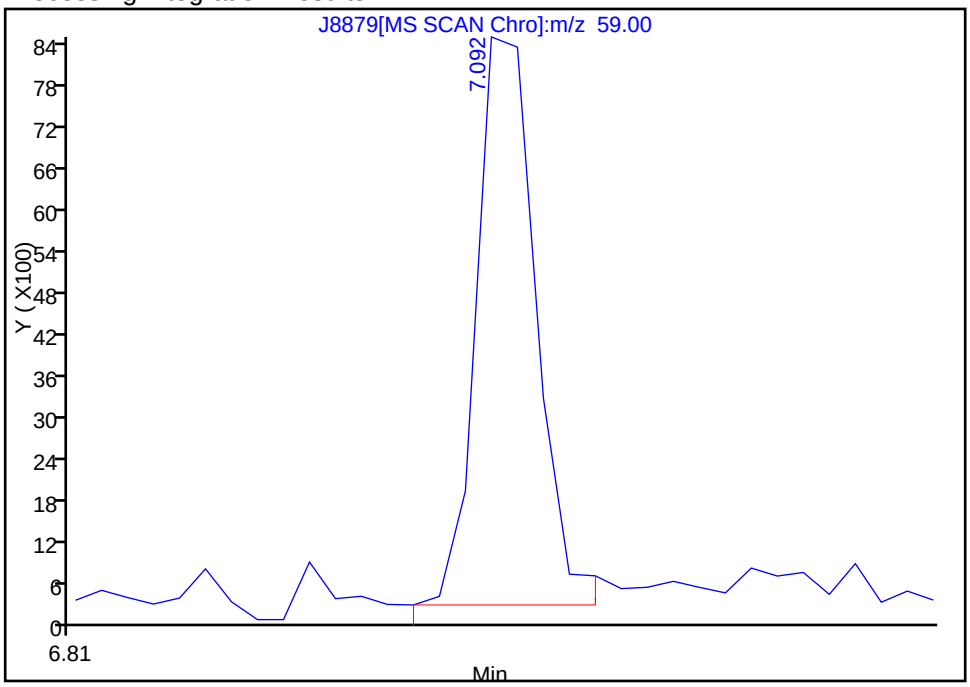
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D		
Injection Date:	21-Oct-2013 18:37:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	14
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

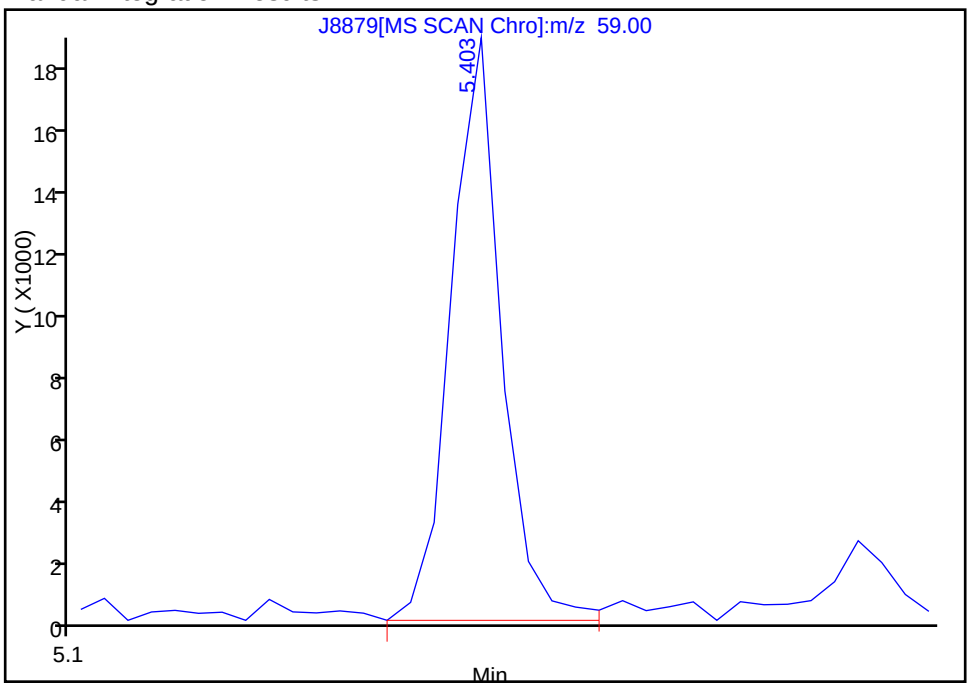
Processing Integration Results

RT: 7.09
Response: 22844
Amount: 6.765416



Manual Integration Results

RT: 5.40
Response: 49110
Amount: 10.150376



Reviewer: dukesa, 21-Oct-2013 19:51:17
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

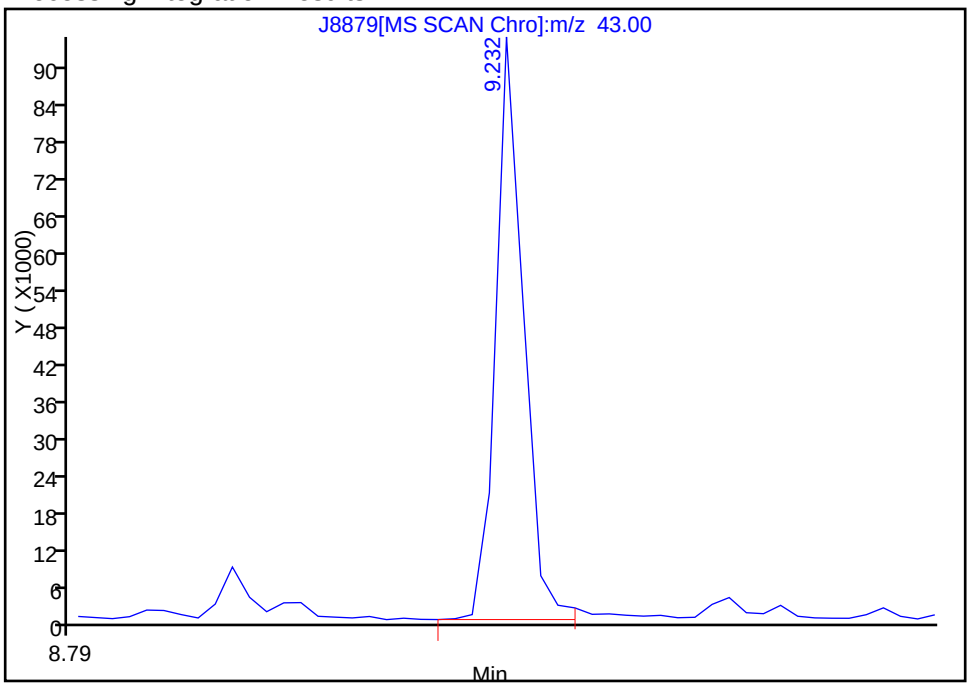
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D		
Injection Date:	21-Oct-2013 18:37:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	14
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

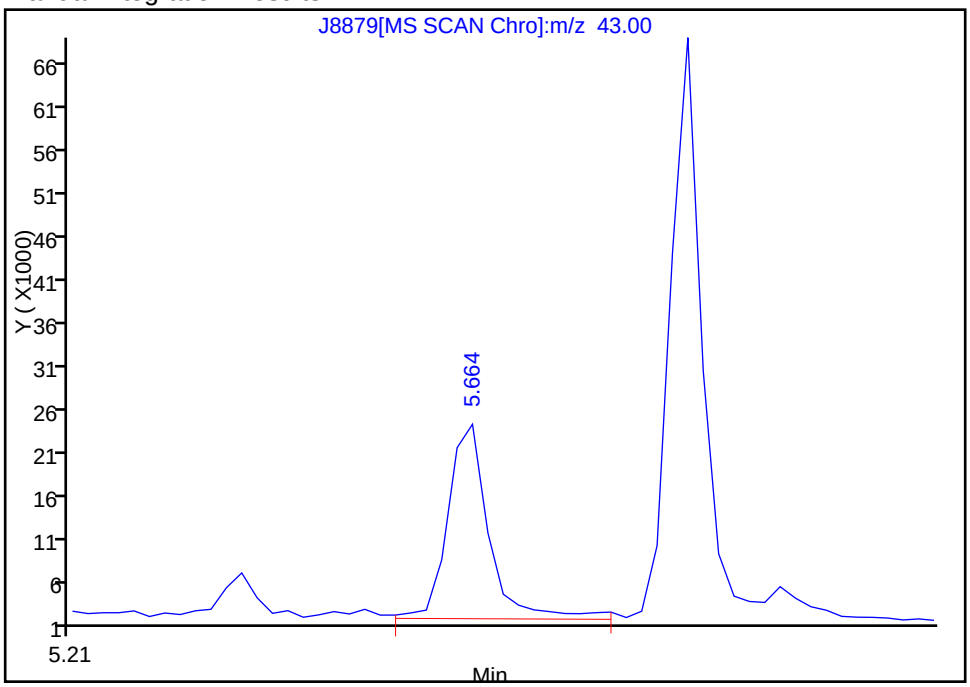
Processing Integration Results

RT: 9.23
Response: 183315
Amount: 44.000528



Manual Integration Results

RT: 5.66
Response: 73701
Amount: 39.836577



Reviewer: dukesa, 21-Oct-2013 19:39:01
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D
Lims ID: STD20 Client ID:
Inject. Date: 21-Oct-2013 18:59:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD20
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 196983 Lims Sample ID: 15
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:11 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:35:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	76	379913	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1447926	50.0	
* 2 Chlorobenzene-d5	119	10.780	10.780	0.0	83	309074	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.921	12.921	0.0	92	442113	50.0	
25 Dichlorodifluoromethane	85	4.131	4.131	0.0	98	182882	15.6	
27 Chloromethane	50	4.358	4.358	0.0	100	250742	17.6	
28 Vinyl chloride	62	4.514	4.514	0.0	98	244756	18.2	
147 Butadiene	54	4.532	4.532	0.0	89	186699	18.1	
31 Bromomethane	94	4.897	4.897	0.0	91	155562	17.4	
32 Chloroethane	64	4.967	4.967	0.0	98	140267	18.2	
33 Dichlorofluoromethane	67	5.124	5.124	0.0	98	402187	18.8	
34 Trichlorofluoromethane	101	5.211	5.211	0.0	96	296075	18.7	
37 Ethyl ether	59	5.402	5.402	0.0	96	95680	19.5	A
40 Acrolein	56		5.547					
41 Acetone	43	5.663	5.663	0.0	73	113902	74.6	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.663	5.663	0.0	95	154728	18.6	
45 1,1-Dichloroethene	96	5.698	5.698	0.0	98	157858	18.4	
46 Iodomethane	142	5.889	5.889	0.0	97	317560	17.9	
48 Methyl acetate	43	5.907	5.907	0.0	91	371600	98.6	
49 3-Chloro-1-propene	41	5.959	5.959	0.0	73	378295	18.9	
51 Carbon disulfide	76	5.976	5.976	0.0	99	715462	17.5	
50 2-Methyl-2-propanol	59	6.011	6.011	0.0	53	87761	194.9	
52 Methylene Chloride	84	6.063	6.063	0.0	93	170525	18.7	
53 Acrylonitrile	53	6.220	6.220	0.0	97	291977	183.8	
54 Methyl tert-butyl ether	73	6.255	6.255	0.0	92	273050	18.9	
55 trans-1,2-Dichloroethene	96	6.307	6.307	0.0	95	179416	18.2	
56 Hexane	57	6.481	6.481	0.0	95	304925	19.0	
57 Vinyl acetate	43	6.568	6.568	0.0	96	401908	38.3	
59 1,1-Dichloroethane	63	6.638	6.638	0.0	98	361577	18.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.056	7.056	0.0	97	228903	79.3	
64 sec-Butyl Alcohol	45	7.090	7.090	0.0	95	219576	582.8	
65 cis-1,2-Dichloroethene	96	7.108	7.108	0.0	88	173850	18.9	
67 2,2-Dichloropropane	77	7.143	7.143	0.0	93	272857	18.6	
70 Chloroform	83	7.334	7.334	0.0	96	304115	18.4	
69 Chlorobromomethane	128	7.334	7.334	0.0	88	74845	18.7	
71 Tetrahydrofuran	42	7.369	7.369	0.0	87	47812	37.5	
73 1,1,1-Trichloroethane	97	7.578	7.578	0.0	89	276273	19.3	
74 Cyclohexane	56	7.647	7.647	0.0	98	353213	18.1	
72 Isobutyl alcohol	41	7.647	7.647	0.0	38	252934	496.1	
75 1,1-Dichloropropene	75	7.682	7.682	0.0	91	269964	19.0	
76 Carbon tetrachloride	117	7.717	7.717	0.0	77	267148	18.5	
77 1,2-Dichloroethane	62	7.856	7.856	0.0	97	184680	18.7	
79 Benzene	78	7.874	7.874	0.0	98	649501	18.4	
14 n-Heptane	43	7.961	7.961	0.0	96	400123	19.0	
81 Trichloroethene	130	8.378	8.378	0.0	93	199753	18.4	
82 2-Pentanone	43	8.431	8.431	0.0	97	392292	74.5	
84 1,2-Dichloropropane	63	8.587	8.587	0.0	71	181161	19.3	
85 Methylcyclohexane	55	8.605	8.605	0.0	90	307869	18.7	
86 1,4-Dioxane	88	8.657	8.657	0.0	82	19386	414.7	
87 Dibromomethane	93	8.709	8.709	0.0	86	77315	19.4	
88 Dichlorobromomethane	83	8.796	8.796	0.0	94	198315	18.2	
89 2-Chloroethyl vinyl ether	63	8.953	8.953	0.0	91	35030	17.2	
91 cis-1,3-Dichloropropene	75	9.162	9.162	0.0	84	212684	18.8	
92 4-Methyl-2-pentanone (MIBK)	43	9.231	9.231	0.0	97	381317	73.5	
93 Toluene	91	9.510	9.510	0.0	91	619602	18.8	
94 Ethyl methacrylate	69	9.614	9.614	0.0	92	96285	18.4	
95 trans-1,3-Dichloropropene	75	9.632	9.632	0.0	99	177732	18.2	
96 1,1,2-Trichloroethane	97	9.841	9.841	0.0	96	86158	18.9	
97 2-Hexanone	43	9.980	9.980	0.0	97	241519	75.5	
98 1,3-Dichloropropane	76	10.015	10.015	0.0	97	171788	18.7	
99 Tetrachloroethene	164	10.049	10.049	0.0	97	151654	18.6	
100 Chlorodibromomethane	129	10.258	10.258	0.0	85	124767	18.9	
102 Ethylene Dibromide	107	10.398	10.398	0.0	98	87274	18.1	
103 1-Chlorohexane	91	10.676	10.676	0.0	90	224780	19.1	
104 Chlorobenzene	112	10.798	10.798	0.0	87	405614	19.3	
105 Ethylbenzene	106	10.850	10.850	0.0	99	215739	19.4	
106 1,1,1,2-Tetrachloroethane	131	10.850	10.850	0.0	38	145994	19.1	
107 m-Xylene & p-Xylene	91	10.937	10.937	0.0	99	540785	20.0	
108 Styrene	104	11.303	11.303	0.0	79	337261	20.1	
109 o-Xylene	106	11.303	11.303	0.0	87	242315	19.7	
110 Bromoform	173	11.546	11.546	0.0	92	63612	18.8	
111 Isopropylbenzene	105	11.616	11.616	0.0	96	675549	19.2	
113 Cyclohexanone	55	11.755	11.755	0.0	97	197527	756.8	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.860	0.0	87	94403	18.5	
115 trans-1,4-Dichloro-2-butene	53	11.894	11.894	0.0	74	26385	18.8	
116 1,2,3-Trichloropropane	110	11.929	11.929	0.0	43	25436	19.3	A
118 Bromobenzene	156	11.981	11.981	0.0	58	156567	18.8	
117 N-Propylbenzene	120	11.981	11.981	0.0	94	192662	20.1	
119 1,3,5-Trimethylbenzene	105	12.121	12.121	0.0	89	527100	20.1	
120 2-Chlorotoluene	126	12.138	12.138	0.0	97	170142	19.5	
121 4-Chlorotoluene	126	12.225	12.225	0.0	97	163298	19.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.469	12.469	0.0	92	573199	20.2	
123 1,2,4-Trimethylbenzene	105	12.504	12.504	0.0	92	527572	20.1	
124 sec-Butylbenzene	134	12.678	12.678	0.0	95	151784	20.0	
125 4-Isopropyltoluene	119	12.782	12.782	0.0	94	649520	20.8	
126 1,3-Dichlorobenzene	146	12.852	12.852	0.0	82	311213	19.3	
128 1,4-Dichlorobenzene	146	12.939	12.939	0.0	92	306020	19.5	
129 n-Butylbenzene	91	13.200	13.200	0.0	95	593411	21.1	
130 1,2-Dichlorobenzene	146	13.357	13.357	0.0	98	256281	19.1	
131 1,2-Dibromo-3-Chloropropane	157	14.192	14.192	0.0	62	14926	18.5	
132 1,2,4-Trichlorobenzene	180	15.254	15.254	0.0	93	140091	20.0	
133 Hexachlorobutadiene	225	15.428	15.428	0.0	92	108129	21.4	
134 Naphthalene	128	15.654	15.654	0.0	97	190276	17.3	
135 1,2,3-Trichlorobenzene	180	16.020	16.020	0.0	95	114874	19.8	
S 136 Trihalomethanes, Total	1				0		74.4	
S 137 Xylenes, Total (URS)	1				0		39.6	
S 138 Total BTEX	1				0		96.3	
S 139 1,3-Dichloropropene, Total	1				0		37.1	
S 140 1,2-Dichloroethene, Total	1				0		37.2	
S 141 Xylenes, Total	106				0		39.6	
S 142 1,2-Dichloroethene, Total (URS)	96				0		37.2	

QC Flag Legend

Review Flags
A - User Assigned ID

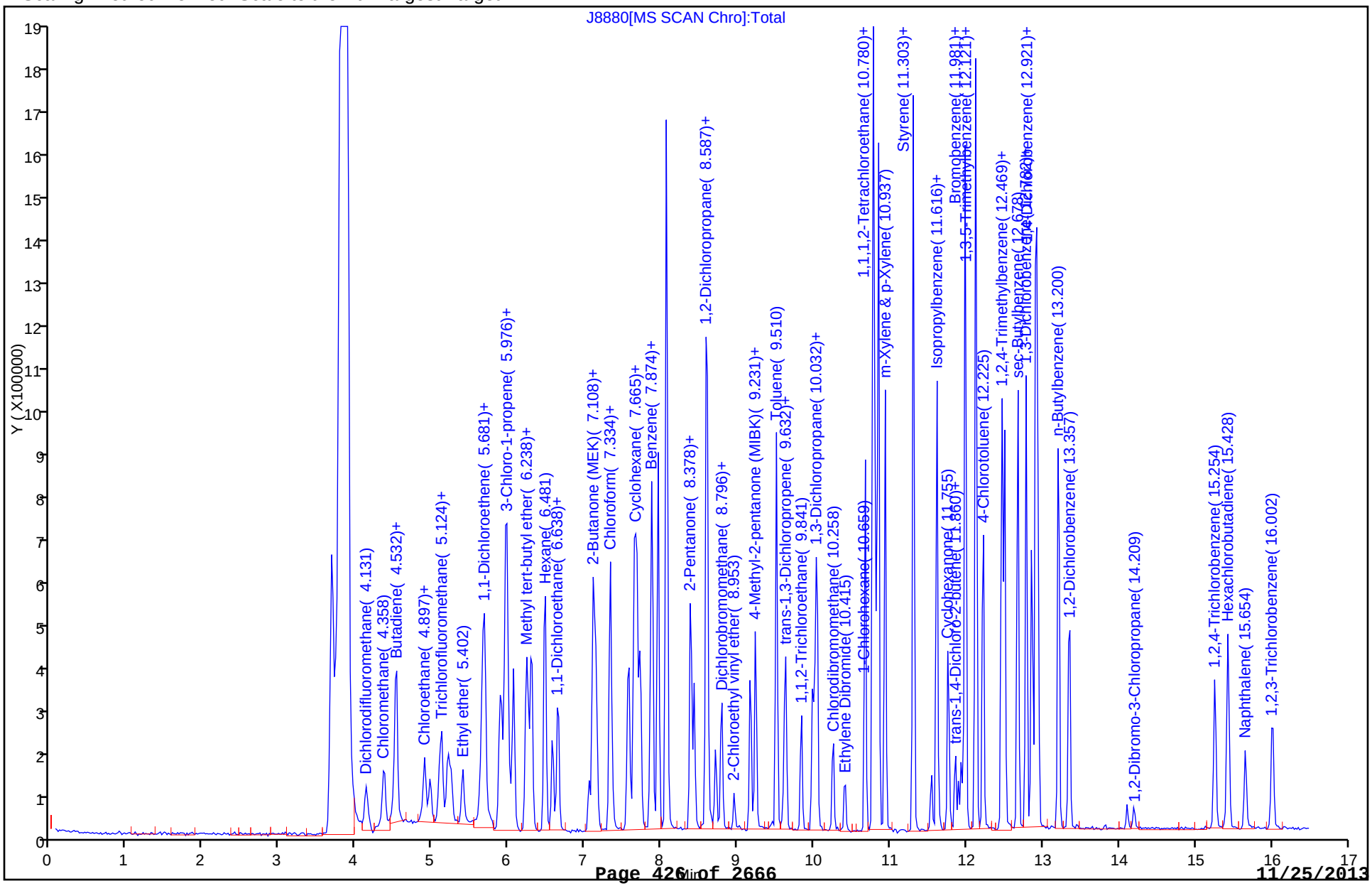
Report Date: 21-Oct-2013 23:37:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D

Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

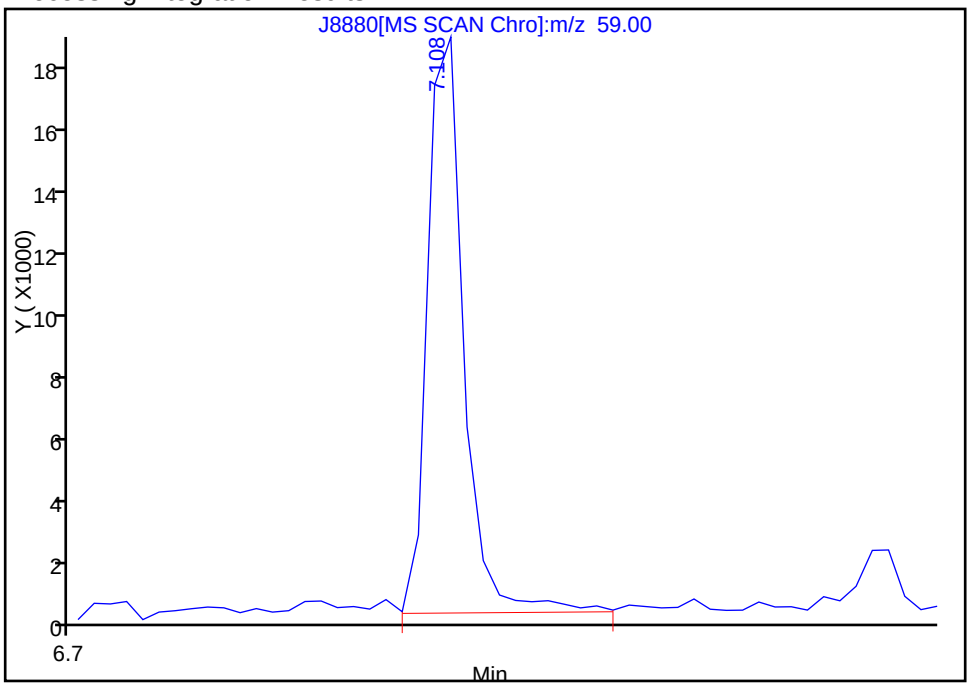
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D		
Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

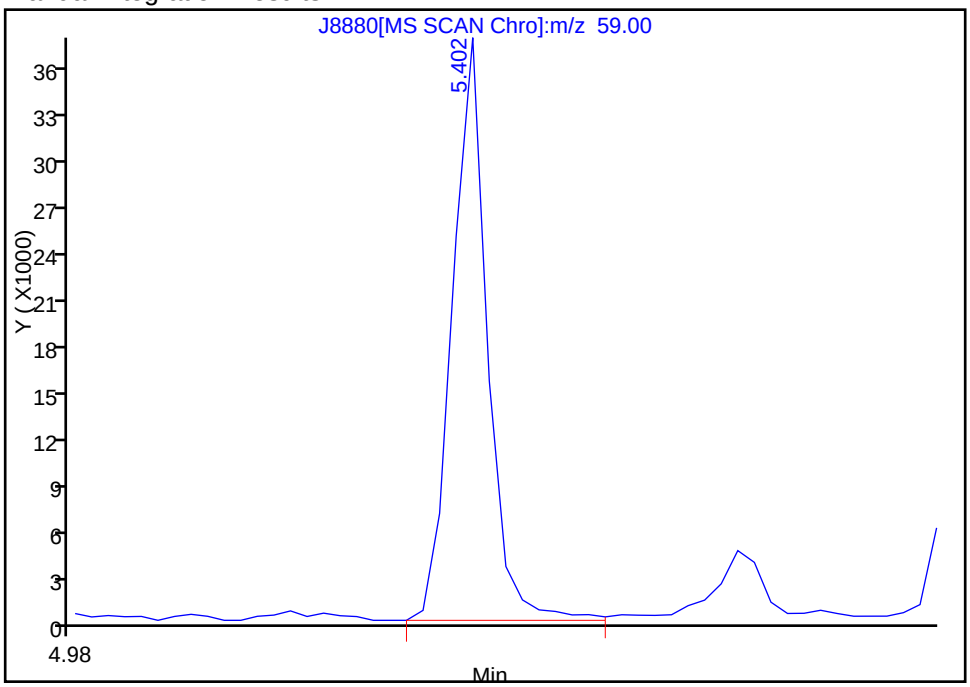
Processing Integration Results

RT: 7.11
Response: 50396
Amount: 19.483448



Manual Integration Results

RT: 5.40
Response: 95680
Amount: 19.530033



Reviewer: dukesa, 21-Oct-2013 19:51:05
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

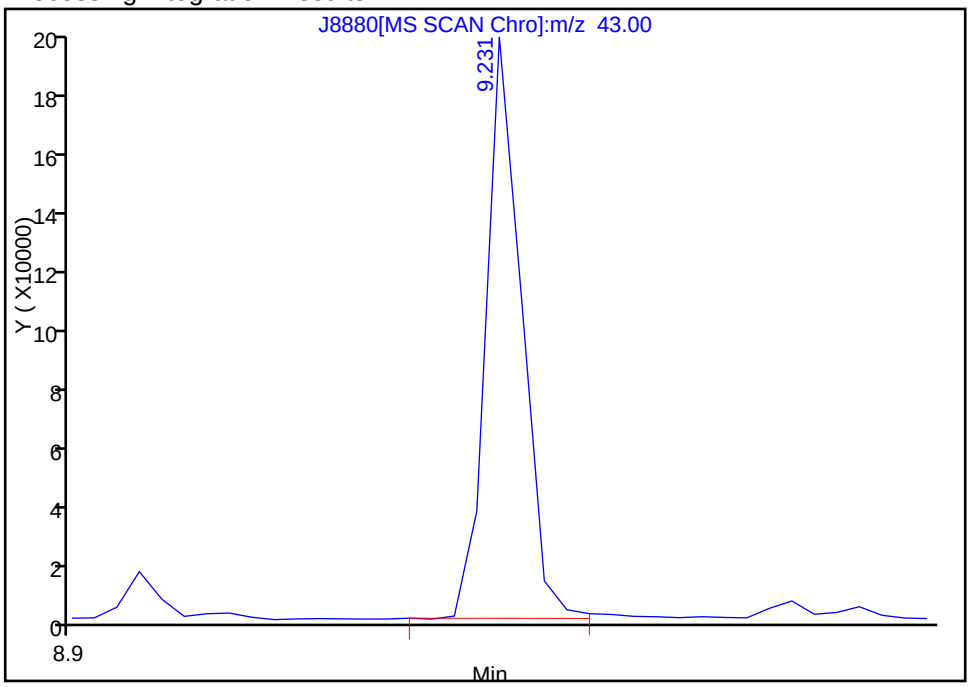
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D		
Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

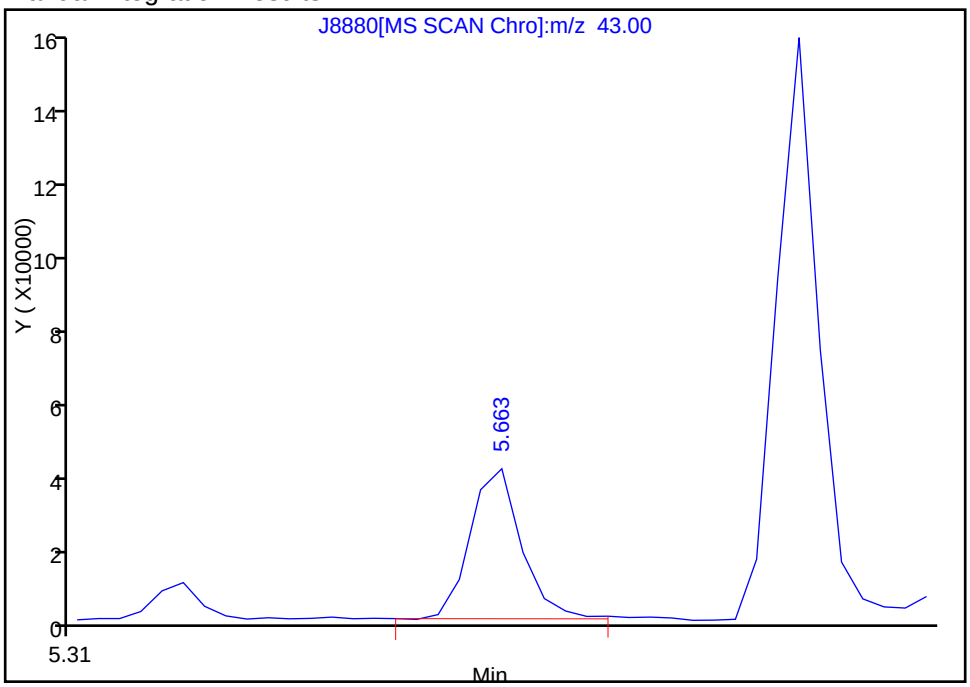
Processing Integration Results

RT: 9.23
Response: 377637
Amount: 77.417020



Manual Integration Results

RT: 5.66
Response: 113902
Amount: 74.634772



Reviewer: dukesa, 21-Oct-2013 19:38:31
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

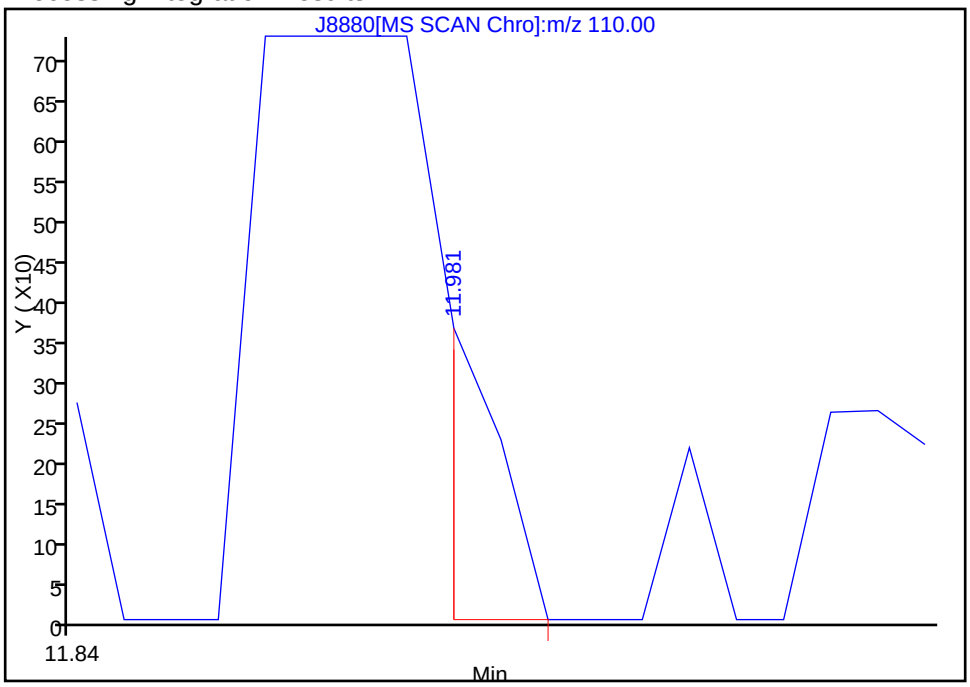
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D		
Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

116 1,2,3-Trichloropropane, Signal: 1, m/z: 110.0 Type: quant, RT: 11.93

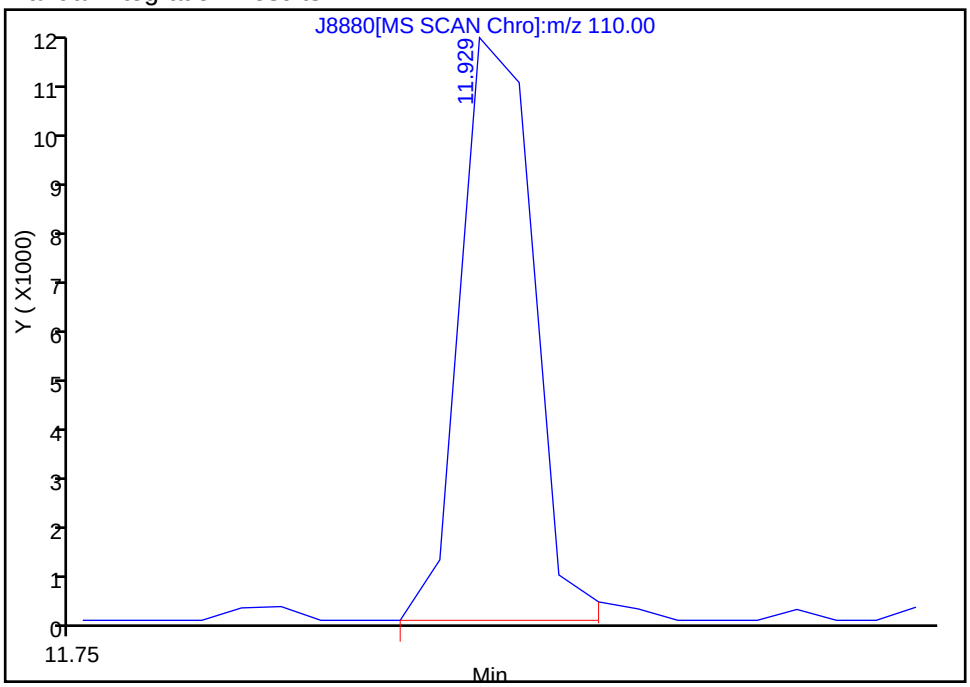
Processing Integration Results

RT: 11.98
Response: 610
Amount: 0.548195



Manual Integration Results

RT: 11.93
Response: 25436
Amount: 19.275145



Reviewer: dukesa, 21-Oct-2013 20:37:12
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8881.D
Lims ID: STD50 Client ID:
Inject. Date: 21-Oct-2013 19:20:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD50
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 196983 Lims Sample ID: 16
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:12 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:46:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.943	5.943	0.0	67	391420	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1463550	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	84	321411	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.923	12.923	0.0	94	468916	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	97	748214	55.8	
27 Chloromethane	50	4.376	4.376	0.0	100	813419	56.6	
28 Vinyl chloride	62	4.516	4.516	0.0	98	770788	56.8	
147 Butadiene	54	4.533	4.533	0.0	87	630627	60.4	
31 Bromomethane	94	4.899	4.899	0.0	91	483409	53.5	
32 Chloroethane	64	4.968	4.968	0.0	99	414554	53.2	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	94	1145792	52.9	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	97	884151	55.3	
37 Ethyl ether	59	5.403	5.403	0.0	96	260298	52.6	A
40 Acrolein	56		5.547					
41 Acetone	43	5.664	5.664	0.0	75	288775	226.8	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.664	0.0	93	466618	55.4	
45 1,1-Dichloroethene	96	5.682	5.682	0.0	97	474497	54.9	
46 Iodomethane	142	5.891	5.891	0.0	98	936545	52.2	
48 Methyl acetate	43	5.908	5.908	0.0	97	1038522	272.7	
49 3-Chloro-1-propene	41	5.960	5.960	0.0	77	1079243	53.3	
51 Carbon disulfide	76	5.978	5.978	0.0	99	2185268	52.9	
50 2-Methyl-2-propanol	59	6.030	6.030	0.0	54	249726	538.2	
52 Methylene Chloride	84	6.065	6.065	0.0	93	456775	49.6	
53 Acrylonitrile	53	6.221	6.221	0.0	97	851101	530.0	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	93	802340	55.0	
55 trans-1,2-Dichloroethene	96	6.308	6.308	0.0	95	506002	50.9	
56 Hexane	57	6.482	6.482	0.0	95	930570	55.7	
57 Vinyl acetate	43	6.569	6.569	0.0	96	1226331	115.6	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	97	1030317	51.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	97	638369	218.9	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	98	651109	1677.3	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	88	495360	53.3	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	95	779315	52.6	
70 Chloroform	83	7.335	7.335	0.0	97	854734	51.2	
69 Chlorobromomethane	128	7.335	7.335	0.0	89	215280	53.3	
71 Tetrahydrofuran	42	7.353	7.353	0.0	88	139271	108.0	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	90	786494	54.4	
74 Cyclohexane	56	7.649	7.649	0.0	96	1072716	54.3	
72 Isobutyl alcohol	41	7.649	7.649	0.0	39	732672	1394.8	
75 1,1-Dichloropropene	75	7.683	7.683	0.0	90	781373	54.4	
76 Carbon tetrachloride	117	7.718	7.718	0.0	77	766959	52.5	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	97	518671	52.0	
79 Benzene	78	7.875	7.875	0.0	98	1884390	52.9	
14 n-Heptane	43	7.962	7.962	0.0	96	1173661	55.0	
81 Trichloroethene	130	8.380	8.380	0.0	94	558138	50.9	
82 2-Pentanone	43	8.432	8.432	0.0	97	1127458	211.7	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	86	506084	53.4	
85 Methylcyclohexane	55	8.606	8.606	0.0	92	887691	53.4	
86 1,4-Dioxane	88	8.658	8.658	0.0	92	44246	936.3	
87 Dibromomethane	93	8.710	8.710	0.0	87	214973	53.4	
88 Dichlorobromomethane	83	8.797	8.797	0.0	94	569425	51.8	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	93	108037	52.4	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	85	617226	52.5	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	98	1141631	206.5	
93 Toluene	91	9.511	9.511	0.0	92	1771462	53.3	
94 Ethyl methacrylate	69	9.616	9.616	0.0	92	303309	55.8	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	100	511520	51.7	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	95	242165	52.4	
97 2-Hexanone	43	9.981	9.981	0.0	98	736137	221.2	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	96	485210	50.9	
99 Tetrachloroethene	164	10.051	10.051	0.0	96	431572	50.9	
100 Chlorodibromomethane	129	10.260	10.260	0.0	86	360017	52.6	
102 Ethylene Dibromide	107	10.399	10.399	0.0	98	254978	50.8	
103 1-Chlorohexane	91	10.677	10.677	0.0	96	663466	54.3	
104 Chlorobenzene	112	10.799	10.799	0.0	87	1072344	49.2	
105 Ethylbenzene	106	10.851	10.851	0.0	88	611262	52.8	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.851	0.0	41	413711	52.1	
107 m-Xylene & p-Xylene	91	10.938	10.938	0.0	99	1491513	52.9	
108 Styrene	104	11.304	11.304	0.0	82	981769	56.4	
109 o-Xylene	106	11.304	11.304	0.0	87	665670	51.9	
110 Bromoform	173	11.548	11.548	0.0	94	187243	53.2	
111 Isopropylbenzene	105	11.617	11.617	0.0	96	1927496	51.8	
113 Cyclohexanone	55	11.756	11.756	0.0	97	617926	2276.7	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	86	280438	51.7	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	79	81263	54.5	
116 1,2,3-Trichloropropane	110	11.930	11.930	0.0	90	72787	52.0	
118 Bromobenzene	156	11.983	11.983	0.0	57	441097	50.0	
117 N-Propylbenzene	120	11.983	11.983	0.0	94	512927	50.5	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	87	1465858	52.7	
120 2-Chlorotoluene	126	12.122	12.122	0.0	85	456285	49.3	
121 4-Chlorotoluene	126	12.226	12.226	0.0	98	434532	48.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	90	1565964	51.9	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	91	1422978	51.0	
124 sec-Butylbenzene	134	12.679	12.679	0.0	94	416323	51.7	
125 4-Isopropyltoluene	119	12.783	12.783	0.0	91	1715528	51.8	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	97	837974	48.9	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	94	797751	47.9	
129 n-Butylbenzene	91	13.201	13.201	0.0	96	1543265	51.7	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	691331	48.7	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.193	0.0	73	46059	53.9	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	94	373025	50.1	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	93	254369	47.4	
134 Naphthalene	128	15.655	15.655	0.0	97	612493	51.4	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	94	314156	51.2	
S 136 Trihalomethanes, Total	1				0		208.8	
S 137 Xylenes, Total (URS)	1				0		104.9	
S 138 Total BTEX	1				0		263.9	
S 139 1,3-Dichloropropene, Total	1				0		104.2	
S 140 1,2-Dichloroethene, Total	1				0		104.2	
S 141 Xylenes, Total	106				0		104.9	
S 142 1,2-Dichloroethene, Total (URS)	96				0		104.2	

QC Flag Legend

Review Flags
A - User Assigned ID

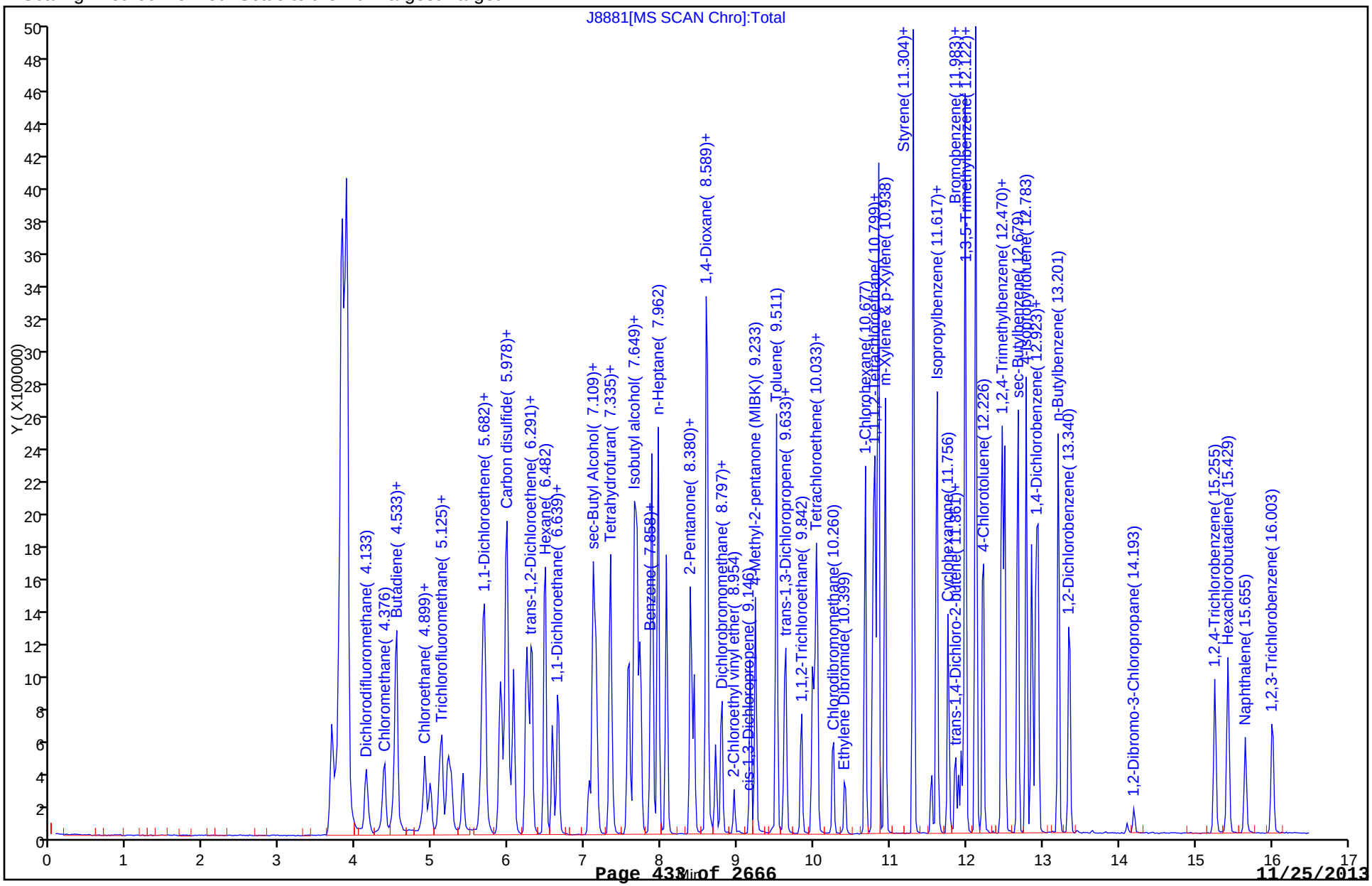
Report Date: 21-Oct-2013 23:37:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8881.D

Injection Date:	21-Oct-2013 19:20:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	16
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

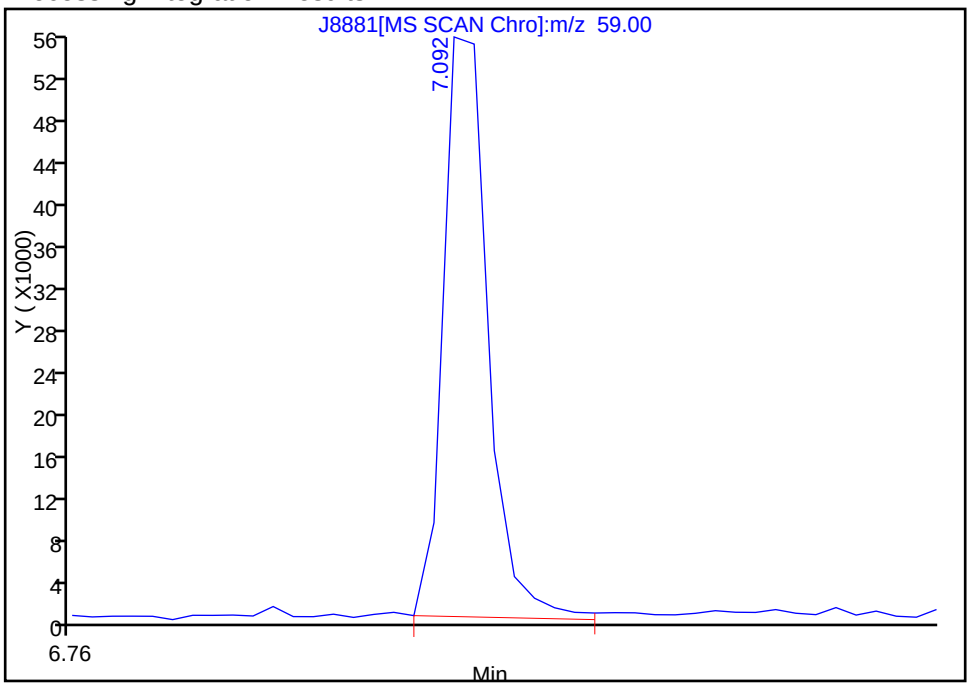
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8881.D		
Injection Date:	21-Oct-2013 19:20:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	16
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

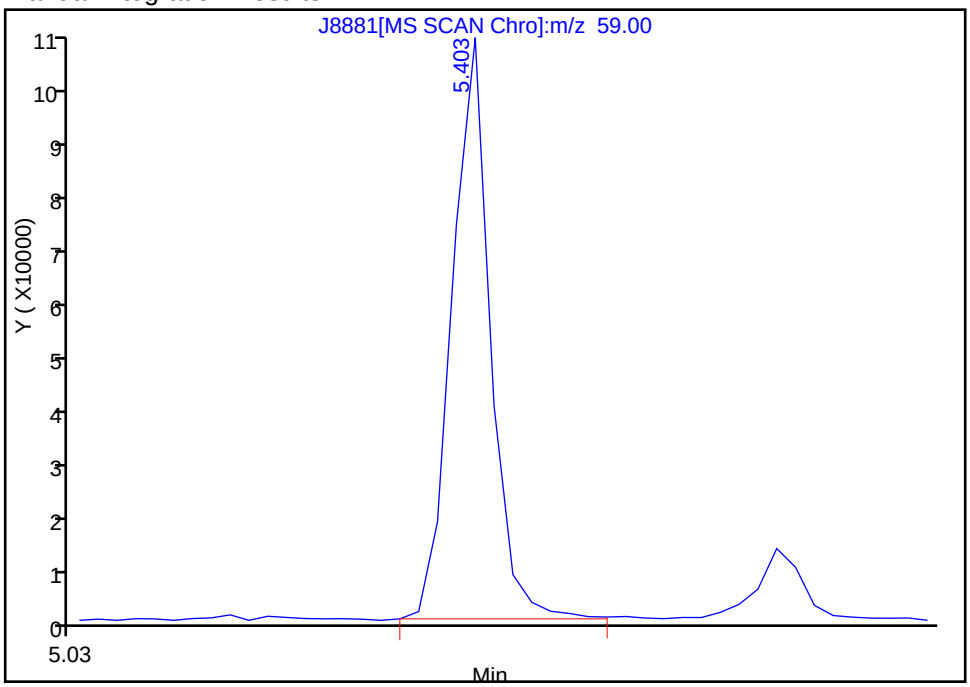
Processing Integration Results

RT: 7.09
Response: 147819
Amount: 50.963240



Manual Integration Results

RT: 5.40
Response: 260298
Amount: 52.564368



Reviewer: dukesa, 21-Oct-2013 19:46:41
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8882.D
Lims ID: STD100 Client ID:
Inject. Date: 21-Oct-2013 19:42:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD100
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 25
Lims Batch ID: 196983 Lims Sample ID: 17
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:12 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 20:16:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	41	416335	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1586180	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	79	357772	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	95	528789	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	99	1506600	101.6	
27 Chloromethane	50	4.376	4.376	0.0	100	1681452	108.0	
28 Vinyl chloride	62	4.516	4.516	0.0	98	1569942	106.7	
147 Butadiene	54	4.533	4.533	0.0	89	1285965	113.7	
31 Bromomethane	94	4.899	4.899	0.0	92	984968	100.6	
32 Chloroethane	64	4.968	4.968	0.0	99	841756	99.6	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	97	2330867	99.3	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	98	1795058	103.7	
37 Ethyl ether	59	5.403	5.403	0.0	96	550423	102.6	
40 Acrolein	56		5.547					
41 Acetone	43	5.664	5.664	0.0	61	518257	392.9	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.664	0.0	92	935795	102.6	
45 1,1-Dichloroethene	96	5.682	5.682	0.0	96	973898	103.9	
46 Iodomethane	142	5.891	5.891	0.0	98	1964882	101.1	
48 Methyl acetate	43	5.908	5.908	0.0	97	2112180	511.7	
49 3-Chloro-1-propene	41	5.960	5.960	0.0	77	2222920	101.3	
51 Carbon disulfide	76	5.978	5.978	0.0	99	4579727	102.3	
50 2-Methyl-2-propanol	59	6.030	6.030	0.0	73	489942	992.6	
52 Methylene Chloride	84	6.065	6.065	0.0	93	917450	91.8	
53 Acrylonitrile	53	6.221	6.221	0.0	98	1747144	1003.8	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	99	1679495	106.2	
55 trans-1,2-Dichloroethene	96	6.308	6.308	0.0	96	1076989	99.9	
56 Hexane	57	6.483	6.483	0.0	95	1944915	104.7	
57 Vinyl acetate	43	6.570	6.570	0.0	96	2443976	212.7	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	97	2134861	98.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	97	1266300	400.6	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	98	1379506	3341.1	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	87	1049431	104.2	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	95	1640973	102.2	
70 Chloroform	83	7.335	7.335	0.0	96	1785844	98.7	
69 Chlorobromomethane	128	7.335	7.335	0.0	90	444378	101.5	
71 Tetrahydrofuran	42	7.353	7.353	0.0	89	289601	207.2	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	90	1627254	103.8	
74 Cyclohexane	56	7.649	7.649	0.0	96	2238739	104.6	
72 Isobutyl alcohol	41	7.649	7.649	0.0	39	1446762	2589.5	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	90	1629164	104.7	
76 Carbon tetrachloride	117	7.718	7.718	0.0	77	1621146	102.5	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	97	1053131	97.5	
79 Benzene	78	7.875	7.875	0.0	98	3947363	102.3	
14 n-Heptane	43	7.962	7.962	0.0	96	2476438	107.1	
81 Trichloroethene	130	8.380	8.380	0.0	94	1223497	103.0	
82 2-Pentanone	43	8.432	8.432	0.0	97	2439679	422.7	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	81	1047004	102.0	
85 Methylcyclohexane	55	8.606	8.606	0.0	94	1875089	104.2	
86 1,4-Dioxane	88	8.658	8.658	0.0	93	93864	1832.8	
87 Dibromomethane	93	8.710	8.710	0.0	85	451404	103.5	
88 Dichlorobromomethane	83	8.797	8.797	0.0	94	1185910	99.5	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	92	241117	107.8	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	85	1333879	101.9	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	97	2349653	397.1	
93 Toluene	91	9.511	9.511	0.0	92	3916387	108.7	
94 Ethyl methacrylate	69	9.616	9.616	0.0	91	680332	112.4	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	98	1116779	104.1	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	95	508450	101.6	
97 2-Hexanone	43	9.981	9.981	0.0	98	1569988	423.9	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	95	1026639	96.7	
99 Tetrachloroethene	164	10.051	10.051	0.0	95	961570	101.8	
100 Chlorodibromomethane	129	10.260	10.260	0.0	86	780764	102.4	
102 Ethylene Dibromide	107	10.399	10.399	0.0	99	541559	96.9	
103 1-Chlorohexane	91	10.677	10.677	0.0	97	1544774	113.5	
104 Chlorobenzene	112	10.799	10.799	0.0	89	2460648	101.4	
105 Ethylbenzene	106	10.851	10.851	0.0	93	1407151	109.2	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.851	0.0	42	896920	101.6	
107 m-Xylene & p-Xylene	91	10.938	10.938	0.0	100	3472643	110.7	
108 Styrene	104	11.304	11.304	0.0	84	2359004	121.7	
109 o-Xylene	106	11.304	11.304	0.0	87	1574778	110.4	
110 Bromoform	173	11.548	11.548	0.0	94	423514	108.2	
111 Isopropylbenzene	105	11.617	11.617	0.0	96	4551408	108.4	
113 Cyclohexanone	55	11.756	11.756	0.0	97	1353333	4479.4	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	86	600427	98.1	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	81	172665	102.6	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	90	153252	97.1	
118 Bromobenzene	156	11.983	11.983	0.0	54	1015179	102.1	
117 N-Propylbenzene	120	11.983	11.983	0.0	95	1272489	111.1	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	87	3603379	114.8	
120 2-Chlorotoluene	126	12.122	12.122	0.0	84	1082064	103.8	
121 4-Chlorotoluene	126	12.226	12.226	0.0	97	1067549	106.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	91	3844428	113.0	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	91	3554128	113.0	
124 sec-Butylbenzene	134	12.783	12.783	0.0	49	1113151	122.6	
125 4-Isopropyltoluene	119	12.783	12.783	0.0	91	4423405	118.4	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	97	2036249	105.4	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	95	1929974	102.7	
129 n-Butylbenzene	91	13.201	13.201	0.0	96	4020603	119.5	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	1656574	103.4	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.193	0.0	77	101437	105.3	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	91	936926	111.7	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	93	680766	112.6	
134 Naphthalene	128	15.655	15.655	0.0	97	1442675	106.9	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	96	756107	109.2	
S 136 Trihalomethanes, Total	1				0		408.8	
S 137 Xylenes, Total (URS)	1				0		221.1	
S 138 Total BTEX	1				0		541.4	
S 139 1,3-Dichloropropene, Total	1				0		206.0	
S 140 1,2-Dichloroethene, Total	1				0		204.2	
S 141 Xylenes, Total	106				0		221.1	
S 142 1,2-Dichloroethene, Total (URS)	96				0		204.2	

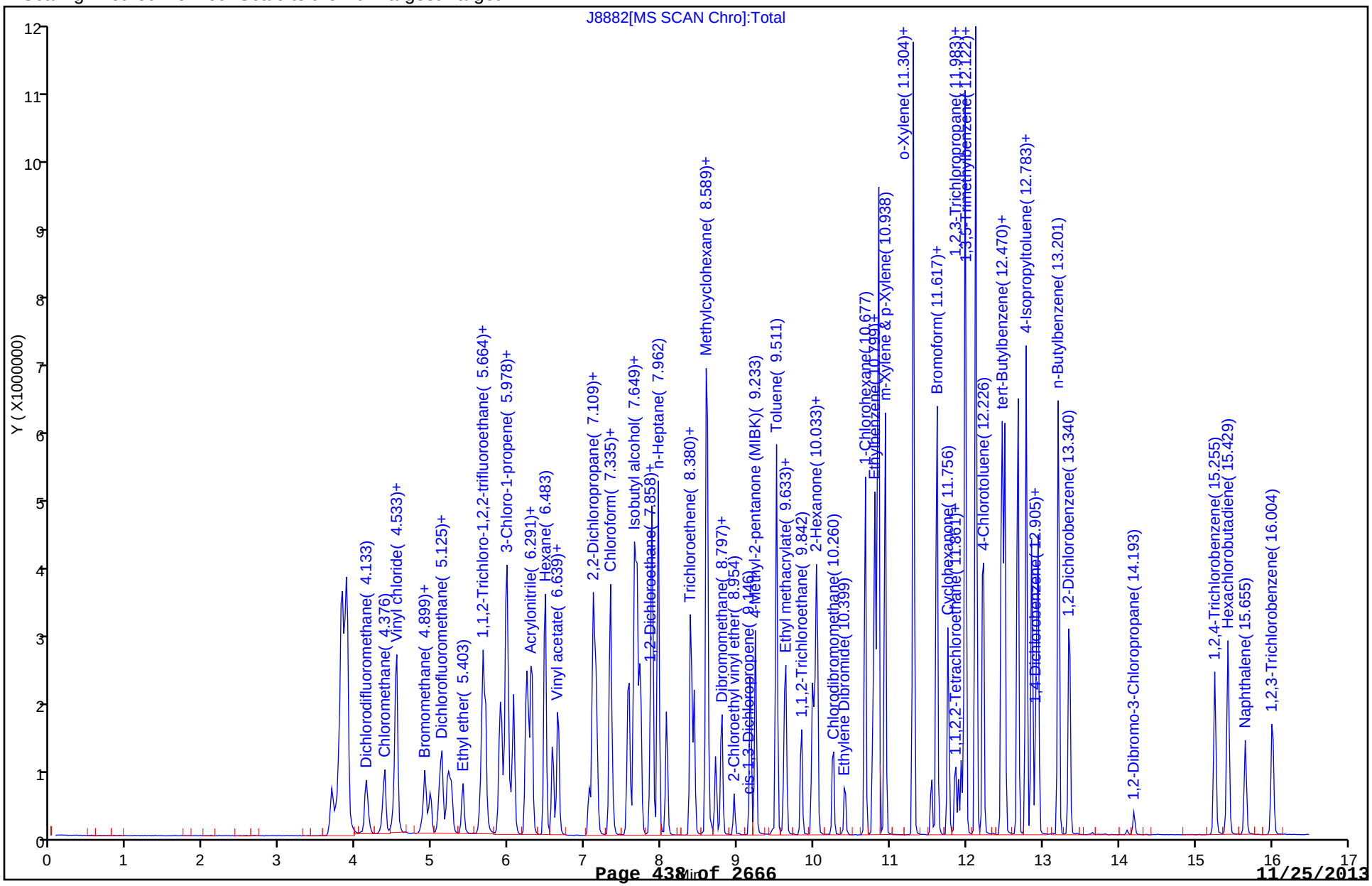
Report Date: 21-Oct-2013 23:37:13 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8882.D

Injection Date:	21-Oct-2013 19:42:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	17
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Lims ID: STD200 Client ID:
Inject. Date: 21-Oct-2013 20:03:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 26
Lims Batch ID: 196983 Lims Sample ID: 18
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:13 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 20:22:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.948	5.948	0.0	65	419792	1000.0	
* 1 Fluorobenzene	96	8.071	8.071	0.0	97	1680824	50.0	
* 2 Chlorobenzene-d5	119	10.786	10.786	0.0	77	367301	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.910	12.910	0.0	96	540857	50.0	
25 Dichlorodifluoromethane	85	4.120	4.120	0.0	99	3129878	196.9	
27 Chloromethane	50	4.364	4.364	0.0	100	3453775	209.4	
28 Vinyl chloride	62	4.520	4.520	0.0	98	3099681	198.9	
147 Butadiene	54	4.520	4.520	0.0	94	2515723	209.9	
31 Bromomethane	94	4.903	4.903	0.0	91	1993351	192.1	
32 Chloroethane	64	4.973	4.973	0.0	99	1699191	189.7	
33 Dichlorofluoromethane	67	5.112	5.112	0.0	94	4735478	190.3	
34 Trichlorofluoromethane	101	5.199	5.199	0.0	95	3621161	197.3	
37 Ethyl ether	59	5.391	5.391	0.0	97	1079160	189.8	
40 Acrolein	56		5.547					
41 Acetone	43	5.652	5.652	0.0	97	1060578	783.2	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.669	5.669	0.0	92	1914363	198.1	
45 1,1-Dichloroethene	96	5.686	5.686	0.0	96	1979004	199.2	
46 Iodomethane	142	5.878	5.878	0.0	98	4154120	201.7	
48 Methyl acetate	43	5.913	5.913	0.0	97	4221895	965.2	
49 3-Chloro-1-propene	41	5.965	5.965	0.0	68	4592300	197.5	
51 Carbon disulfide	76	5.982	5.982	0.0	99	9646479	203.3	
50 2-Methyl-2-propanol	59	6.017	6.017	0.0	78	1022231	2054.0	
52 Methylene Chloride	84	6.069	6.069	0.0	94	1882687	177.8	
53 Acrylonitrile	53	6.226	6.226	0.0	98	3526013	1911.8	
54 Methyl tert-butyl ether	73	6.261	6.261	0.0	92	3518301	210.0	
55 trans-1,2-Dichloroethene	96	6.296	6.296	0.0	93	2256297	197.6	
56 Hexane	57	6.470	6.470	0.0	95	4049133	212.3	
57 Vinyl acetate	43	6.574	6.574	0.0	96	4345375	356.8	
59 1,1-Dichloroethane	63	6.644	6.644	0.0	97	4469556	194.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.044	7.044	0.0	97	2477884	739.8	
64 sec-Butyl Alcohol	45	7.096	7.096	0.0	98	2729039	6555.1	
65 cis-1,2-Dichloroethene	96	7.114	7.114	0.0	86	2186648	205.0	
67 2,2-Dichloropropane	77	7.149	7.149	0.0	91	3435357	201.8	
70 Chloroform	83	7.340	7.340	0.0	96	3679581	191.8	
69 Chlorobromomethane	128	7.323	7.323	0.0	88	922921	199.0	
71 Tetrahydrofuran	42	7.357	7.357	0.0	90	577537	389.9	
73 1,1,1-Trichloroethane	97	7.566	7.566	0.0	94	3383124	203.6	
74 Cyclohexane	56	7.653	7.653	0.0	96	4626909	204.0	
72 Isobutyl alcohol	41	7.653	7.653	0.0	40	2907702	5161.4	
75 1,1-Dichloropropene	75	7.688	7.688	0.0	95	3363238	204.0	
76 Carbon tetrachloride	117	7.723	7.723	0.0	89	3370097	201.1	
77 1,2-Dichloroethane	62	7.862	7.862	0.0	97	2083757	182.0	
79 Benzene	78	7.880	7.880	0.0	97	8281070	202.6	
14 n-Heptane	43	7.967	7.967	0.0	95	4992440	203.8	
81 Trichloroethene	130	8.384	8.384	0.0	94	2544254	202.1	
82 2-Pentanone	43	8.437	8.437	0.0	98	4913303	803.4	
84 1,2-Dichloropropane	63	8.593	8.593	0.0	84	2115317	194.5	
85 Methylcyclohexane	55	8.593	8.593	0.0	95	3757133	196.9	
86 1,4-Dioxane	88	8.645	8.645	0.0	88	188801	3478.9	
87 Dibromomethane	93	8.715	8.715	0.0	86	919471	198.9	
88 Dichlorobromomethane	83	8.785	8.785	0.0	93	2441577	193.4	
89 2-Chloroethyl vinyl ether	63	8.959	8.959	0.0	93	516213	217.8	
91 cis-1,3-Dichloropropene	75	9.168	9.168	0.0	88	2735989	203.7	
92 4-Methyl-2-pentanone (MIBK)	43	9.237	9.237	0.0	97	4728472	800.4	
93 Toluene	91	9.516	9.516	0.0	92	8018649	210.1	
94 Ethyl methacrylate	69	9.620	9.620	0.0	91	1436056	231.2	
95 trans-1,3-Dichloropropene	75	9.638	9.638	0.0	96	2248892	197.7	
96 1,1,2-Trichloroethane	97	9.829	9.829	0.0	94	1044553	197.0	
97 2-Hexanone	43	9.986	9.986	0.0	98	3176059	835.3	
98 1,3-Dichloropropane	76	10.003	10.003	0.0	98	2075000	190.4	
99 Tetrachloroethene	164	10.038	10.038	0.0	95	1905204	196.5	
100 Chlorodibromomethane	129	10.247	10.247	0.0	86	1593892	203.6	
102 Ethylene Dibromide	107	10.403	10.403	0.0	98	1109150	193.3	
103 1-Chlorohexane	91	10.682	10.682	0.0	98	2898325	207.5	
104 Chlorobenzene	112	10.804	10.804	0.0	92	4772210	191.5	
105 Ethylbenzene	106	10.856	10.856	0.0	87	2710885	204.8	
106 1,1,1,2-Tetrachloroethane	131	10.839	10.839	0.0	42	1821328	200.9	
107 m-Xylene & p-Xylene	91	10.943	10.943	0.0	100	6562758	203.8	
108 Styrene	104	11.309	11.309	0.0	87	4445734	223.5	
109 o-Xylene	106	11.309	11.309	0.0	87	2931756	200.2	
110 Bromoform	173	11.535	11.535	0.0	92	853331	212.3	
111 Isopropylbenzene	105	11.604	11.604	0.0	97	8481403	197.5	
113 Cyclohexanone	55	11.761	11.761	0.0	96	2809129	9056.7	
114 1,1,2,2-Tetrachloroethane	83	11.848	11.848	0.0	94	1160009	185.4	
115 trans-1,4-Dichloro-2-butene	53	11.900	11.900	0.0	89	335391	194.9	
116 1,2,3-Trichloropropane	110	11.935	11.935	0.0	82	308681	191.2	
118 Bromobenzene	156	11.987	11.987	0.0	55	1916547	188.5	
117 N-Propylbenzene	120	11.987	11.987	0.0	95	2190504	187.0	
119 1,3,5-Trimethylbenzene	105	12.127	12.127	0.0	86	6172484	192.2	
120 2-Chlorotoluene	126	12.127	12.127	0.0	92	1889738	177.1	
121 4-Chlorotoluene	126	12.214	12.214	0.0	99	1808566	176.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.475	12.475	0.0	89	6640563	190.9	
123 1,2,4-Trimethylbenzene	105	12.510	12.510	0.0	90	5917297	184.0	
124 sec-Butylbenzene	134	12.788	12.788	0.0	54	1763012	189.9	
125 4-Isopropyltoluene	119	12.788	12.788	0.0	95	7083865	185.3	
126 1,3-Dichlorobenzene	146	12.858	12.858	0.0	98	3457282	175.0	
128 1,4-Dichlorobenzene	146	12.945	12.945	0.0	97	3213565	167.1	
129 n-Butylbenzene	91	13.206	13.206	0.0	95	5902570	171.5	
130 1,2-Dichlorobenzene	146	13.345	13.345	0.0	97	2899808	177.0	
131 1,2-Dibromo-3-Chloropropane	157	14.198	14.198	0.0	81	203812	206.8	
132 1,2,4-Trichlorobenzene	180	15.260	15.260	0.0	94	1542927	179.8	
133 Hexachlorobutadiene	225	15.434	15.434	0.0	95	946254	153.0	
134 Naphthalene	128	15.660	15.660	0.0	97	2718733	196.6	
135 1,2,3-Trichlorobenzene	180	16.008	16.008	0.0	95	1279716	180.7	
S 136 Trihalomethanes, Total	1				0		801.1	
S 137 Xylenes, Total (URS)	1				0		404.0	
S 138 Total BTEX	1				0		1021.6	
S 139 1,3-Dichloropropene, Total	1				0		401.4	
S 140 1,2-Dichloroethene, Total	1				0		402.5	
S 141 Xylenes, Total	106				0		404.0	
S 142 1,2-Dichloroethene, Total (URS)	96				0		402.5	

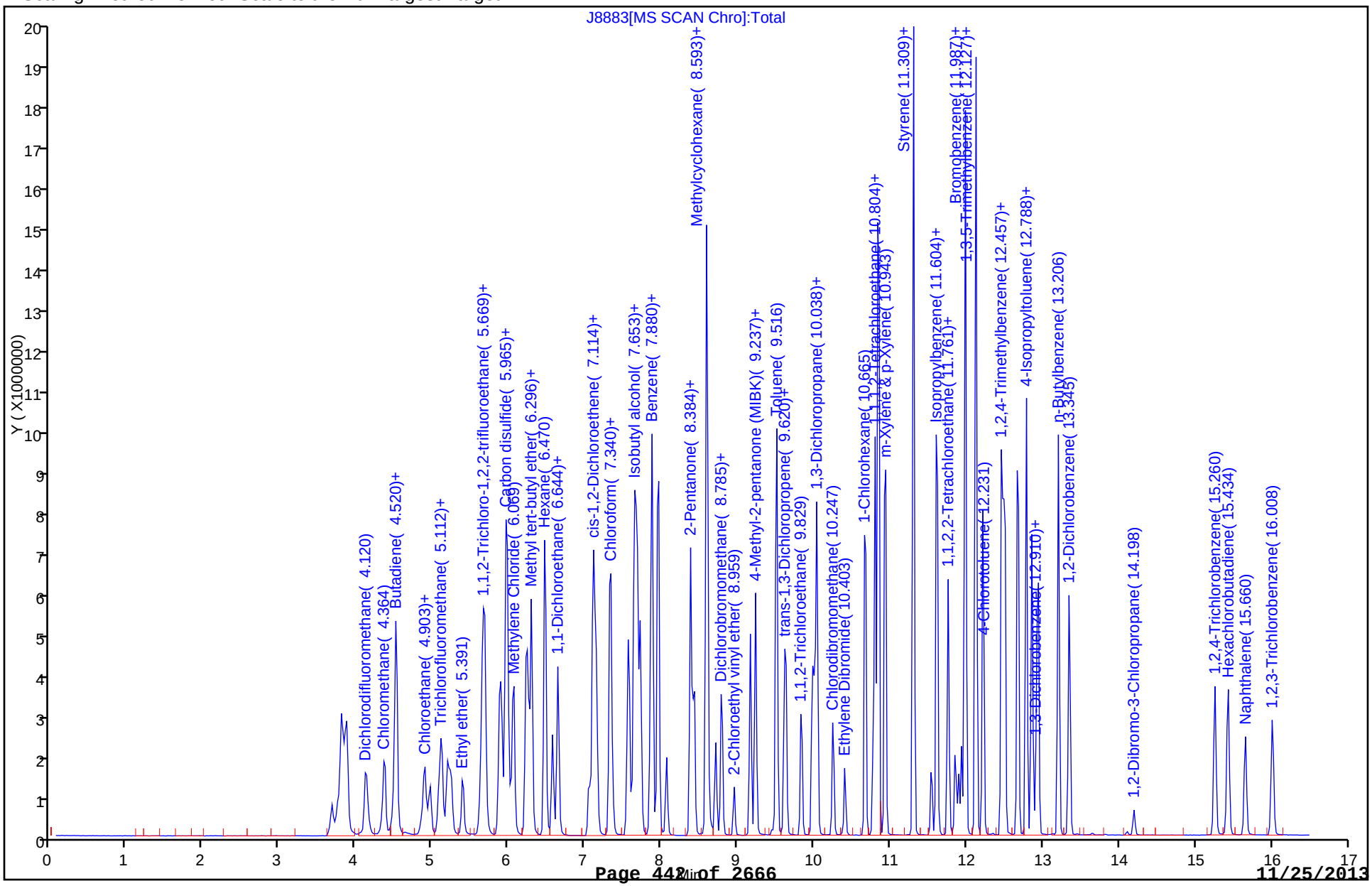
Report Date: 21-Oct-2013 23:37:13 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D

Injection Date:	21-Oct-2013 20:03:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	18
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/10 Calibration Date: 10/21/2013 17:11

Instrument ID: VMS_J Calib Start Date: 10/21/2013 14:09

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 16:49

Lab File ID: J8875.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.1737	0.1641		2360	2500	-5.5	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5748	0.4986		43.4	50.0	-13.3	50.0
Isopropyl alcohol	Lin2		0.8521		474	500	-5.2	50.0
Acetonitrile	Lin2		0.0343		788	500	57.6*	55.0
Isopropyl ether	Ave	0.1991	0.2137		53.7	50.0	7.3	35.0
2-Chloro-1,3-butadiene	Ave	0.5902	0.5502		46.6	50.0	-6.8	35.0
Tert-butyl ethyl ether	Ave	0.7750	0.9141		59.0	50.0	17.9	35.0
Propionitrile	Ave	0.0211	0.0318		755	500	51.1*	35.0
Methacrylonitrile	Ave	0.1126	0.1760		736	500	56.3*	50.0
Tert-amyl methyl ether	Ave	0.5413	0.7050		65.1	50.0	30.2	35.0
Methyl methacrylate	Lin2		0.0567		144	100	44.4*	35.0
cis-1,4-Dichloro-2-butene	Lin1		0.2600		71.6	50.0	43.2	55.0
Dibromofluoromethane (Surr)	Ave	0.3171	0.3272		51.6	50.0	3.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2726	0.3166		58.1	50.0	16.2	20.0
Toluene-d8 (Surr)	Ave	4.543	4.179		46.0	50.0	-8.0	20.0
4-Bromofluorobenzene (Surr)	Ave	1.014	0.9949		49.1	50.0	-1.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8875.D
Lims ID: ICV Client ID:
Inject. Date: 21-Oct-2013 17:11:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 196983 Lims Sample ID: 10
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 22-Oct-2013 16:11:17 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: seifertj Date: 22-Oct-2013 16:11:17

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.949	5.949	0.0	82	340158	1000.0	
* 1 Fluorobenzene	96	8.072	8.072	0.0	97	819414	50.0	
* 2 Chlorobenzene-d5	119	10.770	10.770	0.0	94	180436	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.911	12.911	0.0	97	245357	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.480	7.480	0.0	62	268126	51.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.794	7.794	0.0	98	259421	58.1	
$ 7 Toluene-d8 (Surr)	98	9.447	9.447	0.0	85	753970	46.0	
$ 8 4-Bromofluorobenzene (Surr)	95	11.797	11.797	0.0	95	244099	49.1	
24 Chlorotrifluoroethene	116	4.069	4.069	0.0	92	84146	66.1	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.278	4.278	0.0	98	264799	55.6	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.556	4.556	0.0	32	302808	51.3	
30 Ethylene oxide	43	4.835	4.835	0.0	99	2599445	16038	
35 Ethanol	45	5.235	5.235	0.0	73	139544	2361.5	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.374	5.374	0.0	87	260602	43.1	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.409	5.409	0.0	86	408549	43.4	
39 Propene oxide	58	5.496	5.496	0.0	97	1908560	3592.8	
44 Isopropyl alcohol	45	5.670	5.670	0.0	95	144926	473.9	
47 Acetonitrile	41	5.896	5.896	0.0	100	280937	788.1	
58 Isopropyl ether	87	6.593	6.593	0.0	98	175115	53.7	
60 2-Chloro-1,3-butadiene	53	6.715	6.715	0.0	95	450868	46.6	
61 Tert-butyl ethyl ether	59	6.889	6.889	0.0	97	749027	59.0	
62 Ethyl acetate	43	7.045	7.045	0.0	99	451590	276.5	
66 Propionitrile	54	7.115	7.115	0.0	98	260714	755.5	
68 Methacrylonitrile	41	7.254	7.254	0.0	96	1441913	735.6	
78 Tert-amyl methyl ether	73	7.863	7.863	0.0	94	577720	65.1	
80 n-Butanol	56	8.090	8.090	0.0	95	152759	1318.4	
148 Ethyl acrylate	55	8.316	8.316	0.0	0	257279	72.7	
83 Methyl methacrylate	100	8.542	8.542	0.0	90	92896	144.4	
90 2-Nitropropane	41	8.960	8.960	0.0	97	97981	153.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.039	10.039	0.0	98	382026	141.7	
101 Tetrahydrothiophene	60	10.300	10.300	0.0	51	74686	38.8	
112 cis-1,4-Dichloro-2-butene	53	11.640	11.640	0.0	92	63800	71.6	
127 1,2,3-Trimethylbenzene	105	12.946	12.946	0.0	98	751522	52.8	
146 Benzyl chloride	126	13.050	13.050	0.0	99	57054	65.8	
16 1,3,5-Trichlorobenzene	180	14.443	14.443	0.0	97	298144	50.8	

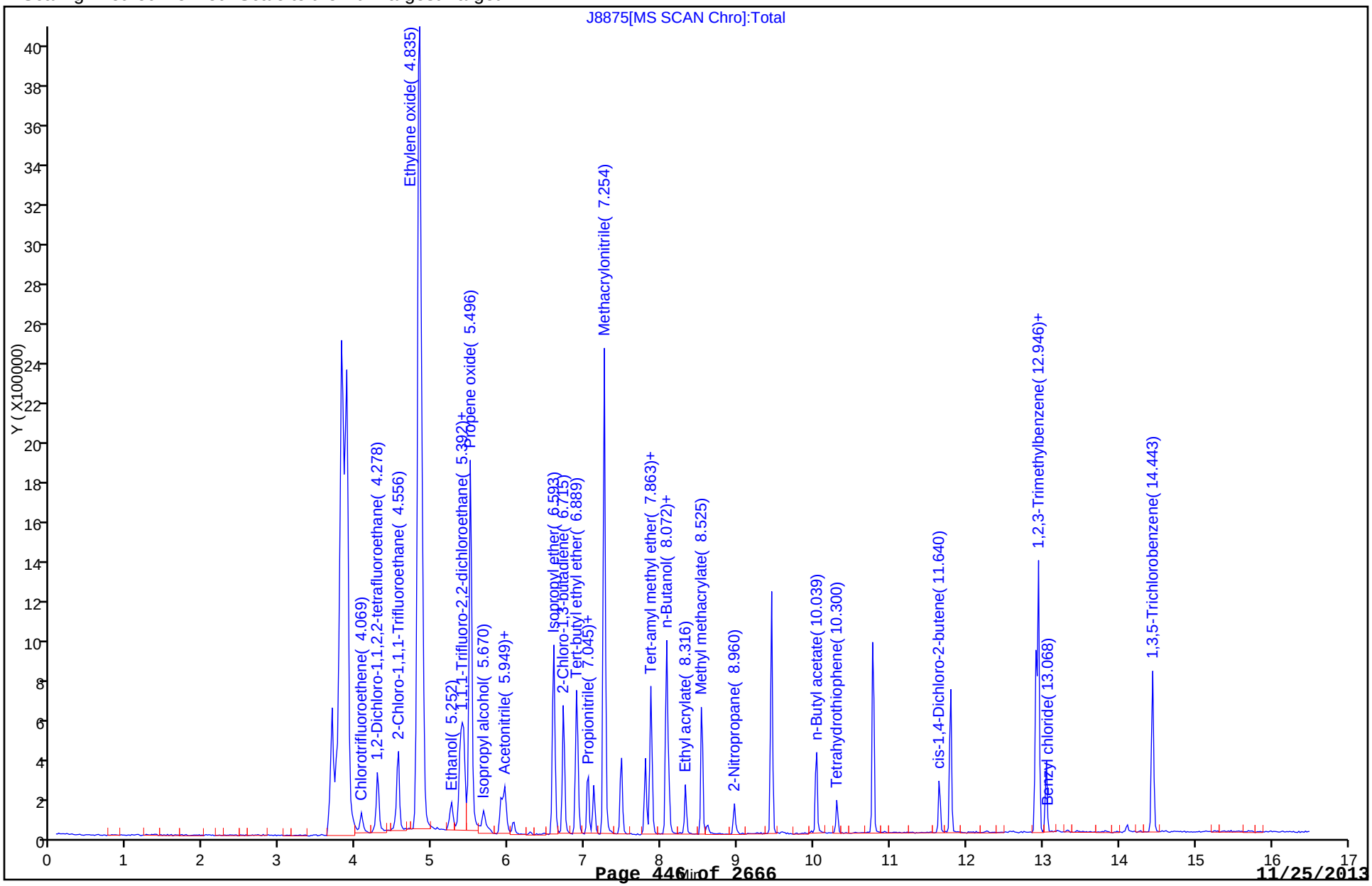
Report Date: 22-Oct-2013 16:11:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8875.D

Injection Date:	21-Oct-2013 17:11:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	10
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/19 Calibration Date: 10/21/2013 20:24

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8884.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.5020		54.8	50.0	9.7	20.0
Chloromethane	Ave	0.4907	0.5490		55.9	50.0	11.9	20.0
Vinyl chloride	Ave	0.4637	0.5210		56.2	50.0	12.4	20.0
Bromomethane	Ave	0.3087	0.3293		53.3	50.0	6.7	20.0
Chloroethane	Ave	0.2665	0.2769		52.0	50.0	3.9	20.0
Dichlorofluoromethane	Ave	0.7401	0.7769		52.5	50.0	5.0	50.0
Trichlorofluoromethane	Ave	0.5459	0.6047		55.4	50.0	10.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2875	0.2961		51.5	50.0	3.0	35.0
Acetone	Lin2		0.0507		234	200	17.0	20.0
1,1-Dichloroethene	Ave	0.2955	0.3154		53.4	50.0	6.7	20.0
Iodomethane	Ave	0.6127	0.6712		54.8	50.0	9.5	35.0
Methyl acetate	Ave	0.1301	0.1409		271	250	8.3	55.0
Allyl chloride	Ave	0.6916	0.6676		48.3	50.0	-3.5	35.0
Carbon disulfide	Ave	1.412	1.493		52.9	50.0	5.8	20.0
2-Methyl-2-propanol	Ave	1.186	1.318		556	500	11.1	50.0
Methylene Chloride	Ave	0.3149	0.3037		48.2	50.0	-3.6	20.0
Acrylonitrile	Ave	0.0549	0.0574		523	500	4.6	55.0
Methyl tert-butyl ether	Ave	0.4983	0.5481		55.0	50.0	10.0	20.0
trans-1,2-Dichloroethene	Ave	0.3397	0.3497		51.5	50.0	2.9	20.0
Hexane	Ave	2.597	2.954		56.9	50.0	13.8	35.0
Vinyl acetate	Ave	0.3623	0.3197		88.2	100	-11.8	55.0
1,1-Dichloroethane	Ave	0.6821	0.6867		50.3	50.0	0.7	20.0
2-Butanone (MEK)	Ave	0.0996	0.1135		228	200	13.9	20.0
2-Butanol	Ave	0.9917	1.164		1760	1500	17.3	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.3284		51.7	50.0	3.5	20.0
2,2-Dichloropropane	Ave	0.5063	0.5036		49.7	50.0	-0.5	20.0
Chlorobromomethane	Ave	0.1380	0.1389		50.3	50.0	0.7	20.0
Chloroform	Ave	0.5706	0.5532		48.5	50.0	-3.1	20.0
Tetrahydrofuran	Ave	0.0441	0.0470		107	100	6.6	55.0
1,1,1-Trichloroethane	Ave	0.4944	0.5144		52.0	50.0	4.1	20.0
Cyclohexane	Ave	0.6746	0.7061		52.3	50.0	4.7	35.0
Isobutyl alcohol	Ave	1.342	1.450		1350	1250	8.1	50.0
1,1-Dichloropropene	Ave	0.4903	0.5401		55.1	50.0	10.1	20.0
Carbon tetrachloride	Ave	0.4986	0.5135		51.5	50.0	3.0	20.0
1,2-Dichloroethane	Ave	0.3406	0.3247		47.7	50.0	-4.7	20.0
Benzene	Ave	1.216	1.217		50.0	50.0	0.0	20.0
Trichloroethene	Ave	0.3744	0.3874		51.7	50.0	3.5	20.0
2-Pentanone	Ave	0.1819	0.1575		173	200	-13.4	35.0
1,2-Dichloropropane	Ave	0.3236	0.3279		50.7	50.0	1.3	20.0
Methylcyclohexane	Ave	0.5675	0.5779		50.9	50.0	1.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/19 Calibration Date: 10/21/2013 20:24

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8884.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.0016	0.0018		1080	1000	8.4	55.0
Dibromomethane	Ave	0.1375	0.1366		49.7	50.0	-0.7	20.0
Dichlorobromomethane	Ave	0.3756	0.3522		46.9	50.0	-6.2	20.0
cis-1,3-Dichloropropene	Ave	1.829	1.881		51.4	50.0	2.9	20.0
4-Methyl-2-pentanone (MIBK)	Qua		0.2232		236	200	18.2	20.0
Toluene	Ave	1.135	1.175		51.8	50.0	3.5	20.0
Ethyl methacrylate	Ave	0.8456	1.039		61.4	50.0	22.9	35.0
trans-1,3-Dichloropropene	Lin1		0.3320		49.1	50.0	-1.7	20.0
1,1,2-Trichloroethane	Ave	0.1578	0.1568		49.7	50.0	-0.6	20.0
1,3-Dichloropropane	Ave	1.484	1.365		46.0	50.0	-8.0	20.0
Tetrachloroethene	Ave	1.320	1.297		49.2	50.0	-1.7	20.0
Chlorodibromomethane	Ave	1.066	1.074		50.4	50.0	0.8	20.0
Ethylene Dibromide	Ave	0.7811	0.7549		48.3	50.0	-3.4	20.0
1-Chlorohexane	Ave	1.902	2.101		55.2	50.0	10.5	35.0
Chlorobenzene	Ave	3.393	3.264		48.1	50.0	-3.8	20.0
1,1,1,2-Tetrachloroethane	Ave	1.234	1.229		49.8	50.0	-0.4	20.0
Ethylbenzene	Ave	1.802	1.843		51.2	50.0	2.3	20.0
m-Xylene & p-Xylene	Ave	4.383	4.521		51.6	50.0	3.1	20.0
o-Xylene	Ave	1.994	2.032		51.0	50.0	1.9	20.0
Styrene	Ave	2.708	2.983		55.1	50.0	10.2	20.0
Bromoform	Ave	0.5471	0.5469		50.0	50.0	-0.0	20.0
Isopropylbenzene	Ave	3.971	4.122		51.9	50.0	3.8	20.0
Cyclohexanone	Ave	0.0422	0.0605		2870	2000	43.4	55.0
1,1,2,2-Tetrachloroethane	Ave	0.5785	0.5475		47.3	50.0	-5.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1591	0.1773		55.7	50.0	11.4	55.0
1,2,3-Trichloropropane	Ave	0.1492	0.1552		52.0	50.0	4.0	20.0
Bromobenzene	Ave	0.9398	0.9301		49.5	50.0	-1.0	20.0
N-Propylbenzene	Ave	1.083	1.121		51.8	50.0	3.5	20.0
1,3,5-Trimethylbenzene	Ave	2.968	3.198		53.9	50.0	7.7	20.0
2-Chlorotoluene	Ave	0.9862	0.9724		49.3	50.0	-1.4	20.0
4-Chlorotoluene	Ave	0.9475	0.9492		50.1	50.0	0.2	20.0
tert-Butylbenzene	Ave	3.216	3.434		53.4	50.0	6.8	20.0
1,2,4-Trimethylbenzene	Ave	2.974	3.097		52.1	50.0	4.1	20.0
sec-Butylbenzene	Ave	0.8583	0.9039		52.7	50.0	5.3	20.0
4-Isopropyltoluene	Ave	3.533	3.800		53.8	50.0	7.6	20.0
1,3-Dichlorobenzene	Ave	1.826	1.770		48.5	50.0	-3.1	20.0
1,4-Dichlorobenzene	Ave	1.778	1.696		47.7	50.0	-4.6	20.0
n-Butylbenzene	Ave	3.182	3.435		54.0	50.0	8.0	20.0
1,2-Dichlorobenzene	Ave	1.514	1.478		48.8	50.0	-2.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0911	0.0983		53.9	50.0	7.8	20.0
1,2,4-Trichlorobenzene	Ave	0.7935	0.8356		52.7	50.0	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/19 Calibration Date: 10/21/2013 20:24

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8884.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.5718	0.5770		50.5	50.0	0.9	20.0
Naphthalene	Lin		1.455		57.2	50.0	14.5	20.0
1,2,3-Trichlorobenzene	Ave	0.6546	0.6968		53.2	50.0	6.4	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8884.D
Lims ID: ICV Client ID:
Inject. Date: 21-Oct-2013 20:24:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 27
Lims Batch ID: 196983 Lims Sample ID: 19
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 22-Oct-2013 16:14:21 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: dukesa Date: 21-Oct-2013 23:51:51

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.949	0.011	41	418640	1000.0	
* 1 Fluorobenzene	96	8.066	8.072	-0.006	97	1584761	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.770	0.011	75	349091	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.911	0.011	89	494732	50.0	
25 Dichlorodifluoromethane	85	4.132	4.120	0.012	97	795614	54.8	
27 Chloromethane	50	4.376	4.364	0.012	100	869977	55.9	
147 Butadiene	54	4.532	4.520	0.012	88	661047	58.5	
28 Vinyl chloride	62	4.515	4.520	-0.005	98	825636	56.2	
31 Bromomethane	94	4.898	4.903	-0.005	92	521893	53.3	
32 Chloroethane	64	4.968	4.973	-0.005	99	438889	52.0	
33 Dichlorofluoromethane	67	5.124	5.112	0.012	91	1231125	52.5	
34 Trichlorofluoromethane	101	5.211	5.199	0.012	98	958300	55.4	
37 Ethyl ether	59	5.403	5.391	0.012	97	282531	52.7	
41 Acetone	43	5.664	5.652	0.012	95	321558	234.0	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.669	-0.005	93	469318	51.5	
45 1,1-Dichloroethene	96	5.699	5.686	0.013	98	499836	53.4	
46 Iodomethane	142	5.890	5.878	0.012	99	1063609	54.8	
48 Methyl acetate	43	5.907	5.913	-0.006	90	1116763	270.8	
49 3-Chloro-1-propene	41	5.960	5.965	-0.005	77	1058005	48.3	
51 Carbon disulfide	76	5.977	5.982	-0.005	99	2366137	52.9	
50 2-Methyl-2-propanol	59	6.029	6.017	0.012	54	275814	555.7	
52 Methylene Chloride	84	6.064	6.069	-0.005	94	481357	48.2	
53 Acrylonitrile	53	6.238	6.226	0.012	98	909255	522.9	
54 Methyl tert-butyl ether	73	6.256	6.261	-0.005	99	868573	55.0	
55 trans-1,2-Dichloroethene	96	6.308	6.296	0.012	95	554213	51.5	
56 Hexane	57	6.482	6.470	0.012	95	1031203	56.9	
57 Vinyl acetate	43	6.569	6.574	-0.005	90	1013240	88.2	
59 1,1-Dichloroethane	63	6.639	6.644	-0.006	97	1088300	50.3	
63 2-Butanone (MEK)	43	7.056	7.044	0.012	98	719508	227.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
64 sec-Butyl Alcohol	45	7.091	7.096	-0.005	98	730672	1759.9	
65 cis-1,2-Dichloroethene	96	7.108	7.114	-0.006	87	520431	51.7	
67 2,2-Dichloropropane	77	7.143	7.149	-0.006	93	798115	49.7	
69 Chlorobromomethane	128	7.335	7.323	0.012	90	220096	50.3	
70 Chloroform	83	7.335	7.340	-0.005	96	876622	48.5	
71 Tetrahydrofuran	42	7.370	7.357	0.013	88	148945	106.6	
73 1,1,1-Trichloroethane	97	7.578	7.566	0.012	91	815235	52.0	
74 Cyclohexane	56	7.648	7.653	-0.005	97	1118981	52.3	
72 Isobutyl alcohol	41	7.648	7.653	-0.005	38	758919	1350.9	
75 1,1-Dichloropropene	75	7.683	7.688	-0.005	93	855896	55.1	
76 Carbon tetrachloride	117	7.718	7.723	-0.005	76	813828	51.5	
77 1,2-Dichloroethane	62	7.857	7.862	-0.005	97	514537	47.7	
79 Benzene	78	7.874	7.880	-0.006	98	1928295	50.0	
14 n-Heptane	43	7.961	7.967	-0.006	96	1205431	52.2	
81 Trichloroethene	130	8.379	8.384	-0.005	94	613877	51.7	
82 2-Pentanone	43	8.431	8.437	-0.006	97	998216	173.1	
84 1,2-Dichloropropane	63	8.588	8.593	-0.005	77	519659	50.7	
85 Methylcyclohexane	55	8.605	8.593	0.012	92	915855	50.9	
86 1,4-Dioxane	88	8.658	8.645	0.013	93	55478	1084.2	
87 Dibromomethane	93	8.710	8.715	-0.005	84	216445	49.7	
88 Dichlorobromomethane	83	8.797	8.785	0.012	92	558181	46.9	
89 2-Chloroethyl vinyl ether	63	8.953	8.959	-0.006	93	120666	54.0	
91 cis-1,3-Dichloropropene	75	9.162	9.168	-0.006	85	656752	51.4	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.237	-0.005	97	1415055	236.4	
93 Toluene	91	9.510	9.516	-0.006	91	1862344	51.8	
94 Ethyl methacrylate	69	9.615	9.620	-0.005	92	362647	61.4	
95 trans-1,3-Dichloropropene	75	9.632	9.638	-0.006	99	526130	49.1	
96 1,1,2-Trichloroethane	97	9.841	9.829	0.012	95	248509	49.7	
97 2-Hexanone	43		9.986					
98 1,3-Dichloropropane	76	10.015	10.003	0.012	94	476533	46.0	
99 Tetrachloroethene	164	10.050	10.038	0.012	97	452911	49.2	
100 Chlorodibromomethane	129	10.259	10.247	0.012	86	374846	50.4	
102 Ethylene Dibromide	107	10.416	10.403	0.013	98	263510	48.3	
103 1-Chlorohexane	91	10.677	10.682	-0.005	96	733312	55.2	
104 Chlorobenzene	112	10.798	10.804	-0.006	88	1139414	48.1	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.839	0.012	42	428992	49.8	
105 Ethylbenzene	106	10.851	10.856	-0.005	89	643504	51.2	
107 m-Xylene & p-Xylene	91	10.938	10.943	-0.005	99	1578090	51.6	
108 Styrene	104	11.303	11.309	-0.006	82	1041454	55.1	
109 o-Xylene	106	11.303	11.309	-0.006	86	709450	51.0	
110 Bromoform	173	11.547	11.535	0.012	93	190909	50.0	
111 Isopropylbenzene	105	11.617	11.604	0.013	96	2039157	51.9	
113 Cyclohexanone	55	11.756	11.761	-0.005	97	845373	2867.7	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.848	0.012	81	270873	47.3	
115 trans-1,4-Dichloro-2-butene	53	11.895	11.900	-0.005	82	87693	55.7	
116 1,2,3-Trichloropropane	110	11.930	11.935	-0.005	53	76779	52.0	A
118 Bromobenzene	156	11.982	11.987	-0.005	57	460128	49.5	
117 N-Propylbenzene	120	11.982	11.987	-0.005	97	554677	51.8	
120 2-Chlorotoluene	126	12.121	12.127	-0.006	84	481079	49.3	
119 1,3,5-Trimethylbenzene	105	12.121	12.127	-0.006	87	1581982	53.9	
121 4-Chlorotoluene	126	12.226	12.214	0.012	97	469584	50.1	
122 tert-Butylbenzene	119	12.469	12.475	-0.006	91	1698948	53.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 1,2,4-Trimethylbenzene	105	12.504	12.510	-0.006	91	1532113	52.1	
125 4-Isopropyltoluene	119	12.783	12.788	-0.005	95	1880024	53.8	
124 sec-Butylbenzene	134	12.678	12.788	-0.110	94	447169	52.7	
126 1,3-Dichlorobenzene	146	12.852	12.858	-0.006	96	875728	48.5	
128 1,4-Dichlorobenzene	146	12.939	12.945	-0.006	93	839139	47.7	
129 n-Butylbenzene	91	13.201	13.206	-0.006	96	1699408	54.0	
130 1,2-Dichlorobenzene	146	13.357	13.345	0.012	98	730996	48.8	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.198	-0.005	74	48606	53.9	
132 1,2,4-Trichlorobenzene	180	15.254	15.260	-0.006	94	413417	52.7	
133 Hexachlorobutadiene	225	15.428	15.434	-0.006	92	285456	50.5	
134 Naphthalene	128	15.655	15.660	-0.005	97	719701	57.2	
135 1,2,3-Trichlorobenzene	180	16.020	16.008	0.012	95	344727	53.2	
S 136 Trihalomethanes, Total	1				0		195.7	
S 137 Xylenes, Total (URS)	1				0		102.5	
S 139 1,3-Dichloropropene, Total	1				0		100.6	
S 140 1,2-Dichloroethene, Total	1				0		103.2	
S 141 Xylenes, Total	106				0		102.5	
S 142 1,2-Dichloroethene, Total (URS)	96				0		103.2	

QC Flag Legend

Review Flags
A - User Assigned ID

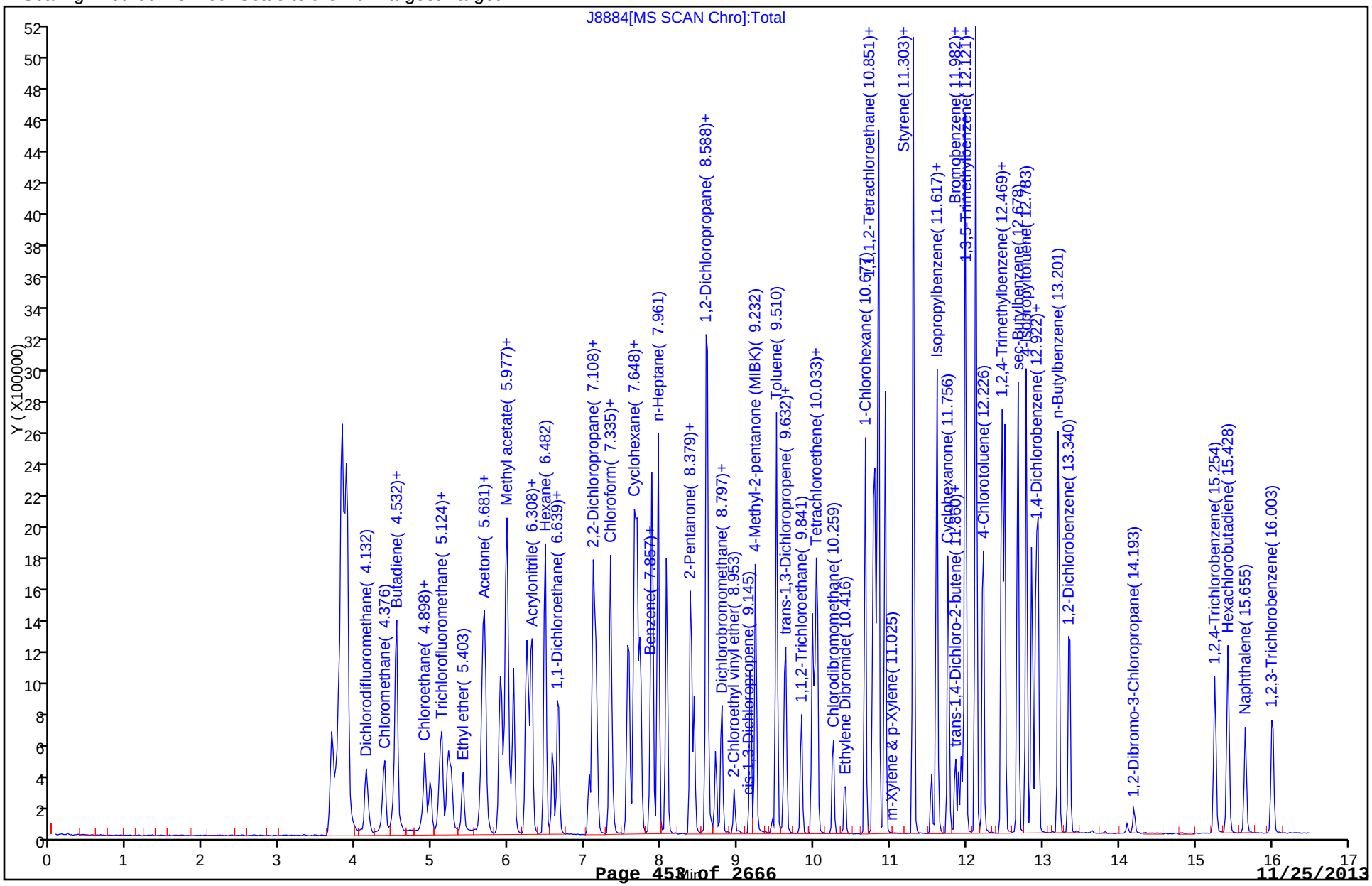
Report Date: 22-Oct-2013 16:14:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8884.D

Injection Date:	21-Oct-2013 20:24:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	19
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

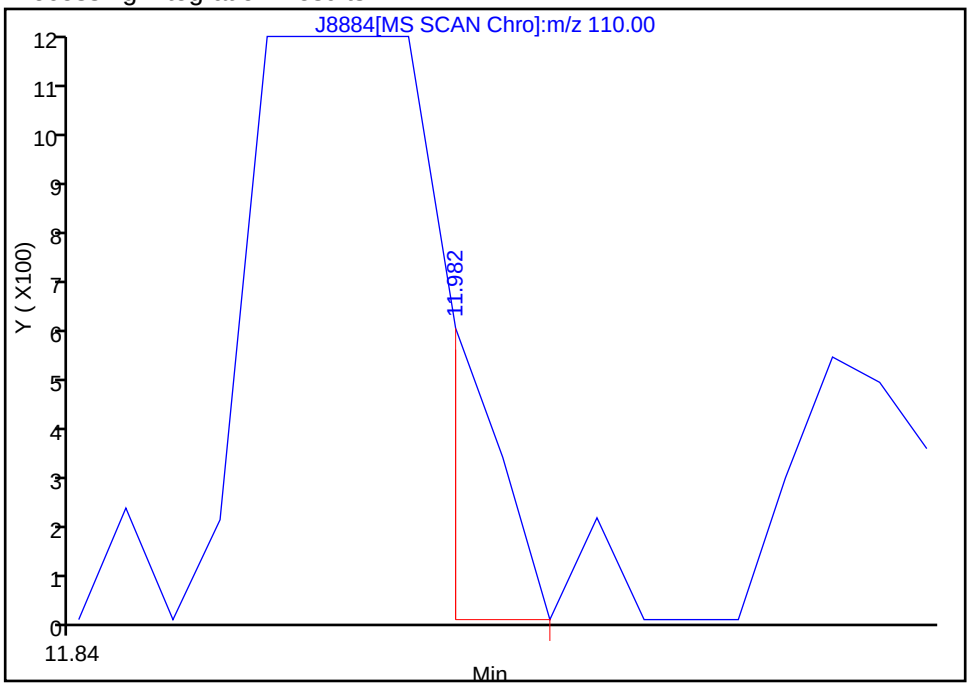
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8884.D		
Injection Date:	21-Oct-2013 20:24:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	19
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

116 1,2,3-Trichloropropane, Signal: 1, m/z: 110.0 Type: quant, RT: 11.94

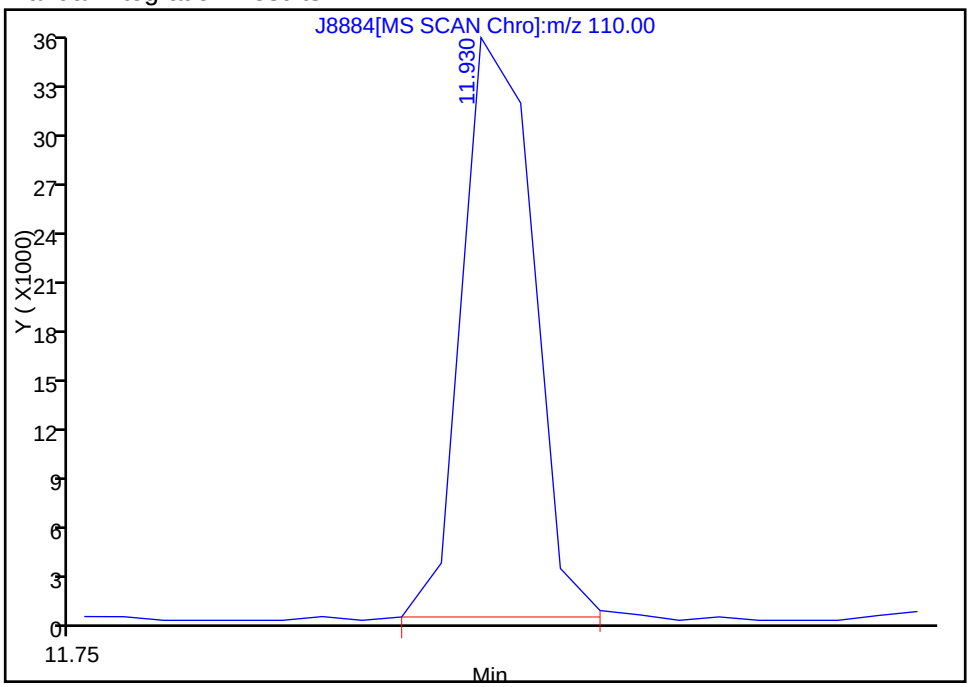
Processing Integration Results

RT: 11.98
Response: 972
Amount: 0.658231



Manual Integration Results

RT: 11.93
Response: 76779
Amount: 51.994162



Reviewer: dukesa, 21-Oct-2013 23:51:51
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/35 Calibration Date: 10/21/2013 23:57

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8892.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	0.5176	0.4400		170	200	-15.0	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8892.D
Lims ID: ICV Client ID:
Inject. Date: 21-Oct-2013 23:57:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 35
Lims Batch ID: 196983 Lims Sample ID: 35
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 22-Oct-2013 16:13:56 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: dukesa Date: 22-Oct-2013 00:18:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.948	5.949	-0.001	70	406976	1000.0	
* 1 Fluorobenzene	96	8.072	8.072	0.0	97	1413106	50.0	
* 2 Chlorobenzene-d5	119	10.787	10.770	0.017	89	302702	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.911	12.911	0.0	97	385108	50.0	
25 Dichlorodifluoromethane	85	4.138	4.120	0.018	98	454421	36.0	
27 Chloromethane	50	4.364	4.364	0.0	99	486344	35.1	
147 Butadiene	54	4.538	4.520	0.018	93	350348	34.8	
28 Vinyl chloride	62	4.521	4.520	0.001	99	478364	36.5	
31 Bromomethane	94	4.904	4.903	0.001	91	306741	35.2	
32 Chloroethane	64	4.974	4.973	0.001	99	274690	36.5	
33 Dichlorofluoromethane	67	5.113	5.112	0.001	94	875283	41.8	
34 Trichlorofluoromethane	101	5.200	5.199	0.001	94	609662	39.5	
41 Acetone	43	5.652	5.652	0.0	97	254006	204.3	
63 2-Butanone (MEK)	43	7.045	7.044	0.001	97	397903	141.3	
92 4-Methyl-2-pentanone (MIBK)	43	9.238	9.237	0.001	98	843480	158.7	
97 2-Hexanone	43	9.986	9.986	0.0	98	532751	170.0	
113 Cyclohexanone	55	11.762	11.761	0.001	96	179971	704.1	

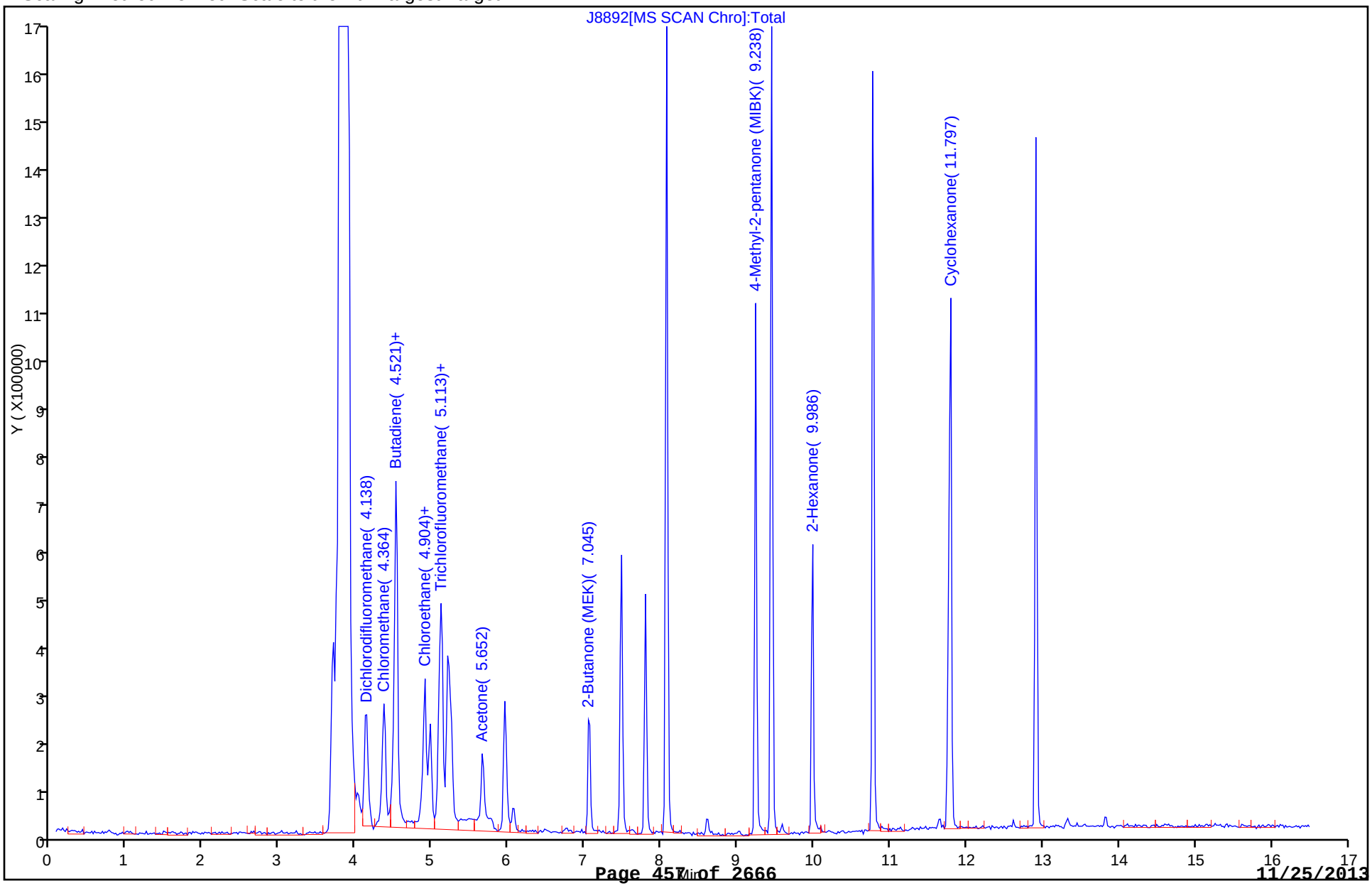
Report Date: 22-Oct-2013 16:13:57 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8892.D

Injection Date:	21-Oct-2013 23:57:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	35
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198398/2 Calibration Date: 10/29/2013 17:07

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J9000.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.4545		49.9	50.0	-0.3	20.0
Chloromethane	Ave	0.4907	0.4314		44.0	50.0	-12.1	20.0
Vinyl chloride	Ave	0.4637	0.3945		42.5	50.0	-14.9	20.0
Bromomethane	Ave	0.3087	0.2611		42.3	50.0	-15.4	20.0
Chloroethane	Ave	0.2665	0.2193		41.2	50.0	-17.7	20.0
Dichlorofluoromethane	Ave	0.7401	0.6351		42.9	50.0	-14.2	50.0
Trichlorofluoromethane	Ave	0.5459	0.5140		47.1	50.0	-5.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2875	0.2656		46.2	50.0	-7.6	50.0
Acetone	Lin2		0.0462		211	200	5.4	20.0
1,1-Dichloroethene	Ave	0.2955	0.2866		48.5	50.0	-3.0	20.0
Iodomethane	Ave	0.6127	0.5772		47.1	50.0	-5.8	35.0
Methyl acetate	Ave	0.1301	0.1345		258	250	3.4	50.0
Allyl chloride	Ave	0.6916	0.6762		48.9	50.0	-2.2	35.0
Carbon disulfide	Ave	1.412	1.369		48.5	50.0	-3.0	20.0
2-Methyl-2-propanol	Ave	1.186	1.058		446	500	-10.8	50.0
Methylene Chloride	Ave	0.3149	0.3167		50.3	50.0	0.6	20.0
Acrylonitrile	Ave	0.0549	0.0552		503	500	0.6	50.0
Methyl tert-butyl ether	Ave	0.4983	0.5002		50.2	50.0	0.4	20.0
trans-1,2-Dichloroethene	Ave	0.3397	0.3357		49.4	50.0	-1.2	20.0
Hexane	Ave	2.597	2.276		43.8	50.0	-12.3	35.0
Vinyl acetate	Ave	0.3623	0.4014		111	100	10.8	50.0
1,1-Dichloroethane	Ave	0.6821	0.6558		48.1	50.0	-3.8	20.0
2-Butanone (MEK)	Ave	0.0996	0.1020		205	200	2.3	20.0
2-Butanol	Ave	0.9917	0.9077		1370	1500	-8.5	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.3235		51.0	50.0	1.9	20.0
2,2-Dichloropropane	Ave	0.5063	0.5170		51.1	50.0	2.1	20.0
Chlorobromomethane	Ave	0.1380	0.1435		52.0	50.0	4.0	20.0
Chloroform	Ave	0.5706	0.5636		49.4	50.0	-1.2	20.0
Tetrahydrofuran	Ave	0.0441	0.0435		98.6	100	-1.4	50.0
1,1,1-Trichloroethane	Ave	0.4944	0.5094		51.5	50.0	3.0	20.0
Cyclohexane	Ave	0.6746	0.6496		48.1	50.0	-3.7	35.0
Isobutyl alcohol	Ave	1.342	1.068		995	1250	-20.4	50.0
1,1-Dichloropropene	Ave	0.4903	0.5057		51.6	50.0	3.1	20.0
Carbon tetrachloride	Ave	0.4986	0.4987		50.0	50.0	0.0	20.0
1,2-Dichloroethane	Ave	0.3406	0.3236		47.5	50.0	-5.0	20.0
Benzene	Ave	1.216	1.222		50.3	50.0	0.5	20.0
Trichloroethene	Ave	0.3744	0.3745		50.0	50.0	0.0	20.0
2-Pentanone	Ave	0.1819	0.2047		225	200	12.5	35.0
1,2-Dichloropropane	Ave	0.3236	0.3359		51.9	50.0	3.8	20.0
Methylcyclohexane	Ave	0.5675	0.5510		48.5	50.0	-2.9	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198398/2 Calibration Date: 10/29/2013 17:07

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J9000.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.0016	0.0016		977	1000	-2.3	50.0
Dibromomethane	Ave	0.1375	0.1488		54.1	50.0	8.3	20.0
Dichlorobromomethane	Ave	0.3756	0.3851		51.3	50.0	2.5	20.0
cis-1,3-Dichloropropene	Ave	1.829	1.742		47.6	50.0	-4.8	20.0
4-Methyl-2-pentanone (MIBK)	Qua		0.1791		190	200	-5.1	20.0
Toluene	Ave	1.135	1.239		54.6	50.0	9.1	20.0
Ethyl methacrylate	Ave	0.8456	0.8286		49.0	50.0	-2.0	35.0
trans-1,3-Dichloropropene	Lin1		0.3590		53.1	50.0	6.3	20.0
1,1,2-Trichloroethane	Ave	0.1578	0.1753		55.6	50.0	11.1	20.0
2-Hexanone	Ave	0.5176	0.4757		184	200	-8.1	20.0
1,3-Dichloropropane	Ave	1.484	1.440		48.5	50.0	-2.9	20.0
Tetrachloroethene	Ave	1.320	1.318		49.9	50.0	-0.1	20.0
Chlorodibromomethane	Ave	1.066	1.069		50.2	50.0	0.3	20.0
Ethylene Dibromide	Ave	0.7811	0.7625		48.8	50.0	-2.4	20.0
1-Chlorohexane	Ave	1.902	2.045		53.8	50.0	7.5	35.0
Chlorobenzene	Ave	3.393	3.342		49.2	50.0	-1.5	20.0
1,1,1,2-Tetrachloroethane	Ave	1.234	1.227		49.7	50.0	-0.6	20.0
Ethylbenzene	Ave	1.802	1.880		52.2	50.0	4.3	20.0
m-Xylene & p-Xylene	Ave	4.383	4.630		52.8	50.0	5.6	20.0
o-Xylene	Ave	1.994	2.117		53.1	50.0	6.2	20.0
Styrene	Ave	2.708	2.994		55.3	50.0	10.5	20.0
Bromoform	Ave	0.5471	0.5781		52.8	50.0	5.7	20.0
Isopropylbenzene	Ave	3.971	4.076		51.3	50.0	2.7	20.0
Cyclohexanone	Ave	0.0422	0.0419		1980	2000	-0.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5785	0.6038		52.2	50.0	4.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1591	0.1564		49.2	50.0	-1.7	50.0
1,2,3-Trichloropropane	Ave	0.1492	0.1502		50.3	50.0	0.7	20.0
Bromobenzene	Ave	0.9398	0.9595		51.1	50.0	2.1	20.0
N-Propylbenzene	Ave	1.083	1.150		53.1	50.0	6.2	20.0
1,3,5-Trimethylbenzene	Ave	2.968	3.169		53.4	50.0	6.8	20.0
2-Chlorotoluene	Ave	0.9862	0.996		50.5	50.0	1.0	20.0
4-Chlorotoluene	Ave	0.9475	0.9564		50.5	50.0	0.9	20.0
tert-Butylbenzene	Ave	3.216	3.370		52.4	50.0	4.8	20.0
1,2,4-Trimethylbenzene	Ave	2.974	3.129		52.6	50.0	5.2	20.0
sec-Butylbenzene	Ave	0.8583	0.9017		52.5	50.0	5.1	20.0
4-Isopropyltoluene	Ave	3.533	3.850		54.5	50.0	9.0	20.0
1,3-Dichlorobenzene	Ave	1.826	1.861		51.0	50.0	1.9	20.0
1,4-Dichlorobenzene	Ave	1.778	1.797		50.5	50.0	1.1	20.0
n-Butylbenzene	Ave	3.182	3.554		55.8	50.0	11.7	20.0
1,2-Dichlorobenzene	Ave	1.514	1.551		51.2	50.0	2.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0911	0.0908		49.8	50.0	-0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198398/2 Calibration Date: 10/29/2013 17:07

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J9000.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.7935	0.8549		53.9	50.0	7.7	20.0
Hexachlorobutadiene	Ave	0.5718	0.6521		57.0	50.0	14.0	20.0
Naphthalene	Lin		1.183		46.6	50.0	-6.8	20.0
1,2,3-Trichlorobenzene	Ave	0.6546	0.6928		52.9	50.0	5.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\J9000.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	29-Oct-2013 17:07:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	DUKESA	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	10
Lims Batch ID:	198398	Lims Sample ID:	2
Sublist:	chrom-SO_VMSJ_8260*sub74		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m		
Last Update:	30-Oct-2013 16:35:06	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK032		
First Level Reviewer: dukesa		Date:	29-Oct-2013 17:26:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.944	5.944	0.0	74	430648	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	98	1341697	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	84	320466	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.923	12.923	0.0	94	473614	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	99	609773	49.9	
27 Chloromethane	50	4.360	4.360	0.0	100	578788	44.0	
28 Vinyl chloride	62	4.516	4.516	0.0	98	529292	42.5	
147 Butadiene	54	4.534	4.534	0.0	88	426542	44.6	
31 Bromomethane	94	4.899	4.899	0.0	93	350251	42.3	
32 Chloroethane	64	4.969	4.969	0.0	99	294267	41.2	
33 Dichlorofluoromethane	67	5.108	5.108	0.0	94	852168	42.9	
34 Trichlorofluoromethane	101	5.213	5.213	0.0	98	689643	47.1	
37 Ethyl ether	59	5.404	5.404	0.0	96	186703	41.1	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.665	5.665	0.0	93	356379	46.2	
41 Acetone	43	5.665	5.665	0.0	95	247904	210.8	
45 1,1-Dichloroethene	96	5.683	5.683	0.0	95	384471	48.5	
46 Iodomethane	142	5.874	5.874	0.0	98	774364	47.1	
48 Methyl acetate	43	5.909	5.909	0.0	90	902154	258.4	
49 3-Chloro-1-propene	41	5.961	5.961	0.0	75	907240	48.9	
51 Carbon disulfide	76	5.978	5.978	0.0	99	1836479	48.5	
50 2-Methyl-2-propanol	59	6.013	6.013	0.0	53	227762	446.1	
52 Methylene Chloride	84	6.065	6.065	0.0	94	424883	50.3	
53 Acrylonitrile	53	6.222	6.222	0.0	99	740288	502.8	
54 Methyl tert-butyl ether	73	6.257	6.257	0.0	93	671127	50.2	
55 trans-1,2-Dichloroethene	96	6.292	6.292	0.0	93	450347	49.4	
56 Hexane	57	6.466	6.466	0.0	94	729402	43.8	
57 Vinyl acetate	43	6.570	6.570	0.0	97	1077188	110.8	
59 1,1-Dichloroethane	63	6.640	6.640	0.0	97	879887	48.1	
63 2-Butanone (MEK)	43	7.058	7.058	0.0	98	547182	204.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	97	586376	1373.0	
65 cis-1,2-Dichloroethene	96	7.110	7.110	0.0	87	434088	51.0	
67 2,2-Dichloropropane	77	7.145	7.145	0.0	94	693627	51.1	
69 Chlorobromomethane	128	7.319	7.319	0.0	93	192520	52.0	
70 Chloroform	83	7.336	7.336	0.0	96	756181	49.4	
71 Tetrahydrofuran	42	7.353	7.353	0.0	87	116635	98.6	
73 1,1,1-Trichloroethane	97	7.562	7.562	0.0	90	683466	51.5	
74 Cyclohexane	56	7.649	7.649	0.0	96	871546	48.1	
72 Isobutyl alcohol	41	7.649	7.649	0.0	39	574767	994.5	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	87	678533	51.6	
76 Carbon tetrachloride	117	7.719	7.719	0.0	78	669053	50.0	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	91	434176	47.5	
79 Benzene	78	7.876	7.876	0.0	98	1639641	50.3	
14 n-Heptane	43	7.963	7.963	0.0	95	962676	49.2	
81 Trichloroethene	130	8.380	8.380	0.0	93	502516	50.0	
82 2-Pentanone	43	8.433	8.433	0.0	97	1098759	225.1	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	73	450653	51.9	
85 Methylcyclohexane	55	8.589	8.589	0.0	87	739206	48.5	
86 1,4-Dioxane	88	8.642	8.642	0.0	94	42308	976.6	
87 Dibromomethane	93	8.711	8.711	0.0	84	199700	54.1	
88 Dichlorobromomethane	83	8.781	8.781	0.0	97	516662	51.3	
89 2-Chloroethyl vinyl ether	63	8.955	8.955	0.0	93	113217	59.8	
91 cis-1,3-Dichloropropene	75	9.164	9.164	0.0	86	558110	47.6	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	97	961425	189.9	
93 Toluene	91	9.512	9.512	0.0	92	1662556	54.6	
94 Ethyl methacrylate	69	9.616	9.616	0.0	91	265541	49.0	
95 trans-1,3-Dichloropropene	75	9.634	9.634	0.0	97	481690	53.1	
96 1,1,2-Trichloroethane	97	9.843	9.843	0.0	94	235160	55.6	
97 2-Hexanone	43	9.982	9.982	0.0	98	609718	183.8	
98 1,3-Dichloropropane	76	10.017	10.017	0.0	99	461573	48.5	
99 Tetrachloroethene	164	10.034	10.034	0.0	92	422306	49.9	
100 Chlorodibromomethane	129	10.243	10.243	0.0	86	342644	50.2	
102 Ethylene Dibromide	107	10.399	10.399	0.0	97	244369	48.8	
103 1-Chlorohexane	91	10.678	10.678	0.0	98	655263	53.8	
104 Chlorobenzene	112	10.800	10.800	0.0	90	1070884	49.2	
106 1,1,1,2-Tetrachloroethane	131	10.852	10.852	0.0	43	393268	49.7	
105 Ethylbenzene	106	10.852	10.852	0.0	87	602420	52.2	
107 m-Xylene & p-Xylene	91	10.939	10.939	0.0	100	1483774	52.8	
109 o-Xylene	106	11.305	11.305	0.0	87	678491	53.1	
108 Styrene	104	11.305	11.305	0.0	83	959451	55.3	
110 Bromoform	173	11.548	11.548	0.0	94	185268	52.8	
111 Isopropylbenzene	105	11.618	11.618	0.0	96	1930557	51.3	
113 Cyclohexanone	55	11.757	11.757	0.0	97	536859	1983.8	
114 1,1,2,2-Tetrachloroethane	83	11.862	11.862	0.0	80	285954	52.2	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	83	74091	49.2	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	89	71148	50.3	
118 Bromobenzene	156	11.983	11.983	0.0	56	454451	51.1	
117 N-Propylbenzene	120	11.983	11.983	0.0	95	544788	53.1	
120 2-Chlorotoluene	126	12.123	12.123	0.0	86	471890	50.5	
119 1,3,5-Trimethylbenzene	105	12.123	12.123	0.0	87	1500954	53.4	
121 4-Chlorotoluene	126	12.227	12.227	0.0	97	452952	50.5	
122 tert-Butylbenzene	119	12.471	12.471	0.0	91	1596003	52.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 1,2,4-Trimethylbenzene	105	12.506	12.506	0.0	91	1481966	52.6	
124 sec-Butylbenzene	134	12.680	12.680	0.0	94	427039	52.5	
125 4-Isopropyltoluene	119	12.784	12.784	0.0	95	1823608	54.5	
126 1,3-Dichlorobenzene	146	12.854	12.854	0.0	96	881508	51.0	
128 1,4-Dichlorobenzene	146	12.941	12.941	0.0	95	851114	50.5	
129 n-Butylbenzene	91	13.202	13.202	0.0	96	1683181	55.8	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	734677	51.2	
131 1,2-Dibromo-3-Chloropropane	157	14.194	14.194	0.0	77	43009	49.8	
132 1,2,4-Trichlorobenzene	180	15.256	15.256	0.0	93	404913	53.9	
133 Hexachlorobutadiene	225	15.430	15.430	0.0	93	308844	57.0	
134 Naphthalene	128	15.656	15.656	0.0	97	560129	46.6	
135 1,2,3-Trichlorobenzene	180	16.022	16.022	0.0	94	328120	52.9	
S 136 Trihalomethanes, Total	1				0		203.7	
S 137 Xylenes, Total (URS)	1				0		105.9	
S 138 Total BTEX	1				0		262.9	
S 139 1,3-Dichloropropene, Total	1				0		100.8	
S 140 1,2-Dichloroethene, Total	1				0		100.4	
S 141 Xylenes, Total	106				0		105.9	
S 142 1,2-Dichloroethene, Total (URS)	96				0		100.4	

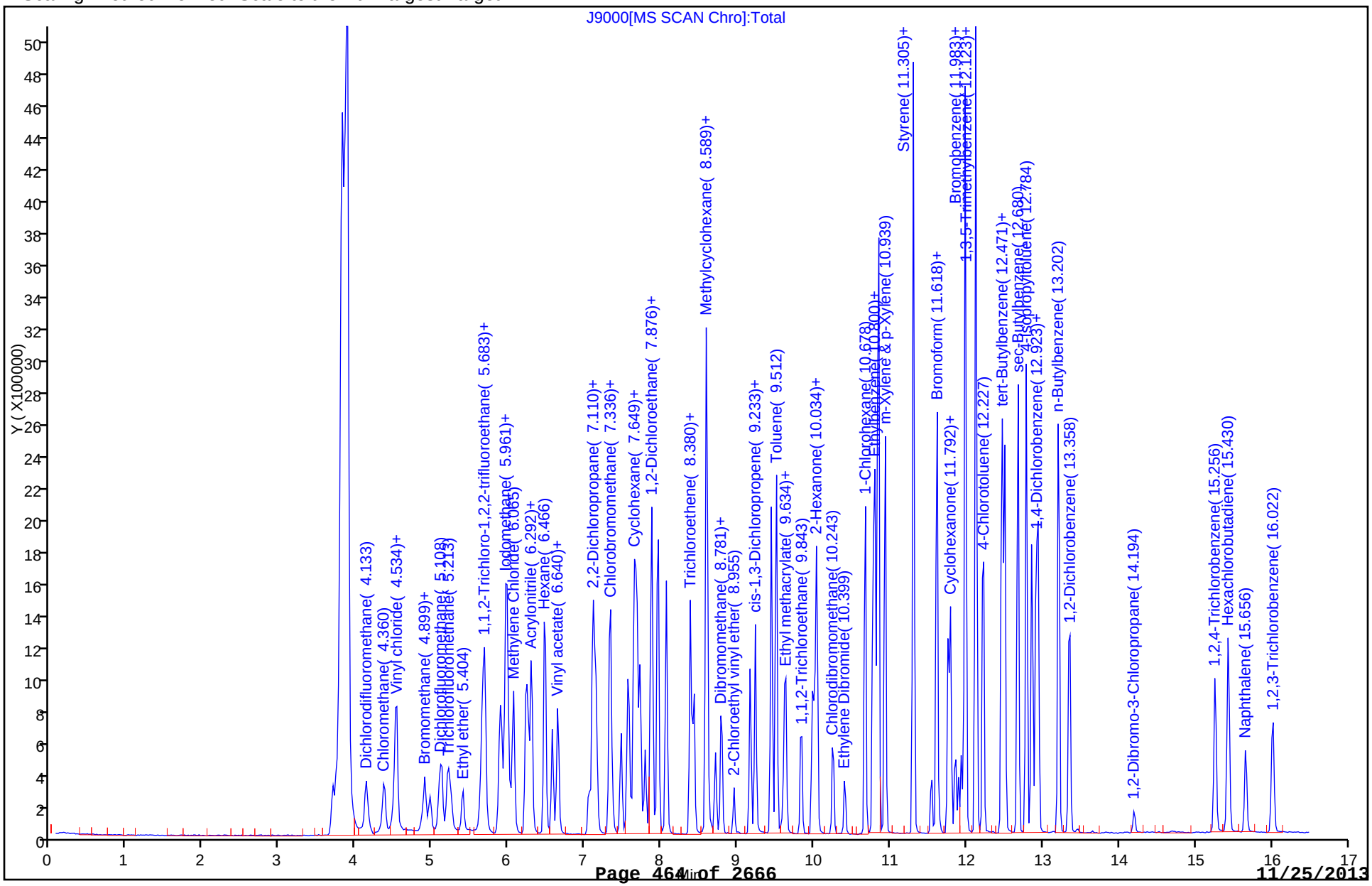
Report Date: 30-Oct-2013 16:35:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9000.D

Injection Date:	29-Oct-2013 17:07:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	2
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198398/3 Calibration Date: 10/29/2013 17:29

Instrument ID: VMS_J Calib Start Date: 10/21/2013 14:09

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 16:49

Lab File ID: J9001.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.1737	0.1291		1860	2500	-25.7	50.0
Isopropyl alcohol	Lin2		0.7425		411	500	-17.7	50.0
Acetonitrile	Lin2		0.0218		489	500	-2.3	50.0
Isopropyl ether	Ave	0.1991	0.1963		49.3	50.0	-1.4	35.0
2-Chloro-1,3-butadiene	Ave	0.5902	0.6149		52.1	50.0	4.2	35.0
Tert-butyl ethyl ether	Ave	0.7750	0.7752		50.0	50.0	0.0	35.0
Propionitrile	Ave	0.0211	0.0201		476	500	-4.7	50.0
Methacrylonitrile	Ave	0.1126	0.1109		456	500	-1.5	50.0
Tert-amyl methyl ether	Ave	0.5413	0.5423		50.1	50.0	0.2	35.0
Methyl methacrylate	Lin2		0.0373		95.1	100	-4.9	35.0
cis-1,4-Dichloro-2-butene	Lin1		0.1677		45.8	50.0	-8.4	50.0
Dibromofluoromethane (Surr)	Ave	0.3171	0.2990		47.1	50.0	-5.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2726	0.2540		46.6	50.0	-6.8	20.0
Toluene-d8 (Surr)	Ave	4.543	4.246		46.7	50.0	-6.6	20.0
4-Bromofluorobenzene (Surr)	Ave	1.014	0.9639		47.5	50.0	-5.0	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9001.D
Lims ID: CCV Client ID:
Inject. Date: 29-Oct-2013 17:29:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 198398 Lims Sample ID: 3
Sublist: chrom-SO_VMSJ_8260*sub58
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:35:05 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 29-Oct-2013 18:17:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	62	396181	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1372753	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	86	300127	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	94	392400	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	70	410410	47.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	98	348717	46.6	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	1274190	46.7	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	84	378227	47.5	
30 Ethylene oxide	43	4.828	4.828	0.0	99	2658907	9792.1	
35 Ethanol	45	5.246	5.246	0.0	99	127905	1858.5	
39 Propene oxide	58	5.507	5.507	0.0	95	1964928	2207.9	
44 Isopropyl alcohol	45	5.681	5.681	0.0	95	147073	411.4	
47 Acetonitrile	41	5.907	5.907	0.0	99	298762	488.5	
58 Isopropyl ether	87	6.586	6.586	0.0	97	269451	49.3	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	93	844048	52.1	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	98	1064114	50.0	
62 Ethyl acetate	43	7.039	7.039	0.0	99	279051	99.0	
66 Propionitrile	54	7.126	7.126	0.0	98	275432	476.4	
68 Methacrylonitrile	41	7.248	7.248	0.0	97	1522506	455.8	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	95	744463	50.1	
80 n-Butanol	56	8.100	8.100	0.0	92	138272	1014.3	
148 Ethyl acrylate	55	8.327	8.327	0.0	0	248897	42.0	
83 Methyl methacrylate	100	8.536	8.536	0.0	92	102467	95.1	
90 2-Nitropropane	41	8.953	8.953	0.0	95	104696	97.4	
144 n-Butyl acetate	43	10.033	10.033	0.0	90	194080	42.7	
101 Tetrahydrothiophene	60	10.311	10.311	0.0	58	114830	35.9	
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	97	65808	45.8	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	89	1198847	52.7	
146 Benzyl chloride	126	13.044	13.044	0.0	100	77031	53.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
16 1,3,5-Trichlorobenzene	180	14.454	14.454	0.0	98	479925	51.1	

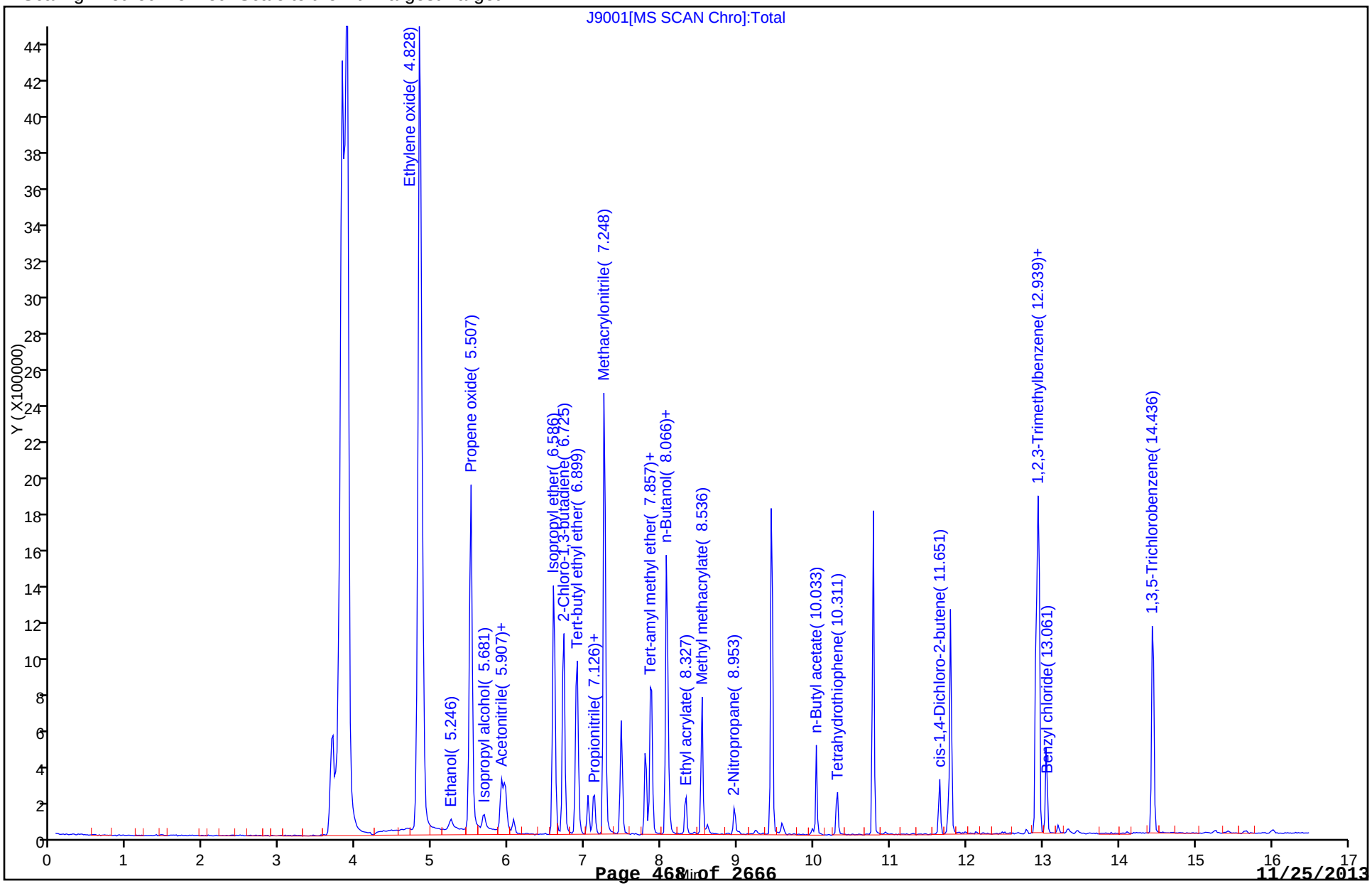
Report Date: 30-Oct-2013 16:35:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9001.D

Injection Date:	29-Oct-2013 17:29:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	3
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8866.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	21-Oct-2013 13:25:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	100
Lims Batch ID:	196983	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:01	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: seifertj		Date:	21-Oct-2013 13:41:51

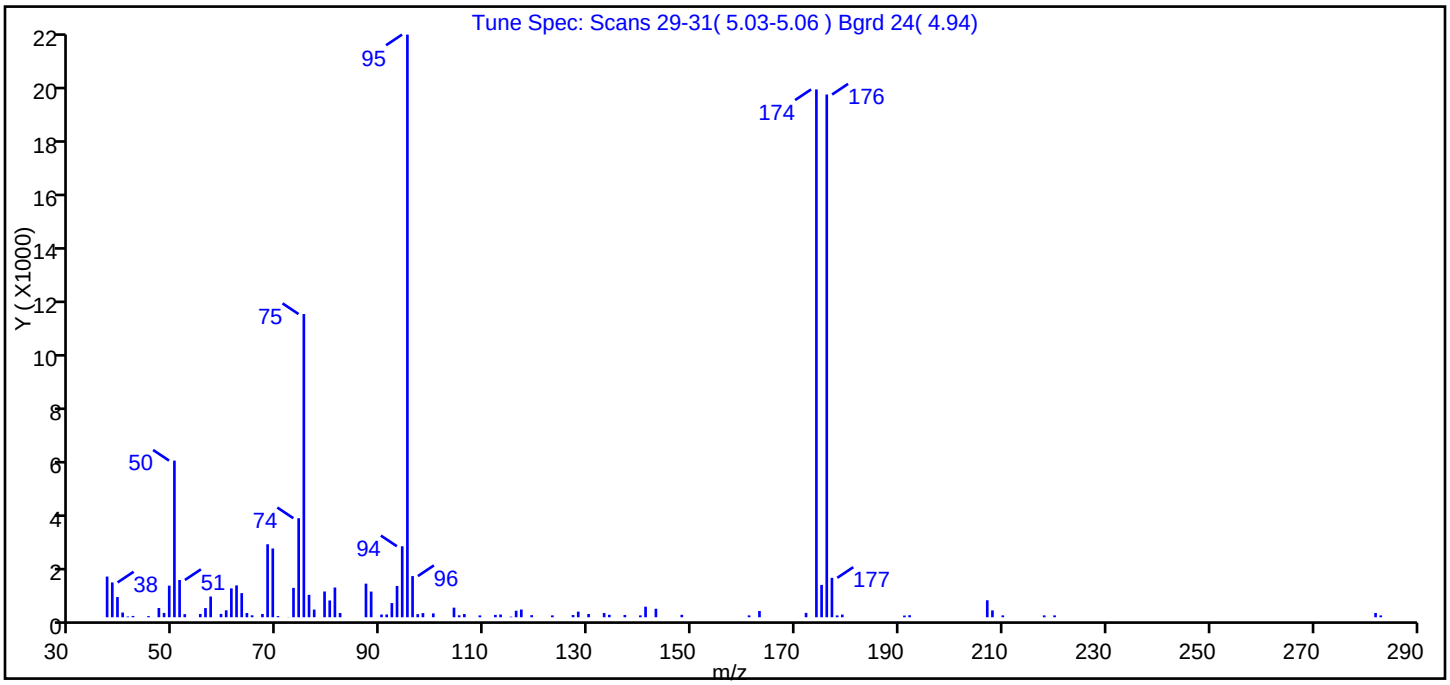
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.047	5.047	0.0	0	79487	0	

MS Tune Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8866.D		
Injection Date:	21-Oct-2013 13:25:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	1
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.88
75	30.00 - 60.00% of mass 95	52.04
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	90.59
175	5.00 - 9.00% of mass 174	5.56 (6.13)
176	95.00 - 101.00% of mass 174	89.72 (99.04)
177	5.00 - 9.00% of mass 176	6.76 (7.54)

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8866.D\SO_VMSJ_8260.rslt\spectra.d
Injection Date: 21-Oct-2013 13:25:30
Spectrum: Tune Spec: Scans 29-31(5.03-5.06) Bgrd 24(4.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1472	65.00	71	95.00	21080	140.00	68
38.00	1260	67.00	118	96.00	1490	141.00	382
39.00	731	68.00	2641	97.00	113	143.00	308
40.00	171	69.00	2488	98.00	151	148.00	89
41.00	27	70.00	40	100.00	139	161.00	68
42.00	48	72.00	5	104.00	347	163.00	225
45.00	41	73.00	1063	105.00	71	172.00	158
47.00	335	74.00	3583	106.00	117	174.00	19096
48.00	156	75.00	10970	109.00	67	175.00	1171
49.00	1144	76.00	811	112.00	86	176.00	18912
50.00	5667	77.00	278	113.00	100	177.00	1426
51.00	1348	79.00	932	115.00	22	178.00	67
52.00	113	80.00	608	116.00	236	179.00	96
55.00	119	81.00	1076	117.00	279	191.00	62
56.00	333	82.00	154	119.00	76	192.00	74
57.00	750	87.00	1216	123.00	68	207.00	615
59.00	122	88.00	929	127.00	81	208.00	248
60.00	253	90.00	98	128.00	203	210.00	69
61.00	1045	91.00	101	130.00	118	218.00	68
62.00	1154	92.00	513	133.00	153	220.00	68
63.00	873	93.00	1132	134.00	89	282.00	155
64.00	153	94.00	2569	137.00	82	283.00	67

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\J8999.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	29-Oct-2013 16:44:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:			
Operator:	DUKESA	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	100
Lims Batch ID:	198398	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m		
Last Update:	30-Oct-2013 16:35:07	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK032		
First Level Reviewer: dukesa		Date:	29-Oct-2013 16:53:23

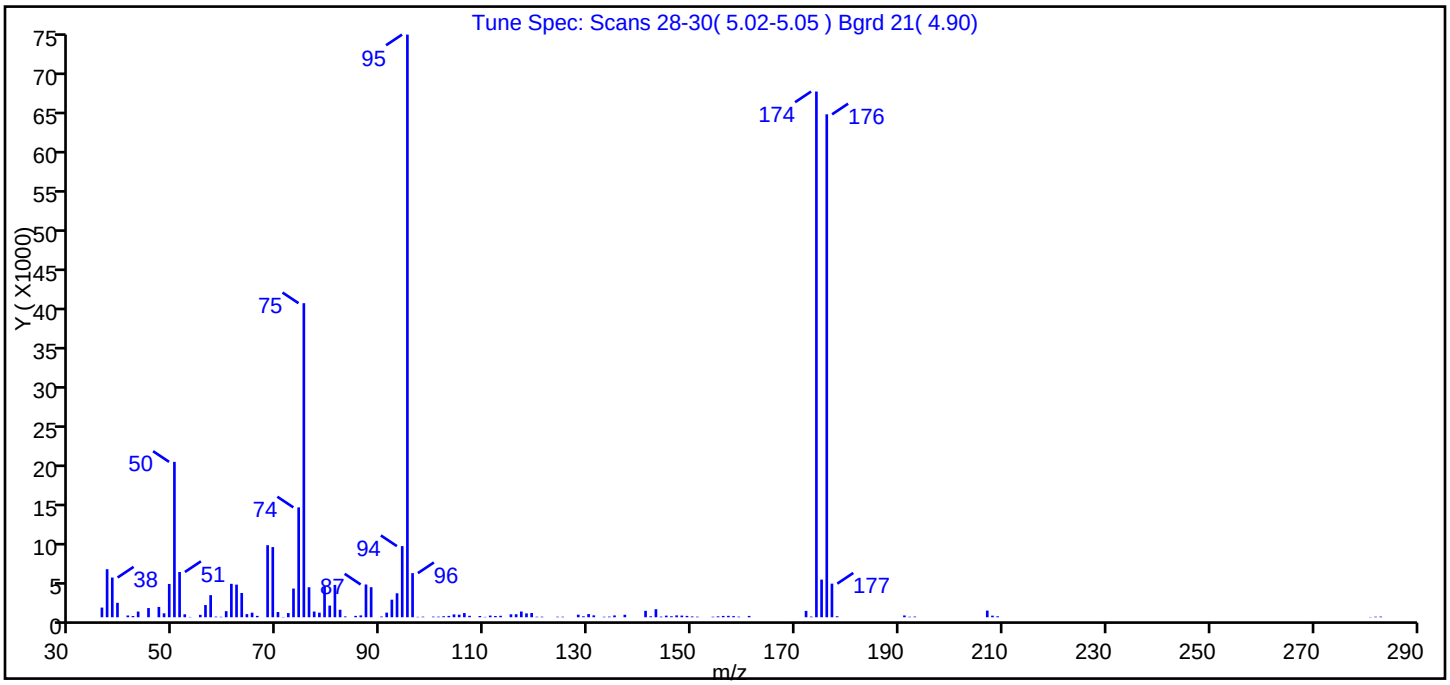
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.036	5.036	0.0	90	234862	0	

MS Tune Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\J8999.D		
Injection Date:	29-Oct-2013 16:44:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	1
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.67
75	30.00 - 60.00% of mass 95	53.90
96	5.00 - 9.00% of mass 95	7.57
173	Less than 2.00% of mass 174	0.12 (0.13)
174	Greater than 50.00% of mass 95	90.22
175	5.00 - 9.00% of mass 174	6.46 (7.16)
176	95.00 - 101.00% of mass 174	86.31 (95.67)
177	5.00 - 9.00% of mass 176	5.77 (6.68)

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J8999.D\SO_VMSJ_8260.rslt\spectra.d
Injection Date: 29-Oct-2013 16:44:30
Spectrum: Tune Spec: Scans 28-30(5.02-5.05) Bgrd 21(4.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1230	71.00	36	104.00	363	145.00	207
37.00	6108	72.00	533	105.00	330	146.00	128
38.00	5050	73.00	3650	106.00	528	147.00	236
39.00	1835	74.00	13965	107.00	183	148.00	211
41.00	223	75.00	39920	109.00	161	149.00	171
42.00	154	76.00	3815	110.00	44	150.00	104
43.00	725	77.00	729	111.00	211	151.00	74
45.00	1169	78.00	580	112.00	160	154.00	70
47.00	1315	79.00	3877	113.00	187	155.00	118
48.00	500	80.00	1485	115.00	374	156.00	168
49.00	4233	81.00	4112	116.00	383	157.00	181
50.00	19752	82.00	955	117.00	732	158.00	144
51.00	5753	83.00	108	118.00	489	159.00	79
52.00	378	85.00	174	119.00	540	161.00	170
53.00	43	86.00	235	120.00	69	172.00	810
55.00	305	87.00	4165	121.00	74	173.00	86
56.00	1552	88.00	3821	124.00	70	174.00	66824
57.00	2809	90.00	95	125.00	67	175.00	4787
58.00	84	91.00	587	128.00	325	176.00	63928
59.00	62	92.00	2234	129.00	120	177.00	4273
60.00	776	93.00	3049	130.00	407	178.00	125
61.00	4252	94.00	9043	131.00	242	191.00	227
62.00	4147	95.00	74064	133.00	64	192.00	67
63.00	3086	96.00	5610	134.00	84	193.00	86
64.00	399	97.00	52	135.00	230	207.00	846
65.00	583	98.00	75	137.00	318	208.00	202
66.00	178	100.00	80	141.00	818	209.00	124
68.00	9160	101.00	76	142.00	123	281.00	36
69.00	8918	102.00	131	143.00	1021	282.00	72
70.00	662	103.00	173	144.00	84	283.00	85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198393/1-A

Matrix: Solid | Lab File ID: J9003.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 18:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.52
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	5.0	1.0	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	20	0.45
79-00-5	1,1,2-Trichloroethane	1.0	U	5.0	1.0	0.88
75-34-3	1,1-Dichloroethane	0.80	U	5.0	0.80	0.21
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.59
563-58-6	1,1-Dichloropropene	1.0	U	5.0	1.0	0.54
87-61-6	1,2,3-Trichlorobenzene	1.28	J	5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	1.0	U	5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.73
95-63-6	1,2,4-Trimethylbenzene	1.0	U	5.0	1.0	0.58
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	10	1.0	0.60
95-50-1	1,2-Dichlorobenzene	1.0	U	5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	1.0	U	5.0	1.0	0.70
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.55
108-67-8	1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.57
541-73-1	1,3-Dichlorobenzene	1.0	U	5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	1.0	U	5.0	1.0	0.51
106-46-7	1,4-Dichlorobenzene	1.0	U	5.0	1.0	0.78
123-91-1	1,4-Dioxane	80	U	500	80	56
544-10-5	1-Chlorohexane	0.80	U	5.0	0.80	0.63
594-20-7	2,2-Dichloropropane	1.0	U	5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	6.4	U	20	6.4	1.8
95-49-8	2-Chlorotoluene	1.0	U	5.0	1.0	0.51
591-78-6	2-Hexanone	10	U	20	10	4.9
106-43-4	4-Chlorotoluene	1.0	U	5.0	1.0	0.78
99-87-6	4-Isopropyltoluene	1.0	U	5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	20	10	4.4
67-64-1	Acetone	10	U	20	10	5.4
71-43-2	Benzene	1.0	U	5.0	1.0	0.47
108-86-1	Bromobenzene	1.0	U	5.0	1.0	0.49
75-25-2	Bromoform	0.80	U	5.0	0.80	0.23
74-83-9	Bromomethane	1.0	U	10	1.0	0.50
75-15-0	Carbon disulfide	1.0	U	5.0	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198393/1-A

Matrix: Solid | Lab File ID: J9003.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 18:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	1.0	U	5.0	1.0	0.63
108-90-7	Chlorobenzene	1.0	U	5.0	1.0	0.54
74-97-5	Chlorobromomethane	1.0	U	5.0	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	5.0	1.0	0.57
75-00-3	Chloroethane	1.0	U	10	1.0	0.89
67-66-3	Chloroform	1.0	U	10	1.0	0.29
74-87-3	Chloromethane	1.0	U	10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	1.0	U	5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	2.0	U	5.0	2.0	1.3
110-82-7	Cyclohexane	1.6	U	5.0	1.6	0.40
74-95-3	Dibromomethane	1.0	U	5.0	1.0	0.84
75-27-4	Dichlorobromomethane	0.80	U	5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	10	1.0	0.52
100-41-4	Ethylbenzene	1.0	U	5.0	1.0	0.67
106-93-4	Ethylene Dibromide	1.0	U	5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	1.0	U	5.0	1.0	0.55
98-82-8	Isopropylbenzene	1.0	U	5.0	1.0	0.59
79-20-9	Methyl acetate	4.0	U	8.5	4.0	2.8
1634-04-4	Methyl tert-butyl ether	1.0	U	20	1.0	0.34
108-87-2	Methylcyclohexane	0.80	U	5.0	0.80	0.42
75-09-2	Methylene Chloride	3.92	J	5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	2.0	U	3.2	2.0	1.0
91-20-3	Naphthalene	1.0	U	5.0	1.0	0.63
104-51-8	n-Butylbenzene	1.0	U	5.0	1.0	0.56
103-65-1	N-Propylbenzene	1.0	U	5.0	1.0	0.58
95-47-6	o-Xylene	1.0	U	5.0	1.0	0.61
135-98-8	sec-Butylbenzene	1.0	U	5.0	1.0	0.77
100-42-5	Styrene	1.0	U	5.0	1.0	0.63
98-06-6	tert-Butylbenzene	1.0	U	5.0	1.0	0.50
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.59
108-88-3	Toluene	1.0	U	5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	1.0	U	5.0	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.67
79-01-6	Trichloroethene	0.80	U	5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	2.0	U	10	2.0	1.0
75-01-4	Vinyl chloride	2.0	U	5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-198393/1-A

Matrix: Solid Lab File ID: J9003.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 10/29/2013 18:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 198398 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		61-129
460-00-4	4-Bromofluorobenzene (Surr)	93		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	93		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9003.D
Lims ID: MB Client ID:
Inject. Date: 29-Oct-2013 18:12:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 198398 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 01-Nov-2013 16:30:43 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK007

First Level Reviewer: dukesa Date: 29-Oct-2013 18:58:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	1.051	1.051	0.0	0	601	0	
* 150 TBA-d9 (IS)	65	5.959	5.944	0.015	70	383050	1000.0	
* 1 Fluorobenzene	96	8.065	8.067	-0.002	97	1571773	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.782	-0.001	87	342689	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.923	-0.001	97	415112	50.0	
$ 151 a,a,a-Trifluorotoluene	1		0.000					
$ 4 BFB	95		5.036					3
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	77	454725	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	98	373661	43.6	
$ 7 Toluene-d8 (Surr)	98	9.440	9.441	-0.001	86	1443852	46.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	83	393149	46.7	
15 Dimethyl disulfide	1		0.000					
11 2,3-Dimethylpentane	1		0.000					
21 2-Butoxyethanol TIC	1		0.000					
9 2,4-Dimethylpentane	1		0.000					
18 3,3-Dimethylpentane	1		0.000					
143 Pentachloroethane	167		0.000					
19 3-Methylhexane	1		0.000					
17 3-Ethylpentane	1		0.000					
20 2-Methylhexane	1		0.000					
10 n-Nonyl Aldehyde	1		0.000					
12 2,2,3-Trimethylbutane	1		0.000					
13 2,2-Dimethylpentane	1		0.000					
22 2,3-dichloro-1-propene TIC	75		1.000					
23 Dichloroacetonitrile TIC	74		1.000					
24 Chlorotrifluoroethene	116		4.080					
25 Dichlorodifluoromethane	85		4.133					
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.289					
27 Chloromethane	50		4.360					
28 Vinyl chloride	62		4.516					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
147 Butadiene	54		4.534					
29 2-Chloro-1,1,1-Trifluoroethane	118		4.567					
30 Ethylene oxide	43		4.828					
31 Bromomethane	94		4.899					29
32 Chloroethane	64		4.969					
33 Dichlorofluoromethane	67		5.108					
34 Trichlorofluoromethane	101		5.213					
35 Ethanol	45		5.246					
36 1,2-Dichloro-1,1,2-trifluoroetha	117		5.368					
145 2-Methylnaphthalene	142		5.393					
38 1,1,1-Trifluoro-2,2-dichloroetha	83		5.403					
37 Ethyl ether	59		5.404					
39 Propene oxide	58		5.507					
43 Propene oxide TIC	58		5.526					
40 Acrolein	56		5.542					
42 1,1,2-Trichloro-1,2,2-trifluoroe	151		5.665					
41 Acetone	43		5.665					
44 Isopropyl alcohol	45		5.681					
45 1,1-Dichloroethene	96		5.683					
46 Iodomethane	142		5.874					
47 Acetonitrile	41		5.907					19
48 Methyl acetate	43		5.909					
49 3-Chloro-1-propene	41		5.961					
51 Carbon disulfide	76		5.978					
50 2-Methyl-2-propanol	59		6.013					
52 Methylene Chloride	84	6.064	6.065	-0.001	97	38797	3.92	
53 Acrylonitrile	53		6.222					
54 Methyl tert-butyl ether	73		6.257					
55 trans-1,2-Dichloroethene	96		6.292					2
56 Hexane	57		6.466					
57 Vinyl acetate	43		6.570					
58 Isopropyl ether	87		6.586					
59 1,1-Dichloroethane	63		6.640					39
60 2-Chloro-1,3-butadiene	53		6.725					
61 Tert-butyl ethyl ether	59		6.899					
62 Ethyl acetate	43		7.039					
63 2-Butanone (MEK)	43		7.058					
64 sec-Butyl Alcohol	45		7.092					
65 cis-1,2-Dichloroethene	96		7.110					19
66 Propionitrile	54		7.126					
67 2,2-Dichloropropane	77		7.145					19
68 Methacrylonitrile	41		7.248					19
69 Chlorobromomethane	128		7.319					
70 Chloroform	83		7.336					19
71 Tetrahydrofuran	42		7.353					
73 1,1,1-Trichloroethane	97		7.562					
74 Cyclohexane	56		7.649					12
72 Isobutyl alcohol	41		7.649					
75 1,1-Dichloropropene	75		7.684					
76 Carbon tetrachloride	117		7.719					
77 1,2-Dichloroethane	62		7.858					
78 Tert-amyl methyl ether	73		7.874					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Benzene	78		7.876					
14 n-Heptane	43		7.963					
80 n-Butanol	56		8.100					19
148 Ethyl acrylate	55		8.327					
81 Trichloroethene	130		8.380					
82 2-Pentanone	43		8.433					
83 Methyl methacrylate	100		8.536					
84 1,2-Dichloropropane	63		8.589					
85 Methylcyclohexane	55		8.589					
86 1,4-Dioxane	88		8.642					
87 Dibromomethane	93		8.711					
88 Dichlorobromomethane	83		8.781					19
90 2-Nitropropane	41		8.953					
89 2-Chloroethyl vinyl ether	63		8.955					
91 cis-1,3-Dichloropropene	75		9.164					
92 4-Methyl-2-pentanone (MIBK)	43		9.233					
93 Toluene	91		9.512					
94 Ethyl methacrylate	69		9.616					
95 trans-1,3-Dichloropropene	75		9.634					
96 1,1,2-Trichloroethane	97		9.843					
97 2-Hexanone	43		9.982					
98 1,3-Dichloropropane	76		10.017					
144 n-Butyl acetate	43		10.033					
99 Tetrachloroethene	164		10.034					
100 Chlorodibromomethane	129		10.243					
101 Tetrahydrothiophene	60		10.311					
102 Ethylene Dibromide	107		10.399					
103 1-Chlorohexane	91		10.678					
104 Chlorobenzene	112		10.800					
106 1,1,1,2-Tetrachloroethane	131		10.852					
105 Ethylbenzene	106		10.852					
107 m-Xylene & p-Xylene	91		10.939					
109 o-Xylene	106		11.305					
108 Styrene	104		11.305					
110 Bromoform	173		11.548					
111 Isopropylbenzene	105		11.618					
112 cis-1,4-Dichloro-2-butene	53		11.651					
113 Cyclohexanone	55		11.757					
114 1,1,2,2-Tetrachloroethane	83		11.862					29
115 trans-1,4-Dichloro-2-butene	53		11.896					
116 1,2,3-Trichloropropane	110		11.931					
118 Bromobenzene	156		11.983					
117 N-Propylbenzene	120		11.983					
120 2-Chlorotoluene	126		12.123					
119 1,3,5-Trimethylbenzene	105		12.123					
121 4-Chlorotoluene	126		12.227					
122 tert-Butylbenzene	119		12.471					
123 1,2,4-Trimethylbenzene	105		12.506					
124 sec-Butylbenzene	134		12.680					
125 4-Isopropyltoluene	119		12.784					
126 1,3-Dichlorobenzene	146		12.854					
127 1,2,3-Trimethylbenzene	105		12.939					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
128 1,4-Dichlorobenzene	146		12.941					
146 Benzyl chloride	126		13.044					
129 n-Butylbenzene	91		13.202					
130 1,2-Dichlorobenzene	146		13.358					
131 1,2-Dibromo-3-Chloropropane	157		14.194					
16 1,3,5-Trichlorobenzene	180		14.454					
132 1,2,4-Trichlorobenzene	180		15.256					
133 Hexachlorobutadiene	225		15.430					
134 Naphthalene	128		15.656					
135 1,2,3-Trichlorobenzene	180	16.020	16.022	-0.002	73	6934	1.28	
S 136 Trihalomethanes, Total	1				0		0	7
S 137 Xylenes, Total (URS)	1				0		0	7
S 138 Total BTEX	1		0.000					7
S 139 1,3-Dichloropropene, Total	1				0		0	7
S 140 1,2-Dichloroethene, Total	1				0		0	7
S 141 Xylenes, Total	106				0		0	7
S 142 1,2-Dichloroethene, Total (URS)	96				0		0	7

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
3 - Failed RT Window Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 01-Nov-2013 16:50:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9003.D

Injection Date:	29-Oct-2013 18:12:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	7
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 01-Nov-2013 16:50:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

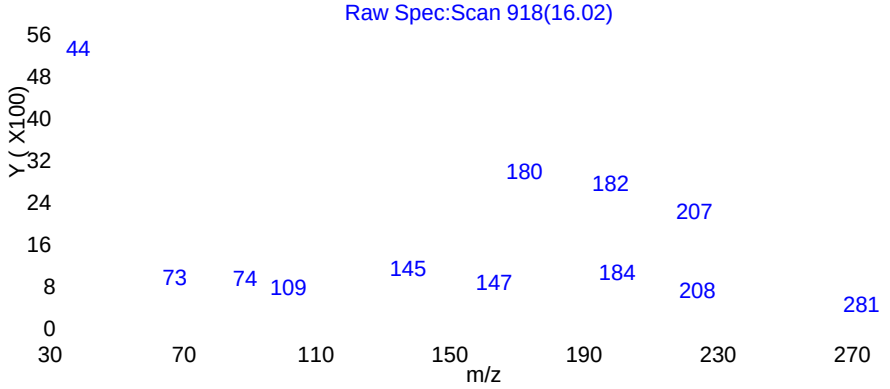
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9003.D

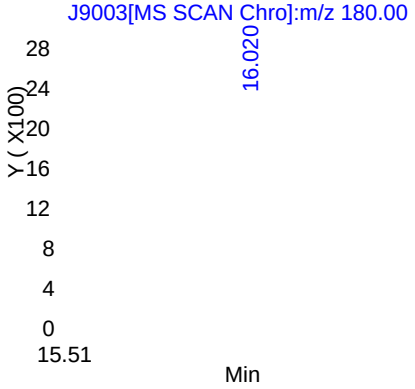
Injection Date:	29-Oct-2013 18:12:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	7
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

135 1,2,3-Trichlorobenzene

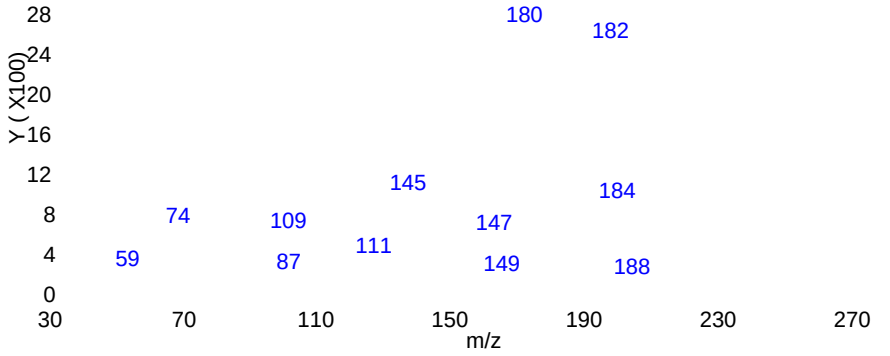
Raw Spec:Scan 918(16.02)



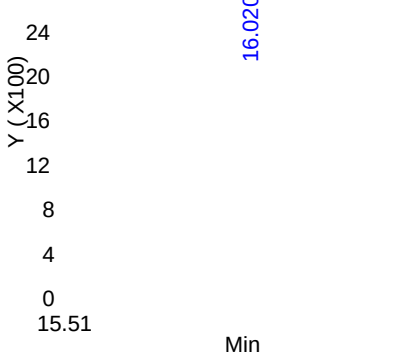
J9003[MS SCAN Chro]:m/z 180.00



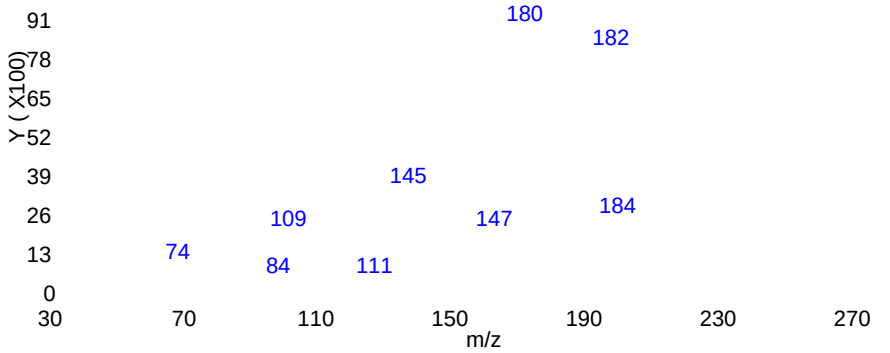
Enhanced Spec:Scan 918(16.02) Bgrd 915(15.95), Qvalue=73



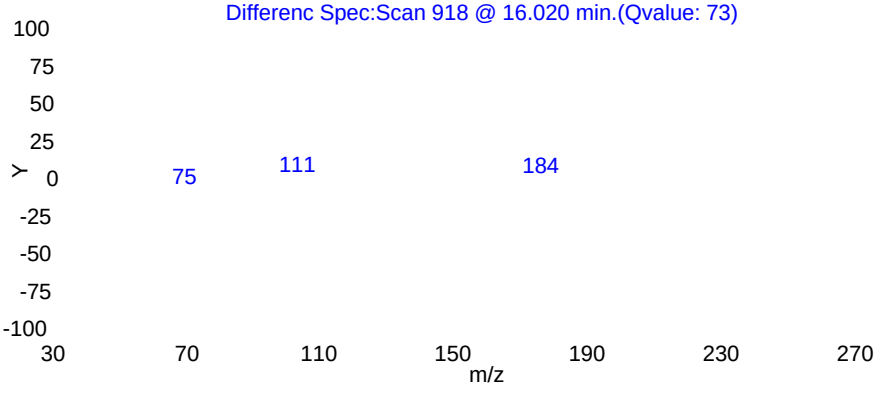
J9003[MS SCAN Chro]:m/z 182.00



Ref Spec: 135 1,2,3-Trichlorobenzene @ 1292.683 min.

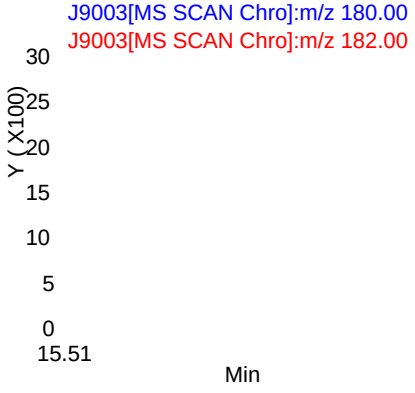


Differenc Spec:Scan 918 @ 16.020 min.(Qvalue: 73)



J9003[MS SCAN Chro]:m/z 180.00

J9003[MS SCAN Chro]:m/z 182.00

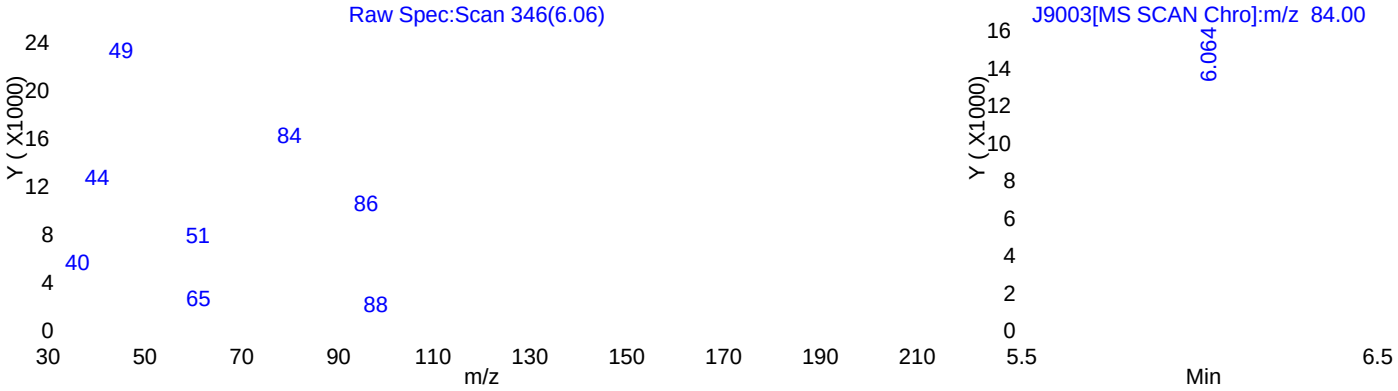


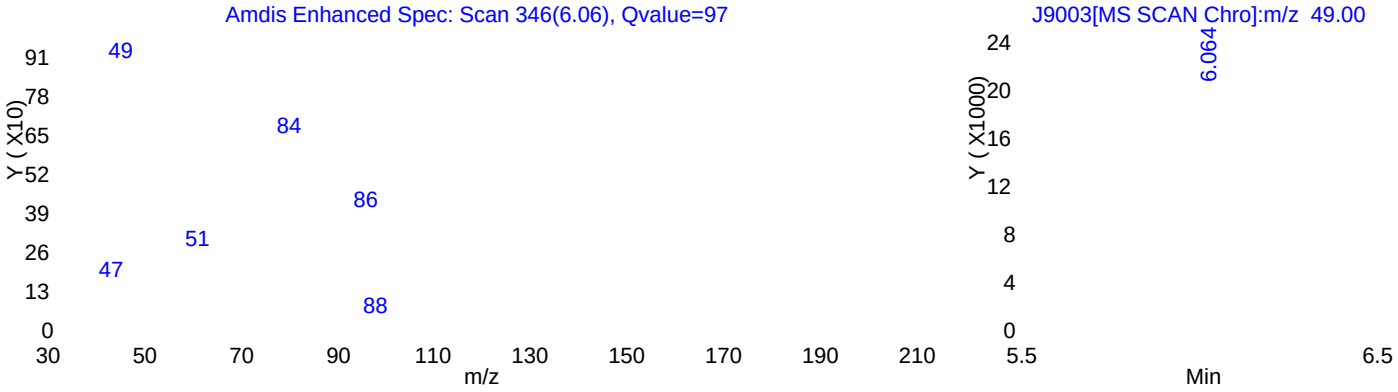
TestAmerica Denver

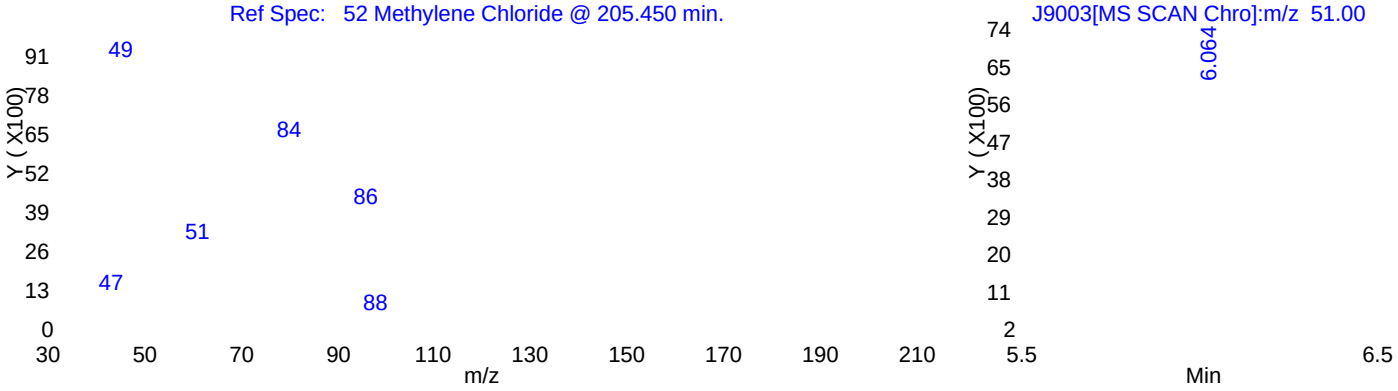
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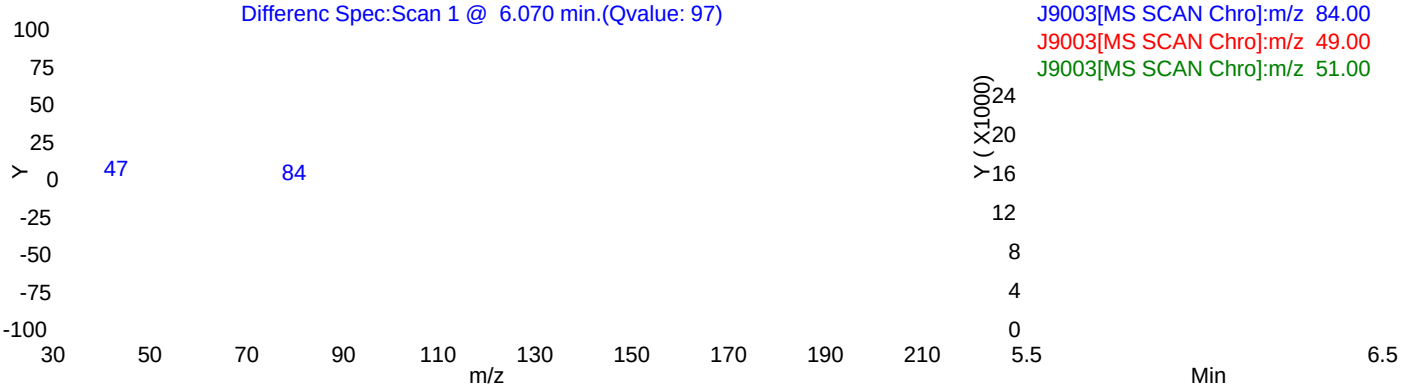
Injection Date:	29-Oct-2013 18:12:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	7
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

52 Methylene Chloride









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198393/2-A

Matrix: Solid | Lab File ID: J9002.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 17:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	47.1		5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	47.5		5.0	1.0	0.52
79-34-5	1,1,2,2-Tetrachloroethane	45.9		5.0	1.0	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	43.8		20	20	0.45
79-00-5	1,1,2-Trichloroethane	46.7		5.0	1.0	0.88
75-34-3	1,1-Dichloroethane	46.5		5.0	0.80	0.21
75-35-4	1,1-Dichloroethene	43.2		5.0	1.0	0.59
563-58-6	1,1-Dichloropropene	51.0		5.0	1.0	0.54
87-61-6	1,2,3-Trichlorobenzene	49.8		5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	45.6		5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	51.6		5.0	1.0	0.73
95-63-6	1,2,4-Trimethylbenzene	50.5		5.0	1.0	0.58
96-12-8	1,2-Dibromo-3-Chloropropane	43.8		10	1.0	0.60
95-50-1	1,2-Dichlorobenzene	47.7		5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	43.6		5.0	1.0	0.70
78-87-5	1,2-Dichloropropane	47.2		5.0	1.0	0.55
108-67-8	1,3,5-Trimethylbenzene	51.7		5.0	1.0	0.57
541-73-1	1,3-Dichlorobenzene	48.1		5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	42.2		5.0	1.0	0.51
106-46-7	1,4-Dichlorobenzene	48.7		5.0	1.0	0.78
123-91-1	1,4-Dioxane	760		500	80	56
544-10-5	1-Chlorohexane	50.1		5.0	0.80	0.63
594-20-7	2,2-Dichloropropane	47.5		5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	156		20	6.4	1.8
95-49-8	2-Chlorotoluene	47.8		5.0	1.0	0.51
591-78-6	2-Hexanone	147		20	10	4.9
106-43-4	4-Chlorotoluene	48.7		5.0	1.0	0.78
99-87-6	4-Isopropyltoluene	51.5		5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	145		20	10	4.4
67-64-1	Acetone	149		20	10	5.4
71-43-2	Benzene	47.9		5.0	1.0	0.47
108-86-1	Bromobenzene	48.2		5.0	1.0	0.49
75-25-2	Bromoform	45.5		5.0	0.80	0.23
74-83-9	Bromomethane	33.5		10	1.0	0.50
75-15-0	Carbon disulfide	48.9		5.0	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198393/2-A

Matrix: Solid | Lab File ID: J9002.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 17:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	47.0		5.0	1.0	0.63
108-90-7	Chlorobenzene	46.3		5.0	1.0	0.54
74-97-5	Chlorobromomethane	47.1		5.0	1.0	0.30
124-48-1	Chlorodibromomethane	46.7		5.0	1.0	0.57
75-00-3	Chloroethane	33.7		10	1.0	0.89
67-66-3	Chloroform	45.6		10	1.0	0.29
74-87-3	Chloromethane	34.7		10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	48.2		5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	45.8		5.0	2.0	1.3
110-82-7	Cyclohexane	50.7		5.0	1.6	0.40
74-95-3	Dibromomethane	46.3		5.0	1.0	0.84
75-27-4	Dichlorobromomethane	45.6		5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	36.6		10	1.0	0.52
100-41-4	Ethylbenzene	48.0		5.0	1.0	0.67
106-93-4	Ethylene Dibromide	41.8		5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	53.7		5.0	1.0	0.55
98-82-8	Isopropylbenzene	49.1		5.0	1.0	0.59
79-20-9	Methyl acetate	208		8.5	4.0	2.8
1634-04-4	Methyl tert-butyl ether	46.1		20	1.0	0.34
108-87-2	Methylcyclohexane	45.7		5.0	0.80	0.42
75-09-2	Methylene Chloride	47.2		5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	49.4		3.2	2.0	1.0
91-20-3	Naphthalene	43.0		5.0	1.0	0.63
104-51-8	n-Butylbenzene	52.4		5.0	1.0	0.56
103-65-1	N-Propylbenzene	49.6		5.0	1.0	0.58
95-47-6	o-Xylene	49.4		5.0	1.0	0.61
135-98-8	sec-Butylbenzene	50.8		5.0	1.0	0.77
100-42-5	Styrene	53.6		5.0	1.0	0.63
98-06-6	tert-Butylbenzene	49.9		5.0	1.0	0.50
127-18-4	Tetrachloroethene	46.7		5.0	1.0	0.59
108-88-3	Toluene	51.0		5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	48.5		5.0	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	47.4		5.0	1.0	0.67
79-01-6	Trichloroethene	46.9		5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	38.2		10	2.0	1.0
75-01-4	Vinyl chloride	34.2		5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198393/2-A

Matrix: Solid | Lab File ID: J9002.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 17:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		61-129
460-00-4	4-Bromofluorobenzene (Surr)	89		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	90		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9002.D
Lims ID: LCS Client ID:
Inject. Date: 29-Oct-2013 17:51:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 198398 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 29-Oct-2013 18:34:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.960	-0.001	46	402358	1000.0	
* 1 Fluorobenzene	96	8.065	8.066	-0.001	97	1691441	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	82	386909	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	96	554788	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	77	487501	45.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	91	396483	43.0	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	-0.001	86	1576882	44.9	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	85	500506	44.5	
25 Dichlorodifluoromethane	85	4.132	4.133	-0.001	97	554138	36.6	
27 Chloromethane	50	4.358	4.360	-0.002	100	575466	34.7	
28 Vinyl chloride	62	4.515	4.516	-0.001	98	536021	34.2	
147 Butadiene	54	4.532	4.534	-0.002	88	401843	33.3	
31 Bromomethane	94	4.898	4.899	-0.001	92	350085	33.5	
32 Chloroethane	64	4.967	4.969	-0.002	99	303374	33.7	
33 Dichlorofluoromethane	67	5.106	5.108	-0.002	98	953705	38.1	
34 Trichlorofluoromethane	101	5.211	5.213	-0.002	95	705995	38.2	
37 Ethyl ether	59	5.402	5.404	-0.002	95	235498	41.1	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.663	5.665	-0.002	95	425657	43.8	
41 Acetone	43	5.663	5.665	-0.002	71	231720	149.5	
45 1,1-Dichloroethene	96	5.698	5.683	0.015	98	431929	43.2	
46 Iodomethane	142	5.890	5.874	0.016	99	1003343	48.4	
48 Methyl acetate	43	5.907	5.909	-0.002	90	915859	208.1	
49 3-Chloro-1-propene	41	5.959	5.961	-0.002	80	1028758	44.0	
51 Carbon disulfide	76	5.977	5.978	-0.001	99	2335419	48.9	
50 2-Methyl-2-propanol	59	6.012	6.013	-0.001	54	221704	464.8	
52 Methylene Chloride	84	6.064	6.065	-0.001	94	503233	47.2	
53 Acrylonitrile	53	6.220	6.222	-0.002	98	781623	421.1	
54 Methyl tert-butyl ether	73	6.255	6.257	-0.002	93	776413	46.1	
55 trans-1,2-Dichloroethene	96	6.307	6.292	0.015	96	556883	48.5	
56 Hexane	57	6.482	6.466	0.016	95	921301	45.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
57 Vinyl acetate	43	6.569	6.570	-0.001	97	1219458	99.5	
59 1,1-Dichloroethane	63	6.638	6.640	-0.002	97	1073725	46.5	
63 2-Butanone (MEK)	43	7.056	7.058	-0.002	98	525470	155.9	
64 sec-Butyl Alcohol	45	7.091	7.092	-0.001	97	566155	1418.8	
65 cis-1,2-Dichloroethene	96	7.108	7.110	-0.002	87	517629	48.2	
67 2,2-Dichloropropane	77	7.143	7.145	-0.002	94	813518	47.5	
69 Chlorobromomethane	128	7.334	7.319	0.015	90	219866	47.1	
70 Chloroform	83	7.334	7.336	-0.002	96	879674	45.6	
71 Tetrahydrofuran	42	7.369	7.353	0.016	88	120605	80.9	
73 1,1,1-Trichloroethane	97	7.578	7.562	0.016	90	793885	47.5	
74 Cyclohexane	56	7.648	7.649	-0.001	97	1157426	50.7	
72 Isobutyl alcohol	41	7.648	7.649	-0.001	40	775208	1435.7	
75 1,1-Dichloropropene	75	7.683	7.684	-0.001	93	846554	51.0	
76 Carbon tetrachloride	117	7.717	7.719	-0.002	76	793379	47.0	
77 1,2-Dichloroethane	62	7.857	7.858	-0.001	92	502764	43.6	
79 Benzene	78	7.874	7.876	-0.002	98	1971161	47.9	
14 n-Heptane	43	7.961	7.963	-0.002	96	1108486	45.0	
81 Trichloroethene	130	8.379	8.380	-0.001	95	594170	46.9	
82 2-Pentanone	43	8.431	8.433	-0.002	97	698409	113.5	
84 1,2-Dichloropropane	63	8.588	8.589	-0.001	79	516400	47.2	
85 Methylcyclohexane	55	8.605	8.589	0.016	92	877773	45.7	
86 1,4-Dioxane	88	8.657	8.642	0.015	87	41529	760.4	
87 Dibromomethane	93	8.709	8.711	-0.002	87	215202	46.3	
88 Dichlorobromomethane	83	8.796	8.781	0.015	89	578924	45.6	
89 2-Chloroethyl vinyl ether	63	8.953	8.955	-0.002	91	106278	44.6	
91 cis-1,3-Dichloropropene	75	9.162	9.164	-0.002	86	647454	45.8	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.233	-0.001	97	922860	145.4	
93 Toluene	91	9.510	9.512	-0.002	91	1959634	51.0	
94 Ethyl methacrylate	69	9.615	9.616	-0.001	91	299574	45.8	
95 trans-1,3-Dichloropropene	75	9.632	9.634	-0.002	98	541198	47.4	
96 1,1,2-Trichloroethane	97	9.841	9.843	-0.002	95	249197	46.7	
97 2-Hexanone	43	9.980	9.982	-0.002	98	590480	147.4	
98 1,3-Dichloropropane	76	10.015	10.017	-0.002	94	484731	42.2	
99 Tetrachloroethene	164	10.050	10.034	0.016	97	477107	46.7	
100 Chlorodibromomethane	129	10.259	10.243	0.016	86	385482	46.7	
102 Ethylene Dibromide	107	10.415	10.399	0.016	99	252907	41.8	
103 1-Chlorohexane	91	10.676	10.678	-0.002	96	736974	50.1	
104 Chlorobenzene	112	10.798	10.800	-0.002	90	1216060	46.3	
106 1,1,1,2-Tetrachloroethane	131	10.850	10.852	-0.002	40	449548	47.1	
105 Ethylbenzene	106	10.850	10.852	-0.002	99	668505	48.0	
107 m-Xylene & p-Xylene	91	10.937	10.939	-0.002	99	1674944	49.4	
109 o-Xylene	106	11.303	11.305	-0.002	87	761910	49.4	
108 Styrene	104	11.303	11.305	-0.002	81	1123209	53.6	
110 Bromoform	173	11.547	11.548	-0.001	94	192453	45.5	
111 Isopropylbenzene	105	11.616	11.618	-0.002	96	2162942	49.1	
113 Cyclohexanone	55	11.755	11.757	-0.002	96	250946	768.1	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.862	-0.002	71	294831	45.9	
115 trans-1,4-Dichloro-2-butene	53	11.895	11.896	-0.001	81	84855	48.1	
116 1,2,3-Trichloropropane	110	11.947	11.931	0.016	84	75458	45.6	
118 Bromobenzene	156	11.982	11.983	-0.001	58	502787	48.2	
117 N-Propylbenzene	120	11.982	11.983	-0.001	96	596557	49.6	
120 2-Chlorotoluene	126	12.138	12.123	0.015	98	523452	47.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
119 1,3,5-Trimethylbenzene	105	12.121	12.123	-0.002	88	1702137	51.7	
121 4-Chlorotoluene	126	12.225	12.227	-0.002	97	512361	48.7	
122 tert-Butylbenzene	119	12.469	12.471	-0.002	91	1779483	49.9	
123 1,2,4-Trimethylbenzene	105	12.504	12.506	-0.002	91	1665217	50.5	
124 sec-Butylbenzene	134	12.678	12.680	-0.002	94	483962	50.8	
125 4-Isopropyltoluene	119	12.782	12.784	-0.002	95	2017175	51.5	
126 1,3-Dichlorobenzene	146	12.869	12.854	0.015	98	975302	48.1	
128 1,4-Dichlorobenzene	146	12.939	12.941	-0.002	94	959781	48.7	
129 n-Butylbenzene	91	13.218	13.202	0.016	95	1849028	52.4	
130 1,2-Dichlorobenzene	146	13.357	13.358	-0.001	98	801776	47.7	
131 1,2-Dibromo-3-Chloropropane	157	14.210	14.194	0.016	86	44290	43.8	
132 1,2,4-Trichlorobenzene	180	15.271	15.256	0.015	94	454659	51.6	
133 Hexachlorobutadiene	225	15.428	15.430	-0.002	92	340849	53.7	
134 Naphthalene	128	15.654	15.656	-0.002	98	604209	43.0	
135 1,2,3-Trichlorobenzene	180	16.020	16.022	-0.002	94	361447	49.8	
S 136 Trihalomethanes, Total	1				0		183.3	
S 137 Xylenes, Total (URS)	1				0		98.8	
S 139 1,3-Dichloropropene, Total	1				0		93.1	
S 140 1,2-Dichloroethene, Total	1				0		96.7	
S 141 Xylenes, Total	106				0		98.8	
S 142 1,2-Dichloroethene, Total (URS)	96				0		96.7	

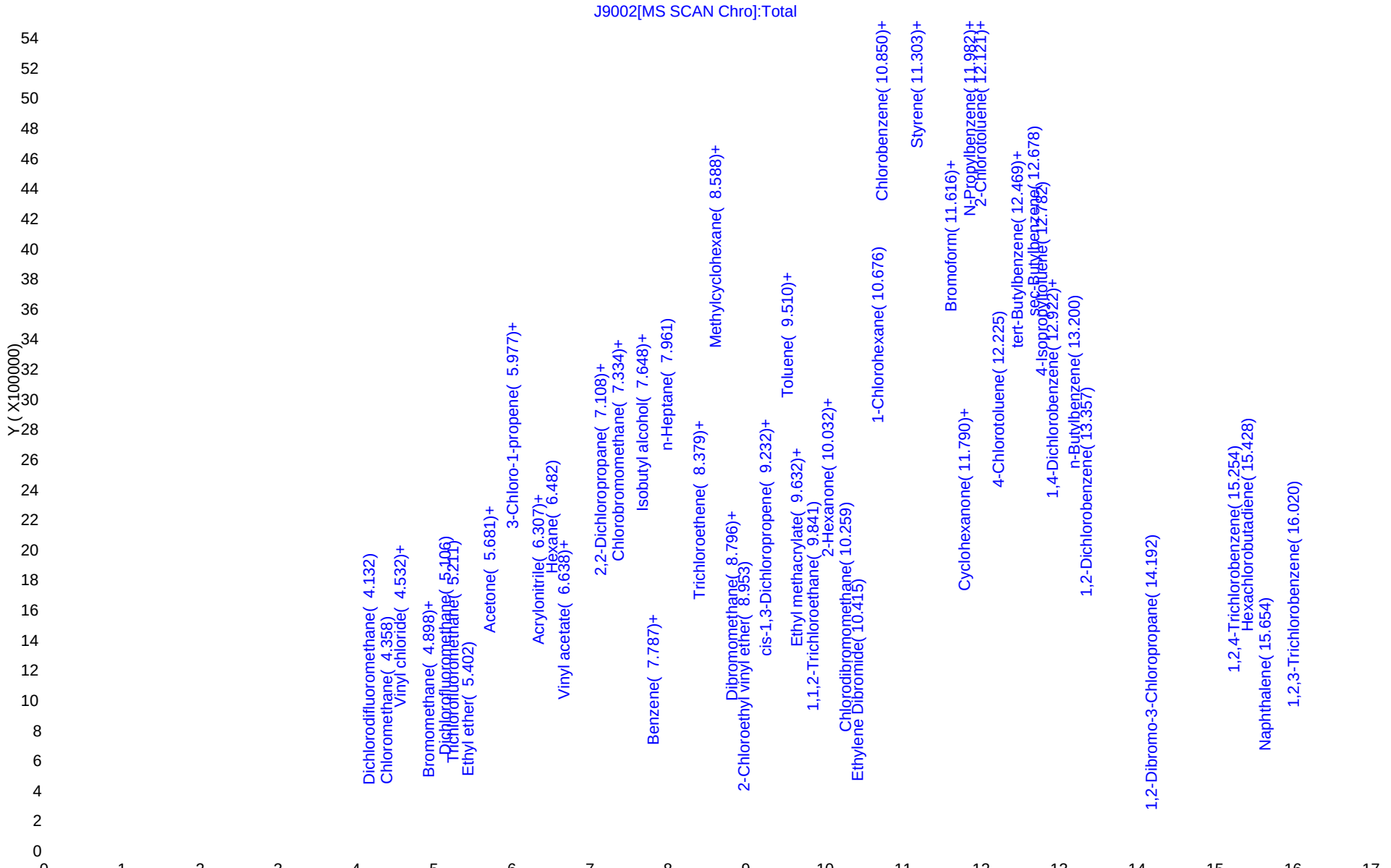
Report Date: 30-Oct-2013 16:35:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9002.D

Injection Date:	29-Oct-2013 17:51:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	6
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: J9018.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.591(g) | Date Analyzed: 10/29/2013 23:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	57.3		6.1	1.2	0.68
71-55-6	1,1,1-Trichloroethane	57.9		6.1	1.2	0.63
79-34-5	1,1,2,2-Tetrachloroethane	51.9		6.1	1.2	0.74
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	55.5		24	24	0.55
79-00-5	1,1,2-Trichloroethane	53.9		6.1	1.2	1.1
75-34-3	1,1-Dichloroethane	57.5		6.1	0.97	0.25
75-35-4	1,1-Dichloroethene	54.4		6.1	1.2	0.72
563-58-6	1,1-Dichloropropene	60.8		6.1	1.2	0.65
87-61-6	1,2,3-Trichlorobenzene	35.9	J	6.1	1.2	0.91
96-18-4	1,2,3-Trichloropropane	52.9		6.1	1.2	0.98
120-82-1	1,2,4-Trichlorobenzene	37.1	J	6.1	1.2	0.88
95-63-6	1,2,4-Trimethylbenzene	55.9		6.1	1.2	0.70
96-12-8	1,2-Dibromo-3-Chloropropane	46.2		12	1.2	0.73
95-50-1	1,2-Dichlorobenzene	47.8		6.1	1.2	0.55
107-06-2	1,2-Dichloroethane	52.0		6.1	1.2	0.85
78-87-5	1,2-Dichloropropane	56.8		6.1	1.2	0.67
108-67-8	1,3,5-Trimethylbenzene	57.4		6.1	1.2	0.69
541-73-1	1,3-Dichlorobenzene	50.1		6.1	1.2	0.58
142-28-9	1,3-Dichloropropane	50.3		6.1	1.2	0.62
106-46-7	1,4-Dichlorobenzene	49.2		6.1	1.2	0.95
123-91-1	1,4-Dioxane	852		610	97	68
544-10-5	1-Chlorohexane	55.9		6.1	0.97	0.76
594-20-7	2,2-Dichloropropane	56.9		6.1	1.2	0.53
78-93-3	2-Butanone (MEK)	368		24	7.8	2.2
95-49-8	2-Chlorotoluene	54.5		6.1	1.2	0.62
591-78-6	2-Hexanone	161		24	12	5.9
106-43-4	4-Chlorotoluene	52.7		6.1	1.2	0.95
99-87-6	4-Isopropyltoluene	52.8		6.1	1.2	0.59
108-10-1	4-Methyl-2-pentanone (MIBK)	154		24	12	5.3
67-64-1	Acetone	160		24	12	6.5
71-43-2	Benzene	57.2		6.1	1.2	0.57
108-86-1	Bromobenzene	52.9		6.1	1.2	0.59
75-25-2	Bromoform	52.1		6.1	0.97	0.28
74-83-9	Bromomethane	37.9		12	1.2	0.61
75-15-0	Carbon disulfide	57.8		6.1	1.2	0.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: J9018.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.591(g) | Date Analyzed: 10/29/2013 23:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	58.1		6.1	1.2	0.76
108-90-7	Chlorobenzene	53.7		6.1	1.2	0.65
74-97-5	Chlorobromomethane	54.1		6.1	1.2	0.36
124-48-1	Chlorodibromomethane	55.1		6.1	1.2	0.69
75-00-3	Chloroethane	38.5		12	1.2	1.1
67-66-3	Chloroform	55.0		12	1.2	0.35
74-87-3	Chloromethane	39.9		12	1.2	0.93
156-59-2	cis-1,2-Dichloroethene	57.7		6.1	1.2	0.68
10061-01-5	cis-1,3-Dichloropropene	53.7		6.1	2.4	1.6
110-82-7	Cyclohexane	55.4		6.1	1.9	0.48
74-95-3	Dibromomethane	52.4		6.1	1.2	1.0
75-27-4	Dichlorobromomethane	52.9		6.1	0.97	0.27
75-71-8	Dichlorodifluoromethane	43.1		12	1.2	0.63
100-41-4	Ethylbenzene	57.7		6.1	1.2	0.81
106-93-4	Ethylene Dibromide	48.9		6.1	1.2	0.63
87-68-3	Hexachlorobutadiene	35.6		6.1	1.2	0.67
98-82-8	Isopropylbenzene	56.3		6.1	1.2	0.72
79-20-9	Methyl acetate	273		10	4.8	3.3
1634-04-4	Methyl tert-butyl ether	52.4		24	1.2	0.41
108-87-2	Methylcyclohexane	51.8		6.1	0.97	0.51
75-09-2	Methylene Chloride	56.5		6.1	3.9	1.9
179601-23-1	m-Xylene & p-Xylene	58.4		3.9	2.4	1.3
91-20-3	Naphthalene	33.7		6.1	1.2	0.76
104-51-8	n-Butylbenzene	49.7		6.1	1.2	0.68
103-65-1	N-Propylbenzene	55.4		6.1	1.2	0.70
95-47-6	o-Xylene	57.5		6.1	1.2	0.74
135-98-8	sec-Butylbenzene	53.0		6.1	1.2	0.93
100-42-5	Styrene	60.5		6.1	1.2	0.76
98-06-6	tert-Butylbenzene	55.3		6.1	1.2	0.61
127-18-4	Tetrachloroethene	56.2		6.1	1.2	0.72
108-88-3	Toluene	59.2		6.1	1.2	0.84
156-60-5	trans-1,2-Dichloroethene	57.6		6.1	1.2	0.47
10061-02-6	trans-1,3-Dichloropropene	51.4		6.1	1.2	0.81
79-01-6	Trichloroethene	55.1		6.1	0.97	0.28
75-69-4	Trichlorofluoromethane	45.5		12	2.4	1.3
75-01-4	Vinyl chloride	39.2		6.1	2.4	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: J9018.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.591(g) | Date Analyzed: 10/29/2013 23:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		61-129
460-00-4	4-Bromofluorobenzene (Surr)	90		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	94		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9018.D
Lims ID: 280-48486-A-1-C MS Client ID:
Inject. Date: 29-Oct-2013 23:39:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 280-48486-a-1-c ms
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 198398 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 30-Oct-2013 16:30:35

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	1.173	1.051	0.122	0	449	0	
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	46	349196	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1522103	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	79	328125	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	94	470033	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	53	440265	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.787	0.001	97	354706	42.7	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	1405910	47.2	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.790	0.001	84	428547	45.0	
25 Dichlorodifluoromethane	85	4.132	4.133	-0.001	98	483314	35.6	
27 Chloromethane	50	4.359	4.360	-0.001	100	491860	32.9	
28 Vinyl chloride	62	4.515	4.516	-0.001	98	456543	32.3	
31 Bromomethane	94	4.898	4.899	-0.001	92	293574	31.2	
32 Chloroethane	64	4.968	4.969	-0.001	98	257583	31.8	
34 Trichlorofluoromethane	101	5.212	5.213	-0.001	97	624143	37.6	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.665	-0.001	95	400747	45.8	
41 Acetone	43	5.664	5.665	-0.001	85	187522	131.8	
45 1,1-Dichloroethene	96	5.699	5.683	0.016	99	403825	44.9	
48 Methyl acetate	43	5.908	5.909	-0.001	90	893290	225.5	
51 Carbon disulfide	76	5.977	5.978	-0.001	99	2050844	47.7	
52 Methylene Chloride	84	6.064	6.065	-0.001	94	446829	46.6	
54 Methyl tert-butyl ether	73	6.256	6.257	-0.001	97	656526	43.3	
55 trans-1,2-Dichloroethene	96	6.308	6.292	0.016	95	491317	47.5	
59 1,1-Dichloroethane	63	6.639	6.640	-0.001	97	985808	47.5	
63 2-Butanone (MEK)	43	7.057	7.058	-0.001	98	921553	303.8	
65 cis-1,2-Dichloroethene	96	7.109	7.110	-0.001	87	459863	47.6	
67 2,2-Dichloropropane	77	7.144	7.145	-0.001	94	723241	46.9	
69 Chlorobromomethane	128	7.335	7.319	0.016	90	187591	44.7	
70 Chloroform	83	7.335	7.336	-0.001	96	787633	45.3	
73 1,1,1-Trichloroethane	97	7.579	7.562	0.017	92	718661	47.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 Cyclohexane	56	7.648	7.649	-0.001	97	939279	45.7	
75 1,1-Dichloropropene	75	7.683	7.684	-0.001	92	748540	50.1	
76 Carbon tetrachloride	117	7.718	7.719	-0.001	75	727698	47.9	
77 1,2-Dichloroethane	62	7.857	7.858	-0.001	92	445074	42.9	
79 Benzene	78	7.875	7.876	-0.001	98	1745696	47.2	
81 Trichloroethene	130	8.379	8.380	-0.001	93	518059	45.5	
84 1,2-Dichloropropane	63	8.588	8.589	-0.001	80	461797	46.9	
85 Methylcyclohexane	55	8.606	8.589	0.017	93	738271	42.7	
86 1,4-Dioxane	88	8.658	8.642	0.016	86	34531	702.6	
87 Dibromomethane	93	8.710	8.711	-0.001	85	180818	43.2	
88 Dichlorobromomethane	83	8.797	8.781	0.016	94	498728	43.6	
91 cis-1,3-Dichloropropene	75	9.163	9.164	-0.001	86	531523	44.3	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.233	-0.001	98	723738	127.4	
93 Toluene	91	9.511	9.512	-0.001	92	1689447	48.9	
95 trans-1,3-Dichloropropene	75	9.633	9.634	-0.001	99	436042	42.4	
96 1,1,2-Trichloroethane	97	9.842	9.843	-0.001	95	213448	44.4	
97 2-Hexanone	43	9.981	9.982	-0.001	97	450132	132.5	
98 1,3-Dichloropropane	76	10.016	10.017	-0.001	94	404063	41.5	
99 Tetrachloroethene	164	10.050	10.034	0.016	97	401556	46.4	
100 Chlorodibromomethane	129	10.259	10.243	0.016	87	318046	45.5	
102 Ethylene Dibromide	107	10.416	10.399	0.017	99	206795	40.3	
103 1-Chlorohexane	91	10.677	10.678	-0.001	92	575432	46.1	
104 Chlorobenzene	112	10.799	10.800	-0.001	88	987191	44.3	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.852	-0.001	41	382684	47.2	
105 Ethylbenzene	106	10.851	10.852	-0.001	89	563055	47.6	
107 m-Xylene & p-Xylene	91	10.938	10.939	-0.001	99	1384955	48.2	
109 o-Xylene	106	11.304	11.305	-0.001	86	620578	47.4	
108 Styrene	104	11.304	11.305	-0.001	80	887956	50.0	
110 Bromoform	173	11.547	11.548	-0.001	94	154427	43.0	
111 Isopropylbenzene	105	11.617	11.618	-0.001	96	1733796	46.4	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.862	-0.001	68	233051	42.9	
116 1,2,3-Trichloropropane	110	11.948	11.931	0.017	84	61191	43.6	
118 Bromobenzene	156	11.982	11.983	-0.001	58	385425	43.6	
117 N-Propylbenzene	120	11.982	11.983	-0.001	94	465282	45.7	
120 2-Chlorotoluene	126	12.139	12.123	0.016	97	417196	45.0	
119 1,3,5-Trimethylbenzene	105	12.122	12.123	-0.001	89	1320994	47.3	
121 4-Chlorotoluene	126	12.226	12.227	-0.001	97	387643	43.5	
122 tert-Butylbenzene	119	12.470	12.471	-0.001	92	1378746	45.6	
123 1,2,4-Trimethylbenzene	105	12.505	12.506	-0.001	92	1290073	46.2	
124 sec-Butylbenzene	134	12.679	12.680	-0.001	95	353139	43.8	
125 4-Isopropyltoluene	119	12.783	12.784	-0.001	95	1446452	43.5	
126 1,3-Dichlorobenzene	146	12.870	12.854	0.016	98	709396	41.3	
128 1,4-Dichlorobenzene	146	12.940	12.941	-0.001	93	678295	40.6	
129 n-Butylbenzene	91	13.201	13.202	-0.001	96	1227730	41.0	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	561143	39.4	
131 1,2-Dibromo-3-Chloropropane	157	14.210	14.194	0.016	83	32646	38.1	
132 1,2,4-Trichlorobenzene	180	15.272	15.256	0.016	94	228184	30.6	
133 Hexachlorobutadiene	225	15.429	15.430	-0.001	91	158113	29.4	
134 Naphthalene	128	15.672	15.656	0.016	97	328861	27.8	
135 1,2,3-Trichlorobenzene	180	16.021	16.022	-0.001	96	182181	29.6	

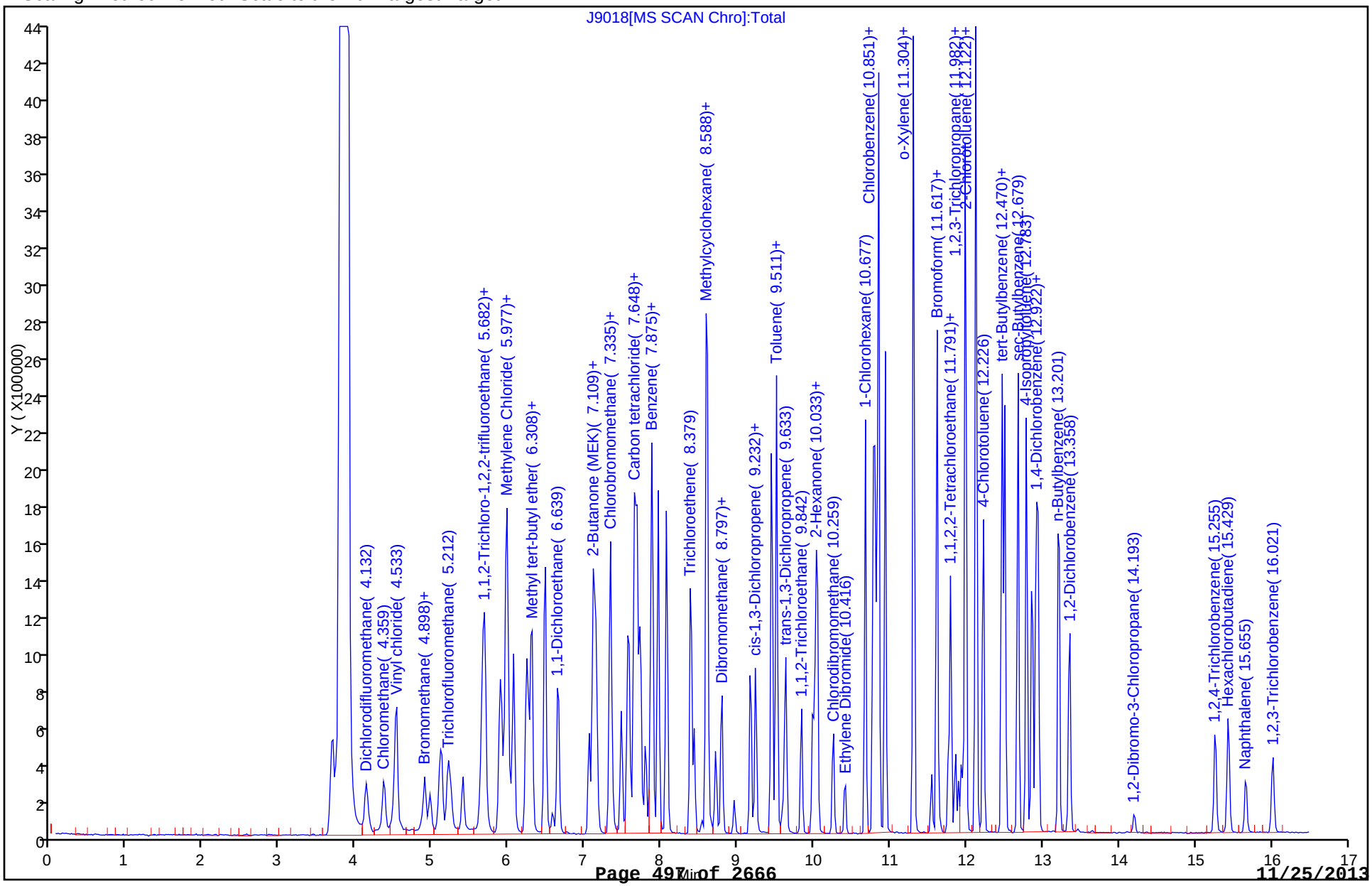
Report Date: 30-Oct-2013 16:34:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9018.D

Injection Date:	29-Oct-2013 23:39:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	24
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: J9019.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.357(g) | Date Analyzed: 10/30/2013 00:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	63.1		6.4	1.3	0.72
71-55-6	1,1,1-Trichloroethane	66.5		6.4	1.3	0.66
79-34-5	1,1,2,2-Tetrachloroethane	65.1		6.4	1.3	0.78
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	62.5		26	26	0.57
79-00-5	1,1,2-Trichloroethane	60.9		6.4	1.3	1.1
75-34-3	1,1-Dichloroethane	64.8		6.4	1.0	0.27
75-35-4	1,1-Dichloroethene	62.6		6.4	1.3	0.75
563-58-6	1,1-Dichloropropene	69.2		6.4	1.3	0.69
87-61-6	1,2,3-Trichlorobenzene	38.6		6.4	1.3	0.96
96-18-4	1,2,3-Trichloropropane	66.4		6.4	1.3	1.0
120-82-1	1,2,4-Trichlorobenzene	41.3		6.4	1.3	0.93
95-63-6	1,2,4-Trimethylbenzene	70.6		6.4	1.3	0.74
96-12-8	1,2-Dibromo-3-Chloropropane	57.5		13	1.3	0.77
95-50-1	1,2-Dichlorobenzene	58.5		6.4	1.3	0.57
107-06-2	1,2-Dichloroethane	58.6		6.4	1.3	0.89
78-87-5	1,2-Dichloropropane	64.0		6.4	1.3	0.70
108-67-8	1,3,5-Trimethylbenzene	71.4		6.4	1.3	0.73
541-73-1	1,3-Dichlorobenzene	60.7		6.4	1.3	0.61
142-28-9	1,3-Dichloropropane	57.6		6.4	1.3	0.65
106-46-7	1,4-Dichlorobenzene	60.3		6.4	1.3	1.0
123-91-1	1,4-Dioxane	925		640	100	72
544-10-5	1-Chlorohexane	63.2		6.4	1.0	0.80
594-20-7	2,2-Dichloropropane	63.8		6.4	1.3	0.56
78-93-3	2-Butanone (MEK)	623	J	26	8.2	2.3
95-49-8	2-Chlorotoluene	68.8		6.4	1.3	0.65
591-78-6	2-Hexanone	223	J	26	13	6.2
106-43-4	4-Chlorotoluene	66.5		6.4	1.3	1.0
99-87-6	4-Isopropyltoluene	67.4		6.4	1.3	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	212	J	26	13	5.6
67-64-1	Acetone	231	J	26	13	6.9
71-43-2	Benzene	64.8		6.4	1.3	0.60
108-86-1	Bromobenzene	67.2		6.4	1.3	0.63
75-25-2	Bromoform	58.1		6.4	1.0	0.29
74-83-9	Bromomethane	51.5	J	13	1.3	0.64
75-15-0	Carbon disulfide	65.3		6.4	1.3	0.54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: J9019.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.357(g) | Date Analyzed: 10/30/2013 00:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	65.1		6.4	1.3	0.80
108-90-7	Chlorobenzene	61.0		6.4	1.3	0.69
74-97-5	Chlorobromomethane	62.1		6.4	1.3	0.38
124-48-1	Chlorodibromomethane	62.1		6.4	1.3	0.73
75-00-3	Chloroethane	53.3	J	13	1.3	1.1
67-66-3	Chloroform	62.6		13	1.3	0.37
74-87-3	Chloromethane	53.7		13	1.3	0.98
156-59-2	cis-1,2-Dichloroethene	65.5		6.4	1.3	0.72
10061-01-5	cis-1,3-Dichloropropene	60.8		6.4	2.6	1.6
110-82-7	Cyclohexane	65.1		6.4	2.0	0.51
74-95-3	Dibromomethane	60.6		6.4	1.3	1.1
75-27-4	Dichlorobromomethane	59.9		6.4	1.0	0.28
75-71-8	Dichlorodifluoromethane	56.9		13	1.3	0.66
100-41-4	Ethylbenzene	65.4		6.4	1.3	0.86
106-93-4	Ethylene Dibromide	56.4		6.4	1.3	0.66
87-68-3	Hexachlorobutadiene	43.0		6.4	1.3	0.70
98-82-8	Isopropylbenzene	71.2		6.4	1.3	0.75
79-20-9	Methyl acetate	308		11	5.1	3.5
1634-04-4	Methyl tert-butyl ether	62.2		26	1.3	0.43
108-87-2	Methylcyclohexane	59.3		6.4	1.0	0.54
75-09-2	Methylene Chloride	65.2		6.4	4.1	2.0
179601-23-1	m-Xylene & p-Xylene	65.4		4.1	2.6	1.3
91-20-3	Naphthalene	39.4		6.4	1.3	0.80
104-51-8	n-Butylbenzene	60.7		6.4	1.3	0.72
103-65-1	N-Propylbenzene	70.2		6.4	1.3	0.74
95-47-6	o-Xylene	66.0		6.4	1.3	0.78
135-98-8	sec-Butylbenzene	67.7		6.4	1.3	0.98
100-42-5	Styrene	68.0		6.4	1.3	0.80
98-06-6	tert-Butylbenzene	69.9		6.4	1.3	0.64
127-18-4	Tetrachloroethene	62.5		6.4	1.3	0.75
108-88-3	Toluene	67.0		6.4	1.3	0.88
156-60-5	trans-1,2-Dichloroethene	66.1		6.4	1.3	0.50
10061-02-6	trans-1,3-Dichloropropene	57.4		6.4	1.3	0.86
79-01-6	Trichloroethene	62.2		6.4	1.0	0.29
75-69-4	Trichlorofluoromethane	60.4		13	2.6	1.3
75-01-4	Vinyl chloride	54.6	J	6.4	2.6	1.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD Lab Sample ID: 280-48486-1 MSD

Matrix: Solid Lab File ID: J9019.D

Analysis Method: 8260B/DoD Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.357(g) Date Analyzed: 10/30/2013 00:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 Level: (low/med) Low

Analysis Batch No.: 198398 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-129
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9019.D
Lims ID: 280-48486-A-1-D MSD Client ID:
Inject. Date: 30-Oct-2013 00:00:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 280-48486-a-1-d msd
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 29
Lims Batch ID: 198398 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 30-Oct-2013 16:30:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	0.999	1.051	-0.052	0	429	0	
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	38	347791	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1469602	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	81	316984	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	94	400898	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	54	425984	45.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	93	350752	43.8	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	1327102	46.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	85	390683	48.0	
25 Dichlorodifluoromethane	85	4.132	4.133	-0.001	99	593128	44.6	
27 Chloromethane	50	4.358	4.360	-0.002	99	606180	42.0	
28 Vinyl chloride	62	4.515	4.516	-0.001	98	582783	42.8	
31 Bromomethane	94	4.898	4.899	-0.001	92	366257	40.4	
32 Chloroethane	64	4.967	4.969	-0.002	98	326599	41.7	
34 Trichlorofluoromethane	101	5.211	5.213	-0.002	98	759392	47.3	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.665	-0.001	93	413397	48.9	
41 Acetone	43	5.664	5.665	-0.001	73	237692	181.2	
45 1,1-Dichloroethene	96	5.698	5.683	0.015	98	425931	49.0	
48 Methyl acetate	43	5.907	5.909	-0.002	90	922572	241.2	
51 Carbon disulfide	76	5.977	5.978	-0.001	99	2122490	51.2	
52 Methylene Chloride	84	6.064	6.065	-0.001	93	472792	51.1	
54 Methyl tert-butyl ether	73	6.255	6.257	-0.002	93	712928	48.7	
55 trans-1,2-Dichloroethene	96	6.308	6.292	0.016	96	516984	51.8	
59 1,1-Dichloroethane	63	6.638	6.640	-0.002	97	1017755	50.8	
63 2-Butanone (MEK)	43	7.056	7.058	-0.002	98	1428601	487.8	
65 cis-1,2-Dichloroethene	96	7.108	7.110	-0.002	88	478749	51.3	
67 2,2-Dichloropropane	77	7.143	7.145	-0.002	92	744041	50.0	
69 Chlorobromomethane	128	7.335	7.319	0.016	90	197326	48.7	
70 Chloroform	83	7.335	7.336	-0.001	96	821553	49.0	
73 1,1,1-Trichloroethane	97	7.578	7.562	0.016	92	756395	52.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 Cyclohexane	56	7.648	7.649	-0.001	97	1010592	51.0	
75 1,1-Dichloropropene	75	7.683	7.684	-0.001	92	780416	54.2	
76 Carbon tetrachloride	117	7.717	7.719	-0.002	76	747578	51.0	
77 1,2-Dichloroethane	62	7.857	7.858	-0.001	92	459152	45.9	
79 Benzene	78	7.874	7.876	-0.002	97	1813739	50.7	
81 Trichloroethene	130	8.396	8.380	0.016	93	536159	48.7	
84 1,2-Dichloropropane	63	8.588	8.589	-0.001	80	476401	50.1	
85 Methylcyclohexane	55	8.605	8.589	0.016	92	774396	46.4	
86 1,4-Dioxane	88	8.657	8.642	0.015	84	34358	724.1	
87 Dibromomethane	93	8.710	8.711	-0.001	84	191620	47.4	
88 Dichlorobromomethane	83	8.797	8.781	0.016	94	517860	46.9	
91 cis-1,3-Dichloropropene	75	9.162	9.164	-0.002	86	551575	47.6	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.233	-0.001	97	917063	165.7	
93 Toluene	91	9.510	9.512	-0.002	92	1749937	52.4	
95 trans-1,3-Dichloropropene	75	9.632	9.634	-0.002	98	445793	44.9	
96 1,1,2-Trichloroethane	97	9.841	9.843	-0.002	94	221192	47.7	
97 2-Hexanone	43	9.980	9.982	-0.002	97	573743	174.8	
98 1,3-Dichloropropane	76	10.015	10.017	-0.002	94	424106	45.1	
99 Tetrachloroethene	164	10.050	10.034	0.016	97	409594	49.0	
100 Chlorodibromomethane	129	10.259	10.243	0.016	86	328333	48.6	
102 Ethylene Dibromide	107	10.415	10.399	0.016	98	218904	44.2	
103 1-Chlorohexane	91	10.676	10.678	-0.002	93	596548	49.5	
104 Chlorobenzene	112	10.798	10.800	-0.002	90	1026849	47.7	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.852	-0.001	43	386893	49.4	
105 Ethylbenzene	106	10.851	10.852	-0.001	99	584505	51.2	
107 m-Xylene & p-Xylene	91	10.938	10.939	-0.001	99	1422967	51.2	
109 o-Xylene	106	11.303	11.305	-0.002	87	653426	51.7	
108 Styrene	104	11.303	11.305	-0.002	81	914115	53.2	
110 Bromoform	173	11.547	11.548	-0.001	94	157757	45.5	
111 Isopropylbenzene	105	11.616	11.618	-0.002	96	1775560	55.8	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.862	-0.002	93	236615	51.0	
116 1,2,3-Trichloropropane	110	11.947	11.931	0.016	82	62254	52.0	
118 Bromobenzene	156	11.982	11.983	-0.001	58	396260	52.6	
117 N-Propylbenzene	120	11.999	11.983	0.016	95	477298	55.0	
120 2-Chlorotoluene	126	12.139	12.123	0.016	98	425742	53.8	
119 1,3,5-Trimethylbenzene	105	12.121	12.123	-0.002	87	1331164	55.9	
121 4-Chlorotoluene	126	12.226	12.227	-0.001	97	395488	52.1	
122 tert-Butylbenzene	119	12.469	12.471	-0.002	91	1411428	54.7	
123 1,2,4-Trimethylbenzene	105	12.504	12.506	-0.002	91	1318354	55.3	
124 sec-Butylbenzene	134	12.678	12.680	-0.002	95	364562	53.0	
125 4-Isopropyltoluene	119	12.783	12.784	-0.001	95	1494838	52.8	
126 1,3-Dichlorobenzene	146	12.870	12.854	0.016	98	696056	47.5	
128 1,4-Dichlorobenzene	146	12.939	12.941	-0.002	93	672749	47.2	
129 n-Butylbenzene	91	13.200	13.202	-0.002	96	1211761	47.5	
130 1,2-Dichlorobenzene	146	13.357	13.358	-0.001	98	556077	45.8	
131 1,2-Dibromo-3-Chloropropane	157	14.210	14.194	0.016	81	32885	45.0	
132 1,2,4-Trichlorobenzene	180	15.272	15.256	0.016	94	205883	32.4	
133 Hexachlorobutadiene	225	15.428	15.430	-0.002	93	154237	33.6	
134 Naphthalene	128	15.655	15.656	-0.001	97	311956	30.8	
135 1,2,3-Trichlorobenzene	180	16.020	16.022	-0.002	96	158497	30.2	

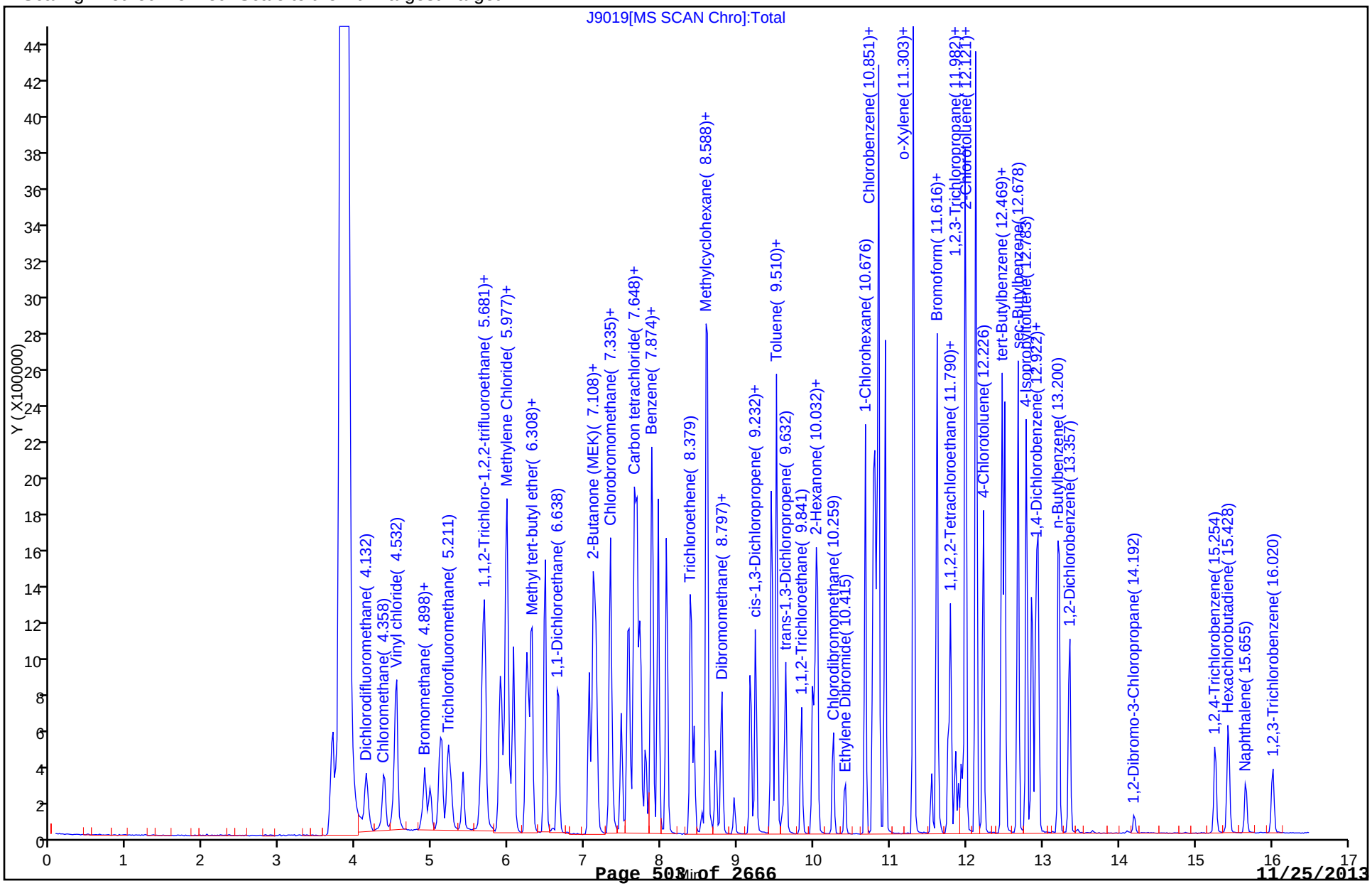
Report Date: 30-Oct-2013 16:34:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9019.D

Injection Date:	30-Oct-2013 00:00:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	25
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Start Date: 10/21/2013 13:25

Analysis Batch Number: 196983 End Date: 10/22/2013 00:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-196983/1		10/21/2013 13:25	1	J8866.D	DB-624 (75.53) 0.53(mm)
STD1 280-196983/2 IC		10/21/2013 14:09	1	J8867.D	DB-624 (75.53) 0.53(mm)
STD2 280-196983/3 IC		10/21/2013 14:30	1	J8868.D	DB-624 (75.53) 0.53(mm)
STD5 280-196983/4 IC		10/21/2013 14:52	1	J8869.D	DB-624 (75.53) 0.53(mm)
STD10 280-196983/5 IC		10/21/2013 15:24	1	J8870.D	DB-624 (75.53) 0.53(mm)
STD20 280-196983/6 IC		10/21/2013 15:45	1	J8871.D	DB-624 (75.53) 0.53(mm)
ICIS 280-196983/7		10/21/2013 16:06	1	J8872.D	DB-624 (75.53) 0.53(mm)
STD100 280-196983/8 IC		10/21/2013 16:28	1	J8873.D	DB-624 (75.53) 0.53(mm)
STD200 280-196983/9 IC		10/21/2013 16:49	1	J8874.D	DB-624 (75.53) 0.53(mm)
ICV 280-196983/10		10/21/2013 17:11	1	J8875.D	DB-624 (75.53) 0.53(mm)
STD1 280-196983/11 IC		10/21/2013 17:32	1	J8876.D	DB-624 (75.53) 0.53(mm)
STD2 280-196983/12 IC		10/21/2013 17:54	1	J8877.D	DB-624 (75.53) 0.53(mm)
STD5 280-196983/13 IC		10/21/2013 18:15	1	J8878.D	DB-624 (75.53) 0.53(mm)
STD10 280-196983/14 IC		10/21/2013 18:37	1	J8879.D	DB-624 (75.53) 0.53(mm)
STD20 280-196983/15 IC		10/21/2013 18:59	1	J8880.D	DB-624 (75.53) 0.53(mm)
STD50 280-196983/16 IC		10/21/2013 19:20	1	J8881.D	DB-624 (75.53) 0.53(mm)
STD100 280-196983/17 IC		10/21/2013 19:42	1	J8882.D	DB-624 (75.53) 0.53(mm)
STD200 280-196983/18 IC		10/21/2013 20:03	1	J8883.D	DB-624 (75.53) 0.53(mm)
ICV 280-196983/19		10/21/2013 20:24	1	J8884.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 21:25	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 21:47	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 22:08	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 22:30	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 22:52	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 23:13	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 23:35	1		DB-624 (75.53) 0.53(mm)
ICV 280-196983/35		10/21/2013 23:57	1	J8892.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		10/22/2013 00:18	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/22/2013 00:40	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Start Date: 10/29/2013 16:44

Analysis Batch Number: 198398 End Date: 10/30/2013 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-198398/1		10/29/2013 16:44	1	J8999.D	DB-624 (75.53) 0.53(mm)
CCV 280-198398/2		10/29/2013 17:07	1	J9000.D	DB-624 (75.53) 0.53(mm)
CCV 280-198398/3		10/29/2013 17:29	1	J9001.D	DB-624 (75.53) 0.53(mm)
LCS 280-198393/2-A		10/29/2013 17:51	1	J9002.D	DB-624 (75.53) 0.53(mm)
MB 280-198393/1-A		10/29/2013 18:12	1	J9003.D	DB-624 (75.53) 0.53(mm)
280-48486-1	AOI474BF	10/29/2013 23:17	1	J9017.D	DB-624 (75.53) 0.53(mm)
280-48486-1 MS	AOI474BF MS	10/29/2013 23:39	1	J9018.D	DB-624 (75.53) 0.53(mm)
280-48486-1 MSD	AOI474BF MSD	10/30/2013 00:00	1	J9019.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 00:22	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 00:43	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 01:05	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 02:31	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 02:53	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 03:15	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA Continuing Calibration Review Checklist TestAmerica Denver

Instrument ID and Date: J 10/29/13 Work List 16858

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	---- Level 1 ---- Yes	No	N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
6. Label number of standard used recorded?	✓			✓	
7. Manual integrations documented and checked?	✓			NA	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	
9. Does this CCV pass Q4 criteria?	✓			✓	

1st Level Reviewer: AOD Date: 10/29/13

2nd Level Reviewer: [signature] Date: 10/29/13

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

TestAmerica Denver

Instrument: FJ

Instrument:

DV-MS-0010 (8260B/624) (Circle)

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL 5mL) (Circle)

Purge Volume: (20mL 5mL) (Circle)

Tune Time: 1644 - 0108

Tune Time:

Lims Batch: 198350 198398 198348

Lims Batch:

Sequence Name: C:\HPCHEM\1\SEQUENCE\102913.S

Sequence Name: C:\HPCHEM\1\SEQUENCE\102913.S

Comment:

Comment:

Operator: DUKESA

Operator: DUKESA

Data Path: C:\HPCHEM\1\data\102913.B\

Data Path: C:\HPCHEM\1\data\102913.B\

Pre-Seq Cmd:

Post-Seq Cmd:

Method Sections To Run

(X) Full Method

( ) Reprocessing Only

On A Barcode Mismatch

(X) Inject Anyway

( ) Don't Inject

Method Sections To Run
(X) Full Method
( ) Reprocessing Only
On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	J8997	8260S	PRIMER
1	Sample	1	J8997	8260S	PRIMER
2	Sample	2	J8998	8260S	PRIMER
3	Sample	2	J8998	8260S	PRIMER
3	Sample	100	J8999	BFBS	BFB
4	Sample	100	J8999	BFBS	BFB
4	Sample	10	J9000	8260S	CCV
5	Sample	10	J9000	8260S	CCV
5	Sample	11	J9001	8260S	CCV
6	Sample	11	J9001	8260S	CCV
6	Sample	12	J9002	8260S	LCS
7	Sample	12	J9002	8260S	LCS
7	Sample	13	J9003	8260S	MB
8	Sample	13	J9003	8260S	MB
8	Sample	14	J9004	8260S	280-48454-a-3-a
9	Sample	15	J9005	8260S	280-48454-a-3-a
9	Sample	15	J9005	8260S	280-48515-f-1-a
10	Sample	16	J9006	8260S	280-48515-f-1-a
10	Sample	16	J9006	8260S	280-48515-f-2-a
11	Sample	17	J9007	8260S	280-48515-f-2-a
11	Sample	17	J9007	8260S	280-48515-f-4-a
12	Sample	18	J9008	8260S	280-48515-f-4-a
12	Sample	18	J9008	8260S	280-48515-f-5-a
13	Sample	19	J9009	8260S	280-48515-f-5-a
13	Sample	19	J9009	8260S	280-48512-f-1-a
14	Sample	20	J9010	8260S	280-48512-f-1-a
14	Sample	20	J9010	8260S	280-48512-f-2-a
15	Sample	21	J9011	8260S	280-48512-f-2-a
15	Sample	21	J9011	8260S	280-48512-f-3-a
16	Sample	22	J9012	8260S	280-48512-f-3-a
16	Sample	22	J9012	8260S	280-48512-f-4-a
17	Sample	23	J9013	8260S	280-48512-f-4-a
17	Sample	23	J9013	8260S	280-48517-e-1-a
18	Sample	24	J9014	8260S	280-48517-e-1-a
18	Sample	24	J9014	8260S	280-48517-e-3-a
19	Sample	25	J9015	8260S	280-48517-e-3-a
19	Sample	25	J9015	8260S	280-48517-e-5-a
20	Sample	26	J9016	8260S	280-48517-e-5-a
20	Sample	26	J9016	8260S	280-48517-e-6-a
21	Sample	27	J9017	8260S	280-48517-e-6-a
21	Sample	27	J9017	8260S	280-48486-a-1-b
22	Sample	28	J9018	8260S	280-48486-a-1-b
22	Sample	28	J9018	8260S	280-48486-a-1-c ms
23	Sample	29	J9019	8260S	280-48486-a-1-c ms
23	Sample	29	J9019	8260S	280-48486-a-1-d msd
24	Sample	30	J9020	8260S	280-48486-a-1-d msd
24	Sample	30	J9020	8260S	280-48274-a-2-k
25	Sample	31	J9021	8260S	280-48274-a-2-k
25	Sample	31	J9021	8260S	280-48365-a-11-b
26	Sample	32	J9022	8260S	280-48365-a-11-b
26	Sample	32	J9022	8260S	280-48365-a-3-b
27	Sample	33	J9023	8260S	280-48365-a-3-b
27	Sample	33	J9023	8260S	280-48517-e-1-a
28	Sample	34	J9024	8260S	BLK
28	Sample	34	J9024	8260S	BLK
29	Sample	35	J9025	8260S	BLK
29	Sample	35	J9025	8260S	BLK
30	Sample	36	J9026	8260S	280-48336-b-14
30	Sample	36	J9026	8260S	280-48336-b-14
31	Sample	37	J9027	8260S	280-48336-b-15
31	Sample	37	J9027	8260S	280-48336-b-15
32	Sample	38	J9028	8260S	280-48336-b-16
32	Sample	38	J9028	8260S	280-48336-b-16
33	Sample	39	J9029	8260S	PRIMER
33	Sample	39	J9029	8260S	PRIMER
34	Sample	40	J9030	8260S	PRIMER
34	Sample	40	J9030	8260S	PRIMER

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL.

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL.

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TestAmerica Laboratories
Worklist Report

Worklist Name: 102913 Worklist Number: 16858
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20131029-16858.b
Upload Directory: \\Corpalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-ARCH SS A_00010 Amount Added: 1.000000, Units: uL
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016858-001	# 1 BFB	MV-BFB_00010	BFB		voaSoilLL	1.000000	uL	1.000000
280-0016858-002	# 2 CCV	MV-567649-D_00001 MV-2 Cleve_00016 MV-Gas/Ket A_00013 MV-Main A_00007	CCV		voaSoilLL	5.000000	g	1.000000
280-0016858-003	# 3 CCV	MV-Supp A_00004	CCV		voaSoilLL	5.000000	g	1.000000
280-0016858-006	# 6 LCS	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009	LCS		voaSoilLL	5.000000	g	1.000000
280-0016858-007	# 7 MB		MB		voaSoilLL	5.000000	g	1.000000
280-0016858-008	# 8 280-32357-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-009	# 9 280-32357-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-010	#10 280-48454-A-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-011	#11 280-48515-F-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-012	#12 280-48515-F-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-013	#13 280-48515-F-4-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-014	#14 280-48515-F-5-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016858-015	#15 280-48512-F-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-016	#16 280-48512-F-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-017	#17 280-48512-F-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-018	#18 280-48512-F-4-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-019	#19 280-48517-C-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-020	#20 280-48517-C-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-021	#21 280-48517-C-5-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-022	#22 280-48517-C-6-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-023	#23 280-48486-A-1-B		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-024	#24 280-48486-A-1-C MS	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009	MS		voaSoilLL	5.000000	g	1.000000
280-0016858-025	#25 280-48486-A-1-D MSD	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009	MSD		voaSoilLL	5.000000	g	1.000000
280-0016858-026	#26 280-48274-A-2-K		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-027	#27 280-48365-A-1-B		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-028	#28 280-48365-A-3-B		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-029	#29 280-48336-B-14		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-030	#30 280-48336-B-15		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-031	#31 280-48336-B-16		Client		voaSoilLL	5.000000	g	1.000000

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica

Instrument ID and Date: J 10/21/13 MAIN ICAL Batch/ICV lines 196983/19,
Calibration Event 15999 Work List 16552 2nd Day Batch/ICV lines ~~NA~~ 196983/35
Link for Q4 2-Hexanone

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	/			/	
2. ICAL date and instrument ID verified?	/			/	
3. Does the Form VI match the data in the Chrom source method?	/			/	
4. Sufficient number of calibration points used?	/			/	
5. Reasons for removal of points documented?	/			/	Some points ≤ RL removed
6. %RSD or correlation coefficient within method limits?	/			/	
7. Response factors meet criteria?	/			/	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	/			/	
9. Data checked for detector saturation?	/			/	
10. Label number of standards used recorded?	/			/	
11. Manual integrations documented and checked?	/			/	Ethyl ether: All lvls, Ace lv1 2:208 1,2,3TCP lv1 20 ICV
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	/			/	

1st Level Reviewer: AOO Date: 10/21/13

2nd Level Reviewer: [signature] Date: 10/22/13

Q4: Report 2-Hexanone from ICV 35

* Not Calibrated for Acrolein

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g)

Tune Time: 1325 -0123 (Circle)

Lims Batch : 196552
197071

A00 10/22/13

Sequence Name: C:\HPCHEM\1\SEQUENCE\102113I.S
Comment:
Operator: SEIFERTJ
Data Path: C:\HPCHEM\1\data\102113I.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	J8866	BFBS	BFB 1325
2	Sample	10	J8867	8260S	STD1
3	Sample	11	J8868	8260S	STD2
4	Sample	12	J8869	8260S	STD5
5	Sample	13	J8870	8260S	STD10
6	Sample	14	J8871	8260S	STD20
7	Sample	15	J8872	8260S	ICIS
8	Sample	16	J8873	8260S	STD100
9	Sample	17	J8874	8260S	STD200
10	Sample	18	J8875	8260S	ICV
11	Sample	19	J8876	8260S	STD1
12	Sample	20	J8877	8260S	STD2
13	Sample	21	J8878	8260S	STD5
14	Sample	22	J8879	8260S	STD10
15	Sample	23	J8880	8260S	STD20
16	Sample	24	J8881	8260S	STD50
17	Sample	25	J8882	8260S	STD100
18	Sample	26	J8883	8260S	STD200
19	Sample	27	J8884	8260S	ICV
20	Sample	28	J8885	8260S	LCS
21	Sample	29	J8886	8260S	MB
22	Sample	30	J8887	8260S	280-48142-c-3-a
23	Sample	31	J8888	8260S	280-48074-f-7-a
24	Sample	32	J8889	8260S	280-48074-f-8-a
25	Sample	33	J8890	8260S	280-48074-g-9-a
26	Sample	34	J8891	8260S	280-48074-f-10-a
27	Sample	35	J8892	8260S	ICV
28	Sample	36	J8893	8260S	280-48074-f-11-a
29	Sample	37	J8894	8260S	280-48074-f-12-a CRACKED VIAL, RA
30	Sample	38	J8895	8260S	280-48017-a-1-a
31	Sample	39	J8896	8260S	280-48017-a-2-a 0123
32	Sample	40	J8897	8260S	280-48017-a-6-a 12hr, RA

196552
196552
197071

QE 15998

QE 15999

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 102113I Worklist Number: 16552
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20131021-16552.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-ARCH SS A_00010 Amount Added: 1.000000, Units: uL
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-001	# 1 BFB	MV-BFB_00010	BFB		voaSoilLL	1.000000	uL	1.000000
280-0016552-002	# 2 STD1	MV-Supp A_00004 Freon_A_00001 MV-567649-D_00001 MV-ARCH SS A_00010	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-003	# 3 STD2	MV-Supp A_00004 Freon_A_00001 MV-ARCH SS A_00010 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-004	# 4 STD5	MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-005	# 5 STD10	MV-567649-D_00001 MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-006	# 6 STD20	Freon_A_00001 MV-Supp A_00004 MV-ARCH SS A_00010 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-007	# 7 ICIS	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	ICIS	6	voaSoilLL	5.000000	g	1.000000
280-0016552-008	# 8 STD100	MV-ARCH SS A_00010 MV-567649-D_00001 Freon_A_00001 MV-Supp A_00004	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-009	# 9 STD200	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-010	#10 ICV	Freon_B_00001 MV-Supp B_00001 MV-ARCH SS A_00010 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-011	#11 STD1	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-012	#12 STD2	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-013	#13 STD5	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-014	#14 STD10	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-015	#15 STD20	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-016	#16 STD50	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	6	voaSoilLL	5.000000	g	1.000000
280-0016552-017	#17 STD100	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-018	#18 STD200	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-019	#19 ICV	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000
280-0016552-020	#20 LCS	Freon_B_00001 MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 Acrolein B_00009	LCS		voaSoilLL	5.000000	g	1.000000
280-0016552-021	#21 MB		MB		voaSoilLL	5.000000	g	1.000000
280-0016552-022	#22 280-32357-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-023	#23 280-32357-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-024	#24 280-48142-C-3-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-025	#25 280-48074-F-7-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-026	#26 280-48074-F-8-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-027	#27 280-48074-G-9-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-028	#28 280-48074-F-10-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-029	#29 280-48074-F-11-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-030	#30 280-48074-F-12-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-031	#31 280-48017-A-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-032	#32 280-48017-A-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-033	#33 280-48017-A-6-A		Client		voaSoilLL	5.000000	g	1.000000

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica

Instrument ID and Date: J 10/21/13 SUPP/FLEON ICAL Batch/ICV lines 196983/10 ICIS 7
Calibration Event 15998 Work List 16552 2nd Day Batch/ICV lines NA

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?			✓	✓	
12. 2nd source ICV recovery 80-120% (±20% drift) for DoD projects, 65-135% (±35%, or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: ADO Date: 10/21/13

2nd Level Reviewer: SA Date: 10/22/13

Ethylene Oxide +60.38 %D
Acetonitrile +57.63 %D
Ethyl Acetate +176.49 %D
n-Butyl Acetate +185.38 %D

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1325 -0123

Lims Batch : 196552
197071

A100 10/22/13

Sequence Name: C:\HPCHEM\1\SEQUENCE\102113I.S
Comment:
Operator: SEIFERTJ
Data Path: C:\HPCHEM\1\data\102113I.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name	
1	Sample	100	J8866	BFBS	BFB	1325
2	Sample	10	J8867	8260S	STD1	
3	Sample	11	J8868	8260S	STD2	
4	Sample	12	J8869	8260S	STD5	
5	Sample	13	J8870	8260S	STD10	
6	Sample	14	J8871	8260S	STD20	QE 15998
7	Sample	15	J8872	8260S	ICIS	
8	Sample	16	J8873	8260S	STD100	
9	Sample	17	J8874	8260S	STD200	
10	Sample	18	J8875	8260S	ICV	
11	Sample	19	J8876	8260S	STD1	
12	Sample	20	J8877	8260S	STD2	
13	Sample	21	J8878	8260S	STD5	
14	Sample	22	J8879	8260S	STD10	
15	Sample	23	J8880	8260S	STD20	
16	Sample	24	J8881	8260S	STD50	QE 15999
17	Sample	25	J8882	8260S	STD100	
18	Sample	26	J8883	8260S	STD200	
19	Sample	27	J8884	8260S	ICV	
20	Sample	28	J8885	8260S	LCS	
21	Sample	29	J8886	8260S	MB	
22	Sample	30	J8887	8260S	280-48142-c-3-a	
23	Sample	31	J8888	8260S	280-48074-f-7-a	
24	Sample	32	J8889	8260S	280-48074-f-8-a	
25	Sample	33	J8890	8260S	280-48074-g-9-a	
26	Sample	34	J8891	8260S	280-48074-f-10-a	
27	Sample	35	J8892	8260S	ICV	
28	Sample	36	J8893	8260S	280-48074-f-11-a	
29	Sample	37	J8894	8260S	280-48074-f-12-a	CRACKED VIAL, RA
30	Sample	38	J8895	8260S	280-48017-a-1-a	
31	Sample	39	J8896	8260S	280-48017-a-2-a	0123
32	Sample	40	J8897	8260S	280-48017-a-6-a	12hr, RA

16552
196552
197071

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 102113I Worklist Number: 16552
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20131021-16552.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-ARCH SS A_00010 Amount Added: 1.000000, Units: uL
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-001	# 1 BFB	MV-BFB_00010	BFB		voaSoilLL	1.000000	uL	1.000000
280-0016552-002	# 2 STD1	MV-Supp A_00004 Freon_A_00001 MV-567649-D_00001 MV-ARCH SS A_00010	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-003	# 3 STD2	MV-Supp A_00004 Freon_A_00001 MV-ARCH SS A_00010 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-004	# 4 STD5	MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-005	# 5 STD10	MV-567649-D_00001 MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-006	# 6 STD20	Freon_A_00001 MV-Supp A_00004 MV-ARCH SS A_00010 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-007	# 7 ICIS	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	ICIS	6	voaSoilLL	5.000000	g	1.000000
280-0016552-008	# 8 STD100	MV-ARCH SS A_00010 MV-567649-D_00001 Freon_A_00001 MV-Supp A_00004	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-009	# 9 STD200	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-010	#10 ICV	Freon_B_00001 MV-Supp B_00001 MV-ARCH SS A_00010 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-011	#11 STD1	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-012	#12 STD2	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-013	#13 STD5	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-014	#14 STD10	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-015	#15 STD20	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-016	#16 STD50	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	6	voaSoilLL	5.000000	g	1.000000
280-0016552-017	#17 STD100	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-018	#18 STD200	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-019	#19 ICV	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000
280-0016552-020	#20 LCS	Freon_B_00001 MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 Acrolein B_00009	LCS		voaSoilLL	5.000000	g	1.000000
280-0016552-021	#21 MB		MB		voaSoilLL	5.000000	g	1.000000
280-0016552-022	#22 280-32357-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-023	#23 280-32357-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-024	#24 280-48142-C-3-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-025	#25 280-48074-F-7-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-026	#26 280-48074-F-8-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-027	#27 280-48074-G-9-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-028	#28 280-48074-F-10-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-029	#29 280-48074-F-11-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-030	#30 280-48074-F-12-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-031	#31 280-48017-A-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-032	#32 280-48017-A-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-033	#33 280-48017-A-6-A		Client		voaSoilLL	5.000000	g	1.000000

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198393 Batch Start Date: 10/29/13 15:00 Batch Analyst: Dukes, Aaron D

Batch Method: 5030B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 280-198393/1		5030B, 8260B/DoD		5 g	5 mL				
LCS 280-198393/2		5030B, 8260B/DoD		5 g	5 mL				
280-48486-A-1	AOI474BF	5030B, 8260B/DoD	T	5.033 g	5 mL				
280-48486-A-1 MS	AOI474BF	5030B, 8260B/DoD	T	4.591 g	5 mL				
280-48486-A-1 MSD	AOI474BF	5030B, 8260B/DoD	T	4.357 g	5 mL				

Batch Notes	
Balance ID	24850252
Blank Soil Lot Number	2BI0314

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Vf-5MS (30.2 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
AOI474BF	280-48486-1	69	71	66	63	68	74
	MB 280-198371/1-A	72	72	69	70	64	80
	LCS 280-198371/2-A	76	75	71	73	85	82
AOI474BF MS	280-48486-1 MS	72	73	68	65	75	76
AOI474BF MSD	280-48486-1 MSD	72	73	69	67	78	78

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2870.D

Lab ID: LCS 280-198371/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2500	1730	69	45-110	
1,2-Dichlorobenzene	2500	1720	69	45-95	
1,2-Diphenylhydrazine	2530	1940	77	54-120	
1,3-Dichlorobenzene	2500	1660	67	40-100	
1,4-Dichlorobenzene	2500	1670	67	35-105	
2,2'-oxybis[1-chloropropane]	2500	1660	66	20-115	
2,4,5-Trichlorophenol	2500	1980	79	50-110	
2,4,6-Trichlorophenol	2500	1920	77	45-110	
2,4-Dichlorophenol	2500	1870	75	45-110	
2,4-Dimethylphenol	2500	1730	69	30-105	
2,4-Dinitrophenol	5000	3400	68	15-130	
2,4-Dinitrotoluene	2500	2090	83	50-115	
2,6-Dinitrotoluene	2500	1980	79	50-110	
2-Chloronaphthalene	2500	1780	71	45-105	
2-Chlorophenol	2500	1820	73	45-105	
2-Methylnaphthalene	2500	1820	73	45-105	
2-Methylphenol	2500	1870	75	40-105	
2-Nitroaniline	2500	1870	75	45-120	
2-Nitrophenol	2500	1820	73	40-110	
3 & 4 Methylphenol	2500	1880	75	40-105	
3,3'-Dichlorobenzidine	2500	1240 J	50	10-130	
3-Nitroaniline	2500	1630	65	25-110	
4,6-Dinitro-2-methylphenol	5000	3700	74	30-135	
4-Bromophenyl phenyl ether	2500	1890	75	45-115	
4-Chloro-3-methylphenol	2500	1980	79	45-115	
4-Chloroaniline	2500	1130	45	10-95	
4-Chlorophenyl phenyl ether	2500	1920	77	45-110	
4-Nitroaniline	2500	1920	77	35-115	
4-Nitrophenol	5000	4320	86	15-140	
Acenaphthene	2500	1840	73	45-110	
Acenaphthylene	2500	1780	71	45-105	
Anthracene	2500	1880	75	55-105	
Benzo[a]anthracene	2500	1920	77	50-110	
Benzo[a]pyrene	2500	1940	77	50-110	
Benzo[b]fluoranthene	2500	1980	79	45-115	
Benzo[g,h,i]perylene	2500	1970	79	40-125	
Benzo[k]fluoranthene	2500	2140	86	45-125	
Benzoic acid	2500	1960	78	10-110	
Benzyl alcohol	2500	1820	73	20-125	
Bis(2-chloroethoxy)methane	2500	1730	69	45-110	
Bis(2-chloroethyl)ether	2500	1750	70	40-105	
Bis(2-ethylhexyl) phthalate	2500	1880	75	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2870.D

Lab ID: LCS 280-198371/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	2500	1910	76	50-125	
Carbazole	2500	1950	78	45-115	
Chrysene	2500	1930	77	55-110	
Dibenz(a,h)anthracene	2500	1960	78	40-125	
Dibenzofuran	2500	1880	75	50-105	
Diethyl phthalate	2500	2010	81	50-115	
Dimethyl phthalate	2500	1990	80	50-110	
Di-n-butyl phthalate	2500	1970	79	55-110	
Di-n-octyl phthalate	2500	1660	66	40-130	
Fluoranthene	2500	1960	78	55-115	
Fluorene	2500	1910	76	50-110	
Hexachlorobenzene	2500	1920	77	45-120	
Hexachlorobutadiene	2500	1740	69	40-115	
Hexachlorocyclopentadiene	2500	1530 J	61	35-123	
Hexachloroethane	2500	1660	67	35-110	
Indeno[1,2,3-cd]pyrene	2500	1740	70	40-120	M
Isophorone	2500	1650	66	45-110	
Naphthalene	2500	1790	72	40-105	
Nitrobenzene	2500	1760	70	40-115	
N-Nitrosodimethylamine	2500	1560	63	20-115	
N-Nitrosodi-n-propylamine	2500	1790	71	40-115	
N-Nitrosodiphenylamine	2500	1960	79	50-115	
Pentachlorophenol	5000	3530	71	25-120	
Phenanthrene	2500	1950	78	50-110	
Phenol	2500	1940	77	40-100	
Pyrene	2500	1980	79	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2880.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2870	36 U	1810	63	45-110	
1,2-Dichlorobenzene	2870	36 U	1860	65	45-95	
1,2-Diphenylhydrazine	2900	36 U	2130	73	54-120	
1,3-Dichlorobenzene	2870	36 U	1810	63	40-100	
1,4-Dichlorobenzene	2870	36 U	1790	62	35-105	
2,2'-oxybis[1-chloropropane]	2870	36 U	2050	71	20-115	
2,4,5-Trichlorophenol	2870	140 U	2090	73	50-110	
2,4,6-Trichlorophenol	2870	71 U	2080	72	45-110	
2,4-Dichlorophenol	2870	71 U	1980	69	45-110	
2,4-Dimethylphenol	2870	140 U	1930	67	30-105	
2,4-Dinitrophenol	5740	720 U	2790	49	15-130	
2,4-Dinitrotoluene	2870	140 U	2130	74	50-115	
2,6-Dinitrotoluene	2870	71 U	2050	71	50-110	
2-Chloronaphthalene	2870	36 U	1860	65	45-105	
2-Chlorophenol	2870	36 U	1940	68	45-105	
2-Methylnaphthalene	2870	36 U	1950	68	45-105	
2-Methylphenol	2870	36 U	2010	70	40-105	
2-Nitroaniline	2870	71 U	2120	74	45-120	
2-Nitrophenol	2870	71 U	1910	66	40-110	
3 & 4 Methylphenol	2870	71 U	2080	73	40-105	
3,3'-Dichlorobenzidine	2870	360 U	1680 J	58	10-130	
3-Nitroaniline	2870	140 U	1870	65	25-110	
4,6-Dinitro-2-methylphenol	5740	710 U	3380	59	30-135	
4-Bromophenyl phenyl ether	2870	36 U	2060	72	45-115	
4-Chloro-3-methylphenol	2870	140 U	2160	75	45-115	
4-Chloroaniline	2870	140 U	1520	53	10-95	
4-Chlorophenyl phenyl ether	2870	71 U	1990	69	45-110	
4-Nitroaniline	2870	140 U	2000	70	35-115	
4-Nitrophenol	5740	360 U	4420	77	15-140	
Acenaphthene	2870	18 U	1920	67	45-110	
Acenaphthylene	2870	36 U	1880	66	45-105	
Anthracene	2870	36 U	2040	71	55-105	
Benzo[a]anthracene	2870	23 J	2080	72	50-110	
Benzo[a]pyrene	2870	22 J	2070	72	50-110	
Benzo[b]fluoranthene	2870	28 J	2140	74	45-115	
Benzo[g,h,i]perylene	2870	36 U	2010	70	40-125	
Benzo[k]fluoranthene	2870	71 U	2120	74	45-125	
Benzoic acid	2870	710 U	1990	69	10-110	
Benzyl alcohol	2870	36 U	2030	71	20-125	
Bis(2-chloroethoxy)methane	2870	71 U	1890	66	45-110	
Bis(2-chloroethyl)ether	2870	36 U	1990	69	40-105	
Bis(2-ethylhexyl) phthalate	2870	71 U	2250	78	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2880.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	2870	71 U	2220	77	50-125	
Carbazole	2870	72 U	2100	73	45-115	
Chrysene	2870	36 U	2080	73	55-110	
Dibenz(a,h)anthracene	2870	36 U	2060	72	40-125	
Dibenzofuran	2870	36 U	1950	68	50-105	
Diethyl phthalate	2870	36 U	2080	72	50-115	
Dimethyl phthalate	2870	100 J	2330	78	50-110	
Di-n-butyl phthalate	2870	36 U	2160	75	55-110	
Di-n-octyl phthalate	2870	71 U	2210	77	40-130	
Fluoranthene	2870	40 J	2150	73	55-115	
Fluorene	2870	36 U	1990	69	50-110	
Hexachlorobenzene	2870	71 U	1980	69	45-120	
Hexachlorobutadiene	2870	71 U	1820	63	40-115	
Hexachlorocyclopentadiene	2870	71 U	1300 J	45	35-123	
Hexachloroethane	2870	36 U	1830	64	35-110	
Indeno[1,2,3-cd]pyrene	2870	36 U	2000	69	40-120	M
Isophorone	2870	36 U	1810	63	45-110	
Naphthalene	2870	71 U	1890	66	40-105	
Nitrobenzene	2870	36 U	1920	67	40-115	
N-Nitrosodimethylamine	2870	71 U	1820	63	20-115	
N-Nitrosodi-n-propylamine	2870	71 U	2020	70	40-115	
N-Nitrosodiphenylamine	2870	36 U	2090	73	50-115	
Pentachlorophenol	5740	720 U	3880	68	25-120	
Phenanthrene	2870	20 J	2100	72	50-110	
Phenol	2870	36 U	2090	73	40-100	
Pyrene	2870	37 J	2160	74	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2881.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2940	1880	64	4	30	45-110	
1,2-Dichlorobenzene	2940	1880	64	1	30	45-95	
1,2-Diphenylhydrazine	2970	2210	74	4	30	54-120	
1,3-Dichlorobenzene	2940	1840	63	2	30	40-100	
1,4-Dichlorobenzene	2940	1830	62	2	30	35-105	
2,2'-oxybis[1-chloropropane]	2940	2080	71	2	30	20-115	
2,4,5-Trichlorophenol	2940	2160	74	4	30	50-110	
2,4,6-Trichlorophenol	2940	2140	73	3	30	45-110	
2,4-Dichlorophenol	2940	2060	70	4	30	45-110	
2,4-Dimethylphenol	2940	1980	68	3	30	30-105	
2,4-Dinitrophenol	5880	3230	55	15	30	15-130	
2,4-Dinitrotoluene	2940	2230	76	5	30	50-115	
2,6-Dinitrotoluene	2940	2120	72	4	30	50-110	
2-Chloronaphthalene	2940	1940	66	4	30	45-105	
2-Chlorophenol	2940	2030	69	4	30	45-105	
2-Methylnaphthalene	2940	1980	67	2	30	45-105	
2-Methylphenol	2940	2080	71	3	30	40-105	
2-Nitroaniline	2940	2260	77	6	30	45-120	
2-Nitrophenol	2940	2030	69	6	30	40-110	
3 & 4 Methylphenol	2940	2080	71	0	30	40-105	
3,3'-Dichlorobenzidine	2940	1810	62	8	30	10-130	
3-Nitroaniline	2940	1970	67	5	30	25-110	
4,6-Dinitro-2-methylphenol	5880	3780	64	11	30	30-135	
4-Bromophenyl phenyl ether	2940	2110	72	3	30	45-115	
4-Chloro-3-methylphenol	2940	2210	75	2	30	45-115	
4-Chloroaniline	2940	1510	51	1	30	10-95	
4-Chlorophenyl phenyl ether	2940	2090	71	5	30	45-110	
4-Nitroaniline	2940	2130	72	6	30	35-115	
4-Nitrophenol	5880	4700	80	6	30	15-140	
Acenaphthene	2940	2000	68	4	30	45-110	
Acenaphthylene	2940	1970	67	4	30	45-105	
Anthracene	2940	2120	72	4	30	55-105	
Benzo[a]anthracene	2940	2200	74	6	30	50-110	
Benzo[a]pyrene	2940	2160	74	4	30	50-110	
Benzo[b]fluoranthene	2940	2190	75	2	30	45-115	
Benzo[g,h,i]perylene	2940	2130	72	6	30	40-125	
Benzo[k]fluoranthene	2940	2250	77	6	30	45-125	
Benzoic acid	2940	2040	69	2	30	10-110	
Benzyl alcohol	2940	2040	70	1	30	20-125	
Bis(2-chloroethoxy)methane	2940	1940	66	3	30	45-110	
Bis(2-chloroethyl)ether	2940	2060	70	4	30	40-105	
Bis(2-ethylhexyl) phthalate	2940	2340	80	4	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2881.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	2940	2310	79	4	30	50-125	
Carbazole	2940	2200	75	4	30	45-115	
Chrysene	2940	2200	75	5	30	55-110	
Dibenz(a,h)anthracene	2940	2170	74	5	30	40-125	
Dibenzofuran	2940	2040	69	4	30	50-105	
Diethyl phthalate	2940	2150	73	3	30	50-115	
Dimethyl phthalate	2940	2380	78	2	30	50-110	
Di-n-butyl phthalate	2940	2240	76	4	30	55-110	
Di-n-octyl phthalate	2940	2320	79	5	30	40-130	
Fluoranthene	2940	2280	76	6	30	55-115	
Fluorene	2940	2060	70	4	30	50-110	
Hexachlorobenzene	2940	2080	71	5	30	45-120	
Hexachlorobutadiene	2940	1870	64	3	30	40-115	
Hexachlorocyclopentadiene	2940	1270 J	43	2	30	35-123	
Hexachloroethane	2940	1840	63	1	30	35-110	
Indeno[1,2,3-cd]pyrene	2940	2120	72	6	30	40-120	M
Isophorone	2940	1860	63	2	30	45-110	
Naphthalene	2940	1920	66	2	30	40-105	
Nitrobenzene	2940	1980	67	3	30	40-115	
N-Nitrosodimethylamine	2940	1870	64	3	30	20-115	
N-Nitrosodi-n-propylamine	2940	2060	70	2	30	40-115	
N-Nitrosodiphenylamine	2940	2190	74	5	30	50-115	
Pentachlorophenol	5880	3980	68	3	30	25-120	
Phenanthrene	2940	2190	74	4	30	50-110	
Phenol	2940	2160	74	4	30	40-100	
Pyrene	2940	2290	77	6	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2868.D Lab Sample ID: MB 280-198371/1-A

Matrix: Solid Date Extracted: 10/29/2013 21:40

Instrument ID: SMS_B2 Date Analyzed: 10/31/2013 13:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-198371/2-A	B2-2870.D	10/31/2013 14:10
AOI474BF	280-48486-1	B2-2879.D	10/31/2013 18:36
AOI474BF MS	280-48486-1 MS	B2-2880.D	10/31/2013 19:06
AOI474BF MSD	280-48486-1 MSD	B2-2881.D	10/31/2013 19:35

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2654.D DFTPP Injection Date: 10/22/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 07:38

Analysis Batch No.: 197081

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	55.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	45.7	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	54.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.6	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	14.9	(84.4)3
442	Greater than 40.0 % of mass 198	92.8	
443	17.0 - 23.0 % of mass 442	17.7	(19.1)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 280-197081/25	B2-2655.D	10/22/2013	07:51
	STD004 280-197081/26	B2-2656.D	10/22/2013	08:21
	STD010 280-197081/27	B2-2657.D	10/22/2013	08:51
	STD020 280-197081/28	B2-2658.D	10/22/2013	09:22
	STD050 280-197081/29	B2-2659.D	10/22/2013	09:52
	STD120 280-197081/30	B2-2660.D	10/22/2013	10:22
	STD160 280-197081/31	B2-2661.D	10/22/2013	10:53
	STD200 280-197081/32	B2-2662.D	10/22/2013	11:23
	ICV 280-197081/33	B2-2663.D	10/22/2013	11:54
	ICV 280-197081/34	B2-2664.D	10/22/2013	12:24
	ICV 280-197081/35	B2-2665.D	10/22/2013	12:55

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2666.D DFTPP Injection Date: 10/22/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 13:21

Analysis Batch No.: 197087

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	51.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.9	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	52.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	15.5	(87.6)3
442	Greater than 40.0 % of mass 198	93.6	
443	17.0 - 23.0 % of mass 442	17.6	(18.9)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD080 280-197087/15	B2-2667.D	10/22/2013	13:34
	STD010 280-197087/16	B2-2668.D	10/22/2013	14:03
	STD020 280-197087/17	B2-2669.D	10/22/2013	14:32
	STD050 280-197087/18	B2-2670.D	10/22/2013	15:01
	STD120 280-197087/19	B2-2671.D	10/22/2013	15:30
	STD160 280-197087/20	B2-2672.D	10/22/2013	15:58
	STD200 280-197087/21	B2-2673.D	10/22/2013	16:27
	ICV 280-197087/22	B2-2674.D	10/22/2013	16:55
	ICV 280-197087/23	B2-2675.D	10/22/2013	17:24
	ICV 280-197087/24	B2-2676.D	10/22/2013	17:52

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2666.D DFTPP Injection Date: 10/22/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 13:21

Analysis Batch No.: 197309

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	51.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.9	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	52.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	15.5	(87.6)3
442	Greater than 40.0 % of mass 198	93.6	
443	17.0 - 23.0 % of mass 442	17.6	(18.9)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD080 280-197309/25	B2-2677.D	10/22/2013	18:21
	STD010 280-197309/26	B2-2678.D	10/22/2013	18:47
	STD020 280-197309/27	B2-2679.D	10/22/2013	19:13
	STD050 280-197309/28	B2-2680.D	10/22/2013	19:39
	STD120 280-197309/29	B2-2681.D	10/22/2013	20:05
	STD160 280-197309/30	B2-2682.D	10/22/2013	20:31
	STD200 280-197309/31	B2-2683.D	10/22/2013	20:57
	ICV 280-197309/32	B2-2684.D	10/22/2013	21:23

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2863.D DFTPP Injection Date: 10/31/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 11:13

Analysis Batch No.: 198682

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	55.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	46.9	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	55.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	26.6	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	12.5	(81.2)3
442	Greater than 40.0 % of mass 198	84.0	
443	17.0 - 23.0 % of mass 442	15.4	(18.4)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-198682/3	B2-2864.D	10/31/2013	11:26
	CCV 280-198682/28	B2-2865.D	10/31/2013	11:56
	CCV 280-198682/29	B2-2866.D	10/31/2013	12:24
	MB 280-198371/1-A	B2-2868.D	10/31/2013	13:15
	LCS 280-198371/2-A	B2-2870.D	10/31/2013	14:10
AOI474BF	280-48486-1	B2-2879.D	10/31/2013	18:36
AOI474BF MS	280-48486-1 MS	B2-2880.D	10/31/2013	19:06
AOI474BF MSD	280-48486-1 MSD	B2-2881.D	10/31/2013	19:35

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-197081/25 Date Analyzed: 10/22/2013 07:51

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): B2-2655.D Heated Purge: (Y/N) N

Calibration ID: 16008

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		222957	4.63	889624	5.88	518932	7.65
UPPER LIMIT		445914	5.13	1779248	6.38	1037864	8.15
LOWER LIMIT		111479	4.13	444812	5.38	259466	7.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-197081/33		242730	4.63	992784	5.88	584910	7.65
ICV 280-197081/34		301070	4.63	1220361	5.88	744363	7.64
ICV 280-197081/35		191070	4.63	759134	5.88	444603	7.64
CCV 280-198682/3		205853	4.61	847486	5.86	504539	7.63
CCV 280-198682/28		231446	4.61	928969	5.86	540652	7.62
CCV 280-198682/29		183786	4.61	742108	5.86	434888	7.62
MB 280-198371/1-A		195942	4.61	780979	5.86	468547	7.62
LCS 280-198371/2-A		191952	4.61	794252	5.86	488518	7.63
280-48486-1	AOI474BF	208130	4.61	841349	5.86	508491	7.62
280-48486-1 MS	AOI474BF MS	216577	4.61	904033	5.86	556966	7.62
280-48486-1 MSD	AOI474BF MSD	214318	4.61	886367	5.86	540217	7.62

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-197081/25 Date Analyzed: 10/22/2013 07:51

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.25) ID: 0.25(mm)

Lab File ID (Standard): B2-2655.D Heated Purge: (Y/N) N

Calibration ID: 16008

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		889421	9.16	1004977	13.43	951072	17.55
UPPER LIMIT		1778842	9.66	2009954	13.93	1902144	18.05
LOWER LIMIT		444711	8.66	502489	12.93	475536	17.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-197081/33		992994	9.15	1089569	13.43	1042327	17.54
ICV 280-197081/34		1280564	9.15	1425687	13.43	1345258	17.54
ICV 280-197081/35		764450	9.15	845139	13.42	818645	17.54
CCV 280-198682/3		850717	9.13	956985	13.40	867542	17.50
CCV 280-198682/28		951690	9.13	1032231	13.39	926419	17.50
CCV 280-198682/29		774417	9.13	820758	13.39	765077	17.49
MB 280-198371/1-A		833715	9.13	896454	13.39	876243	17.50
LCS 280-198371/2-A		861027	9.13	946486	13.39	837139	17.49
280-48486-1	AOI474BF	878365	9.13	971222	13.39	940348	17.49
280-48486-1 MS	AOI474BF MS	952428	9.13	1040403	13.39	977350	17.49
280-48486-1 MSD	AOI474BF MSD	928781	9.13	1018961	13.39	964482	17.49

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: B2-2879.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 18:36

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	180	U	360	180	54
95-94-3	1,2,4,5-Tetrachlorobenzene	72	U	360	72	53
120-82-1	1,2,4-Trichlorobenzene	36	U	360	36	30
95-50-1	1,2-Dichlorobenzene	36	U	360	36	24
122-66-7	1,2-Diphenylhydrazine	36	U	360	36	24
541-73-1	1,3-Dichlorobenzene	36	U	360	36	13
106-46-7	1,4-Dichlorobenzene	36	U	360	36	15
108-60-1	2,2'-oxybis[1-chloropropane]	36	U	360	36	25
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	1700	180	150
95-95-4	2,4,5-Trichlorophenol	140	U	360	140	11
88-06-2	2,4,6-Trichlorophenol	71	U	360	71	11
120-83-2	2,4-Dichlorophenol	71	U	360	71	11
105-67-9	2,4-Dimethylphenol	140	U	360	140	71
51-28-5	2,4-Dinitrophenol	720	U	1700	720	360
121-14-2	2,4-Dinitrotoluene	140	U	360	140	71
87-65-0	2,6-Dichlorophenol	140	U	360	140	74
606-20-2	2,6-Dinitrotoluene	71	U	360	71	30
91-58-7	2-Chloronaphthalene	36	U	360	36	11
95-57-8	2-Chlorophenol	36	U	360	36	23
91-57-6	2-Methylnaphthalene	36	U	360	36	20
95-48-7	2-Methylphenol	36	U	360	36	14
88-74-4	2-Nitroaniline	71	U	1700	71	54
88-75-5	2-Nitrophenol	71	U	360	71	11
15831-10-4	3 & 4 Methylphenol	71	U	360	71	36
91-94-1	3,3'-Dichlorobenzidine	360	U	1700	360	97
99-09-2	3-Nitroaniline	140	U	1700	140	79
534-52-1	4,6-Dinitro-2-methylphenol	710	U	1700	710	360
101-55-3	4-Bromophenyl phenyl ether	36	U	360	36	20
59-50-7	4-Chloro-3-methylphenol	140	U	360	140	71
106-47-8	4-Chloroaniline	140	U	360	140	88
7005-72-3	4-Chlorophenyl phenyl ether	71	U	360	71	23
100-01-6	4-Nitroaniline	140	U	1700	140	78
100-02-7	4-Nitrophenol	360	U	1700	360	100
83-32-9	Acenaphthene	18	U	360	18	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: B2-2879.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 18:36

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	36	U	360	36	18
98-86-2	Acetophenone	36	U	360	36	22
120-12-7	Anthracene	36	U	360	36	18
1912-24-9	Atrazine	140	U	360	140	40
100-52-7	Benzaldehyde	72	U	360	72	42
92-87-5	Benzidine	4300	U	4300	4300	1100
56-55-3	Benzo[a]anthracene	23	J	360	36	22
50-32-8	Benzo[a]pyrene	22	J	360	36	22
205-99-2	Benzo[b]fluoranthene	28	J K	360	36	28
191-24-2	Benzo[g,h,i]perylene	36	U	360	36	17
207-08-9	Benzo[k]fluoranthene	71	U K	360	71	43
65-85-0	Benzoic acid	710	U	1700	710	360
100-51-6	Benzyl alcohol	36	U	360	36	11
111-91-1	Bis(2-chloroethoxy)methane	71	U	360	71	25
111-44-4	Bis(2-chloroethyl)ether	36	U	360	36	18
117-81-7	Bis(2-ethylhexyl) phthalate	71	U	360	71	50
85-68-7	Butyl benzyl phthalate	71	U	360	71	46
105-60-2	Caprolactam	360	U	1700	360	110
86-74-8	Carbazole	72	U	360	72	39
218-01-9	Chrysene	36	U	360	36	29
53-70-3	Dibenz(a,h)anthracene	36	U	360	36	20
132-64-9	Dibenzofuran	36	U	360	36	22
84-66-2	Diethyl phthalate	36	U	710	36	28
131-11-3	Dimethyl phthalate	100	J	360	36	25
84-74-2	Di-n-butyl phthalate	36	U	360	36	31
117-84-0	Di-n-octyl phthalate	71	U	360	71	16
206-44-0	Fluoranthene	40	J	360	71	39
86-73-7	Fluorene	36	U	360	36	19
118-74-1	Hexachlorobenzene	71	U	360	71	31
87-68-3	Hexachlorobutadiene	71	U	360	71	11
77-47-4	Hexachlorocyclopentadiene	71	U	1800	71	54
67-72-1	Hexachloroethane	36	U	360	36	23
193-39-5	Indeno[1,2,3-cd]pyrene	36	U	360	36	24
78-59-1	Isophorone	36	U	360	36	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: B2-2879.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 18:36

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	71	U	360	71	33
98-95-3	Nitrobenzene	36	U	360	36	24
62-75-9	N-Nitrosodimethylamine	71	U	560	71	40
621-64-7	N-Nitrosodi-n-propylamine	71	U	360	71	33
86-30-6	N-Nitrosodiphenylamine	36	U	360	36	23
930-55-2	N-Nitrosopyrrolidine	140	U	360	140	69
87-86-5	Pentachlorophenol	720	U	1700	720	360
85-01-8	Phenanthrene	20	J	360	36	18
108-95-2	Phenol	36	U	360	36	19
129-00-0	Pyrene	37	J	430	36	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		35-125
321-60-8	2-Fluorobiphenyl	63		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		35-100
4165-62-2	Phenol-d5 (Surr)	71		40-100
1718-51-0	Terphenyl-d14 (Surr)	74		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D
Lims ID: 280-48486-B-1-A
Client ID: AOI474BF
Inject. Date: 31-Oct-2013 18:36:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 280-48486-B-1-A
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 16
Lims Batch ID: 198682
Lims Sample ID: 41
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07
Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld
Date: 01-Nov-2013 09:44:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.607	4.609	-0.002	91	208130	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	841349	40.0	
* 3 Acenaphthene-d10	164	7.621	7.623	-0.002	99	508491	40.0	
* 4 Phenanthrene-d10	188	9.131	9.133	-0.002	99	878365	40.0	
* 5 Chrysene-d12	240	13.385	13.387	-0.002	77	971222	40.0	
* 6 Perylene-d12	264	17.486	17.506	-0.020	95	940348	40.0	
$ 7 2-Fluorophenol	112	3.403	3.404	-0.001	96	504993	69.1	
$ 8 Phenol-d5	99	4.266	4.261	0.005	99	671954	71.0	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	95	540572	66.0	
$ 10 2,4,6-Trichlorophenol-d2	198		6.858					
$ 11 2-Fluorobiphenyl	172	6.922	6.923	-0.001	82	1052305	62.8	
$ 12 2,4,6-Tribromophenol	330	8.426	8.433	-0.007	94	161682	67.6	
$ 13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1428149	74.0	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		1.693					
18 2-Ethoxyethanol	59		1.899					
19 1,4-Dioxane	88		1.899					
20 N-Nitrosodimethylamine	74		2.176					
21 Pyridine	79		2.217					
22 Dimethylformamide	73		2.533					
23 2-Picoline	93		2.862					
24 N-Nitrosomethylethylamine	88		2.962					
25 Acrylamide	71		3.214					
26 Methyl methanesulfonate	80		3.238					
27 N-Nitrosodiethylamine	102		3.596					
28 Pentachlorophenol_T	266		3.757					
29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94		4.279					
33 Phenylmercaptan	110		4.261					
34 Aniline	93		4.302					
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93		4.338					
37 Pentachloroethane	117		4.348					
38 n-Decane	43		4.396					
39 2-Chlorophenol	128		4.420					
40 1,3-Dichlorobenzene	146		4.555					
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146		4.626					
43 Benzyl alcohol	108		4.737					9
44 1,2-Dichlorobenzene	146		4.778					
45 2-Methylphenol	108		4.843					9
46 2,2'-oxybis[1-chloropropane]	45		4.843					9
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108		4.990					
50 3-Methylphenol	108		4.990					
51 4-Methylphenol	108		4.990					
52 N-Nitrosodi-n-propylamine	70		4.972					
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105		4.990					
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117		5.102					
59 Nitrobenzene	77		5.172					9
60 Triethyl phosphate	99		5.254					
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82		5.384					9
64 2-Nitrophenol	139		5.478					
65 2,4-Dimethylphenol	107		5.507					
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105		5.619					
69 Bis(2-chloroethoxy)methane	93		5.583					
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					
74 2,4-Dichlorophenol	162		5.724					
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180		5.795					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					
79 Naphthalene	128		5.883					
80 4-Chloroaniline	127		5.936					
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225		5.977					
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					
86 Caprolactam	55		6.277					9
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107		6.418					
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142		6.565					
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142		6.670					
97 Hexachlorocyclopentadiene	237		6.711					
98 1,2,4,5-Tetrachlorobenzene	216		6.735					
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196		6.852					
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196		6.911					
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154		7.029					
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					
106 2-Chloronaphthalene	162		7.064					
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65		7.176					9
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	99	45649	2.83	
112 1,3-Dinitrobenzene	168		7.381					
113 2,6-Dinitrotoluene	165		7.405					
114 Acenaphthylene	152		7.487					
115 3-Nitroaniline	138		7.593					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					
117 Acenaphthene	153		7.657					9
118 2,4-Dinitrophenol	184		7.693					
119 4-Nitrophenol	109		7.787					9
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165		7.810					
123 Dibenzofuran	168		7.834					9
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232		7.957					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57		7.986					
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149		8.022					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204		8.157					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.180					9
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138		8.216					
139 4,6-Dinitro-2-methylphenol	198		8.227					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169		8.280					
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77		8.321					9
144 Azobenzene	77		8.321					
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330		8.433					
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248		8.656					
157 Hexachlorobenzene	284		8.733					
158 Dimethoate	87		8.755					
159 Atrazine	200		8.797					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					
161 n-Octadecane	85		8.909					
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266		8.944					
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					
167 Dinoseb	211		9.090					
168 Phenanthrene	178	9.155	9.161	-0.006	93	13776	0.5526	
169 Anthracene	178		9.208					
170 Carbazole	167		9.379					
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149		9.673					9
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202	10.571	10.577	-0.006	97	29960	1.11	
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		10.777					
182 Pyrene	202	10.929	10.936	-0.007	96	28992	1.04	
183 Aramite Peak 1	185		11.052					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.052					
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149		13.380					
196 4,4'-Methylene bis(2-chloroanili	231		13.344					
197 3,3'-Dichlorobenzidine	252		13.345					
198 Benzo[a]anthracene	228	13.362	13.368	-0.006	74	16847	0.6384	
199 Chrysene	228	13.450	13.462	-0.012	87	13953	0.5561	
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149		15.243					9
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252	16.340	16.353	-0.013	87	20222	0.7772	
204 Benzo[k]fluoranthene	252		16.429					
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					
207 Benzo[a]pyrene	252	17.304	17.328	-0.024	89	15755	0.6054	
208 Perylene	252		17.610					
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278		20.771					
214 Indeno[1,2,3-cd]pyrene	276		20.689					9
215 Benzo[g,h,i]perylene	276		21.459					
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108		15.496					7
S 218 Methyl Phenols,Total	108		15.496					7
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

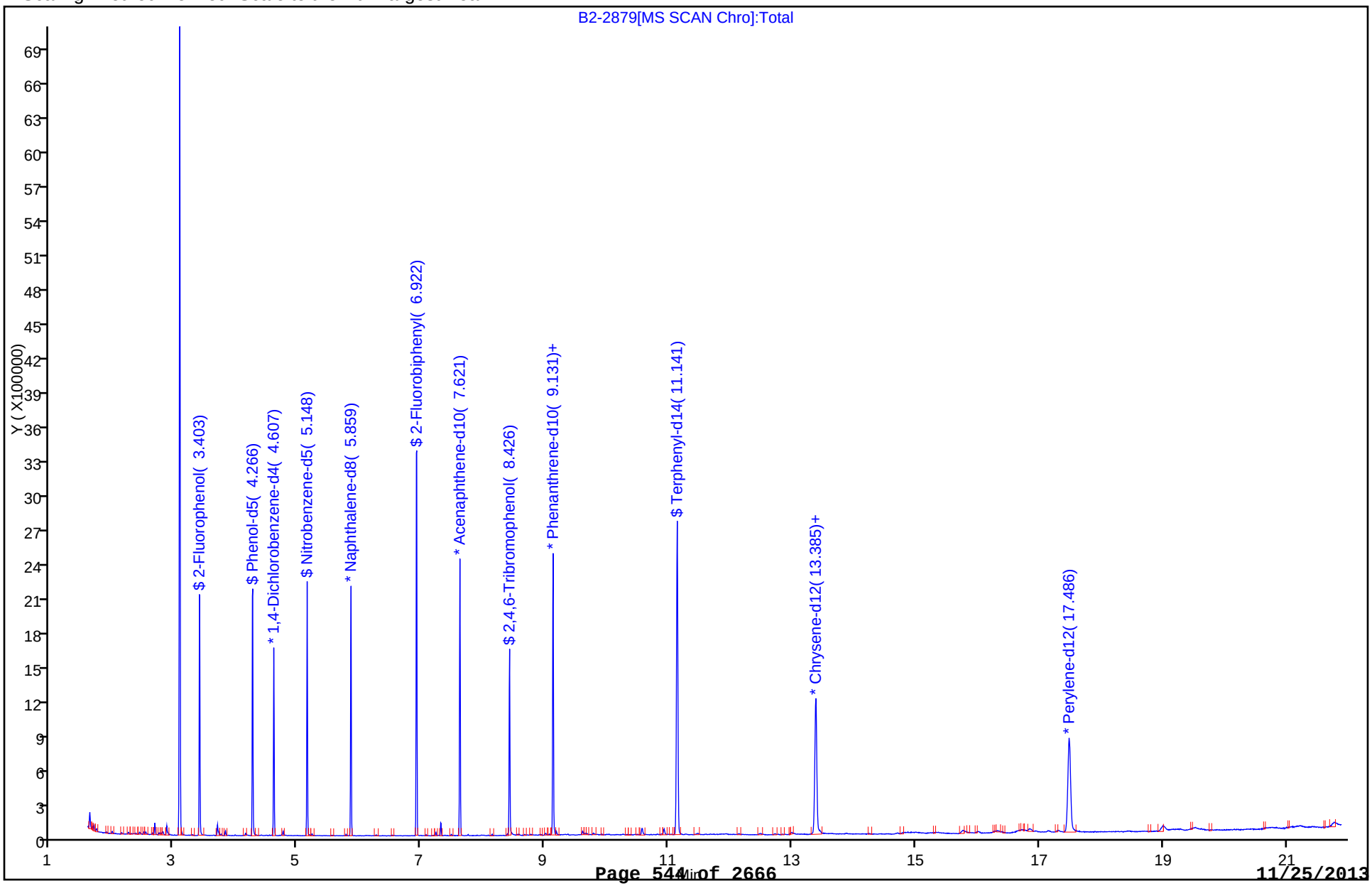
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TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

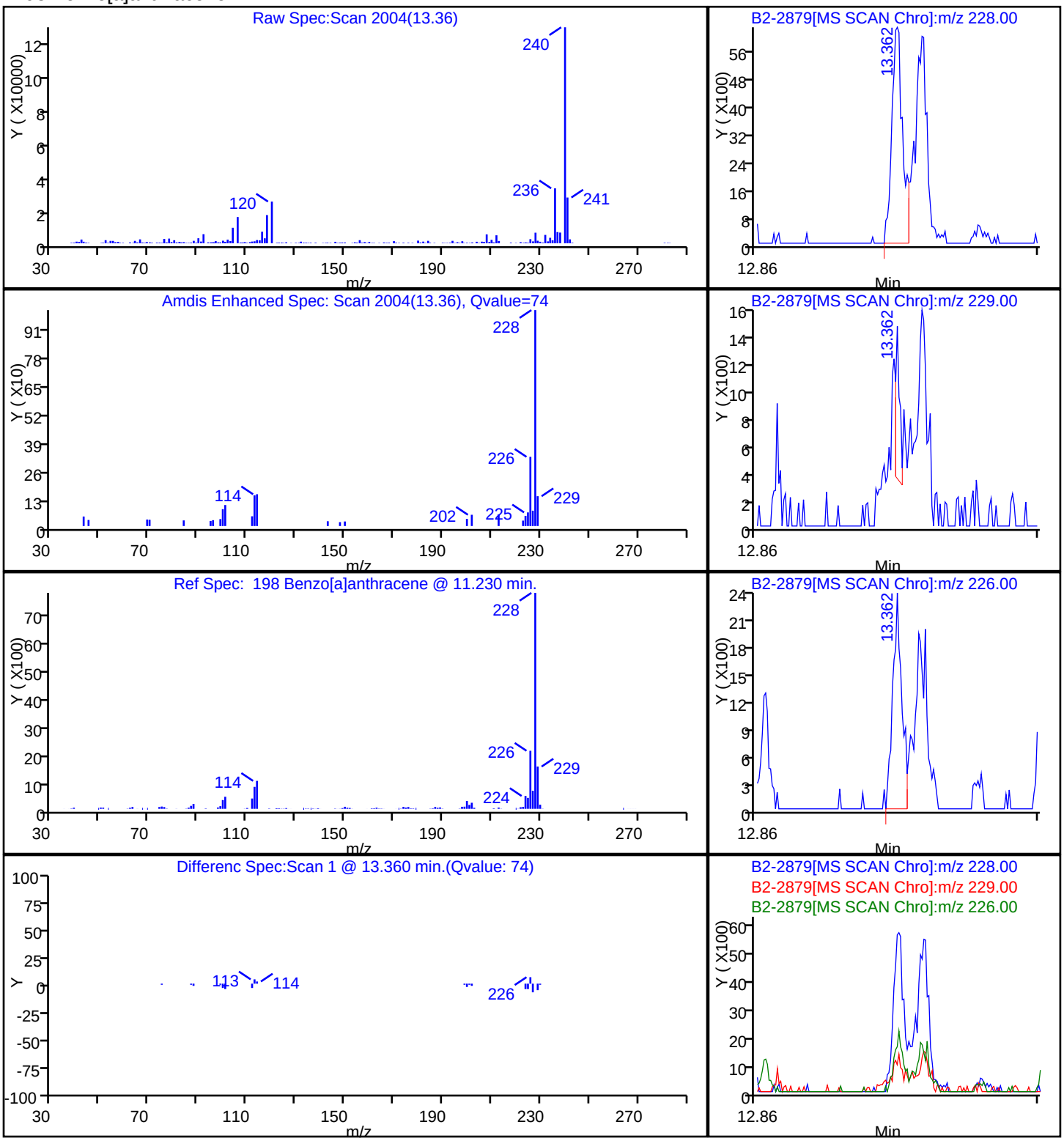
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D		
Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

198 Benzo[a]anthracene



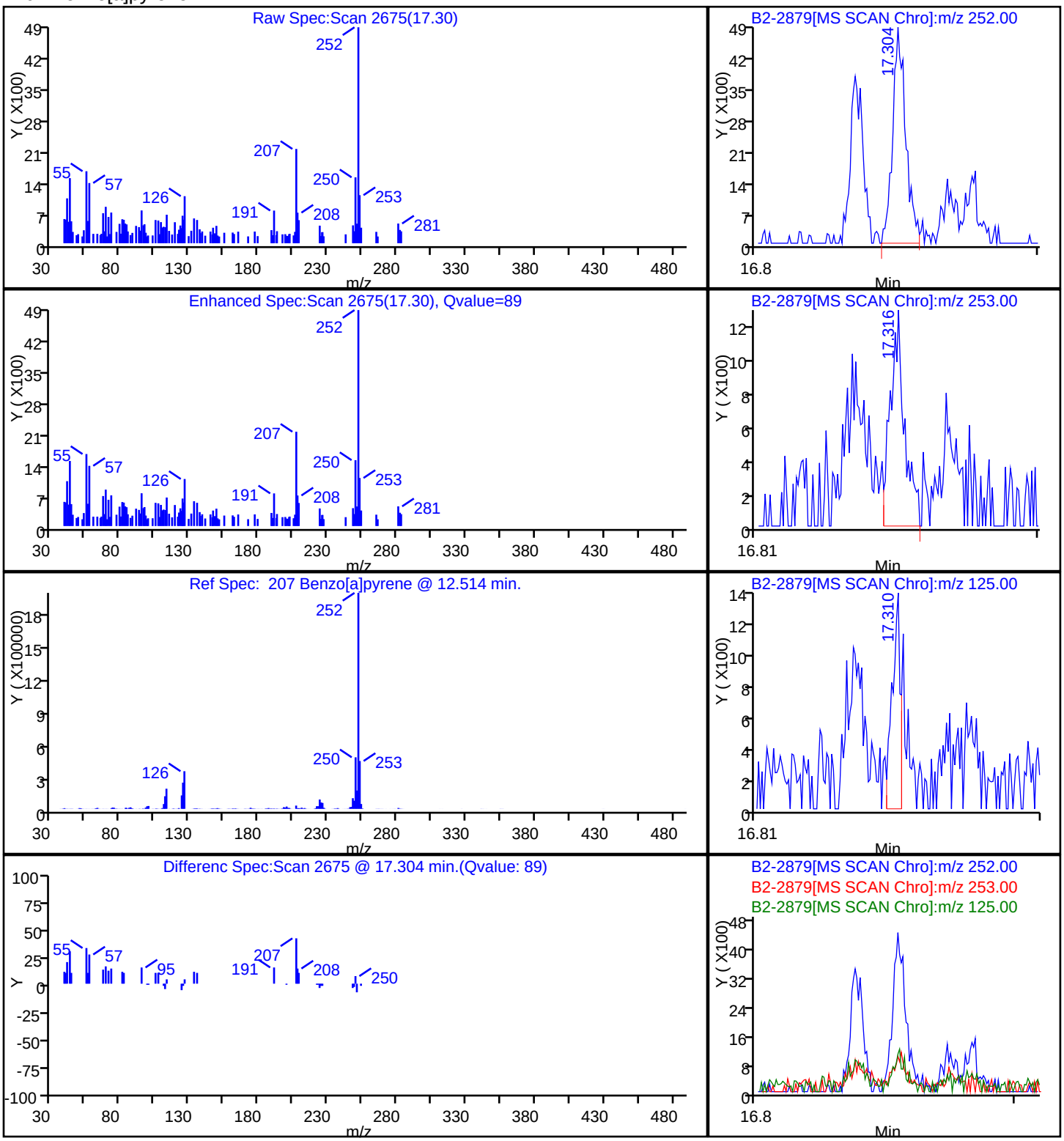
Report Date: 01-Nov-2013 09:55:16 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

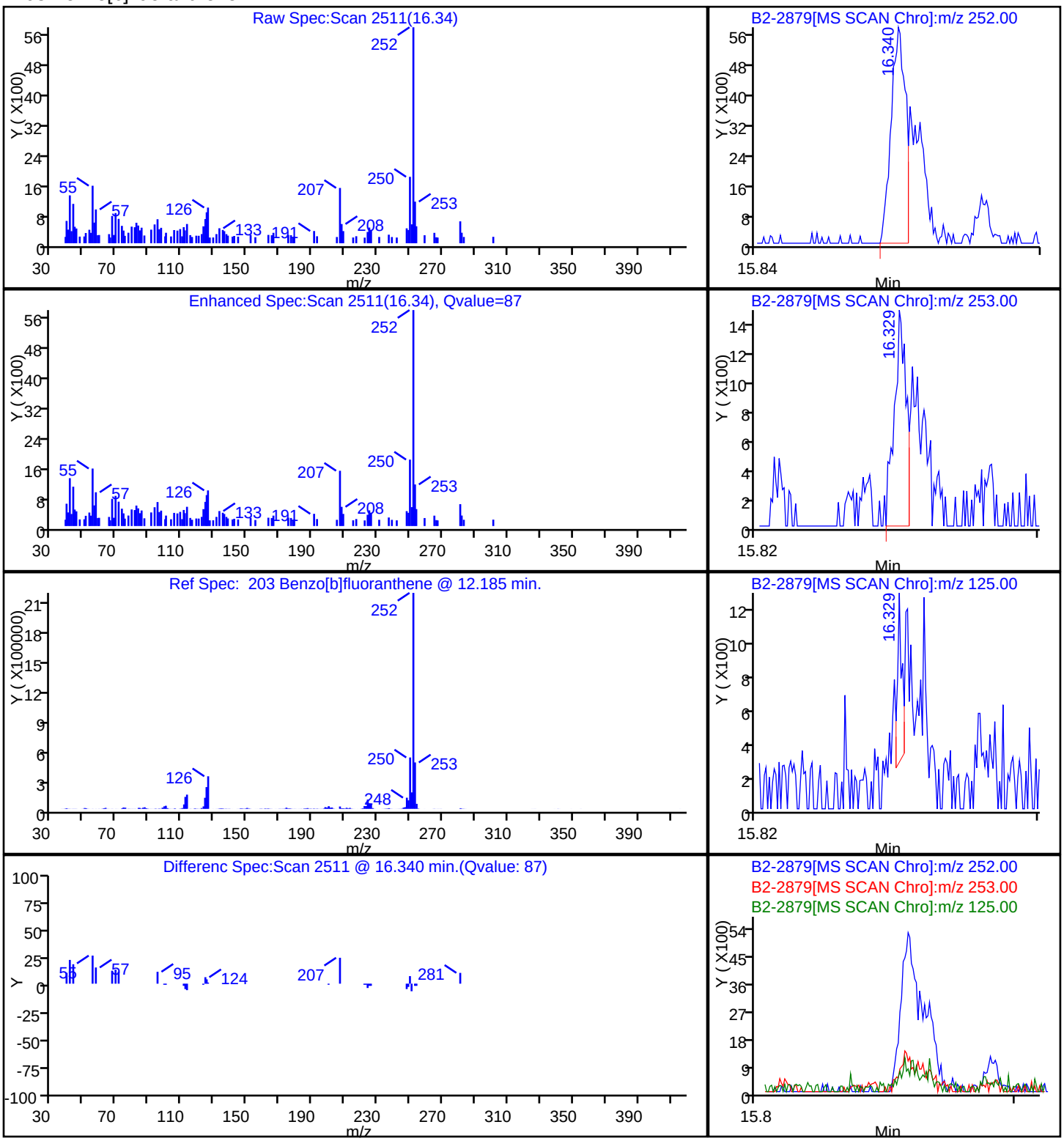
207 Benzo[a]pyrene



TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D		
Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

203 Benzo[b]fluoranthene



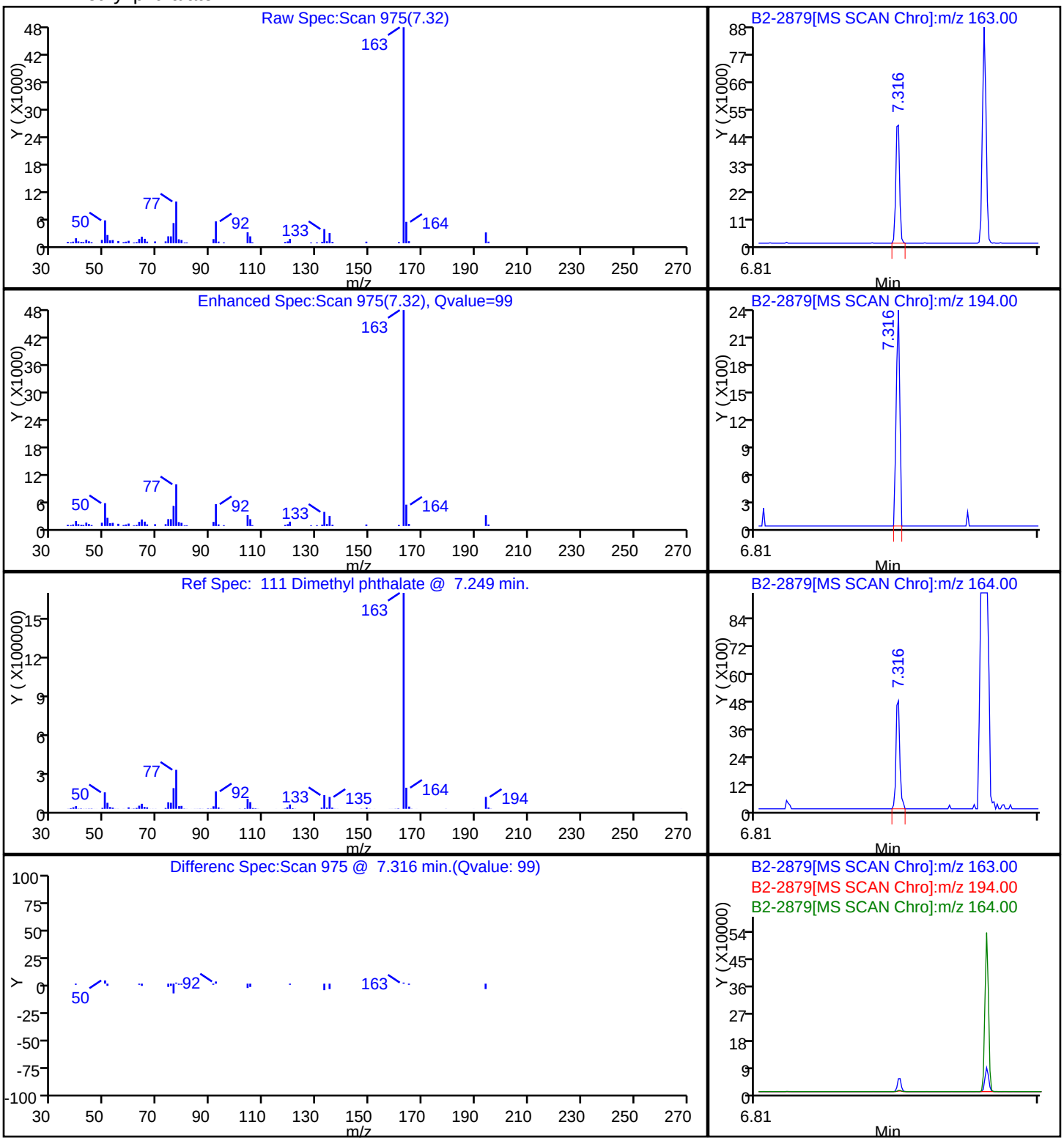
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TestAmerica Denver

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Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

111 Dimethyl phthalate



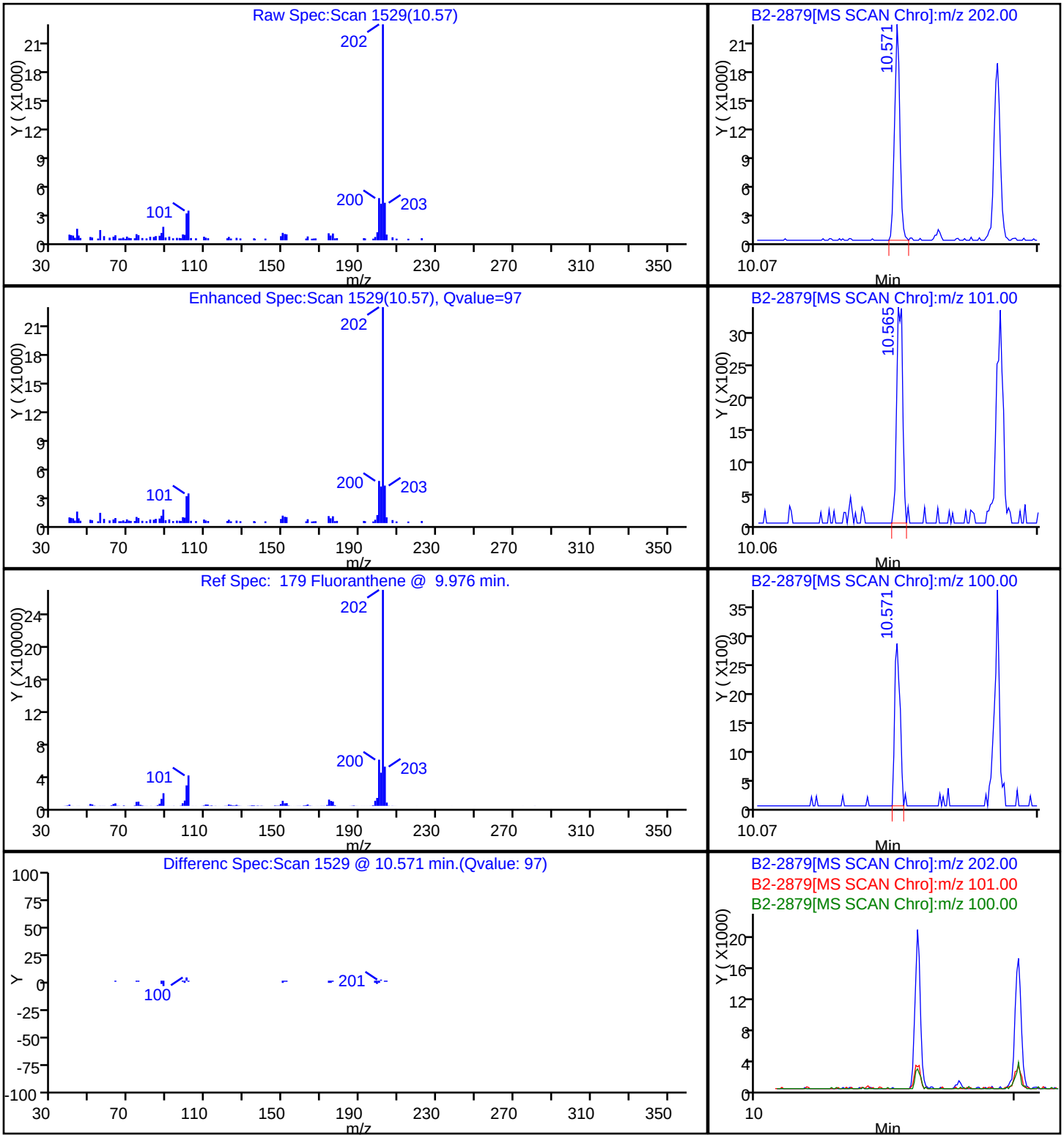
Report Date: 01-Nov-2013 09:55:16 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

179 Fluoranthene



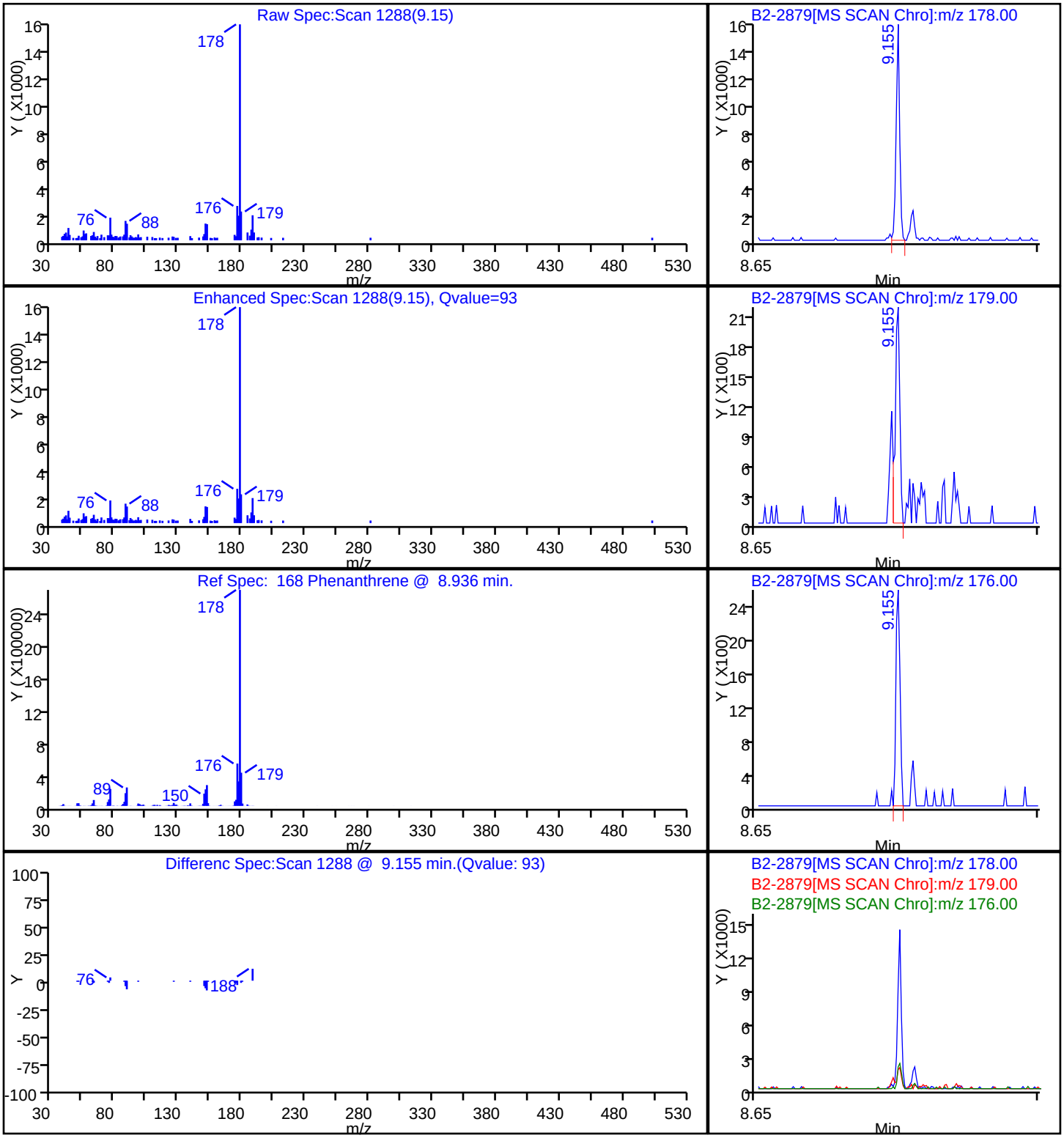
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TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

168 Phenanthrene



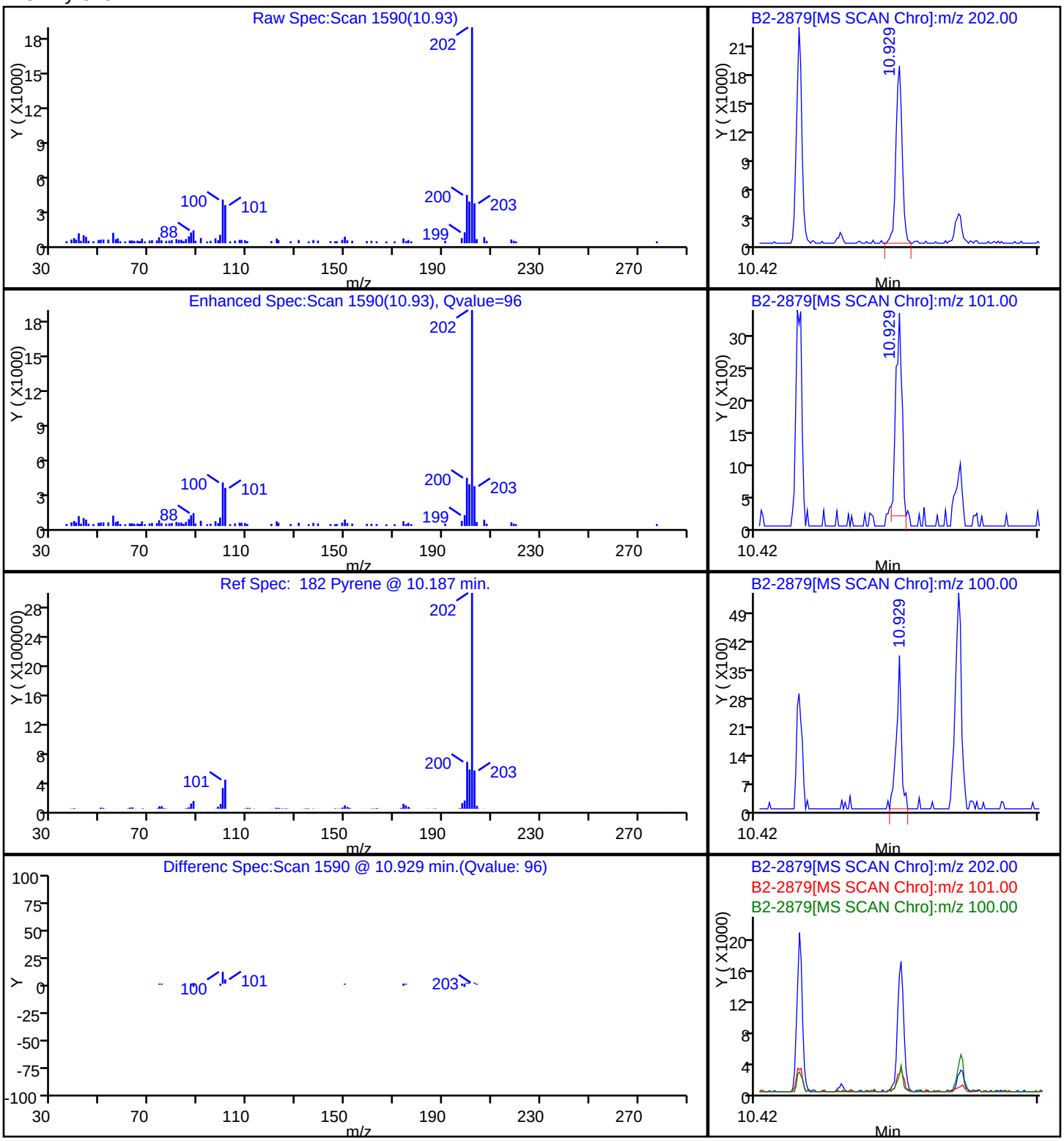
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TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

182 Pyrene



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-197081/26	B2-2656.D
Level 2	STD010 280-197081/27	B2-2657.D
Level 3	STD020 280-197081/28	B2-2658.D
Level 4	STD050 280-197081/29	B2-2659.D
Level 5	ICIS 280-197081/25	B2-2655.D
Level 6	STD120 280-197081/30	B2-2660.D
Level 7	STD160 280-197081/31	B2-2661.D
Level 8	STD200 280-197081/32	B2-2662.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6313 0.5708	0.6234 0.5762	0.6103 0.5680	0.5920	0.5916	Ave		0.5955				4.0		15.0			
N-Nitrosodimethylamine	0.9994 0.9123	0.9344 0.9101	0.9306 0.9104	0.9494	0.9315	Ave		0.9348				3.2		15.0			
Pyridine	1.7680 1.6075	1.5973 1.6336	1.6463 1.6039	1.6707	1.6482	Ave		1.6469				3.3		15.0			
Phenol	2.0709 1.8014	1.9085 1.8485	1.8726 1.7855	1.8873	1.8538	Ave		1.8786				4.7		15.0			
Aniline	2.5008 2.2520	2.3594 2.2971	2.3470 2.2070	2.3494	2.3002	Ave		2.3266				3.8		15.0			
Bis(2-chloroethyl)ether	1.5650 1.3446	1.4299 1.3785	1.4490 1.3307	1.4607	1.3802	Ave		1.4173				5.4		15.0			
2-Chlorophenol	1.5776 1.4574	1.5075 1.4814	1.5038 1.4343	1.4994	1.4656	Ave		1.4909				2.9		15.0			
1,3-Dichlorobenzene	1.7414 1.5247	1.6077 1.5514	1.6078 1.4978	1.5967	1.5626	Ave		1.5863				4.7		15.0			
1,4-Dichlorobenzene	1.8269 1.5652	1.6801 1.5909	1.6609 1.5339	1.6248	1.5826	Ave		1.6332				5.6		15.0			
Benzyl alcohol	0.9513 0.9474	0.9602 0.9737	0.9360 0.9305	0.9714	0.9353	Ave		0.9507				1.7		15.0			
1,2-Dichlorobenzene	1.6856 1.5048	1.5423 1.5223	1.5404 1.4671	1.5535	1.5010	Ave		1.5396				4.2		15.0			
2-Methylphenol	1.3981 1.3125	1.3587 1.3513	1.3754 1.2835	1.3640	1.3509	Ave		1.3493				2.7		15.0			
2,2'-oxybis[1-chloropropane]	2.2241 1.8758	2.0719 1.8575	2.0526 1.7761	2.0081	1.9831	Ave		1.9811				7.2		15.0			
N-Nitrosodi-n-propylamine	1.0979 1.0336	1.0523 1.0305	1.0574 0.9854	1.0691	1.0340	Ave		1.0450			0.0500	3.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3 & 4 Methylphenol	1.5335 1.3831	1.4466 1.3879	1.4548 1.3401	1.4347	1.4060	Ave		1.4233				4.1		15.0			
4-Methylphenol	1.5335 1.3831	1.4466 1.3879	1.4548 1.3401	1.4347	1.4060	Ave		1.4233				4.1		15.0			
Acetophenone	2.0741 1.9216	2.0280 1.9434	2.0134 1.8506	2.0278	1.9382	Ave		1.9746				3.7		15.0			
Hexachloroethane	0.6282 0.5841	0.5682 0.5937	0.5856 0.5765	0.5943	0.5853	Ave		0.5895				3.0		15.0			
Nitrobenzene	0.4142 0.3722	0.3898 0.3802	0.3805 0.3733	0.3981	0.3838	Ave		0.3865				3.6		15.0			
Isophorone	0.7048 0.6604	0.6946 0.6703	0.6839 0.6508	0.6955	0.6767	Ave		0.6796				2.7		15.0			
2-Nitrophenol	0.1737 0.1966	0.1764 0.2048	0.1852 0.2009	0.1971	0.1946	Ave		0.1912				6.0		15.0			
2,4-Dimethylphenol	0.3750 0.3409	0.3604 0.3545	0.3579 0.3421	0.3644	0.3489	Ave		0.3555				3.2		15.0			
Bis(2-chloroethoxy)methane	0.4598 0.4034	0.4307 0.4106	0.4318 0.4004	0.4329	0.4189	Ave		0.4236				4.6		15.0			
Benzoic acid	+++++ 0.2456	0.1299 0.2585	0.1618 0.2568	0.2025	0.2266	Lin2	-2.682	0.2504							0.9930		0.9900
2,4-Dichlorophenol	0.3067 0.2936	0.2914 0.3009	0.3023 0.2937	0.3033	0.2987	Ave		0.2988				1.8		15.0			
1,2,4-Trichlorobenzene	0.3683 0.3119	0.3351 0.3229	0.3337 0.3148	0.3296	0.3186	Ave		0.3294				5.4		15.0			
Naphthalene	1.1487 0.9895	1.0603 1.0102	1.0581 0.9731	1.0618	1.0388	Ave		1.0426				5.2		15.0			
4-Chloroaniline	0.5084 0.4619	0.4700 0.4736	0.4753 0.4555	0.4810	0.4716	Ave		0.4746				3.3		15.0			
Hexachlorobutadiene	0.1813 0.1655	0.1724 0.1734	0.1750 0.1693	0.1748	0.1674	Ave		0.1724				2.9		15.0			
Caprolactam	0.2036 0.2033	0.1934 0.2069	0.2005 0.2021	0.2071	0.2094	Ave		0.2033				2.4		15.0			
4-Chloro-3-methylphenol	0.3066 0.2983	0.2986 0.3096	0.3069 0.3010	0.3191	0.3042	Ave		0.3055				2.2		15.0			
2-Methylnaphthalene	0.7536 0.6930	0.7220 0.7109	0.7318 0.6822	0.7363	0.7091	Ave		0.7174				3.3		15.0			
1-Methylnaphthalene	0.7221 0.6541	0.6789 0.6604	0.6844 0.6439	0.6930	0.6701	Ave		0.6759				3.7		15.0			
Hexachlorocyclopentadiene	+++++ 0.2687	0.1241 0.3007	0.1634 0.3033	0.2279	0.2458	Lin1	-2.370	0.3018			0.0500				0.9940		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.3446 0.3074	0.3121 0.3165	0.3125 0.3100	0.3182	0.3136	Ave		0.3169				3.7		15.0			
2,4,6-Trichlorophenol	0.3289 0.3461	0.3272 0.3582	0.3330 0.3515	0.3538	0.3508	Ave		0.3437				3.5		15.0			
2,4,5-Trichlorophenol	0.3340 0.3813	0.3464 0.3913	0.3658 0.3897	0.3784	0.3836	Ave		0.3713				5.6		15.0			
1,1'-Biphenyl	1.6335 1.4111	1.4835 1.4169	1.4985 1.3790	1.4656	1.4554	Ave		1.4679				5.3		15.0			
2-Chloronaphthalene	1.2703 1.0996	1.1541 1.1336	1.1663 1.0976	1.1715	1.1369	Ave		1.1537				4.7		15.0			
2-Nitroaniline	0.3662 0.4015	0.3845 0.4123	0.3970 0.3970	0.4158	0.4113	Ave		0.3982				4.1		15.0			
Dimethyl phthalate	1.3433 1.2462	1.2604 1.2578	1.2697 1.2250	1.2895	1.2591	Ave		1.2689				2.8		15.0			
1,3-Dinitrobenzene	0.1723 0.2293	0.1783 0.2375	0.1984 0.2333	0.2252	0.2241	Ave		0.2123				12.0		15.0			
2,6-Dinitrotoluene	0.3014 0.3060	0.2879 0.3185	0.2954 0.3024	0.3105	0.3051	Ave		0.3034				3.0		15.0			
Acenaphthylene	1.9713 1.8024	1.8289 1.8254	1.9107 1.7660	1.8892	1.8533	Ave		1.8559				3.5		15.0			
3-Nitroaniline	0.3538 0.3738	0.3404 0.3855	0.3640 0.3756	0.3843	0.3769	Ave		0.3693				4.2		15.0			
Acenaphthene	1.2998 1.1462	1.2275 1.1742	1.2080 1.1410	1.2095	1.1867	Ave		1.1991				4.2		15.0			
2,4-Dinitrophenol	+++++ 0.1667	0.0446 0.1852	0.0710 0.1855	0.1274	0.1553	Lin1	-3.808	0.1886			0.0500				0.9940		0.9900
4-Nitrophenol	0.1467 0.1814	0.1514 0.1884	0.1633 0.1846	0.1821	0.1846	Ave		0.1728			0.0500	9.6		15.0			
2,4-Dinitrotoluene	0.3399 0.4174	0.3728 0.4196	0.3933 0.4073	0.4159	0.4086	Ave		0.3969				7.0		15.0			
Dibenzofuran	1.8677 1.5471	1.6800 1.5864	1.6670 1.5229	1.6462	1.6179	Ave		1.6419				6.5		15.0			
2,3,4,6-Tetrachlorophenol	0.2406 0.3073	0.2562 0.3203	0.2779 0.3124	0.2873	0.3048	Ave		0.2884				9.9		15.0			
Diethyl phthalate	1.3467 1.2274	1.2647 1.2502	1.2830 1.2128	1.2833	1.2654	Ave		1.2667				3.2		15.0			
4-Chlorophenyl phenyl ether	0.6692 0.5925	0.6052 0.6121	0.5999 0.5880	0.6120	0.6032	Ave		0.6103				4.1		15.0			
Fluorene	1.5053 1.3062	1.3731 1.3365	1.3961 1.3135	1.3838	1.3515	Ave		1.3708				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Nitroaniline	0.3237 0.3696	0.3519 0.3774	0.3731 0.3706	0.3845	0.3759	Ave		0.3658				5.3		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1394	0.0891 0.1440	0.1050 0.1425	0.1284	0.1337	Lin2	-1.166	0.1429							0.9980		0.9900
N-Nitrosodiphenylamine	0.5982 0.5636	0.5986 0.5795	0.5908 0.5625	0.5871	0.5747	Ave		0.5819				2.4		15.0			
1,2-Diphenylhydrazine	1.4201 1.3144	1.3567 1.3458	1.3942 1.2934	1.4021	1.3664	Ave		1.3616				3.2		15.0			
Azobenzene	1.4357 1.3288	1.3716 1.3606	1.4095 1.3076	1.4175	1.3814	Ave		1.3766				3.2		15.0			
4-Bromophenyl phenyl ether	0.2234 0.2116	0.2189 0.2218	0.2110 0.2126	0.2185	0.2137	Ave		0.2164				2.2		15.0			
Hexachlorobenzene	0.2763 0.2491	0.2535 0.2618	0.2491 0.2519	0.2573	0.2482	Ave		0.2559				3.7		15.0			
Atrazine	0.1828 0.1789	0.1781 0.1885	0.1867 0.1759	0.1897	0.1826	Ave		0.1829				2.8		15.0			
Pentachlorophenol	+++++ 0.1406	0.0783 0.1508	0.0937 0.1468	0.1208	0.1316	Lin2	-1.490	0.1447							0.9940		0.9900
Phenanthrene	1.2185 1.0912	1.1682 1.1113	1.1384 1.0666	1.1571	1.1308	Ave		1.1353				4.2		15.0			
Anthracene	1.2308 1.1293	1.1946 1.1418	1.1951 1.0942	1.1900	1.1613	Ave		1.1671				3.8		15.0			
Carbazole	1.1940 1.0968	1.1530 1.1095	1.1711 1.0686	1.1721	1.1255	Ave		1.1363				3.8		15.0			
Alachlor	0.1282 0.1429	0.1321 0.1447	0.1399 0.1417	0.1477	0.1444	Ave		0.1402				4.8		15.0			
Di-n-butyl phthalate	1.2278 1.2338	1.2412 1.2536	1.2587 1.2008	1.2904	1.2539	Ave		1.2450				2.1		15.0			
Fluoranthene	1.2767 1.2061	1.2098 1.2408	1.2382 1.2030	1.2556	1.2324	Ave		1.2328				2.1		15.0			
Benzidine	0.5470 0.6327	0.6014 0.6481	0.6580 0.6173	0.6922	0.6239	Ave		0.6276				6.8		15.0			
Pyrene	1.1746 1.1263	1.1255 1.1683	1.1446 1.1137	1.1731	1.1269	Ave		1.1441				2.2		15.0			
Famphur	0.3370 0.3423	0.3573 0.3427	0.3812 0.3226	0.3942	0.3564	Ave		0.3542				6.7		15.0			
Butyl benzyl phthalate	0.4336 0.5107	0.4628 0.5321	0.4893 0.5149	0.5253	0.5088	Ave		0.4972				6.8		15.0			
3,3'-Dichlorobenzidine	0.3668 0.4227	0.3777 0.4422	0.4092 0.4278	0.4327	0.4162	Ave		0.4119				6.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzo[a]anthracene	1.1151 1.0635	1.0569 1.1094	1.0939 1.0744	1.1043	1.0772	Ave		1.0868				2.0		15.0			
Bis(2-ethylhexyl) phthalate	0.5876 0.6824	0.6097 0.7183	0.6483 0.6842	0.7060	0.6747	Ave		0.6639				6.9		15.0			
Chrysene	1.0753 1.0056	1.0352 1.0465	1.0373 1.0082	1.0480	1.0106	Ave		1.0333				2.3		15.0			
Di-n-octyl phthalate	0.7349 1.1327	0.8700 1.1994	0.9761 1.1817	1.1107	1.1145	Lin2	-1.828	1.1433							0.9970		0.9900
Benzo[b]fluoranthene	1.0762 1.1133	1.0297 1.1487	1.0987 1.1412	1.1280	1.1187	Ave		1.1068				3.5		15.0			
Benzo[k]fluoranthene	1.1162 1.1853	1.1304 1.2221	1.1401 1.1847	1.2086	1.1893	Ave		1.1721				3.3		15.0			
Benzo[a]pyrene	1.0217 1.1252	1.0644 1.1583	1.0818 1.1472	1.1351	1.1220	Ave		1.1070				4.2		15.0			
Indeno[1,2,3-cd]pyrene	0.8828 0.9523	0.9151 1.0259	0.9961 1.0251	0.9967	0.9807	Ave		0.9718				5.3		15.0			
Dibenz(a,h)anthracene	0.9790 1.0594	0.9654 1.0990	0.9970 1.0915	1.0690	1.0589	Ave		1.0399				5.0		15.0			
Benzo[g,h,i]perylene	1.0981 1.0895	1.0571 1.1344	1.1107 1.1249	1.1066	1.1035	Ave		1.1031				2.1		15.0			
2-Fluorophenol (Surr)	1.4975 1.3740	1.4035 1.3901	1.4182 1.3549	1.4111	1.3932	Ave		1.4053				3.0		15.0			
Phenol-d5 (Surr)	1.9247 1.7680	1.8169 1.7939	1.8450 1.7312	1.8574	1.8211	Ave		1.8198				3.2		15.0			
Nitrobenzene-d5 (Surr)	0.4016 0.3791	0.3801 0.3903	0.3864 0.3838	0.4032	0.3913	Ave		0.3895				2.3		15.0			
2-Fluorobiphenyl	1.4757 1.2527	1.3400 1.2869	1.3219 1.2448	1.3220	1.3022	Ave		1.3183				5.5		15.0			
2,4,6-Tribromophenol (Surr)	0.1612 0.2006	0.1762 0.2040	0.1808 0.2024	0.1890	0.1912	Ave		0.1882				7.9		15.0			
Terphenyl-d14 (Surr)	0.8153 0.7851	0.7747 0.8219	0.7844 0.7839	0.8122	0.7789	Ave		0.7946				2.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-197081/26	B2-2656.D
Level 2	STD010 280-197081/27	B2-2657.D
Level 3	STD020 280-197081/28	B2-2658.D
Level 4	STD050 280-197081/29	B2-2659.D
Level 5	ICIS 280-197081/25	B2-2655.D
Level 6	STD120 280-197081/30	B2-2660.D
Level 7	STD160 280-197081/31	B2-2661.D
Level 8	STD200 280-197081/32	B2-2662.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	13991 380403	35578 519812	63461 610887	156047	263812	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	22150 607993	53330 820992	96764 979205	250263	415352	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	39182 1071272	91162 1473682	171177 1725070	440395	734958	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	45895 1200500	108926 1667501	194715 1920426	497492	826631	4.00 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	55423 1500782	134659 2072164	244033 2373739	619290	1025671	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	34684 896099	81608 1243500	150661 1431274	385040	615429	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	34964 971229	86038 1336321	156362 1542694	395238	653524	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	38593 1016117	91757 1399455	167177 1610987	420887	696796	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	40489 1043117	95890 1435108	172697 1649829	428293	705716	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	21083 631398	54800 878326	97324 1000855	256064	417046	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	37356 1002849	88024 1373271	160165 1578002	409494	669323	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	30984 874714	77547 1218958	143014 1380430	359542	602385	4.00 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	49290 1250108	118248 1675629	213430 1910266	529316	884270	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	24332 688816	60059 929594	109943 1059900	281818	461073	4.00 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	33986 921727	82562 1252040	151273 1441370	378178	626956	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Methylphenol	DCB	Ave	33986 921727	82562 1252040	151273 1441370	378178	626956	4.00 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	45967 1280626	115746 1753076	209348 1990411	534529	864250	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	13923 389276	32428 535556	60893 620028	156661	261012	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	36845 1015250	89147 1388172	158922 1601615	418381	682880	4.00 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	62694 1801129	158852 2447631	285659 2792266	730888	1204065	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	15447 536333	40341 747791	77361 861950	207098	346176	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	33355 929889	82419 1294539	149494 1467858	382948	620692	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	40896 1100331	98515 1499180	180376 1717769	454874	745409	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Lin2	+++++ 1339861	59432 1887599	135179 2203524	425592	806365	+++++ 240	20.0 320	40.0 400	100	160
2,4-Dichlorophenol	NPT	Ave	27284 800751	66651 1098790	126265 1260191	318734	531507	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	32762 850593	76642 1179066	139406 1350775	346387	566933	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	102171 2698884	242503 3688701	441959 4174958	1115768	1848342	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	45221 1259915	107485 1729238	198527 1954180	505413	839035	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	16127 451269	39423 632955	73115 726540	183699	297916	4.00 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	18109 554446	44224 755535	83735 867265	217584	372592	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	27275 813670	68288 1130516	128204 1291207	335337	541228	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylnaphthalene	NPT	Ave	67028 1890275	165119 2595853	305672 2926984	773790	1261661	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Ave	64229 1784133	155262 2411360	285861 2762499	728260	1192350	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Lin1	+++++ 431474	16643 646781	40039 761453	141549	255059	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2,4,5-Tetrachlorobenzene	NPT	Ave	30654 838455	71384 1155801	130541 1329965	334380	558030	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	16932 555652	43867 770490	81602 882482	219723	364086	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	17194 612175	46451 841699	89642 978314	234960	398077	4.00 120	10.0 160	20.0 200	50.0	80.0
1,1'-Biphenyl	ANT	Ave	84093 2265700	198912 3047880	367195 3461776	910108	1510552	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chloronaphthalene	ANT	Ave	65396 1765470	154743 2438466	285804 2755328	727440	1179976	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	18851 644702	51561 886902	97280 996712	258179	426866	4.00 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	69153 2000916	169003 2705651	311136 3075142	800710	1306824	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dinitrobenzene	ANT	Ave	8871 368157	23905 510814	48623 585715	139813	232560	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	15516 491385	38603 685190	72384 759236	192836	316642	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthylene	ANT	Ave	101483 2894002	245224 3926642	468199 4433222	1173119	1923518	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	18216 600145	45642 829204	89194 942975	238618	391128	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	66915 1840366	164590 2525796	296009 2864244	751046	1231661	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin1	+++++ 535326	11971 796949	34777 931337	158180	322273	+++++ 240	20.0 320	40.0 400	100	160
4-Nitrophenol	ANT	Ave	15103 582487	40588 810740	80028 926715	226164	383136	8.00 240	20.0 320	40.0 400	100	160
2,4-Dinitrotoluene	ANT	Ave	17498 670265	49985 902616	96383 1022360	258268	424093	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	96150 2484095	225254 3412479	408490 3822997	1022233	1679191	4.00 120	10.0 160	20.0 200	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	12385 493394	34348 688982	68109 784204	178407	316372	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	69328 1970739	169579 2689411	314397 3044612	796915	1313330	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	34451 951392	81145 1316787	147003 1476192	380042	625994	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	77493 2097330	184113 2874891	342111 3297293	859286	1402716	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	16665 593419	47186 811778	91427 930291	238785	390108	4.00 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	+++++ 764490	40343 1052155	87896 1221622	272678	475486	+++++ 240	20.0 320	40.0 400	100	160
N-Nitrosodiphenylamine	PHN	Ave	52529 1544988	135445 2117160	247257 2410845	623138	1022294	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Diphenylhydrazine	ANT	Ave	73910 2133621	183911 2926757	345391 3282406	880219	1433741	4.04 121	10.1 162	20.2 202	50.5	80.9
Azobenzene	ANT	Ave	73910 2133621	183911 2926757	345391 3282406	880219	1433741	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	19616 579999	49535 810300	88322 911129	231931	380076	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	24260 682983	57359 956575	104267 1079704	273078	441586	4.00 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	16053 490313	40295 688598	78127 753862	201381	324899	4.00 120	10.0 160	20.0 200	50.0	80.0
Pentachlorophenol	PHN	Lin2	+++++ 770693	35420 1102201	78404 1258326	256435	468305	+++++ 240	20.0 320	40.0 400	100	160
Phenanthrene	PHN	Ave	106988 2991160	264340 4060335	476447 4571895	1228215	2011446	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	108069 3095621	270312 4171779	500173 4689882	1263169	2065808	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	104842 3006745	260894 4053910	490127 4580432	1244118	2002124	4.00 120	10.0 160	20.0 200	50.0	80.0
Alachlor	PHN	Ave	11260 391830	29888 528575	58550 607569	156826	256950	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	107811 3382093	280860 4580447	526769 5147089	1369687	2230442	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	112096 3306175	273737 4533438	518221 5156278	1332769	2192319	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Ave	54294 1929699	154753 2590640	312048 2956041	824170	1254019	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	116591 3435030	289626 4669676	542795 5332800	1396754	2265035	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Ave	33446 1043929	91936 1369742	180788 1544596	469320	716366	4.00 120	10.0 160	20.0 200	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	43044 1557718	119091 2126755	232049 2465592	625455	1022598	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	36411 1289247	97192 1767475	194054 2048299	515154	836553	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	110686 3243521	271975 4434267	518725 5144774	1314792	2165141	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	58324 2081266	156893 2870909	307446 3276305	840580	1356060	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	106740 3067058	266381 4182734	491885 4827686	1247747	2031183	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Lin2	72943 3454596	223879 4793955	462899 5658369	1322393	2240137	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[b]fluoranthene	PRY	Ave	105799 3203791	260376 4399378	505619 5225742	1294840	2127974	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	109737 3410931	285830 4680294	524630 5425106	1387428	2262201	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	100443 3238050	269151 4435898	497838 5253090	1303040	2134210	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Ave	87626 2904372	235472 4100446	472347 4908564	1186673	1971201	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	96245 3048761	244101 4209065	458811 4998218	1227209	2014238	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	107956 3135205	267302 4344478	511129 5150913	1270282	2099059	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorophenol (Surr)	DCB	Ave	33188 915649	80103 1254015	147462 1457293	371958	621260	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol-d5 (Surr)	DCB	Ave	42656 1178276	103698 1618247	191840 1861964	489592	812049	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene-d5 (Surr)	NPT	Ave	35721 1034021	86938 1425240	161420 1646722	423728	696163	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	75970 2011339	179666 2768189	323929 3124871	820911	1351545	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	8298 322150	23628 438926	44305 508028	117368	198391	4.00 120	10.0 160	20.0 200	50.0	80.0
Terphenyl-d14 (Surr)	CRY	Ave	80931 2394491	199366 3285117	371989 3753657	966990	1565550	4.00 120	10.0 160	20.0 200	50.0	80.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2655.D
Lims ID: ICIS HSL Client ID:
Inject. Date: 22-Oct-2013 07:51:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: ICIS HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 197081 Lims Sample ID: 25
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:19 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 08:24:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.631	4.631	0.0	92	222957	40.0	
* 2 Naphthalene-d8	136	5.876	5.876	0.0	99	889624	40.0	
* 3 Acenaphthene-d10	164	7.645	7.645	0.0	99	518932	40.0	
* 4 Phenanthrene-d10	188	9.155	9.155	0.0	99	889421	40.0	
* 5 Chrysene-d12	240	13.432	13.432	0.0	35	1004977	40.0	
* 6 Perylene-d12	264	17.545	17.545	0.0	98	951072	40.0	
$ 7 2-Fluorophenol	112	3.414	3.414	0.0	96	621260	79.3	
$ 8 Phenol-d5	99	4.272	4.272	0.0	99	812049	80.1	
$ 9 Nitrobenzene-d5	82	5.171	5.171	0.0	97	696163	80.4	
$ 11 2-Fluorobiphenyl	172	6.940	6.940	0.0	99	1351545	79.0	
$ 12 2,4,6-Tribromophenol	330	8.450	8.450	0.0	97	198391	81.3	
$ 13 Terphenyl-d14	244	11.170	11.170	0.0	99	1565550	78.4	
19 1,4-Dioxane	88	1.916	1.916	0.0	94	263812	79.5	
20 N-Nitrosodimethylamine	74	2.192	2.192	0.0	98	415352	79.7	
21 Pyridine	79	2.233	2.233	0.0	96	734958	80.1	
32 Phenol	94	4.284	4.284	0.0	93	826631	78.9	
34 Aniline	93	4.319	4.319	0.0	99	1025671	79.1	
35 Alpha Methyl Styrene	118	4.349	4.349	0.0	96	633416	78.5	
36 Bis(2-chloroethyl)ether	93	4.354	4.354	0.0	93	615429	77.9	
38 n-Decane	43	4.413	4.413	0.0	96	656033	80.4	
39 2-Chlorophenol	128	4.437	4.437	0.0	94	653524	78.6	
40 1,3-Dichlorobenzene	146	4.578	4.578	0.0	99	696796	78.8	
42 1,4-Dichlorobenzene	146	4.648	4.648	0.0	98	705716	77.5	
43 Benzyl alcohol	108	4.754	4.754	0.0	99	417046	78.7	
44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	97	669323	78.0	
45 2-Methylphenol	108	4.860	4.860	0.0	98	602385	80.1	
46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	89	884270	80.1	
47 Indene	116	4.877	4.877	0.0	93	1061843	79.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.007	5.007	0.0	84	626956	79.0	
50 3-Methylphenol	108	5.007	5.007	0.0	89	626956	79.0	
51 4-Methylphenol	108	5.007	5.007	0.0	96	626956	79.0	
52 N-Nitrosodi-n-propylamine	70	4.989	4.989	0.0	96	461073	79.2	
54 Acetophenone	105	5.012	5.012	0.0	90	864250	78.5	
58 Hexachloroethane	117	5.124	5.124	0.0	98	261012	79.4	
59 Nitrobenzene	77	5.189	5.189	0.0	96	682880	79.4	
63 Isophorone	82	5.406	5.406	0.0	100	1204065	79.7	
64 2-Nitrophenol	139	5.500	5.500	0.0	96	346176	81.4	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	98	620692	78.5	
68 Benzoic acid	105	5.629	5.629	0.0	97	806365	155.5	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	97	745409	79.1	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	98	652898	79.7	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	96	531507	80.0	
76 1,2,4-Trichlorobenzene	180	5.817	5.817	0.0	98	566933	77.4	
79 Naphthalene	128	5.900	5.900	0.0	100	1848342	79.7	
80 4-Chloroaniline	127	5.953	5.953	0.0	100	839035	79.5	
83 Hexachlorobutadiene	225	6.000	6.000	0.0	97	297916	77.7	
86 Caprolactam	55	6.299	6.299	0.0	94	372592	82.4	
89 4-Chloro-3-methylphenol	107	6.434	6.434	0.0	98	541228	79.6	
93 2-Methylnaphthalene	142	6.587	6.587	0.0	100	1261661	79.1	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	99	1192350	79.3	
97 Hexachlorocyclopentadiene	237	6.734	6.734	0.0	98	255059	73.0	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	97	558030	79.2	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	91	364086	81.7	
101 2,3-Dichlorobenzenamine	161	6.881	6.881	0.0	91	664488	78.5	
102 2,4,5-Trichlorophenol	196	6.922	6.922	0.0	97	398077	82.6	
104 1,1'-Biphenyl	154	7.051	7.051	0.0	95	1510552	79.3	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	98	1179976	78.8	
108 2-Nitroaniline	65	7.192	7.192	0.0	96	426866	82.6	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	1306824	79.4	
112 1,3-Dinitrobenzene	168	7.398	7.398	0.0	82	232560	84.4	
113 2,6-Dinitrotoluene	165	7.421	7.421	0.0	96	316642	80.4	
114 Acenaphthylene	152	7.504	7.504	0.0	99	1923518	79.9	
115 3-Nitroaniline	138	7.609	7.609	0.0	98	391128	81.6	
117 Acenaphthene	153	7.680	7.680	0.0	99	1231661	79.2	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	95	322273	151.9	
119 4-Nitrophenol	109	7.792	7.792	0.0	96	383136	170.9	
122 2,4-Dinitrotoluene	165	7.827	7.827	0.0	93	424093	82.4	
123 Dibenzofuran	168	7.850	7.850	0.0	100	1679191	78.8	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	73	316372	84.6	
127 Hexadecane	57	8.003	8.003	0.0	96	958013	81.3	
130 Diethyl phthalate	149	8.038	8.038	0.0	100	1313330	79.9	
134 4-Chlorophenyl phenyl ether	204	8.173	8.173	0.0	96	625994	79.1	
135 Fluorene	166	8.197	8.197	0.0	100	1402716	78.9	
138 4-Nitroaniline	138	8.232	8.232	0.0	93	390108	82.2	
139 4,6-Dinitro-2-methylphenol	198	8.244	8.244	0.0	93	475486	157.9	
141 N-Nitrosodiphenylamine	169	8.303	8.303	0.0	97	1022294	79.0	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	96	1433741	81.2	
144 Azobenzene	77	8.338	8.338	0.0	96	1433741	80.3	
147 2,4,6 - Tribromophenol	330	8.450	8.450	0.0	97	199117	80.8	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	97	380076	79.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.755	8.755	0.0	97	441586	77.6	
159 Atrazine	200	8.814	8.814	0.0	92	324899	79.9	
161 n-Octadecane	85	8.926	8.926	0.0	96	333033	80.6	
163 Pentachlorophenol	266	8.955	8.955	0.0	95	468305	155.8	
168 Phenanthrene	178	9.178	9.178	0.0	100	2011446	79.7	
169 Anthracene	178	9.231	9.231	0.0	100	2065808	79.6	
170 Carbazole	167	9.396	9.396	0.0	100	2002124	79.2	
171 Alachlor	188	9.484	9.484	0.0	95	256950	82.4	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	2230442	80.6	
179 Fluoranthene	202	10.600	10.600	0.0	99	2192319	80.0	
181 Benzidine	184	10.800	10.800	0.0	65	1254019	79.5	
182 Pyrene	202	10.964	10.964	0.0	99	2265035	78.8	
188 Famphur	218	11.981	11.981	0.0	98	716366	80.5	
190 Butyl benzyl phthalate	149	12.081	12.081	0.0	99	1022598	81.9	
195 Bis(2-ethylhexyl) phthalate	149	13.414	13.414	0.0	93	1356060	81.3	
197 3,3'-Dichlorobenzidine	252	13.379	13.379	0.0	97	836553	80.8	
198 Benzo[a]anthracene	228	13.409	13.409	0.0	99	2165141	79.3	
199 Chrysene	228	13.503	13.503	0.0	99	2031183	78.2	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	99	2240137	79.6	
203 Benzo[b]fluoranthene	252	16.399	16.399	0.0	95	2127974	80.9	
204 Benzo[k]fluoranthene	252	16.476	16.476	0.0	96	2262201	81.2	
206 Benzo[e]pyrene	252	17.216	17.216	0.0	98	1863893	80.6	
207 Benzo[a]pyrene	252	17.374	17.374	0.0	96	2134210	81.1	
213 Dibenz(a,h)anthracene	278	20.817	20.817	0.0	75	2014238	81.5	
214 Indeno[1,2,3-cd]pyrene	276	20.735	20.735	0.0	67	1971201	80.7	M
215 Benzo[g,h,i]perylene	276	21.505	21.505	0.0	98	2099059	80.0	
S 217 Total Cresols	108				0		159.1	
S 218 Methyl Phenols,Total	108				0		159.1	

QC Flag Legend

Review Flags
M - Manually Integrated

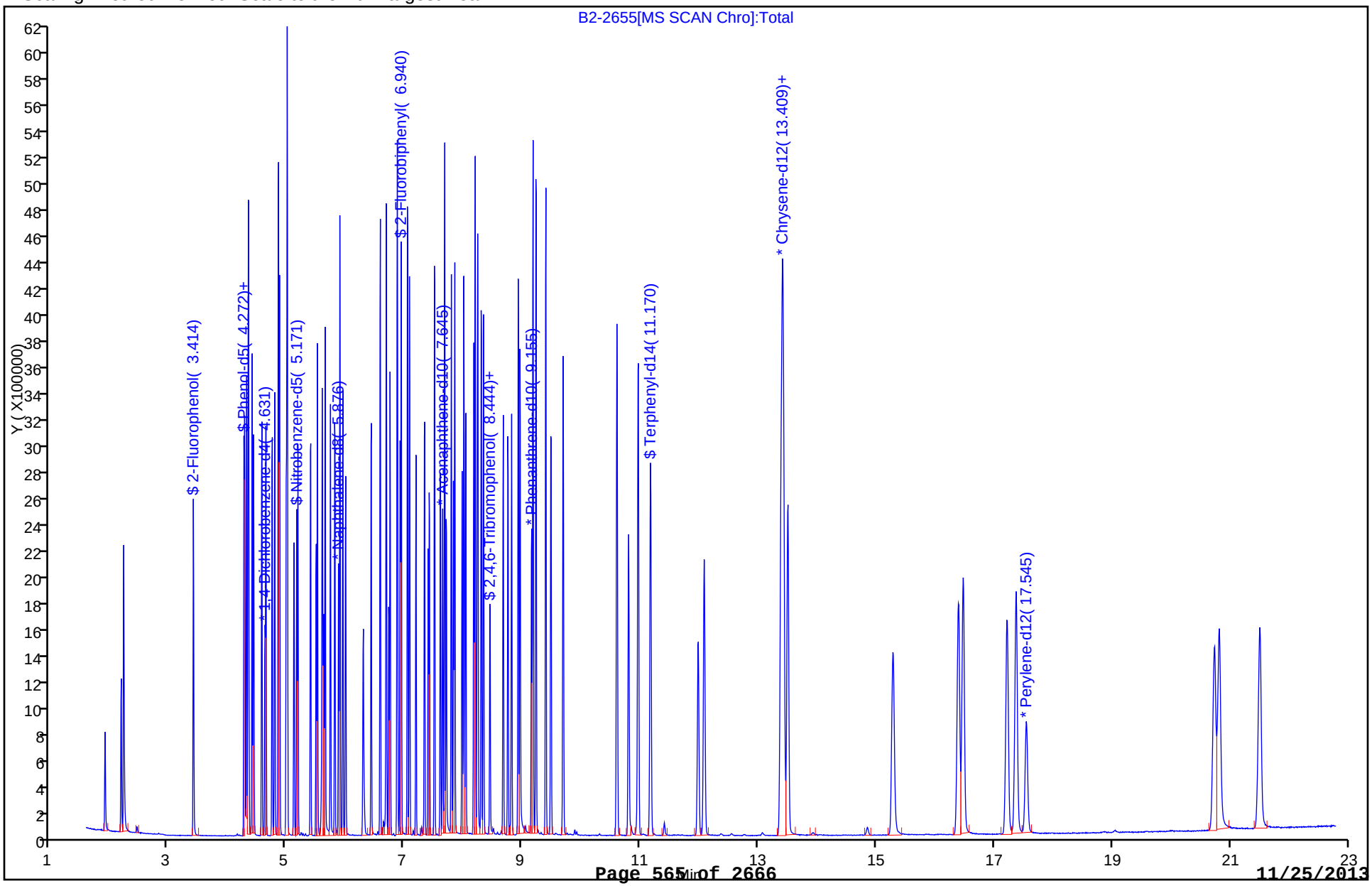
Report Date: 22-Oct-2013 13:24:20 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2655.D

Injection Date:	22-Oct-2013 07:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	25
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

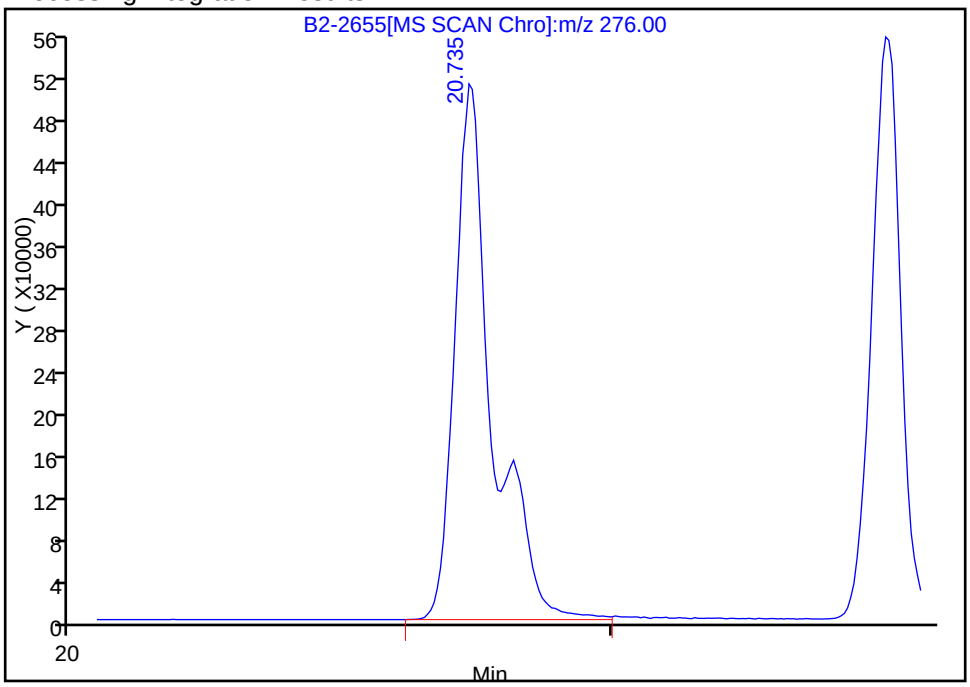
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2655.D		
Injection Date:	22-Oct-2013 07:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	25
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

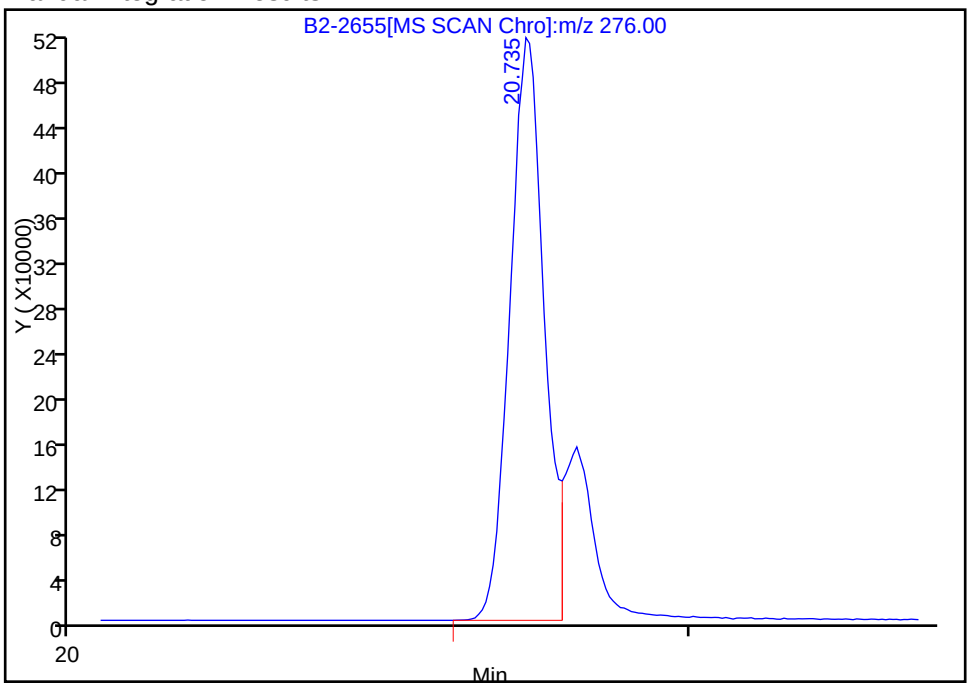
Processing Integration Results

RT: 20.74
Response: 2457809
Amount: 80.000000



Manual Integration Results

RT: 20.74
Response: 1971201
Amount: 80.732999



Reviewer: kiekeld, 22-Oct-2013 08:24:23
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2656.D
Lims ID: STD004 HSL Client ID:
Inject. Date: 22-Oct-2013 08:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD004 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 3
Lims Batch ID: 197081 Lims Sample ID: 26
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:20 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 08:49:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.631	-0.005	94	221622	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	99	889470	40.0	
* 3 Acenaphthene-d10	164	7.640	7.645	-0.005	99	514799	40.0	
* 4 Phenanthrene-d10	188	9.150	9.155	-0.005	99	878047	40.0	
* 5 Chrysene-d12	240	13.421	13.432	-0.011	82	992608	40.0	
* 6 Perylene-d12	264	17.540	17.545	-0.005	98	983125	40.0	
$ 7 2-Fluorophenol	112	3.415	3.414	0.001	94	33188	4.26	
$ 8 Phenol-d5	99	4.273	4.272	0.001	98	42656	4.23	
$ 9 Nitrobenzene-d5	82	5.166	5.171	-0.005	95	35721	4.12	
$ 11 2-Fluorobiphenyl	172	6.940	6.940	0.0	95	75970	4.48	
$ 12 2,4,6-Tribromophenol	330	8.445	8.450	-0.005	86	8298	3.43	
$ 13 Terphenyl-d14	244	11.165	11.170	-0.005	98	80931	4.10	
19 1,4-Dioxane	88	1.917	1.916	0.001	92	13991	4.24	
20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	97	22150	4.28	
21 Pyridine	79	2.234	2.233	0.001	95	39182	4.29	
32 Phenol	94	4.285	4.284	0.001	92	45895	4.41	
34 Aniline	93	4.314	4.319	-0.005	99	55423	4.30	
35 Alpha Methyl Styrene	118	4.344	4.349	-0.005	94	34124	4.25	
36 Bis(2-chloroethyl)ether	93	4.349	4.354	-0.005	93	34684	4.42	
38 n-Decane	43	4.408	4.413	-0.005	97	38341	4.73	
39 2-Chlorophenol	128	4.438	4.437	0.001	93	34964	4.23	
40 1,3-Dichlorobenzene	146	4.573	4.578	-0.005	96	38593	4.39	
42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	97	40489	4.47	
43 Benzyl alcohol	108	4.749	4.754	-0.005	96	21083	4.00	
44 1,2-Dichlorobenzene	146	4.790	4.795	-0.005	95	37356	4.38	
45 2-Methylphenol	108	4.855	4.860	-0.005	96	30984	4.14	
46 2,2'-oxybis[1-chloropropane]	45	4.855	4.860	-0.005	86	49290	4.49	
47 Indene	116	4.872	4.877	-0.005	99	57554	4.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.002	5.007	-0.005	81	33986	4.31	
50 3-Methylphenol	108	5.002	5.007	-0.005	81	33986	4.31	
51 4-Methylphenol	108	5.002	5.007	-0.005	92	33986	4.31	
52 N-Nitrosodi-n-propylamine	70	4.984	4.989	-0.005	84	24332	4.20	
54 Acetophenone	105	5.007	5.012	-0.005	94	45967	4.20	
58 Hexachloroethane	117	5.119	5.124	-0.005	95	13923	4.26	
59 Nitrobenzene	77	5.184	5.189	-0.005	95	36845	4.29	
63 Isophorone	82	5.401	5.406	-0.005	99	62694	4.15	
64 2-Nitrophenol	139	5.495	5.500	-0.005	92	15447	3.63	
65 2,4-Dimethylphenol	107	5.519	5.518	0.001	98	33355	4.22	
68 Benzoic acid	105	5.577	5.629	-0.052	90	16956	13.8	
69 Bis(2-chloroethoxy)methane	93	5.595	5.600	-0.005	90	40896	4.34	
71 3,5-Dimethylphenol	107	5.648	5.653	-0.005	98	35280	4.31	
74 2,4-Dichlorophenol	162	5.742	5.741	0.001	97	27284	4.11	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	93	32762	4.47	
79 Naphthalene	128	5.895	5.900	-0.005	99	102171	4.41	
80 4-Chloroaniline	127	5.948	5.953	-0.005	98	45221	4.28	
83 Hexachlorobutadiene	225	5.995	6.000	-0.005	94	16127	4.21	
86 Caprolactam	55	6.271	6.299	-0.028	87	18109	4.01	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	97	27275	4.01	
93 2-Methylnaphthalene	142	6.582	6.587	-0.005	97	67028	4.20	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	98	64229	4.27	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	83	4724	9.07	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	94	30654	4.35	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	86	16932	3.83	
101 2,3-Dichlorobenzenamine	161	6.876	6.881	-0.005	96	37074	4.41	
102 2,4,5-Trichlorophenol	196	6.923	6.922	0.001	96	17194	3.60	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	95	84093	4.45	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	65396	4.40	
108 2-Nitroaniline	65	7.187	7.192	-0.005	94	18851	3.68	
111 Dimethyl phthalate	163	7.334	7.339	-0.005	98	69153	4.23	
112 1,3-Dinitrobenzene	168	7.399	7.398	0.001	86	8871	3.25	
113 2,6-Dinitrotoluene	165	7.416	7.421	-0.005	91	15516	3.97	
114 Acenaphthylene	152	7.505	7.504	0.001	99	101483	4.25	
115 3-Nitroaniline	138	7.604	7.609	-0.005	97	18216	3.83	
117 Acenaphthene	153	7.675	7.680	-0.005	97	66915	4.34	
118 2,4-Dinitrophenol	184	7.704	7.709	-0.005	80	2994	21.4	
119 4-Nitrophenol	109	7.792	7.792	0.0	93	15103	6.79	
122 2,4-Dinitrotoluene	165	7.822	7.827	-0.005	82	17498	3.43	
123 Dibenzofuran	168	7.845	7.850	-0.005	97	96150	4.55	
125 2,3,4,6-Tetrachlorophenol	232	7.975	7.974	0.001	69	12385	3.34	
127 Hexadecane	57	8.004	8.003	0.001	96	49091	4.20	
130 Diethyl phthalate	149	8.027	8.038	-0.011	98	69328	4.25	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	96	34451	4.39	
135 Fluorene	166	8.192	8.197	-0.005	98	77493	4.39	
138 4-Nitroaniline	138	8.221	8.232	-0.011	92	16665	3.54	
139 4,6-Dinitro-2-methylphenol	198	8.239	8.244	-0.005	85	11352	11.8	
141 N-Nitrosodiphenylamine	169	8.298	8.303	-0.005	95	52529	4.11	
143 1,2-Diphenylhydrazine	77	8.333	8.338	-0.005	95	73910	4.22	
144 Azobenzene	77	8.333	8.338	-0.005	95	73910	4.17	
147 2,4,6 - Tribromophenol	330	8.445	8.450	-0.005	86	8231	3.37	
156 4-Bromophenyl phenyl ether	248	8.668	8.673	-0.005	90	19616	4.13	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.750	8.755	-0.005	90	24260	4.32	
159 Atrazine	200	8.809	8.814	-0.005	88	16053	4.00	
161 n-Octadecane	85	8.926	8.926	0.0	96	16823	4.13	
163 Pentachlorophenol	266	8.956	8.955	0.001	85	9615	13.3	
168 Phenanthrene	178	9.173	9.178	-0.005	99	106988	4.29	
169 Anthracene	178	9.226	9.231	-0.005	100	108069	4.22	
170 Carbazole	167	9.391	9.396	-0.005	99	104842	4.20	
171 Alachlor	188	9.479	9.484	-0.005	91	11260	3.66	
173 Di-n-butyl phthalate	149	9.684	9.689	-0.005	99	107811	3.94	
179 Fluoranthene	202	10.595	10.600	-0.005	96	112096	4.14	
181 Benzidine	184	10.795	10.800	-0.005	62	54294	3.49	
182 Pyrene	202	10.953	10.964	-0.011	95	116591	4.11	
188 Famphur	218	11.976	11.981	-0.005	91	33446	3.81	
190 Butyl benzyl phthalate	149	12.076	12.081	-0.005	96	43044	3.49	
195 Bis(2-ethylhexyl) phthalate	149	13.415	13.414	0.001	73	58324	3.54	
197 3,3'-Dichlorobenzidine	252	13.368	13.379	-0.011	92	36411	3.56	
198 Benzo[a]anthracene	228	13.398	13.409	-0.010	97	110686	4.10	
199 Chrysene	228	13.486	13.503	-0.016	97	106740	4.16	
201 Di-n-octyl phthalate	149	15.272	15.283	-0.011	96	72943	4.17	
203 Benzo[b]fluoranthene	252	16.382	16.399	-0.017	94	105799	3.89	
204 Benzo[k]fluoranthene	252	16.453	16.476	-0.023	96	109737	3.81	
206 Benzo[e]pyrene	252	17.205	17.216	-0.011	97	95001	3.97	
207 Benzo[a]pyrene	252	17.352	17.374	-0.022	94	100443	3.69	
213 Dibenz(a,h)anthracene	278	20.807	20.817	-0.010	71	96245	3.77	
214 Indeno[1,2,3-cd]pyrene	276	20.718	20.735	-0.017	51	87626	3.63	
215 Benzo[g,h,i]perylene	276	21.482	21.505	-0.023	97	107956	3.98	
S 217 Total Cresols	108				0		8.45	
S 218 Methyl Phenols,Total	108				0		8.45	

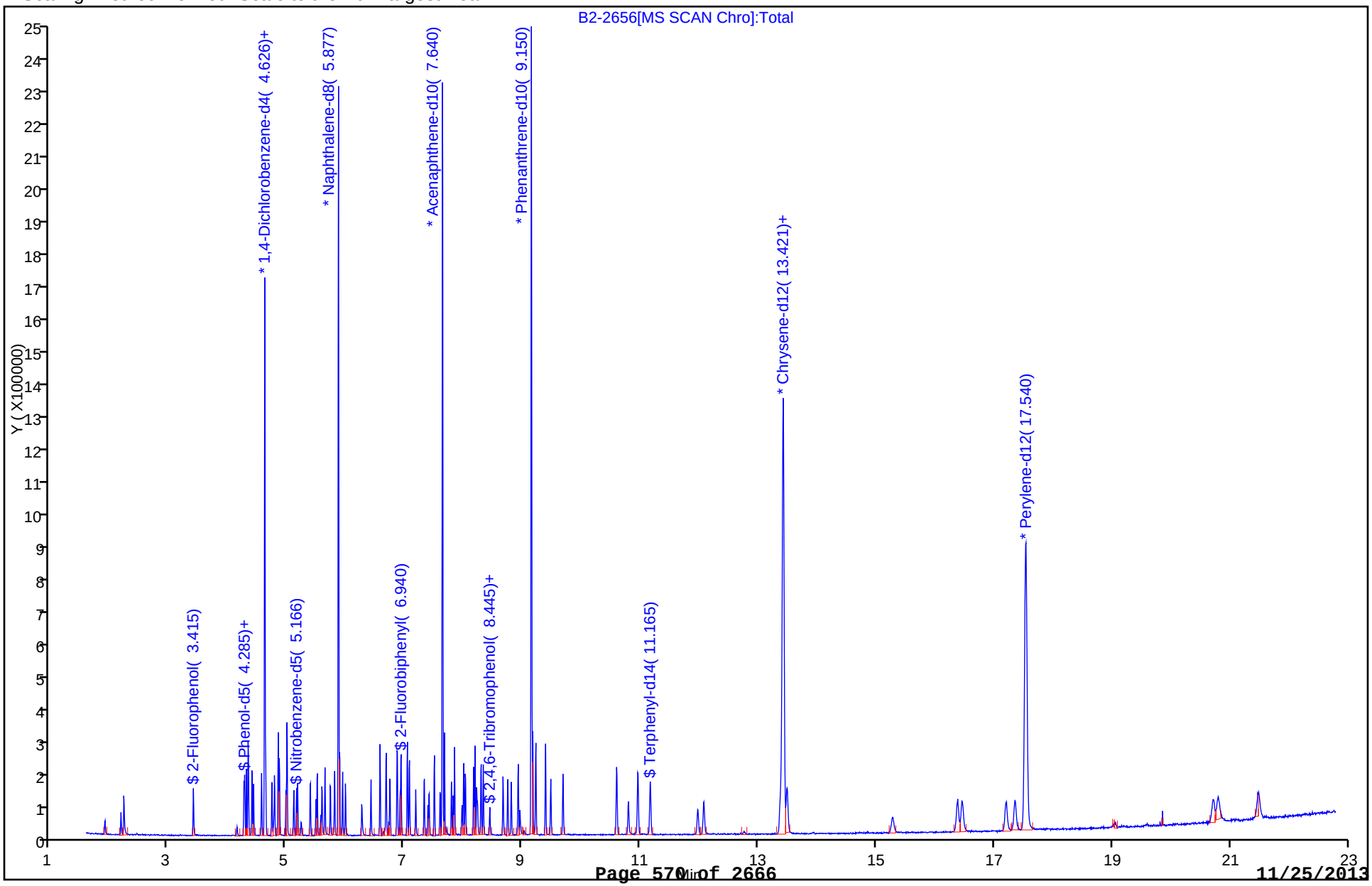
Report Date: 22-Oct-2013 13:24:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2656.D

Injection Date:	22-Oct-2013 08:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	26
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2657.D
Lims ID: STD010 HSL Client ID:
Inject. Date: 22-Oct-2013 08:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD010 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 4
Lims Batch ID: 197081 Lims Sample ID: 27
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:21 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 09:24:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.631	-0.004	92	228294	40.0	
* 2 Naphthalene-d8	136	5.878	5.876	0.002	99	914843	40.0	
* 3 Acenaphthene-d10	164	7.641	7.645	-0.004	99	536333	40.0	
* 4 Phenanthrene-d10	188	9.151	9.155	-0.004	99	905100	40.0	
* 5 Chrysene-d12	240	13.422	13.432	-0.010	83	1029327	40.0	
* 6 Perylene-d12	264	17.541	17.545	-0.004	98	1011443	40.0	
$ 7 2-Fluorophenol	112	3.416	3.414	0.002	97	80103	9.99	
$ 8 Phenol-d5	99	4.274	4.272	0.002	99	103698	9.98	
$ 9 Nitrobenzene-d5	82	5.167	5.171	-0.004	96	86938	9.76	
$ 11 2-Fluorobiphenyl	172	6.936	6.940	-0.004	98	179666	10.2	
$ 12 2,4,6-Tribromophenol	330	8.446	8.450	-0.004	94	23628	9.36	
$ 13 Terphenyl-d14	244	11.166	11.170	-0.004	99	199366	9.75	
19 1,4-Dioxane	88	1.912	1.916	-0.004	91	35578	10.5	
20 N-Nitrosodimethylamine	74	2.189	2.192	-0.003	98	53330	10.0	
21 Pyridine	79	2.236	2.233	0.003	93	91162	9.70	
32 Phenol	94	4.286	4.284	0.002	92	108926	10.2	
34 Aniline	93	4.315	4.319	-0.004	99	134659	10.1	
35 Alpha Methyl Styrene	118	4.345	4.349	-0.004	95	83972	10.2	
36 Bis(2-chloroethyl)ether	93	4.351	4.354	-0.003	96	81608	10.1	
38 n-Decane	43	4.409	4.413	-0.004	96	86066	10.3	
39 2-Chlorophenol	128	4.433	4.437	-0.004	94	86038	10.1	
40 1,3-Dichlorobenzene	146	4.574	4.578	-0.004	98	91757	10.1	
42 1,4-Dichlorobenzene	146	4.644	4.648	-0.004	98	95890	10.3	
43 Benzyl alcohol	108	4.750	4.754	-0.004	98	54800	10.1	
44 1,2-Dichlorobenzene	146	4.791	4.795	-0.004	96	88024	10.0	
45 2-Methylphenol	108	4.856	4.860	-0.004	97	77547	10.1	
46 2,2'-oxybis[1-chloropropane]	45	4.856	4.860	-0.004	86	118248	10.5	
47 Indene	116	4.874	4.877	-0.003	92	139673	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.003	5.007	-0.004	80	82562	10.2	
50 3-Methylphenol	108	5.003	5.007	-0.004	86	82562	10.2	
51 4-Methylphenol	108	5.003	5.007	-0.004	96	82562	10.2	
52 N-Nitrosodi-n-propylamine	70	4.985	4.989	-0.004	95	60059	10.1	
54 Acetophenone	105	5.003	5.012	-0.009	93	115746	10.3	
58 Hexachloroethane	117	5.120	5.124	-0.004	95	32428	9.64	
59 Nitrobenzene	77	5.185	5.189	-0.004	97	89147	10.1	
63 Isophorone	82	5.397	5.406	-0.009	99	158852	10.2	
64 2-Nitrophenol	139	5.496	5.500	-0.004	94	40341	9.23	
65 2,4-Dimethylphenol	107	5.514	5.518	-0.004	98	82419	10.1	
68 Benzoic acid	105	5.585	5.629	-0.044	98	59432	21.1	
69 Bis(2-chloroethoxy)methane	93	5.596	5.600	-0.004	93	98515	10.2	
71 3,5-Dimethylphenol	107	5.649	5.653	-0.004	98	84669	10.1	
74 2,4-Dichlorophenol	162	5.737	5.741	-0.004	96	66651	9.75	
76 1,2,4-Trichlorobenzene	180	5.814	5.817	-0.003	96	76642	10.2	
79 Naphthalene	128	5.896	5.900	-0.004	100	242503	10.2	
80 4-Chloroaniline	127	5.949	5.953	-0.004	99	107485	9.90	
83 Hexachlorobutadiene	225	5.996	6.000	-0.004	96	39423	10.0	
86 Caprolactam	55	6.272	6.299	-0.027	93	44224	9.51	
89 4-Chloro-3-methylphenol	107	6.425	6.434	-0.009	98	68288	9.77	
93 2-Methylnaphthalene	142	6.583	6.587	-0.004	99	165119	10.1	
96 1-Methylnaphthalene	142	6.683	6.687	-0.004	98	155262	10.0	
97 Hexachlorocyclopentadiene	237	6.730	6.734	-0.004	88	16643	12.0	
98 1,2,4,5-Tetrachlorobenzene	216	6.748	6.752	-0.004	98	71384	9.85	
100 2,4,6-Trichlorophenol	196	6.865	6.869	-0.004	90	43867	9.52	
101 2,3-Dichlorobenzenamine	161	6.877	6.881	-0.004	95	89964	10.3	
102 2,4,5-Trichlorophenol	196	6.918	6.922	-0.004	94	46451	9.33	
104 1,1'-Biphenyl	154	7.042	7.051	-0.009	97	198912	10.1	
106 2-Chloronaphthalene	162	7.077	7.081	-0.004	98	154743	10.0	
108 2-Nitroaniline	65	7.189	7.192	-0.003	96	51561	9.66	
111 Dimethyl phthalate	163	7.330	7.339	-0.009	99	169003	9.93	
112 1,3-Dinitrobenzene	168	7.394	7.398	-0.004	83	23905	8.40	
113 2,6-Dinitrotoluene	165	7.412	7.421	-0.009	88	38603	9.49	
114 Acenaphthylene	152	7.500	7.504	-0.004	99	245224	9.85	
115 3-Nitroaniline	138	7.600	7.609	-0.009	96	45642	9.22	
117 Acenaphthene	153	7.676	7.680	-0.004	99	164590	10.2	
118 2,4-Dinitrophenol	184	7.706	7.709	-0.003	79	11971	24.9	
119 4-Nitrophenol	109	7.788	7.792	-0.004	96	40588	17.5	
122 2,4-Dinitrotoluene	165	7.823	7.827	-0.004	92	49985	9.39	
123 Dibenzofuran	168	7.847	7.850	-0.003	99	225254	10.2	
125 2,3,4,6-Tetrachlorophenol	232	7.970	7.974	-0.004	74	34348	8.88	
127 Hexadecane	57	7.999	8.003	-0.004	97	124678	10.2	
130 Diethyl phthalate	149	8.029	8.038	-0.009	99	169579	9.98	
134 4-Chlorophenyl phenyl ether	204	8.170	8.173	-0.003	95	81145	9.92	
135 Fluorene	166	8.193	8.197	-0.004	100	184113	10.0	
138 4-Nitroaniline	138	8.223	8.232	-0.009	94	47186	9.62	
139 4,6-Dinitro-2-methylphenol	198	8.234	8.244	-0.010	85	40343	20.6	
141 N-Nitrosodiphenylamine	169	8.293	8.303	-0.010	97	135445	10.3	
143 1,2-Diphenylhydrazine	77	8.334	8.338	-0.004	97	183911	10.1	
144 Azobenzene	77	8.334	8.338	-0.004	97	183911	9.96	
147 2,4,6 - Tribromophenol	330	8.446	8.450	-0.004	94	23695	9.30	
156 4-Bromophenyl phenyl ether	248	8.669	8.673	-0.004	94	49535	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.751	8.755	-0.004	96	57359	9.91	
159 Atrazine	200	8.810	8.814	-0.004	92	40295	9.74	
161 n-Octadecane	85	8.928	8.926	0.002	96	42523	10.1	
163 Pentachlorophenol	266	8.957	8.955	0.002	90	35420	21.1	
168 Phenanthrene	178	9.174	9.178	-0.004	99	264340	10.3	
169 Anthracene	178	9.221	9.231	-0.010	100	270312	10.2	
170 Carbazole	167	9.392	9.396	-0.004	100	260894	10.1	
171 Alachlor	188	9.480	9.484	-0.004	93	29888	9.42	
173 Di-n-butyl phthalate	149	9.686	9.689	-0.003	100	280860	9.97	
179 Fluoranthene	202	10.596	10.600	-0.004	99	273737	9.81	
181 Benzidine	184	10.796	10.800	-0.004	73	154753	9.58	
182 Pyrene	202	10.955	10.964	-0.009	99	289626	9.84	
188 Famphur	218	11.971	11.981	-0.010	96	91936	10.1	
190 Butyl benzyl phthalate	149	12.077	12.081	-0.004	97	119091	9.31	
195 Bis(2-ethylhexyl) phthalate	149	13.417	13.414	0.003	91	156893	9.18	
197 3,3'-Dichlorobenzidine	252	13.370	13.379	-0.009	96	97192	9.17	
198 Benzo[a]anthracene	228	13.399	13.409	-0.009	98	271975	9.72	
199 Chrysene	228	13.493	13.503	-0.009	97	266381	10.0	
201 Di-n-octyl phthalate	149	15.285	15.283	0.002	98	223879	9.21	
203 Benzo[b]fluoranthene	252	16.384	16.399	-0.015	97	260376	9.30	
204 Benzo[k]fluoranthene	252	16.460	16.476	-0.016	95	285830	9.64	
206 Benzo[e]pyrene	252	17.206	17.216	-0.010	98	237621	9.66	
207 Benzo[a]pyrene	252	17.359	17.374	-0.015	99	269151	9.62	
213 Dibenz(a,h)anthracene	278	20.802	20.817	-0.015	74	244101	9.28	
214 Indeno[1,2,3-cd]pyrene	276	20.720	20.735	-0.015	63	235472	9.42	M
215 Benzo[g,h,i]perylene	276	21.489	21.505	-0.016	97	267302	9.58	
S 217 Total Cresols	108				0		20.2	
S 218 Methyl Phenols,Total	108				0		20.2	

QC Flag Legend

Review Flags
M - Manually Integrated

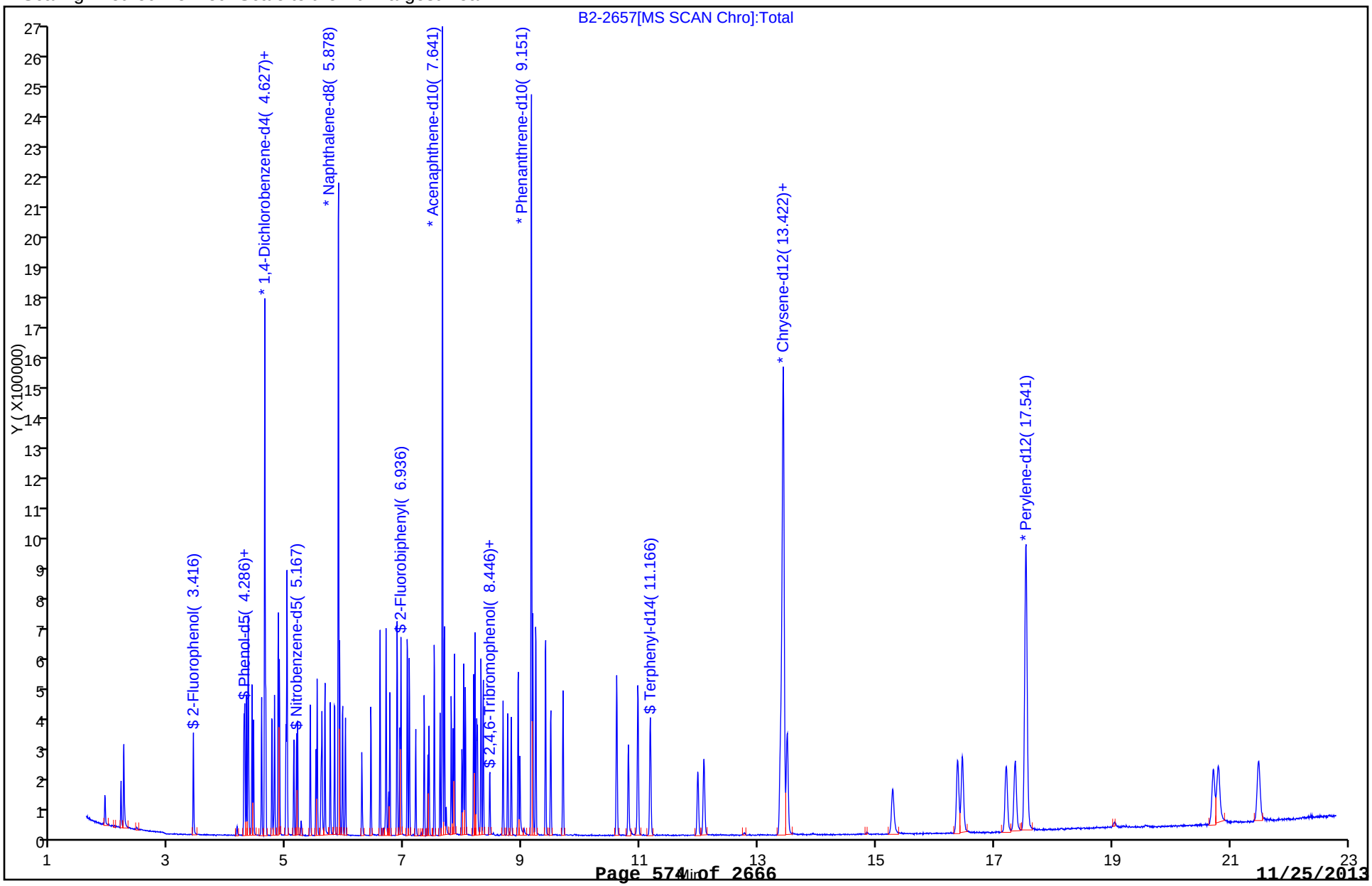
Report Date: 22-Oct-2013 13:24:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2657.D

Injection Date:	22-Oct-2013 08:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	27
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

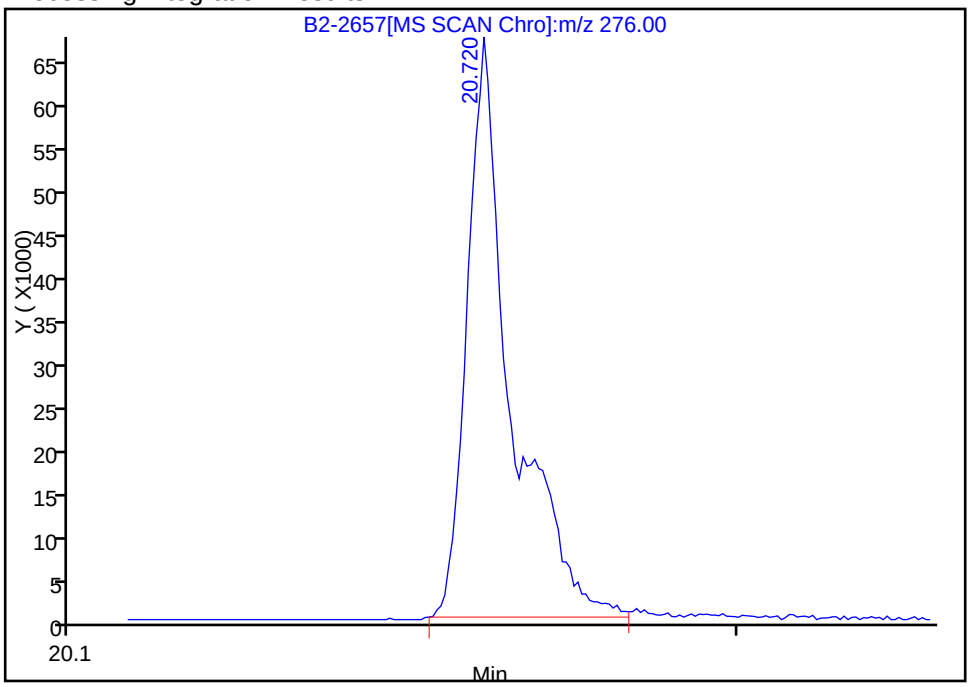
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2657.D		
Injection Date:	22-Oct-2013 08:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	27
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

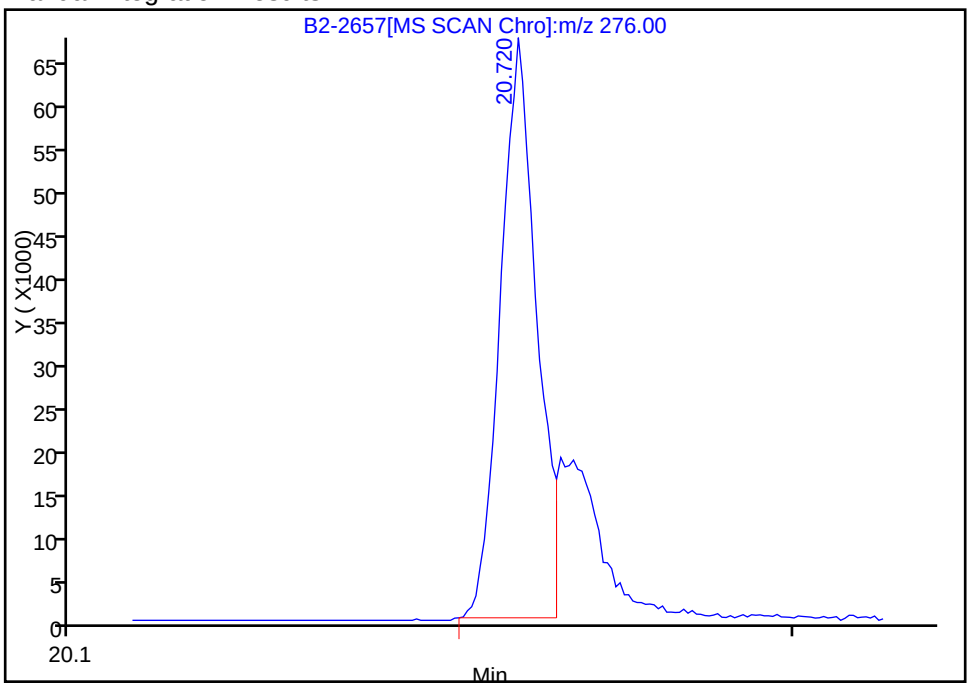
Processing Integration Results

RT: 20.72
Response: 307473
Amount: 10.000000



Manual Integration Results

RT: 20.72
Response: 235472
Amount: 9.415908



Reviewer: kiekeld, 22-Oct-2013 09:24:45
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2658.D
Lims ID: STD020 HSL Client ID:
Inject. Date: 22-Oct-2013 09:22:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD020 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 5
Lims Batch ID: 197081 Lims Sample ID: 28
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:22 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 09:59:15

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	92	207957	40.0	
*	2 Naphthalene-d8	136	5.877	5.876	0.001	99	835404	40.0	
*	3 Acenaphthene-d10	164	7.639	7.645	-0.006	99	490089	40.0	
*	4 Phenanthrene-d10	188	9.149	9.155	-0.006	99	837029	40.0	
*	5 Chrysene-d12	240	13.427	13.432	-0.005	83	948425	40.0	
*	6 Perylene-d12	264	17.540	17.545	-0.005	97	920359	40.0	
$	7 2-Fluorophenol	112	3.415	3.414	0.001	96	147462	20.2	
$	8 Phenol-d5	99	4.273	4.272	0.001	100	191840	20.3	
$	9 Nitrobenzene-d5	82	5.166	5.171	-0.005	97	161420	19.8	
$	11 2-Fluorobiphenyl	172	6.940	6.940	0.0	98	323929	20.1	
$	12 2,4,6-Tribromophenol	330	8.444	8.450	-0.006	93	44305	19.2	
$	13 Terphenyl-d14	244	11.165	11.170	-0.005	99	371989	19.7	
	19 1,4-Dioxane	88	1.917	1.916	0.001	96	63461	20.5	
	20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	98	96764	19.9	
	21 Pyridine	79	2.234	2.233	0.001	96	171177	20.0	
	32 Phenol	94	4.285	4.284	0.0	92	194715	19.9	
	34 Aniline	93	4.314	4.319	-0.005	99	244033	20.2	
	35 Alpha Methyl Styrene	118	4.343	4.349	-0.006	93	152567	20.3	
	36 Bis(2-chloroethyl)ether	93	4.349	4.354	-0.005	92	150661	20.4	
	38 n-Decane	43	4.408	4.413	-0.005	96	156038	20.5	
	39 2-Chlorophenol	128	4.437	4.437	0.0	96	156362	20.2	
	40 1,3-Dichlorobenzene	146	4.572	4.578	-0.006	97	167177	20.3	
	42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	98	172697	20.3	
	43 Benzyl alcohol	108	4.749	4.754	-0.005	98	97324	19.7	
	44 1,2-Dichlorobenzene	146	4.790	4.795	-0.005	96	160165	20.0	
	45 2-Methylphenol	108	4.854	4.860	-0.006	98	143014	20.4	
	46 2,2'-oxybis[1-chloropropane]	45	4.854	4.860	-0.006	87	213430	20.7	
	47 Indene	116	4.872	4.877	-0.005	93	252161	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.001	5.007	-0.006	84	151273	20.4	
50 3-Methylphenol	108	5.001	5.007	-0.006	87	151273	20.4	
51 4-Methylphenol	108	5.001	5.007	-0.006	96	151273	20.4	
52 N-Nitrosodi-n-propylamine	70	4.984	4.989	-0.005	95	109943	20.2	
54 Acetophenone	105	5.007	5.012	-0.005	95	209348	20.4	
58 Hexachloroethane	117	5.119	5.124	-0.005	95	60893	19.9	
59 Nitrobenzene	77	5.183	5.189	-0.006	96	158922	19.7	
63 Isophorone	82	5.401	5.406	-0.005	99	285659	20.1	
64 2-Nitrophenol	139	5.495	5.500	-0.005	92	77361	19.4	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	99	149494	20.1	
68 Benzoic acid	105	5.589	5.629	-0.040	89	135179	36.6	
69 Bis(2-chloroethoxy)methane	93	5.595	5.600	-0.005	92	180376	20.4	
71 3,5-Dimethylphenol	107	5.648	5.653	-0.005	99	156439	20.3	
74 2,4-Dichlorophenol	162	5.736	5.741	-0.005	97	126265	20.2	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	95	139406	20.3	
79 Naphthalene	128	5.900	5.900	0.0	100	441959	20.3	
80 4-Chloroaniline	127	5.947	5.953	-0.006	99	198527	20.0	
83 Hexachlorobutadiene	225	5.994	6.000	-0.006	97	73115	20.3	
86 Caprolactam	55	6.276	6.299	-0.023	93	83735	19.7	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	99	128204	20.1	
93 2-Methylnaphthalene	142	6.582	6.587	-0.005	100	305672	20.4	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	99	285861	20.3	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	95	40039	18.7	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	95	130541	19.7	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	89	81602	19.4	
101 2,3-Dichlorobenzenamine	161	6.876	6.881	-0.005	91	163323	20.4	
102 2,4,5-Trichlorophenol	196	6.917	6.922	-0.005	95	89642	19.7	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	96	367195	20.4	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	285804	20.2	
108 2-Nitroaniline	65	7.187	7.192	-0.005	97	97280	19.9	
111 Dimethyl phthalate	163	7.334	7.339	-0.005	99	311136	20.0	
112 1,3-Dinitrobenzene	168	7.393	7.398	-0.005	81	48623	18.7	
113 2,6-Dinitrotoluene	165	7.416	7.421	-0.005	95	72384	19.5	
114 Acenaphthylene	152	7.504	7.504	0.0	100	468199	20.6	
115 3-Nitroaniline	138	7.598	7.609	-0.011	96	89194	19.7	
117 Acenaphthene	153	7.675	7.680	-0.005	98	296009	20.1	
118 2,4-Dinitrophenol	184	7.704	7.709	-0.005	88	34777	35.2	
119 4-Nitrophenol	109	7.786	7.792	-0.006	96	80028	37.8	
122 2,4-Dinitrotoluene	165	7.822	7.827	-0.005	91	96383	19.8	
123 Dibenzofuran	168	7.845	7.850	-0.005	100	408490	20.3	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	72	68109	19.3	
127 Hexadecane	57	8.004	8.003	0.001	96	230614	20.7	
130 Diethyl phthalate	149	8.033	8.038	-0.005	100	314397	20.3	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	99	147003	19.7	
135 Fluorene	166	8.192	8.197	-0.005	99	342111	20.4	
138 4-Nitroaniline	138	8.221	8.232	-0.011	94	91427	20.4	
139 4,6-Dinitro-2-methylphenol	198	8.239	8.244	-0.005	93	87896	37.6	
141 N-Nitrosodiphenylamine	169	8.297	8.303	-0.006	97	247257	20.3	
143 1,2-Diphenylhydrazine	77	8.333	8.338	-0.005	96	345391	20.7	
144 Azobenzene	77	8.333	8.338	-0.005	96	345391	20.5	
147 2,4,6 - Tribromophenol	330	8.444	8.450	-0.006	93	45516	19.6	
156 4-Bromophenyl phenyl ether	248	8.668	8.673	-0.005	94	88322	19.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.750	8.755	-0.005	96	104267	19.5	
159 Atrazine	200	8.809	8.814	-0.005	93	78127	20.4	
161 n-Octadecane	85	8.926	8.926	0.0	95	77575	20.0	
163 Pentachlorophenol	266	8.956	8.955	0.001	96	78404	36.2	
168 Phenanthrene	178	9.173	9.178	-0.005	99	476447	20.1	
169 Anthracene	178	9.226	9.231	-0.005	100	500173	20.5	
170 Carbazole	167	9.390	9.396	-0.006	100	490127	20.6	
171 Alachlor	188	9.478	9.484	-0.006	93	58550	20.0	
173 Di-n-butyl phthalate	149	9.684	9.689	-0.005	100	526769	20.2	
179 Fluoranthene	202	10.595	10.600	-0.005	97	518221	20.1	
181 Benzidine	184	10.795	10.800	-0.005	68	312048	21.0	
182 Pyrene	202	10.959	10.964	-0.005	99	542795	20.0	
188 Famphur	218	11.975	11.981	-0.006	97	180788	21.5	
190 Butyl benzyl phthalate	149	12.075	12.081	-0.006	97	232049	19.7	
195 Bis(2-ethylhexyl) phthalate	149	13.409	13.414	-0.005	93	307446	19.5	
197 3,3'-Dichlorobenzidine	252	13.368	13.379	-0.011	97	194054	19.9	
198 Benzo[a]anthracene	228	13.397	13.409	-0.011	98	518725	20.1	
199 Chrysene	228	13.491	13.503	-0.011	99	491885	20.1	
201 Di-n-octyl phthalate	149	15.272	15.283	-0.011	99	462899	18.7	
203 Benzo[b]fluoranthene	252	16.376	16.399	-0.023	96	505619	19.9	
204 Benzo[k]fluoranthene	252	16.458	16.476	-0.018	96	524630	19.5	
206 Benzo[e]pyrene	252	17.205	17.216	-0.011	95	439607	19.6	
207 Benzo[a]pyrene	252	17.357	17.374	-0.017	98	497838	19.5	
213 Dibenz(a,h)anthracene	278	20.806	20.817	-0.011	75	458811	19.2	
214 Indeno[1,2,3-cd]pyrene	276	20.724	20.735	-0.011	61	472347	20.5	
215 Benzo[g,h,i]perylene	276	21.488	21.505	-0.017	96	511129	20.1	
S 217 Total Cresols	108				0		40.8	
S 218 Methyl Phenols,Total	108				0		40.8	

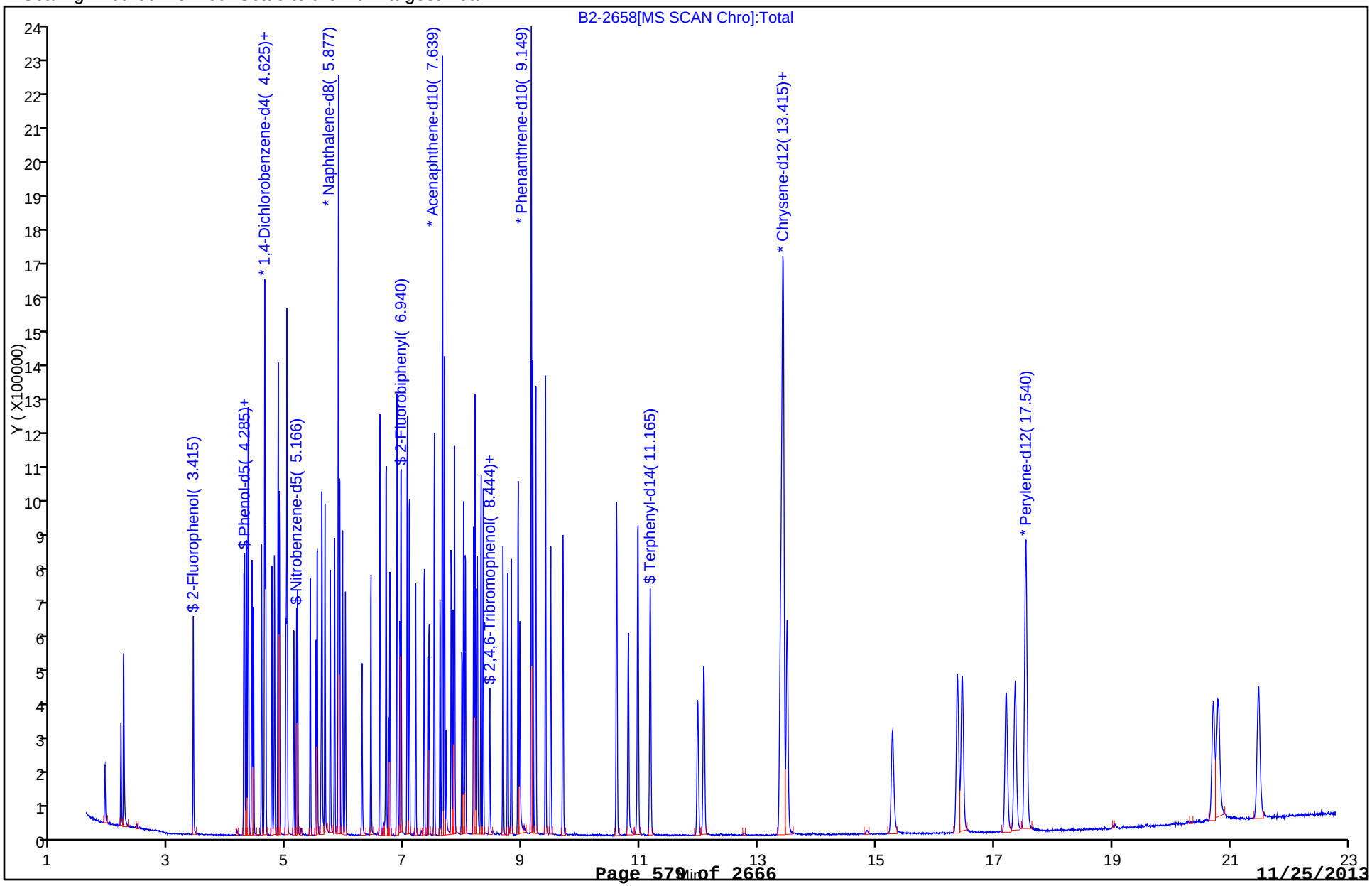
Report Date: 22-Oct-2013 13:24:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2658.D

Injection Date:	22-Oct-2013 09:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	28
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2659.D
Lims ID: STD050 HSL Client ID:
Inject. Date: 22-Oct-2013 09:52:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD050 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 6
Lims Batch ID: 197081 Lims Sample ID: 29
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:22 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 10:53:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.631	-0.005	92	210877	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	99	840686	40.0	
* 3 Acenaphthene-d10	164	7.640	7.645	-0.005	99	496773	40.0	
* 4 Phenanthrene-d10	188	9.150	9.155	-0.005	99	849166	40.0	
* 5 Chrysene-d12	240	13.427	13.432	-0.005	87	952510	40.0	
* 6 Perylene-d12	264	17.540	17.545	-0.005	97	918357	40.0	
$ 7 2-Fluorophenol	112	3.415	3.414	0.001	97	371958	50.2	
$ 8 Phenol-d5	99	4.273	4.272	0.001	99	489592	51.0	
$ 9 Nitrobenzene-d5	82	5.166	5.171	-0.005	96	423728	51.8	
$ 11 2-Fluorobiphenyl	172	6.941	6.940	0.001	99	820911	50.1	
$ 12 2,4,6-Tribromophenol	330	8.445	8.450	-0.005	92	117368	50.2	
$ 13 Terphenyl-d14	244	11.165	11.170	-0.005	99	966990	51.1	
19 1,4-Dioxane	88	1.911	1.916	-0.005	94	156047	49.7	
20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	97	250263	50.8	
21 Pyridine	79	2.229	2.233	-0.005	94	440395	50.7	
32 Phenol	94	4.285	4.284	0.001	92	497492	50.2	
34 Aniline	93	4.314	4.319	-0.005	99	619290	50.5	
35 Alpha Methyl Styrene	118	4.344	4.349	-0.005	92	388134	50.9	
36 Bis(2-chloroethyl)ether	93	4.350	4.354	-0.004	89	385040	51.5	
38 n-Decane	43	4.408	4.413	-0.005	96	381348	49.4	
39 2-Chlorophenol	128	4.438	4.437	0.001	96	395238	50.3	
40 1,3-Dichlorobenzene	146	4.573	4.578	-0.005	98	420887	50.3	
42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	98	428293	49.7	
43 Benzyl alcohol	108	4.749	4.754	-0.005	98	256064	51.1	
44 1,2-Dichlorobenzene	146	4.790	4.795	-0.005	96	409494	50.5	
45 2-Methylphenol	108	4.855	4.860	-0.005	98	359542	50.5	
46 2,2'-oxybis[1-chloropropane]	45	4.855	4.860	-0.005	85	529316	50.7	
47 Indene	116	4.878	4.877	0.001	93	644193	50.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.002	5.007	-0.005	89	378178	50.4	
50 3-Methylphenol	108	5.002	5.007	-0.005	87	378178	50.4	
51 4-Methylphenol	108	5.002	5.007	-0.005	98	378178	50.4	
52 N-Nitrosodi-n-propylamine	70	4.990	4.989	0.001	98	281818	51.2	
54 Acetophenone	105	5.008	5.012	-0.004	95	534529	51.3	
58 Hexachloroethane	117	5.119	5.124	-0.005	96	156661	50.4	
59 Nitrobenzene	77	5.184	5.189	-0.005	96	418381	51.5	
63 Isophorone	82	5.401	5.406	-0.005	99	730888	51.2	
64 2-Nitrophenol	139	5.495	5.500	-0.005	93	207098	51.5	
65 2,4-Dimethylphenol	107	5.519	5.518	0.001	99	382948	51.3	
68 Benzoic acid	105	5.613	5.629	-0.016	97	425592	91.6	
69 Bis(2-chloroethoxy)methane	93	5.601	5.600	0.001	95	454874	51.1	
71 3,5-Dimethylphenol	107	5.648	5.653	-0.005	99	389652	50.3	
74 2,4-Dichlorophenol	162	5.736	5.741	-0.005	96	318734	50.7	
76 1,2,4-Trichlorobenzene	180	5.813	5.817	-0.004	94	346387	50.0	
79 Naphthalene	128	5.901	5.900	0.001	100	1115768	50.9	
80 4-Chloroaniline	127	5.948	5.953	-0.005	99	505413	50.7	
83 Hexachlorobutadiene	225	5.995	6.000	-0.005	97	183699	50.7	
86 Caprolactam	55	6.288	6.299	-0.011	93	217584	50.9	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	99	335337	52.2	
93 2-Methylnaphthalene	142	6.582	6.587	-0.005	96	773790	51.3	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	99	728260	51.3	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	97	141549	45.6	
98 1,2,4,5-Tetrachlorobenzene	216	6.753	6.752	0.001	95	334380	50.2	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	93	219723	51.5	
101 2,3-Dichlorobenzenamine	161	6.876	6.881	-0.005	94	406030	50.1	
102 2,4,5-Trichlorophenol	196	6.917	6.922	-0.005	94	234960	51.0	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	96	910108	49.9	
106 2-Chloronaphthalene	162	7.082	7.081	0.001	100	727440	50.8	
108 2-Nitroaniline	65	7.187	7.192	-0.005	94	258179	52.2	
111 Dimethyl phthalate	163	7.334	7.339	-0.005	99	800710	50.8	
112 1,3-Dinitrobenzene	168	7.399	7.398	0.001	84	139813	53.0	
113 2,6-Dinitrotoluene	165	7.417	7.421	-0.004	93	192836	51.2	
114 Acenaphthylene	152	7.505	7.504	0.001	100	1173119	50.9	
115 3-Nitroaniline	138	7.605	7.609	-0.004	97	238618	52.0	
117 Acenaphthene	153	7.675	7.680	-0.005	99	751046	50.4	
118 2,4-Dinitrophenol	184	7.704	7.709	-0.005	91	158180	87.7	
119 4-Nitrophenol	109	7.787	7.792	-0.005	97	226164	105.4	
122 2,4-Dinitrotoluene	165	7.828	7.827	0.001	95	258268	52.4	
123 Dibenzofuran	168	7.845	7.850	-0.005	99	1022233	50.1	
125 2,3,4,6-Tetrachlorophenol	232	7.975	7.974	0.001	72	178407	49.8	
127 Hexadecane	57	8.004	8.003	0.001	96	584568	51.8	
130 Diethyl phthalate	149	8.033	8.038	-0.005	100	796915	50.7	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	99	380042	50.1	
135 Fluorene	166	8.192	8.197	-0.005	99	859286	50.5	
138 4-Nitroaniline	138	8.227	8.232	-0.005	95	238785	52.6	
139 4,6-Dinitro-2-methylphenol	198	8.239	8.244	-0.005	91	272678	98.1	
141 N-Nitrosodiphenylamine	169	8.298	8.303	-0.005	97	623138	50.4	
143 1,2-Diphenylhydrazine	77	8.333	8.338	-0.005	96	880219	52.1	
144 Azobenzene	77	8.333	8.338	-0.005	96	880219	51.5	
147 2,4,6 - Tribromophenol	330	8.445	8.450	-0.005	92	120088	50.9	
156 4-Bromophenyl phenyl ether	248	8.668	8.673	-0.005	95	231931	50.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.750	8.755	-0.005	97	273078	50.3	
159 Atrazine	200	8.809	8.814	-0.005	92	201381	51.9	
161 n-Octadecane	85	8.927	8.926	0.001	96	199395	50.6	
163 Pentachlorophenol	266	8.956	8.955	0.001	97	256435	93.8	
168 Phenanthrene	178	9.173	9.178	-0.005	99	1228215	51.0	
169 Anthracene	178	9.226	9.231	-0.005	100	1263169	51.0	
170 Carbazole	167	9.391	9.396	-0.005	100	1244118	51.6	
171 Alachlor	188	9.479	9.484	-0.005	93	156826	52.7	
173 Di-n-butyl phthalate	149	9.684	9.689	-0.005	100	1369687	51.8	
179 Fluoranthene	202	10.595	10.600	-0.005	99	1332769	50.9	
181 Benzidine	184	10.795	10.800	-0.005	74	824170	55.1	
182 Pyrene	202	10.959	10.964	-0.005	99	1396754	51.3	
188 Famphur	218	11.976	11.981	-0.005	98	469320	55.6	
190 Butyl benzyl phthalate	149	12.076	12.081	-0.005	98	625455	52.8	
195 Bis(2-ethylhexyl) phthalate	149	13.410	13.414	-0.004	94	840580	53.2	
197 3,3'-Dichlorobenzidine	252	13.374	13.379	-0.005	98	515154	52.5	
198 Benzo[a]anthracene	228	13.398	13.409	-0.010	99	1314792	50.8	
199 Chrysene	228	13.492	13.503	-0.010	99	1247747	50.7	
201 Di-n-octyl phthalate	149	15.278	15.283	-0.005	99	1322393	50.2	
203 Benzo[b]fluoranthene	252	16.382	16.399	-0.017	96	1294840	51.0	
204 Benzo[k]fluoranthene	252	16.465	16.476	-0.011	98	1387428	51.6	
206 Benzo[e]pyrene	252	17.211	17.216	-0.005	97	1137509	50.9	
207 Benzo[a]pyrene	252	17.364	17.374	-0.010	99	1303040	51.3	
213 Dibenz(a,h)anthracene	278	20.807	20.817	-0.010	74	1227209	51.4	
214 Indeno[1,2,3-cd]pyrene	276	20.724	20.735	-0.011	64	1186673	51.3	M
215 Benzo[g,h,i]perylene	276	21.500	21.505	-0.005	96	1270282	50.2	
S 217 Total Cresols	108				0		100.9	
S 218 Methyl Phenols,Total	108				0		100.9	

QC Flag Legend

Review Flags
M - Manually Integrated

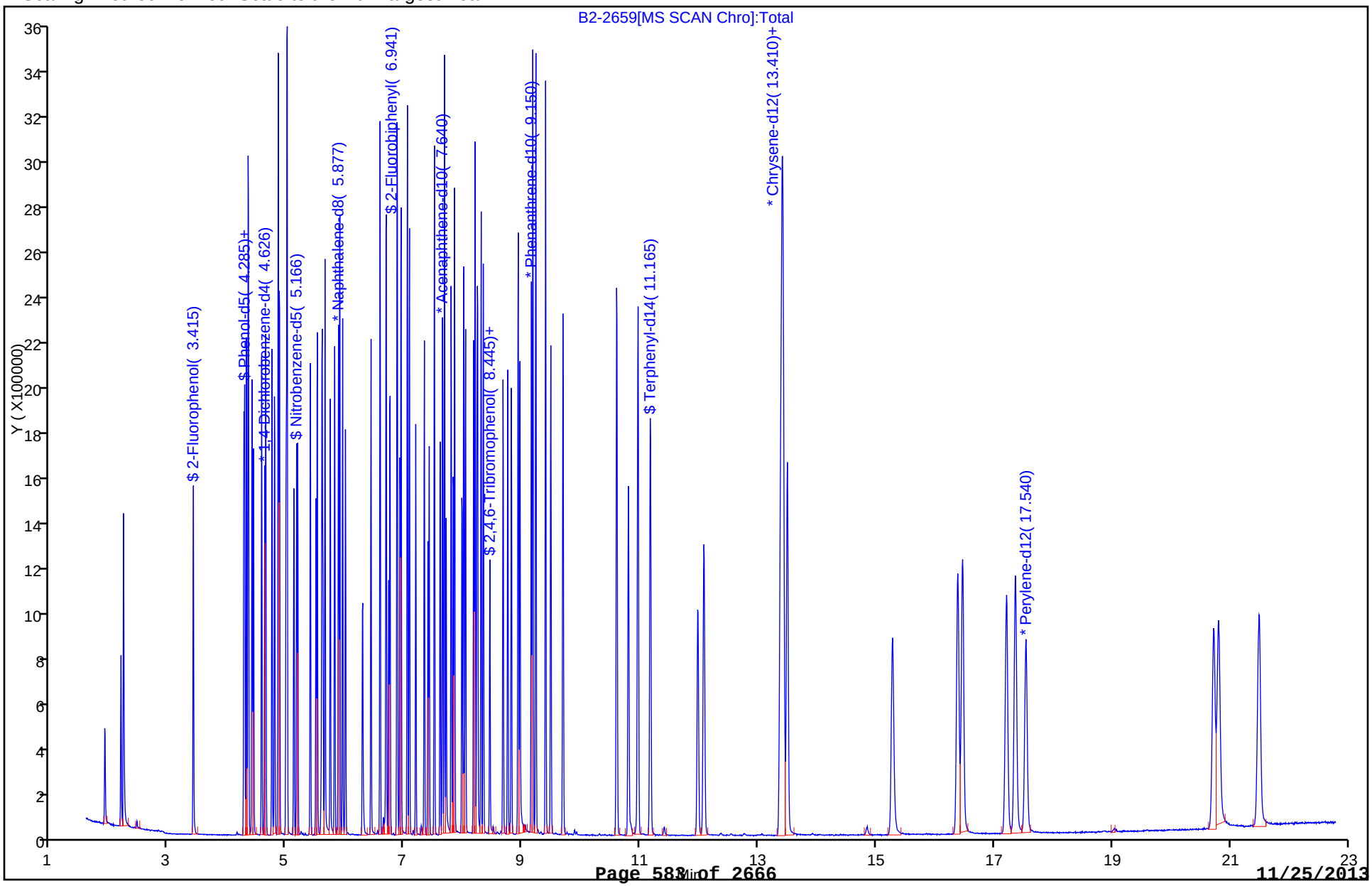
Report Date: 22-Oct-2013 13:24:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2659.D

Injection Date:	22-Oct-2013 09:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

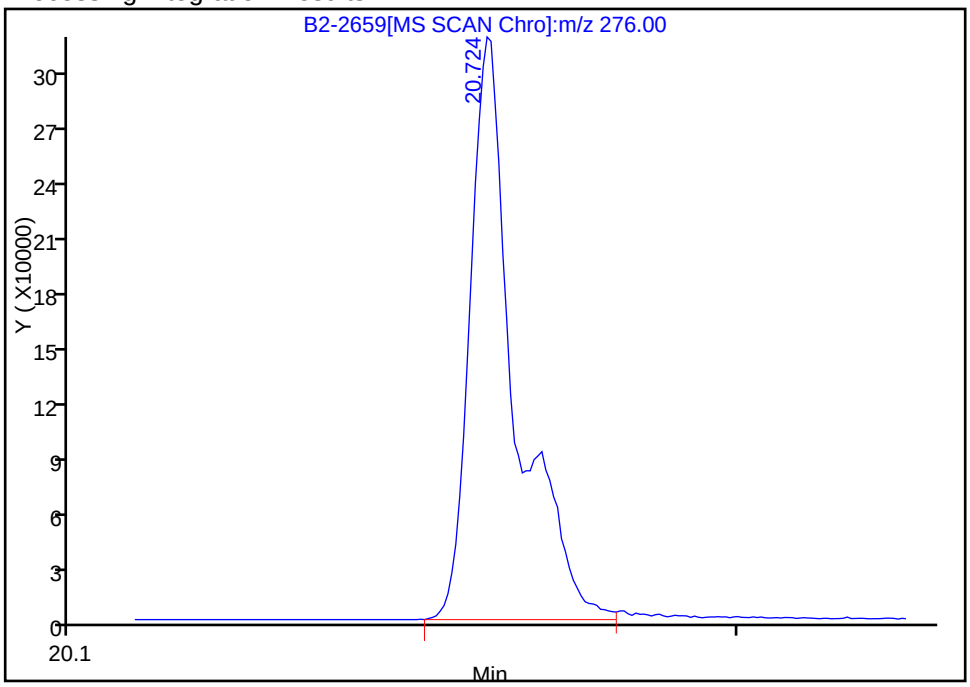
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2659.D		
Injection Date:	22-Oct-2013 09:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

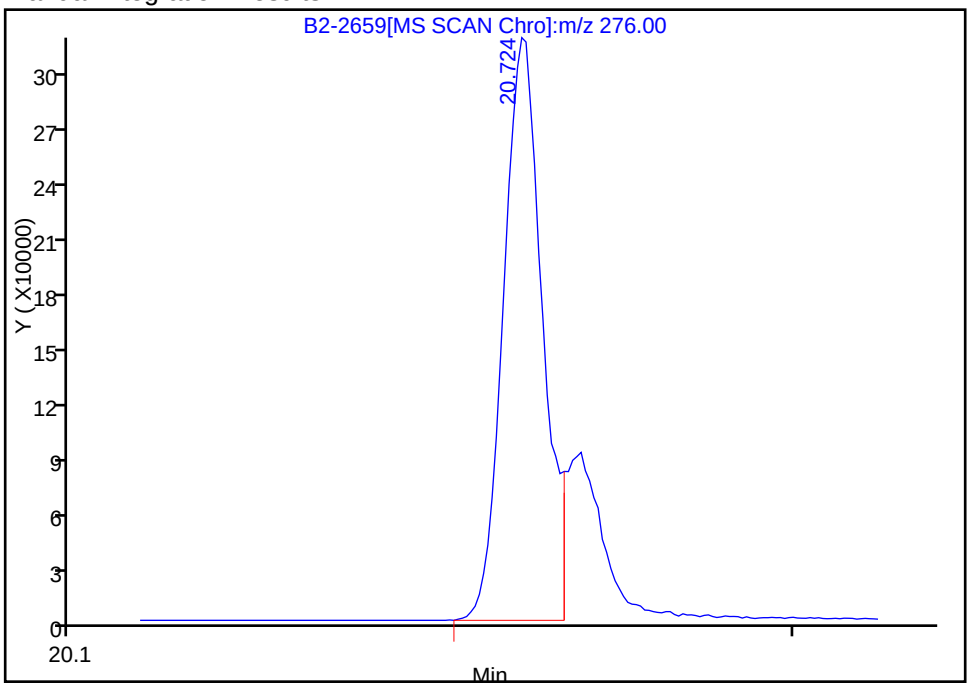
Processing Integration Results

RT: 20.72
Response: 1484528
Amount: 60.013676



Manual Integration Results

RT: 20.72
Response: 1186673
Amount: 51.278795



Reviewer: kiekeld, 22-Oct-2013 10:53:56
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2660.D
Lims ID: STD120 HSL Client ID:
Inject. Date: 22-Oct-2013 10:22:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD120 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 7
Lims Batch ID: 197081 Lims Sample ID: 30
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:23 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 10:58:56

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	91	222144	40.0	
*	2 Naphthalene-d8	136	5.876	5.876	0.0	99	909174	40.0	
*	3 Acenaphthene-d10	164	7.645	7.645	0.0	99	535206	40.0	
*	4 Phenanthrene-d10	188	9.149	9.155	-0.006	98	913760	40.0	
*	5 Chrysene-d12	240	13.432	13.432	0.0	97	1016642	40.0	
*	6 Perylene-d12	264	17.545	17.545	0.0	98	959233	40.0	
$	7 2-Fluorophenol	112	3.414	3.414	0.0	97	915649	117.3	
$	8 Phenol-d5	99	4.272	4.272	0.0	100	1178276	116.6	
$	9 Nitrobenzene-d5	82	5.171	5.171	0.0	97	1034021	116.8	
$	11 2-Fluorobiphenyl	172	6.939	6.940	-0.001	99	2011339	114.0	
$	12 2,4,6-Tribromophenol	330	8.449	8.450	-0.001	98	322150	127.9	
$	13 Terphenyl-d14	244	11.170	11.170	0.0	99	2394491	118.6	
	19 1,4-Dioxane	88	1.916	1.916	0.0	96	380403	115.0	
	20 N-Nitrosodimethylamine	74	2.186	2.192	-0.006	99	607993	117.1	
	21 Pyridine	79	2.227	2.233	-0.006	96	1071272	117.1	
	32 Phenol	94	4.284	4.284	0.0	92	1200500	115.1	
	34 Aniline	93	4.319	4.319	0.0	99	1500782	116.2	
	35 Alpha Methyl Styrene	118	4.343	4.349	-0.007	87	935871	116.4	
	36 Bis(2-chloroethyl)ether	93	4.354	4.354	0.0	89	896099	113.8	
	38 n-Decane	43	4.413	4.413	0.0	96	915921	112.6	
	39 2-Chlorophenol	128	4.437	4.437	-0.001	96	971229	117.3	
	40 1,3-Dichlorobenzene	146	4.572	4.578	-0.006	97	1016117	115.3	
	42 1,4-Dichlorobenzene	146	4.642	4.648	-0.006	98	1043117	115.0	
	43 Benzyl alcohol	108	4.754	4.754	0.0	99	631398	119.6	
	44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	98	1002849	117.3	
	45 2-Methylphenol	108	4.854	4.860	-0.006	98	874714	116.7	
	46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	92	1250108	113.6	
	47 Indene	116	4.877	4.877	0.0	93	1558405	116.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.006	5.007	-0.001	82	921727	116.6	
50 3-Methylphenol	108	5.006	5.007	-0.001	92	921727	116.6	
51 4-Methylphenol	108	5.006	5.007	-0.001	96	921727	116.6	
52 N-Nitrosodi-n-propylamine	70	4.989	4.989	0.0	98	688816	118.7	
54 Acetophenone	105	5.012	5.012	0.0	87	1280626	116.8	
58 Hexachloroethane	117	5.118	5.124	-0.006	96	389276	118.9	
59 Nitrobenzene	77	5.189	5.189	0.0	98	1015250	115.6	
63 Isophorone	82	5.400	5.406	-0.006	100	1801129	116.6	
64 2-Nitrophenol	139	5.494	5.500	-0.006	91	536333	123.4	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	98	929889	115.1	
68 Benzoic acid	105	5.647	5.629	0.018	96	1339861	246.1	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	94	1100331	114.3	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	97	959809	114.7	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	97	800751	117.9	
76 1,2,4-Trichlorobenzene	180	5.811	5.817	-0.006	95	850593	113.6	
79 Naphthalene	128	5.900	5.900	0.0	100	2698884	113.9	
80 4-Chloroaniline	127	5.947	5.953	-0.007	100	1259915	116.8	
83 Hexachlorobutadiene	225	5.994	6.000	-0.006	97	451269	115.2	
86 Caprolactam	55	6.305	6.299	0.006	95	554446	120.0	
89 4-Chloro-3-methylphenol	107	6.428	6.434	-0.006	98	813670	117.2	
93 2-Methylnaphthalene	142	6.581	6.587	-0.006	100	1890275	115.9	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	99	1784133	116.1	
97 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	97	431474	114.7	
98 1,2,4,5-Tetrachlorobenzene	216	6.751	6.752	-0.001	96	838455	116.4	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	94	555652	120.8	
101 2,3-Dichlorobenzenamine	161	6.875	6.881	-0.006	98	1001439	114.6	
102 2,4,5-Trichlorophenol	196	6.922	6.922	0.0	98	612175	123.2	
104 1,1'-Biphenyl	154	7.045	7.051	-0.006	96	2265700	115.4	
106 2-Chloronaphthalene	162	7.080	7.081	-0.001	99	1765470	114.4	
108 2-Nitroaniline	65	7.192	7.192	0.0	97	644702	121.0	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	2000916	117.9	
112 1,3-Dinitrobenzene	168	7.398	7.398	0.0	83	368157	129.6	
113 2,6-Dinitrotoluene	165	7.421	7.421	0.0	97	491385	121.0	
114 Acenaphthylene	152	7.504	7.504	0.0	99	2894002	116.5	
115 3-Nitroaniline	138	7.609	7.609	0.0	98	600145	121.5	
117 Acenaphthene	153	7.680	7.680	0.0	99	1840366	114.7	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	95	535326	232.3	
119 4-Nitrophenol	109	7.791	7.792	-0.001	97	582487	251.9	
122 2,4-Dinitrotoluene	165	7.827	7.827	0.0	94	670265	126.2	
123 Dibenzofuran	168	7.850	7.850	0.0	100	2484095	113.1	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	72	493394	127.9	
127 Hexadecane	57	8.003	8.003	0.0	97	1391855	114.5	
130 Diethyl phthalate	149	8.038	8.038	0.0	100	1970739	116.3	
134 4-Chlorophenyl phenyl ether	204	8.173	8.173	0.0	98	951392	116.5	
135 Fluorene	166	8.197	8.197	0.0	99	2097330	114.4	
138 4-Nitroaniline	138	8.238	8.232	0.006	93	593419	121.2	
139 4,6-Dinitro-2-methylphenol	198	8.244	8.244	0.0	88	764490	242.4	
141 N-Nitrosodiphenylamine	169	8.297	8.303	-0.006	97	1544988	116.2	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	97	2133621	117.1	
144 Azobenzene	77	8.338	8.338	0.0	97	2133621	115.8	
147 2,4,6 - Tribromophenol	330	8.449	8.450	-0.001	98	322150	126.7	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	98	579999	117.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.749	8.755	-0.006	97	682983	116.8	
159 Atrazine	200	8.814	8.814	0.0	93	490313	117.4	
161 n-Octadecane	85	8.925	8.926	-0.001	96	503093	118.6	
163 Pentachlorophenol	266	8.955	8.955	0.0	97	770693	243.4	
168 Phenanthrene	178	9.178	9.178	0.0	100	2991160	115.3	
169 Anthracene	178	9.231	9.231	0.0	100	3095621	116.1	
170 Carbazole	167	9.395	9.396	-0.001	100	3006745	115.8	
171 Alachlor	188	9.478	9.484	-0.006	95	391830	122.3	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	3382093	118.9	
179 Fluoranthene	202	10.600	10.600	0.0	100	3306175	117.4	
181 Benzidine	184	10.800	10.800	0.0	69	1929699	121.0	
182 Pyrene	202	10.964	10.964	0.0	99	3435030	118.1	
188 Famphur	218	11.981	11.981	0.0	98	1043929	116.0	
190 Butyl benzyl phthalate	149	12.080	12.081	-0.001	98	1557718	123.3	
195 Bis(2-ethylhexyl) phthalate	149	13.414	13.414	0.0	95	2081266	123.3	
197 3,3'-Dichlorobenzidine	252	13.379	13.379	0.0	98	1289247	123.1	
198 Benzo[a]anthracene	228	13.402	13.409	-0.006	99	3243521	117.4	
199 Chrysene	228	13.502	13.503	0.0	99	3067058	116.8	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	99	3454596	120.5	
203 Benzo[b]fluoranthene	252	16.399	16.399	0.0	96	3203791	120.7	
204 Benzo[k]fluoranthene	252	16.475	16.476	-0.001	97	3410931	121.4	
206 Benzo[e]pyrene	252	17.222	17.216	0.006	98	2790978	119.6	
207 Benzo[a]pyrene	252	17.374	17.374	0.0	99	3238050	122.0	
213 Dibenz(a,h)anthracene	278	20.823	20.817	0.006	73	3048761	122.3	
214 Indeno[1,2,3-cd]pyrene	276	20.747	20.735	0.012	66	2904372	117.6	M
215 Benzo[g,h,i]perylene	276	21.516	21.505	0.011	96	3135205	118.5	
S 217 Total Cresols	108				0		233.3	
S 218 Methyl Phenols,Total	108				0		233.3	

QC Flag Legend

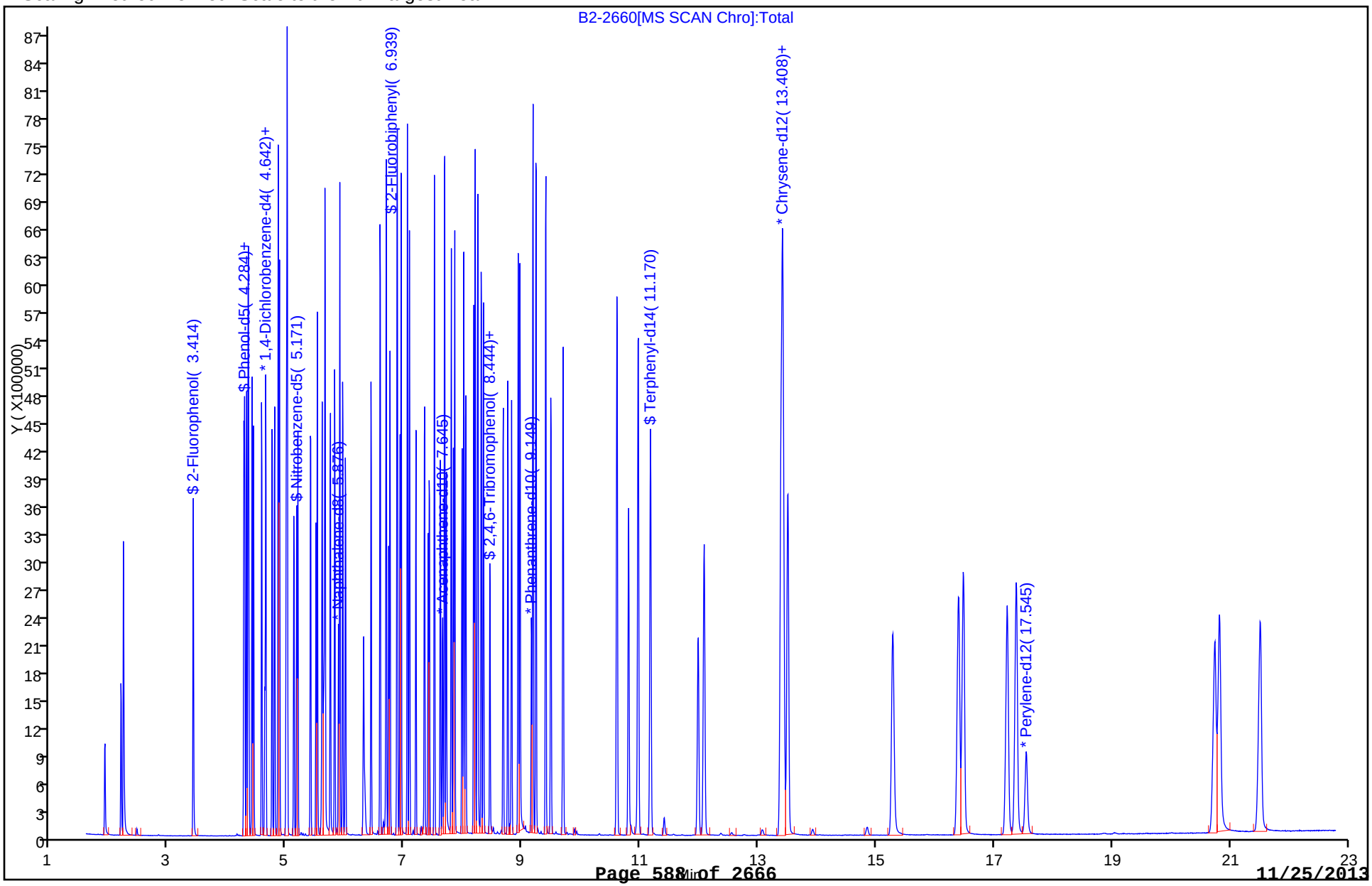
Review Flags
M - Manually Integrated

Report Date: 22-Oct-2013 13:24:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2660.D		
Injection Date:	22-Oct-2013 10:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	30
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

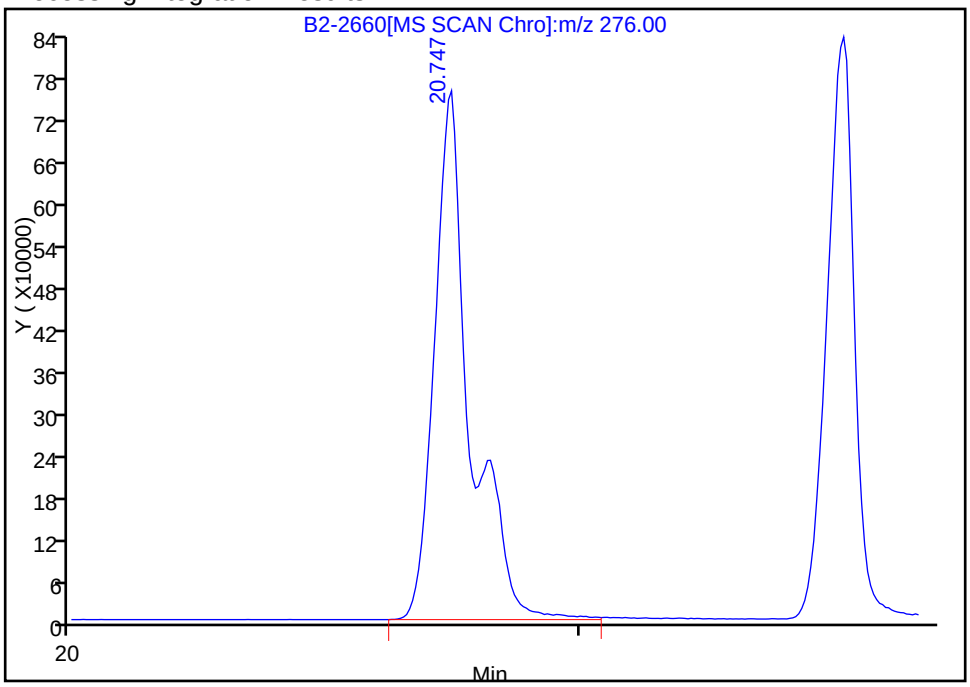
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2660.D		
Injection Date:	22-Oct-2013 10:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	30
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

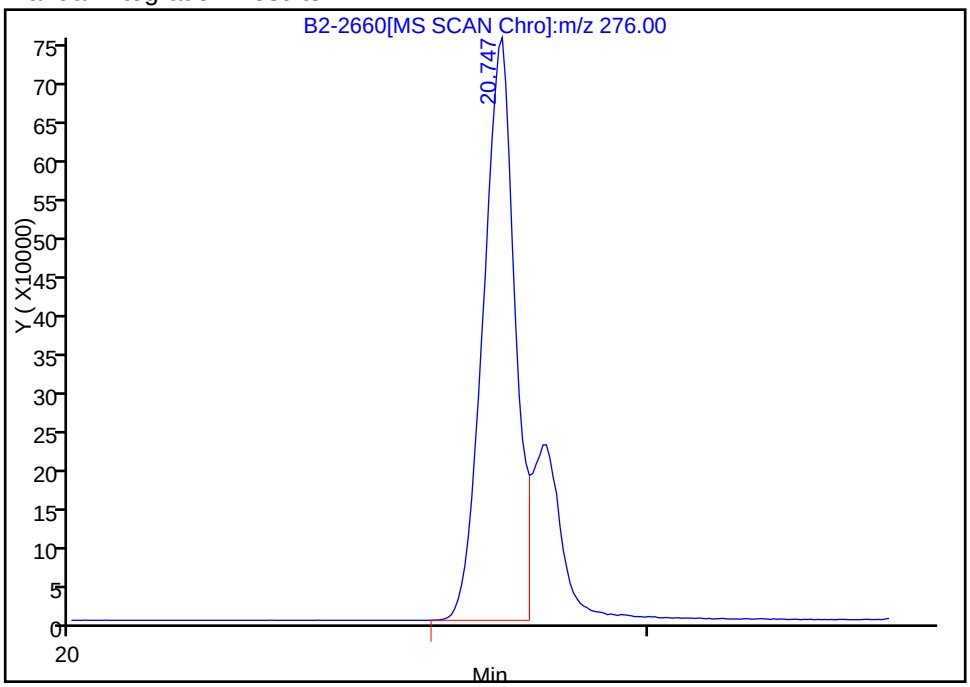
Processing Integration Results

RT: 20.75
Response: 3694358
Amount: 145.7784



Manual Integration Results

RT: 20.75
Response: 2904372
Amount: 117.5873



Reviewer: kiekeld, 22-Oct-2013 10:58:56
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2661.D
Lims ID: STD160 HSL Client ID:
Inject. Date: 22-Oct-2013 10:53:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD160 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 8
Lims Batch ID: 197081 Lims Sample ID: 31
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:24 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:40:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.630	4.631	-0.001	94	225521	40.0	
* 2 Naphthalene-d8	136	5.876	5.876	0.0	98	912821	40.0	
* 3 Acenaphthene-d10	164	7.644	7.645	-0.001	99	537781	40.0	
* 4 Phenanthrene-d10	188	9.154	9.155	-0.001	99	913426	40.0	
* 5 Chrysene-d12	240	13.437	13.432	0.005	97	999267	40.0	
* 6 Perylene-d12	264	17.550	17.545	0.005	99	957448	40.0	
$ 7 2-Fluorophenol	112	3.414	3.414	0.0	97	1254015	158.3	
$ 8 Phenol-d5	99	4.272	4.272	0.0	99	1618247	157.7	
$ 9 Nitrobenzene-d5	82	5.171	5.171	0.0	97	1425240	160.3	
$ 11 2-Fluorobiphenyl	172	6.939	6.940	-0.001	99	2768189	156.2	
$ 12 2,4,6-Tribromophenol	330	8.449	8.450	-0.001	97	438926	173.5	
$ 13 Terphenyl-d14	244	11.170	11.170	0.0	99	3285117	165.5	
19 1,4-Dioxane	88	1.916	1.916	0.0	97	519812	154.8	
20 N-Nitrosodimethylamine	74	2.192	2.192	0.0	100	820992	155.8	
21 Pyridine	79	2.227	2.233	-0.006	96	1473682	158.7	
32 Phenol	94	4.284	4.284	0.0	93	1667501	157.4	
34 Aniline	93	4.319	4.319	0.0	99	2072164	158.0	
35 Alpha Methyl Styrene	118	4.348	4.349	-0.001	93	1288360	157.9	
36 Bis(2-chloroethyl)ether	93	4.360	4.354	0.006	82	1243500	155.6	
38 n-Decane	43	4.413	4.413	0.0	96	1235294	149.6	
39 2-Chlorophenol	128	4.436	4.437	-0.001	97	1336321	159.0	
40 1,3-Dichlorobenzene	146	4.577	4.578	-0.001	98	1399455	156.5	
42 1,4-Dichlorobenzene	146	4.642	4.648	-0.006	97	1435108	155.9	
43 Benzyl alcohol	108	4.754	4.754	0.0	99	878326	163.9	
44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	98	1373271	158.2	
45 2-Methylphenol	108	4.859	4.860	-0.001	99	1218958	160.2	
46 2,2'-oxybis[1-chloropropane]	45	4.859	4.860	-0.001	89	1675629	150.0	
47 Indene	116	4.877	4.877	0.0	93	2133626	157.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.006	5.007	-0.001	90	1252040	156.0	
50 3-Methylphenol	108	5.006	5.007	-0.001	92	1252040	156.0	
51 4-Methylphenol	108	5.006	5.007	-0.001	97	1252040	156.0	
52 N-Nitrosodi-n-propylamine	70	4.994	4.989	0.005	96	929594	157.8	
54 Acetophenone	105	5.012	5.012	0.0	90	1753076	157.5	
58 Hexachloroethane	117	5.118	5.124	-0.006	96	535556	161.1	
59 Nitrobenzene	77	5.188	5.189	-0.001	97	1388172	157.4	
63 Isophorone	82	5.406	5.406	0.0	99	2447631	157.8	
64 2-Nitrophenol	139	5.500	5.500	0.0	97	747791	171.4	
65 2,4-Dimethylphenol	107	5.517	5.518	-0.001	99	1294539	159.6	
68 Benzoic acid	105	5.658	5.629	0.029	96	1887599	341.1	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	93	1499180	155.1	
71 3,5-Dimethylphenol	107	5.652	5.653	-0.001	94	1325316	157.7	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	97	1098790	161.1	
76 1,2,4-Trichlorobenzene	180	5.817	5.817	0.0	96	1179066	156.9	
79 Naphthalene	128	5.899	5.900	-0.001	100	3688701	155.0	
80 4-Chloroaniline	127	5.952	5.953	-0.001	100	1729238	159.6	
83 Hexachlorobutadiene	225	5.999	6.000	-0.001	98	632955	160.9	
86 Caprolactam	55	6.311	6.299	0.012	95	755535	162.9	
89 4-Chloro-3-methylphenol	107	6.434	6.434	0.0	99	1130516	162.1	
93 2-Methylnaphthalene	142	6.587	6.587	0.0	100	2595853	158.6	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	99	2411360	156.3	
97 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	98	646781	167.2	
98 1,2,4,5-Tetrachlorobenzene	216	6.751	6.752	-0.001	96	1155801	159.8	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	92	770490	166.7	
101 2,3-Dichlorobenzenamine	161	6.880	6.881	-0.001	92	1358675	154.8	
102 2,4,5-Trichlorophenol	196	6.922	6.922	0.0	97	841699	168.6	
104 1,1'-Biphenyl	154	7.051	7.051	0.0	96	3047880	154.4	
106 2-Chloronaphthalene	162	7.086	7.081	0.005	100	2438466	157.2	
108 2-Nitroaniline	65	7.192	7.192	0.0	96	886902	165.7	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	2705651	158.6	
112 1,3-Dinitrobenzene	168	7.403	7.398	0.005	82	510814	179.0	
113 2,6-Dinitrotoluene	165	7.421	7.421	0.0	94	685190	168.0	
114 Acenaphthylene	152	7.509	7.504	0.005	100	3926642	157.4	
115 3-Nitroaniline	138	7.609	7.609	0.0	97	829204	167.0	
117 Acenaphthene	153	7.680	7.680	0.0	99	2525796	156.7	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	92	796949	334.4	
119 4-Nitrophenol	109	7.797	7.792	0.005	98	810740	349.0	
122 2,4-Dinitrotoluene	165	7.832	7.827	0.005	96	902616	169.2	
123 Dibenzofuran	168	7.850	7.850	0.0	99	3412479	154.6	
125 2,3,4,6-Tetrachlorophenol	232	7.973	7.974	-0.001	71	688982	177.7	
127 Hexadecane	57	8.003	8.003	0.0	96	1884724	154.3	
130 Diethyl phthalate	149	8.038	8.038	0.0	99	2689411	157.9	
134 4-Chlorophenyl phenyl ether	204	8.173	8.173	0.0	97	1316787	160.5	
135 Fluorene	166	8.197	8.197	0.0	100	2874891	156.0	
138 4-Nitroaniline	138	8.244	8.232	0.012	94	811778	165.0	
139 4,6-Dinitro-2-methylphenol	198	8.249	8.244	0.005	89	1052155	330.7	
141 N-Nitrosodiphenylamine	169	8.302	8.303	-0.001	97	2117160	159.3	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	97	2926757	159.9	
144 Azobenzene	77	8.338	8.338	0.0	97	2926757	158.1	
147 2,4,6 - Tribromophenol	330	8.449	8.450	-0.001	97	448419	175.5	
156 4-Bromophenyl phenyl ether	248	8.672	8.673	-0.001	98	810300	164.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.755	8.755	0.0	97	956575	163.7	
159 Atrazine	200	8.819	8.814	0.005	96	688598	164.9	
161 n-Octadecane	85	8.925	8.926	-0.001	96	675019	159.1	
163 Pentachlorophenol	266	8.960	8.955	0.005	98	1102201	343.8	
168 Phenanthrene	178	9.178	9.178	0.0	99	4060335	156.6	
169 Anthracene	178	9.231	9.231	0.0	100	4171779	156.5	
170 Carbazole	167	9.395	9.396	-0.001	99	4053910	156.2	
171 Alachlor	188	9.483	9.484	-0.001	97	528575	165.1	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	4580447	161.1	
179 Fluoranthene	202	10.606	10.600	0.006	100	4533438	161.0	
181 Benzidine	184	10.799	10.800	-0.001	73	2590640	165.2	
182 Pyrene	202	10.964	10.964	0.0	99	4669676	163.4	
188 Famphur	218	11.980	11.981	-0.001	98	1369742	154.8	
190 Butyl benzyl phthalate	149	12.080	12.081	-0.001	99	2126755	171.2	
195 Bis(2-ethylhexyl) phthalate	149	13.420	13.414	0.006	95	2870909	173.1	
197 3,3'-Dichlorobenzidine	252	13.385	13.379	0.006	98	1767475	171.8	
198 Benzo[a]anthracene	228	13.414	13.409	0.006	99	4434267	163.3	
199 Chrysene	228	13.508	13.503	0.006	99	4182734	162.0	
201 Di-n-octyl phthalate	149	15.282	15.283	-0.001	99	4793955	169.4	
203 Benzo[b]fluoranthene	252	16.399	16.399	0.0	95	4399378	166.1	
204 Benzo[k]fluoranthene	252	16.487	16.476	0.011	96	4680294	166.8	
206 Benzo[e]pyrene	252	17.227	17.216	0.011	97	3819077	164.0	
207 Benzo[a]pyrene	252	17.386	17.374	0.012	99	4435898	167.4	
213 Dibenz(a,h)anthracene	278	20.835	20.817	0.018	75	4209065	169.1	
214 Indeno[1,2,3-cd]pyrene	276	20.752	20.735	0.017	71	4100446	168.9	M
215 Benzo[g,h,i]perylene	276	21.528	21.505	0.023	96	4344478	164.5	
S 217 Total Cresols	108				0		316.3	
S 218 Methyl Phenols,Total	108				0		316.3	

QC Flag Legend

Review Flags
M - Manually Integrated

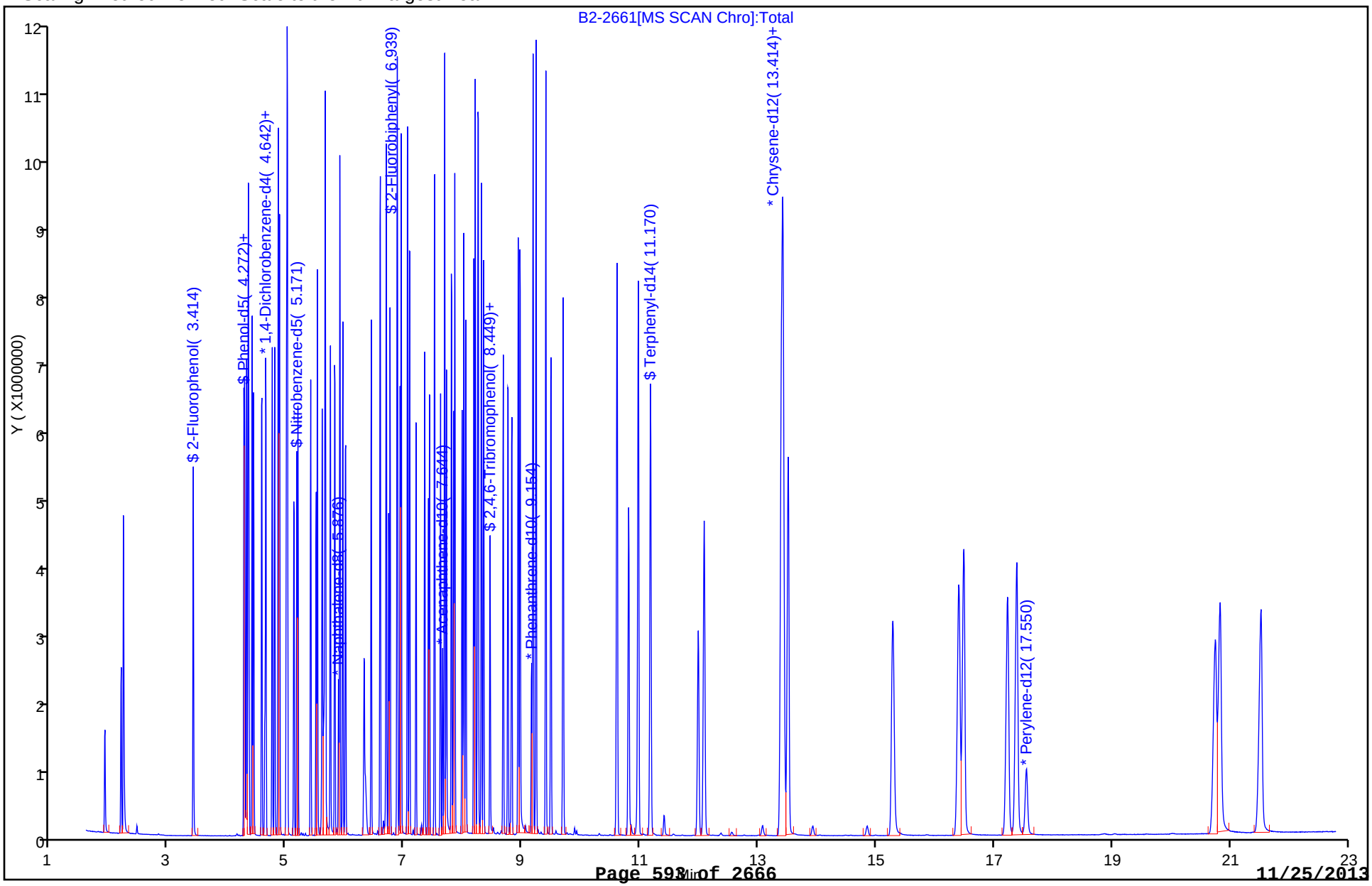
Report Date: 22-Oct-2013 13:24:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2661.D

Injection Date:	22-Oct-2013 10:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



11/25/2013

Manual Integration/User Assign Peak Report

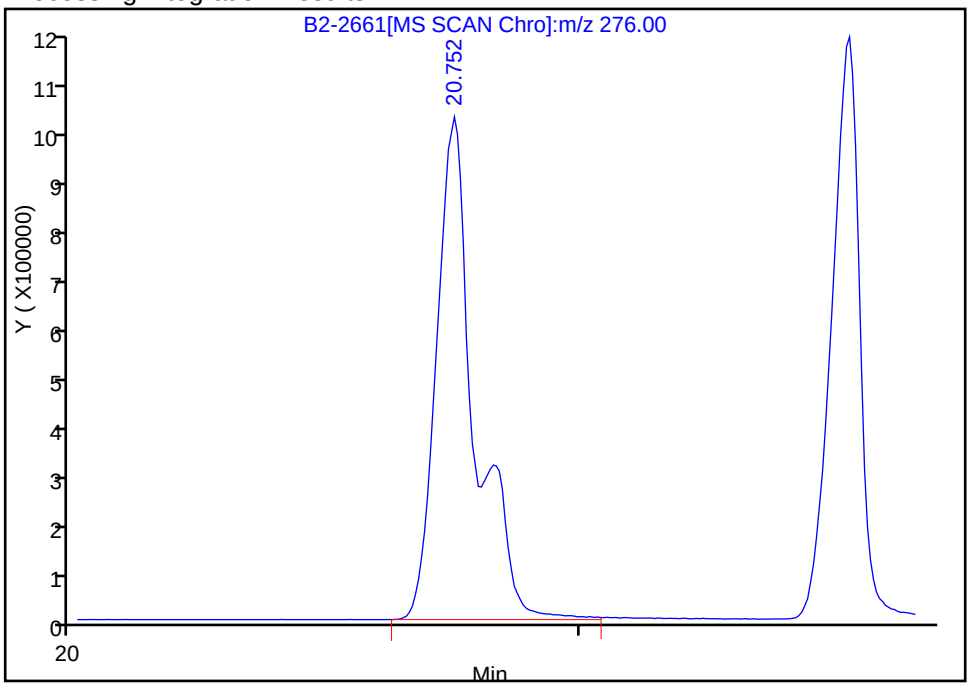
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2661.D		
Injection Date:	22-Oct-2013 10:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

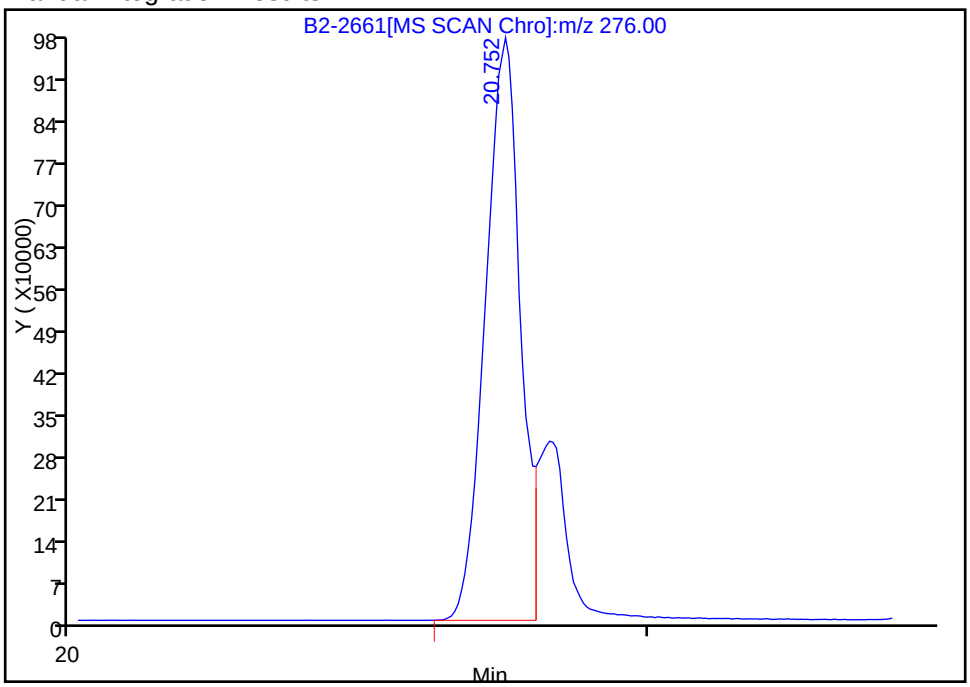
Processing Integration Results

RT: 20.75
Response: 5096991
Amount: 197.5161



Manual Integration Results

RT: 20.75
Response: 4100446
Amount: 168.8985



Reviewer: kiekeld, 22-Oct-2013 12:40:59
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Lims ID: STD200 HSL Client ID:
Inject. Date: 22-Oct-2013 11:23:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 9
Lims Batch ID: 197081 Lims Sample ID: 32
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:25 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:43:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	91	215112	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	99	858048	40.0	
* 3 Acenaphthene-d10	164	7.645	7.645	0.0	99	502066	40.0	
* 4 Phenanthrene-d10	188	9.155	9.155	0.0	99	857246	40.0	
* 5 Chrysene-d12	240	13.438	13.432	0.006	89	957686	40.0	
* 6 Perylene-d12	264	17.551	17.545	0.006	95	915828	40.0	
$ 7 2-Fluorophenol	112	3.415	3.414	0.001	97	1457293	192.8	
$ 8 Phenol-d5	99	4.273	4.272	0.001	100	1861964	190.3	
$ 9 Nitrobenzene-d5	82	5.172	5.171	0.001	97	1646722	197.1	
$ 11 2-Fluorobiphenyl	172	6.940	6.940	0.0	99	3124871	188.9	
$ 12 2,4,6-Tribromophenol	330	8.450	8.450	0.0	98	508028	215.1	
$ 13 Terphenyl-d14	244	11.171	11.170	0.001	99	3753657	197.3	
19 1,4-Dioxane	88	1.917	1.916	0.001	96	610887	190.8	
20 N-Nitrosodimethylamine	74	2.193	2.192	0.001	100	979205	194.8	
21 Pyridine	79	2.228	2.233	-0.005	96	1725070	194.8	
32 Phenol	94	4.285	4.284	0.0	93	1920426	190.1	
34 Aniline	93	4.320	4.319	0.001	99	2373739	189.7	
35 Alpha Methyl Styrene	118	4.349	4.349	0.0	94	1480083	190.1	
36 Bis(2-chloroethyl)ether	93	4.361	4.354	0.007	82	1431274	187.8	
38 n-Decane	43	4.414	4.413	0.001	96	1412787	179.4	
39 2-Chlorophenol	128	4.437	4.437	0.0	96	1542694	192.4	
40 1,3-Dichlorobenzene	146	4.578	4.578	0.0	98	1610987	188.8	
42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	97	1649829	187.8	
43 Benzyl alcohol	108	4.755	4.754	0.001	99	1000855	195.8	
44 1,2-Dichlorobenzene	146	4.796	4.795	0.001	98	1578002	190.6	
45 2-Methylphenol	108	4.860	4.860	0.0	98	1380430	190.2	
46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	98	1910266	179.3	
47 Indene	116	4.878	4.877	0.001	92	2446660	188.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.007	5.007	0.0	91	1441370	188.3	
50 3-Methylphenol	108	5.007	5.007	0.0	92	1441370	188.3	
51 4-Methylphenol	108	5.007	5.007	0.0	97	1441370	188.3	
52 N-Nitrosodi-n-propylamine	70	4.995	4.989	0.006	96	1059900	188.6	
54 Acetophenone	105	5.013	5.012	0.001	91	1990411	187.4	
58 Hexachloroethane	117	5.119	5.124	-0.005	96	620028	195.6	
59 Nitrobenzene	77	5.189	5.189	0.0	97	1601615	193.2	
63 Isophorone	82	5.407	5.406	0.001	100	2792266	191.5	
64 2-Nitrophenol	139	5.501	5.500	0.001	97	861950	210.2	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	99	1467858	192.5	
68 Benzoic acid	105	5.671	5.629	0.042	90	2203524	421.0	
69 Bis(2-chloroethoxy)methane	93	5.601	5.600	0.001	93	1717769	189.1	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	97	1509424	191.1	
74 2,4-Dichlorophenol	162	5.742	5.741	0.001	97	1260191	196.6	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	93	1350775	191.2	
79 Naphthalene	128	5.900	5.900	0.0	100	4174958	186.7	
80 4-Chloroaniline	127	5.953	5.953	0.0	100	1954180	191.9	
83 Hexachlorobutadiene	225	6.000	6.000	0.0	99	726540	196.5	
86 Caprolactam	55	6.317	6.299	0.018	94	867265	198.9	
89 4-Chloro-3-methylphenol	107	6.435	6.434	0.001	99	1291207	197.0	
93 2-Methylnaphthalene	142	6.588	6.587	0.001	99	2926984	190.2	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	99	2762499	190.5	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	98	761453	208.8	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	96	1329965	195.7	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	93	882482	204.6	
101 2,3-Dichlorobenzenamine	161	6.881	6.881	0.0	90	1546173	188.7	
102 2,4,5-Trichlorophenol	196	6.923	6.922	0.001	98	978314	209.9	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	97	3461776	187.9	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	2755328	190.3	
108 2-Nitroaniline	65	7.193	7.192	0.001	97	996712	199.4	
111 Dimethyl phthalate	163	7.340	7.339	0.001	99	3075142	193.1	
112 1,3-Dinitrobenzene	168	7.404	7.398	0.006	82	585715	219.8	
113 2,6-Dinitrotoluene	165	7.422	7.421	0.001	93	759236	199.4	
114 Acenaphthylene	152	7.510	7.504	0.006	99	4433222	190.3	
115 3-Nitroaniline	138	7.610	7.609	0.001	97	942975	203.4	
117 Acenaphthene	153	7.681	7.680	0.001	99	2864244	190.3	
118 2,4-Dinitrophenol	184	7.710	7.709	0.001	92	931337	413.5	
119 4-Nitrophenol	109	7.798	7.792	0.006	98	926715	427.3	
122 2,4-Dinitrotoluene	165	7.833	7.827	0.006	97	1022360	205.2	
123 Dibenzofuran	168	7.851	7.850	0.001	100	3822997	185.5	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	74	784204	216.7	
127 Hexadecane	57	8.004	8.003	0.001	96	2093263	183.6	
130 Diethyl phthalate	149	8.039	8.038	0.001	100	3044612	191.5	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	97	1476192	192.7	
135 Fluorene	166	8.198	8.197	0.001	100	3297293	191.6	
138 4-Nitroaniline	138	8.245	8.232	0.013	94	930291	202.6	
139 4,6-Dinitro-2-methylphenol	198	8.250	8.244	0.006	85	1221622	407.2	
141 N-Nitrosodiphenylamine	169	8.303	8.303	0.0	97	2410845	193.3	
143 1,2-Diphenylhydrazine	77	8.339	8.338	0.001	97	3282406	192.1	
144 Azobenzene	77	8.339	8.338	0.001	97	3282406	190.0	
147 2,4,6 - Tribromophenol	330	8.450	8.450	0.0	98	510683	214.1	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	98	911129	196.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.756	8.755	0.001	97	1079704	196.9	
159 Atrazine	200	8.820	8.814	0.006	95	753862	192.3	
161 n-Octadecane	85	8.926	8.926	0.0	96	762338	191.5	
163 Pentachlorophenol	266	8.961	8.955	0.006	99	1258326	416.0	
168 Phenanthrene	178	9.179	9.178	0.001	99	4571895	187.9	
169 Anthracene	178	9.232	9.231	0.001	100	4689882	187.5	
170 Carbazole	167	9.396	9.396	0.0	99	4580432	188.1	
171 Alachlor	188	9.484	9.484	0.0	97	607569	202.2	
173 Di-n-butyl phthalate	149	9.690	9.689	0.001	100	5147089	192.9	
179 Fluoranthene	202	10.607	10.600	0.006	100	5156278	195.2	
181 Benzidine	184	10.800	10.800	0.0	73	2956041	196.7	
182 Pyrene	202	10.965	10.964	0.001	96	5332800	194.7	
188 Famphur	218	11.981	11.981	0.0	98	1544596	182.1	
190 Butyl benzyl phthalate	149	12.081	12.081	0.0	99	2465592	207.1	
195 Bis(2-ethylhexyl) phthalate	149	13.415	13.414	0.001	95	3276305	206.1	
197 3,3'-Dichlorobenzidine	252	13.391	13.379	0.012	97	2048299	207.7	
198 Benzo[a]anthracene	228	13.415	13.409	0.007	99	5144774	197.7	
199 Chrysene	228	13.509	13.503	0.007	99	4827686	195.1	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	100	5658369	208.3	
203 Benzo[b]fluoranthene	252	16.406	16.399	0.007	95	5225742	206.2	
204 Benzo[k]fluoranthene	252	16.494	16.476	0.018	96	5425106	202.2	
206 Benzo[e]pyrene	252	17.234	17.216	0.018	95	4503528	202.2	
207 Benzo[a]pyrene	252	17.393	17.374	0.019	97	5253090	207.3	
213 Dibenz(a,h)anthracene	278	20.836	20.817	0.019	73	4998218	209.9	
214 Indeno[1,2,3-cd]pyrene	276	20.759	20.735	0.024	71	4908564	211.0	M
215 Benzo[g,h,i]perylene	276	21.535	21.505	0.030	96	5150913	203.9	
S 217 Total Cresols	108				0		378.5	
S 218 Methyl Phenols,Total	108				0		378.5	

QC Flag Legend

Review Flags
M - Manually Integrated

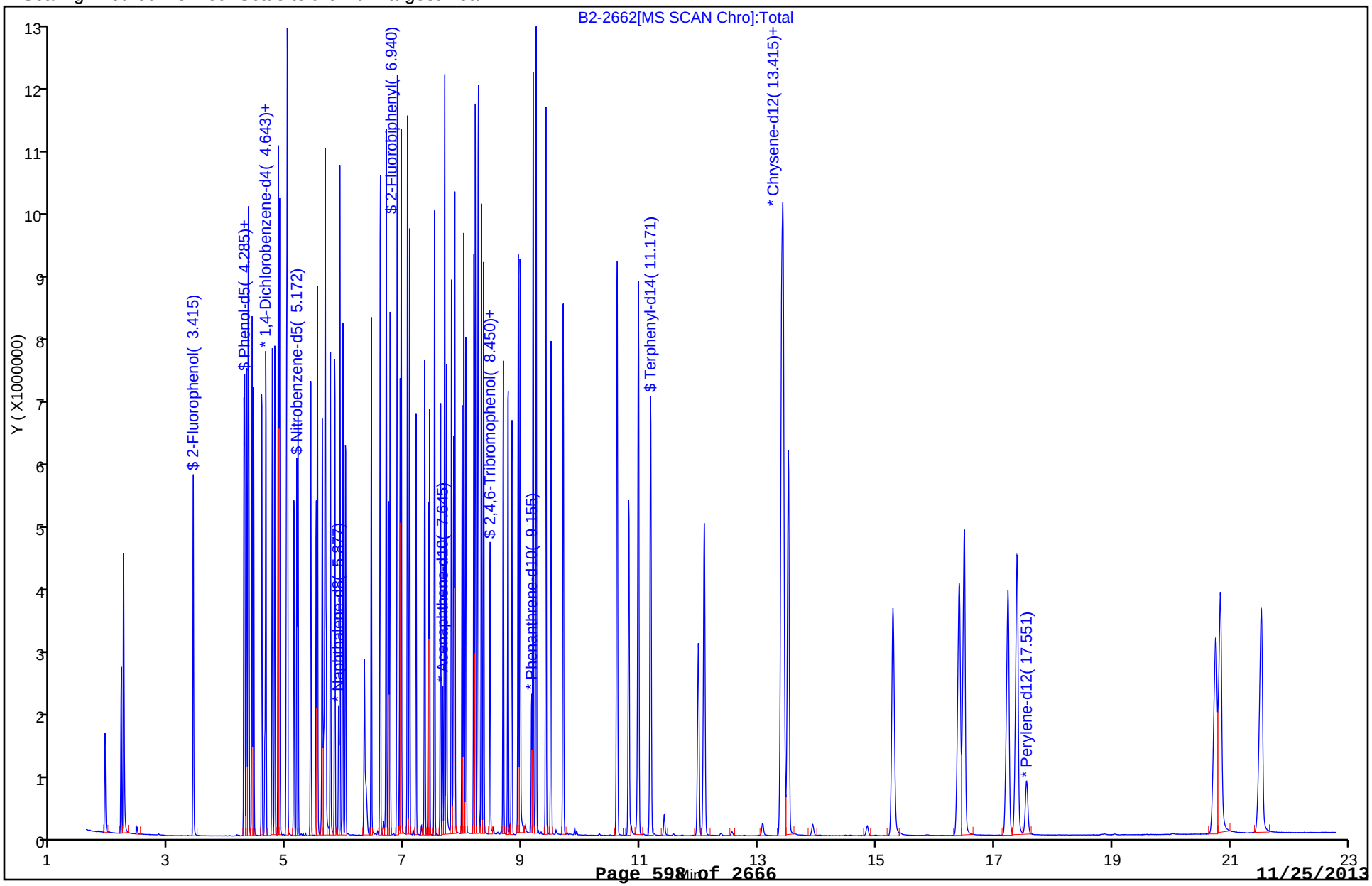
Report Date: 22-Oct-2013 13:24:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D

Injection Date:	22-Oct-2013 11:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

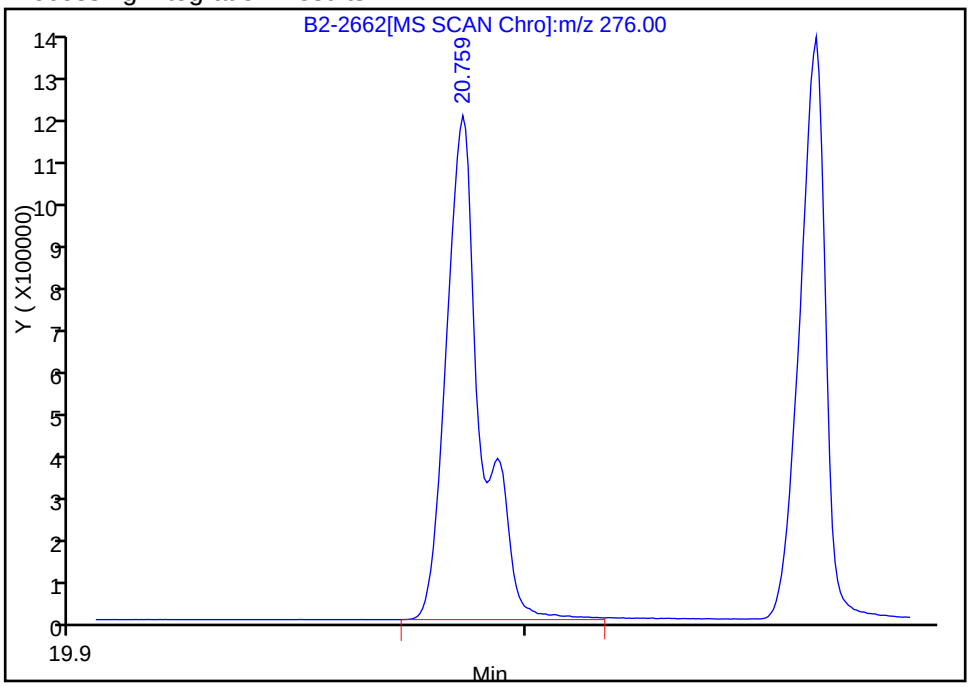
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D		
Injection Date:	22-Oct-2013 11:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

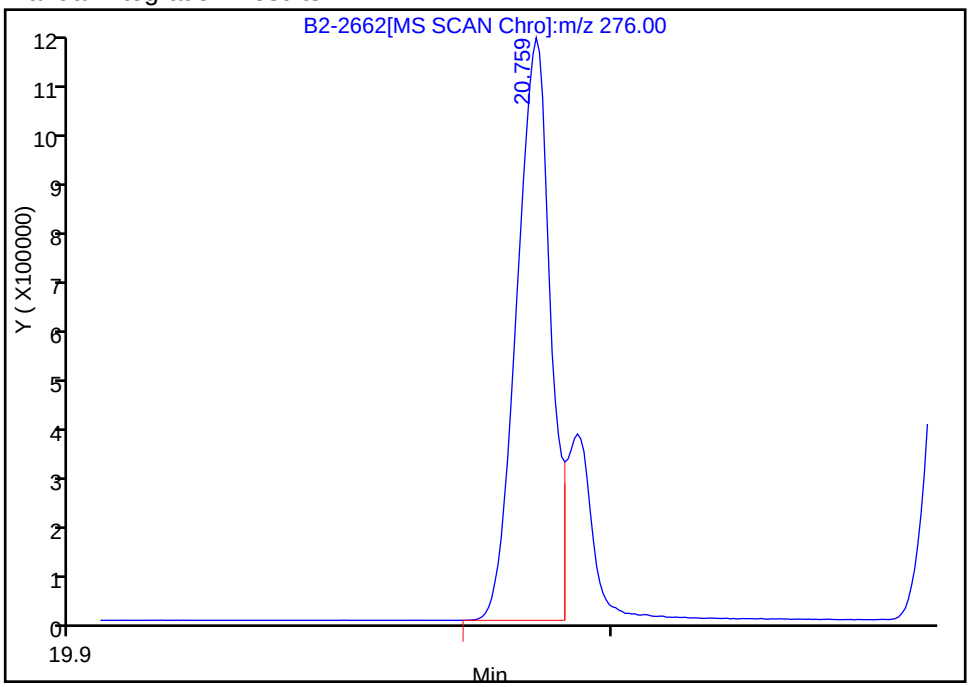
Processing Integration Results

RT: 20.76
Response: 6057592
Amount: 252.5524



Manual Integration Results

RT: 20.76
Response: 4908564
Amount: 210.9636



Reviewer: kiekeld, 22-Oct-2013 12:43:22
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197087/16	B2-2668.D
Level 2	STD020 280-197087/17	B2-2669.D
Level 3	STD050 280-197087/18	B2-2670.D
Level 4	STD080 280-197087/15	B2-2667.D
Level 5	STD120 280-197087/19	B2-2671.D
Level 6	STD160 280-197087/20	B2-2672.D
Level 7	STD200 280-197087/21	B2-2673.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Picoline	1.5349 1.4746	1.4968 1.3935	1.5204	1.4957	1.4671	Ave		1.4833				3.1		15.0			
N-Nitrosomethylethylamine	0.6515 0.6587	0.6569 0.6298	0.6653	0.6520	0.6531	Ave		0.6525				1.7		15.0			
Methyl methanesulfonate	0.8734 0.7912	0.8667 0.7466	0.8706	0.8464	0.7977	Ave		0.8275				6.0		15.0			
N-Nitrosodiethylamine	0.6306 0.6491	0.6438 0.6232	0.6658	0.6495	0.6392	Ave		0.6430				2.2		15.0			
Ethyl methanesulfonate	1.0930 1.0512	1.0908 1.0232	1.0882	1.0720	1.0507	Ave		1.0670				2.5		15.0			
Pentachloroethane	0.4586 0.4639	0.4545 0.4455	0.4671	0.4539	0.4542	Ave		0.4568				1.6		15.0			
N-Nitrosopyrrolidine	0.7392 0.7726	0.7465 0.7493	0.7634	0.7540	0.7587	Ave		0.7548				1.5		15.0			
N-Nitrosomorpholine	0.2784 0.2901	0.2971 0.2857	0.2909	0.2937	0.2861	Ave		0.2889				2.1		15.0			
2-Toluidine	2.2221 2.1336	2.1715 2.0482	2.2191	2.1775	2.1309	Ave		2.1575				2.8		15.0			
N-Nitrosopiperidine	0.1740 0.1804	0.1761 0.1734	0.1797	0.1755	0.1747	Ave		0.1763				1.6		15.0			
o,o',o''-Triethylphosphorothioate	0.1566 0.1553	0.1600 0.1496	0.1543	0.1522	0.1496	Ave		0.1539				2.5		15.0			
alpha,alpha-Dimethyl phenethylamine	0.9167 1.0079	0.9327 0.9982	0.9698	0.9587	0.9738	Ave		0.9654				3.4		15.0			
2,6-Dichlorophenol	0.2485 0.2562	0.2562 0.2454	0.2691	0.2641	0.2598	Ave		0.2570				3.2		15.0			
Hexachloropropene	0.1658 0.2012	0.1773 0.1906	0.1878	0.1880	0.1921	Ave		0.1861				6.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodi-n-butylamine	0.2314 0.2251	0.2226 0.2195	0.2299	0.2247	0.2234	Ave		0.2252				1.8		15.0			
p-Phenylene diamine	0.4460 0.4338	0.4276 0.3860	0.4453	0.4581	0.4373	Ave		0.4334				5.3		15.0			
Safrole, Total	0.2590 0.2723	0.2694 0.2602	0.2735	0.2641	0.2652	Ave		0.2662				2.1		15.0			
1-Chloronaphthalene	1.0714 1.0533	1.0975 1.0061	1.0697	1.0550	1.0402	Ave		1.0562				2.7		15.0			
1,4-Naphthoquinone	0.1928 0.2977	0.2566 0.2619	0.3092	0.2995	0.3103	Ave		0.2754				15.0		15.0			
1,4-Dinitrobenzene	0.1326 0.1993	0.1547 0.1948	0.1773	0.1805	0.1916	Ave		0.1758				14.0		15.0			
Pentachlorobenzene	0.4858 0.4862	0.4824 0.4690	0.4716	0.4744	0.4750	Ave		0.4778				1.5		15.0			
1-Naphthylamine	1.2276 1.2362	1.2763 1.1756	1.2523	1.2513	1.2333	Ave		1.2361				2.5		15.0			
2-Naphthylamine	1.3019 1.2841	1.3283 1.2287	1.3116	1.2841	1.2614	Ave		1.2857				2.6		15.0			
Thionazin	0.2670 0.2813	0.2743 0.2725	0.2805	0.2786	0.2773	Ave		0.2759				1.8		15.0			
N-Nitro-o-toluidine	0.3468 0.4080	0.3646 0.3875	0.3911	0.3873	0.3954	Ave		0.3830				5.4		15.0			
Diphenylamine	1.1151 1.1162	1.1241 1.0637	1.1181	1.1159	1.1027	Ave		1.1080				1.9		15.0			
Sulfotepp	0.1200 0.1165	0.1192 0.1119	0.1156	0.1179	0.1150	Ave		0.1166				2.4		15.0			
Diallate Peak 1	0.2832 0.2867	0.2906 0.2778	0.2932	0.2913	0.2816	Ave		0.2863				2.0		15.0			
Phorate	0.1276 0.1283	0.1341 0.1259	0.1366	0.1304	0.1265	Ave		0.1299				3.1		15.0			
1,3,5-Trinitrobenzene	0.0309 0.0810	0.0453 0.0782	0.0630	0.0671	0.0742	Lin2	-0.506	0.0774							0.9930		0.9900
Phenacetin	0.3222 0.3728	0.3426 0.3531	0.3689	0.3673	0.3615	Ave		0.3555				5.0		15.0			
Diallate Peak 2	0.2883 0.3225	0.2877 0.3118	0.3143	0.3047	0.3109	Ave		0.3057				4.3		15.0			
Dimethoate	0.2771 0.2428	0.2755 0.2161	0.2776	0.2676	0.2489	Ave		0.2579				9.0		15.0			
4-Aminobiphenyl	0.8377 0.8235	0.8600 0.7989	0.8815	0.8543	0.8284	Ave		0.8406				3.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pentachloronitrobenzene	0.0757 0.0825	0.0797 0.0806	0.0822	0.0826	0.0810	Ave		0.0806				3.0		15.0			
Pronamide	0.3099 0.3152	0.3069 0.3055	0.3166	0.3134	0.3053	Ave		0.3104				1.5		15.0			
Disulfoton	0.3396 0.3359	0.3459 0.3258	0.3499	0.3465	0.3346	Ave		0.3397				2.5		15.0			
Methyl parathion	0.2044 0.2045	0.2272 0.1838	0.2359	0.2318	0.2125	Ave		0.2143				8.7		15.0			
Ethyl Parathion	0.1072 0.1506	0.1332 0.1445	0.1458	0.1501	0.1468	Ave		0.1397				11.0		15.0			
4-Nitroquinoline-1-oxide	0.0410 0.0738	0.0482 0.0698	0.0585	0.0601	0.0677	Lin2	-0.312	0.0689							0.9930		0.9900
Methapyrilene	0.3743 0.2953	0.3804 0.2620	0.3529	0.3470	0.3020	Ave		0.3306				13.0		15.0			
Isodrin	0.1088 0.1203	0.1168 0.1180	0.1191	0.1158	0.1163	Ave		0.1165				3.2		15.0			
Aramite Peak 1	0.0412 0.0710	0.0507 0.0705	0.0663	0.0698	0.0695	Lin2	-0.153	0.0723							0.9980		0.9900
Aramite Peak 2	0.0484 0.0736	0.0556 0.0714	0.0701	0.0717	0.0716	Ave		0.0661				15.0		15.0			
p-Dimethylamino azobenzene	0.2346 0.3034	0.2648 0.2958	0.2992	0.3003	0.2962	Ave		0.2849				9.0		15.0			
Ethyl 4,4'-Dichlorobenzilate	0.2514 0.2973	0.2676 0.2939	0.2895	0.2907	0.2894	Ave		0.2828				6.0		15.0			
3,3'-Dimethylbenzidine	0.6178 0.5989	0.6638 0.5665	0.6475	0.6156	0.5898	Ave		0.6143				5.4		15.0			
2-Acetylaminofluorene	0.2976 0.4692	0.3561 0.4495	0.4340	0.4477	0.4535	Ave		0.4154				15.0		15.0			
4,4'-Methylene bis(2-chloroaniline)	0.1622 0.1822	0.1737 0.1747	0.1855	0.1830	0.1801	Ave		0.1773				4.5		15.0			
7,12-Dimethylbenz(a)anthracene	0.4502 0.5703	0.5012 0.5643	0.5375	0.5426	0.5415	Ave		0.5297				7.8		15.0			
3-Methylcholanthrene	0.4432 0.6222	0.5086 0.6102	0.5701	0.5914	0.5930	Ave		0.5627				11.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197087/16	B2-2668.D
Level 2	STD020 280-197087/17	B2-2669.D
Level 3	STD050 280-197087/18	B2-2670.D
Level 4	STD080 280-197087/15	B2-2667.D
Level 5	STD120 280-197087/19	B2-2671.D
Level 6	STD160 280-197087/20	B2-2672.D
Level 7	STD200 280-197087/21	B2-2673.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Picoline	DCB	Ave	80955 1412034	177103 1689701	461531	658997	1076873	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomethylethylamine	DCB	Ave	34363 630722	77720 763655	201965	287274	479372	10.0 160	20.0 200	50.0	80.0	120
Methyl methanesulfonate	DCB	Ave	46064 757652	102551 905332	264286	372934	585497	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodiethylamine	DCB	Ave	33258 621599	76174 755646	202112	286172	469179	10.0 160	20.0 200	50.0	80.0	120
Ethyl methanesulfonate	DCB	Ave	57645 1006584	129057 1240757	330345	472321	771215	10.0 160	20.0 200	50.0	80.0	120
Pentachloroethane	DCB	Ave	24185 444206	53773 540168	141806	199996	333402	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopyrrolidine	DCB	Ave	38985 739799	88324 908602	231744	332204	556930	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomorpholine	DCB	Ave	14684 277783	35152 346483	88306	129385	210001	10.0 160	20.0 200	50.0	80.0	120
2-Toluidine	DCB	Ave	117196 2043055	256928 2483605	673639	959393	1564115	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopiperidine	NPT	Ave	36566 687250	84031 844272	220370	310936	516056	10.0 160	20.0 200	50.0	80.0	120
o,o',o''-Triethylphosphorothioate	NPT	Ave	32908 591437	76346 728417	189208	269674	441764	10.0 160	20.0 200	50.0	80.0	120
alpha,alpha-Dimethyl phenethylamine	NPT	Ave	192603 3838858	445092 4859107	1189358	1698356	2876029	10.0 160	20.0 200	50.0	80.0	120
2,6-Dichlorophenol	NPT	Ave	52221 975737	122270 1194671	329986	467873	767294	10.0 160	20.0 200	50.0	80.0	120
Hexachloropropene	NPT	Ave	34834 766269	84583 927691	230327	332983	567493	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodi-n-butylamine	NPT	Ave	48611 857419	106229 1068434	281921	398121	659829	10.0 160	20.0 200	50.0	80.0	120

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Phenylene diamine	NPT	Ave	93714 1652358	204031 1878908	546081	811527	1291577	10.0 160	20.0 200	50.0	80.0	120
Safrole, Total	NPT	Ave	54425 1037058	128574 1266743	335423	467780	783159	10.0 160	20.0 200	50.0	80.0	120
1-Chloronaphthalene	ANT	Ave	132382 2354324	305541 2918154	787123	1091558	1806688	10.0 160	20.0 200	50.0	80.0	120
1,4-Naphthoquinone	ANT	Ave	23827 665352	71446 759593	227519	309887	538985	10.0 160	20.0 200	50.0	80.0	120
1,4-Dinitrobenzene	ANT	Ave	16381 445441	43057 564909	130460	186749	332724	10.0 160	20.0 200	50.0	80.0	120
Pentachlorobenzene	ANT	Ave	60031 1086753	134310 1360233	347005	490861	824984	10.0 160	20.0 200	50.0	80.0	120
1-Naphthylamine	ANT	Ave	151687 2763065	355329 3409819	921537	1294624	2141975	10.0 160	20.0 200	50.0	80.0	120
2-Naphthylamine	ANT	Ave	160866 2870140	369796 3563972	965186	1328601	2190817	10.0 160	20.0 200	50.0	80.0	120
Thionazin	ANT	Ave	32992 628693	76377 790354	206431	288221	481706	10.0 160	20.0 200	50.0	80.0	120
N-Nitro-o-toluidine	ANT	Ave	42850 911876	101517 1124017	287792	400731	686761	10.0 160	20.0 200	50.0	80.0	120
Diphenylamine	ANT	Ave	137791 2494924	312942 3085249	822746	1154577	1915233	10.0 160	20.0 200	50.0	80.0	120
Sulfotepp	PHN	Ave	25718 455559	58040 561120	146436	211257	352690	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 1	PHN	Ave	53520 988855	124836 1228205	327649	460525	761587	8.82 141	17.6 176	44.1	70.6	106
Phorate	PHN	Ave	27341 501607	65331 630885	173130	233698	387891	10.0 160	20.0 200	50.0	80.0	120
1,3,5-Trinitrobenzene	PHN	Lin2	6626 316624	22057 391971	79828	120323	227530	10.0 160	20.0 200	50.0	80.0	120
Phenacetin	PHN	Ave	69038 1457958	166868 1770007	467365	658305	1108513	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 2	PHN	Ave	7290 148808	16534 184446	46992	64433	112510	1.18 18.9	2.36 23.6	5.90	9.44	14.2
Dimethoate	PHN	Ave	59377 949418	134184 1083276	351724	479532	763152	10.0 160	20.0 200	50.0	80.0	120
4-Aminobiphenyl	PHN	Ave	179489 3220510	418821 4004548	1116859	1531254	2540314	10.0 160	20.0 200	50.0	80.0	120
Pentachloronitrobenzene	PHN	Ave	16212 322635	38825 404048	104190	147956	248387	10.0 160	20.0 200	50.0	80.0	120
Pronamide	PHN	Ave	66391 1232604	149464 1531557	401085	561685	936267	10.0 160	20.0 200	50.0	80.0	120

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Disulfoton	PHN	Ave	72758 1313476	168462 1632971	443341	620972	1026195	10.0 160	20.0 200	50.0	80.0	120
Methyl parathion	PHN	Ave	43787 799632	110669 921423	298826	415425	651569	10.0 160	20.0 200	50.0	80.0	120
Ethyl Parathion	PHN	Ave	22971 588868	64893 724272	184755	268977	450177	10.0 160	20.0 200	50.0	80.0	120
4-Nitroquinoline-1-oxide	PHN	Lin2	8787 288732	23488 349749	74150	107667	207738	10.0 160	20.0 200	50.0	80.0	120
Methapyrilene	PHN	Ave	80198 1154693	185252 1313484	447113	621914	926083	10.0 160	20.0 200	50.0	80.0	120
Isodrin	PHN	Ave	23314 470634	56861 591719	150924	207565	356547	10.0 160	20.0 200	50.0	80.0	120
Aramite Peak 1	CRY	Lin2	4433 142997	12523 177551	42302	62930	108685	4.61 73.8	9.22 92.2	23.1	36.9	55.3
Aramite Peak 2	CRY	Ave	6087 173303	16072 210053	52274	75654	130978	5.39 86.2	10.8 108	27.0	43.1	64.7
p-Dimethylamino azobenzene	CRY	Ave	54718 1324964	142029 1615039	413916	587483	1005371	10.0 160	20.0 200	50.0	80.0	120
Ethyl 4,4'-Dichlorobenzilate	CRY	Ave	58637 1298021	143487 1604503	400407	568821	982369	10.0 160	20.0 200	50.0	80.0	120
3,3'-Dimethylbenzidine	CRY	Ave	144134 2615275	355986 3093286	895745	1204506	2001822	10.0 160	20.0 200	50.0	80.0	120
2-Acetylaminofluorene	CRY	Ave	69417 2048746	190996 2454033	600408	875887	1539390	10.0 160	20.0 200	50.0	80.0	120
4,4'-Methylene bis(2-chloroaniline)	CRY	Ave	37848 795511	93130 953944	256619	357963	611410	10.0 160	20.0 200	50.0	80.0	120
7,12-Dimethylbenz(a)anthracene	PRY	Ave	100323 2326342	256808 2808297	714303	1006677	1738948	10.0 160	20.0 200	50.0	80.0	120
3-Methylcholanthrene	PRY	Ave	98760 2537669	260612 3036622	757647	1097349	1904198	10.0 160	20.0 200	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2667.D
Lims ID: STD080 AP9 Client ID:
Inject. Date: 22-Oct-2013 13:34:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD080 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 14
Lims Batch ID: 197087 Lims Sample ID: 15
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:41 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 14:19:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	90	220300	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	885746	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	517326	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	896152	40.0	
* 5 Chrysene-d12	240	13.427	13.427	0.0	70	978271	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	97	927713	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	658997	80.7	
24 N-Nitrosomethylethylamine	88	2.980	2.980	0.0	94	287274	79.9	
25 Acrylamide	71	3.227	3.227	0.0	67	249343	83.1	
26 Methyl methanesulfonate	80	3.251	3.251	0.0	89	372934	81.8	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	95	286172	80.8	
29 Ethyl methanesulfonate	79	3.879	3.879	0.0	97	472321	80.4	
37 Pentachloroethane	117	4.361	4.361	0.0	87	199996	79.5	
53 N-Nitrosopyrrolidine	100	4.996	4.996	0.0	86	332204	79.9	
55 N-Nitrosomorpholine	116	5.031	5.031	0.0	89	129385	81.3	
57 2-Toluidine	106	5.048	5.048	0.0	86	959393	80.7	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	84	310936	79.7	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	84	269674	79.1	
73 alpha,alpha-Dimethyl phenethylam	58	5.707	5.707	0.0	97	1698356	79.4	
81 2,6-Dichlorophenol	162	5.953	5.953	0.0	93	467873	82.2	
82 Hexachloropropene	213	5.977	5.977	0.0	86	332983	80.8	
84 Quinoline	129	6.229	6.229	0.0	95	1180404	80.4	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	93	398121	79.8	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	811527	84.6	
90 Safrole, Total	162	6.476	6.476	0.0	87	467780	79.3	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	87	74002	13.8	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	91	103250	66.7	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	97	1091558	79.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.264	7.264	0.0	84	309887	87.0	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	94	186749	82.1	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	490861	79.4	
124 1-Naphthylamine	143	7.939	7.939	0.0	99	1294624	81.0	
129 2-Naphthylamine	143	8.016	8.016	0.0	95	1328601	79.9	
133 Thionazin	97	8.115	8.115	0.0	79	288221	80.8	
137 N-Nitro-o-toluidine	152	8.210	8.210	0.0	95	400731	80.9	
142 Diphenylamine	169	8.298	8.298	0.0	89	1154577	80.6	
146 Sulfotepp	97	8.403	8.403	0.0	79	211257	80.9	
150 Diallate Peak 1	86	8.556	8.556	0.0	96	460525	71.8	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	71	120323	75.9	
152 Phorate	121	8.574	8.574	0.0	93	233698	80.3	
153 Phenacetin	108	8.597	8.597	0.0	92	658305	82.7	
155 Diallate Peak 2	86	8.650	8.650	0.0	95	64433	9.41	
158 Dimethoate	87	8.768	8.768	0.0	94	479532	83.0	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	87	1531254	81.3	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	84	147956	81.9	
165 Pronamide	173	8.967	8.967	0.0	87	561685	80.8	
166 Disulfoton	88	9.097	9.097	0.0	95	620972	81.6	
167 Dinoseb	211	9.108	9.108	0.0	94	255269	75.4	
172 Methyl parathion	109	9.502	9.502	0.0	94	415425	86.5	
174 Ethyl Parathion	109	9.931	9.931	0.0	84	268977	85.9	
175 4-Nitroquinoline-1-oxide	190	10.049	10.049	0.0	91	107667	74.3	M
176 Methapyrilene	97	10.066	10.066	0.0	95	621914	84.0	
178 Isodrin	193	10.366	10.366	0.0	92	207565	79.6	
183 Aramite Peak 1	185	11.083	11.083	0.0	96	62930	37.7	
185 Aramite Peak 2	185	11.212	11.212	0.0	94	75654	46.8	
186 p-Dimethylamino azobenzene	120	11.423	11.423	0.0	95	587483	84.3	
187 Chlorobenzilate	251	11.482	11.482	0.0	91	568821	82.2	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	1204506	80.2	
194 2-Acetylaminofluorene	181	12.669	12.669	0.0	93	875887	86.2	
196 4,4'-Methylene bis(2-chloroanili	231	13.380	13.380	0.0	92	357963	82.5	
200 6-Methylchrysene	242	14.702	14.702	0.0	99	1506323	82.0	
202 7,12-Dimethylbenz(a)anthracene	256	16.376	16.376	0.0	82	1006677	81.9	
209 3-Methylcholanthrene	268	18.439	18.439	0.0	73	1097349	84.1	
211 Dibenz[a,h]acridine	279	20.090	20.090	0.0	80	1637468	83.3	
212 Dibenz[a,j]acridine	279	20.242	20.242	0.0	100	1655769	82.5	
S 219 Isosafrole	162				0		80.6	
S 220 Diallate	86				0		81.2	
S 221 Aramite, Total	185				0		84.5	

QC Flag Legend

Review Flags
M - Manually Integrated

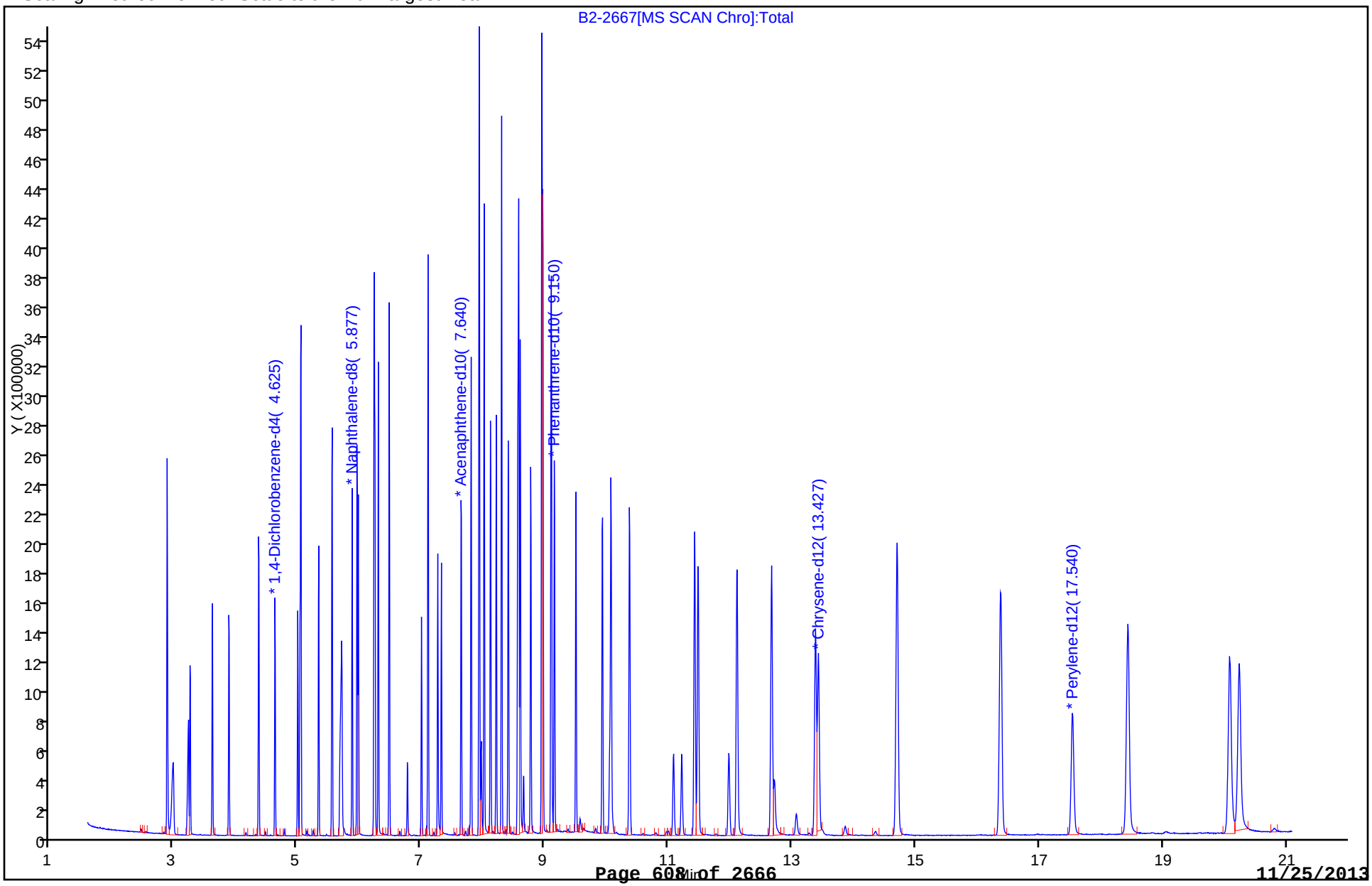
Report Date: 23-Oct-2013 06:54:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2667.D

Injection Date:	22-Oct-2013 13:34:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	15
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

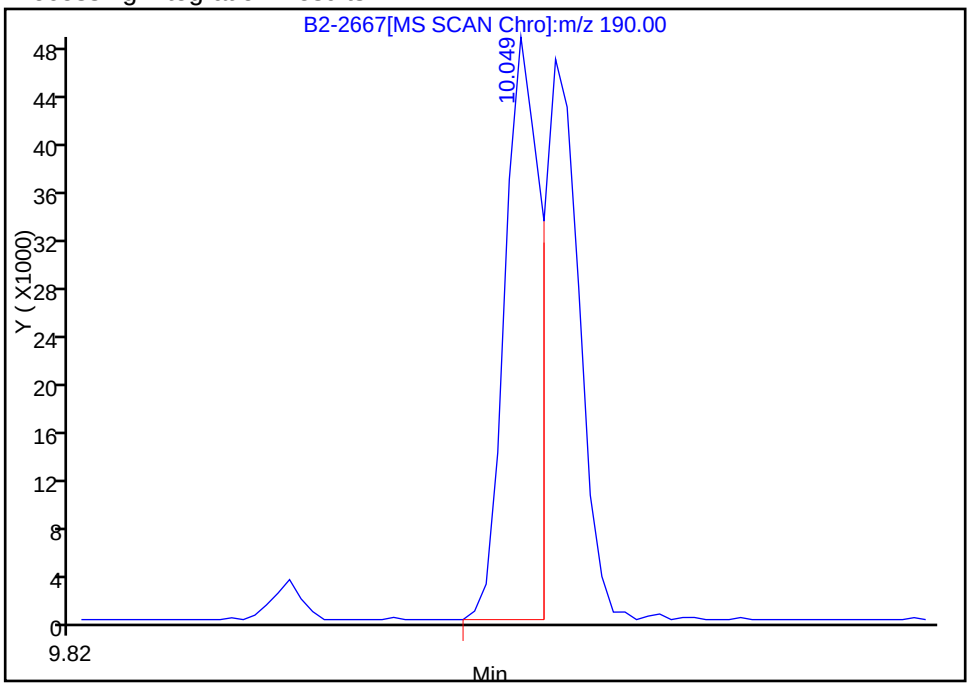
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2667.D		
Injection Date:	22-Oct-2013 13:34:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	15
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

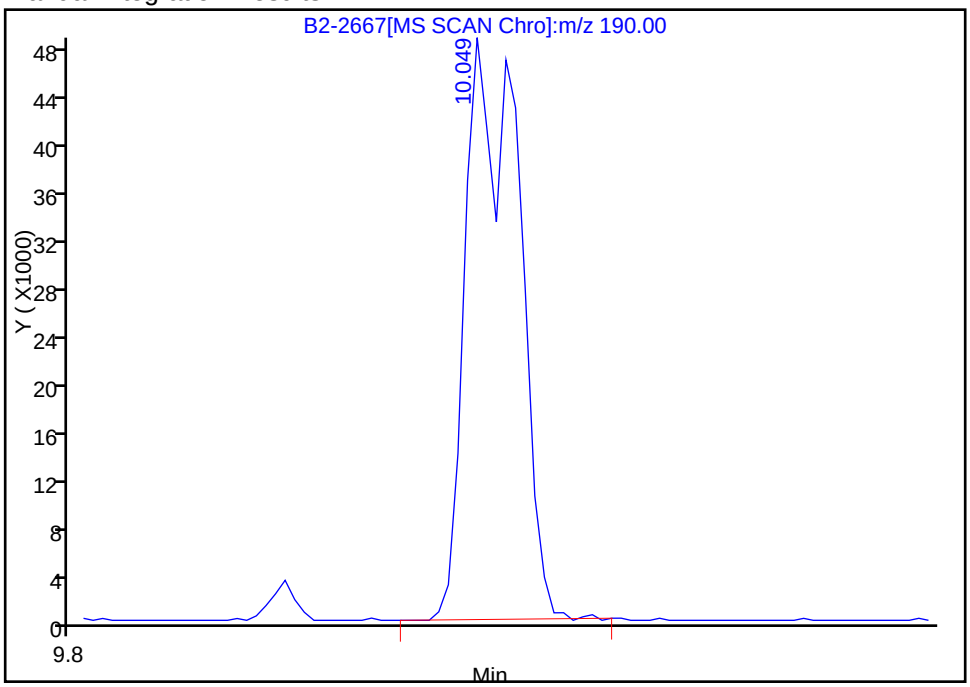
Processing Integration Results

RT: 10.05
Response: 61859
Amount: 80.000000



Manual Integration Results

RT: 10.05
Response: 107667
Amount: 74.293933



Reviewer: kiekeld, 22-Oct-2013 14:19:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D
Lims ID: STD010 AP9 Client ID:
Inject. Date: 22-Oct-2013 14:03:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD010 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 15
Lims Batch ID: 197087 Lims Sample ID: 16
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:42 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:12:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.625	0.002	92	210968	40.0	
* 2 Naphthalene-d8	136	5.878	5.877	0.001	99	840422	40.0	
* 3 Acenaphthene-d10	164	7.641	7.640	0.001	99	494252	40.0	
* 4 Phenanthrene-d10	188	9.151	9.150	0.001	99	857032	40.0	
* 5 Chrysene-d12	240	13.428	13.427	0.001	67	933137	40.0	
* 6 Perylene-d12	264	17.541	17.540	0.001	98	891355	40.0	
23 2-Picoline	93	2.882	2.880	0.002	95	80955	10.3	
24 N-Nitrosomethylethylamine	88	2.976	2.980	-0.004	89	34363	9.99	
25 Acrylamide	71	3.199	3.227	-0.028	67	23178	8.07	
26 Methyl methanesulfonate	80	3.246	3.251	-0.005	88	46064	10.6	
27 N-Nitrosodiethylamine	102	3.610	3.615	-0.005	91	33258	9.81	
29 Ethyl methanesulfonate	79	3.880	3.879	0.001	97	57645	10.2	
37 Pentachloroethane	117	4.362	4.361	0.001	86	24185	10.0	
53 N-Nitrosopyrrolidine	100	4.991	4.996	-0.005	87	38985	9.79	
55 N-Nitrosomorpholine	116	5.026	5.031	-0.005	94	14684	9.64	
57 2-Toluidine	106	5.044	5.048	-0.004	86	117196	10.3	
61 N-Nitrosopiperidine	114	5.332	5.336	-0.004	81	36566	9.87	
67 o,o',o''-Triethylphosphorothioat	198	5.549	5.554	-0.005	87	32908	10.2	
73 alpha,alpha-Dimethyl phenethylam	58	5.678	5.707	-0.029	86	192603	9.50	M
81 2,6-Dichlorophenol	162	5.955	5.953	0.002	93	52221	9.67	
82 Hexachloropropene	213	5.978	5.977	0.001	89	34834	8.91	
84 Quinoline	129	6.231	6.229	0.002	96	141480	10.1	
85 N-Nitrosodi-n-butylamine	84	6.242	6.247	-0.005	91	48611	10.3	
87 p-Phenylene diamine	108	6.301	6.300	0.001	95	93714	10.3	
90 Safrole, Total	162	6.477	6.476	0.001	87	54425	9.73	
99 Isosafrole Peak 1	162	6.771	6.770	0.001	88	8350	1.63	
103 Isosafrole Peak 2	104	7.000	6.999	0.001	90	11849	8.01	
107 1-Chloronaphthalene	162	7.106	7.105	0.001	97	132382	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.265	7.264	0.001	87	23827	7.00	
110 1,4-Dinitrobenzene	168	7.318	7.322	-0.004	94	16381	7.54	
121 Pentachlorobenzene	250	7.805	7.804	0.001	96	60031	10.2	
124 1-Naphthylamine	143	7.935	7.939	-0.004	99	151687	9.93	
129 2-Naphthylamine	143	8.011	8.016	-0.005	95	160866	10.1	
133 Thionazin	97	8.117	8.115	0.002	77	32992	9.68	
137 N-Nitro-o-toluidine	152	8.205	8.210	-0.005	96	42850	9.06	
142 Diphenylamine	169	8.293	8.298	-0.005	89	137791	10.1	
146 Sulfotepp	97	8.405	8.403	0.002	80	25718	10.3	
150 Diallate Peak 1	86	8.557	8.556	0.001	96	53520	8.72	
151 1,3,5-Trinitrobenzene	213	8.569	8.574	-0.005	68	6626	10.5	
152 Phorate	121	8.569	8.574	-0.005	92	27341	9.82	
153 Phenacetin	108	8.593	8.597	-0.004	93	69038	9.06	
155 Diallate Peak 2	86	8.651	8.650	0.001	84	7290	1.11	
158 Dimethoate	87	8.763	8.768	-0.005	94	59377	10.7	
162 4-Aminobiphenyl	169	8.945	8.944	0.001	86	179489	9.97	
164 Pentachloronitrobenzene	237	8.951	8.956	-0.005	83	16212	9.39	
165 Pronamide	173	8.963	8.967	-0.004	87	66391	9.98	
166 Disulfoton	88	9.092	9.097	-0.005	96	72758	10.0	
167 Dinoseb	211	9.104	9.108	-0.004	84	12383	10.6	
172 Methyl parathion	109	9.497	9.502	-0.005	91	43787	9.54	
174 Ethyl Parathion	109	9.926	9.931	-0.005	80	22971	7.67	
175 4-Nitroquinoline-1-oxide	190	10.073	10.049	0.024	64	8787	10.5	M
176 Methapyrilene	97	10.067	10.066	0.001	97	80198	11.3	
178 Isodrin	193	10.367	10.366	0.001	91	23314	9.34	
183 Aramite Peak 1	185	11.084	11.083	0.001	79	4433	4.75	
185 Aramite Peak 2	185	11.213	11.212	0.001	83	6087	3.95	
186 p-Dimethylamino azobenzene	120	11.419	11.423	-0.004	95	54718	8.23	
187 Chlorobenzilate	251	11.477	11.482	-0.005	89	58637	8.89	
191 3,3'-Dimethylbenzidine	212	12.106	12.111	-0.005	96	144134	10.1	
194 2-Acetylaminofluorene	181	12.658	12.669	-0.011	93	69417	7.16	
196 4,4'-Methylene bis(2-chloroanili	231	13.375	13.380	-0.005	91	37848	9.15	
200 6-Methylchrysene	242	14.691	14.702	-0.011	98	163141	9.31	
202 7,12-Dimethylbenz(a)anthracene	256	16.372	16.376	-0.004	85	100323	8.50	
209 3-Methylcholanthrene	268	18.428	18.439	-0.011	74	98760	7.88	
211 Dibenz[a,h]acridine	279	20.073	20.090	-0.017	58	156629	8.29	
212 Dibenz[a,j]acridine	279	20.226	20.242	-0.016	99	162804	8.45	
S 219 Isosafrole	162				0		9.65	
S 220 Diallate	86				0		9.84	
S 221 Aramite, Total	185				0		8.70	

QC Flag Legend

Review Flags
M - Manually Integrated

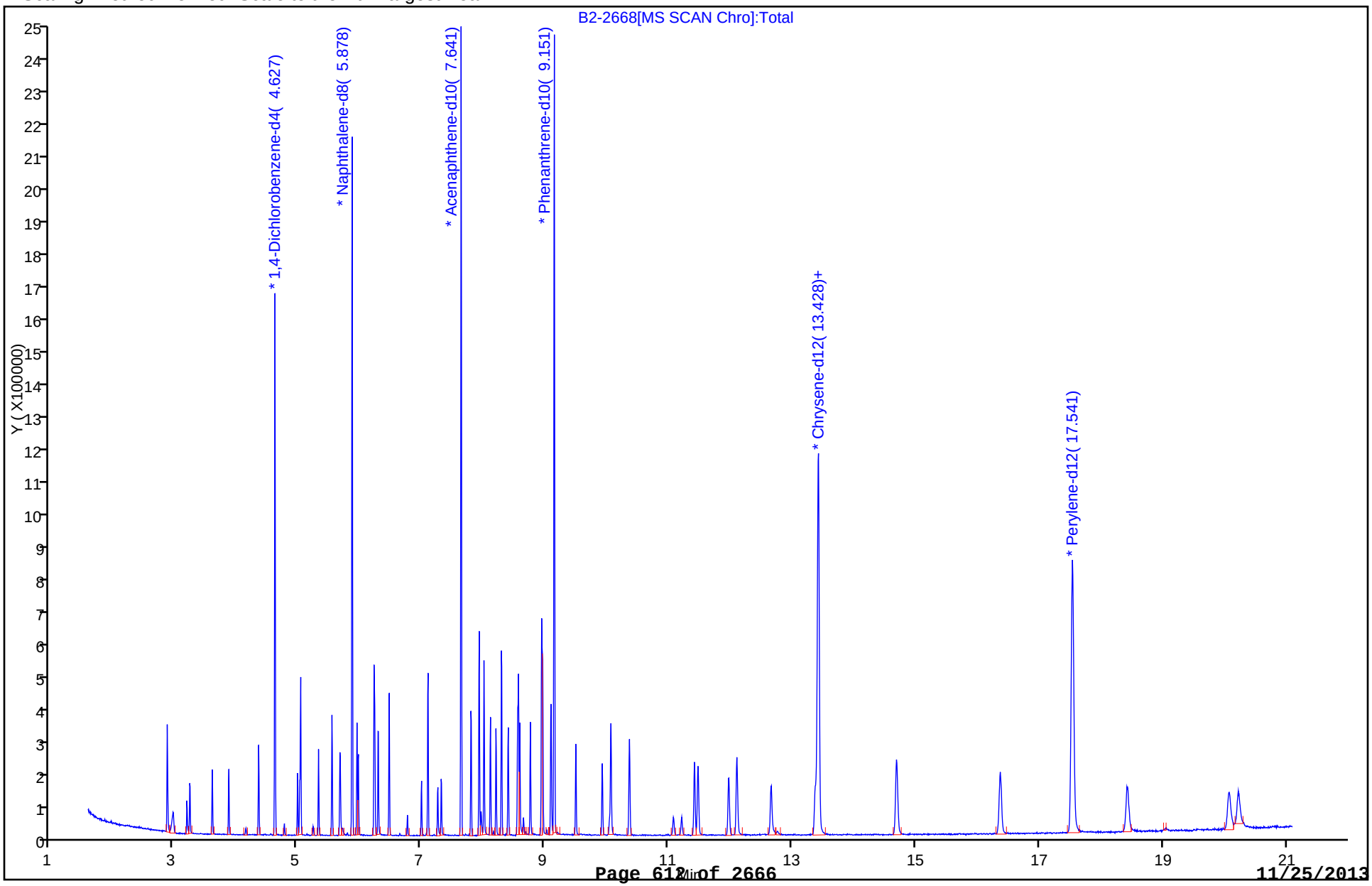
Report Date: 23-Oct-2013 06:54:43 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D

Injection Date:	22-Oct-2013 14:03:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	16
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

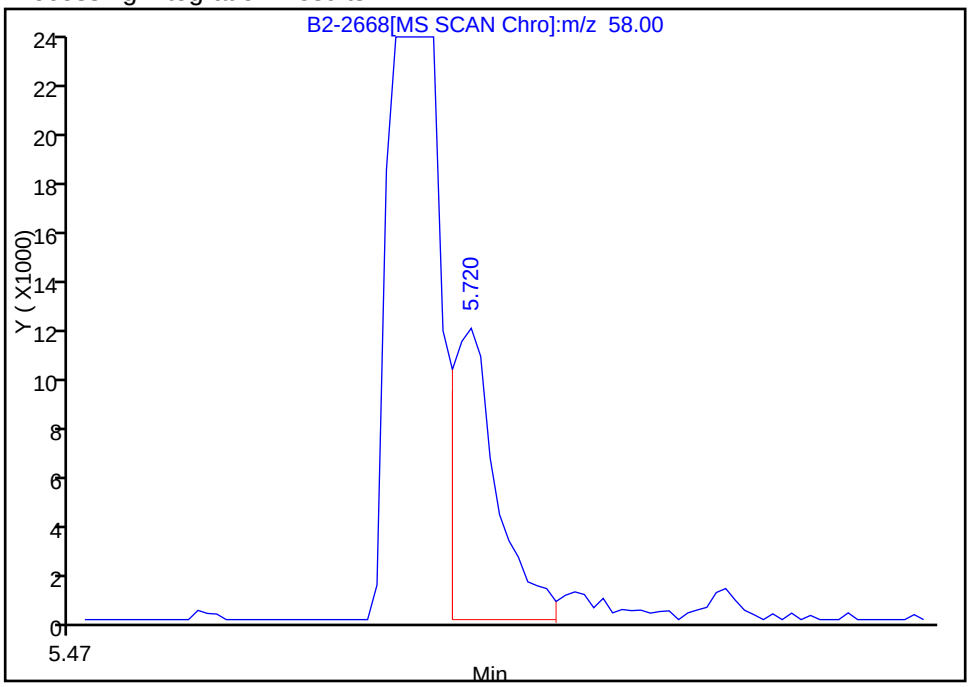
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D		
Injection Date:	22-Oct-2013 14:03:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	16
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

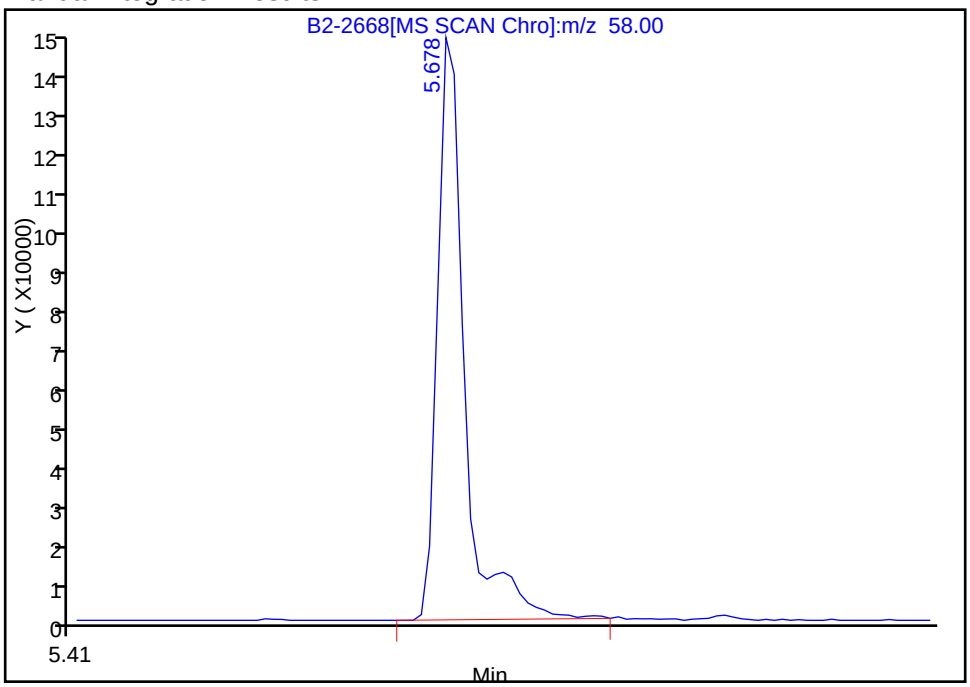
Processing Integration Results

RT: 5.72
Response: 22919
Amount: 13.373366



Manual Integration Results

RT: 5.68
Response: 192603
Amount: 9.495602



Reviewer: kiekeld, 22-Oct-2013 21:12:59
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

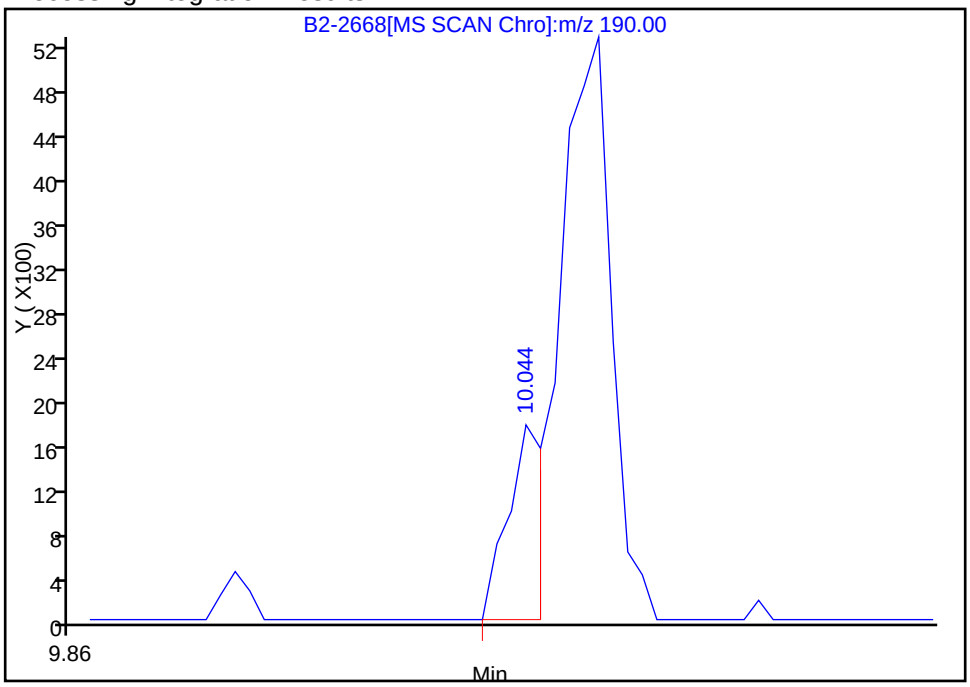
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D		
Injection Date:	22-Oct-2013 14:03:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	16
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

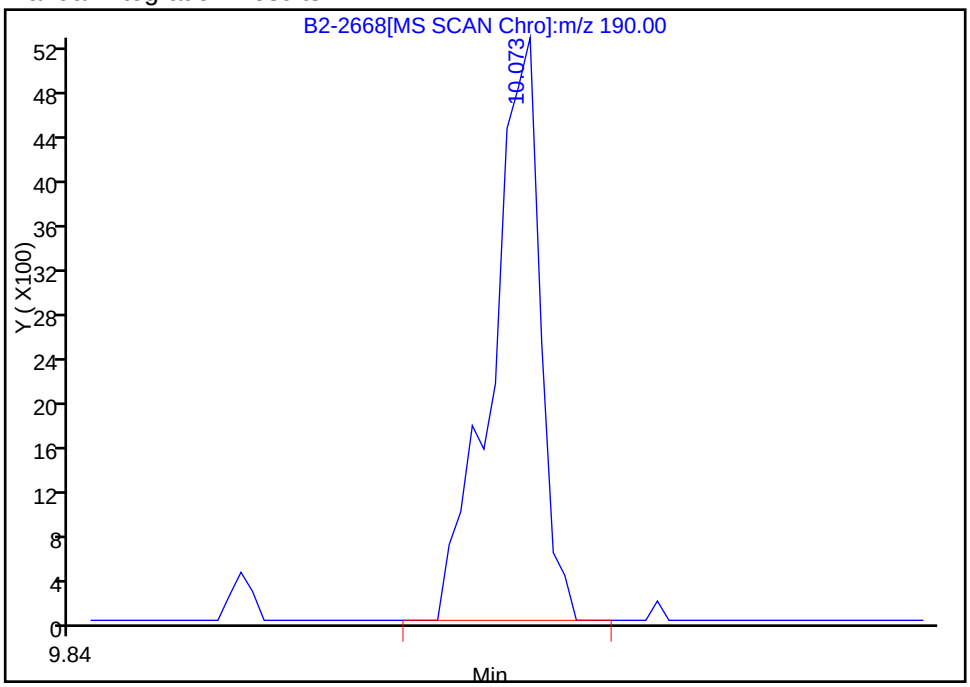
Processing Integration Results

RT: 10.04
Response: 1736
Amount: 1.679325



Manual Integration Results

RT: 10.07
Response: 8787
Amount: 10.478793



Reviewer: kiekeld, 22-Oct-2013 21:12:59
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2669.D
Lims ID: STD020 AP9 Client ID:
Inject. Date: 22-Oct-2013 14:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD020 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 16
Lims Batch ID: 197087 Lims Sample ID: 17
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:43 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:14:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.625	0.001	93	236637	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	954387	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	556792	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	974040	40.0	
* 5 Chrysene-d12	240	13.421	13.427	-0.006	75	1072568	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	98	1024827	40.0	
23 2-Picoline	93	2.881	2.880	0.001	95	177103	20.2	
24 N-Nitrosomethylethylamine	88	2.981	2.980	0.001	92	77720	20.1	
25 Acrylamide	71	3.204	3.227	-0.023	67	58687	18.2	
26 Methyl methanesulfonate	80	3.251	3.251	0.0	88	102551	20.9	
27 N-Nitrosodiethylamine	102	3.609	3.615	-0.006	94	76174	20.0	
29 Ethyl methanesulfonate	79	3.880	3.879	0.001	98	129057	20.4	
37 Pentachloroethane	117	4.361	4.361	0.0	86	53773	19.9	
53 N-Nitrosopyrrolidine	100	4.996	4.996	0.0	92	88324	19.8	
55 N-Nitrosomorpholine	116	5.025	5.031	-0.006	94	35152	20.6	
57 2-Toluidine	106	5.043	5.048	-0.005	86	256928	20.1	
61 N-Nitrosopiperidine	114	5.331	5.336	-0.005	81	84031	20.0	
67 o,o',o''-Triethylphosphorothioat	198	5.548	5.554	-0.006	89	76346	20.8	
73 alpha,alpha-Dimethyl phenethylam	58	5.683	5.707	-0.024	88	445092	19.3	M
81 2,6-Dichlorophenol	162	5.954	5.953	0.001	94	122270	19.9	
82 Hexachloropropene	213	5.977	5.977	0.0	85	84583	19.0	
84 Quinoline	129	6.230	6.229	0.001	96	322651	20.5	
85 N-Nitrosodi-n-butylamine	84	6.242	6.247	-0.005	89	106229	19.8	
87 p-Phenylene diamine	108	6.294	6.300	-0.006	95	204031	19.7	
90 Safrole, Total	162	6.477	6.476	0.001	89	128574	20.2	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	86	19470	3.38	
103 Isosafrole Peak 2	104	7.000	6.999	0.001	94	26335	15.8	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	98	305541	20.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.264	7.264	0.0	92	71446	18.6	
110 1,4-Dinitrobenzene	168	7.323	7.322	0.001	95	43057	17.6	
121 Pentachlorobenzene	250	7.799	7.804	-0.005	97	134310	20.2	
124 1-Naphthylamine	143	7.934	7.939	-0.005	99	355329	20.7	
129 2-Naphthylamine	143	8.010	8.016	-0.006	89	369796	20.7	
133 Thionazin	97	8.116	8.115	0.001	80	76377	19.9	
137 N-Nitro-o-toluidine	152	8.204	8.210	-0.006	96	101517	19.0	
142 Diphenylamine	169	8.292	8.298	-0.006	88	312942	20.3	
146 Sulfotepp	97	8.404	8.403	0.001	81	58040	20.4	
150 Diallate Peak 1	86	8.557	8.556	0.001	96	124836	17.9	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	68	22057	18.2	
152 Phorate	121	8.568	8.574	-0.006	93	65331	20.7	
153 Phenacetin	108	8.592	8.597	-0.005	93	166868	19.3	
155 Diallate Peak 2	86	8.651	8.650	0.001	92	16534	2.22	
158 Dimethoate	87	8.762	8.768	-0.006	93	134184	21.4	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	87	418821	20.5	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	83	38825	19.8	
165 Pronamide	173	8.962	8.967	-0.005	86	149464	19.8	
166 Disulfoton	88	9.097	9.097	0.0	95	168462	20.4	
167 Dinoseb	211	9.103	9.108	-0.005	91	43685	17.9	
172 Methyl parathion	109	9.497	9.502	-0.005	93	110669	21.2	
174 Ethyl Parathion	109	9.926	9.931	-0.005	83	64893	19.1	
175 4-Nitroquinoline-1-oxide	190	10.067	10.049	0.018	36	23488	18.5	
176 Methapyrilene	97	10.067	10.066	0.001	95	185252	23.0	
178 Isodrin	193	10.366	10.366	0.0	92	56861	20.1	
183 Aramite Peak 1	185	11.077	11.083	-0.006	91	12523	8.58	
185 Aramite Peak 2	185	11.212	11.212	0.0	90	16072	9.07	
186 p-Dimethylamino azobenzene	120	11.418	11.423	-0.005	95	142029	18.6	
187 Chlorobenzilate	251	11.477	11.482	-0.005	90	143487	18.9	
191 3,3'-Dimethylbenzidine	212	12.105	12.111	-0.006	96	355986	21.6	
194 2-Acetylaminofluorene	181	12.658	12.669	-0.011	94	190996	17.1	
196 4,4'-Methylene bis(2-chloroanili	231	13.374	13.380	-0.006	92	93130	19.6	
200 6-Methylchrysene	242	14.691	14.702	-0.011	99	385096	19.1	
202 7,12-Dimethylbenz(a)anthracene	256	16.371	16.376	-0.005	88	256808	18.9	
209 3-Methylcholanthrene	268	18.427	18.439	-0.012	77	260612	18.1	
211 Dibenz[a,h]acridine	279	20.078	20.090	-0.012	82	396517	18.3	
212 Dibenz[a,j]acridine	279	20.231	20.242	-0.011	100	411311	18.6	
S 219 Isosafrole	162				0		19.2	
S 220 Diallate	86				0		20.1	
S 221 Aramite, Total	185				0		17.7	

QC Flag Legend

Review Flags
M - Manually Integrated

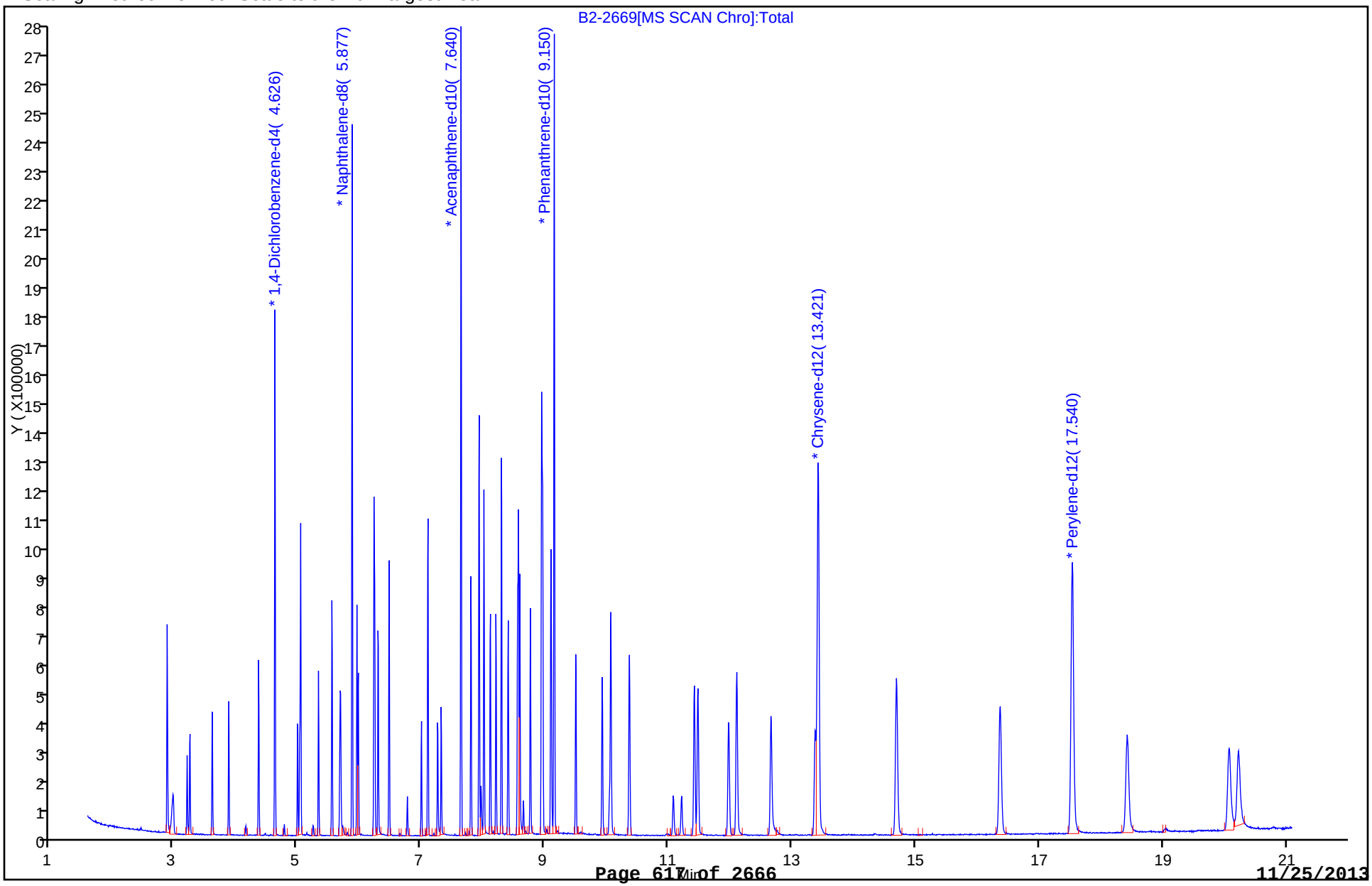
Report Date: 23-Oct-2013 06:54:43 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2669.D

Injection Date:	22-Oct-2013 14:32:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	17
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

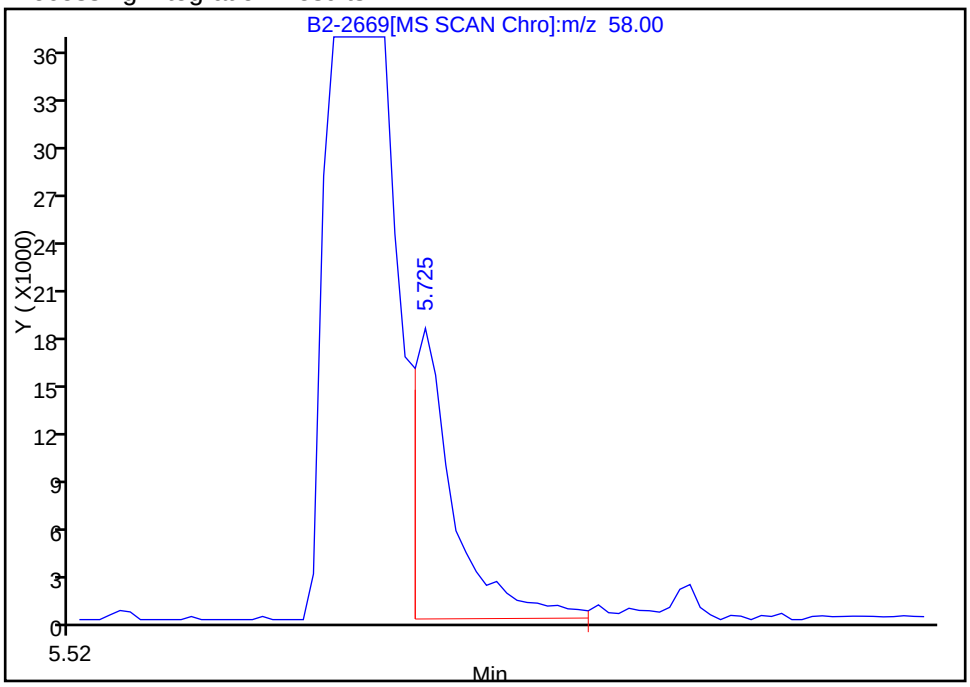
TestAmerica Denver

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Injection Date:	22-Oct-2013 14:32:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	17
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

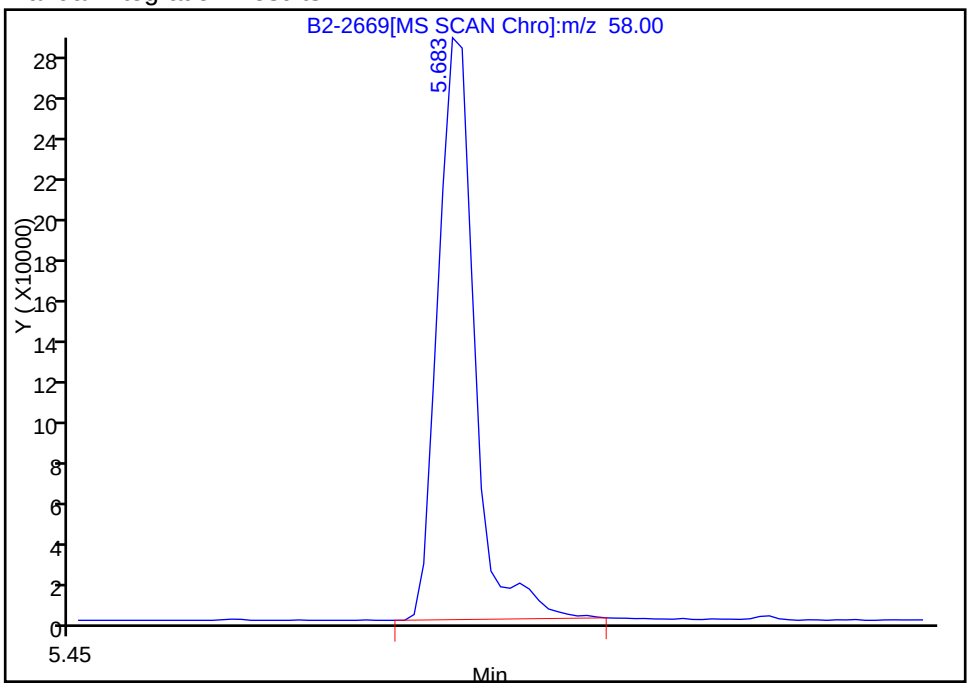
Processing Integration Results

RT: 5.72
Response: 29446
Amount: 9.993711



Manual Integration Results

RT: 5.68
Response: 445092
Amount: 19.323338



Reviewer: kiekeld, 22-Oct-2013 21:14:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2670.D
Lims ID: STD050 AP9 Client ID:
Inject. Date: 22-Oct-2013 15:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD050 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 17
Lims Batch ID: 197087 Lims Sample ID: 18
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:44 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:16:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	91	242852	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	981149	40.0	
* 3 Acenaphthene-d10	164	7.639	7.640	-0.001	99	588695	40.0	
* 4 Phenanthrene-d10	188	9.149	9.150	-0.001	99	1013582	40.0	
* 5 Chrysene-d12	240	13.421	13.427	-0.006	72	1106638	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	97	1063127	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	461531	51.3	
24 N-Nitrosomethylethylamine	88	2.974	2.980	-0.006	93	201965	51.0	
25 Acrylamide	71	3.221	3.227	-0.006	68	170056	51.4	
26 Methyl methanesulfonate	80	3.250	3.251	-0.001	89	264286	52.6	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	95	202112	51.8	
29 Ethyl methanesulfonate	79	3.879	3.879	0.0	97	330345	51.0	
37 Pentachloroethane	117	4.361	4.361	0.0	88	141806	51.1	
53 N-Nitrosopyrrolidine	100	4.995	4.996	-0.001	87	231744	50.6	
55 N-Nitrosomorpholine	116	5.031	5.031	0.0	93	88306	50.4	
57 2-Toluidine	106	5.043	5.048	-0.006	87	673639	51.4	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	83	220370	51.0	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	88	189208	50.1	
73 alpha,alpha-Dimethyl phenethylam	58	5.701	5.707	-0.006	96	1189358	50.2	
81 2,6-Dichlorophenol	162	5.953	5.953	0.0	93	329986	52.3	
82 Hexachloropropene	213	5.977	5.977	0.0	86	230327	50.5	
84 Quinoline	129	6.229	6.229	0.0	96	842014	52.0	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	92	281921	51.0	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	546081	51.4	
90 Safrole, Total	162	6.476	6.476	0.0	87	335423	51.4	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	90	53855	8.85	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	92	72979	41.4	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	97	787123	50.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.263	7.264	-0.001	87	227519	56.1	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	94	130460	50.4	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	347005	49.3	
124 1-Naphthylamine	143	7.933	7.939	-0.006	99	921537	50.7	
129 2-Naphthylamine	143	8.015	8.016	-0.001	95	965186	51.0	
133 Thionazin	97	8.115	8.115	0.0	80	206431	50.8	
137 N-Nitro-o-toluidine	152	8.209	8.210	-0.001	97	287792	51.1	
142 Diphenylamine	169	8.298	8.298	0.0	93	822746	50.5	
146 Sulfotepp	97	8.403	8.403	0.0	79	146436	49.6	
150 Diallate Peak 1	86	8.556	8.556	0.0	97	327649	45.2	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	71	79828	47.2	
152 Phorate	121	8.574	8.574	0.0	93	173130	52.6	
153 Phenacetin	108	8.597	8.597	0.0	94	467365	51.9	
155 Diallate Peak 2	86	8.650	8.650	0.0	96	46992	6.07	
158 Dimethoate	87	8.768	8.768	0.0	94	351724	53.8	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	86	1116859	52.4	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	85	104190	51.0	
165 Pronamide	173	8.967	8.967	0.0	87	401085	51.0	
166 Disulfoton	88	9.097	9.097	0.0	99	443341	51.5	
167 Dinoseb	211	9.108	9.108	0.0	94	165487	46.3	
172 Methyl parathion	109	9.502	9.502	0.0	95	298826	55.0	
174 Ethyl Parathion	109	9.925	9.931	-0.006	84	184755	52.2	
175 4-Nitroquinoline-1-oxide	190	10.066	10.049	0.017	82	74150	47.0	M
176 Methapyrilene	97	10.066	10.066	0.0	95	447113	53.4	
178 Isodrin	193	10.366	10.366	0.0	93	150924	51.1	
183 Aramite Peak 1	185	11.082	11.083	-0.001	96	42302	23.3	
185 Aramite Peak 2	185	11.212	11.212	0.0	94	52274	28.6	
186 p-Dimethylamino azobenzene	120	11.417	11.423	-0.006	95	413916	52.5	
187 Chlorobenzilate	251	11.476	11.482	-0.006	90	400407	51.2	
191 3,3'-Dimethylbenzidine	212	12.105	12.111	-0.006	95	895745	52.7	
194 2-Acetylaminofluorene	181	12.663	12.669	-0.006	93	600408	52.2	
196 4,4'-Methylene bis(2-chloroanili	231	13.380	13.380	0.0	86	256619	52.3	
200 6-Methylchrysene	242	14.696	14.702	-0.006	99	1063656	51.2	
202 7,12-Dimethylbenz(a)anthracene	256	16.370	16.376	-0.006	85	714303	50.7	
209 3-Methylcholanthrene	268	18.433	18.439	-0.006	74	757647	50.7	
211 Dibenz[a,h]acridine	279	20.090	20.090	0.0	87	1116926	49.6	
212 Dibenz[a,j]acridine	279	20.236	20.242	-0.006	100	1173316	51.0	
S 219 Isosafrole	162				0		50.3	
S 220 Diallate	86				0		51.2	
S 221 Aramite, Total	185				0		51.9	

QC Flag Legend

Review Flags
M - Manually Integrated

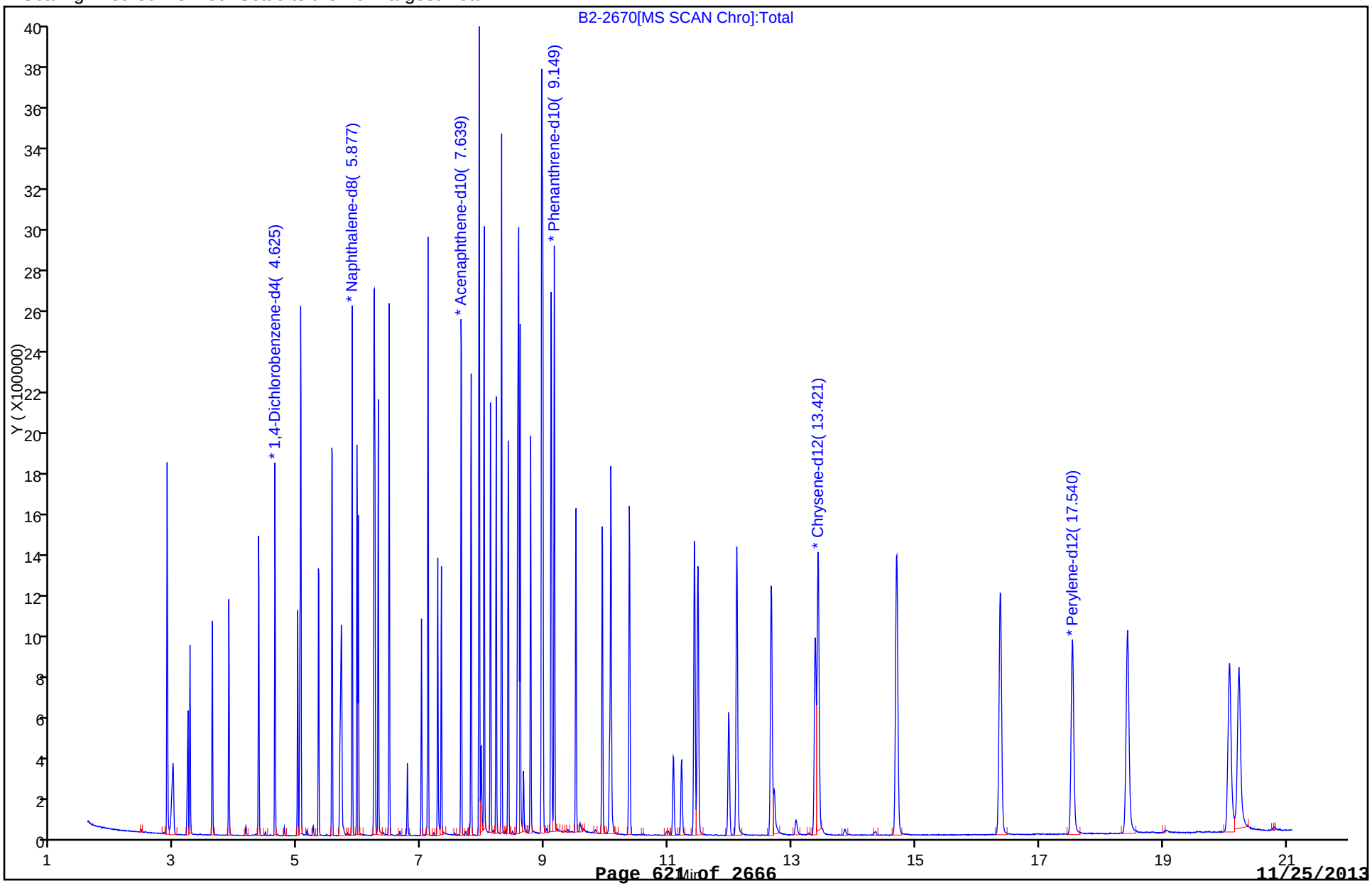
Report Date: 23-Oct-2013 06:54:44 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2670.D

Injection Date:	22-Oct-2013 15:01:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	18
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

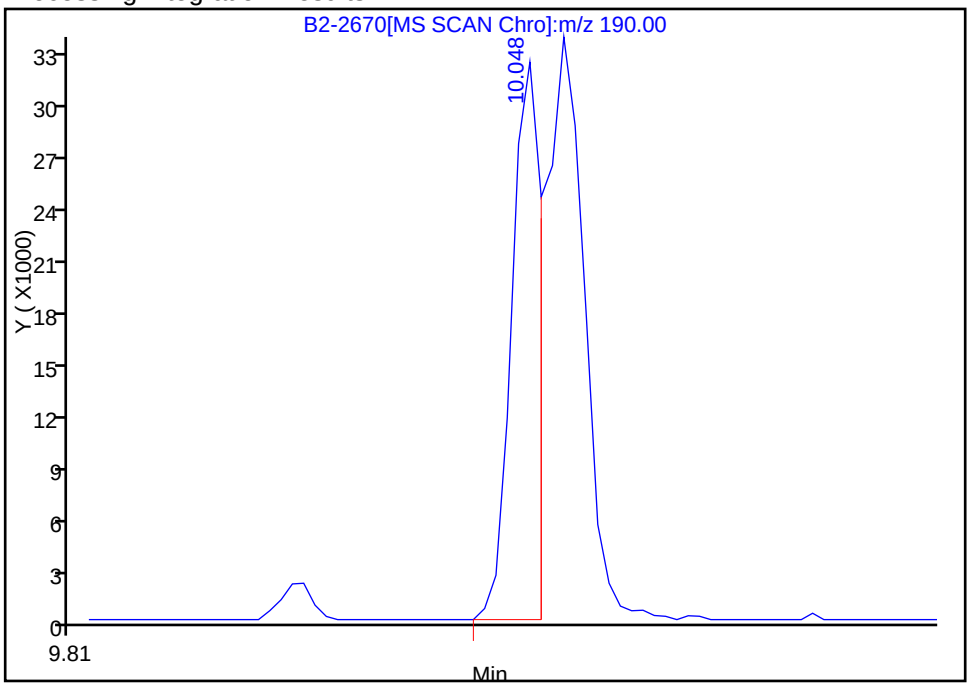
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2670.D		
Injection Date:	22-Oct-2013 15:01:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	18
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

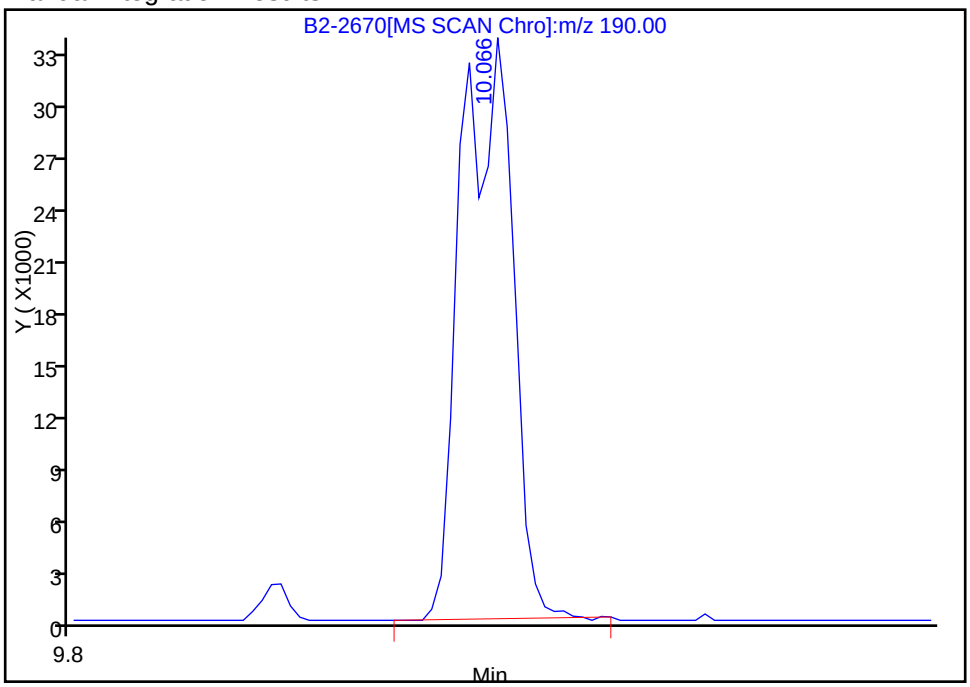
Processing Integration Results

RT: 10.05
Response: 34493
Amount: 25.708292



Manual Integration Results

RT: 10.07
Response: 74150
Amount: 47.007763



Reviewer: kiekeld, 22-Oct-2013 21:16:54
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D
Lims ID: STD120 AP9 Client ID:
Inject. Date: 22-Oct-2013 15:30:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD120 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 18
Lims Batch ID: 197087 Lims Sample ID: 19
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:44 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:18:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.625	0.001	93	244672	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	98	984463	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	578941	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	1022219	40.0	
* 5 Chrysene-d12	240	13.427	13.427	0.0	81	1131443	40.0	
* 6 Perylene-d12	264	17.546	17.540	0.006	98	1070377	40.0	
23 2-Picoline	93	2.881	2.880	0.0	95	1076873	118.7	
24 N-Nitrosomethylethylamine	88	2.980	2.980	0.0	93	479372	120.1	
25 Acrylamide	71	3.239	3.227	0.012	68	424465	127.4	
26 Methyl methanesulfonate	80	3.257	3.251	0.006	88	585497	115.7	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	94	469179	119.3	
29 Ethyl methanesulfonate	79	3.885	3.879	0.006	97	771215	118.2	
37 Pentachloroethane	117	4.361	4.361	0.0	86	333402	119.3	
53 N-Nitrosopyrrolidine	100	5.002	4.996	0.006	89	556930	120.6	
55 N-Nitrosomorpholine	116	5.037	5.031	0.006	94	210001	118.9	
57 2-Toluidine	106	5.049	5.048	0.001	86	1564115	118.5	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	84	516056	118.9	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	87	441764	116.6	
73 alpha,alpha-Dimethyl phenethylam	58	5.718	5.707	0.011	97	2876029	121.0	M
81 2,6-Dichlorophenol	162	5.959	5.953	0.006	96	767294	121.3	
82 Hexachloropropene	213	5.977	5.977	0.0	87	567493	123.9	
84 Quinoline	129	6.235	6.229	0.006	96	1930295	118.4	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	92	659829	119.0	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	1291577	121.1	
90 Safrole, Total	162	6.476	6.476	0.0	88	783159	119.5	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	90	128556	21.5	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	92	173139	100.0	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	98	1806688	118.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.264	7.264	0.0	88	538985	135.2	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	95	332724	130.8	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	824984	119.3	
124 1-Naphthylamine	143	7.939	7.939	0.0	99	2141975	119.7	
129 2-Naphthylamine	143	8.016	8.016	0.0	95	2190817	117.7	
133 Thionazin	97	8.116	8.115	0.001	80	481706	120.6	
137 N-Nitro-o-toluidine	152	8.215	8.210	0.005	97	686761	123.9	
142 Diphenylamine	169	8.298	8.298	0.0	90	1915233	119.4	
146 Sulfotepp	97	8.403	8.403	0.0	80	352690	118.4	
150 Diallate Peak 1	86	8.556	8.556	0.0	97	761587	104.1	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	71	227530	121.5	
152 Phorate	121	8.574	8.574	0.0	93	387891	116.8	
153 Phenacetin	108	8.603	8.597	0.006	94	1108513	122.0	
155 Diallate Peak 2	86	8.650	8.650	0.0	97	112510	14.4	
158 Dimethoate	87	8.774	8.768	0.006	94	763152	115.8	
162 4-Aminobiphenyl	169	8.950	8.944	0.006	87	2540314	118.3	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	84	248387	120.6	
165 Pronamide	173	8.967	8.967	0.0	87	936267	118.0	
166 Disulfoton	88	9.097	9.097	0.0	98	1026195	118.2	
167 Dinoseb	211	9.108	9.108	0.0	95	482803	120.3	
172 Methyl parathion	109	9.502	9.502	0.0	94	651569	119.0	
174 Ethyl Parathion	109	9.931	9.931	0.0	85	450177	126.1	
175 4-Nitroquinoline-1-oxide	190	10.049	10.049	0.0	95	207738	122.5	M
176 Methapyrilene	97	10.072	10.066	0.006	95	926083	109.6	
178 Isodrin	193	10.372	10.366	0.006	94	356547	119.8	
183 Aramite Peak 1	185	11.083	11.083	0.0	96	108685	55.3	
185 Aramite Peak 2	185	11.212	11.212	0.0	94	130978	70.1	
186 p-Dimethylamino azobenzene	120	11.423	11.423	0.0	95	1005371	124.8	
187 Chlorobenzilate	251	11.482	11.482	0.0	92	982369	122.8	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	2001822	115.2	
194 2-Acetylaminofluorene	181	12.675	12.669	0.006	94	1539390	131.0	
196 4,4'-Methylene bis(2-chloroanili	231	13.386	13.380	0.006	88	611410	121.9	
200 6-Methylchrysene	242	14.708	14.702	0.006	99	2600851	122.4	
202 7,12-Dimethylbenz(a)anthracene	256	16.382	16.376	0.006	81	1738948	122.7	
209 3-Methylcholanthrene	268	18.445	18.439	0.006	74	1904198	126.5	
211 Dibenz[a,h]acridine	279	20.096	20.090	0.006	87	2828220	124.7	
212 Dibenz[a,j]acridine	279	20.254	20.242	0.012	100	2844224	122.9	
S 219 Isosafrole	162				0		121.5	
S 220 Diallate	86				0		118.5	
S 221 Aramite, Total	185				0		125.3	

QC Flag Legend

Review Flags
M - Manually Integrated

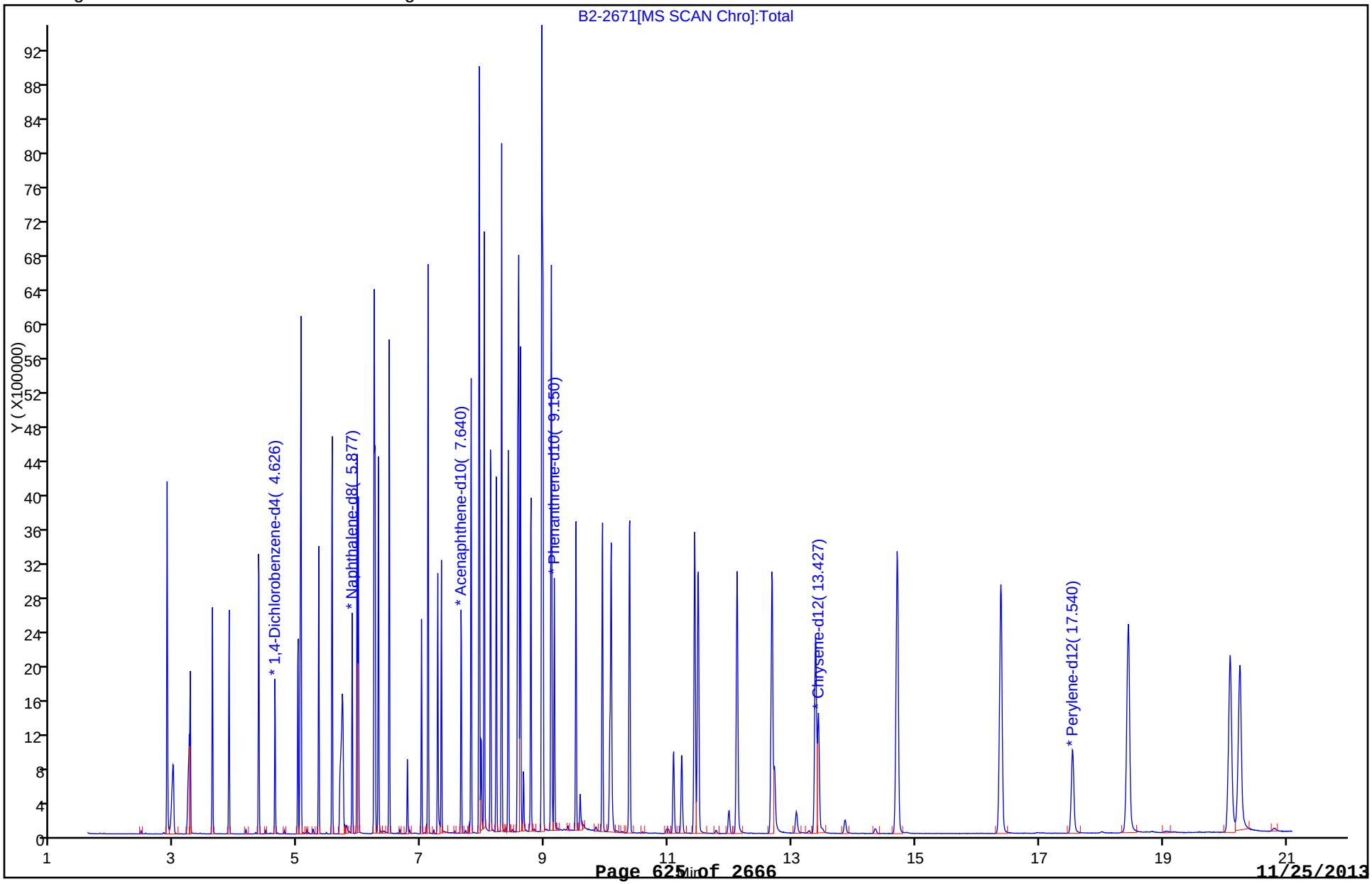
Report Date: 23-Oct-2013 06:54:45 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D

Injection Date:	22-Oct-2013 15:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	19
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

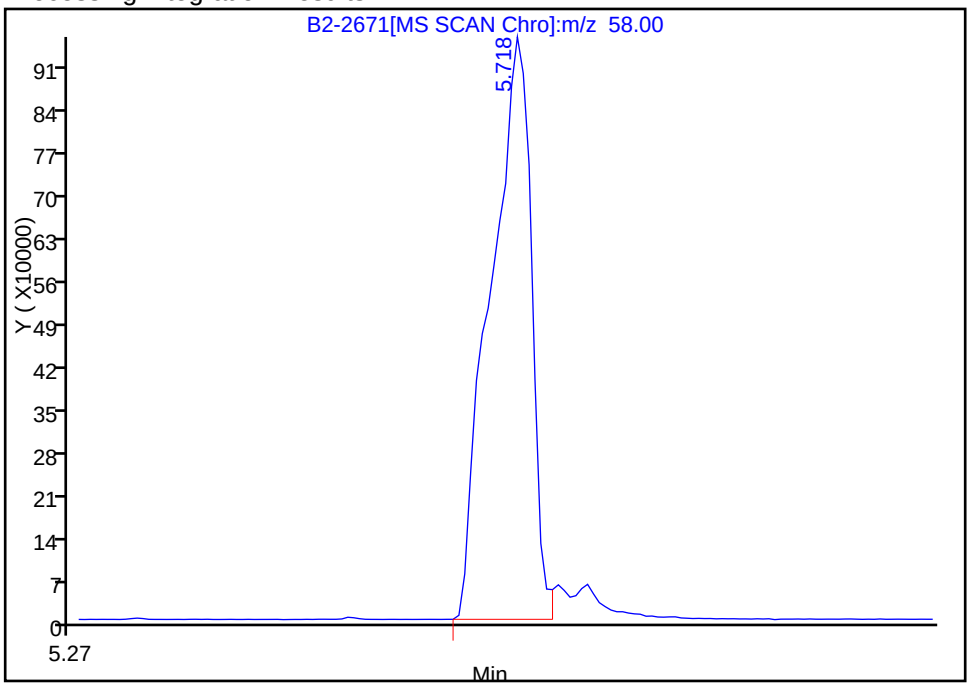
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D		
Injection Date:	22-Oct-2013 15:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	19
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

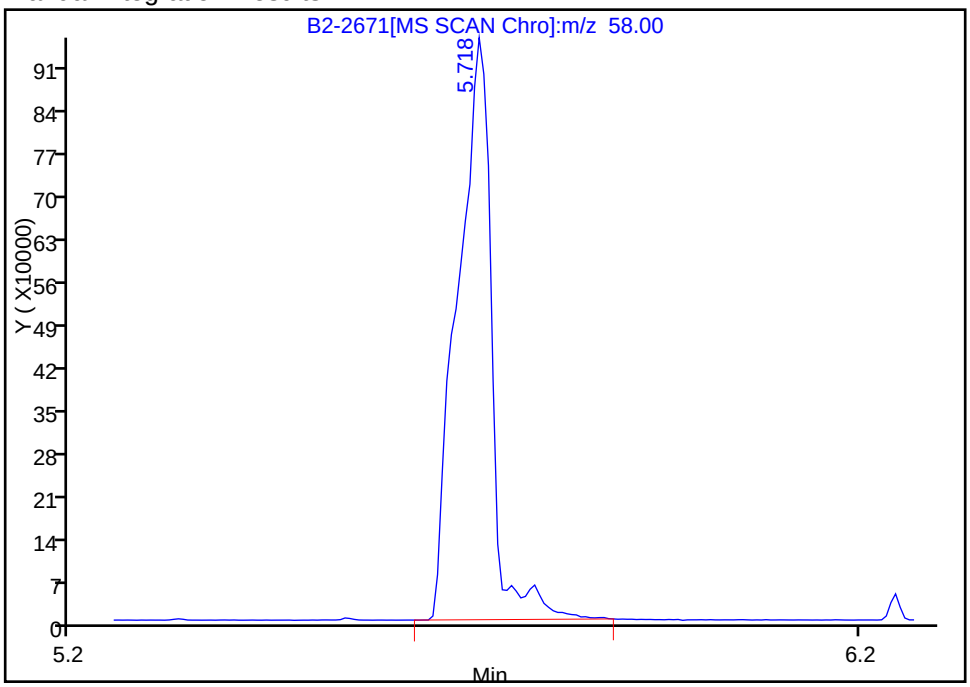
Processing Integration Results

RT: 5.72
Response: 2722120
Amount: 120.5598



Manual Integration Results

RT: 5.72
Response: 2876029
Amount: 121.0461



Reviewer: kiekeld, 22-Oct-2013 21:18:33
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

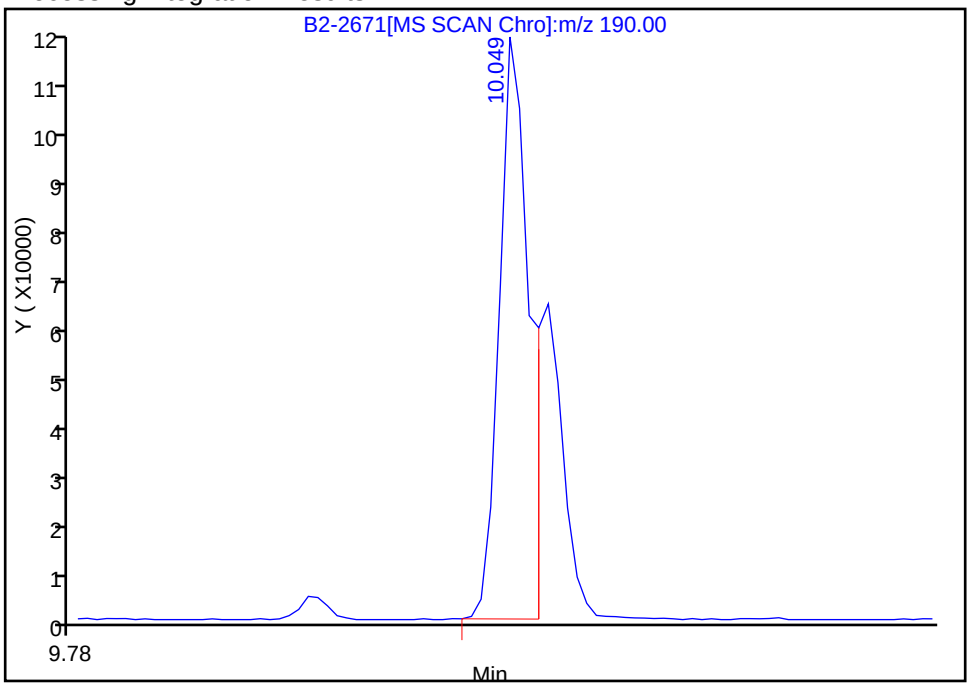
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D		
Injection Date:	22-Oct-2013 15:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	19
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

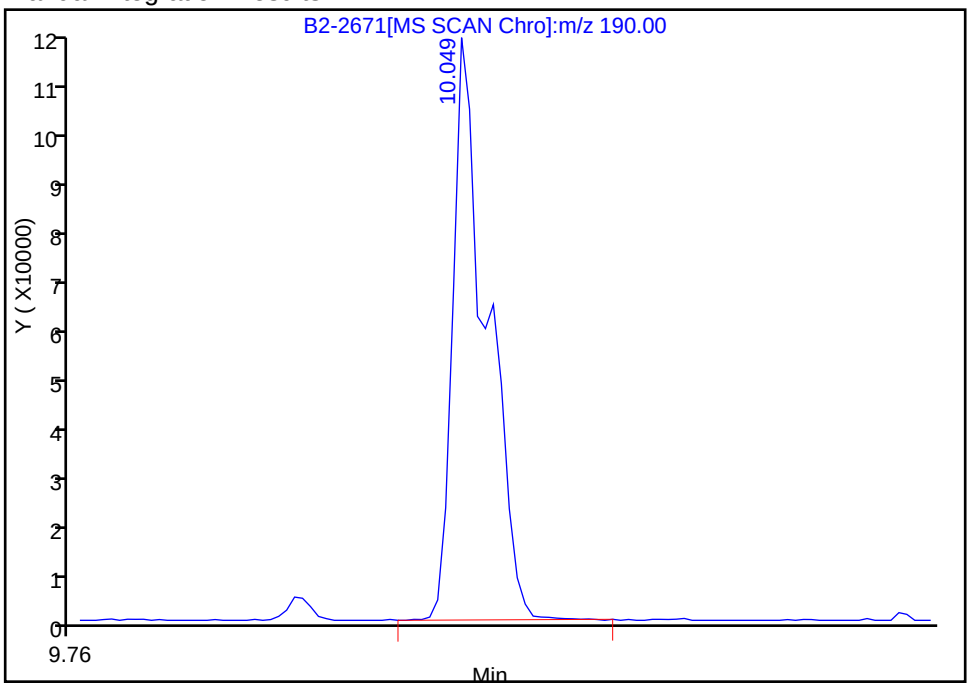
Processing Integration Results

RT: 10.05
Response: 154879
Amount: 105.5457



Manual Integration Results

RT: 10.05
Response: 207738
Amount: 122.5390



Reviewer: kiekeld, 22-Oct-2013 21:18:33
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2672.D
Lims ID: STD160 AP9 Client ID:
Inject. Date: 22-Oct-2013 15:58:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD160 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 19
Lims Batch ID: 197087 Lims Sample ID: 20
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:45 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:20:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.628	4.625	0.003	92	239396	40.0	
* 2 Naphthalene-d8	136	5.874	5.877	-0.003	99	952224	40.0	
* 3 Acenaphthene-d10	164	7.642	7.640	0.002	97	558801	40.0	
* 4 Phenanthrene-d10	188	9.152	9.150	0.002	99	977682	40.0	
* 5 Chrysene-d12	240	13.430	13.427	0.003	77	1091681	40.0	
* 6 Perylene-d12	264	17.542	17.540	0.002	98	1019705	40.0	
23 2-Picoline	93	2.877	2.880	-0.003	95	1412034	159.1	
24 N-Nitrosomethylethylamine	88	2.977	2.980	-0.003	94	630722	161.5	
25 Acrylamide	71	3.247	3.227	0.020	71	566244	173.7	
26 Methyl methanesulfonate	80	3.259	3.251	0.008	88	757652	153.0	
27 N-Nitrosodiethylamine	102	3.618	3.615	0.003	95	621599	161.5	
29 Ethyl methanesulfonate	79	3.888	3.879	0.009	97	1006584	157.6	
37 Pentachloroethane	117	4.364	4.361	0.003	85	444206	162.5	
53 N-Nitrosopyrrolidine	100	4.998	4.996	0.002	89	739799	163.8	
55 N-Nitrosomorpholine	116	5.034	5.031	0.003	94	277783	160.7	
57 2-Toluidine	106	5.051	5.048	0.003	86	2043055	158.2	
61 N-Nitrosopiperidine	114	5.339	5.336	0.003	85	687250	163.8	
67 o,o',o''-Triethylphosphorothioat	198	5.551	5.554	-0.003	89	591437	161.4	
73 alpha,alpha-Dimethyl phenethylam	58	5.727	5.707	0.020	96	3838858	167.0	M
81 2,6-Dichlorophenol	162	5.956	5.953	0.003	94	975737	159.5	
82 Hexachloropropene	213	5.974	5.977	-0.003	87	766269	173.0	
84 Quinoline	129	6.232	6.229	0.003	96	2515364	157.6	
85 N-Nitrosodi-n-butylamine	84	6.250	6.247	0.003	93	857419	159.9	
87 p-Phenylene diamine	108	6.303	6.300	0.003	95	1652358	160.1	
90 Safrole, Total	162	6.479	6.476	0.003	90	1037058	163.6	
99 Isosafrole Peak 1	162	6.773	6.770	0.003	91	172150	29.8	
103 Isosafrole Peak 2	104	7.002	6.999	0.003	93	230635	138.0	
107 1-Chloronaphthalene	162	7.108	7.105	0.003	98	2354324	159.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.266	7.264	0.002	91	665352	172.9	
110 1,4-Dinitrobenzene	168	7.325	7.322	0.003	95	445441	181.4	
121 Pentachlorobenzene	250	7.807	7.804	0.003	97	1086753	162.8	
124 1-Naphthylamine	143	7.936	7.939	-0.003	99	2763065	160.0	
129 2-Naphthylamine	143	8.018	8.016	0.002	96	2870140	159.8	
133 Thionazin	97	8.118	8.115	0.003	80	628693	163.1	
137 N-Nitro-o-toluidine	152	8.212	8.210	0.002	97	911876	170.4	
142 Diphenylamine	169	8.300	8.298	0.002	89	2494924	161.2	
146 Sulfotepp	97	8.406	8.403	0.003	80	455559	159.9	
150 Diallate Peak 1	86	8.559	8.556	0.003	96	988855	141.3	
151 1,3,5-Trinitrobenzene	213	8.576	8.574	0.002	71	316624	173.8	
152 Phorate	121	8.576	8.574	0.002	92	501607	158.0	
153 Phenacetin	108	8.606	8.597	0.009	94	1457958	167.8	
155 Diallate Peak 2	86	8.653	8.650	0.003	98	148808	19.9	
158 Dimethoate	87	8.776	8.768	0.008	94	949418	150.6	
162 4-Aminobiphenyl	169	8.947	8.944	0.003	87	3220510	156.7	
164 Pentachloronitrobenzene	237	8.958	8.956	0.002	82	322635	163.8	
165 Pronamide	173	8.970	8.967	0.003	88	1232604	162.5	
166 Disulfoton	88	9.099	9.097	0.002	98	1313476	158.2	
167 Dinoseb	211	9.111	9.108	0.003	96	679807	173.7	
172 Methyl parathion	109	9.499	9.502	-0.003	94	799632	152.7	
174 Ethyl Parathion	109	9.928	9.931	-0.003	85	588868	172.4	
175 4-Nitroquinoline-1-oxide	190	10.051	10.049	0.002	94	288732	176.0	
176 Methapyrilene	97	10.069	10.066	0.003	95	1154693	142.9	
178 Isodrin	193	10.368	10.366	0.002	93	470634	165.4	
183 Aramite Peak 1	185	11.079	11.083	-0.004	96	142997	74.6	
185 Aramite Peak 2	185	11.215	11.212	0.002	94	173303	96.1	
186 p-Dimethylamino azobenzene	120	11.426	11.423	0.003	95	1324964	170.4	
187 Chlorobenzilate	251	11.479	11.482	-0.003	92	1298021	168.2	
191 3,3'-Dimethylbenzidine	212	12.113	12.111	0.002	96	2615275	156.0	
194 2-Acetylaminofluorene	181	12.677	12.669	0.008	94	2048746	180.7	
196 4,4'-Methylene bis(2-chloroanili	231	13.383	13.380	0.003	88	795511	164.4	
200 6-Methylchrysene	242	14.705	14.702	0.003	99	3415720	166.6	
202 7,12-Dimethylbenz(a)anthracene	256	16.391	16.376	0.015	87	2326342	172.3	
209 3-Methylcholanthrene	268	18.453	18.439	0.014	76	2537669	176.9	
211 Dibenz[a,h]acridine	279	20.104	20.090	0.014	85	3821557	176.9	
212 Dibenz[a,j]acridine	279	20.257	20.242	0.015	100	3836029	174.0	
S 219 Isosafrole	162				0		167.8	
S 220 Diallate	86				0		161.2	
S 221 Aramite, Total	185				0		170.7	

QC Flag Legend

Review Flags
M - Manually Integrated

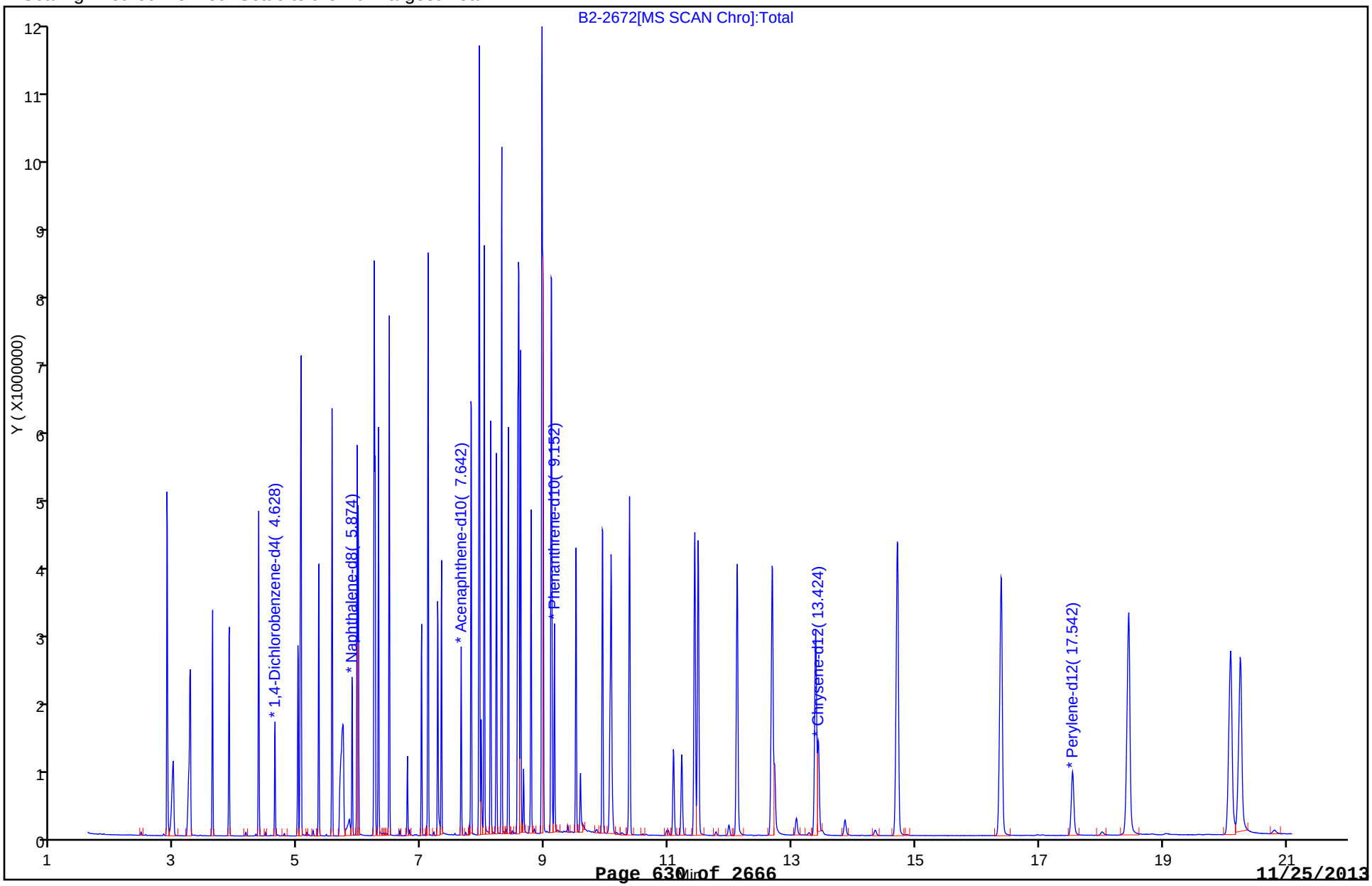
Report Date: 23-Oct-2013 06:54:45 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2672.D

Injection Date:	22-Oct-2013 15:58:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	20
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

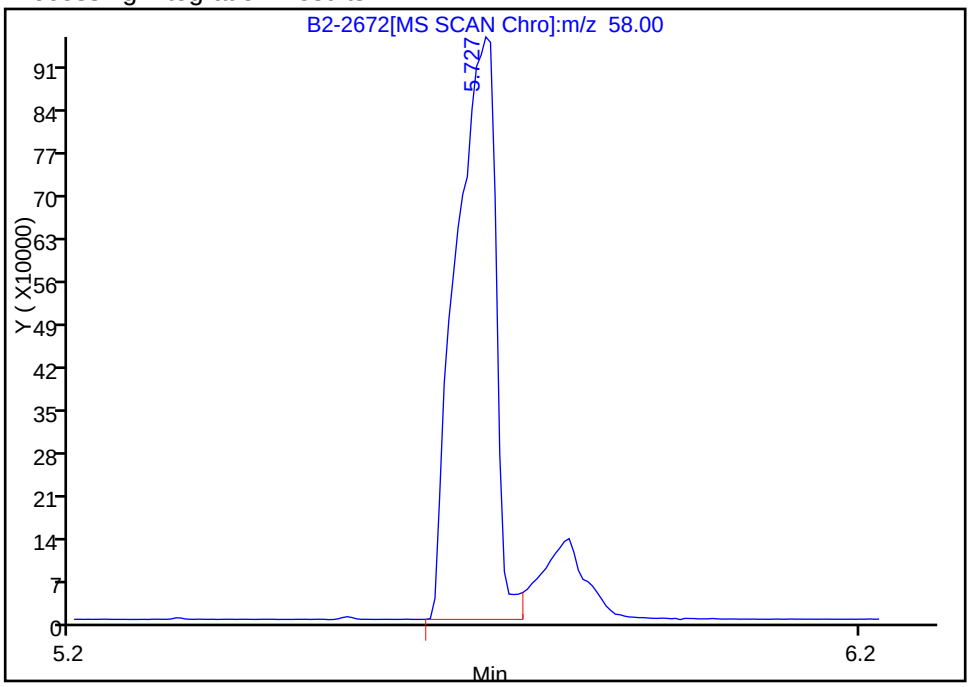
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2672.D		
Injection Date:	22-Oct-2013 15:58:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	20
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

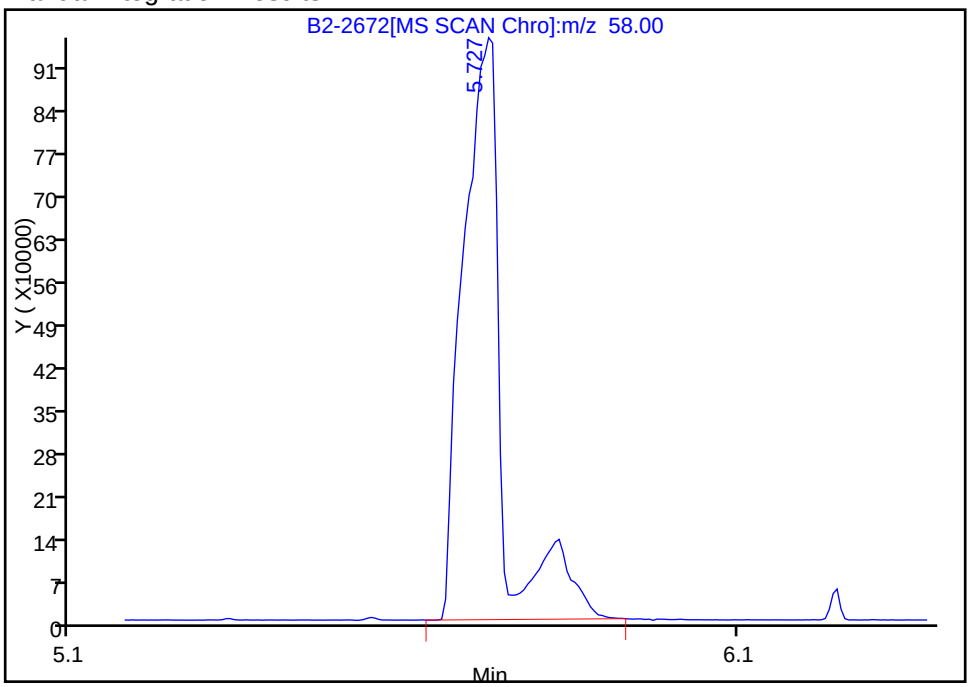
Processing Integration Results

RT: 5.73
Response: 3352321
Amount: 152.2618



Manual Integration Results

RT: 5.73
Response: 3838858
Amount: 167.0397



Reviewer: kiekeld, 22-Oct-2013 21:20:27
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2673.D
Lims ID: STD200 AP9 Client ID:
Inject. Date: 22-Oct-2013 16:27:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 20
Lims Batch ID: 197087 Lims Sample ID: 21
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:46 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:23:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	91	242514	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	973618	40.0	
* 3 Acenaphthene-d10	164	7.639	7.640	-0.001	99	580105	40.0	
* 4 Phenanthrene-d10	188	9.155	9.150	0.005	99	1002531	40.0	
* 5 Chrysene-d12	240	13.427	13.427	0.0	80	1091995	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	98	995272	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	1689701	187.9	
24 N-Nitrosomethylethylamine	88	2.980	2.980	0.0	93	763655	193.0	
25 Acrylamide	71	3.256	3.227	0.029	65	705036	213.5	
26 Methyl methanesulfonate	80	3.256	3.251	0.005	89	905332	180.4	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	94	755646	193.8	
29 Ethyl methanesulfonate	79	3.885	3.879	0.006	97	1240757	191.8	
37 Pentachloroethane	117	4.361	4.361	0.0	86	540168	195.0	
53 N-Nitrosopyrrolidine	100	5.001	4.996	0.005	89	908602	198.5	
55 N-Nitrosomorpholine	116	5.037	5.031	0.006	94	346483	197.8	
57 2-Toluidine	106	5.048	5.048	0.0	87	2483605	189.9	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	81	844272	196.8	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	86	728417	194.4	
73 alpha,alpha-Dimethyl phenethylam	58	5.718	5.707	0.011	97	4859107	206.8	M
81 2,6-Dichlorophenol	162	5.959	5.953	0.006	96	1194671	190.9	
82 Hexachloropropene	213	5.977	5.977	0.0	86	927691	204.8	
84 Quinoline	129	6.235	6.229	0.006	96	3084488	190.8	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	92	1068434	194.9	
87 p-Phenylene diamine	108	6.306	6.300	0.006	95	1878908	178.1	
90 Safrole, Total	162	6.476	6.476	0.0	89	1266743	195.5	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	89	211892	35.3	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	92	286283	165.0	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	98	2918154	190.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.263	7.264	-0.001	89	759593	190.2	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	95	564909	221.6	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	1360233	196.3	
124 1-Naphthylamine	143	7.939	7.939	0.0	99	3409819	190.2	
129 2-Naphthylamine	143	8.015	8.016	-0.001	95	3563972	191.1	
133 Thionazin	97	8.121	8.115	0.006	80	790354	197.5	
137 N-Nitro-o-toluidine	152	8.215	8.210	0.005	97	1124017	202.4	
142 Diphenylamine	169	8.297	8.298	-0.001	89	3085249	192.0	
146 Sulfotepp	97	8.403	8.403	0.0	82	561120	192.0	
150 Diallate Peak 1	86	8.556	8.556	0.0	96	1228205	171.1	
151 1,3,5-Trinitrobenzene	213	8.580	8.574	0.006	71	391971	208.5	
152 Phorate	121	8.574	8.574	0.0	91	630885	193.8	
153 Phenacetin	108	8.609	8.597	0.012	94	1770007	198.7	
155 Diallate Peak 2	86	8.650	8.650	0.0	97	184446	24.1	
158 Dimethoate	87	8.773	8.768	0.005	94	1083276	167.6	
162 4-Aminobiphenyl	169	8.950	8.944	0.006	86	4004548	190.1	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	85	404048	200.0	
165 Pronamide	173	8.973	8.967	0.006	86	1531557	196.9	
166 Disulfoton	88	9.102	9.097	0.005	97	1632971	191.8	
167 Dinoseb	211	9.108	9.108	0.0	96	876433	216.6	
172 Methyl parathion	109	9.502	9.502	0.0	94	921423	171.6	
174 Ethyl Parathion	109	9.931	9.931	0.0	85	724272	206.8	
175 4-Nitroquinoline-1-oxide	190	10.054	10.049	0.005	93	349749	207.1	
176 Methapyrilene	97	10.072	10.066	0.006	95	1313484	158.5	
178 Isodrin	193	10.366	10.366	0.0	93	591719	202.7	
183 Aramite Peak 1	185	11.082	11.083	-0.001	97	177551	92.1	
185 Aramite Peak 2	185	11.218	11.212	0.006	94	210053	116.5	
186 p-Dimethylamino azobenzene	120	11.429	11.423	0.006	95	1615039	207.6	
187 Chlorobenzilate	251	11.482	11.482	0.0	93	1604503	207.8	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	3093286	184.5	
194 2-Acetylaminofluorene	181	12.686	12.669	0.017	93	2454033	216.4	
196 4,4'-Methylene bis(2-chloroanili	231	13.386	13.380	0.006	88	953944	197.0	
200 6-Methylchrysene	242	14.713	14.702	0.011	99	4121796	200.9	
202 7,12-Dimethylbenz(a)anthracene	256	16.388	16.376	0.012	80	2808297	213.1	
209 3-Methylcholanthrene	268	18.456	18.439	0.017	75	3036622	216.9	
211 Dibenz[a,h]acridine	279	20.107	20.090	0.017	87	4554462	216.0	
212 Dibenz[a,j]acridine	279	20.266	20.242	0.024	100	4575253	212.6	
S 219 Isosafrole	162				0		200.3	
S 220 Diallate	86				0		195.2	
S 221 Aramite, Total	185				0		208.5	

QC Flag Legend

Review Flags
M - Manually Integrated

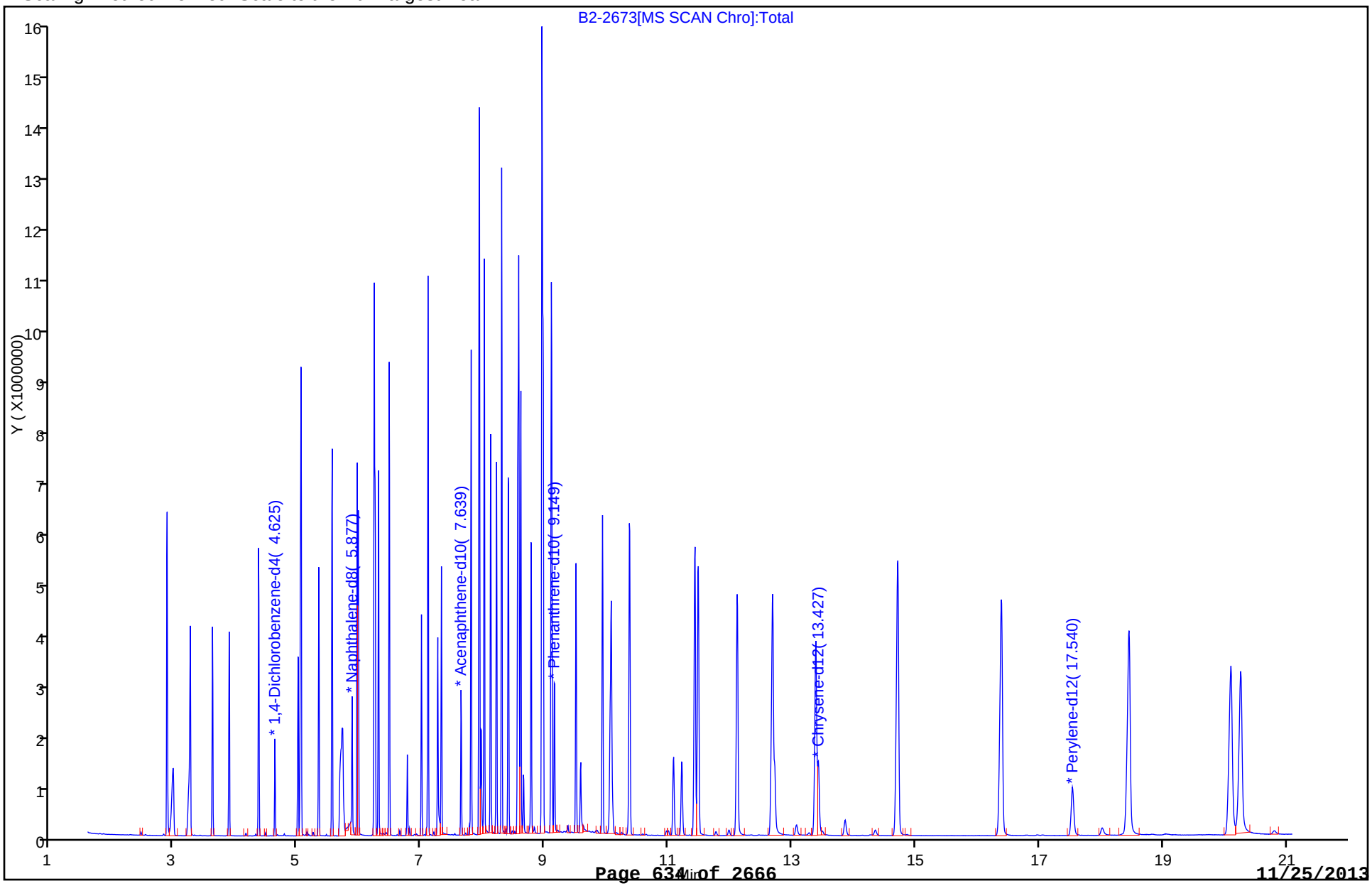
Report Date: 23-Oct-2013 06:54:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2673.D

Injection Date:	22-Oct-2013 16:27:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	21
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

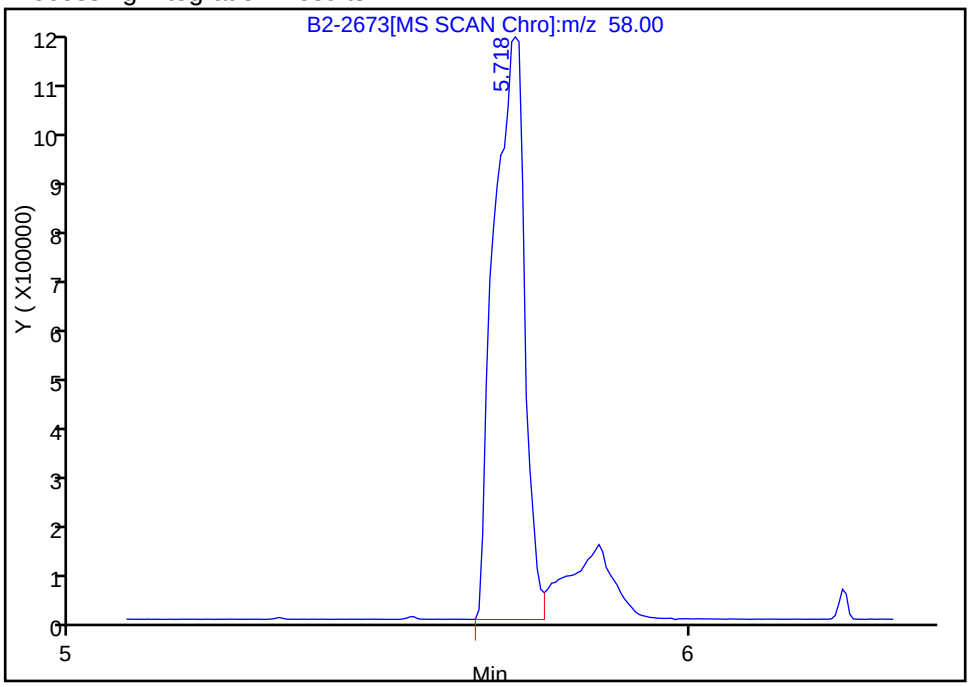
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2673.D		
Injection Date:	22-Oct-2013 16:27:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	21
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

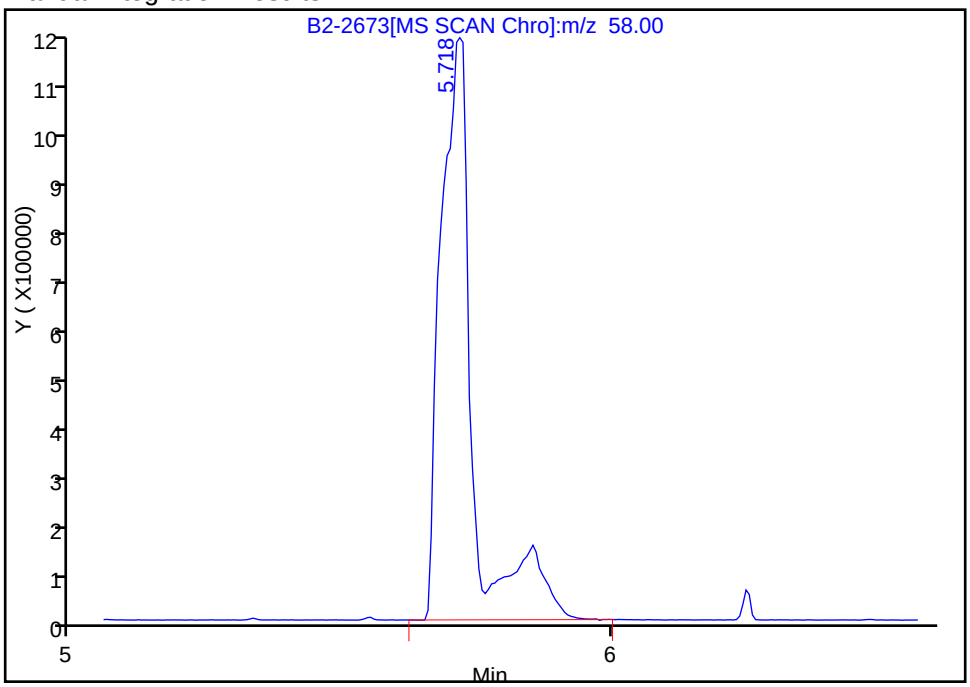
Processing Integration Results

RT: 5.72
Response: 4099750
Amount: 178.5944



Manual Integration Results

RT: 5.72
Response: 4859107
Amount: 206.7877



Reviewer: kiekeld, 22-Oct-2013 21:23:09
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197309

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 18:21 Calibration End Date: 10/22/2013 20:57 Calibration ID: 16011

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197309/26	B2-2678.D
Level 2	STD020 280-197309/27	B2-2679.D
Level 3	STD050 280-197309/28	B2-2680.D
Level 4	STD080 280-197309/25	B2-2677.D
Level 5	STD120 280-197309/29	B2-2681.D
Level 6	STD160 280-197309/30	B2-2682.D
Level 7	STD200 280-197309/31	B2-2683.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.1043 1.0888	1.0932 1.0980	1.1392	1.1467	1.1250	Ave		1.1136				2.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197309

SDG No.:

Instrument ID: SMS_B2 GC Column: Vf-5MS (30.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2013 18:21 Calibration End Date: 10/22/2013 20:57 Calibration ID: 16011

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197309/26	B2-2678.D
Level 2	STD020 280-197309/27	B2-2679.D
Level 3	STD050 280-197309/28	B2-2680.D
Level 4	STD080 280-197309/25	B2-2677.D
Level 5	STD120 280-197309/29	B2-2681.D
Level 6	STD160 280-197309/30	B2-2682.D
Level 7	STD200 280-197309/31	B2-2683.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	54604 869882	108468 1029995	285455	449694	663853	10.0 160	20.0 200	50.0	80.0	120

Curve Type Legend:
Ave = Average ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2677.D		
Lims ID:	STD080 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 18:21:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD080 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	24
Lims Batch ID:	197309	Lims Sample ID:	25
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:47	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		
First Level Reviewer: kiekeld		Date:	22-Oct-2013 21:26:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.627	0.0	92	196074	40.0	
* 2 Naphthalene-d8	136	5.878	5.878	0.0	99	766949	40.0	
* 3 Acenaphthene-d10	164	7.641	7.641	0.0	99	451000	40.0	
* 4 Phenanthrene-d10	188	9.151	9.151	0.0	99	773681	40.0	
* 5 Chrysene-d12	240	13.422	13.422	0.0	64	850388	40.0	
* 6 Perylene-d12	264	17.541	17.541	0.0	98	818334	40.0	
31 Benzaldehyde	106	4.221	4.221	0.0	88	449694	82.4	

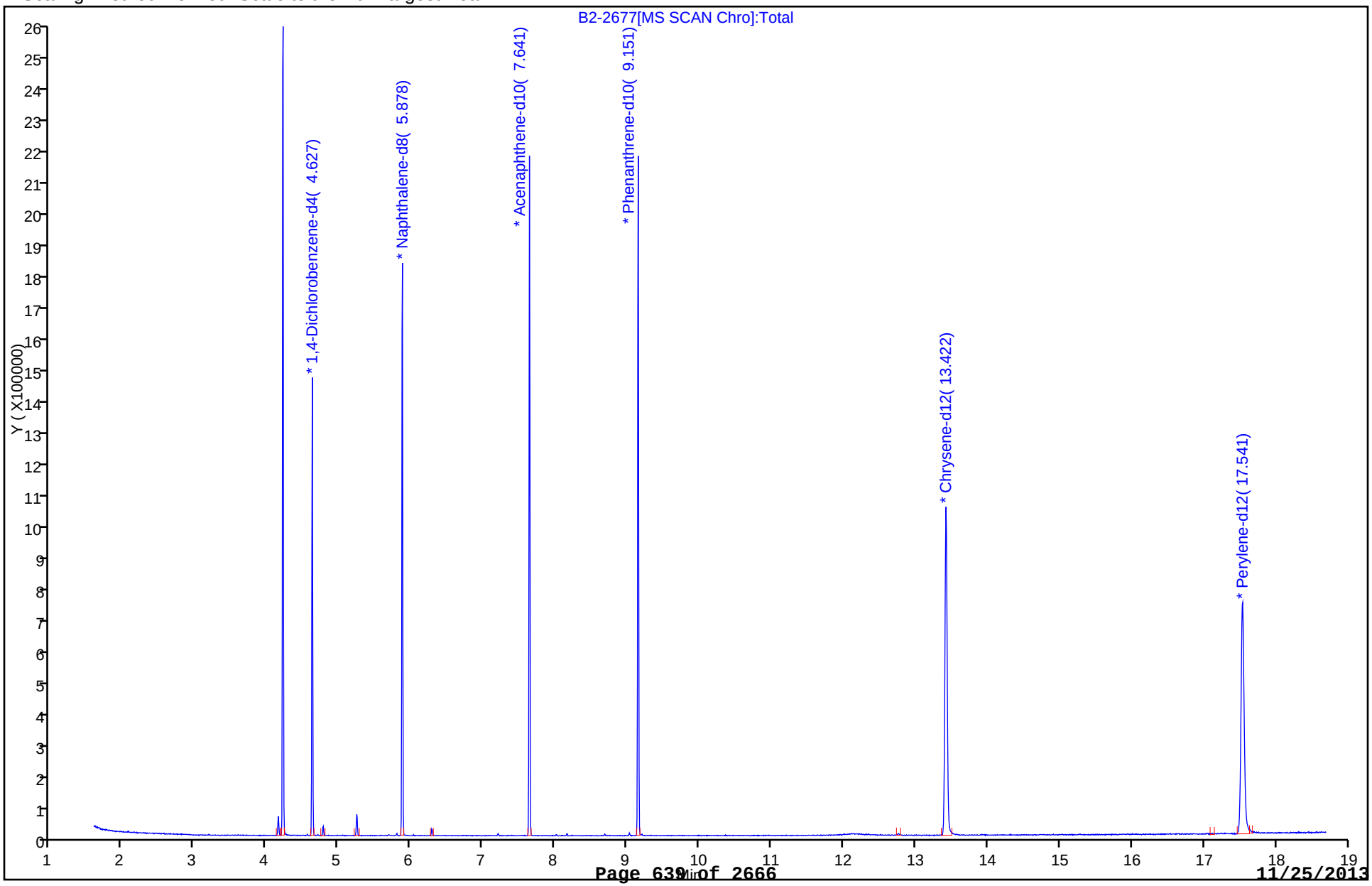
Report Date: 23-Oct-2013 06:54:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2677.D

Injection Date:	22-Oct-2013 18:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	25
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2678.D		
Lims ID:	STD010 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 18:47:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD010 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	25
Lims Batch ID:	197309	Lims Sample ID:	26
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:48	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.627	-0.002	92	197778	40.0	
* 2 Naphthalene-d8	136	5.877	5.878	-0.001	99	784555	40.0	
* 3 Acenaphthene-d10	164	7.639	7.641	-0.002	99	459238	40.0	
* 4 Phenanthrene-d10	188	9.149	9.151	-0.002	99	798525	40.0	
* 5 Chrysene-d12	240	13.421	13.422	-0.001	61	866271	40.0	
* 6 Perylene-d12	264	17.540	17.541	-0.001	98	835274	40.0	
31 Benzaldehyde	106	4.220	4.221	-0.001	88	54604	9.92	

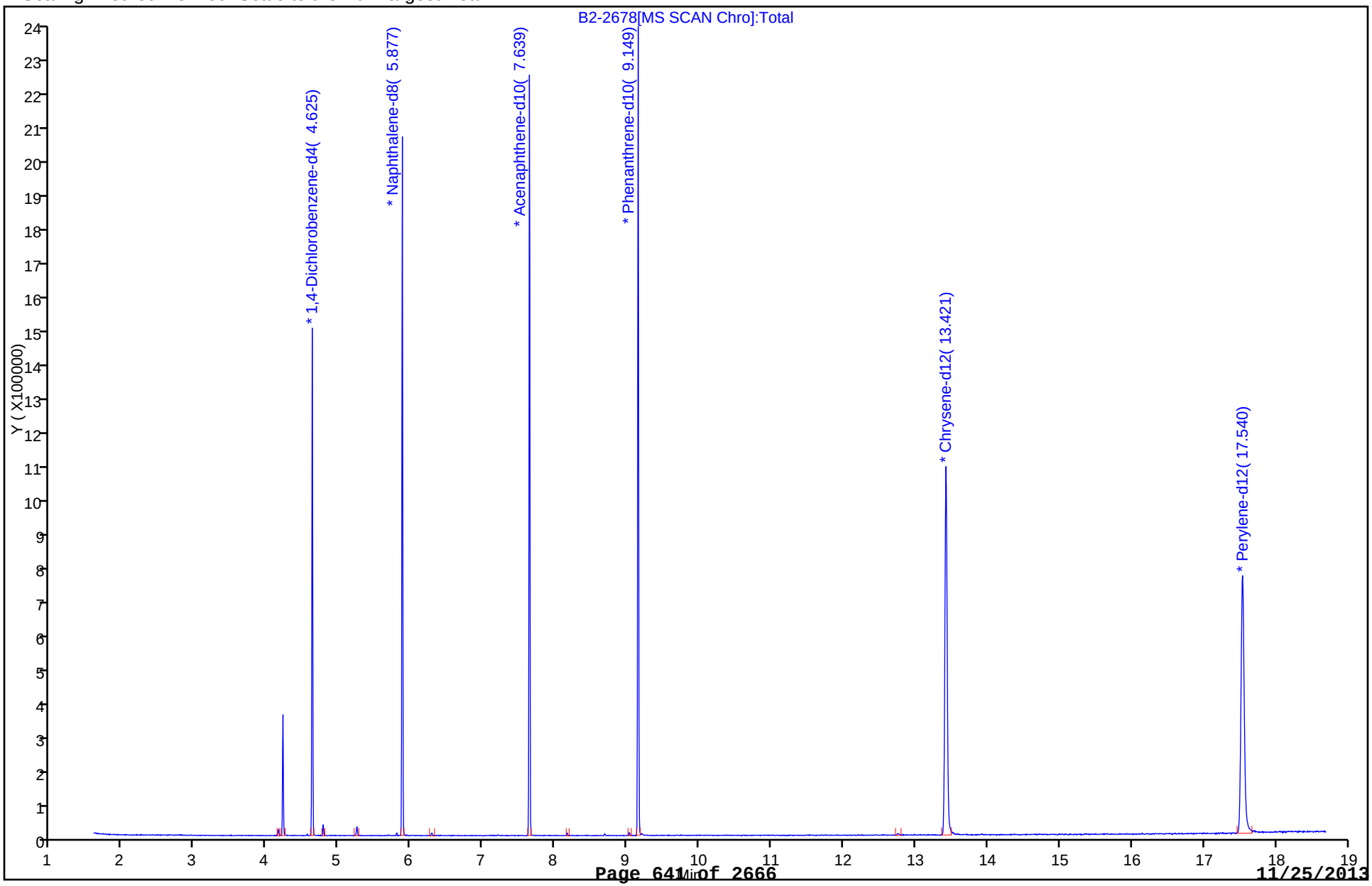
Report Date: 23-Oct-2013 06:54:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2678.D

Injection Date:	22-Oct-2013 18:47:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	26
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2679.D		
Lims ID:	STD020 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 19:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD020 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	26
Lims Batch ID:	197309	Lims Sample ID:	27
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:48	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.628	4.627	0.001	92	198443	40.0	
* 2 Naphthalene-d8	136	5.874	5.878	-0.004	99	773492	40.0	
* 3 Acenaphthene-d10	164	7.643	7.641	0.002	100	457210	40.0	
* 4 Phenanthrene-d10	188	9.147	9.151	-0.004	99	786951	40.0	
* 5 Chrysene-d12	240	13.424	13.422	0.002	71	834401	40.0	
* 6 Perylene-d12	264	17.543	17.541	0.002	98	822168	40.0	
31 Benzaldehyde	106	4.217	4.221	-0.004	89	108468	19.6	

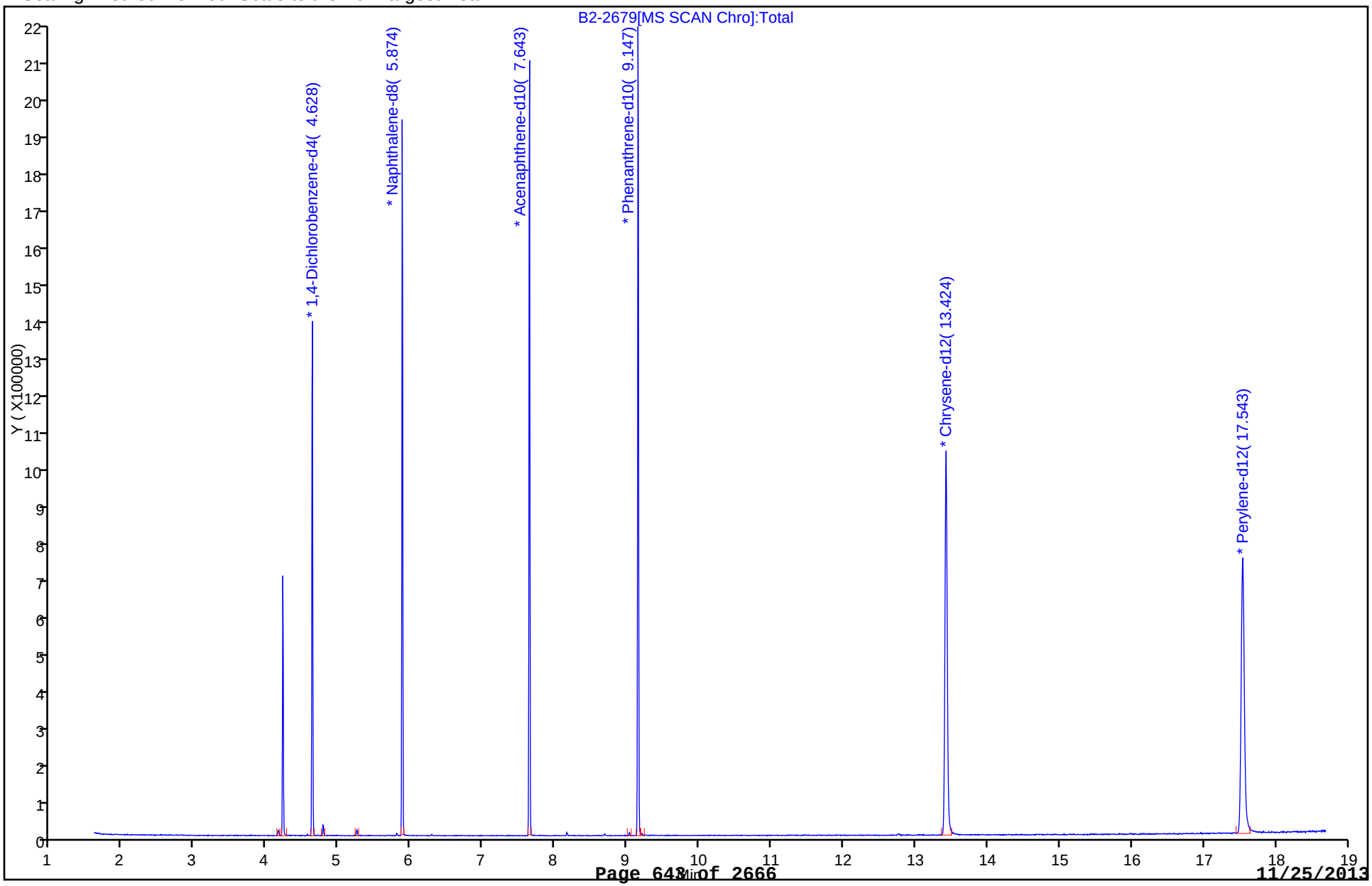
Report Date: 23-Oct-2013 06:54:49 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2679.D

Injection Date:	22-Oct-2013 19:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	27
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2680.D		
Lims ID:	STD050 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 19:39:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD050 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	27
Lims Batch ID:	197309	Lims Sample ID:	28
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:49	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.627	-0.001	92	200462	40.0	
* 2 Naphthalene-d8	136	5.877	5.878	-0.001	99	785153	40.0	
* 3 Acenaphthene-d10	164	7.640	7.641	-0.001	97	453795	40.0	
* 4 Phenanthrene-d10	188	9.150	9.151	-0.001	99	789669	40.0	
* 5 Chrysene-d12	240	13.421	13.422	-0.001	59	837819	40.0	
* 6 Perylene-d12	264	17.540	17.541	-0.001	98	831544	40.0	
31 Benzaldehyde	106	4.220	4.221	-0.001	88	285455	51.1	

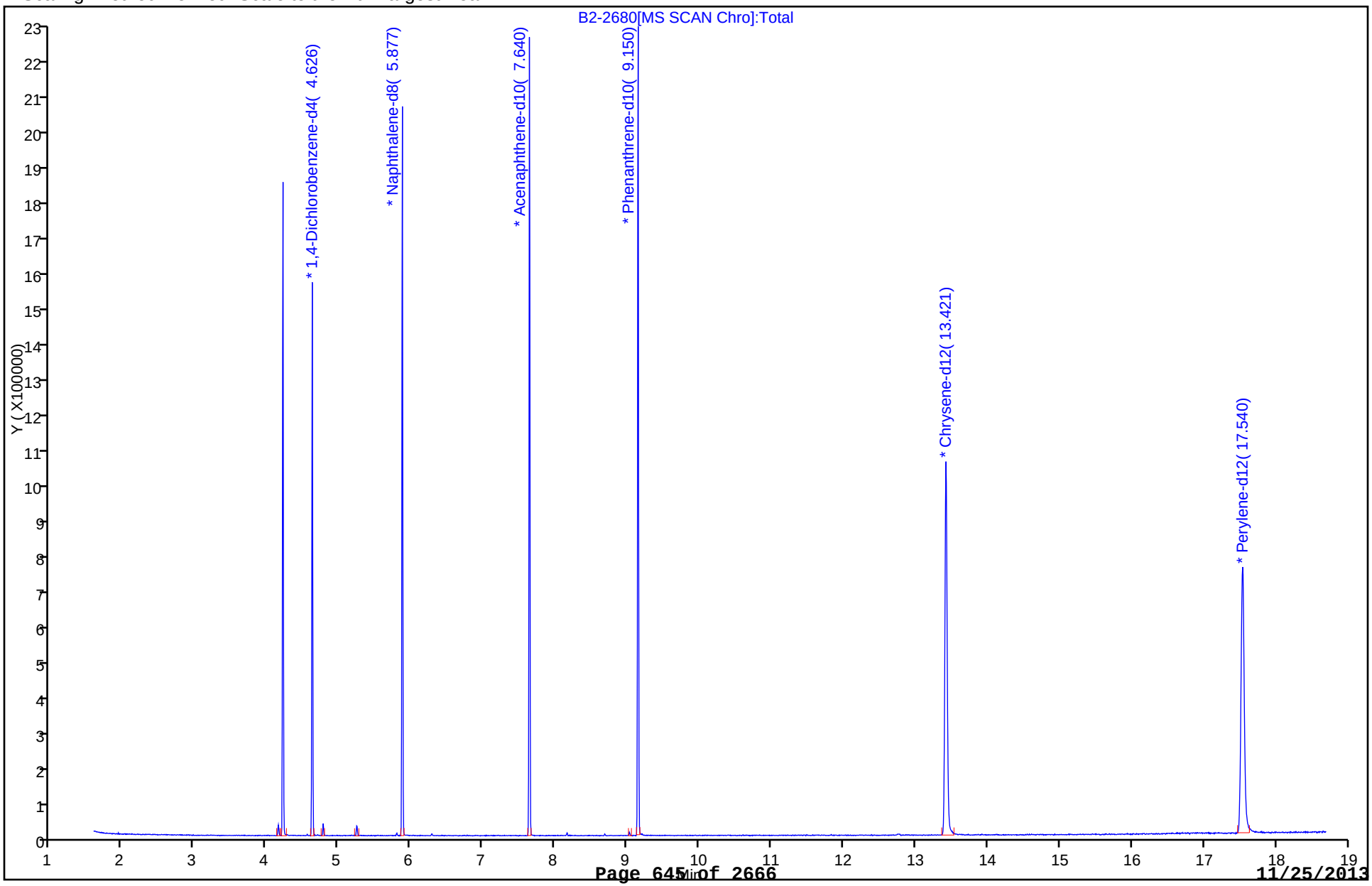
Report Date: 23-Oct-2013 06:54:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2680.D

Injection Date:	22-Oct-2013 19:39:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	28
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2681.D		
Lims ID:	STD120 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 20:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD120 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	28
Lims Batch ID:	197309	Lims Sample ID:	29
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:50	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.627	-0.002	92	196696	40.0	
* 2 Naphthalene-d8	136	5.877	5.878	-0.001	99	774899	40.0	
* 3 Acenaphthene-d10	164	7.639	7.641	-0.002	99	451736	40.0	
* 4 Phenanthrene-d10	188	9.149	9.151	-0.002	99	774614	40.0	
* 5 Chrysene-d12	240	13.427	13.422	0.005	66	832826	40.0	
* 6 Perylene-d12	264	17.539	17.541	-0.002	98	829389	40.0	
31 Benzaldehyde	106	4.220	4.221	-0.001	89	663853	121.2	

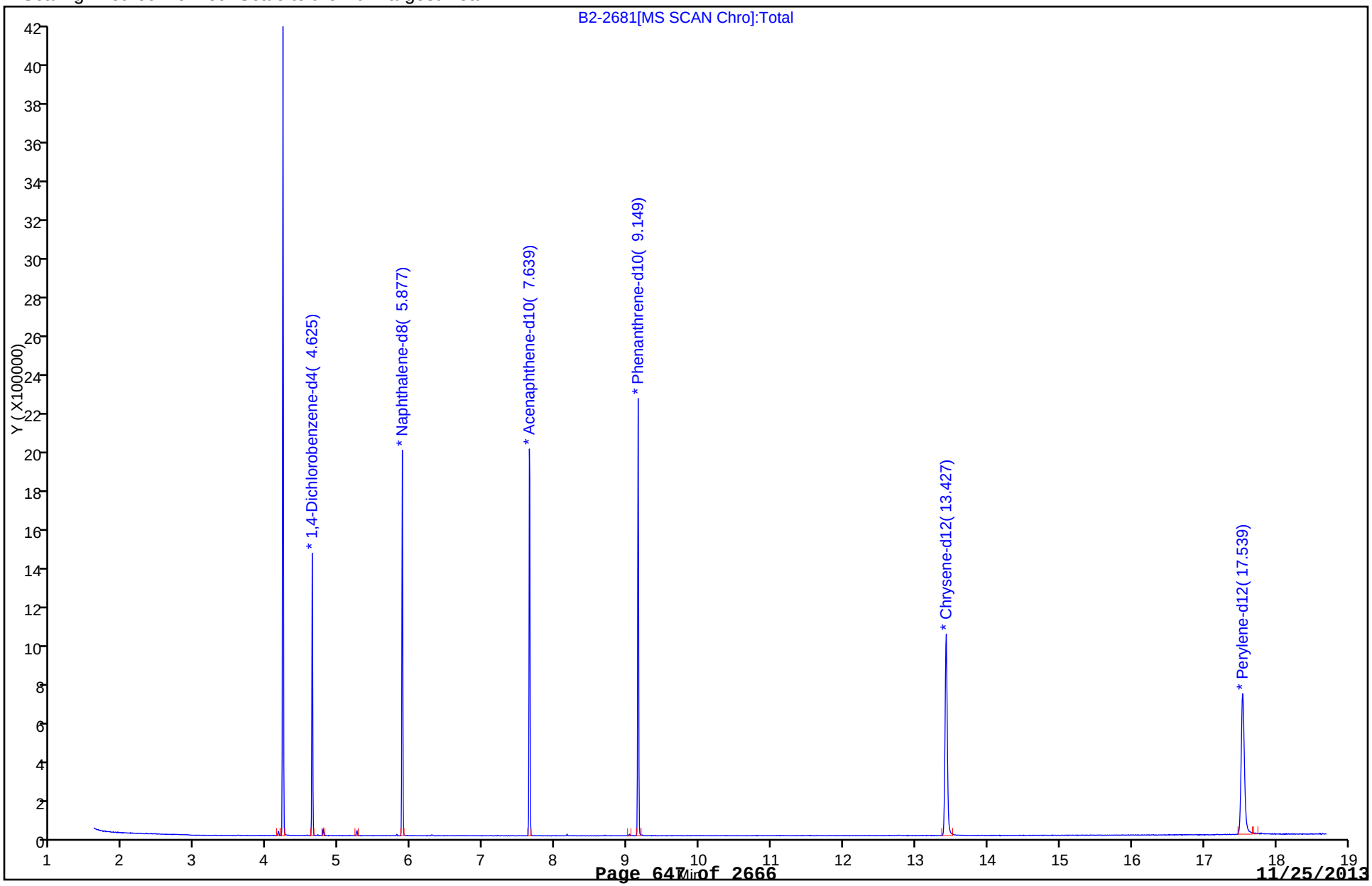
Report Date: 23-Oct-2013 06:54:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2681.D

Injection Date:	22-Oct-2013 20:05:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2682.D		
Lims ID:	STD160 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 20:31:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD160 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	29
Lims Batch ID:	197309	Lims Sample ID:	30
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:51	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.627	-0.002	92	199740	40.0	
* 2 Naphthalene-d8	136	5.876	5.878	-0.002	99	784631	40.0	
* 3 Acenaphthene-d10	164	7.639	7.641	-0.002	99	467844	40.0	
* 4 Phenanthrene-d10	188	9.149	9.151	-0.002	99	788726	40.0	
* 5 Chrysene-d12	240	13.426	13.422	0.004	68	853312	40.0	
* 6 Perylene-d12	264	17.539	17.541	-0.002	98	820405	40.0	
31 Benzaldehyde	106	4.219	4.221	-0.002	88	869882	156.4	

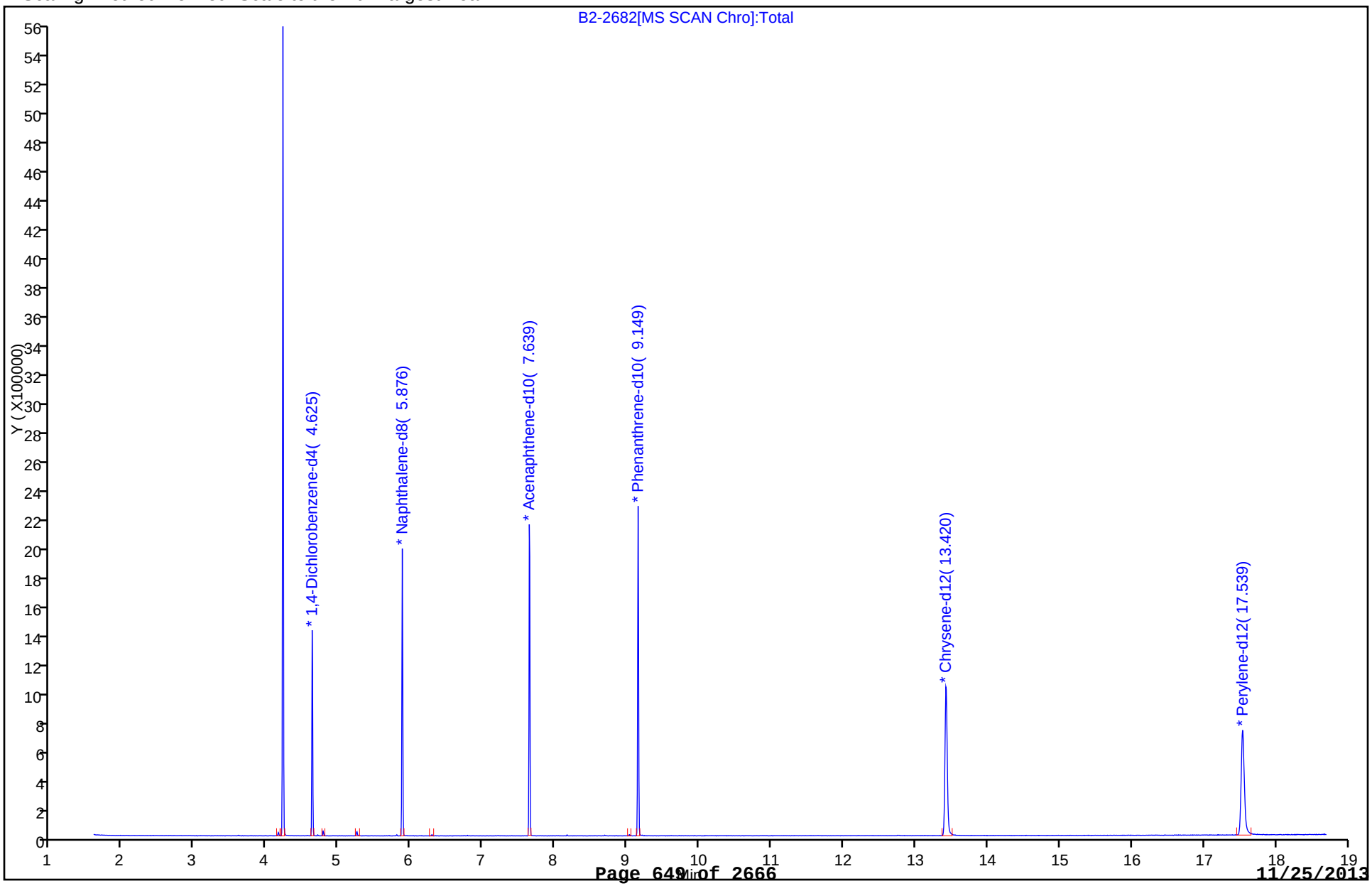
Report Date: 23-Oct-2013 06:54:51 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2682.D

Injection Date:	22-Oct-2013 20:31:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	30
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2683.D		
Lims ID:	STD200 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 20:57:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD200 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	30
Lims Batch ID:	197309	Lims Sample ID:	31
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:51	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.628	4.627	0.001	93	187609	40.0	
* 2 Naphthalene-d8	136	5.873	5.878	-0.005	99	745030	40.0	
* 3 Acenaphthene-d10	164	7.642	7.641	0.001	100	423824	40.0	
* 4 Phenanthrene-d10	188	9.146	9.151	-0.005	99	740414	40.0	
* 5 Chrysene-d12	240	13.423	13.422	0.001	65	783651	40.0	
* 6 Perylene-d12	264	17.542	17.541	0.001	97	763355	40.0	
31 Benzaldehyde	106	4.222	4.221	0.001	88	1029995	197.2	

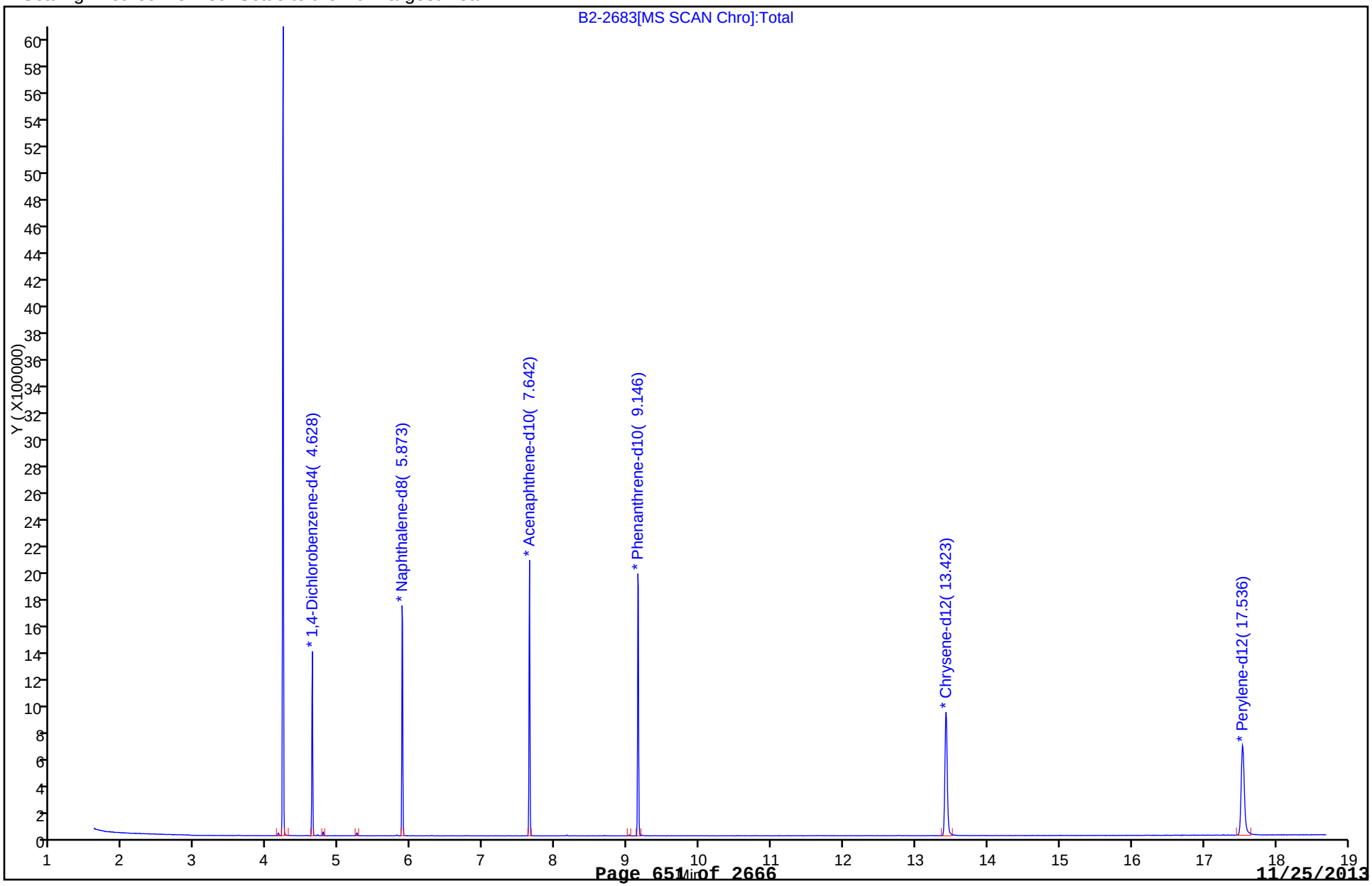
Report Date: 23-Oct-2013 06:54:51 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2683.D

Injection Date:	22-Oct-2013 20:57:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197081/33 Calibration Date: 10/22/2013 11:54

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2663.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5955	0.5715		96.0	100	-4.0	20.0
N-Nitrosodimethylamine	Ave	0.9348	0.8720		93.3	100	-6.7	20.0
Pyridine	Ave	1.647	1.651		100	100	0.3	20.0
Phenol	Ave	1.879	1.803		96.0	100	-4.0	20.0
Aniline	Ave	2.327	2.096		90.1	100	-9.9	20.0
Bis(2-chloroethyl)ether	Ave	1.417	1.344		94.8	100	-5.2	20.0
2-Chlorophenol	Ave	1.491	1.437		96.4	100	-3.6	20.0
1,3-Dichlorobenzene	Ave	1.586	1.525		96.1	100	-3.9	20.0
1,4-Dichlorobenzene	Ave	1.633	1.560		95.5	100	-4.5	20.0
Benzyl alcohol	Ave	0.9507	0.9614		101	100	1.1	20.0
1,2-Dichlorobenzene	Ave	1.540	1.478		96.0	100	-4.0	20.0
2-Methylphenol	Ave	1.349	1.317		97.6	100	-2.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.981	2.201		0.00100	72.0	11.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.045	1.019	0.0500	97.5	100	-2.5	20.0
3 & 4 Methylphenol	Ave	1.423	1.371		96.3	100	-3.7	20.0
4-Methylphenol	Ave	1.423	1.371		96.3	100	-3.7	20.0
Acetophenone	Ave	1.975	1.919		97.2	100	-2.8	20.0
Hexachloroethane	Ave	0.5895	0.5886		99.8	100	-0.2	20.0
Nitrobenzene	Ave	0.3865	0.3713		96.1	100	-3.9	20.0
Isophorone	Ave	0.6796	0.6899		102	100	1.5	20.0
2-Nitrophenol	Ave	0.1912	0.1986		104	100	3.9	20.0
2,4-Dimethylphenol	Ave	0.3555	0.2900		81.6	100	-18.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.4236	0.3920		92.5	100	-7.5	20.0
Benzoic acid	Lin2		0.2571		216	200	8.0	20.0
2,4-Dichlorophenol	Ave	0.2988	0.2890		96.7	100	-3.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3294	0.3164		96.1	100	-3.9	20.0
Naphthalene	Ave	1.043	0.9915		95.1	100	-4.9	20.0
4-Chloroaniline	Ave	0.4746	0.4319		91.0	100	-9.0	20.0
Hexachlorobutadiene	Ave	0.1724	0.1660		96.3	100	-3.7	20.0
4-Chloro-3-methylphenol	Ave	0.3055	0.2975		97.4	100	-2.6	20.0
2-Methylnaphthalene	Ave	0.7174	0.6804		94.9	100	-5.1	20.0
1-Methylnaphthalene	Ave	0.6759	0.6369		94.2	100	-5.8	20.0
Hexachlorocyclopentadiene	Lin1		0.2846	0.0500	102	100	2.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3169	0.3060		96.6	100	-3.4	20.0
2,4,6-Trichlorophenol	Ave	0.3437	0.3504		102	100	2.0	20.0
2,4,5-Trichlorophenol	Ave	0.3713	0.3750		101	100	1.0	20.0
1,1'-Biphenyl	Ave	1.468	1.388		94.5	100	-5.5	20.0
2-Chloronaphthalene	Ave	1.154	1.102		95.5	100	-4.5	20.0
2-Nitroaniline	Ave	0.3982	0.4008		101	100	0.6	20.0
Dimethyl phthalate	Ave	1.269	1.224		96.5	100	-3.5	20.0
2,6-Dinitrotoluene	Ave	0.3034	0.3014		99.3	100	-0.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197081/33 Calibration Date: 10/22/2013 11:54

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2663.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.856	1.788		96.4	100	-3.6	20.0
3-Nitroaniline	Ave	0.3693	0.3531		95.6	100	-4.4	20.0
Acenaphthene	Ave	1.199	1.156		96.4	100	-3.6	20.0
2,4-Dinitrophenol	Lin1		0.1640	0.0500	194	200	-3.0	20.0
4-Nitrophenol	Ave	0.1728	0.1802	0.0500	209	200	4.3	20.0
2,4-Dinitrotoluene	Ave	0.3969	0.4046		102	100	2.0	20.0
Dibenzofuran	Ave	1.642	1.554		94.6	100	-5.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2884	0.3023		105	100	4.8	20.0
Diethyl phthalate	Ave	1.267	1.222		96.5	100	-3.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6103	0.5921		97.0	100	-3.0	20.0
Fluorene	Ave	1.371	1.329		97.0	100	-3.0	20.0
4-Nitroaniline	Ave	0.3658	0.3647		99.7	100	-0.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1449		211	200	5.5	20.0
N-Nitrosodiphenylamine	Ave	0.5819	0.5736		98.6	100	-1.4	20.0
1,2-Diphenylhydrazine	Ave	1.362	1.324		98.3	101	-2.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2164	0.2117		97.8	100	-2.2	20.0
Hexachlorobenzene	Ave	0.2559	0.2467		96.4	100	-3.6	20.0
Pentachlorophenol	Lin2		0.1410		205	200	2.5	20.0
Phenanthrene	Ave	1.135	1.095		96.5	100	-3.5	20.0
Anthracene	Ave	1.167	1.123		96.2	100	-3.8	20.0
Carbazole	Ave	1.136	1.073		94.4	100	-5.6	20.0
Di-n-butyl phthalate	Ave	1.245	1.235		99.2	100	-0.8	20.0
Fluoranthene	Ave	1.233	1.188		96.4	100	-3.6	20.0
Pyrene	Ave	1.144	1.138		99.4	100	-0.6	20.0
Butyl benzyl phthalate	Ave	0.4972	0.5190		104	100	4.4	20.0
Benzo[a]anthracene	Ave	1.087	1.063		97.8	100	-2.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6639	0.6787		102	100	2.2	20.0
Chrysene	Ave	1.033	1.043		101	100	1.0	20.0
Di-n-octyl phthalate	Lin2		1.155		103	100	2.7	20.0
Benzo[b]fluoranthene	Ave	1.107	1.104		99.8	100	-0.2	20.0
Benzo[k]fluoranthene	Ave	1.172	1.146		97.8	100	-2.2	20.0
Benzo[a]pyrene	Ave	1.107	1.083		97.8	100	-2.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9718	0.9237		95.0	100	-5.0	20.0
Dibenz(a,h)anthracene	Ave	1.040	1.038		99.9	100	-0.1	20.0
Benzo[g,h,i]perylene	Ave	1.103	1.073		97.3	100	-2.7	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D
Lims ID: ICV HSL 1 Client ID:
Inject. Date: 22-Oct-2013 11:54:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HSL 1
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 10
Lims Batch ID: 197081 Lims Sample ID: 33
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:25 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:45:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	91	242730	40.0	
* 2 Naphthalene-d8	136	5.876	5.876	0.0	99	992784	40.0	
* 3 Acenaphthene-d10	164	7.645	7.645	0.0	99	584910	40.0	
* 4 Phenanthrene-d10	188	9.149	9.155	-0.006	99	992994	40.0	
* 5 Chrysene-d12	240	13.432	13.432	0.0	90	1089569	40.0	
* 6 Perylene-d12	264	17.539	17.545	-0.006	95	1042327	40.0	
19 1,4-Dioxane	88	1.916	1.916	0.0	96	346823	96.0	
20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	99	529168	93.3	
21 Pyridine	79	2.228	2.233	-0.005	96	1001923	100.3	
32 Phenol	94	4.284	4.284	0.0	68	1094352	96.0	
34 Aniline	93	4.319	4.319	0.0	99	1272112	90.1	
35 Alpha Methyl Styrene	118	4.343	4.349	-0.006	88	855677	97.4	
36 Bis(2-chloroethyl)ether	93	4.355	4.354	0.001	88	815628	94.8	
38 n-Decane	43	4.413	4.413	0.0	96	812633	91.5	
39 2-Chlorophenol	128	4.437	4.437	0.0	97	871979	96.4	
40 1,3-Dichlorobenzene	146	4.572	4.578	-0.006	98	925292	96.1	
42 1,4-Dichlorobenzene	146	4.642	4.648	-0.006	97	946837	95.5	
43 Benzyl alcohol	108	4.748	4.754	-0.006	99	583389	101.1	
44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	98	897024	96.0	
45 2-Methylphenol	108	4.854	4.860	-0.006	93	799196	97.6	
46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	81	961473	80.0	M
47 Indene	116	4.877	4.877	0.0	92	1450729	99.2	
49 3 & 4 Methylphenol	108	5.001	5.007	-0.006	94	831846	96.3	
50 3-Methylphenol	108	5.001	5.007	-0.006	90	831846	96.3	
51 4-Methylphenol	108	5.001	5.007	-0.006	98	831846	96.3	
52 N-Nitrosodi-n-propylamine	70	4.989	4.989	0.0	98	618082	97.5	
54 Acetophenone	105	5.007	5.012	-0.005	96	1164362	97.2	
58 Hexachloroethane	117	5.118	5.124	-0.006	96	357185	99.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
59 Nitrobenzene	77	5.189	5.189	0.0	98	921618	96.1	
63 Isophorone	82	5.400	5.406	-0.006	99	1712398	101.5	
64 2-Nitrophenol	139	5.500	5.500	0.0	98	492922	103.9	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	99	719801	81.6	
68 Benzoic acid	105	5.641	5.629	0.012	98	1276233	216.1	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	95	972828	92.5	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	97	871258	95.3	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	98	717354	96.7	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	95	785252	96.1	
79 Naphthalene	128	5.900	5.900	0.0	100	2460852	95.1	
80 4-Chloroaniline	127	5.947	5.953	-0.006	100	1072061	91.0	
83 Hexachlorobutadiene	225	5.994	6.000	-0.006	97	412084	96.3	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	99	738443	97.4	
93 2-Methylnaphthalene	142	6.581	6.587	-0.006	100	1688818	94.9	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	100	1580706	94.2	
97 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	98	416163	102.1	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	96	759561	96.6	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	94	512431	102.0	
101 2,3-Dichlorobenzenamine	161	6.875	6.881	-0.006	96	890655	93.3	
102 2,4,5-Trichlorophenol	196	6.916	6.922	-0.006	97	548279	101.0	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	96	2029262	94.5	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	1611750	95.5	
108 2-Nitroaniline	65	7.192	7.192	0.0	97	586011	100.6	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	1789881	96.5	
112 1,3-Dinitrobenzene	168	7.398	7.398	0.0	82	326292	105.1	
113 2,6-Dinitrotoluene	165	7.422	7.421	0.001	96	440733	99.3	
114 Acenaphthylene	152	7.504	7.504	0.0	99	2615237	96.4	
115 3-Nitroaniline	138	7.610	7.609	0.001	98	516277	95.6	
117 Acenaphthene	153	7.680	7.680	0.0	99	1690994	96.4	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	94	479650	194.1	
119 4-Nitrophenol	109	7.792	7.792	0.0	97	527134	208.6	
122 2,4-Dinitrotoluene	165	7.827	7.827	0.0	92	591641	102.0	
123 Dibenzofuran	168	7.850	7.850	0.0	100	2272417	94.6	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	72	442059	104.8	
127 Hexadecane	57	8.003	8.003	0.0	97	1250854	94.2	
130 Diethyl phthalate	149	8.038	8.038	0.0	100	1786762	96.5	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	98	865837	97.0	
135 Fluorene	166	8.197	8.197	0.0	100	1943873	97.0	
138 4-Nitroaniline	138	8.232	8.232	0.0	97	533238	99.7	
139 4,6-Dinitro-2-methylphenol	198	8.244	8.244	0.0	91	719569	211.1	
141 N-Nitrosodiphenylamine	169	8.297	8.303	-0.006	97	1423902	98.6	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	97	1957093	98.3	
144 Azobenzene	77	8.338	8.338	0.0	97	1957093	97.2	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	99	525540	97.8	
157 Hexachlorobenzene	284	8.749	8.755	-0.006	97	612437	96.4	
161 n-Octadecane	85	8.926	8.926	0.0	96	451170	97.8	
163 Pentachlorophenol	266	8.955	8.955	0.0	96	699899	205.1	
168 Phenanthrene	178	9.178	9.178	0.0	100	2718306	96.5	
169 Anthracene	178	9.225	9.231	-0.006	100	2786626	96.2	
170 Carbazole	167	9.396	9.396	0.0	100	2662534	94.4	
171 Alachlor	188	9.478	9.484	-0.006	95	353435	101.5	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	3065648	99.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
179 Fluoranthene	202	10.600	10.600	0.0	100	2948817	96.4	
182 Pyrene	202	10.959	10.964	-0.005	96	3099189	99.4	
190 Butyl benzyl phthalate	149	12.081	12.081	0.0	99	1413676	104.4	
195 Bis(2-ethylhexyl) phthalate	149	13.415	13.414	0.001	96	1848715	102.2	
198 Benzo[a]anthracene	228	13.403	13.409	-0.005	99	2895179	97.8	
199 Chrysene	228	13.497	13.503	-0.005	98	2841922	101.0	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	100	3147022	102.7	
203 Benzo[b]fluoranthene	252	16.393	16.399	-0.006	97	2877859	99.8	
204 Benzo[k]fluoranthene	252	16.476	16.476	0.0	98	2986117	97.8	
206 Benzo[e]pyrene	252	17.222	17.216	0.006	97	2780060	109.7	
207 Benzo[a]pyrene	252	17.375	17.374	0.001	96	2821862	97.8	
213 Dibenz(a,h)anthracene	278	20.824	20.817	0.007	71	2705802	99.9	
214 Indeno[1,2,3-cd]pyrene	276	20.741	20.735	0.006	71	2515978	95.0	M
215 Benzo[g,h,i]perylene	276	21.517	21.505	0.012	96	2797091	97.3	

QC Flag Legend

Review Flags
M - Manually Integrated

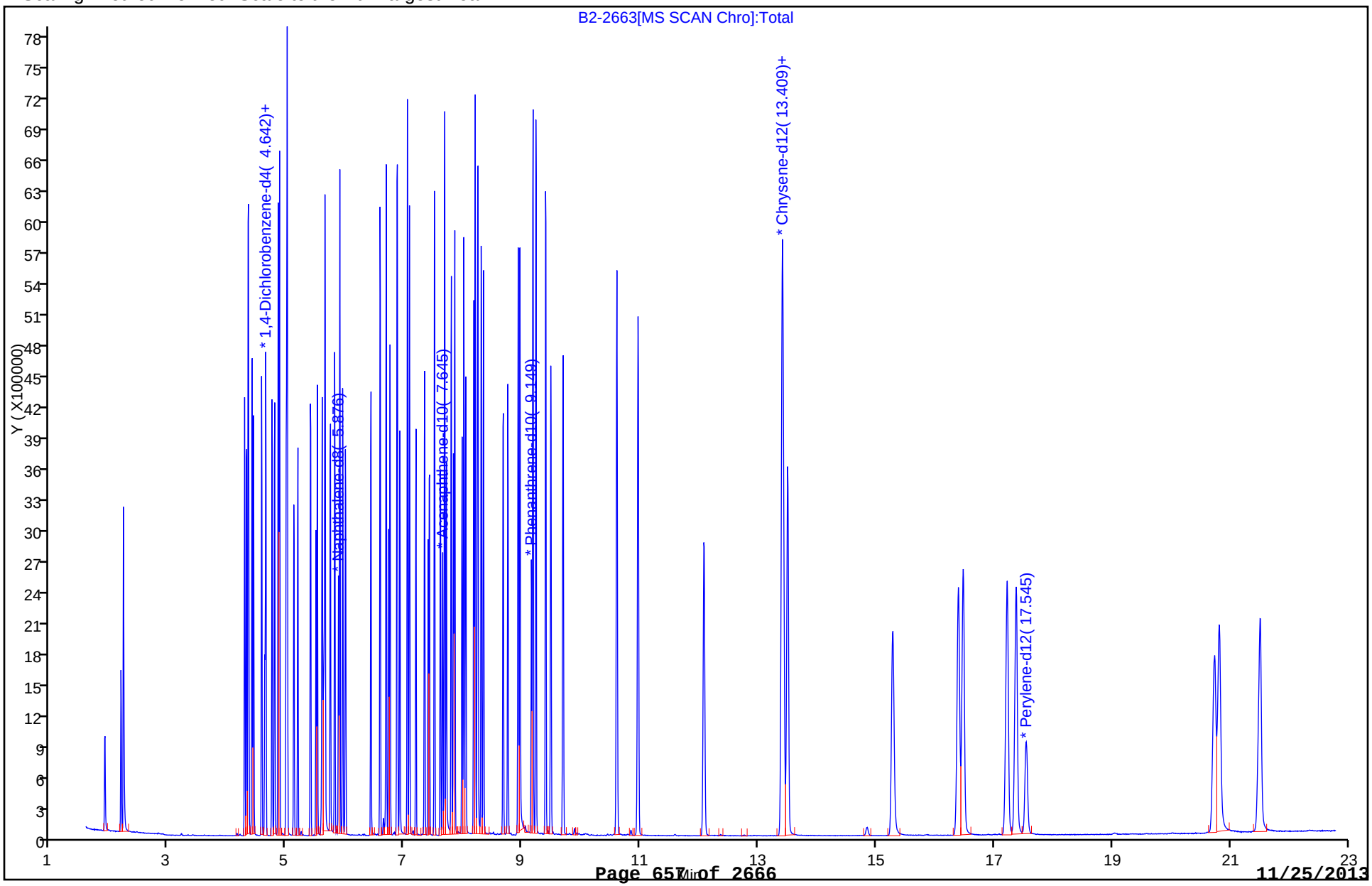
Report Date: 22-Oct-2013 13:24:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D

Injection Date:	22-Oct-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	33
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



11/25/2013

Manual Integration/User Assign Peak Report

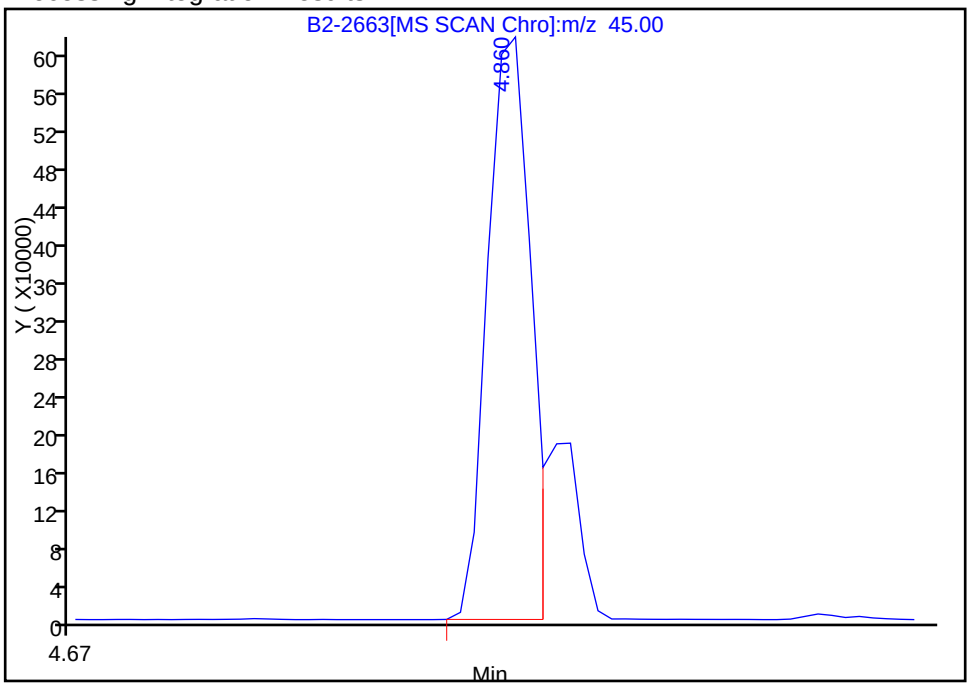
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D		
Injection Date:	22-Oct-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	33
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

46 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 4.86

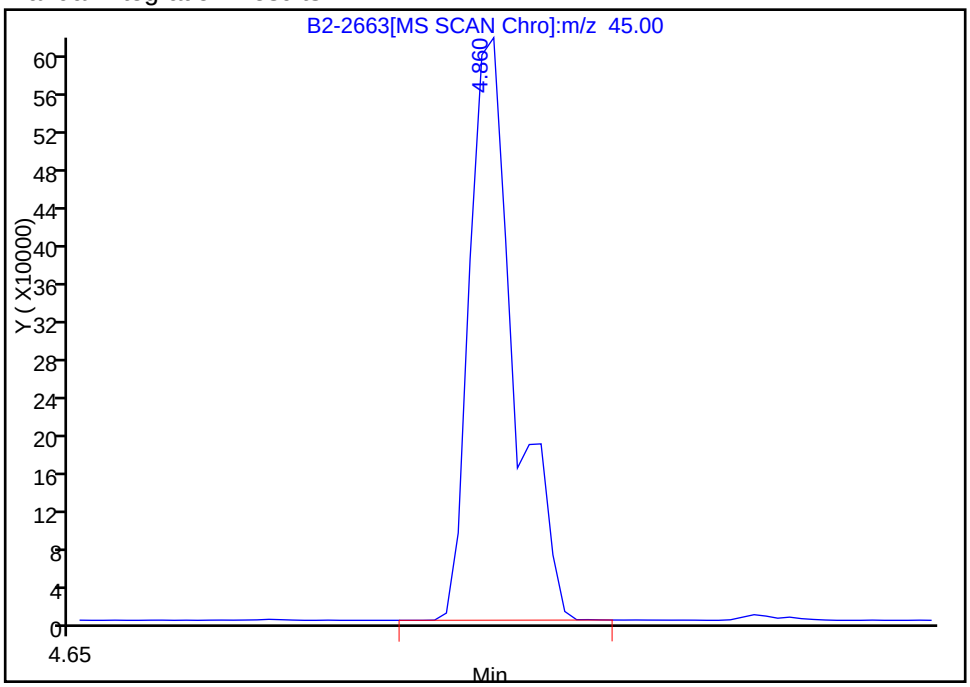
Processing Integration Results

RT: 4.86
Response: 801391
Amount: 66.660367



Manual Integration Results

RT: 4.86
Response: 961473
Amount: 79.976120



Reviewer: kiekeld, 22-Oct-2013 12:45:30
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

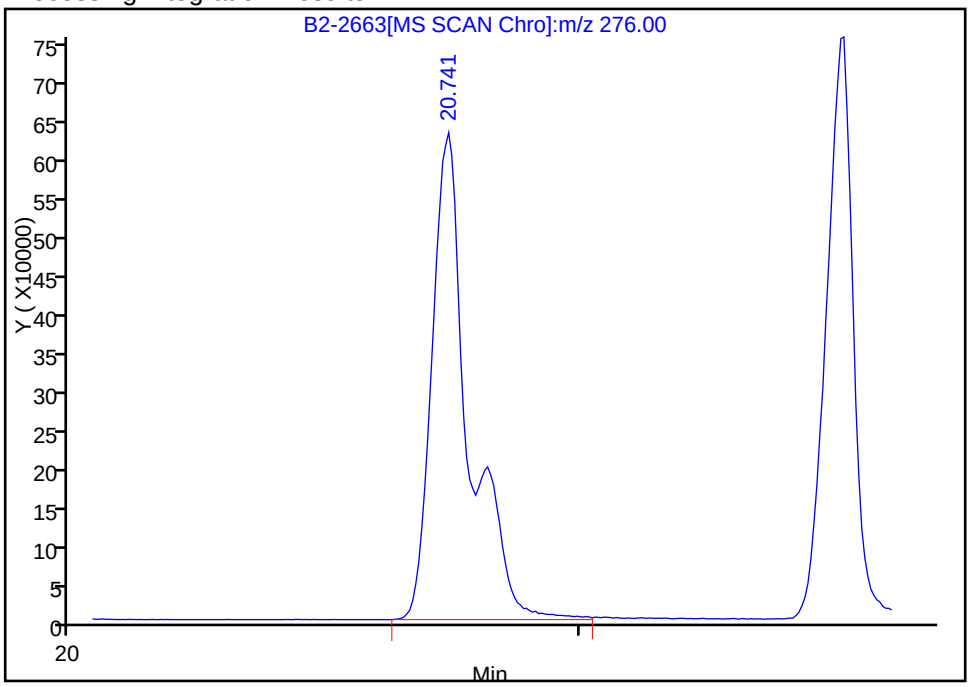
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D		
Injection Date:	22-Oct-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	33
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

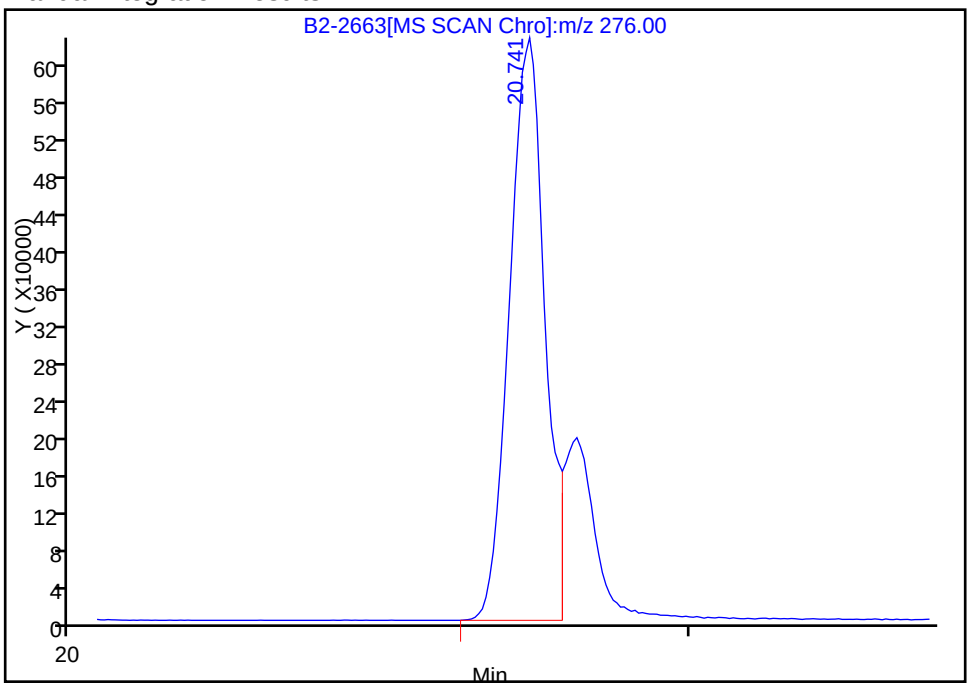
Processing Integration Results

RT: 20.74
Response: 3172133
Amount: 119.8320



Manual Integration Results

RT: 20.74
Response: 2515978
Amount: 95.044808



Reviewer: kiekeld, 22-Oct-2013 12:45:30
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197081/34 Calibration Date: 10/22/2013 12:24

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2664.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Caprolactam	Ave	0.2033	0.1701		83.7	100	-16.3	20.0
Atrazine	Ave	0.1829	0.1703		93.1	100	-6.9	20.0
Benzidine	Ave	0.6276	0.7189		115	100	14.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4119	0.3810		92.5	100	-7.5	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2664.D
Lims ID: ICV HSL 2 Client ID:
Inject. Date: 22-Oct-2013 12:24:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HSL 2
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 11
Lims Batch ID: 197081 Lims Sample ID: 34
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:25 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:52:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	92	301070	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	98	1220361	40.0	
* 3 Acenaphthene-d10	164	7.640	7.645	-0.005	99	744363	40.0	
* 4 Phenanthrene-d10	188	9.150	9.155	-0.005	99	1280564	40.0	
* 5 Chrysene-d12	240	13.427	13.432	-0.005	76	1425687	40.0	
* 6 Perylene-d12	264	17.540	17.545	-0.005	98	1345258	40.0	
86 Caprolactam	55	6.282	6.299	-0.017	95	519021	83.7	
159 Atrazine	200	8.815	8.814	0.001	95	545303	93.1	
181 Benzidine	184	10.801	10.800	0.0	65	2562220	114.5	
197 3,3'-Dichlorobenzidine	252	13.374	13.379	-0.005	99	1358049	92.5	

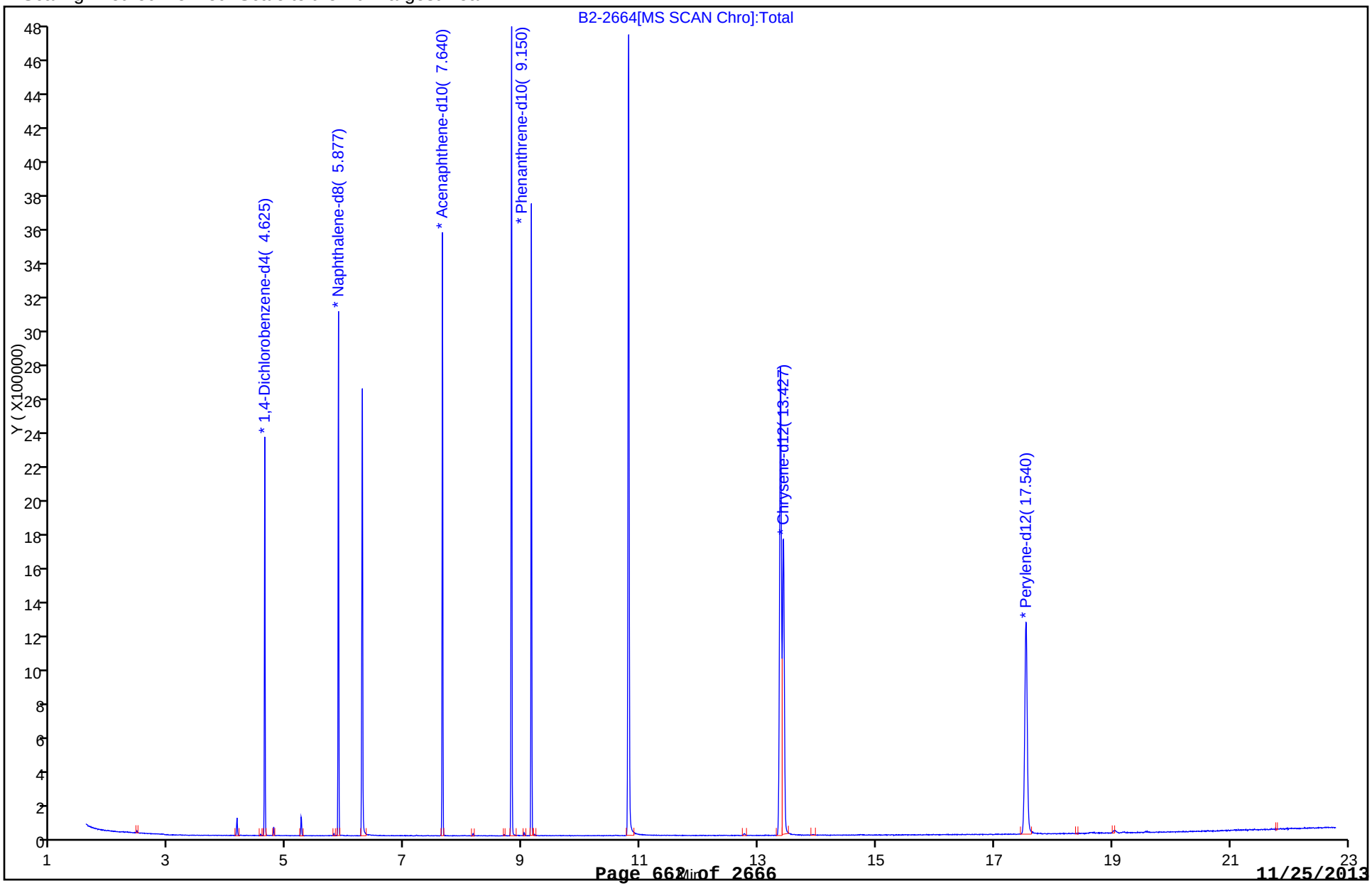
Report Date: 22-Oct-2013 13:24:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2664.D

Injection Date:	22-Oct-2013 12:24:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	34
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197087/22 Calibration Date: 10/22/2013 16:55

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 13:34

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 16:27

Lab File ID: B2-2674.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl methanesulfonate	Ave	1.067	1.069		100	100	0.1	50.0
Pentachloroethane	Ave	0.4568	0.4809		105	100	5.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1539	0.1549		101	100	0.6	20.0
2,6-Dichlorophenol	Ave	0.2570	0.2803		109	100	9.0	20.0
Pentachlorobenzene	Ave	0.4778	0.4850		102	100	1.5	20.0
Thionazin	Ave	0.2759	0.2889		105	100	4.7	20.0
Sulfotepp	Ave	0.1166	0.1185		102	100	1.6	20.0
Diallate Peak 1	Ave	0.2863	0.2938		77.9	75.9	2.6	50.0
Phorate	Ave	0.1299	0.1303		100	100	0.3	20.0
Diallate Peak 2	Ave	0.3057	0.3058		24.1	24.1	0.0	50.0
Dimethoate	Ave	0.2579	0.2767		107	100	7.3	20.0
Disulfoton	Ave	0.3397	0.3405		100	100	0.2	20.0
Methyl parathion	Ave	0.2143	0.2341		109	100	9.3	20.0
Ethyl Parathion	Ave	0.1397	0.1538		110	100	10.1	20.0
Aramite Peak 1	Lin2		0.0948		61.1	45.0	35.8	50.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5297	0.5040		95.2	100	-4.8	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2674.D
Lims ID: ICV AP9 1 Client ID:
Inject. Date: 22-Oct-2013 16:55:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AP9 1
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 21
Lims Batch ID: 197087 Lims Sample ID: 22
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:46 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:24:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.625	0.002	92	277509	40.0	
* 2 Naphthalene-d8	136	5.879	5.877	0.002	100	1102591	40.0	
* 3 Acenaphthene-d10	164	7.641	7.640	0.001	99	654899	40.0	
* 4 Phenanthrene-d10	188	9.151	9.150	0.001	99	1142677	40.0	
* 5 Chrysene-d12	240	13.423	13.427	-0.004	72	1266921	40.0	
* 6 Perylene-d12	264	17.541	17.540	0.001	97	1216716	40.0	
26 Methyl methanesulfonate	80	3.252	3.251	0.001	88	584503	101.8	
29 Ethyl methanesulfonate	79	3.881	3.879	0.002	97	741343	100.1	
37 Pentachloroethane	117	4.363	4.361	0.002	85	333663	105.3	
67 o,o',o''-Triethylphosphorothioat	198	5.550	5.554	-0.004	90	426862	100.6	
81 2,6-Dichlorophenol	162	5.955	5.953	0.002	95	772643	109.0	
82 Hexachloropropene	213	5.978	5.977	0.001	84	553062	107.8	
90 Safrole, Total	162	6.478	6.476	0.002	89	732294	99.8	
99 Isosafrole Peak 1	162	6.772	6.770	0.002	90	104121	15.4	
103 Isosafrole Peak 2	104	7.001	6.999	0.002	93	339469	173.3	E
107 1-Chloronaphthalene	162	7.107	7.105	0.002	97	1738105	100.5	
109 1,4-Naphthoquinone	158	7.265	7.264	0.001	90	774942	171.8	
121 Pentachlorobenzene	250	7.800	7.804	-0.004	98	794045	101.5	
133 Thionazin	97	8.117	8.115	0.002	80	472958	104.7	
146 Sulfotepp	97	8.405	8.403	0.002	80	338461	101.6	
150 Diallate Peak 1	86	8.558	8.556	0.002	96	637112	77.9	
152 Phorate	121	8.575	8.574	0.001	93	372182	100.3	
155 Diallate Peak 2	86	8.652	8.650	0.002	97	210515	24.1	E
158 Dimethoate	87	8.769	8.768	0.001	94	790571	107.3	
166 Disulfoton	88	9.098	9.097	0.001	96	972565	100.2	
167 Dinoseb	211	9.104	9.108	-0.004	88	406127	92.3	
172 Methyl parathion	109	9.498	9.502	-0.004	94	668778	109.3	
174 Ethyl Parathion	109	9.927	9.931	-0.004	84	439333	110.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
176 Methapyrilene	97	10.068	10.066	0.002	95	1073157	113.6	
178 Isodrin	193	10.367	10.366	0.001	94	358990	107.9	
183 Aramite Peak 1	185	11.078	11.083	-0.005	96	135069	61.1	
185 Aramite Peak 2	185	11.214	11.212	0.002	94	166241	79.4	
187 Chlorobenzilate	251	11.478	11.482	-0.004	91	980191	109.4	
200 6-Methylchrysene	242	14.698	14.702	-0.004	99	2513199	105.6	
202 7,12-Dimethylbenz(a)anthracene	256	16.378	16.376	0.002	81	1533017	95.2	
209 3-Methylcholanthrene	268	18.440	18.439	0.001	76	1784130	104.2	
S 219 Isosafrole	162				0		188.7	
S 220 Diallate	86				0		102.0	
S 221 Aramite, Total	185				0		140.5	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

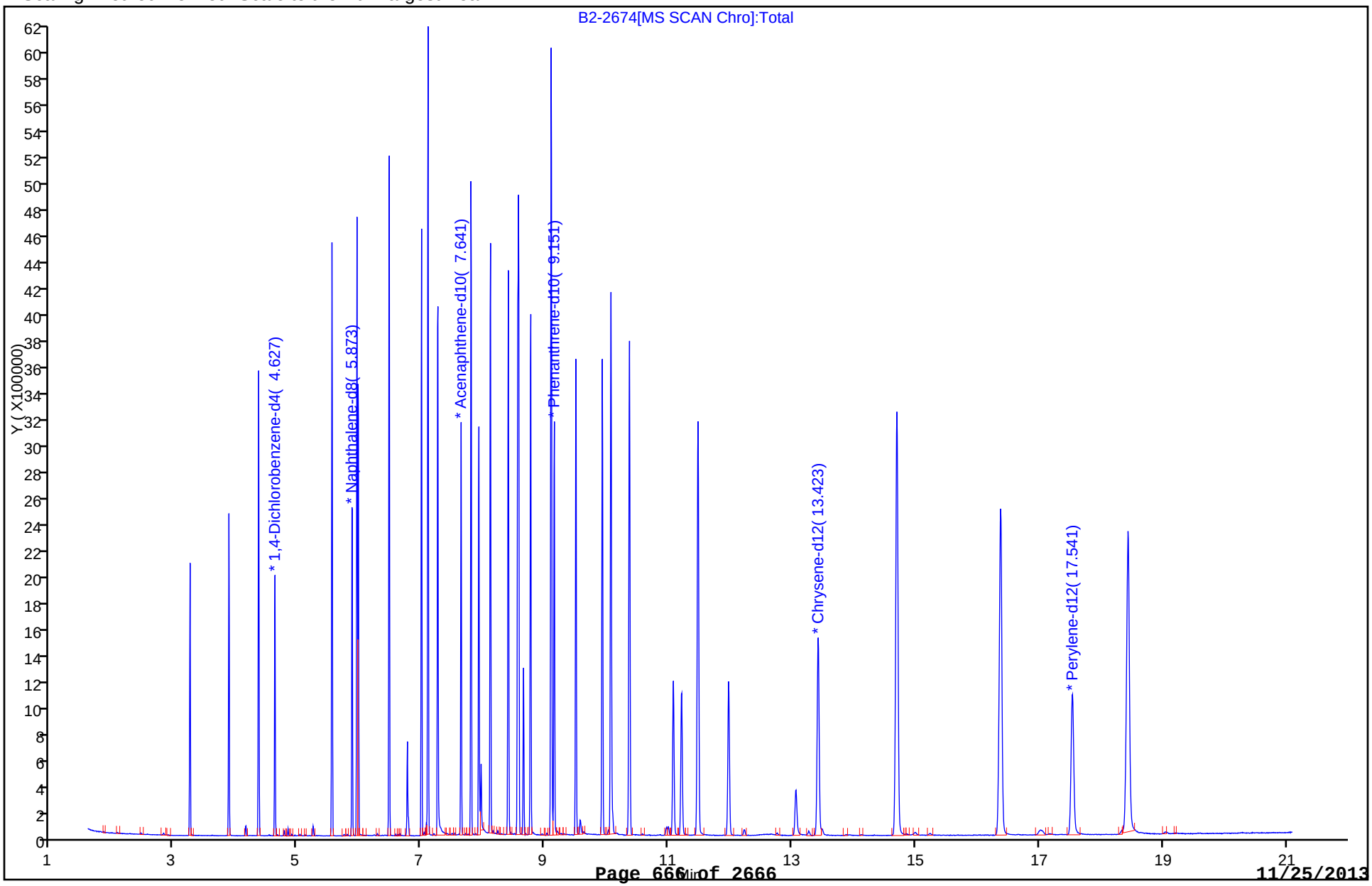
Report Date: 23-Oct-2013 06:54:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2674.D

Injection Date:	22-Oct-2013 16:55:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	22
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197087/24 Calibration Date: 10/22/2013 17:52

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 13:34

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 16:27

Lab File ID: B2-2676.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiethylamine	Ave	0.6430	0.6554		102	100	1.9	20.0
N-Nitrosopyrrolidine	Ave	0.7548	0.7711		102	100	2.2	20.0
N-Nitrosodi-n-butylamine	Ave	0.2252	0.2346		104	100	4.2	20.0
p-Dimethylamino azobenzene	Ave	0.2849	0.2922		103	100	2.6	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2676.D
Lims ID: ICV AP9 3 Client ID:
Inject. Date: 22-Oct-2013 17:52:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AP9 3
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 23
Lims Batch ID: 197087 Lims Sample ID: 24
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:46 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 23-Oct-2013 06:53:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	92	229721	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	905288	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	536247	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	941498	40.0	
* 5 Chrysene-d12	240	13.421	13.427	-0.006	78	1059268	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	98	992277	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	889877	104.5	
24 N-Nitrosomethylethylamine	88	2.974	2.980	-0.006	93	379000	101.1	
25 Acrylamide	71	3.227	3.227	0.0	69	339793	108.6	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	96	376415	101.9	
53 N-Nitrosopyrrolidine	100	4.996	4.996	0.0	89	442870	102.2	
55 N-Nitrosomorpholine	116	5.031	5.031	0.0	94	167476	101.0	
57 2-Toluidine	106	5.048	5.048	0.0	86	1254977	101.3	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	84	419940	105.3	
73 alpha,alpha-Dimethyl phenethylam	58	5.677	5.707	-0.030	97	2237738	102.4	
84 Quinoline	129	6.229	6.229	0.0	96	1520630	99.3	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	93	530987	104.2	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	1173448	119.6	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	95	247951	105.2	
124 1-Naphthylamine	143	7.933	7.939	-0.006	99	1695257	102.3	
129 2-Naphthylamine	143	8.016	8.016	0.0	96	1765964	102.5	
137 N-Nitro-o-toluidine	152	8.209	8.210	-0.001	96	527398	102.7	
142 Diphenylamine	169	8.298	8.298	0.0	89	1526957	102.8	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	68	161866	95.4	
153 Phenacetin	108	8.597	8.597	0.0	94	873069	104.3	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	86	2027996	102.5	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	84	190283	100.3	
165 Pronamide	173	8.967	8.967	0.0	88	742442	101.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
175 4-Nitroquinoline-1-oxide	190	10.048	10.049	-0.001	90	75488	51.1	
186 p-Dimethylamino azobenzene	120	11.423	11.423	0.0	95	773746	102.6	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	1990332	122.4	
194 2-Acetylaminofluorene	181	12.669	12.669	0.0	94	1155085	105.0	
196 4,4'-Methylene bis(2-chloroanili	231	13.380	13.380	0.0	92	505918	107.7	
211 Dibenz[a,h]acridine	279	20.090	20.090	0.0	77	2308994	109.8	

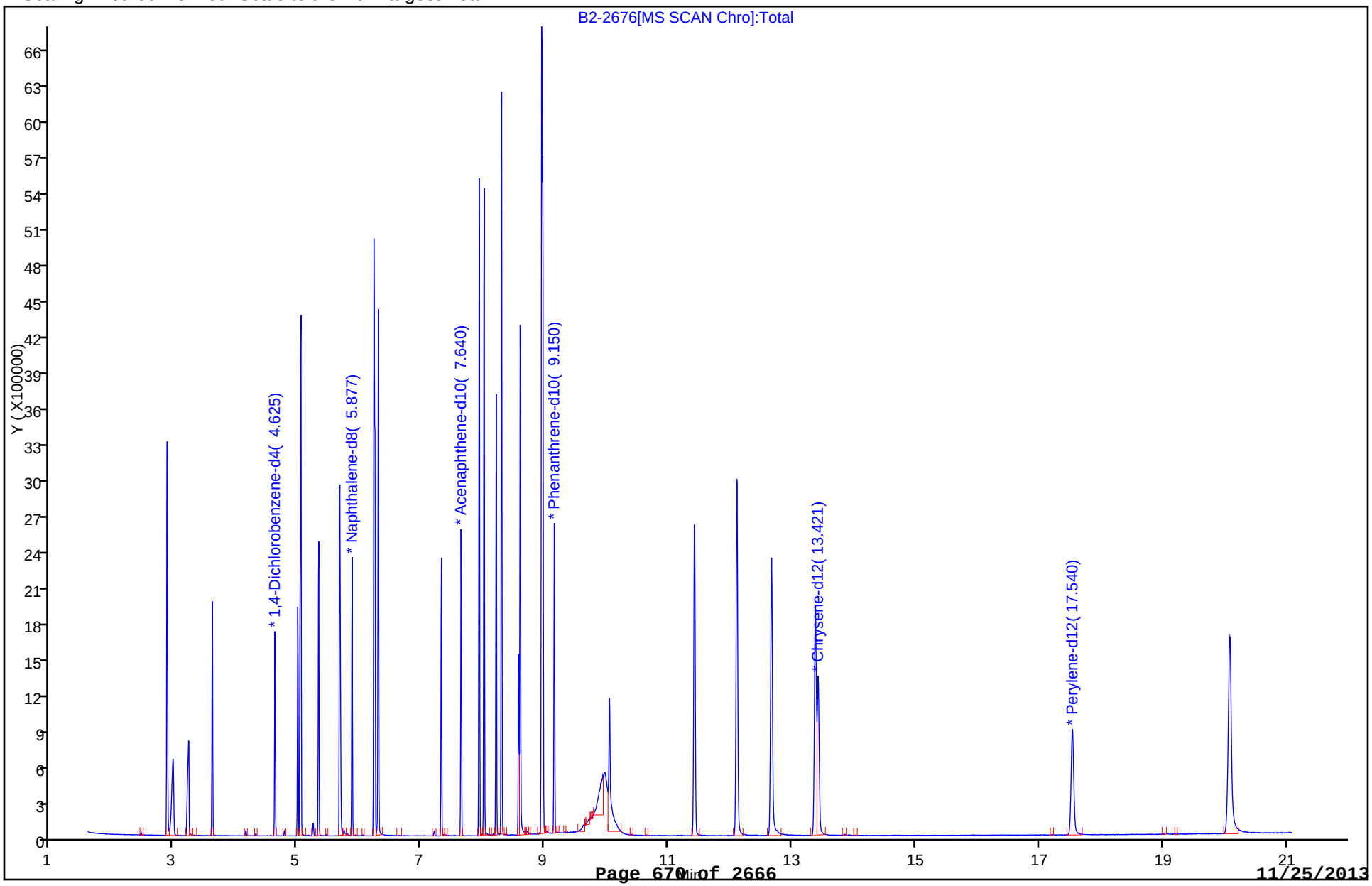
Report Date: 23-Oct-2013 06:54:47 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2676.D

Injection Date:	22-Oct-2013 17:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	24
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197309/32 Calibration Date: 10/22/2013 21:23

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 18:21

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 20:57

Lab File ID: B2-2684.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.114	1.123		101	100	0.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2684.D
Lims ID: ICV BZHD Client ID:
Inject. Date: 22-Oct-2013 21:23:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV BZHD
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 31
Lims Batch ID: 197309 Lims Sample ID: 32
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:51 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 22:01:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.629	4.627	0.002	94	189314	40.0	
* 2 Naphthalene-d8	136	5.874	5.878	-0.004	99	737493	40.0	
* 3 Acenaphthene-d10	164	7.643	7.641	0.002	100	439596	40.0	
* 4 Phenanthrene-d10	188	9.147	9.151	-0.004	99	752160	40.0	
* 5 Chrysene-d12	240	13.424	13.422	0.002	64	793325	40.0	
* 6 Perylene-d12	264	17.543	17.541	0.002	95	763065	40.0	
31 Benzaldehyde	106	4.218	4.221	-0.003	89	531585	100.9	

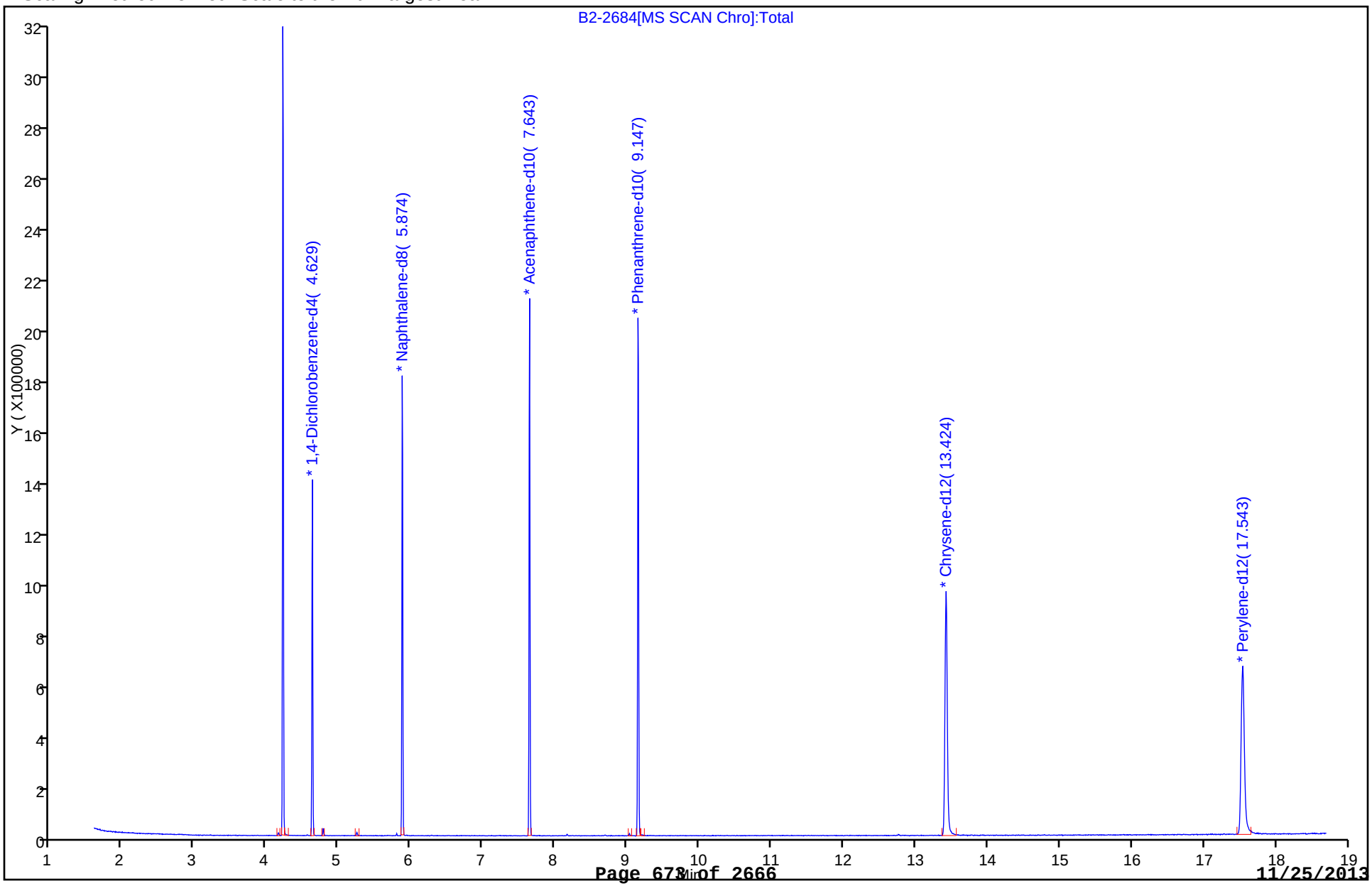
Report Date: 23-Oct-2013 06:54:52 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2684.D

Injection Date:	22-Oct-2013 21:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/3 Calibration Date: 10/31/2013 11:26

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2864.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5955	0.5884		79.1	80.0	-1.2	20.0
N-Nitrosodimethylamine	Ave	0.9348	0.8925		76.4	80.0	-4.5	20.0
Pyridine	Ave	1.647	1.607		78.1	80.0	-2.4	20.0
Phenol	Ave	1.879	1.847		78.7	80.0	-1.7	20.0
Aniline	Ave	2.327	2.295		78.9	80.0	-1.4	20.0
Bis(2-chloroethyl)ether	Ave	1.417	1.394		78.7	80.0	-1.7	20.0
2-Chlorophenol	Ave	1.491	1.477		79.3	80.0	-0.9	20.0
1,3-Dichlorobenzene	Ave	1.586	1.604		80.9	80.0	1.1	20.0
1,4-Dichlorobenzene	Ave	1.633	1.622		79.5	80.0	-0.7	20.0
Benzyl alcohol	Ave	0.9507	0.9409		79.2	80.0	-1.0	20.0
1,2-Dichlorobenzene	Ave	1.540	1.577		81.9	80.0	2.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.981	1.867		0.00100	80.0	-5.8	20.0
2-Methylphenol	Ave	1.349	1.373		81.4	80.0	1.8	20.0
N-Nitrosodi-n-propylamine	Ave	1.045	1.026	0.0500	78.6	80.0	-1.8	20.0
3 & 4 Methylphenol	Ave	1.423	1.440		80.9	80.0	1.2	20.0
4-Methylphenol	Ave	1.423	1.440		80.9	80.0	1.2	20.0
Acetophenone	Ave	1.975	1.995		80.8	80.0	1.0	20.0
Hexachloroethane	Ave	0.5895	0.5986		81.2	80.0	1.6	20.0
Nitrobenzene	Ave	0.3865	0.3726		77.1	80.0	-3.6	20.0
Isophorone	Ave	0.6796	0.6551		77.1	80.0	-3.6	20.0
2-Nitrophenol	Ave	0.1912	0.1914		80.1	80.0	0.1	20.0
2,4-Dimethylphenol	Ave	0.3555	0.3529		79.4	80.0	-0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.4236	0.4143		78.2	80.0	-2.2	20.0
Benzoic acid	Lin2		0.2219		153	160	-4.7	20.0
2,4-Dichlorophenol	Ave	0.2988	0.3026		81.0	80.0	1.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3294	0.3267		79.4	80.0	-0.8	20.0
Naphthalene	Ave	1.043	1.048		80.4	80.0	0.6	20.0
4-Chloroaniline	Ave	0.4746	0.4741		79.9	80.0	-0.1	20.0
Hexachlorobutadiene	Ave	0.1724	0.1716		79.6	80.0	-0.5	20.0
Caprolactam	Ave	0.2033	0.1944		76.5	80.0	-4.4	20.0
4-Chloro-3-methylphenol	Ave	0.3055	0.3111		81.4	80.0	1.8	20.0
2-Methylnaphthalene	Ave	0.7174	0.7302		81.4	80.0	1.8	20.0
1-Methylnaphthalene	Ave	0.6759	0.6918		81.9	80.0	2.4	20.0
Hexachlorocyclopentadiene	Lin1		0.2499	0.0500	74.1	80.0	-7.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3169	0.3233		81.6	80.0	2.0	20.0
2,4,6-Trichlorophenol	Ave	0.3437	0.3516		81.8	80.0	2.3	20.0
2,4,5-Trichlorophenol	Ave	0.3713	0.3798		81.8	80.0	2.3	20.0
1,1'-Biphenyl	Ave	1.468	1.475		80.4	80.0	0.5	20.0
2-Chloronaphthalene	Ave	1.154	1.160		80.4	80.0	0.5	20.0
2-Nitroaniline	Ave	0.3982	0.3928		78.9	80.0	-1.4	20.0
Dimethyl phthalate	Ave	1.269	1.279		80.7	80.0	0.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/3 Calibration Date: 10/31/2013 11:26

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2864.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.3034	0.3143		82.9	80.0	3.6	20.0
Acenaphthylene	Ave	1.856	1.881		81.1	80.0	1.3	20.0
3-Nitroaniline	Ave	0.3693	0.3765		81.6	80.0	1.9	20.0
Acenaphthene	Ave	1.199	1.192		79.5	80.0	-0.6	20.0
2,4-Dinitrophenol	Lin1		0.1437	0.0500	142	160	-11.2	20.0
4-Nitrophenol	Ave	0.1728	0.1846	0.0500	171	160	6.8	20.0
2,4-Dinitrotoluene	Ave	0.3969	0.4223		85.1	80.0	6.4	20.0
Dibenzofuran	Ave	1.642	1.649		80.4	80.0	0.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2884	0.3065		85.0	80.0	6.3	20.0
Diethyl phthalate	Ave	1.267	1.294		81.7	80.0	2.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6103	0.6139		80.5	80.0	0.6	20.0
Fluorene	Ave	1.371	1.395		81.4	80.0	1.8	20.0
4-Nitroaniline	Ave	0.3658	0.3783		82.7	80.0	3.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1335		158	160	-1.4	20.0
N-Nitrosodiphenylamine	Ave	0.5819	0.5992		82.4	80.0	3.0	20.0
1,2-Diphenylhydrazine	Ave	1.362	1.369		81.3	80.9	0.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2164	0.2209		81.7	80.0	2.1	20.0
Hexachlorobenzene	Ave	0.2559	0.2639		82.5	80.0	3.1	20.0
Atrazine	Ave	0.1829	0.1804		78.9	80.0	-1.4	20.0
Pentachlorophenol	Lin2		0.1334		158	160	-1.4	20.0
Phenanthrene	Ave	1.135	1.179		83.1	80.0	3.8	20.0
Anthracene	Ave	1.167	1.214		83.2	80.0	4.0	20.0
Carbazole	Ave	1.136	1.172		82.5	80.0	3.1	20.0
Di-n-butyl phthalate	Ave	1.245	1.301		83.6	80.0	4.5	20.0
Fluoranthene	Ave	1.233	1.264		82.0	80.0	2.6	20.0
Benzidine	Ave	0.6276	0.5808		74.0	80.0	-7.5	20.0
Pyrene	Ave	1.144	1.183		82.7	80.0	3.4	20.0
Famphur	Ave	0.3542	0.3376		76.2	80.0	-4.7	20.0
Butyl benzyl phthalate	Ave	0.4972	0.5120		82.4	80.0	3.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4119	0.4132		80.2	80.0	0.3	20.0
Benzo[a]anthracene	Ave	1.087	1.097		80.7	80.0	0.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6639	0.6739		81.2	80.0	1.5	20.0
Chrysene	Ave	1.033	1.057		81.8	80.0	2.3	20.0
Di-n-octyl phthalate	Lin2		0.9838		70.4	80.0	-12.0	20.0
Benzo[b]fluoranthene	Ave	1.107	1.170		84.6	80.0	5.7	20.0
Benzo[k]fluoranthene	Ave	1.172	1.264		86.3	80.0	7.8	20.0
Benzo[a]pyrene	Ave	1.107	1.178		85.1	80.0	6.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9718	0.9103		74.9	80.0	-6.3	20.0
Dibenz(a,h)anthracene	Ave	1.040	1.070		82.3	80.0	2.9	20.0
Benzo[g,h,i]perylene	Ave	1.103	1.127		81.7	80.0	2.2	20.0
2-Fluorophenol (Surr)	Ave	1.405	1.380		78.6	80.0	-1.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/3 Calibration Date: 10/31/2013 11:26

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2864.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenol-d5 (Surr)	Ave	1.820	1.810		79.6	80.0	-0.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3895	0.3797		78.0	80.0	-2.5	20.0
2-Fluorobiphenyl	Ave	1.318	1.319		80.0	80.0	0.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1882	0.2007		85.3	80.0	6.7	20.0
Terphenyl-d14 (Surr)	Ave	0.7946	0.8238		82.9	80.0	3.7	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2864.D
Lims ID: CCV HSL Client ID:
Inject. Date: 31-Oct-2013 11:26:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 198682 Lims Sample ID: 3
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:04 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 31-Oct-2013 11:52:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.608	4.608	0.0	92	205853	40.0	
* 2 Naphthalene-d8	136	5.859	5.859	0.0	99	847486	40.0	
* 3 Acenaphthene-d10	164	7.628	7.628	0.0	98	504539	40.0	
* 4 Phenanthrene-d10	188	9.132	9.132	0.0	99	850717	40.0	
* 5 Chrysene-d12	240	13.398	13.398	0.0	91	956985	40.0	
* 6 Perylene-d12	264	17.499	17.499	0.0	99	867542	40.0	
$ 7 2-Fluorophenol	112	3.404	3.404	0.0	97	568113	78.6	
$ 8 Phenol-d5	99	4.261	4.261	0.0	99	745141	79.6	
$ 9 Nitrobenzene-d5	82	5.149	5.149	0.0	95	643654	78.0	
$ 11 2-Fluorobiphenyl	172	6.923	6.923	0.0	99	1330604	80.0	
$ 12 2,4,6-Tribromophenol	330	8.433	8.433	0.0	98	202535	85.3	
$ 13 Terphenyl-d14	244	11.142	11.142	0.0	99	1576715	82.9	
19 1,4-Dioxane	88	1.899	1.899	0.0	96	242241	79.1	
20 N-Nitrosodimethylamine	74	2.176	2.176	0.0	99	367437	76.4	
21 Pyridine	79	2.217	2.217	0.0	99	661576	78.1	
32 Phenol	94	4.279	4.279	0.0	92	760565	78.7	
34 Aniline	93	4.302	4.302	0.0	99	944853	78.9	
35 Alpha Methyl Styrene	118	4.326	4.326	0.0	87	591610	79.4	
36 Bis(2-chloroethyl)ether	93	4.338	4.338	0.0	89	573743	78.7	
38 n-Decane	43	4.396	4.396	0.0	97	566539	75.2	
39 2-Chlorophenol	128	4.420	4.420	0.0	95	608092	79.3	
40 1,3-Dichlorobenzene	146	4.555	4.555	0.0	98	660170	80.9	
42 1,4-Dichlorobenzene	146	4.626	4.626	0.0	97	667971	79.5	
43 Benzyl alcohol	108	4.737	4.737	0.0	99	387363	79.2	
44 1,2-Dichlorobenzene	146	4.778	4.778	0.0	99	649281	81.9	
45 2-Methylphenol	108	4.843	4.843	0.0	98	565242	81.4	
46 2,2'-oxybis[1-chloropropane]	45	4.843	4.843	0.0	85	768550	75.4	
47 Indene	116	4.861	4.861	0.0	92	1004530	81.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	4.990	4.990	0.0	81	592848	80.9	
50 3-Methylphenol	108	4.990	4.990	0.0	66	592848	80.9	
51 4-Methylphenol	108	4.990	4.990	0.0	72	592848	80.9	
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	97	422576	78.6	
54 Acetophenone	105	4.990	4.990	0.0	94	821197	80.8	
58 Hexachloroethane	117	5.102	5.102	0.0	96	246463	81.2	
59 Nitrobenzene	77	5.172	5.172	0.0	98	631594	77.1	
63 Isophorone	82	5.384	5.384	0.0	100	1110420	77.1	
64 2-Nitrophenol	139	5.478	5.478	0.0	92	324480	80.1	
65 2,4-Dimethylphenol	107	5.507	5.507	0.0	99	598213	79.4	
68 Benzoic acid	105	5.619	5.619	0.0	98	752255	152.5	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	95	702193	78.2	
71 3,5-Dimethylphenol	107	5.636	5.636	0.0	98	639565	82.0	
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	97	512892	81.0	
76 1,2,4-Trichlorobenzene	180	5.795	5.795	0.0	94	553763	79.4	
79 Naphthalene	128	5.883	5.883	0.0	100	1777047	80.4	
80 4-Chloroaniline	127	5.936	5.936	0.0	100	803632	79.9	
83 Hexachlorobutadiene	225	5.977	5.977	0.0	96	290839	79.6	
86 Caprolactam	55	6.277	6.277	0.0	94	329479	76.5	
89 4-Chloro-3-methylphenol	107	6.418	6.418	0.0	98	527224	81.4	
93 2-Methylnaphthalene	142	6.565	6.565	0.0	96	1237716	81.4	
96 1-Methylnaphthalene	142	6.670	6.670	0.0	99	1172583	81.9	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	98	252180	74.1	
98 1,2,4,5-Tetrachlorobenzene	216	6.735	6.735	0.0	96	548029	81.6	
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	93	354780	81.8	
101 2,3-Dichlorobenzenamine	161	6.858	6.858	0.0	93	658188	79.9	
102 2,4,5-Trichlorophenol	196	6.911	6.911	0.0	98	383206	81.8	
104 1,1'-Biphenyl	154	7.029	7.029	0.0	96	1488021	80.4	
106 2-Chloronaphthalene	162	7.064	7.064	0.0	99	1170126	80.4	
108 2-Nitroaniline	65	7.176	7.176	0.0	96	396384	78.9	
111 Dimethyl phthalate	163	7.322	7.322	0.0	100	1290866	80.7	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	82	228971	85.5	
113 2,6-Dinitrotoluene	165	7.405	7.405	0.0	97	317166	82.9	
114 Acenaphthylene	152	7.487	7.487	0.0	100	1897625	81.1	
115 3-Nitroaniline	138	7.593	7.593	0.0	98	379888	81.6	
117 Acenaphthene	153	7.657	7.657	0.0	99	1202715	79.5	
118 2,4-Dinitrophenol	184	7.693	7.693	0.0	94	290028	142.1	
119 4-Nitrophenol	109	7.787	7.787	0.0	98	372517	170.9	
122 2,4-Dinitrotoluene	165	7.810	7.810	0.0	92	426125	85.1	
123 Dibenzofuran	168	7.834	7.834	0.0	100	1664265	80.4	
125 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	0.0	73	309284	85.0	
127 Hexadecane	57	7.986	7.986	0.0	97	883260	77.1	
130 Diethyl phthalate	149	8.022	8.022	0.0	100	1306149	81.7	
134 4-Chlorophenyl phenyl ether	204	8.157	8.157	0.0	98	619460	80.5	
135 Fluorene	166	8.180	8.180	0.0	100	1407912	81.4	
138 4-Nitroaniline	138	8.216	8.216	0.0	97	381754	82.7	
139 4,6-Dinitro-2-methylphenol	198	8.227	8.227	0.0	90	454345	157.7	
141 N-Nitrosodiphenylamine	169	8.280	8.280	0.0	98	1019493	82.4	
143 1,2-Diphenylhydrazine	77	8.321	8.321	0.0	97	1396889	81.3	
144 Azobenzene	77	8.321	8.321	0.0	97	1396889	80.4	
147 2,4,6 - Tribromophenol	330	8.433	8.433	0.0	98	203085	84.7	
156 4-Bromophenyl phenyl ether	248	8.656	8.656	0.0	99	375886	81.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.733	8.733	0.0	96	449000	82.5	
159 Atrazine	200	8.797	8.797	0.0	94	306878	78.9	
161 n-Octadecane	85	8.909	8.909	0.0	97	322990	81.8	
163 Pentachlorophenol	266	8.944	8.944	0.0	99	453838	157.7	
168 Phenanthrene	178	9.161	9.161	0.0	100	2005624	83.1	
169 Anthracene	178	9.208	9.208	0.0	100	2065316	83.2	
170 Carbazole	167	9.379	9.379	0.0	100	1994208	82.5	
171 Alachlor	188	9.461	9.461	0.0	96	249720	83.7	
173 Di-n-butyl phthalate	149	9.673	9.673	0.0	100	2214173	83.6	
179 Fluoranthene	202	10.577	10.577	0.0	100	2151067	82.0	
181 Benzidine	184	10.777	10.777	0.0	73	1111608	74.0	
182 Pyrene	202	10.936	10.936	0.0	99	2263870	82.7	
188 Famphur	218	11.952	11.952	0.0	97	646099	76.2	
190 Butyl benzyl phthalate	149	12.052	12.052	0.0	98	979881	82.4	
195 Bis(2-ethylhexyl) phthalate	149	13.380	13.380	0.0	96	1289826	81.2	
197 3,3'-Dichlorobenzidine	252	13.345	13.345	0.0	98	790822	80.2	
198 Benzo[a]anthracene	228	13.368	13.368	0.0	99	2099271	80.7	
199 Chrysene	228	13.462	13.462	0.0	99	2022414	81.8	
201 Di-n-octyl phthalate	149	15.243	15.243	0.0	99	1882899	70.4	
203 Benzo[b]fluoranthene	252	16.353	16.353	0.0	96	2030532	84.6	
204 Benzo[k]fluoranthene	252	16.429	16.429	0.0	96	2192707	86.3	
206 Benzo[e]pyrene	252	17.176	17.176	0.0	98	1768177	83.8	
207 Benzo[a]pyrene	252	17.328	17.328	0.0	99	2044007	85.1	
213 Dibenz(a,h)anthracene	278	20.771	20.771	0.0	75	1855775	82.3	
214 Indeno[1,2,3-cd]pyrene	276	20.689	20.689	0.0	71	1742363	74.9	M
215 Benzo[g,h,i]perylene	276	21.459	21.459	0.0	96	1955379	81.7	
S 217 Total Cresols	108				0		162.3	
S 218 Methyl Phenols,Total	108				0		162.3	

QC Flag Legend

Review Flags
M - Manually Integrated

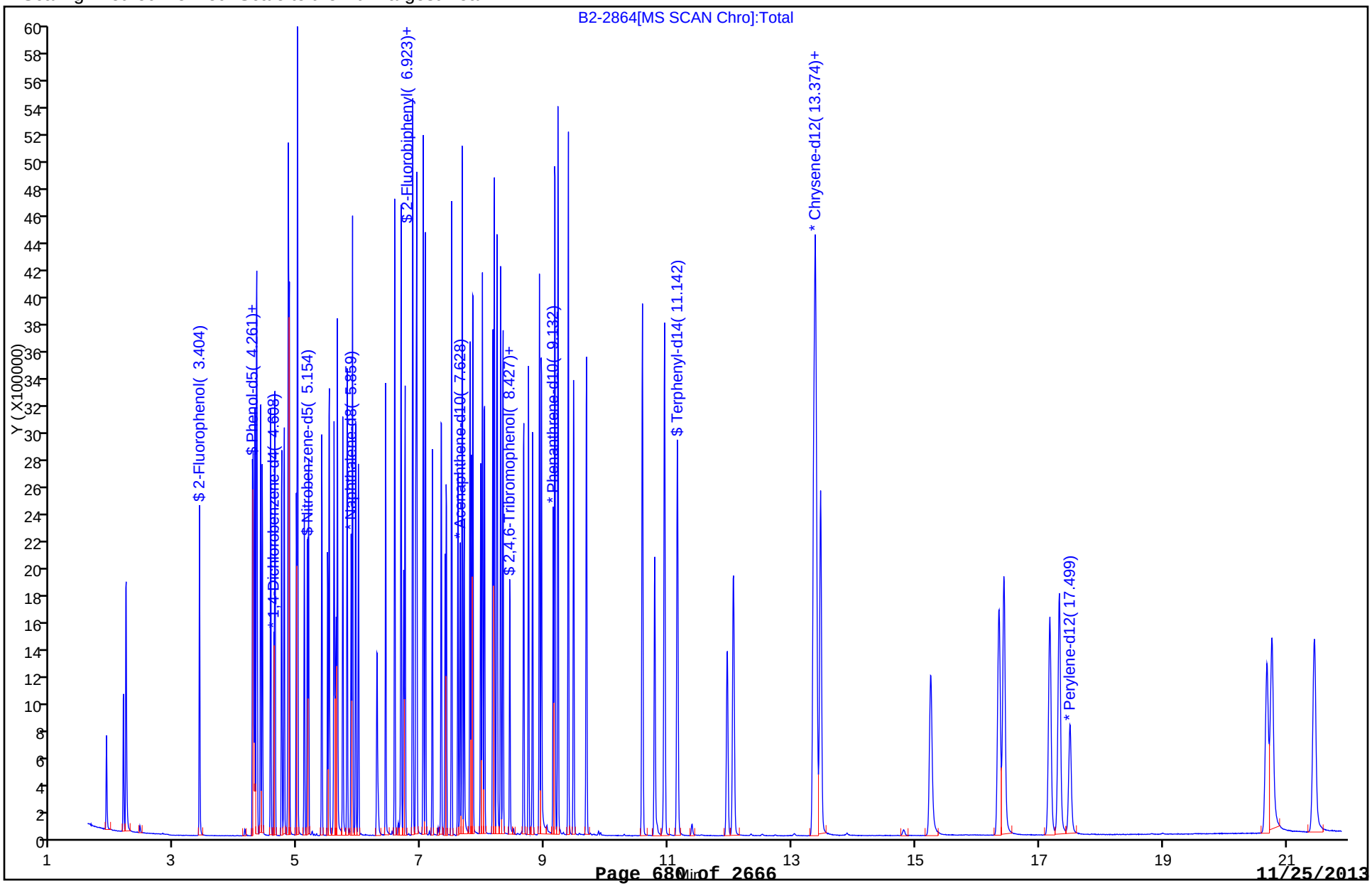
Report Date: 01-Nov-2013 09:55:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2864.D

Injection Date:	31-Oct-2013 11:26:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

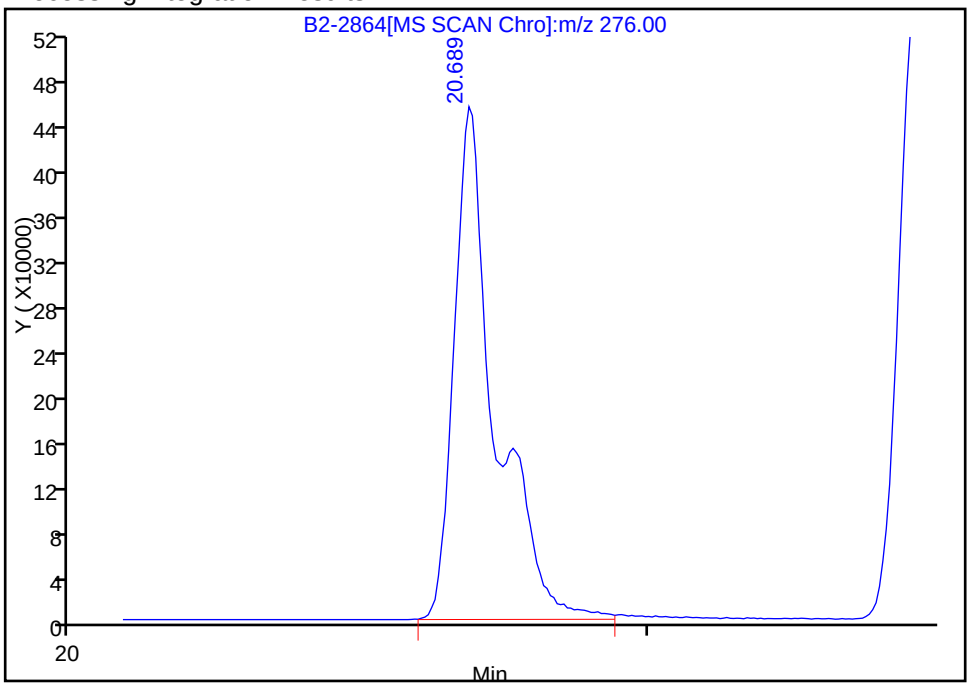
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2864.D		
Injection Date:	31-Oct-2013 11:26:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

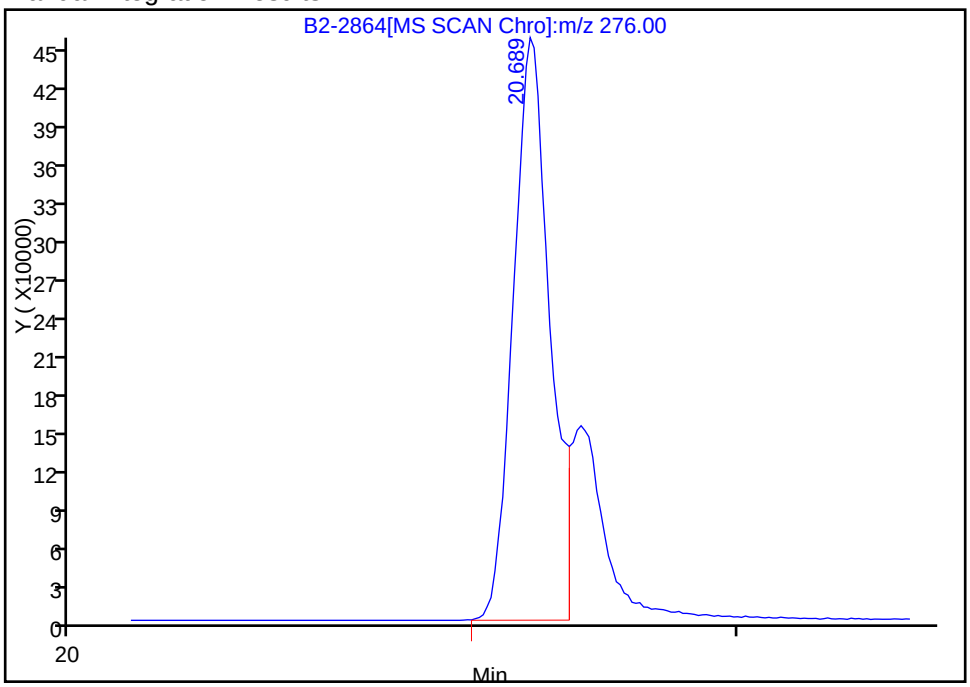
Processing Integration Results

RT: 20.69
Response: 2249343
Amount: 96.744626



Manual Integration Results

RT: 20.69
Response: 1742363
Amount: 74.939330



Reviewer: kiekeld, 31-Oct-2013 11:52:03
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/28 Calibration Date: 10/31/2013 11:56

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 13:34

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 16:27

Lab File ID: B2-2865.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiethylamine	Ave	0.6430	0.6541		81.4	80.0	1.7	20.0
Ethyl methanesulfonate	Ave	1.067	1.090		81.7	80.0	2.1	50.0
Pentachloroethane	Ave	0.4568	0.4632		81.1	80.0	1.4	20.0
N-Nitrosopyrrolidine	Ave	0.7548	0.7736		82.0	80.0	2.5	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1539	0.1544		80.3	80.0	0.3	20.0
2,6-Dichlorophenol	Ave	0.2570	0.2820		87.8	80.0	9.7	20.0
N-Nitrosodi-n-butylamine	Ave	0.2252	0.2334		82.9	80.0	3.6	20.0
Pentachlorobenzene	Ave	0.4778	0.4838		81.0	80.0	1.3	20.0
Thionazin	Ave	0.2759	0.2957		85.7	80.0	7.2	20.0
Sulfotepp	Ave	0.1166	0.1232		84.5	80.0	5.6	20.0
Diallate Peak 1	Ave	0.2863	0.3004		74.0	70.6	4.9	50.0
Phorate	Ave	0.1299	0.1362		83.8	80.0	4.8	20.0
Dimethoate	Ave	0.2579	0.2675		83.0	80.0	3.7	20.0
Pentachloronitrobenzene	Ave	0.0806	0.0852		84.5	80.0	5.6	50.0
Disulfoton	Ave	0.3397	0.3565		84.0	80.0	4.9	20.0
Methyl parathion	Ave	0.2143	0.2278		85.0	80.0	6.3	20.0
Ethyl Parathion	Ave	0.1397	0.1502		86.0	80.0	7.5	20.0
p-Dimethylamino azobenzene	Ave	0.2849	0.3070		86.2	80.0	7.7	50.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5297	0.5716		86.3	80.0	7.9	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2865.D
Lims ID: CCV AP9 Client ID:
Inject. Date: 31-Oct-2013 11:56:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 3
Lims Batch ID: 198682 Lims Sample ID: 28
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:06 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 31-Oct-2013 12:27:03

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.607	4.607	0.0	92	231446	40.0	
*	2 Naphthalene-d8	136	5.858	5.858	0.0	98	928969	40.0	
*	3 Acenaphthene-d10	164	7.621	7.621	0.0	99	540652	40.0	
*	4 Phenanthrene-d10	188	9.131	9.131	0.0	98	951690	40.0	
*	5 Chrysene-d12	240	13.391	13.391	0.0	75	1032231	40.0	
*	6 Perylene-d12	264	17.498	17.498	0.0	97	926419	40.0	
	23 2-Picoline	93	2.862	2.862	0.0	95	691482	80.6	
	24 N-Nitrosomethylethylamine	88	2.962	2.962	0.0	92	304361	80.6	
	25 Acrylamide	71	3.214	3.214	0.0	67	267597	84.9	
	26 Methyl methanesulfonate	80	3.238	3.238	0.0	88	386881	80.8	
	27 N-Nitrosodiethylamine	102	3.596	3.596	0.0	94	302781	81.4	
	29 Ethyl methanesulfonate	79	3.867	3.867	0.0	97	504371	81.7	
	37 Pentachloroethane	117	4.348	4.348	0.0	85	214407	81.1	
	53 N-Nitrosopyrrolidine	100	4.983	4.983	0.0	89	358087	82.0	
	55 N-Nitrosomorpholine	116	5.018	5.018	0.0	94	136226	81.5	
	57 2-Toluidine	106	5.030	5.030	0.0	86	1020189	81.7	
	61 N-Nitrosopiperidine	114	5.318	5.318	0.0	83	334123	81.6	
	67 o,o',o''-Triethylphosphorothioat	198	5.535	5.535	0.0	88	286924	80.3	
	73 alpha,alpha-Dimethyl phenethylam	58	5.688	5.688	0.0	97	1697976	75.7	
	81 2,6-Dichlorophenol	162	5.941	5.941	0.0	95	523871	87.8	
	82 Hexachloropropene	213	5.958	5.958	0.0	86	352011	81.4	
	84 Quinoline	129	6.217	6.217	0.0	96	1267528	82.2	
	85 N-Nitrosodi-n-butylamine	84	6.229	6.229	0.0	92	433648	82.9	
	87 p-Phenylene diamine	108	6.287	6.287	0.0	96	817348	81.2	
	90 Safrole, Total	162	6.458	6.458	0.0	88	506404	81.9	
	99 Isosafrole Peak 1	162	6.757	6.757	0.0	92	79894	14.3	
	103 Isosafrole Peak 2	104	6.981	6.981	0.0	92	113369	70.1	
	107 1-Chloronaphthalene	162	7.086	7.086	0.0	97	1178414	82.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.245	7.245	0.0	84	329883	88.6	
110 1,4-Dinitrobenzene	168	7.304	7.304	0.0	94	206526	86.9	
121 Pentachlorobenzene	250	7.786	7.786	0.0	98	523121	81.0	
124 1-Naphthylamine	143	7.921	7.921	0.0	99	1403384	84.0	
129 2-Naphthylamine	143	7.997	7.997	0.0	95	1446081	83.2	
133 Thionazin	97	8.103	8.103	0.0	80	319720	85.7	
137 N-Nitro-o-toluidine	152	8.197	8.197	0.0	97	437157	84.5	
142 Diphenylamine	169	8.279	8.279	0.0	94	1271785	84.9	
146 Sulfotepp	97	8.391	8.391	0.0	82	234397	84.5	
150 Diallate Peak 1	86	8.538	8.538	0.0	96	504275	74.0	
151 1,3,5-Trinitrobenzene	213	8.561	8.561	0.0	71	132666	78.6	
152 Phorate	121	8.555	8.555	0.0	94	259161	83.8	
153 Phenacetin	108	8.585	8.585	0.0	92	706541	83.5	
155 Diallate Peak 2	86	8.637	8.637	0.0	97	73212	10.1	
158 Dimethoate	87	8.755	8.755	0.0	93	509092	83.0	
162 4-Aminobiphenyl	169	8.931	8.931	0.0	84	1641589	82.1	
164 Pentachloronitrobenzene	237	8.937	8.937	0.0	85	162094	84.5	
165 Pronamide	173	8.949	8.949	0.0	88	621084	84.1	
166 Disulfoton	88	9.078	9.078	0.0	96	678607	84.0	
167 Dinoseb	211	9.090	9.090	0.0	94	280309	77.7	
172 Methyl parathion	109	9.484	9.484	0.0	94	433573	85.0	
174 Ethyl Parathion	109	9.907	9.907	0.0	84	285939	86.0	
175 4-Nitroquinoline-1-oxide	190	10.030	10.030	0.0	87	102475	67.1	M
176 Methapyrilene	97	10.048	10.048	0.0	95	575843	73.2	
178 Isodrin	193	10.341	10.341	0.0	92	227186	82.0	
183 Aramite Peak 1	185	11.052	11.052	0.0	96	64558	36.7	
185 Aramite Peak 2	185	11.187	11.187	0.0	92	77186	45.3	
186 p-Dimethylamino azobenzene	120	11.393	11.393	0.0	96	633685	86.2	
187 Chlorobenzilate	251	11.452	11.452	0.0	90	609297	83.5	
191 3,3'-Dimethylbenzidine	212	12.080	12.080	0.0	96	1230701	77.6	
194 2-Acetylaminofluorene	181	12.639	12.639	0.0	95	880690	82.2	
196 4,4'-Methylene bis(2-chloroanili	231	13.344	13.344	0.0	88	370507	81.0	
200 6-Methylchrysene	242	14.660	14.660	0.0	99	1612879	83.2	
202 7,12-Dimethylbenz(a)anthracene	256	16.334	16.334	0.0	81	1059061	86.3	
209 3-Methylcholanthrene	268	18.391	18.391	0.0	72	1124182	86.3	
211 Dibenz[a,h]acridine	279	20.036	20.036	0.0	88	1642715	83.7	
212 Dibenz[a,j]acridine	279	20.195	20.195	0.0	100	1747417	87.2	
S 219 Isosafrole	162				0		84.4	
S 220 Diallate	86				0		84.1	
S 221 Aramite, Total	185				0		82.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Nov-2013 09:55:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2865.D

Injection Date:	31-Oct-2013 11:56:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	28
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/29 Calibration Date: 10/31/2013 12:24

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 18:21

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 20:57

Lab File ID: B2-2866.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.114	0.9372		84.2	100	-15.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2866.D		
Lims ID:	CCV BZHD	Client ID:	
Inject. Date:	31-Oct-2013 12:24:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	4
Lims Batch ID:	198682	Lims Sample ID:	29
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	01-Nov-2013 09:55:07	Calib Date:	31-Oct-2013 13:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK002		
First Level Reviewer: kiekeld		Date:	31-Oct-2013 13:15:49

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.608	4.608	0.0	92	183786	40.0	
*	2 Naphthalene-d8	136	5.859	5.859	0.0	99	742108	40.0	
*	3 Acenaphthene-d10	164	7.622	7.622	0.0	99	434888	40.0	
*	4 Phenanthrene-d10	188	9.132	9.132	0.0	99	774417	40.0	
*	5 Chrysene-d12	240	13.392	13.392	0.0	70	820758	40.0	
*	6 Perylene-d12	264	17.493	17.493	0.0	97	765077	40.0	
	31 Benzaldehyde	106	4.203	4.203	0.0	89	430591	84.2	

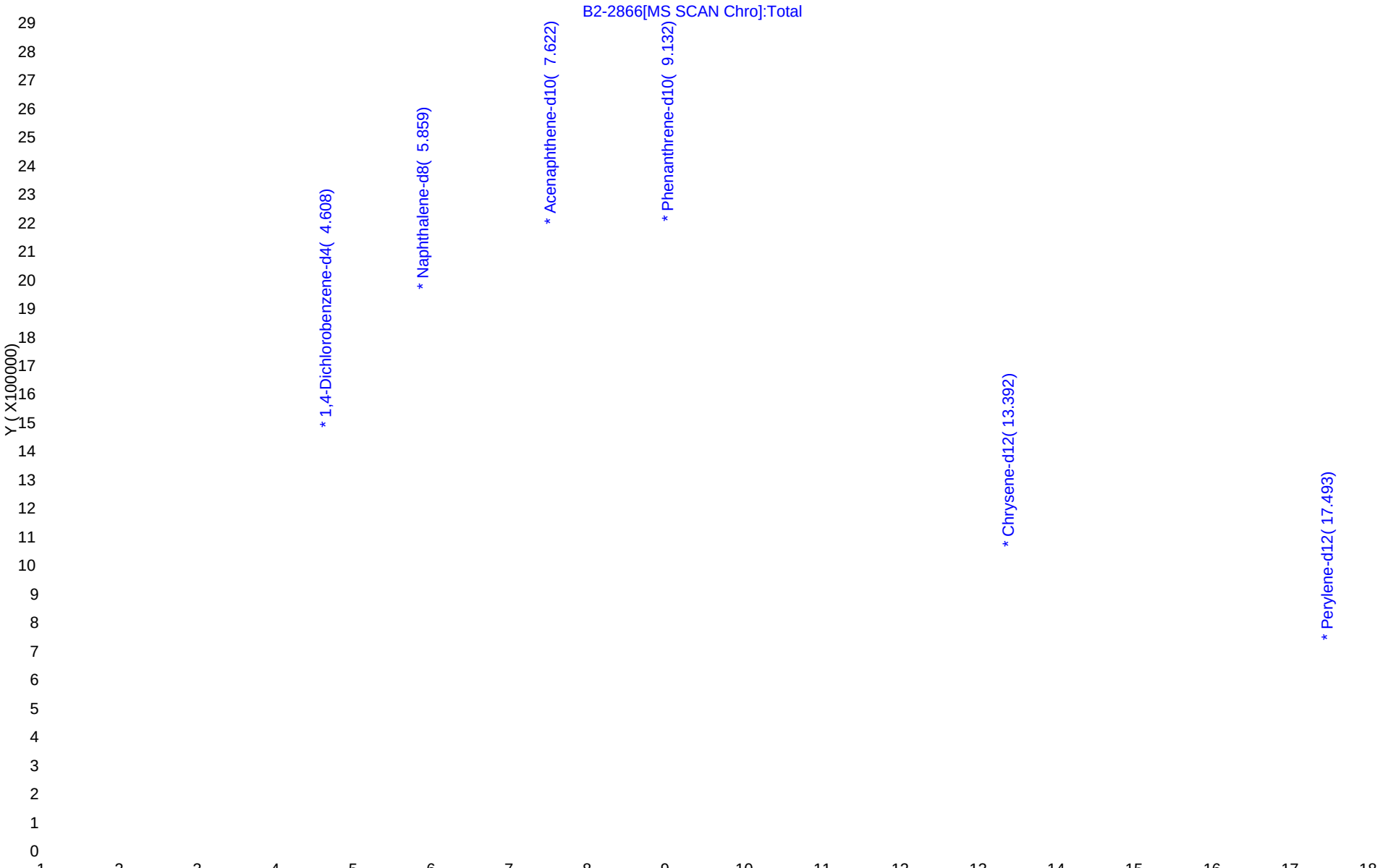
Report Date: 01-Nov-2013 09:55:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2866.D

Injection Date:	31-Oct-2013 12:24:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	22-Oct-2013 07:38:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	1
Lims Batch ID:	197081	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	22-Oct-2013 13:24:18	Calib Date:	22-Oct-2013 11:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kiekeld		Date:	22-Oct-2013 07:46:38

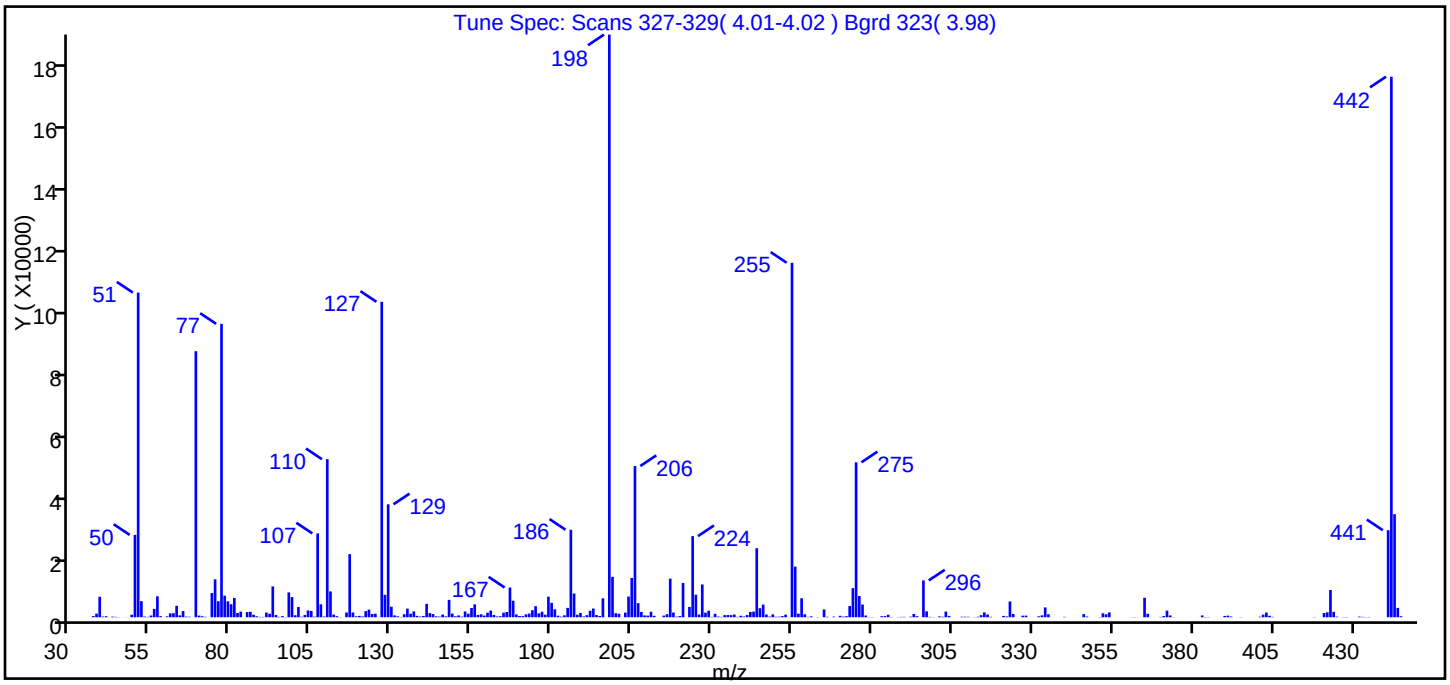
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.773	3.773	0.0	88	179927	0	
30 DFTPP								
48 Benzidine_T	184	4.883	4.883	0.0	99	1561084	0	
56 4,4'-DDE	246	4.995	4.995	0.0	3	745	0	
62 4,4'-DDD	235	5.283	5.283	0.0	65	6866	0	
70 4,4'-DDT	235	5.512	5.512	0.0	98	621663	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D		
Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.72
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	45.66
70	Less than 2.00% of mass 69	0.29 (0.63)
127	40.00 - 60.00% of mass 198	54.14
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	26.59
365	Greater than 1.00% of mass 198	3.35
441	Present, but less than mass 443%	14.94 (84.43)
442	Greater than 40.00% of mass 198	92.78
443	17.00 - 23.00% of mass 442	17.69 (19.07)

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 07:38:30
Spectrum: Tune Spec: Scans 327-329(4.01-4.02) Bgrd 323(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	382	121.00	259	201.00	1140	292.00	192
38.00	1169	122.00	1987	203.00	1506	293.00	1054
39.00	6642	123.00	2481	204.00	6714	294.00	358
40.00	228	124.00	1049	205.00	12729	296.00	11921
41.00	339	125.00	1153	206.00	48976	297.00	1909
42.00	34	127.00	102176	207.00	4569	298.00	137
43.00	203	128.00	7269	208.00	1730	299.00	52
44.00	128	129.00	36592	209.00	600	301.00	287
45.00	63	130.00	3407	210.00	537	302.00	164
47.00	25	131.00	603	211.00	1788	303.00	1851
48.00	32	132.00	313	212.00	471	304.00	434
49.00	802	133.00	80	215.00	546	308.00	166
50.00	26680	134.00	975	216.00	984	309.00	174
51.00	105168	135.00	2801	217.00	12502	310.00	148
52.00	5215	136.00	1143	218.00	1530	312.00	62
53.00	225	137.00	1911	219.00	202	313.00	165
54.00	111	138.00	447	220.00	395	314.00	686
55.00	559	139.00	229	221.00	11104	315.00	1570
56.00	2707	140.00	409	223.00	3342	316.00	912
57.00	6790	141.00	4336	224.00	26280	317.00	147
58.00	366	142.00	1343	225.00	7296	321.00	448
60.00	285	143.00	1031	226.00	861	322.00	272
61.00	1254	144.00	304	227.00	10617	323.00	5125
62.00	1309	145.00	228	228.00	1483	324.00	1084
63.00	3711	146.00	874	229.00	2128	327.00	509
64.00	611	147.00	301	230.00	120	328.00	532
65.00	2000	148.00	5645	231.00	1120	332.00	326
66.00	201	149.00	1194	232.00	221	333.00	620
67.00	173	150.00	322	233.00	121	334.00	3182
69.00	86184	151.00	594	234.00	688	335.00	961
70.00	540	152.00	213	235.00	718	340.00	131
71.00	325	153.00	1873	236.00	678	346.00	1008
72.00	137	154.00	1130	237.00	880	347.00	246

Report Date: 22-Oct-2013 13:24:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 07:38:30
Spectrum: Tune Spec: Scans 327-329(4.01-4.02) Bgrd 323(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	7831	155.00	2998	238.00	129	351.00	76
75.00	12282	156.00	4174	239.00	481	352.00	1285
76.00	5182	157.00	757	240.00	254	353.00	964
77.00	95032	158.00	974	241.00	707	354.00	1571
78.00	6990	159.00	544	242.00	1715	361.00	66
79.00	5156	160.00	1494	243.00	1831	362.00	52
80.00	4221	161.00	2161	244.00	22368	365.00	6323
81.00	6263	162.00	723	245.00	2933	366.00	1125
82.00	1394	163.00	265	246.00	4100	370.00	106
83.00	1825	164.00	327	247.00	886	371.00	400
85.00	1671	165.00	1480	248.00	227	372.00	2147
86.00	1756	166.00	1708	249.00	924	373.00	582
87.00	827	167.00	9630	250.00	172	374.00	50
88.00	324	168.00	5360	251.00	191	383.00	589
89.00	122	169.00	918	252.00	375	384.00	80
90.00	109	170.00	411	253.00	834	385.00	80
91.00	1522	171.00	370	255.00	114832	390.00	433
92.00	1122	172.00	942	256.00	16392	391.00	517
93.00	9999	173.00	1199	257.00	1155	392.00	239
94.00	714	174.00	2282	258.00	6167	395.00	68
95.00	134	175.00	3587	259.00	958	401.00	180
96.00	376	176.00	1263	260.00	126	402.00	831
97.00	64	177.00	1793	261.00	288	403.00	1528
98.00	8047	178.00	827	263.00	65	404.00	476
99.00	6534	179.00	6672	265.00	2521	405.00	130
100.00	652	180.00	4664	266.00	148	418.00	78
101.00	3306	181.00	2586	268.00	208	421.00	1376
102.00	163	182.00	496	270.00	466	422.00	1613
103.00	746	183.00	199	271.00	219	423.00	8830
104.00	2213	184.00	640	272.00	355	424.00	1759
105.00	2047	185.00	3033	273.00	3658	425.00	210
106.00	187	186.00	28344	274.00	9439	427.00	65
107.00	27152	187.00	7692	275.00	50192	428.00	81
108.00	4191	188.00	827	276.00	6869	432.00	222

Report Date: 22-Oct-2013 13:24:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 07:38:30
Spectrum: Tune Spec: Scans 327-329(4.01-4.02) Bgrd 323(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

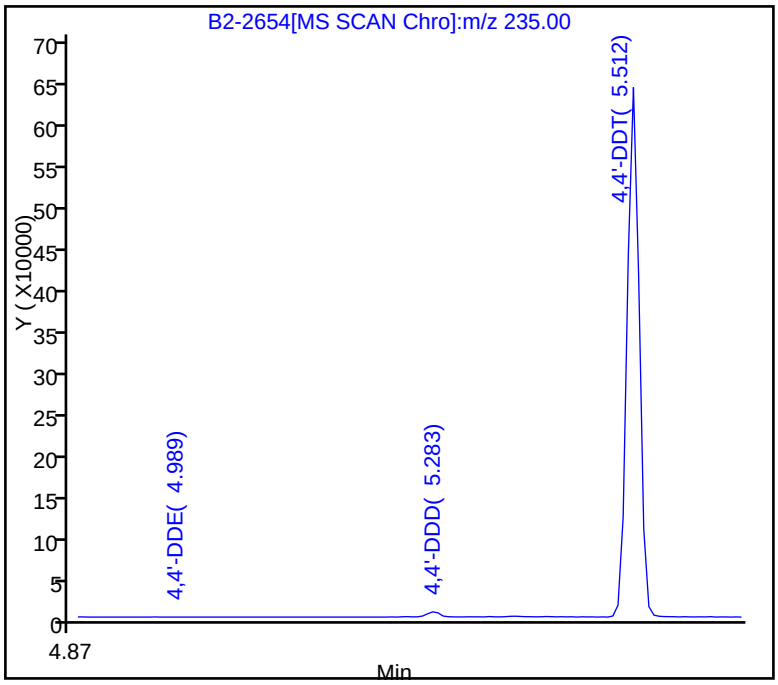
m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	232	189.00	1405	277.00	4104	433.00	127
110.00	51200	190.00	243	278.00	574	434.00	73
111.00	8368	191.00	677	279.00	68	435.00	92
112.00	862	192.00	2114	280.00	71	441.00	28192
113.00	355	193.00	2831	283.00	346	442.00	175104
114.00	69	194.00	716	284.00	371	443.00	33392
116.00	1549	195.00	403	285.00	808	444.00	3039
117.00	20448	196.00	6125	286.00	69	445.00	342
118.00	1552	198.00	188736	288.00	58		
119.00	315	199.00	13079	289.00	122		
120.00	454	200.00	1302	290.00	130		

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D		
Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 621663
62 4,4'-DDD, Area = 6866
56 4,4'-DDE, Area = 745

%Breakdown: 1.21%, Max Limit: 20.00%
Passed

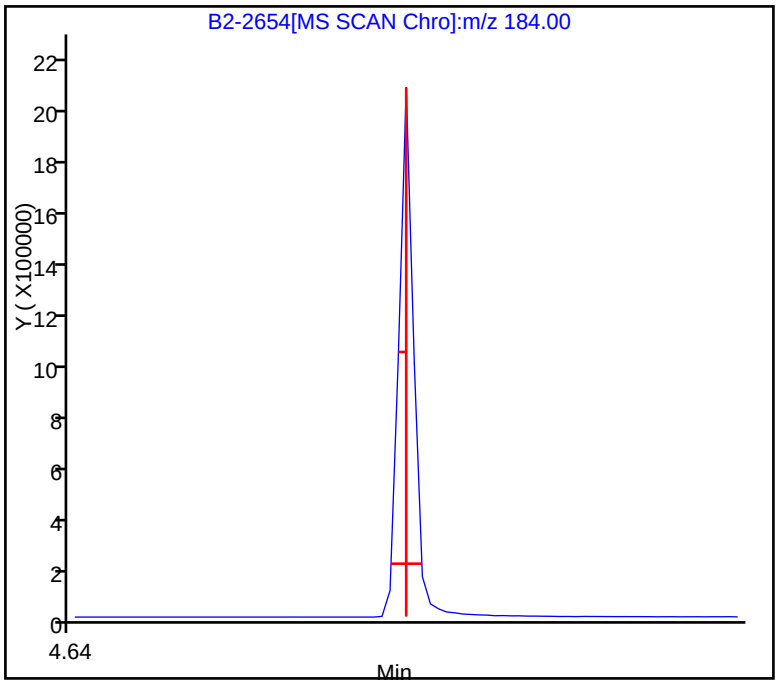
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D

Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

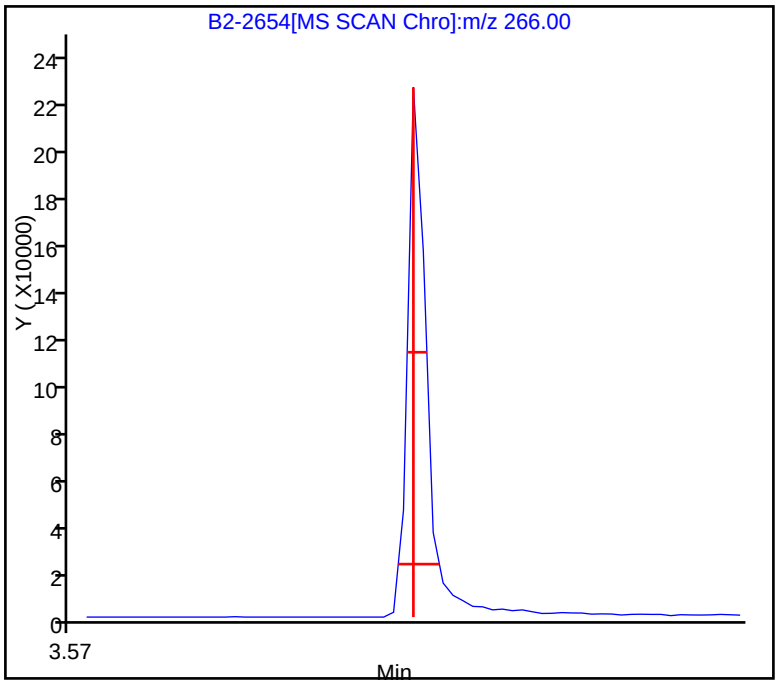
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D

Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.7, Max. Tailing < 5.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D
Lims ID: DFTPP Client ID:
Inject. Date: 22-Oct-2013 13:21:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 13
Lims Batch ID: 197087 Lims Sample ID: 14
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:39 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 13:30:27

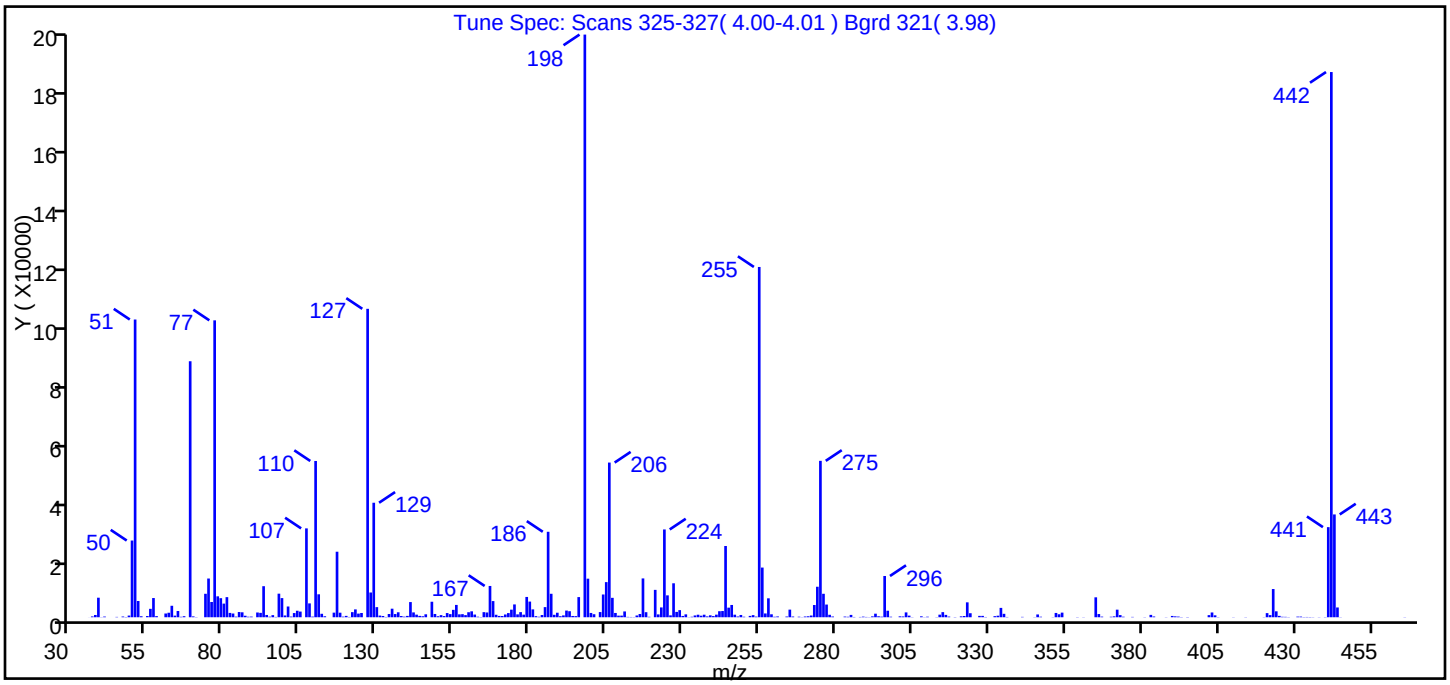
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.770	3.770	0.0	93	125326	0	
30 DFTPP								
48 Benzidine_T	184	4.874	4.874	0.0	99	1549529	0	
56 4,4'-DDE	246	4.980	4.980	0.0	10	911	0	
62 4,4'-DDD	235	5.274	5.274	0.0	71	5970	0	
70 4,4'-DDT	235	5.503	5.503	0.0	99	618615	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	51.10
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.94
70	Less than 2.00% of mass 69	0.15 (0.33)
127	40.00 - 60.00% of mass 198	52.94
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.62
275	10.00 - 30.00% of mass 198	26.84
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443%	15.46 (87.64)
442	Greater than 40.00% of mass 198	93.57
443	17.00 - 23.00% of mass 442	17.65 (18.86)

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	20	131.00	554	214.00	67	304.00	535
37.00	270	132.00	418	215.00	584	305.00	61
38.00	749	133.00	95	216.00	1072	308.00	306
39.00	6446	134.00	1071	217.00	12805	309.00	53
40.00	52	135.00	2824	218.00	1668	310.00	183
41.00	230	136.00	1057	219.00	153	313.00	63
45.00	118	137.00	1636	221.00	9030	314.00	855
47.00	242	138.00	403	222.00	938	315.00	1686
48.00	84	139.00	197	223.00	3241	316.00	781
49.00	557	140.00	447	224.00	28952	317.00	225
50.00	25296	141.00	5007	225.00	7220	319.00	74
51.00	98176	142.00	1599	226.00	622	321.00	299
52.00	5358	143.00	859	227.00	11202	322.00	406
53.00	330	144.00	454	228.00	1767	323.00	4918
55.00	399	145.00	331	229.00	2349	324.00	1330
56.00	2777	146.00	975	230.00	432	327.00	455
57.00	6335	148.00	5116	231.00	956	328.00	456
58.00	373	149.00	1082	232.00	52	329.00	93
61.00	1235	150.00	339	233.00	169	332.00	364
62.00	1487	151.00	699	234.00	594	333.00	510
63.00	3786	152.00	393	235.00	835	334.00	3089
64.00	532	153.00	1387	236.00	511	335.00	1133
65.00	2059	154.00	1032	237.00	838	336.00	99
66.00	148	155.00	2443	238.00	277	341.00	126
67.00	346	156.00	4066	239.00	638	345.00	57
69.00	84416	157.00	960	240.00	383	346.00	924
70.00	281	158.00	1015	241.00	856	347.00	178
71.00	66	159.00	701	242.00	1991	351.00	58
74.00	7740	160.00	1653	243.00	2052	352.00	1419
75.00	12771	161.00	1959	244.00	23496	353.00	983
76.00	5034	162.00	887	245.00	3167	354.00	1526
77.00	97904	163.00	182	246.00	4053	359.00	68
78.00	6899	164.00	79	247.00	844	361.00	52

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6288	165.00	1681	248.00	250	365.00	6572
80.00	4500	166.00	1572	249.00	751	366.00	1057
81.00	6631	167.00	10318	250.00	172	367.00	213
82.00	1431	168.00	5333	251.00	11	370.00	170
83.00	1232	169.00	820	252.00	448	371.00	294
84.00	200	170.00	436	253.00	698	372.00	2503
85.00	1722	171.00	405	254.00	212	373.00	710
86.00	1631	172.00	915	255.00	115504	374.00	176
87.00	498	173.00	1375	256.00	16384	377.00	119
88.00	174	174.00	2505	257.00	1254	381.00	60
89.00	217	175.00	4231	258.00	6248	383.00	783
91.00	1568	176.00	948	259.00	977	384.00	248
92.00	1449	177.00	1690	260.00	161	388.00	53
93.00	10243	178.00	856	261.00	266	390.00	432
94.00	757	179.00	6697	264.00	243	391.00	292
95.00	194	180.00	5168	265.00	2517	392.00	223
96.00	694	181.00	2595	266.00	242	393.00	76
97.00	109	182.00	361	268.00	184	395.00	84
98.00	7778	183.00	162	269.00	54	402.00	697
99.00	6315	184.00	732	270.00	246	403.00	1576
100.00	588	185.00	3341	271.00	320	404.00	632
101.00	3548	186.00	28184	272.00	568	405.00	71
102.00	220	187.00	7740	273.00	4035	410.00	51
103.00	1385	188.00	809	274.00	10060	414.00	60
104.00	2143	189.00	1493	275.00	51576	420.00	59
105.00	1874	190.00	341	276.00	7740	421.00	1363
107.00	29304	191.00	608	277.00	4187	422.00	705
108.00	4571	192.00	2203	278.00	818	423.00	9303
109.00	212	193.00	1992	279.00	246	424.00	1958
110.00	51528	194.00	423	283.00	225	425.00	456
111.00	7569	195.00	367	284.00	158	426.00	157
112.00	1142	196.00	6648	285.00	775	427.00	133
113.00	329	198.00	192128	286.00	98	428.00	65
116.00	1518	199.00	12723	288.00	100	431.00	210

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

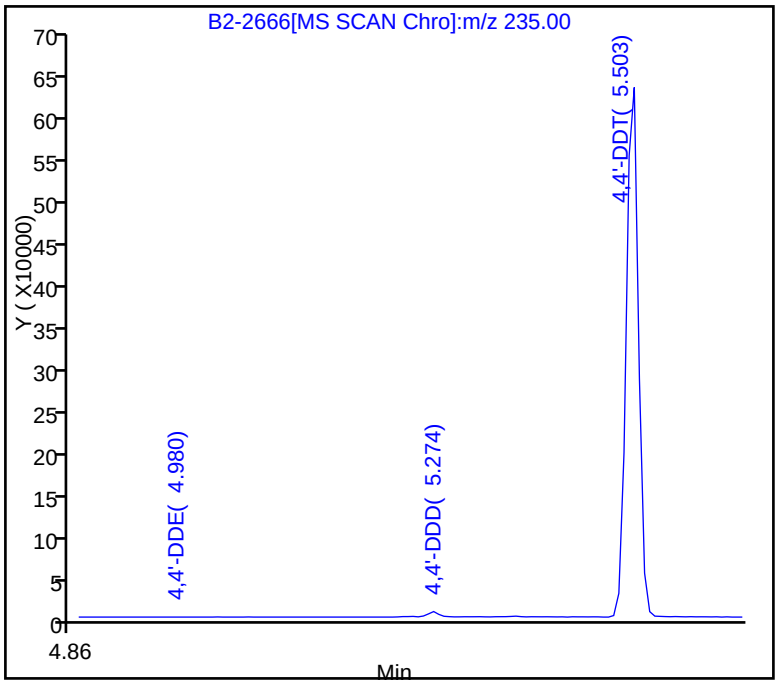
m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	21608	200.00	1416	289.00	206	432.00	219
118.00	1500	201.00	999	290.00	103	433.00	77
119.00	201	203.00	1709	291.00	58	434.00	96
120.00	455	204.00	7508	292.00	293	435.00	81
121.00	105	205.00	11587	293.00	1176	436.00	55
122.00	1685	206.00	51008	294.00	324	438.00	54
123.00	2592	207.00	6404	295.00	191	440.00	74
124.00	1205	208.00	1418	296.00	13607	441.00	29712
125.00	1406	209.00	531	297.00	2154	442.00	179776
127.00	101704	210.00	539	298.00	178	443.00	33904
128.00	8162	211.00	1918	301.00	303	444.00	3228
129.00	37760	212.00	121	302.00	262	445.00	54
130.00	3335	213.00	93	303.00	1602	466.00	54

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 618615
62 4,4'-DDD, Area = 5970
56 4,4'-DDE, Area = 911

%Breakdown: 1.10%, Max Limit: 20.00%
Passed

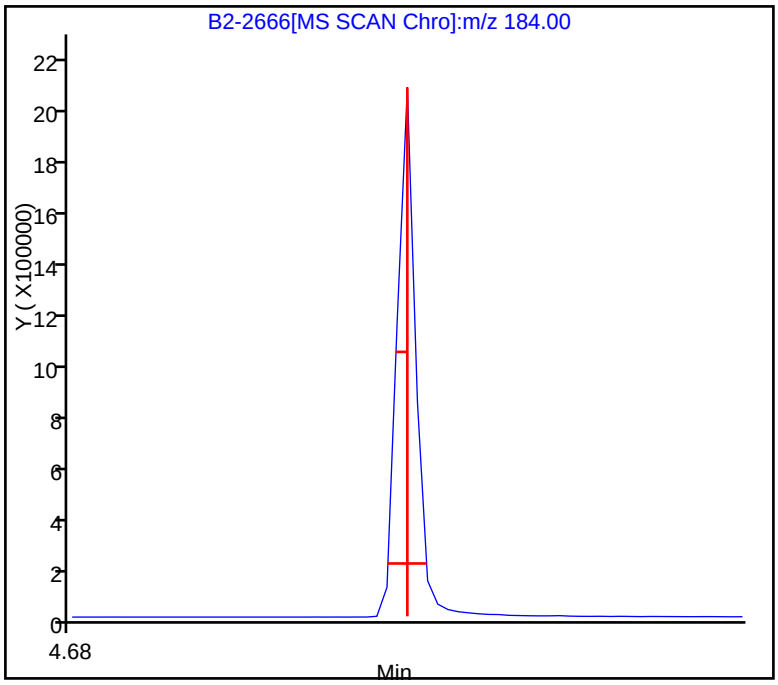
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

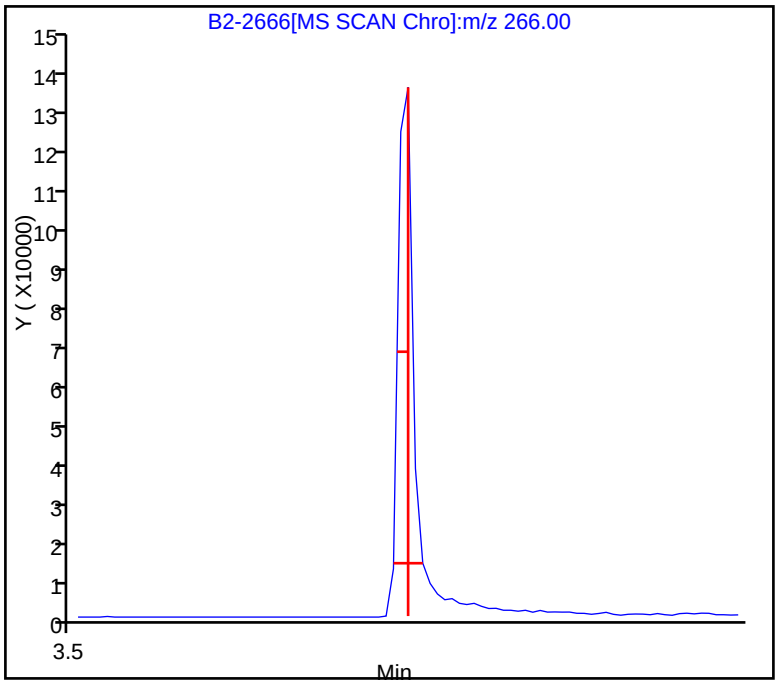
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	22-Oct-2013 13:21:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	13
Lims Batch ID:	197309	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:39	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		
First Level Reviewer: kiekeld		Date:	22-Oct-2013 13:30:27

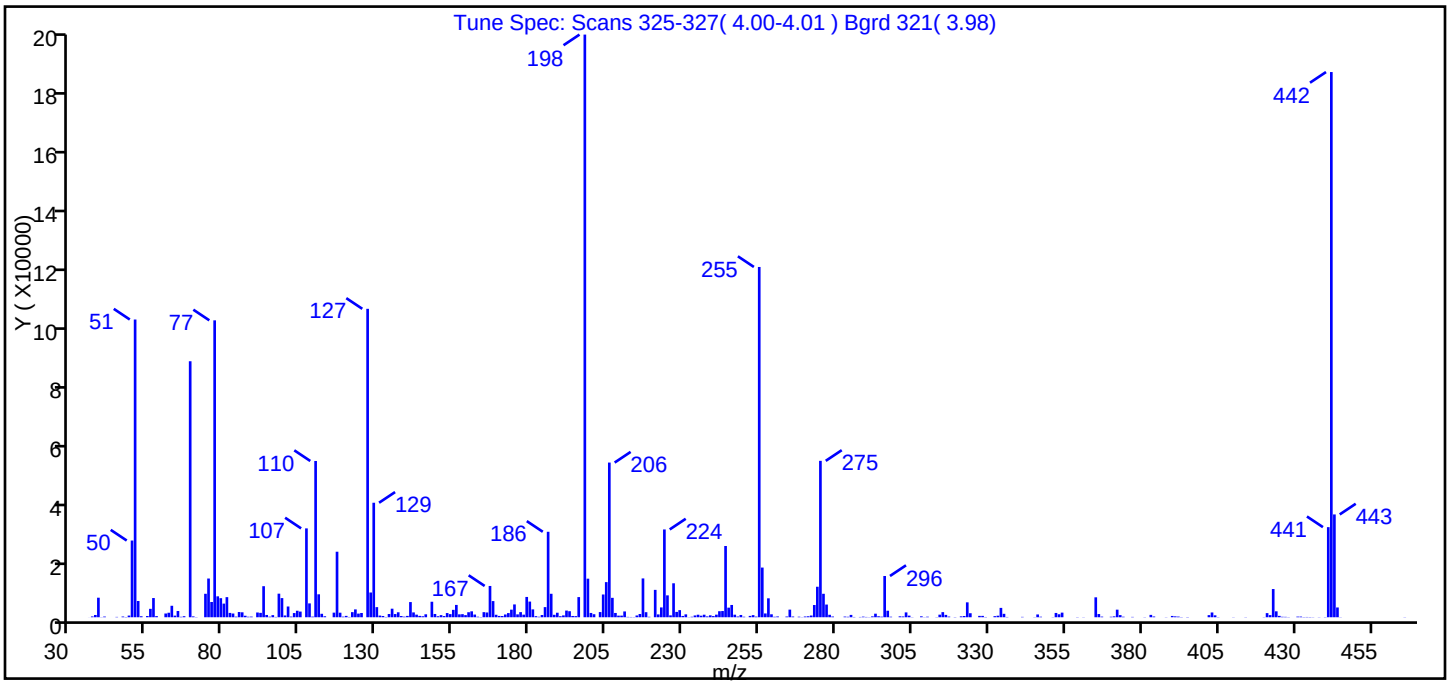
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.770	3.770	0.0	93	125326	0	
30 DFTPP								
48 Benzidine_T	184	4.874	4.874	0.0	99	1549529	0	
56 4,4'-DDE	246	4.980	4.980	0.0	10	911	0	
62 4,4'-DDD	235	5.274	5.274	0.0	71	5970	0	
70 4,4'-DDT	235	5.503	5.503	0.0	99	618615	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	51.10
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.94
70	Less than 2.00% of mass 69	0.15 (0.33)
127	40.00 - 60.00% of mass 198	52.94
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.62
275	10.00 - 30.00% of mass 198	26.84
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443%	15.46 (87.64)
442	Greater than 40.00% of mass 198	93.57
443	17.00 - 23.00% of mass 442	17.65 (18.86)

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	20	131.00	554	214.00	67	304.00	535
37.00	270	132.00	418	215.00	584	305.00	61
38.00	749	133.00	95	216.00	1072	308.00	306
39.00	6446	134.00	1071	217.00	12805	309.00	53
40.00	52	135.00	2824	218.00	1668	310.00	183
41.00	230	136.00	1057	219.00	153	313.00	63
45.00	118	137.00	1636	221.00	9030	314.00	855
47.00	242	138.00	403	222.00	938	315.00	1686
48.00	84	139.00	197	223.00	3241	316.00	781
49.00	557	140.00	447	224.00	28952	317.00	225
50.00	25296	141.00	5007	225.00	7220	319.00	74
51.00	98176	142.00	1599	226.00	622	321.00	299
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53.00	330	144.00	454	228.00	1767	323.00	4918
55.00	399	145.00	331	229.00	2349	324.00	1330
56.00	2777	146.00	975	230.00	432	327.00	455
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58.00	373	149.00	1082	232.00	52	329.00	93
61.00	1235	150.00	339	233.00	169	332.00	364
62.00	1487	151.00	699	234.00	594	333.00	510
63.00	3786	152.00	393	235.00	835	334.00	3089
64.00	532	153.00	1387	236.00	511	335.00	1133
65.00	2059	154.00	1032	237.00	838	336.00	99
66.00	148	155.00	2443	238.00	277	341.00	126
67.00	346	156.00	4066	239.00	638	345.00	57
69.00	84416	157.00	960	240.00	383	346.00	924
70.00	281	158.00	1015	241.00	856	347.00	178
71.00	66	159.00	701	242.00	1991	351.00	58
74.00	7740	160.00	1653	243.00	2052	352.00	1419
75.00	12771	161.00	1959	244.00	23496	353.00	983
76.00	5034	162.00	887	245.00	3167	354.00	1526
77.00	97904	163.00	182	246.00	4053	359.00	68
78.00	6899	164.00	79	247.00	844	361.00	52

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6288	165.00	1681	248.00	250	365.00	6572
80.00	4500	166.00	1572	249.00	751	366.00	1057
81.00	6631	167.00	10318	250.00	172	367.00	213
82.00	1431	168.00	5333	251.00	11	370.00	170
83.00	1232	169.00	820	252.00	448	371.00	294
84.00	200	170.00	436	253.00	698	372.00	2503
85.00	1722	171.00	405	254.00	212	373.00	710
86.00	1631	172.00	915	255.00	115504	374.00	176
87.00	498	173.00	1375	256.00	16384	377.00	119
88.00	174	174.00	2505	257.00	1254	381.00	60
89.00	217	175.00	4231	258.00	6248	383.00	783
91.00	1568	176.00	948	259.00	977	384.00	248
92.00	1449	177.00	1690	260.00	161	388.00	53
93.00	10243	178.00	856	261.00	266	390.00	432
94.00	757	179.00	6697	264.00	243	391.00	292
95.00	194	180.00	5168	265.00	2517	392.00	223
96.00	694	181.00	2595	266.00	242	393.00	76
97.00	109	182.00	361	268.00	184	395.00	84
98.00	7778	183.00	162	269.00	54	402.00	697
99.00	6315	184.00	732	270.00	246	403.00	1576
100.00	588	185.00	3341	271.00	320	404.00	632
101.00	3548	186.00	28184	272.00	568	405.00	71
102.00	220	187.00	7740	273.00	4035	410.00	51
103.00	1385	188.00	809	274.00	10060	414.00	60
104.00	2143	189.00	1493	275.00	51576	420.00	59
105.00	1874	190.00	341	276.00	7740	421.00	1363
107.00	29304	191.00	608	277.00	4187	422.00	705
108.00	4571	192.00	2203	278.00	818	423.00	9303
109.00	212	193.00	1992	279.00	246	424.00	1958
110.00	51528	194.00	423	283.00	225	425.00	456
111.00	7569	195.00	367	284.00	158	426.00	157
112.00	1142	196.00	6648	285.00	775	427.00	133
113.00	329	198.00	192128	286.00	98	428.00	65
116.00	1518	199.00	12723	288.00	100	431.00	210

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	21608	200.00	1416	289.00	206	432.00	219
118.00	1500	201.00	999	290.00	103	433.00	77
119.00	201	203.00	1709	291.00	58	434.00	96
120.00	455	204.00	7508	292.00	293	435.00	81
121.00	105	205.00	11587	293.00	1176	436.00	55
122.00	1685	206.00	51008	294.00	324	438.00	54
123.00	2592	207.00	6404	295.00	191	440.00	74
124.00	1205	208.00	1418	296.00	13607	441.00	29712
125.00	1406	209.00	531	297.00	2154	442.00	179776
127.00	101704	210.00	539	298.00	178	443.00	33904
128.00	8162	211.00	1918	301.00	303	444.00	3228
129.00	37760	212.00	121	302.00	262	445.00	54
130.00	3335	213.00	93	303.00	1602	466.00	54

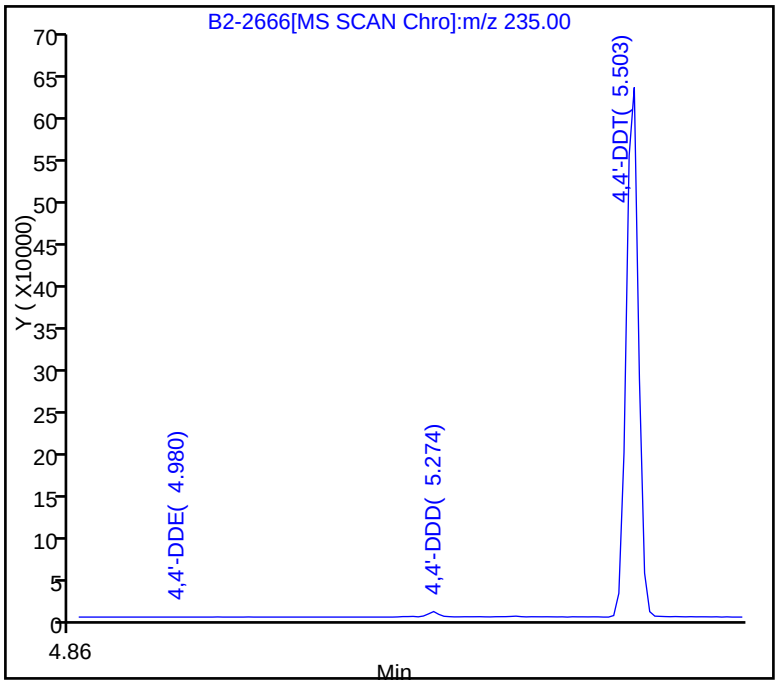
Breakdown Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 618615
62 4,4'-DDD, Area = 5970
56 4,4'-DDE, Area = 911

%Breakdown: 1.10%, Max Limit: 20.00%
Passed

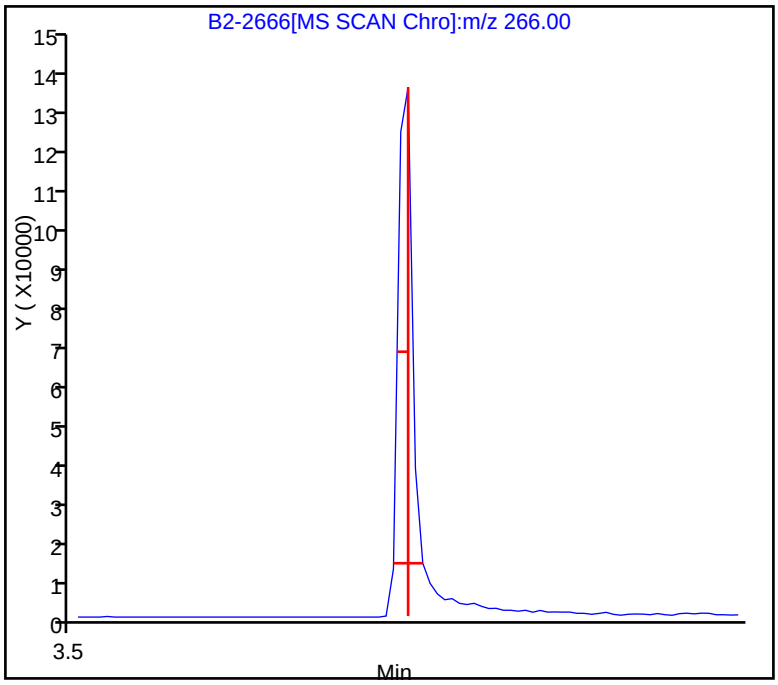
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

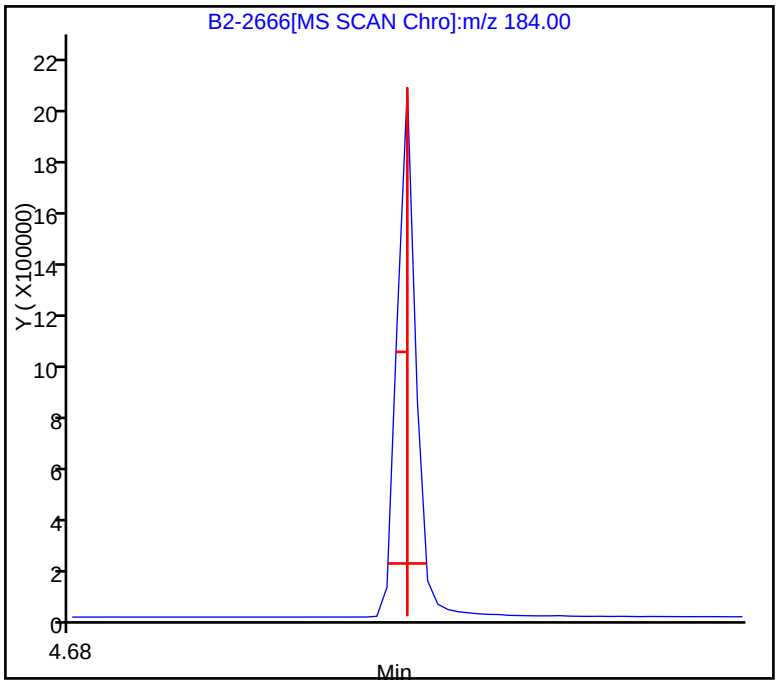
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	31-Oct-2013 11:13:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	1
Lims Batch ID:	198682	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	01-Nov-2013 09:55:03	Calib Date:	31-Oct-2013 13:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK002		
First Level Reviewer: kiekeld		Date:	31-Oct-2013 11:21:19

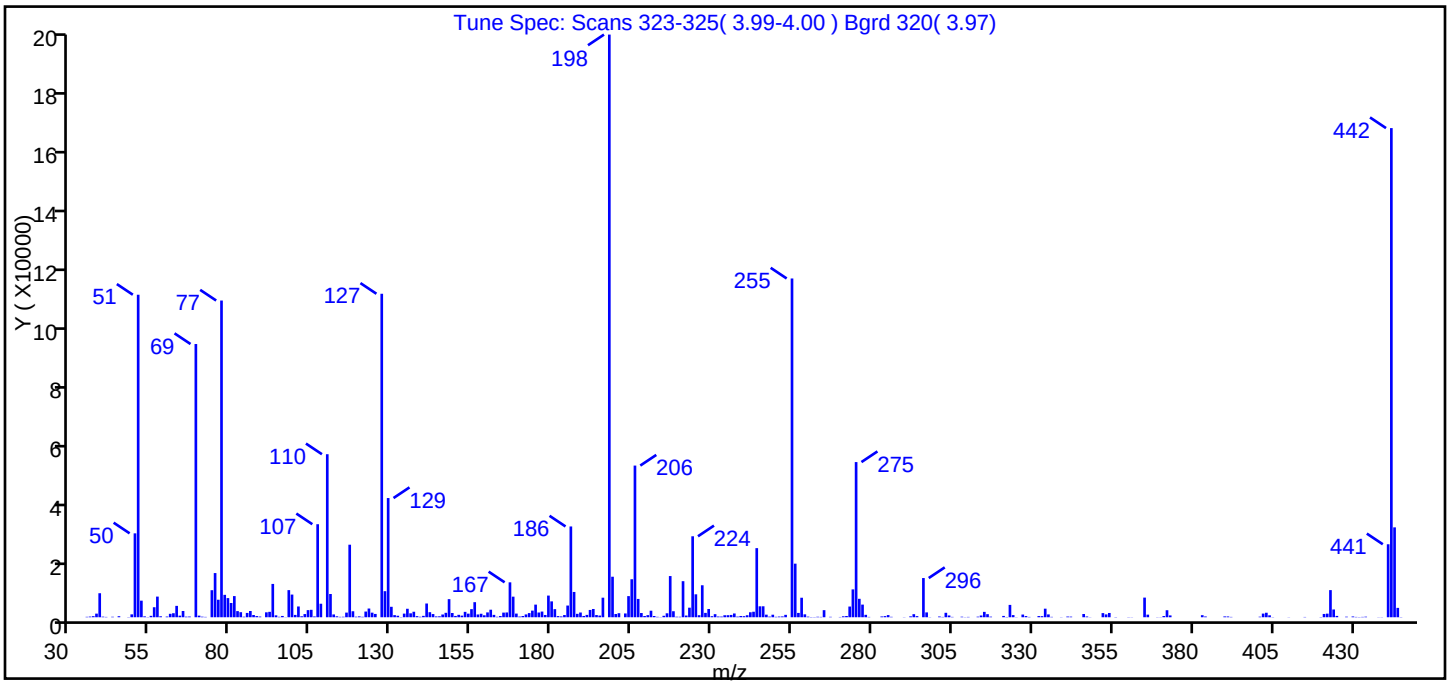
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.757	3.757	0.0	89	178342	0	
30 DFTPP								
48 Benzidine_T	184	4.868	4.868	0.0	99	1447772	0	
56 4,4'-DDE	246	4.973	4.973	0.0	17	937	0	
62 4,4'-DDD	235	5.261	5.261	0.0	73	5006	0	
70 4,4'-DDT	235	5.490	5.490	0.0	98	615422	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D		
Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.35
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	46.89
70	Less than 2.00% of mass 69	0.28 (0.59)
127	40.00 - 60.00% of mass 198	55.52
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 30.00% of mass 198	26.63
365	Greater than 1.00% of mass 198	3.37
441	Present, but less than mass 443%	12.53 (81.21)
442	Greater than 40.00% of mass 198	83.95
443	17.00 - 23.00% of mass 442	15.43 (18.38)

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 31-Oct-2013 11:13:30
Spectrum: Tune Spec: Scans 323-325(3.99-4.00) Bgrd 320(3.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	146	124.00	1552	207.00	6194	298.00	61
36.00	229	125.00	1121	208.00	1429	301.00	258
37.00	366	127.00	109368	209.00	418	302.00	112
38.00	1225	128.00	8816	210.00	715	303.00	1507
39.00	8122	129.00	40304	211.00	2213	304.00	598
40.00	207	130.00	3535	212.00	422	305.00	124
41.00	117	131.00	719	213.00	145	308.00	187
43.00	166	132.00	509	214.00	59	309.00	57
45.00	351	133.00	75	215.00	494	310.00	120
48.00	78	134.00	1230	216.00	1341	313.00	199
49.00	980	135.00	2869	217.00	13929	314.00	593
50.00	28368	136.00	1332	218.00	2037	315.00	1822
51.00	109040	137.00	1862	219.00	182	316.00	1041
52.00	5609	138.00	375	220.00	165	317.00	203
53.00	296	139.00	164	221.00	12196	321.00	449
54.00	70	140.00	473	222.00	577	322.00	97
55.00	478	141.00	4650	223.00	3234	323.00	4179
56.00	3388	142.00	1711	224.00	27376	324.00	725
57.00	6985	143.00	1080	225.00	7758	325.00	53
58.00	330	144.00	281	226.00	690	327.00	915
60.00	238	145.00	326	227.00	10815	328.00	402
61.00	1164	146.00	930	228.00	1478	329.00	116
62.00	1362	147.00	1502	229.00	2791	332.00	402
63.00	3848	148.00	6123	230.00	355	333.00	365
64.00	541	149.00	1439	231.00	1043	334.00	2899
65.00	2116	150.00	446	232.00	253	335.00	962
66.00	201	151.00	822	233.00	235	336.00	135
67.00	245	152.00	554	234.00	677	339.00	56
69.00	92376	153.00	1827	235.00	691	341.00	239
70.00	543	154.00	1215	236.00	781	342.00	212
71.00	194	155.00	2746	237.00	1279	346.00	1101
72.00	123	156.00	5099	238.00	220	347.00	261
74.00	9147	157.00	939	239.00	429	348.00	50

Report Date: 01-Nov-2013 09:55:03 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 31-Oct-2013 11:13:30
Spectrum: Tune Spec: Scans 323-325(3.99-4.00) Bgrd 320(3.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	14939	158.00	1182	240.00	368	352.00	1403
76.00	5922	159.00	662	241.00	680	353.00	964
77.00	107080	160.00	1637	242.00	1685	354.00	1448
78.00	7579	161.00	2550	243.00	1864	356.00	83
79.00	6480	162.00	805	244.00	23368	360.00	67
80.00	4820	163.00	164	245.00	3701	361.00	52
81.00	7155	164.00	415	246.00	3708	365.00	6643
82.00	2077	165.00	1570	247.00	873	366.00	881
83.00	1711	166.00	1620	248.00	222	369.00	57
84.00	190	167.00	11808	249.00	860	370.00	54
85.00	1459	168.00	6963	250.00	149	371.00	410
86.00	2117	169.00	1241	251.00	238	372.00	2374
87.00	759	170.00	240	252.00	281	373.00	620
88.00	399	171.00	422	253.00	817	383.00	701
89.00	236	172.00	959	255.00	114536	384.00	260
91.00	1668	173.00	1408	256.00	18120	390.00	281
92.00	1833	174.00	2241	257.00	1464	391.00	269
93.00	11269	175.00	4272	258.00	6601	392.00	121
94.00	646	176.00	1603	259.00	989	401.00	193
95.00	154	177.00	1926	260.00	214	402.00	1240
96.00	440	178.00	768	261.00	87	403.00	1528
97.00	51	179.00	7329	262.00	77	404.00	658
98.00	9172	180.00	5370	263.00	164	405.00	68
99.00	7670	181.00	2738	264.00	121	410.00	50
100.00	793	182.00	402	265.00	2396	415.00	102
101.00	3645	183.00	279	267.00	147	420.00	84
102.00	333	184.00	750	268.00	1	421.00	1116
103.00	1079	185.00	3958	270.00	97	422.00	1221
104.00	2410	186.00	30696	271.00	324	423.00	9176
105.00	2520	187.00	8553	272.00	422	424.00	2630
106.00	269	188.00	1157	273.00	3622	425.00	457
107.00	31456	189.00	1603	274.00	9423	428.00	195
108.00	4571	190.00	439	275.00	52464	430.00	266
110.00	55120	191.00	798	276.00	6236	431.00	115

Report Date: 01-Nov-2013 09:55:03 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 31-Oct-2013 11:13:30
Spectrum: Tune Spec: Scans 323-325(3.99-4.00) Bgrd 320(3.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

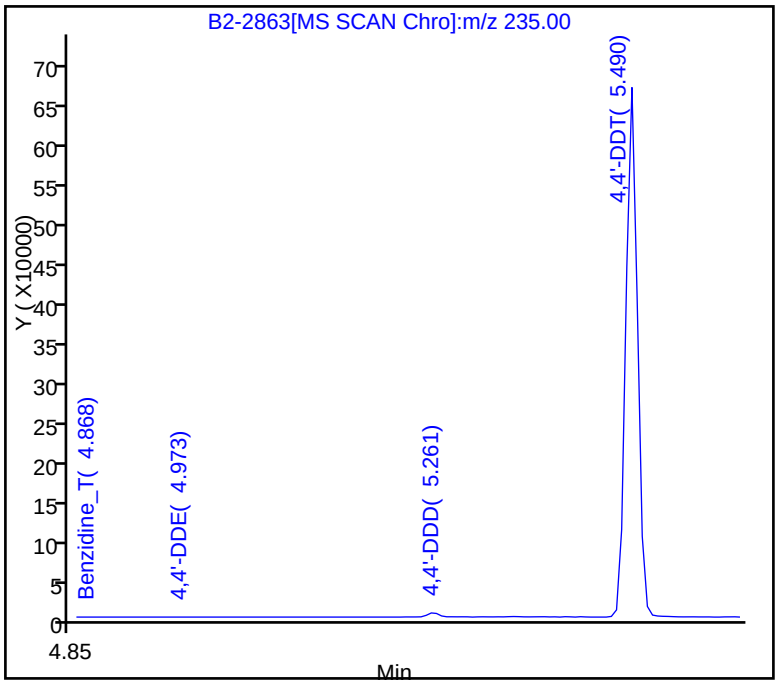
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	7860	192.00	2468	277.00	4277	432.00	76
112.00	952	193.00	2794	278.00	823	433.00	125
113.00	324	194.00	748	279.00	117	434.00	195
114.00	142	195.00	568	283.00	271	438.00	52
115.00	174	196.00	6615	284.00	389	439.00	56
116.00	1573	198.00	196992	285.00	732	441.00	24680
117.00	24528	199.00	13702	286.00	147	442.00	165376
118.00	2030	200.00	1095	290.00	57	443.00	30392
119.00	192	201.00	1371	292.00	304	444.00	3170
120.00	302	203.00	1285	293.00	1039	445.00	76
121.00	155	204.00	7148	294.00	379		
122.00	1927	205.00	12852	296.00	13258		
123.00	2951	206.00	51280	297.00	1641		

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D		
Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 615422
62 4,4'-DDD, Area = 5006
56 4,4'-DDE, Area = 937

%Breakdown: 0.96%, Max Limit: 20.00%
Passed

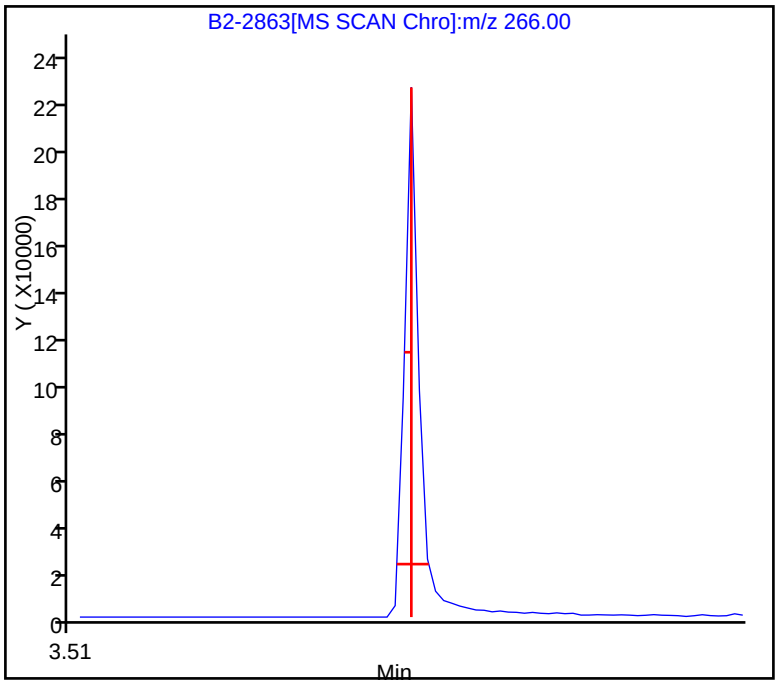
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D

Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing < 5.00
Passed

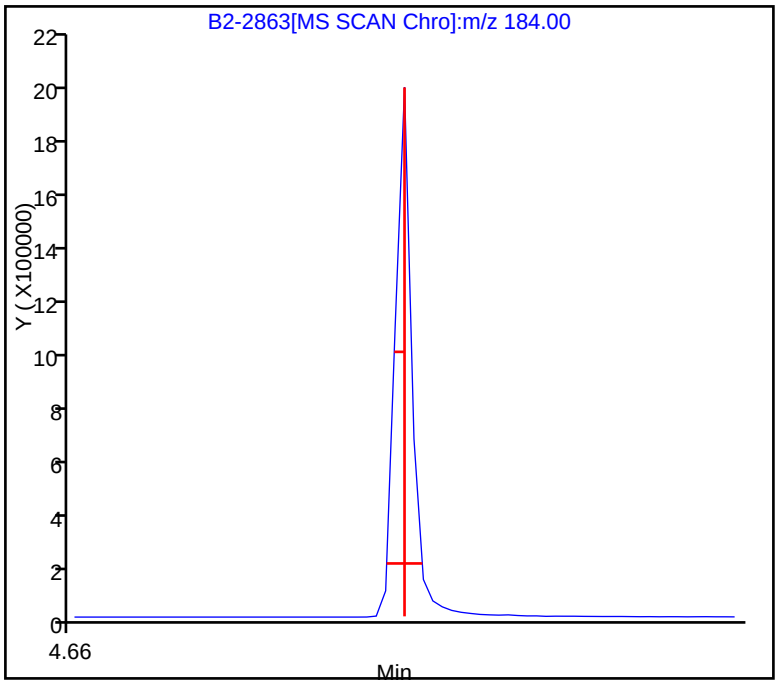
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D

Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198371/1-A

Matrix: Solid | Lab File ID: B2-2868.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.8(g) | Date Analyzed: 10/31/2013 13:15

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	150	U	300	150	46
95-94-3	1,2,4,5-Tetrachlorobenzene	61	U	300	61	45
120-82-1	1,2,4-Trichlorobenzene	30	U	300	30	26
95-50-1	1,2-Dichlorobenzene	30	U	300	30	20
122-66-7	1,2-Diphenylhydrazine	30	U	300	30	20
541-73-1	1,3-Dichlorobenzene	30	U	300	30	11
106-46-7	1,4-Dichlorobenzene	30	U	300	30	12
108-60-1	2,2'-oxybis[1-chloropropane]	30	U	300	30	21
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	1500	150	130
95-95-4	2,4,5-Trichlorophenol	120	U	300	120	9.1
88-06-2	2,4,6-Trichlorophenol	60	U	300	60	9.1
120-83-2	2,4-Dichlorophenol	60	U	300	60	9.1
105-67-9	2,4-Dimethylphenol	120	U	300	120	60
51-28-5	2,4-Dinitrophenol	610	U	1500	610	300
121-14-2	2,4-Dinitrotoluene	120	U	300	120	60
87-65-0	2,6-Dichlorophenol	120	U	300	120	63
606-20-2	2,6-Dinitrotoluene	60	U	300	60	26
91-58-7	2-Chloronaphthalene	30	U	300	30	9.1
95-57-8	2-Chlorophenol	30	U	300	30	19
91-57-6	2-Methylnaphthalene	30	U	300	30	17
95-48-7	2-Methylphenol	30	U	300	30	12
88-74-4	2-Nitroaniline	60	U	1500	60	46
88-75-5	2-Nitrophenol	60	U	300	60	9.1
15831-10-4	3 & 4 Methylphenol	60	U	300	60	30
91-94-1	3,3'-Dichlorobenzidine	300	U	1500	300	82
99-09-2	3-Nitroaniline	120	U	1500	120	67
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1500	600	300
101-55-3	4-Bromophenyl phenyl ether	30	U	300	30	17
59-50-7	4-Chloro-3-methylphenol	120	U	300	120	60
106-47-8	4-Chloroaniline	120	U	300	120	75
7005-72-3	4-Chlorophenyl phenyl ether	60	U	300	60	19
100-01-6	4-Nitroaniline	120	U	1500	120	66
100-02-7	4-Nitrophenol	300	U	1500	300	89
83-32-9	Acenaphthene	16	U	300	16	9.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198371/1-A

Matrix: Solid | Lab File ID: B2-2868.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.8(g) | Date Analyzed: 10/31/2013 13:15

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	30	U	300	30	16
98-86-2	Acetophenone	30	U	300	30	18
120-12-7	Anthracene	30	U	300	30	16
1912-24-9	Atrazine	120	U	300	120	34
100-52-7	Benzaldehyde	61	U	300	61	36
92-87-5	Benzidine	3600	U	3700	3600	910
56-55-3	Benzo[a]anthracene	30	U	300	30	18
50-32-8	Benzo[a]pyrene	30	U	300	30	18
205-99-2	Benzo[b]fluoranthene	30	U	300	30	24
191-24-2	Benzo[g,h,i]perylene	30	U	300	30	15
207-08-9	Benzo[k]fluoranthene	60	U	300	60	37
65-85-0	Benzoic acid	600	U	1500	600	300
100-51-6	Benzyl alcohol	30	U	300	30	9.1
111-91-1	Bis(2-chloroethoxy)methane	60	U	300	60	21
111-44-4	Bis(2-chloroethyl)ether	30	U	300	30	15
117-81-7	Bis(2-ethylhexyl) phthalate	60	U	300	60	42
85-68-7	Butyl benzyl phthalate	60	U	300	60	39
105-60-2	Caprolactam	300	U	1500	300	97
86-74-8	Carbazole	61	U	300	61	33
218-01-9	Chrysene	30	U	300	30	25
53-70-3	Dibenz(a,h)anthracene	30	U	300	30	17
132-64-9	Dibenzofuran	30	U	300	30	18
84-66-2	Diethyl phthalate	30	U	600	30	24
131-11-3	Dimethyl phthalate	31.7	J	300	30	21
84-74-2	Di-n-butyl phthalate	30	U	300	30	27
117-84-0	Di-n-octyl phthalate	60	U	300	60	13
206-44-0	Fluoranthene	60	U	300	60	33
86-73-7	Fluorene	30	U	300	30	16
118-74-1	Hexachlorobenzene	60	U	300	60	27
87-68-3	Hexachlorobutadiene	60	U	300	60	9.1
77-47-4	Hexachlorocyclopentadiene	60	U	1600	60	46
67-72-1	Hexachloroethane	30	U	300	30	19
193-39-5	Indeno[1,2,3-cd]pyrene	30	U	300	30	20
78-59-1	Isophorone	30	U	300	30	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198371/1-A

Matrix: Solid | Lab File ID: B2-2868.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.8(g) | Date Analyzed: 10/31/2013 13:15

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	60	U	300	60	28
98-95-3	Nitrobenzene	30	U	300	30	20
62-75-9	N-Nitrosodimethylamine	60	U	480	60	34
621-64-7	N-Nitrosodi-n-propylamine	60	U	300	60	28
86-30-6	N-Nitrosodiphenylamine	30	U	300	30	19
930-55-2	N-Nitrosopyrrolidine	120	U	300	120	59
87-86-5	Pentachlorophenol	610	U	1500	610	300
85-01-8	Phenanthrene	30	U	300	30	16
108-95-2	Phenol	30	U	300	30	16
129-00-0	Pyrene	30	U	370	30	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125
321-60-8	2-Fluorobiphenyl	70		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	69		35-100
4165-62-2	Phenol-d5 (Surr)	72		40-100
1718-51-0	Terphenyl-d14 (Surr)	80		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2868.D
Lims ID: MB 280-198371/1-A Client ID:
Inject. Date: 31-Oct-2013 13:15:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB280-198371_1-A
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 6
Lims Batch ID: 198682 Lims Sample ID: 31
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 01-Nov-2013 09:35:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.608	4.609	-0.001	92	195942	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	780979	40.0	
* 3 Acenaphthene-d10	164	7.622	7.623	-0.001	99	468547	40.0	
* 4 Phenanthrene-d10	188	9.132	9.133	-0.001	99	833715	40.0	
* 5 Chrysene-d12	240	13.386	13.387	-0.001	65	896454	40.0	
* 6 Perylene-d12	264	17.499	17.506	-0.007	98	876243	40.0	
$ 7 2-Fluorophenol	112	3.409	3.404	0.005	98	498699	72.4	
$ 8 Phenol-d5	99	4.267	4.261	0.006	99	645461	72.4	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	97	521242	68.5	
$ 10 2,4,6-Trichlorophenol-d2	198		6.858					
$ 11 2-Fluorobiphenyl	172	6.923	6.923	0.0	82	1082507	70.1	
$ 12 2,4,6-Tribromophenol	330	8.427	8.433	-0.006	94	141758	64.3	
$ 13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1424952	80.0	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		1.693					9
18 2-Ethoxyethanol	59		1.899					9
19 1,4-Dioxane	88		1.899					9
20 N-Nitrosodimethylamine	74		2.176					
21 Pyridine	79		2.217					
22 Dimethylformamide	73		2.533					
23 2-Picoline	93		2.862					
24 N-Nitrosomethylethylamine	88		2.962					
25 Acrylamide	71		3.214					9
26 Methyl methanesulfonate	80		3.238					
27 N-Nitrosodiethylamine	102		3.596					
28 Pentachlorophenol_T	266		3.757					
29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94		4.279					
33 Phenylmercaptan	110		4.261					
34 Aniline	93		4.302					
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93		4.338					
37 Pentachloroethane	117		4.348					
38 n-Decane	43		4.396					9
39 2-Chlorophenol	128		4.420					
40 1,3-Dichlorobenzene	146		4.555					
41 Methyl styrene	118		4.702					9
42 1,4-Dichlorobenzene	146		4.626					
43 Benzyl alcohol	108		4.737					
44 1,2-Dichlorobenzene	146		4.778					
45 2-Methylphenol	108		4.843					
46 2,2'-oxybis[1-chloropropane]	45		4.843					9
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108		4.990					
50 3-Methylphenol	108		4.990					
51 4-Methylphenol	108		4.990					
52 N-Nitrosodi-n-propylamine	70		4.972					
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105		4.990					
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117		5.102					
59 Nitrobenzene	77		5.172					9
60 Triethyl phosphate	99		5.254					9
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82		5.384					9
64 2-Nitrophenol	139		5.478					
65 2,4-Dimethylphenol	107		5.507					
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105		5.619					
69 Bis(2-chloroethoxy)methane	93		5.583					
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					9
74 2,4-Dichlorophenol	162		5.724					
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180		5.795					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					9
79 Naphthalene	128		5.883					9
80 4-Chloroaniline	127		5.936					
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225		5.977					
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					9
86 Caprolactam	55		6.277					
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107		6.418					
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142		6.565					9
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142		6.670					9
97 Hexachlorocyclopentadiene	237		6.711					
98 1,2,4,5-Tetrachlorobenzene	216		6.735					
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196		6.852					
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196		6.911					
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154		7.029					
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					9
106 2-Chloronaphthalene	162		7.064					9
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65		7.176					
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	94	15465	1.04	
112 1,3-Dinitrobenzene	168		7.381					
113 2,6-Dinitrotoluene	165		7.405					
114 Acenaphthylene	152		7.487					
115 3-Nitroaniline	138		7.593					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					9
117 Acenaphthene	153		7.657					
118 2,4-Dinitrophenol	184		7.693					
119 4-Nitrophenol	109		7.787					9
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165		7.810					
123 Dibenzofuran	168		7.834					
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232		7.957					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57		7.986					9
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					9
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149		8.022					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204		8.157					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.180					
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138		8.216					
139 4,6-Dinitro-2-methylphenol	198		8.227					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169		8.280					9
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77		8.321					9
144 Azobenzene	77		8.321					9
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330		8.433					
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248		8.656					
157 Hexachlorobenzene	284		8.733					
158 Dimethoate	87		8.755					
159 Atrazine	200		8.797					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					9
161 n-Octadecane	85		8.909					
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266		8.944					
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					9
167 Dinoseb	211		9.090					
168 Phenanthrene	178		9.161					
169 Anthracene	178		9.208					
170 Carbazole	167		9.379					
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149		9.673					9
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202		10.577					9
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		10.777					
182 Pyrene	202		10.936					
183 Aramite Peak 1	185		11.052					9
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					9
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.052					
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					9
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149		13.380					
196 4,4'-Methylene bis(2-chloroanili	231		13.344					9
197 3,3'-Dichlorobenzidine	252		13.345					
198 Benzo[a]anthracene	228		13.368					9
199 Chrysene	228		13.462					9
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149		15.243					
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252		16.353					9
204 Benzo[k]fluoranthene	252		16.429					9
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					9
207 Benzo[a]pyrene	252		17.328					9
208 Perylene	252		17.610					9
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278		20.771					
214 Indeno[1,2,3-cd]pyrene	276		20.689					
215 Benzo[g,h,i]perylene	276		21.459					
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108		15.496					7
S 218 Methyl Phenols,Total	108		15.496					7
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					1
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					1
T 225 2,6-Dimethylphenol	1		0.000					1
T 226 Octadecane (TIC)	1		0.000					1
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					1
T 228 Pentachlorodibenzofurans TIC	1		0.000					1
T 229 Hexachlorodibenzofurans TIC	1		0.000					1
T 230 Tetrachlorodibenzofurans TIC	1		0.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

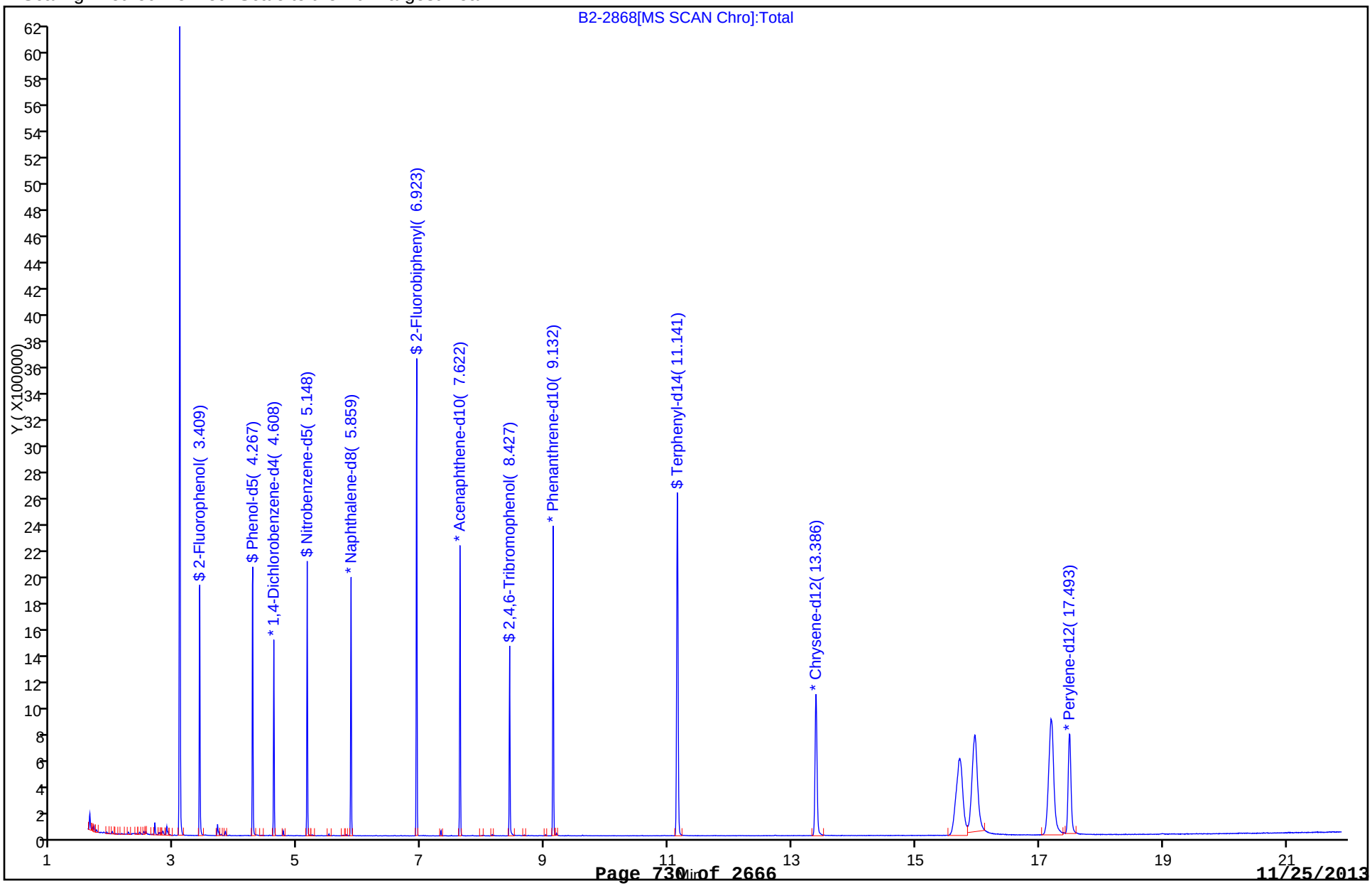
Report Date: 01-Nov-2013 09:55:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2868.D

Injection Date:	31-Oct-2013 13:15:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



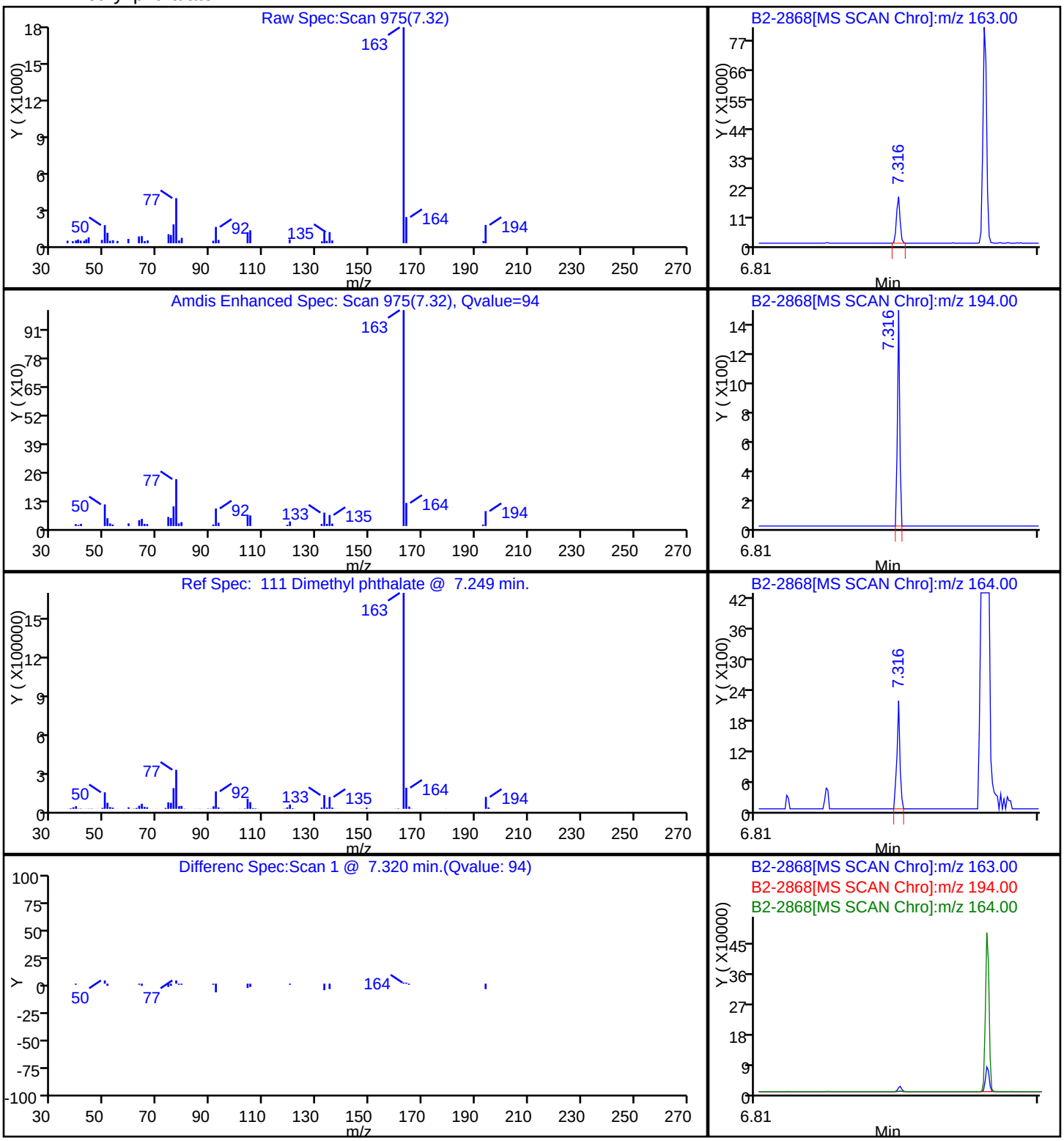
Report Date: 01-Nov-2013 09:55:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2868.D

Injection Date:	31-Oct-2013 13:15:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

111 Dimethyl phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198371/2-A

Matrix: Solid | Lab File ID: B2-2870.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.0(g) | Date Analyzed: 10/31/2013 14:10

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	1790		310	160	47
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		310	63	46
120-82-1	1,2,4-Trichlorobenzene	1730		310	31	26
95-50-1	1,2-Dichlorobenzene	1720		310	31	21
122-66-7	1,2-Diphenylhydrazine	1940		310	31	21
541-73-1	1,3-Dichlorobenzene	1660		310	31	11
106-46-7	1,4-Dichlorobenzene	1670		310	31	13
108-60-1	2,2'-oxybis[1-chloropropane]	1660		310	31	22
58-90-2	2,3,4,6-Tetrachlorophenol	2040		1500	160	130
95-95-4	2,4,5-Trichlorophenol	1980		310	120	9.4
88-06-2	2,4,6-Trichlorophenol	1920		310	62	9.4
120-83-2	2,4-Dichlorophenol	1870		310	62	9.4
105-67-9	2,4-Dimethylphenol	1730		310	120	62
51-28-5	2,4-Dinitrophenol	3400		1500	630	310
121-14-2	2,4-Dinitrotoluene	2090		310	120	62
606-20-2	2,6-Dinitrotoluene	1980		310	62	26
91-58-7	2-Chloronaphthalene	1780		310	31	9.4
95-57-8	2-Chlorophenol	1820		310	31	20
91-57-6	2-Methylnaphthalene	1820		310	31	18
95-48-7	2-Methylphenol	1870		310	31	12
88-74-4	2-Nitroaniline	1870		1500	62	47
88-75-5	2-Nitrophenol	1820		310	62	9.4
15831-10-4	3 & 4 Methylphenol	1880		310	62	31
91-94-1	3,3'-Dichlorobenzidine	1240	J	1500	310	84
99-09-2	3-Nitroaniline	1630		1500	120	68
534-52-1	4,6-Dinitro-2-methylphenol	3700		1500	620	310
101-55-3	4-Bromophenyl phenyl ether	1890		310	31	18
59-50-7	4-Chloro-3-methylphenol	1980		310	120	62
106-47-8	4-Chloroaniline	1130		310	120	77
7005-72-3	4-Chlorophenyl phenyl ether	1920		310	62	20
100-01-6	4-Nitroaniline	1920		1500	120	68
100-02-7	4-Nitrophenol	4320		1500	310	91
83-32-9	Acenaphthene	1840		310	16	9.7
208-96-8	Acenaphthylene	1780		310	31	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198371/2-A

Matrix: Solid | Lab File ID: B2-2870.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.0(g) | Date Analyzed: 10/31/2013 14:10

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-86-2	Acetophenone	1500		310	31	19
120-12-7	Anthracene	1880		310	31	16
1912-24-9	Atrazine	1950		310	120	35
92-87-5	Benzidine	3700	U	3800	3700	930
56-55-3	Benzo[a]anthracene	1920		310	31	19
50-32-8	Benzo[a]pyrene	1940		310	31	19
205-99-2	Benzo[b]fluoranthene	1980		310	31	25
191-24-2	Benzo[g,h,i]perylene	1970		310	31	15
207-08-9	Benzo[k]fluoranthene	2140		310	62	38
65-85-0	Benzoic acid	1960		1500	620	310
100-51-6	Benzyl alcohol	1820		310	31	9.4
111-91-1	Bis(2-chloroethoxy)methane	1730		310	62	22
111-44-4	Bis(2-chloroethyl)ether	1750		310	31	16
117-81-7	Bis(2-ethylhexyl) phthalate	1880		310	62	43
85-68-7	Butyl benzyl phthalate	1910		310	62	40
105-60-2	Caprolactam	1780		1500	310	99
86-74-8	Carbazole	1950		310	63	34
218-01-9	Chrysene	1930		310	31	25
53-70-3	Dibenz(a,h)anthracene	1960		310	31	18
132-64-9	Dibenzofuran	1880		310	31	19
84-66-2	Diethyl phthalate	2010		620	31	24
131-11-3	Dimethyl phthalate	1990		310	31	22
84-74-2	Di-n-butyl phthalate	1970		310	31	27
117-84-0	Di-n-octyl phthalate	1660		310	62	14
206-44-0	Fluoranthene	1960		310	62	34
86-73-7	Fluorene	1910		310	31	17
118-74-1	Hexachlorobenzene	1920		310	62	27
87-68-3	Hexachlorobutadiene	1740		310	62	9.4
77-47-4	Hexachlorocyclopentadiene	1530	J	1600	62	47
67-72-1	Hexachloroethane	1660		310	31	20
193-39-5	Indeno[1,2,3-cd]pyrene	1740	M	310	31	21
78-59-1	Isophorone	1650		310	31	16
91-20-3	Naphthalene	1790		310	62	29
98-95-3	Nitrobenzene	1760		310	31	21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198371/2-A

Matrix: Solid | Lab File ID: B2-2870.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.0(g) | Date Analyzed: 10/31/2013 14:10

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
62-75-9	N-Nitrosodimethylamine	1560		490	62	35
621-64-7	N-Nitrosodi-n-propylamine	1790		310	62	29
86-30-6	N-Nitrosodiphenylamine	1960		310	31	20
87-86-5	Pentachlorophenol	3530		1500	630	310
85-01-8	Phenanthrene	1950		310	31	16
108-95-2	Phenol	1940		310	31	17
129-00-0	Pyrene	1980		380	31	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		35-125
321-60-8	2-Fluorobiphenyl	73		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	71		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	82		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2870.D
Lims ID: LCS 280-198371/2-A Client ID:
Inject. Date: 31-Oct-2013 14:10:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS280-198371_2-A
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 7
Lims Batch ID: 198682 Lims Sample ID: 32
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 31-Oct-2013 14:53:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.607	4.609	-0.002	92	191952	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	794252	40.0	
* 3 Acenaphthene-d10	164	7.627	7.623	0.004	100	488518	40.0	
* 4 Phenanthrene-d10	188	9.131	9.133	-0.002	99	861027	40.0	
* 5 Chrysene-d12	240	13.391	13.387	0.004	91	946486	40.0	
* 6 Perylene-d12	264	17.492	17.506	-0.014	98	837139	40.0	
$ 7 2-Fluorophenol	112	3.409	3.404	0.005	98	509318	75.5	
$ 8 Phenol-d5	99	4.261	4.261	0.0	99	659252	75.5	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	96	547130	70.7	
$ 11 2-Fluorobiphenyl	172	6.922	6.923	-0.001	99	1173231	72.9	
$ 12 2,4,6-Tribromophenol	330	8.432	8.433	-0.001	98	194570	84.7	
$ 13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1538759	81.8	
19 1,4-Dioxane	88	1.893	1.899	-0.006	94	83390	29.2	
20 N-Nitrosodimethylamine	74	2.169	2.176	-0.007	99	224545	50.1	
21 Pyridine	79	2.210	2.217	-0.007	98	277452	35.1	
32 Phenol	94	4.278	4.279	-0.001	92	558628	62.0	
34 Aniline	93	4.302	4.302	0.0	99	341896	30.6	
36 Bis(2-chloroethyl)ether	93	4.337	4.338	-0.001	45	381434	56.1	
38 n-Decane	43	4.396	4.396	0.0	95	296635	42.2	
39 2-Chlorophenol	128	4.419	4.420	-0.001	95	416215	58.2	
40 1,3-Dichlorobenzene	146	4.554	4.555	-0.001	98	405046	53.2	
42 1,4-Dichlorobenzene	146	4.625	4.626	-0.001	98	419608	53.5	
43 Benzyl alcohol	108	4.737	4.737	0.0	100	265136	58.1	
44 1,2-Dichlorobenzene	146	4.778	4.778	0.0	98	406429	55.0	
45 2-Methylphenol	108	4.842	4.843	-0.001	97	386778	59.7	
46 2,2'-oxybis[1-chloropropane]	45	4.842	4.843	-0.001	90	504116	53.0	
49 3 & 4 Methylphenol	108	4.989	4.990	-0.001	84	411450	60.2	
50 3-Methylphenol	108	4.989	4.990	-0.001	85	411450	60.2	
51 4-Methylphenol	108	4.989	4.990	-0.001	86	411450	60.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	98	286734	57.2	
54 Acetophenone	105	4.989	4.990	-0.001	92	455962	48.1	
58 Hexachloroethane	117	5.101	5.102	-0.001	96	150672	53.3	
59 Nitrobenzene	77	5.171	5.172	-0.001	99	432067	56.3	
63 Isophorone	82	5.383	5.384	-0.001	100	713637	52.9	
64 2-Nitrophenol	139	5.483	5.478	0.005	98	220750	58.2	
65 2,4-Dimethylphenol	107	5.506	5.507	-0.001	99	390357	55.3	
68 Benzoic acid	105	5.589	5.619	-0.031	97	258186	62.6	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	98	466368	55.5	
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	97	355152	59.9	
76 1,2,4-Trichlorobenzene	180	5.794	5.795	-0.001	96	363092	55.5	
79 Naphthalene	128	5.882	5.883	-0.001	100	1187827	57.4	
80 4-Chloroaniline	127	5.935	5.936	-0.001	100	341951	36.3	
83 Hexachlorobutadiene	225	5.976	5.977	-0.001	96	190256	55.6	
86 Caprolactam	55	6.270	6.277	-0.007	96	229326	56.8	
89 4-Chloro-3-methylphenol	107	6.417	6.418	-0.001	99	384475	63.4	
93 2-Methylnaphthalene	142	6.564	6.565	-0.001	98	828046	58.1	
96 1-Methylnaphthalene	142	6.670	6.670	0.0	99	788846	58.8	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	97	150981	48.8	
98 1,2,4,5-Tetrachlorobenzene	216	6.734	6.735	-0.001	96	363151	57.7	
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	81	257746	61.4	
102 2,4,5-Trichlorophenol	196	6.910	6.911	-0.001	98	287833	63.5	
104 1,1'-Biphenyl	154	7.028	7.029	-0.001	96	1026703	57.3	
106 2-Chloronaphthalene	162	7.063	7.064	-0.001	99	800970	56.8	
108 2-Nitroaniline	65	7.175	7.176	-0.001	97	290259	59.7	
111 Dimethyl phthalate	163	7.316	7.322	-0.006	99	988072	63.8	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	82	168734	65.1	
113 2,6-Dinitrotoluene	165	7.398	7.405	-0.007	91	234354	63.2	
114 Acenaphthylene	152	7.486	7.487	-0.001	100	1293660	57.1	
115 3-Nitroaniline	138	7.586	7.593	-0.007	97	234778	52.1	
117 Acenaphthene	153	7.657	7.657	0.0	99	860239	58.7	
118 2,4-Dinitrophenol	184	7.692	7.693	-0.001	95	203998	108.7	
119 4-Nitrophenol	109	7.786	7.787	-0.001	98	291903	138.3	
122 2,4-Dinitrotoluene	165	7.809	7.810	-0.001	94	323742	66.8	
123 Dibenzofuran	168	7.827	7.834	-0.007	99	1204001	60.0	
125 2,3,4,6-Tetrachlorophenol	232	7.956	7.957	-0.001	73	229808	65.3	
127 Hexadecane	57	7.986	7.986	0.0	96	612433	55.2	
130 Diethyl phthalate	149	8.015	8.022	-0.007	100	996830	64.4	
134 4-Chlorophenyl phenyl ether	204	8.156	8.157	-0.001	98	457220	61.3	
135 Fluorene	166	8.180	8.180	0.0	100	1022022	61.0	
138 4-Nitroaniline	138	8.215	8.216	-0.001	98	274981	61.5	
139 4,6-Dinitro-2-methylphenol	198	8.227	8.227	0.0	95	338642	118.3	
141 N-Nitrosodiphenylamine	169	8.279	8.280	-0.001	98	787088	62.8	
143 1,2-Diphenylhydrazine	77	8.321	8.321	0.0	97	1032112	62.1	
144 Azobenzene	77	8.321	8.321	0.0	97	1032112	61.4	
147 2,4,6 - Tribromophenol	330	8.432	8.433	-0.001	98	194540	83.8	
156 4-Bromophenyl phenyl ether	248	8.655	8.656	-0.001	98	281167	60.4	
157 Hexachlorobenzene	284	8.732	8.733	-0.001	96	338617	61.5	
159 Atrazine	200	8.797	8.797	-0.001	94	246260	62.6	
161 n-Octadecane	85	8.908	8.909	-0.001	96	238611	59.7	
163 Pentachlorophenol	266	8.938	8.944	-0.006	96	320331	113.1	
168 Phenanthrene	178	9.155	9.161	-0.006	100	1525903	62.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
169 Anthracene	178	9.208	9.208	0.0	100	1510169	60.1	
170 Carbazole	167	9.378	9.379	-0.001	100	1528235	62.5	
173 Di-n-butyl phthalate	149	9.666	9.673	-0.007	100	1691246	63.1	
179 Fluoranthene	202	10.577	10.577	0.0	100	1663843	62.7	
181 Benzidine	184		10.777					
182 Pyrene	202	10.935	10.936	-0.001	99	1711302	63.2	
190 Butyl benzyl phthalate	149	12.046	12.052	-0.006	98	719406	61.1	
195 Bis(2-ethylhexyl) phthalate	149	13.379	13.380	-0.001	98	943787	60.1	
197 3,3'-Dichlorobenzidine	252	13.338	13.345	-0.007	97	386542	39.7	
198 Benzo[a]anthracene	228	13.368	13.368	0.0	99	1583678	61.6	
199 Chrysene	228	13.456	13.462	-0.006	99	1512954	61.9	
201 Di-n-octyl phthalate	149	15.236	15.243	-0.007	99	1395537	53.2	
203 Benzo[b]fluoranthene	252	16.346	16.353	-0.007	96	1465856	63.3	
204 Benzo[k]fluoranthene	252	16.429	16.429	0.0	98	1678459	68.4	
207 Benzo[a]pyrene	252	17.316	17.328	-0.012	97	1436124	62.0	
213 Dibenz(a,h)anthracene	278	20.759	20.771	-0.012	75	1366320	62.8	
214 Indeno[1,2,3-cd]pyrene	276	20.683	20.689	-0.006	67	1282658	55.8	M
215 Benzo[g,h,i]perylene	276	21.446	21.459	-0.013	99	1455804	63.1	

QC Flag Legend

Review Flags
M - Manually Integrated

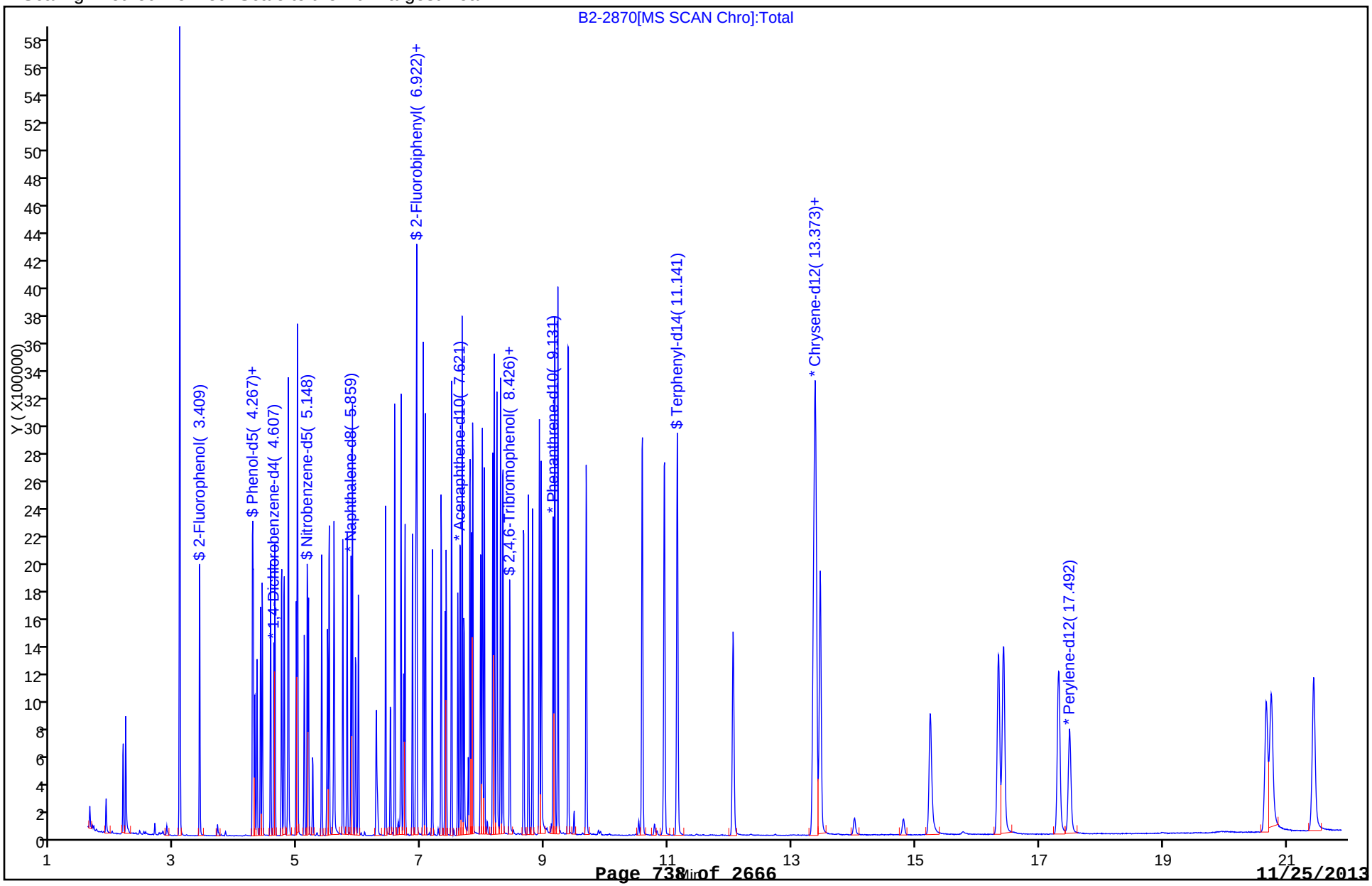
Report Date: 01-Nov-2013 09:55:09 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2870.D

Injection Date:	31-Oct-2013 14:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

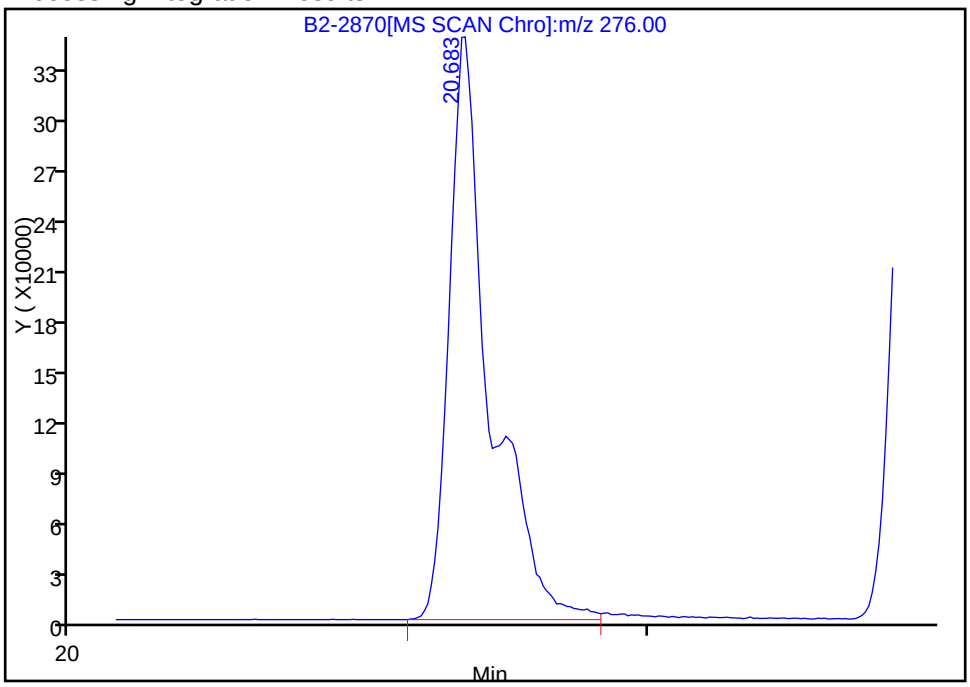
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2870.D		
Injection Date:	31-Oct-2013 14:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

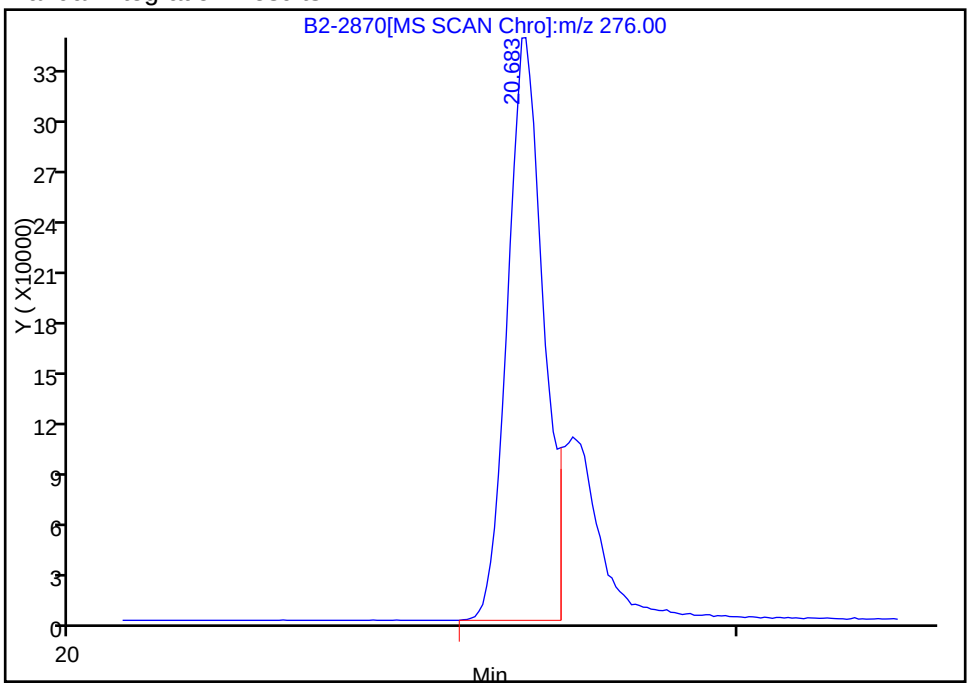
Processing Integration Results

RT: 20.68
Response: 1675662
Amount: 72.869959



Manual Integration Results

RT: 20.68
Response: 1282658
Amount: 55.779289



Reviewer: kiekeld, 31-Oct-2013 14:53:53
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: B2-2880.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 19:06

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	1880		360	180	54
95-94-3	1,2,4,5-Tetrachlorobenzene	1890		360	72	53
120-82-1	1,2,4-Trichlorobenzene	1810		360	36	30
95-50-1	1,2-Dichlorobenzene	1860		360	36	24
122-66-7	1,2-Diphenylhydrazine	2130		360	36	24
541-73-1	1,3-Dichlorobenzene	1810		360	36	13
106-46-7	1,4-Dichlorobenzene	1790		360	36	15
108-60-1	2,2'-oxybis[1-chloropropane]	2050		360	36	25
58-90-2	2,3,4,6-Tetrachlorophenol	2120		1700	180	150
95-95-4	2,4,5-Trichlorophenol	2090		360	140	11
88-06-2	2,4,6-Trichlorophenol	2080		360	71	11
120-83-2	2,4-Dichlorophenol	1980		360	71	11
105-67-9	2,4-Dimethylphenol	1930		360	140	71
51-28-5	2,4-Dinitrophenol	2790		1700	720	360
121-14-2	2,4-Dinitrotoluene	2130		360	140	71
87-65-0	2,6-Dichlorophenol	140	U	360	140	74
606-20-2	2,6-Dinitrotoluene	2050		360	71	30
91-58-7	2-Chloronaphthalene	1860		360	36	11
95-57-8	2-Chlorophenol	1940		360	36	23
91-57-6	2-Methylnaphthalene	1950		360	36	20
95-48-7	2-Methylphenol	2010		360	36	14
88-74-4	2-Nitroaniline	2120		1700	71	54
88-75-5	2-Nitrophenol	1910		360	71	11
15831-10-4	3 & 4 Methylphenol	2080		360	71	36
91-94-1	3,3'-Dichlorobenzidine	1680	J	1700	360	97
99-09-2	3-Nitroaniline	1870		1700	140	79
534-52-1	4,6-Dinitro-2-methylphenol	3380		1700	710	360
101-55-3	4-Bromophenyl phenyl ether	2060		360	36	20
59-50-7	4-Chloro-3-methylphenol	2160		360	140	71
106-47-8	4-Chloroaniline	1520		360	140	88
7005-72-3	4-Chlorophenyl phenyl ether	1990		360	71	23
100-01-6	4-Nitroaniline	2000		1700	140	78
100-02-7	4-Nitrophenol	4420		1700	360	100
83-32-9	Acenaphthene	1920		360	18	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: B2-2880.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 19:06

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	1880		360	36	18
98-86-2	Acetophenone	1620		360	36	22
120-12-7	Anthracene	2040		360	36	18
1912-24-9	Atrazine	2100		360	140	40
100-52-7	Benzaldehyde	72	U	360	72	42
92-87-5	Benzidine	4300	U	4300	4300	1100
56-55-3	Benzo[a]anthracene	2080		360	36	22
50-32-8	Benzo[a]pyrene	2070		360	36	22
205-99-2	Benzo[b]fluoranthene	2140		360	36	28
191-24-2	Benzo[g,h,i]perylene	2010		360	36	17
207-08-9	Benzo[k]fluoranthene	2120		360	71	43
65-85-0	Benzoic acid	1990		1700	710	360
100-51-6	Benzyl alcohol	2030		360	36	11
111-91-1	Bis(2-chloroethoxy)methane	1890		360	71	25
111-44-4	Bis(2-chloroethyl)ether	1990		360	36	18
117-81-7	Bis(2-ethylhexyl) phthalate	2250		360	71	50
85-68-7	Butyl benzyl phthalate	2220		360	71	46
105-60-2	Caprolactam	2150		1700	360	110
86-74-8	Carbazole	2100		360	72	39
218-01-9	Chrysene	2080		360	36	29
53-70-3	Dibenz(a,h)anthracene	2060		360	36	20
132-64-9	Dibenzofuran	1950		360	36	22
84-66-2	Diethyl phthalate	2080		710	36	28
131-11-3	Dimethyl phthalate	2330		360	36	25
84-74-2	Di-n-butyl phthalate	2160		360	36	31
117-84-0	Di-n-octyl phthalate	2210		360	71	16
206-44-0	Fluoranthene	2150		360	71	39
86-73-7	Fluorene	1990		360	36	19
118-74-1	Hexachlorobenzene	1980		360	71	31
87-68-3	Hexachlorobutadiene	1820		360	71	11
77-47-4	Hexachlorocyclopentadiene	1300	J	1800	71	54
67-72-1	Hexachloroethane	1830		360	36	23
193-39-5	Indeno[1,2,3-cd]pyrene	2000	M	360	36	24
78-59-1	Isophorone	1810		360	36	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: B2-2880.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 19:06

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	1890		360	71	33
98-95-3	Nitrobenzene	1920		360	36	24
62-75-9	N-Nitrosodimethylamine	1820		560	71	40
621-64-7	N-Nitrosodi-n-propylamine	2020		360	71	33
86-30-6	N-Nitrosodiphenylamine	2090		360	36	23
930-55-2	N-Nitrosopyrrolidine	140	U	360	140	69
87-86-5	Pentachlorophenol	3880		1700	720	360
85-01-8	Phenanthrene	2100		360	36	18
108-95-2	Phenol	2090		360	36	19
129-00-0	Pyrene	2160		430	36	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	75		35-125
321-60-8	2-Fluorobiphenyl	65		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	68		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2880.D
Lims ID: 280-48486-B-1-B MS
Client ID:
Inject. Date: 31-Oct-2013 19:06:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 280-48486-B-1-BMS
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 17
Lims Batch ID: 198682
Lims Sample ID: 42
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07
Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld
Date: 01-Nov-2013 09:46:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.607	4.609	-0.002	92	216577	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	904033	40.0	
* 3 Acenaphthene-d10	164	7.622	7.623	-0.001	99	556966	40.0	
* 4 Phenanthrene-d10	188	9.132	9.133	-0.001	99	952428	40.0	
* 5 Chrysene-d12	240	13.391	13.387	0.004	88	1040403	40.0	
* 6 Perylene-d12	264	17.492	17.506	-0.014	99	977350	40.0	
$ 7 2-Fluorophenol	112	3.403	3.404	-0.001	96	546214	71.8	
$ 8 Phenol-d5	99	4.261	4.261	0.0	98	720733	73.1	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	95	598990	68.0	
$ 10 2,4,6-Trichlorophenol-d2	198		6.858					
$ 11 2-Fluorobiphenyl	172	6.922	6.923	-0.001	99	1198021	65.3	
$ 12 2,4,6-Tribromophenol	330	8.427	8.433	-0.006	92	196887	75.1	
$ 13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1575787	76.2	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		1.693					
18 2-Ethoxyethanol	59		1.899					
19 1,4-Dioxane	88	1.893	1.899	-0.006	91	95546	29.6	
20 N-Nitrosodimethylamine	74	2.169	2.176	-0.007	96	256394	50.7	
21 Pyridine	79	2.210	2.217	-0.007	96	342261	38.4	
22 Dimethylformamide	73		2.533					
23 2-Picoline	93		2.862					
24 N-Nitrosomethylethylamine	88		2.962					
25 Acrylamide	71		3.214					
26 Methyl methanesulfonate	80		3.238					
27 N-Nitrosodiethylamine	102		3.596					
28 Pentachlorophenol_T	266		3.757					
29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94	4.278	4.279	-0.001	91	590875	58.1	
33 Phenylmercaptan	110		4.261					
34 Aniline	93	4.296	4.302	-0.006	97	422086	33.5	
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93	4.337	4.338	-0.001	52	424990	55.4	
37 Pentachloroethane	117		4.348					
38 n-Decane	43	4.390	4.396	-0.006	96	358245	45.2	
39 2-Chlorophenol	128	4.419	4.420	-0.001	94	437200	54.2	
40 1,3-Dichlorobenzene	146	4.555	4.555	0.0	97	432918	50.4	
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146	4.625	4.626	-0.001	97	442003	50.0	
43 Benzyl alcohol	108	4.731	4.737	-0.006	98	291383	56.6	
44 1,2-Dichlorobenzene	146	4.772	4.778	-0.006	96	432846	51.9	
45 2-Methylphenol	108	4.843	4.843	-0.001	97	409345	56.0	
46 2,2'-oxybis[1-chloropropane]	45	4.837	4.843	-0.006	91	611790	57.0	
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108	4.989	4.990	-0.001	85	447258	58.0	
50 3-Methylphenol	108	4.989	4.990	-0.001	73	447258	58.0	
51 4-Methylphenol	108	4.989	4.990	-0.001	80	447258	58.0	
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	97	319000	56.4	
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105	4.989	4.990	-0.001	90	481859	45.1	
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117	5.101	5.102	-0.001	95	162860	51.0	
59 Nitrobenzene	77	5.166	5.172	-0.006	95	466950	53.5	
60 Triethyl phosphate	99		5.254					
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82	5.383	5.384	-0.001	99	776336	50.5	
64 2-Nitrophenol	139	5.477	5.478	-0.001	92	229796	53.2	
65 2,4-Dimethylphenol	107	5.501	5.507	-0.006	98	431116	53.7	
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105	5.589	5.619	-0.030	96	253806	55.6	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	97	503326	52.6	
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	95	372749	55.2	
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180	5.794	5.795	-0.001	96	375724	50.5	
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					
79 Naphthalene	128	5.882	5.883	-0.001	100	1239322	52.6	
80 4-Chloroaniline	127	5.929	5.936	-0.007	99	455256	42.4	
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225	5.976	5.977	-0.001	96	197358	50.7	
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					
86 Caprolactam	55	6.264	6.277	-0.013	94	275010	59.9	
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107	6.417	6.418	-0.001	98	415586	60.2	
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142	6.564	6.565	-0.001	100	879075	54.2	
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142	6.664	6.670	-0.006	99	821592	53.8	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	97	118642	36.1	
98 1,2,4,5-Tetrachlorobenzene	216	6.729	6.735	-0.006	97	376663	52.6	
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	80	276982	57.9	
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196	6.905	6.911	-0.006	96	300709	58.2	
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154	7.028	7.029	-0.001	96	1069088	52.3	
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					
106 2-Chloronaphthalene	162	7.063	7.064	-0.001	99	833377	51.9	
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65	7.169	7.176	-0.007	94	328035	59.2	
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	99	1146117	64.9	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	84	172162	58.2	
113 2,6-Dinitrotoluene	165	7.398	7.405	-0.007	91	240968	57.0	
114 Acenaphthylene	152	7.486	7.487	-0.001	100	1356142	52.5	
115 3-Nitroaniline	138	7.586	7.593	-0.007	95	267882	52.1	
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					
117 Acenaphthene	153	7.657	7.657	0.0	99	893957	53.5	
118 2,4-Dinitrophenol	184	7.686	7.693	-0.007	89	151433	77.8	
119 4-Nitrophenol	109	7.780	7.787	-0.007	96	296469	123.2	
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165	7.810	7.810	0.0	94	327129	59.2	
123 Dibenzofuran	168	7.827	7.834	-0.007	99	1242694	54.4	
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	-0.001	72	236612	58.9	
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57	7.986	7.986	0.0	96	742773	58.7	
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149	8.015	8.022	-0.007	99	1021895	57.9	
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204	8.156	8.157	-0.001	99	470852	55.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166	8.174	8.180	-0.006	100	1055509	55.3	
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138	8.209	8.216	-0.007	93	283794	55.7	
139 4,6-Dinitro-2-methylphenol	198	8.221	8.227	-0.006	82	292317	94.1	
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169	8.280	8.280	0.0	97	806755	58.2	
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77	8.315	8.321	-0.006	96	1122655	59.2	
144 Azobenzene	77	8.315	8.321	-0.006	96	1122655	58.6	
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330	8.427	8.433	-0.006	92	197851	74.8	
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248	8.650	8.656	-0.006	95	295177	57.3	
157 Hexachlorobenzene	284	8.732	8.733	-0.001	97	336579	55.2	
158 Dimethoate	87		8.755					
159 Atrazine	200	8.797	8.797	0.0	94	254208	58.4	
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					
161 n-Octadecane	85	8.908	8.909	-0.001	95	267443	60.5	
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266	8.938	8.944	-0.006	95	336821	108.0	
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					
167 Dinoseb	211		9.090					
168 Phenanthrene	178	9.155	9.161	-0.006	99	1581387	58.5	
169 Anthracene	178	9.208	9.208	0.0	100	1578231	56.8	
170 Carbazole	167	9.372	9.379	-0.007	100	1585604	58.6	
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149	9.666	9.673	-0.007	100	1781131	60.1	
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202	10.571	10.577	-0.006	99	1756633	59.8	
180 Diphenylsulfone	125		10.196					
181 Benzidine	184	10.771	10.777	-0.006	79	65183	3.99	7
182 Pyrene	202	10.929	10.936	-0.007	96	1789707	60.1	
183 Aramite Peak 1	185		11.052					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149	12.046	12.052	-0.006	98	798324	61.7	
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149	13.374	13.380	-0.006	95	1082129	62.7	
196 4,4'-Methylene bis(2-chloroanili	231		13.344					
197 3,3'-Dichlorobenzidine	252	13.338	13.345	-0.007	95	500707	46.7	
198 Benzo[a]anthracene	228	13.362	13.368	-0.006	99	1637248	57.9	
199 Chrysene	228	13.456	13.462	-0.006	99	1559792	58.0	
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149	15.230	15.243	-0.013	99	1782662	61.5	
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252	16.341	16.353	-0.012	96	1611266	59.6	
204 Benzo[k]fluoranthene	252	16.423	16.429	-0.006	98	1687588	58.9	
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					
207 Benzo[a]pyrene	252	17.316	17.328	-0.012	99	1560374	57.7	
208 Perylene	252		17.610					
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278	20.753	20.771	-0.018	74	1461394	57.5	
214 Indeno[1,2,3-cd]pyrene	276	20.677	20.689	-0.012	62	1405065	55.6	M
215 Benzo[g,h,i]perylene	276	21.447	21.459	-0.012	99	1512129	56.1	
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108				0		114.1	
S 218 Methyl Phenols,Total	108				0		114.1	
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

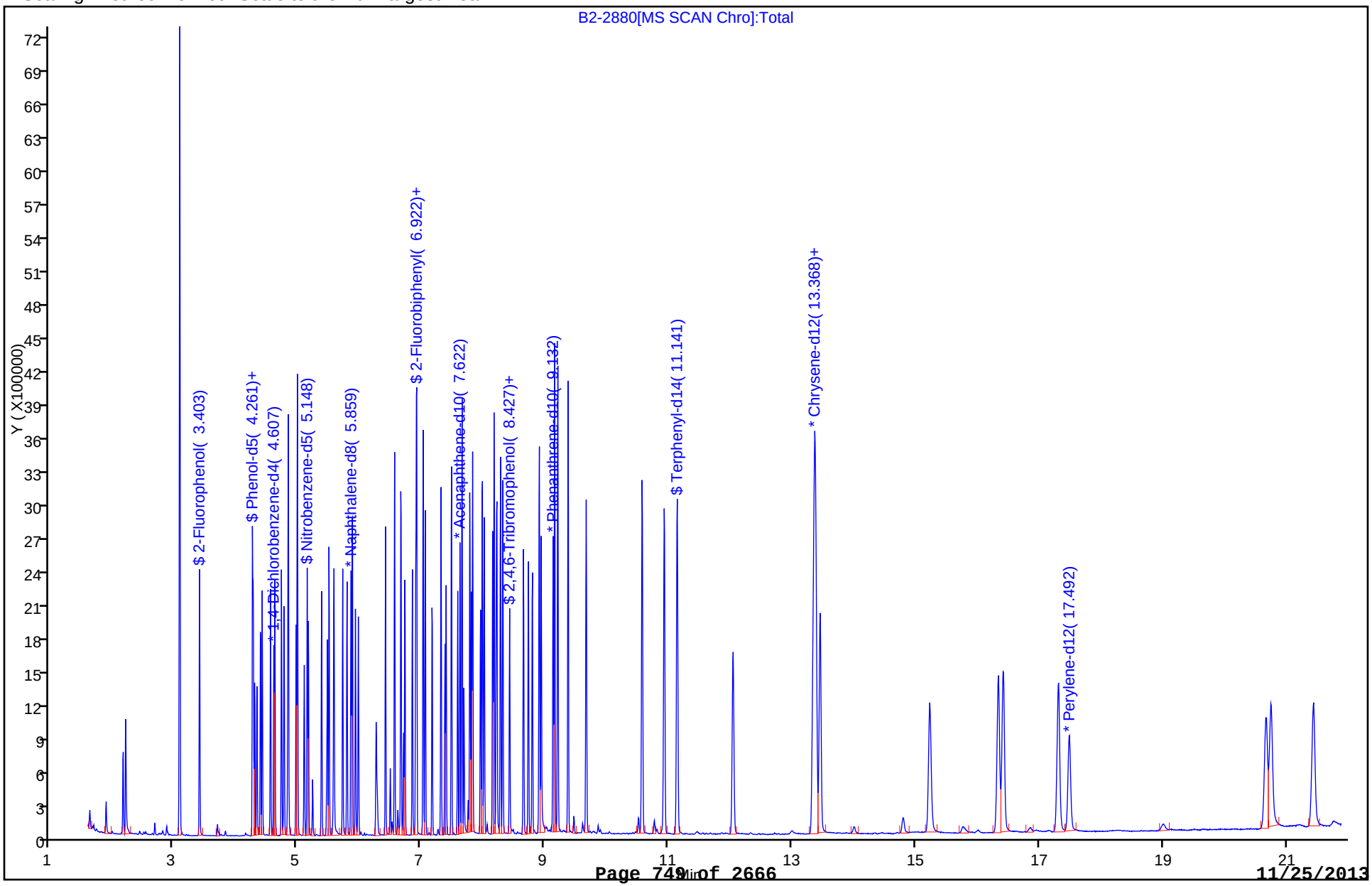
Report Date: 01-Nov-2013 09:55:17 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2880.D

Injection Date:	31-Oct-2013 19:06:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	42
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

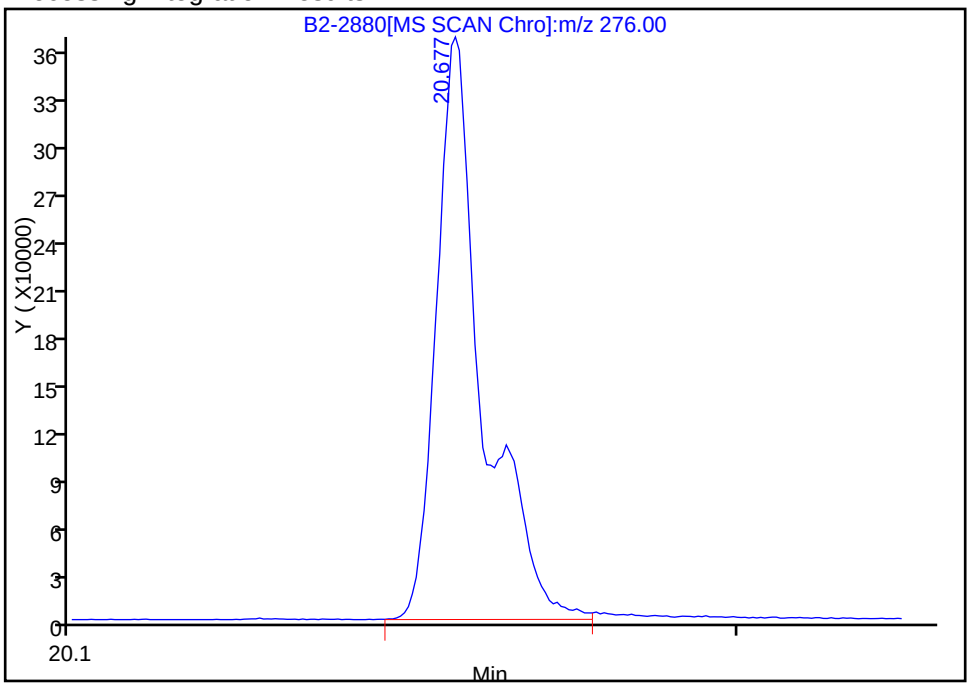
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2880.D		
Injection Date:	31-Oct-2013 19:06:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	42
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

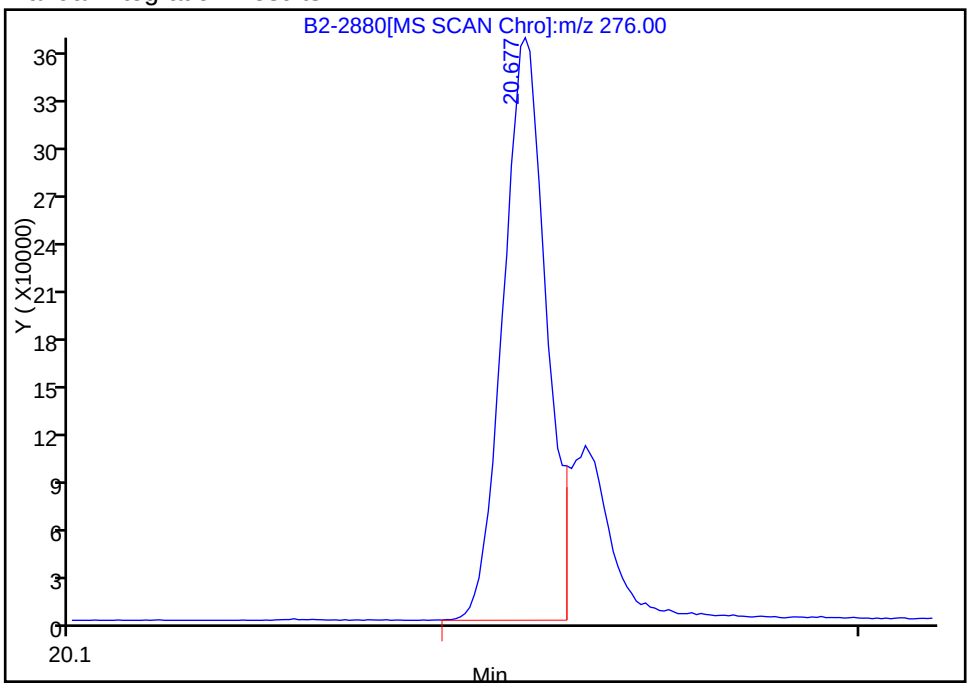
Processing Integration Results

RT: 20.68
Response: 1778321
Amount: 70.353362



Manual Integration Results

RT: 20.68
Response: 1405065
Amount: 55.586729



Reviewer: kiekeld, 01-Nov-2013 09:46:14
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: B2-2881.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 30.3(g) | Date Analyzed: 10/31/2013 19:35

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	1940		360	180	55
95-94-3	1,2,4,5-Tetrachlorobenzene	1960		360	74	54
120-82-1	1,2,4-Trichlorobenzene	1880		360	36	31
95-50-1	1,2-Dichlorobenzene	1880		360	36	24
122-66-7	1,2-Diphenylhydrazine	2210		360	36	24
541-73-1	1,3-Dichlorobenzene	1840		360	36	13
106-46-7	1,4-Dichlorobenzene	1830		360	36	15
108-60-1	2,2'-oxybis[1-chloropropane]	2080		360	36	25
58-90-2	2,3,4,6-Tetrachlorophenol	2220		1800	180	150
95-95-4	2,4,5-Trichlorophenol	2160		360	140	11
88-06-2	2,4,6-Trichlorophenol	2140		360	73	11
120-83-2	2,4-Dichlorophenol	2060		360	73	11
105-67-9	2,4-Dimethylphenol	1980		360	140	73
51-28-5	2,4-Dinitrophenol	3230		1800	740	370
121-14-2	2,4-Dinitrotoluene	2230		360	140	73
87-65-0	2,6-Dichlorophenol	140	U	360	140	76
606-20-2	2,6-Dinitrotoluene	2120		360	73	31
91-58-7	2-Chloronaphthalene	1940		360	36	11
95-57-8	2-Chlorophenol	2030		360	36	23
91-57-6	2-Methylnaphthalene	1980		360	36	21
95-48-7	2-Methylphenol	2080		360	36	14
88-74-4	2-Nitroaniline	2260		1800	73	55
88-75-5	2-Nitrophenol	2030		360	73	11
15831-10-4	3 & 4 Methylphenol	2080		360	73	36
91-94-1	3,3'-Dichlorobenzidine	1810		1800	360	99
99-09-2	3-Nitroaniline	1970		1800	150	80
534-52-1	4,6-Dinitro-2-methylphenol	3780		1800	730	360
101-55-3	4-Bromophenyl phenyl ether	2110		360	36	21
59-50-7	4-Chloro-3-methylphenol	2210		360	140	73
106-47-8	4-Chloroaniline	1510		360	140	90
7005-72-3	4-Chlorophenyl phenyl ether	2090		360	73	23
100-01-6	4-Nitroaniline	2130		1800	140	80
100-02-7	4-Nitrophenol	4700		1800	360	110
83-32-9	Acenaphthene	2000		360	19	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: B2-2881.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 30.3(g) | Date Analyzed: 10/31/2013 19:35

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	1970		360	36	19
98-86-2	Acetophenone	1660		360	36	22
120-12-7	Anthracene	2120		360	36	19
1912-24-9	Atrazine	2250		360	140	41
100-52-7	Benzaldehyde	74	U	360	74	43
92-87-5	Benzidine	4400	U	4400	4400	1100
56-55-3	Benzo[a]anthracene	2200		360	36	22
50-32-8	Benzo[a]pyrene	2160		360	36	22
205-99-2	Benzo[b]fluoranthene	2190		360	36	29
191-24-2	Benzo[g,h,i]perylene	2130		360	36	18
207-08-9	Benzo[k]fluoranthene	2250		360	73	44
65-85-0	Benzoic acid	2040		1800	730	360
100-51-6	Benzyl alcohol	2040		360	36	11
111-91-1	Bis(2-chloroethoxy)methane	1940		360	73	25
111-44-4	Bis(2-chloroethyl)ether	2060		360	36	18
117-81-7	Bis(2-ethylhexyl) phthalate	2340		360	73	51
85-68-7	Butyl benzyl phthalate	2310		360	73	47
105-60-2	Caprolactam	2240		1800	360	120
86-74-8	Carbazole	2200		360	74	40
218-01-9	Chrysene	2200		360	36	30
53-70-3	Dibenz(a,h)anthracene	2170		360	36	21
132-64-9	Dibenzofuran	2040		360	36	22
84-66-2	Diethyl phthalate	2150		730	36	29
131-11-3	Dimethyl phthalate	2380		360	36	25
84-74-2	Di-n-butyl phthalate	2240		360	36	32
117-84-0	Di-n-octyl phthalate	2320		360	73	16
206-44-0	Fluoranthene	2280		360	73	40
86-73-7	Fluorene	2060		360	36	20
118-74-1	Hexachlorobenzene	2080		360	73	32
87-68-3	Hexachlorobutadiene	1870		360	73	11
77-47-4	Hexachlorocyclopentadiene	1270	J	1900	73	55
67-72-1	Hexachloroethane	1840		360	36	23
193-39-5	Indeno[1,2,3-cd]pyrene	2120	M	360	36	24
78-59-1	Isophorone	1860		360	36	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: B2-2881.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 30.3(g) | Date Analyzed: 10/31/2013 19:35

Con. Extract Vol.: 1000(uL) | Dilution Factor: 1

Injection Volume: 0.5(uL) | Level: (low/med) Low

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	1920		360	73	34
98-95-3	Nitrobenzene	1980		360	36	24
62-75-9	N-Nitrosodimethylamine	1870		570	73	41
621-64-7	N-Nitrosodi-n-propylamine	2060		360	73	34
86-30-6	N-Nitrosodiphenylamine	2190		360	36	23
930-55-2	N-Nitrosopyrrolidine	140	U	360	140	71
87-86-5	Pentachlorophenol	3980		1800	740	360
85-01-8	Phenanthrene	2190		360	36	19
108-95-2	Phenol	2160		360	36	20
129-00-0	Pyrene	2290		440	36	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	78		35-125
321-60-8	2-Fluorobiphenyl	67		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	69		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	78		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2881.D
Lims ID: 280-48486-B-1-C MSD
Client ID:
Inject. Date: 31-Oct-2013 19:35:30
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 280-48486-B-1-CMSD
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 18
Lims Batch ID: 198682
Lims Sample ID: 43
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07
Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld
Date: 01-Nov-2013 09:48:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.608	4.609	-0.001	92	214318	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	886367	40.0	
* 3 Acenaphthene-d10	164	7.622	7.623	-0.001	99	540217	40.0	
* 4 Phenanthrene-d10	188	9.132	9.133	-0.001	99	928781	40.0	
* 5 Chrysene-d12	240	13.386	13.387	-0.001	93	1018961	40.0	
* 6 Perylene-d12	264	17.493	17.506	-0.013	97	964482	40.0	
$ 7 2-Fluorophenol	112	3.403	3.404	-0.001	96	541178	71.9	
$ 8 Phenol-d5	99	4.261	4.261	0.0	98	708563	72.7	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	95	594680	68.9	
$ 10 2,4,6-Trichlorophenol-d2	198		6.858					
$ 11 2-Fluorobiphenyl	172	6.923	6.923	0.0	99	1189526	66.8	
$ 12 2,4,6-Tribromophenol	330	8.427	8.433	-0.006	93	199252	78.4	
$ 13 Terphenyl-d14	244	11.135	11.142	-0.007	99	1584631	78.3	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		1.693					
18 2-Ethoxyethanol	59		1.899					
19 1,4-Dioxane	88	1.893	1.899	-0.006	92	93918	29.4	
20 N-Nitrosodimethylamine	74	2.169	2.176	-0.007	98	255134	50.9	
21 Pyridine	79	2.211	2.217	-0.006	94	332149	37.6	
22 Dimethylformamide	73		2.533					
23 2-Picoline	93		2.862					
24 N-Nitrosomethylethylamine	88		2.962					
25 Acrylamide	71		3.214					
26 Methyl methanesulfonate	80		3.238					
27 N-Nitrosodiethylamine	102		3.596					
28 Pentachlorophenol_T	266		3.757					
29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94	4.279	4.279	0.0	91	592588	58.9	
33 Phenylmercaptan	110		4.261					
34 Aniline	93	4.296	4.302	-0.006	97	381882	30.6	
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93	4.337	4.338	-0.001	46	425715	56.1	
37 Pentachloroethane	117		4.348					
38 n-Decane	43	4.390	4.396	-0.006	96	357512	45.6	
39 2-Chlorophenol	128	4.420	4.420	0.0	94	441169	55.2	
40 1,3-Dichlorobenzene	146	4.555	4.555	0.0	97	426193	50.1	
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146	4.625	4.626	-0.001	98	436420	49.9	
43 Benzyl alcohol	108	4.731	4.737	-0.006	98	283301	55.6	
44 1,2-Dichlorobenzene	146	4.772	4.778	-0.006	96	422774	51.3	
45 2-Methylphenol	108	4.843	4.843	0.0	97	408746	56.5	
46 2,2'-oxybis[1-chloropropane]	45	4.837	4.843	-0.006	89	601884	56.7	
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108	4.990	4.990	0.0	85	432573	56.7	
50 3-Methylphenol	108	4.990	4.990	0.0	71	432573	56.7	
51 4-Methylphenol	108	4.990	4.990	0.0	77	432573	56.7	
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	97	313442	56.0	
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105	4.990	4.990	0.0	90	477995	45.2	
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117	5.101	5.102	-0.001	95	158461	50.2	
59 Nitrobenzene	77	5.166	5.172	-0.006	95	462202	54.0	
60 Triethyl phosphate	99		5.254					
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82	5.383	5.384	-0.001	99	762059	50.6	
64 2-Nitrophenol	139	5.477	5.478	-0.001	92	234351	55.3	
65 2,4-Dimethylphenol	107	5.501	5.507	-0.006	98	425592	54.0	
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105	5.589	5.619	-0.030	96	248737	55.5	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	98	495663	52.8	
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	95	371700	56.1	
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180	5.795	5.795	0.0	97	373683	51.2	
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					
79 Naphthalene	128	5.883	5.883	0.0	100	1210724	52.4	
80 4-Chloroaniline	127	5.930	5.936	-0.006	99	432693	41.1	
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225	5.977	5.977	0.0	96	194328	50.9	
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					
86 Caprolactam	55	6.265	6.277	-0.012	92	274308	60.9	
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107	6.417	6.418	-0.001	98	406855	60.1	
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142	6.564	6.565	-0.001	99	856718	53.9	
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142	6.664	6.670	-0.006	99	807366	53.9	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	98	109236	34.6	
98 1,2,4,5-Tetrachlorobenzene	216	6.729	6.735	-0.006	99	374770	53.4	
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	81	270913	58.4	
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196	6.905	6.911	-0.006	95	295498	58.9	
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154	7.028	7.029	-0.001	96	1049848	53.0	
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					
106 2-Chloronaphthalene	162	7.064	7.064	0.0	99	822449	52.8	
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65	7.169	7.176	-0.007	94	331206	61.6	
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	98	1110309	64.8	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	84	172796	60.3	
113 2,6-Dinitrotoluene	165	7.399	7.405	-0.006	90	237008	57.8	
114 Acenaphthylene	152	7.487	7.487	0.0	100	1341141	53.5	
115 3-Nitroaniline	138	7.587	7.593	-0.006	95	267475	53.6	
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					
117 Acenaphthene	153	7.657	7.657	0.0	99	883004	54.5	
118 2,4-Dinitrophenol	184	7.686	7.693	-0.007	89	172881	88.0	
119 4-Nitrophenol	109	7.780	7.787	-0.007	96	298913	128.1	
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165	7.810	7.810	0.0	94	326004	60.8	
123 Dibenzofuran	168	7.827	7.834	-0.007	99	1229024	55.4	
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	0.0	71	234960	60.3	
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57	7.980	7.986	-0.006	96	733566	59.8	
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149	8.015	8.022	-0.007	99	1001650	58.6	
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204	8.156	8.157	-0.001	99	468082	56.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166	8.174	8.180	-0.006	100	1036391	56.0	
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138	8.209	8.216	-0.007	92	285936	57.9	
139 4,6-Dinitro-2-methylphenol	198	8.221	8.227	-0.006	85	314237	102.9	
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169	8.280	8.280	0.0	97	804595	59.6	
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77	8.315	8.321	-0.006	96	1106303	60.2	
144 Azobenzene	77	8.315	8.321	-0.006	96	1106303	59.5	
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330	8.427	8.433	-0.006	93	199185	77.6	
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248	8.650	8.656	-0.006	95	288732	57.5	
157 Hexachlorobenzene	284	8.732	8.733	-0.001	97	337285	56.8	
158 Dimethoate	87		8.755					
159 Atrazine	200	8.797	8.797	0.0	94	259702	61.2	
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					
161 n-Octadecane	85	8.909	8.909	0.0	96	264657	61.4	
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266	8.938	8.944	-0.006	95	329859	108.4	
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					
167 Dinoseb	211		9.090					
168 Phenanthrene	178	9.155	9.161	-0.006	99	1572626	59.7	
169 Anthracene	178	9.208	9.208	0.0	100	1565239	57.8	
170 Carbazole	167	9.373	9.379	-0.006	99	1580509	59.9	
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149	9.666	9.673	-0.007	100	1761664	60.9	
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202	10.571	10.577	-0.006	99	1775442	62.0	
180 Diphenylsulfone	125		10.196					
181 Benzidine	184	10.771	10.777	-0.006	83	57234	3.58	7
182 Pyrene	202	10.930	10.936	-0.006	99	1817696	62.4	
183 Aramite Peak 1	185		11.052					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149	12.046	12.052	-0.006	99	797756	63.0	
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149	13.374	13.380	-0.006	95	1077637	63.7	
196 4,4'-Methylene bis(2-chloroanili	231		13.344					
197 3,3'-Dichlorobenzidine	252	13.333	13.345	-0.012	97	516984	49.3	
198 Benzo[a]anthracene	228	13.362	13.368	-0.006	99	1657163	59.9	
199 Chrysene	228	13.456	13.462	-0.006	99	1575341	59.8	
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149	15.231	15.243	-0.012	99	1790186	63.1	
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252	16.341	16.353	-0.012	97	1593480	59.7	
204 Benzo[k]fluoranthene	252	16.417	16.429	-0.012	96	1732664	61.3	
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					
207 Benzo[a]pyrene	252	17.310	17.328	-0.018	97	1571959	58.9	
208 Perylene	252		17.610					
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278	20.759	20.771	-0.012	75	1479430	59.0	
214 Indeno[1,2,3-cd]pyrene	276	20.677	20.689	-0.012	70	1429897	57.8	M
215 Benzo[g,h,i]perylene	276	21.447	21.459	-0.012	99	1541694	58.0	
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108				0		113.3	
S 218 Methyl Phenols,Total	108				0		113.3	
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

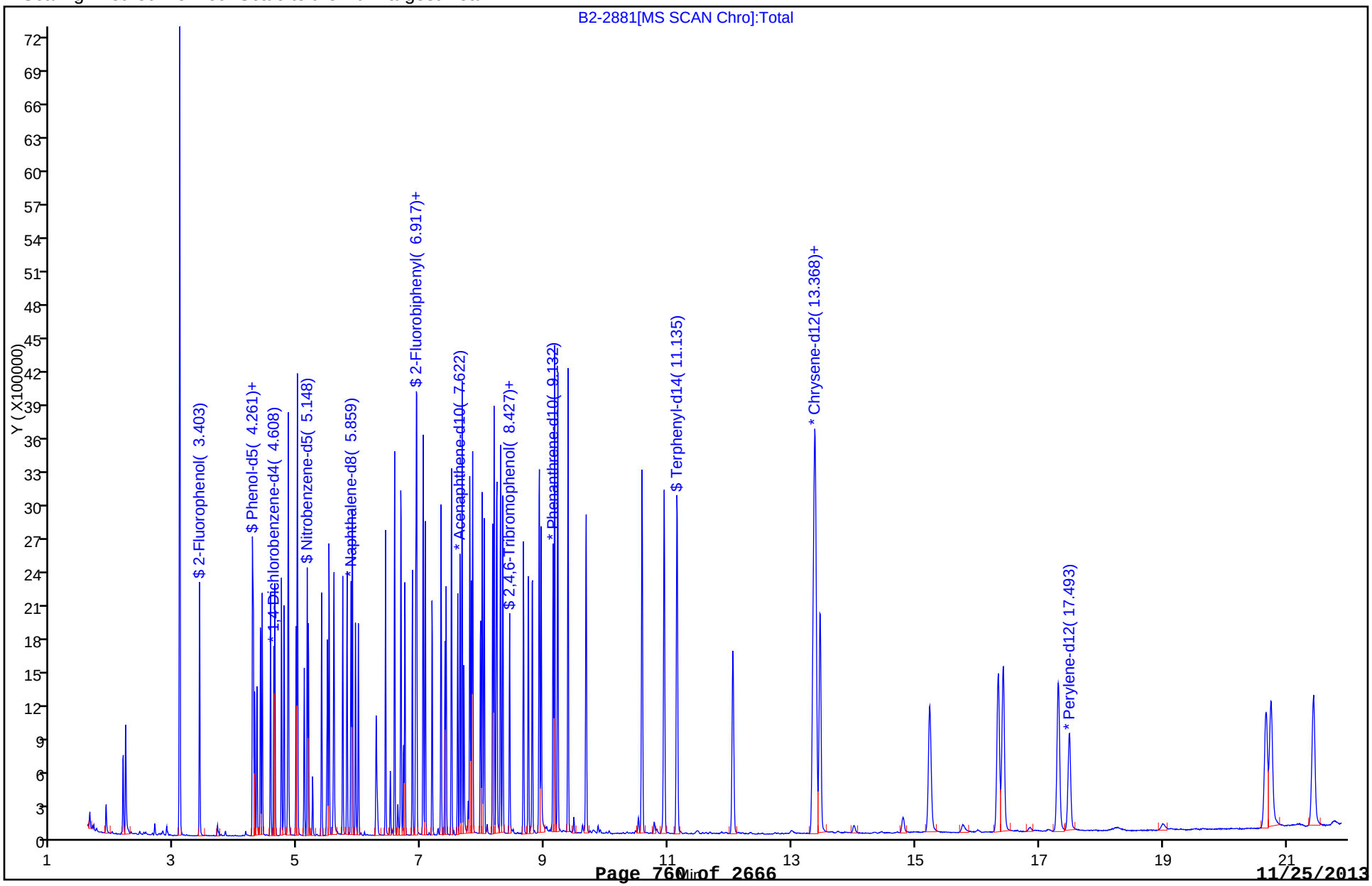
Report Date: 01-Nov-2013 09:55:17 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2881.D

Injection Date:	31-Oct-2013 19:35:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	43
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

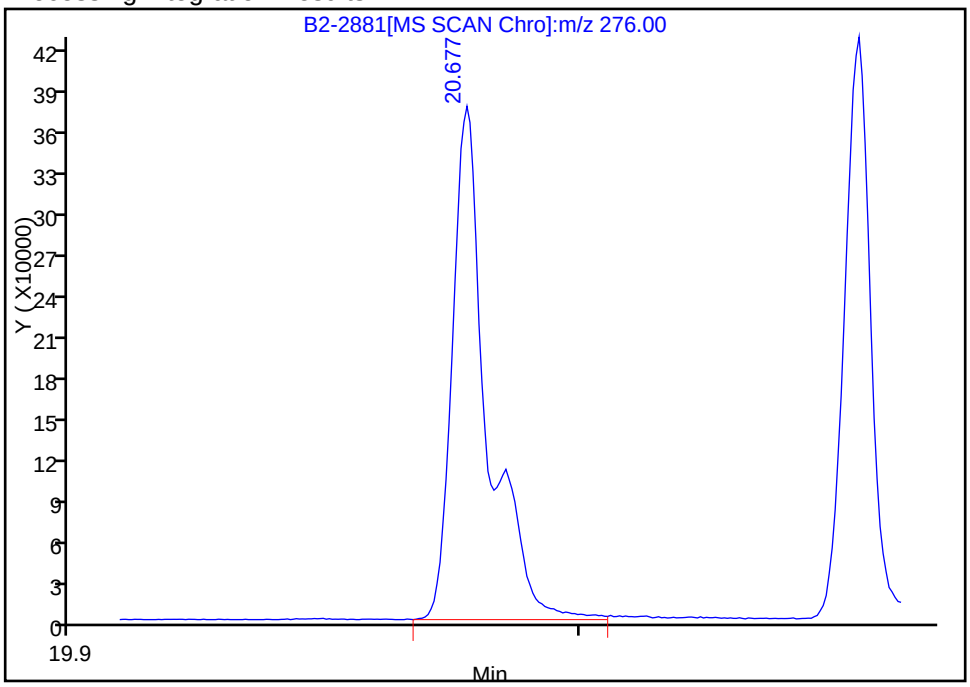
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2881.D		
Injection Date:	31-Oct-2013 19:35:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	43
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

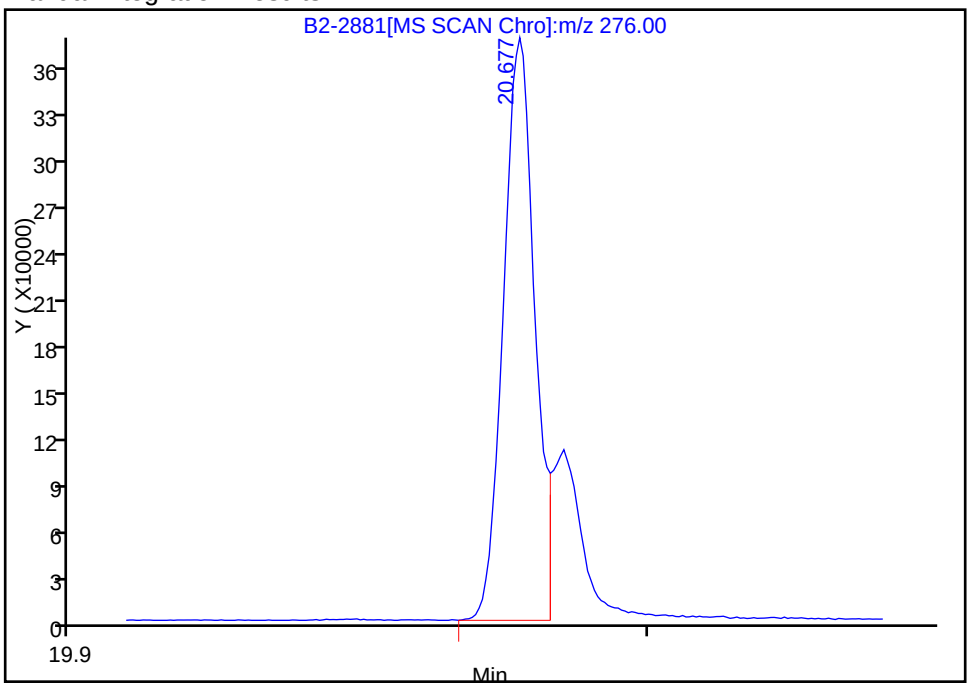
Processing Integration Results

RT: 20.68
Response: 1817994
Amount: 73.436367



Manual Integration Results

RT: 20.68
Response: 1429897
Amount: 57.759509



Reviewer: kiekeld, 01-Nov-2013 09:48:13
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/22/2013 07:38

Analysis Batch Number: 197081 End Date: 10/22/2013 12:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-197081/2		10/22/2013 07:38	1	B2-2654.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-197081/25		10/22/2013 07:51	1	B2-2655.D	Vf-5MS (30.25) 0.25(mm)
STD004 280-197081/26 IC		10/22/2013 08:21	1	B2-2656.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-197081/27 IC		10/22/2013 08:51	1	B2-2657.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-197081/28 IC		10/22/2013 09:22	1	B2-2658.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-197081/29 IC		10/22/2013 09:52	1	B2-2659.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-197081/30 IC		10/22/2013 10:22	1	B2-2660.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-197081/31 IC		10/22/2013 10:53	1	B2-2661.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-197081/32 IC		10/22/2013 11:23	1	B2-2662.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197081/33		10/22/2013 11:54	1	B2-2663.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197081/34		10/22/2013 12:24	1	B2-2664.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197081/35		10/22/2013 12:55	1	B2-2665.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/22/2013 13:21

Analysis Batch Number: 197087 End Date: 10/22/2013 17:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-197087/14		10/22/2013 13:21	1	B2-2666.D	Vf-5MS (30.25) 0.25(mm)
STD080 280-197087/15 IC		10/22/2013 13:34	1	B2-2667.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-197087/16 IC		10/22/2013 14:03	1	B2-2668.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-197087/17 IC		10/22/2013 14:32	1	B2-2669.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-197087/18 IC		10/22/2013 15:01	1	B2-2670.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-197087/19 IC		10/22/2013 15:30	1	B2-2671.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-197087/20 IC		10/22/2013 15:58	1	B2-2672.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-197087/21 IC		10/22/2013 16:27	1	B2-2673.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197087/22		10/22/2013 16:55	1	B2-2674.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197087/23		10/22/2013 17:24	1	B2-2675.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197087/24		10/22/2013 17:52	1	B2-2676.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/22/2013 13:21

Analysis Batch Number: 197309 End Date: 10/22/2013 21:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-197309/14		10/22/2013 13:21	1	B2-2666.D	Vf-5MS (30.25) 0.25(mm)
STD080 280-197309/25 IC		10/22/2013 18:21	1	B2-2677.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-197309/26 IC		10/22/2013 18:47	1	B2-2678.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-197309/27 IC		10/22/2013 19:13	1	B2-2679.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-197309/28 IC		10/22/2013 19:39	1	B2-2680.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-197309/29 IC		10/22/2013 20:05	1	B2-2681.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-197309/30 IC		10/22/2013 20:31	1	B2-2682.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-197309/31 IC		10/22/2013 20:57	1	B2-2683.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197309/32		10/22/2013 21:23	1	B2-2684.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/31/2013 11:13

Analysis Batch Number: 198682 End Date: 10/31/2013 23:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-198682/2		10/31/2013 11:13	1	B2-2863.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-198682/3		10/31/2013 11:26	1	B2-2864.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-198682/28		10/31/2013 11:56	1	B2-2865.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-198682/29		10/31/2013 12:24	1	B2-2866.D	Vf-5MS (30.25) 0.25(mm)
MB 280-198371/1-A		10/31/2013 13:15	1	B2-2868.D	Vf-5MS (30.25) 0.25(mm)
IC 280-198682/30		10/31/2013 13:45	1		Vf-5MS (30.25) 0.25(mm)
LCS 280-198371/2-A		10/31/2013 14:10	1	B2-2870.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 14:40	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 15:09	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 15:39	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 16:08	10		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 16:38	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 17:07	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 17:37	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 18:07	1		Vf-5MS (30.25) 0.25(mm)
280-48486-1	AOI474BF	10/31/2013 18:36	1	B2-2879.D	Vf-5MS (30.25) 0.25(mm)
280-48486-1 MS	AOI474BF MS	10/31/2013 19:06	1	B2-2880.D	Vf-5MS (30.25) 0.25(mm)
280-48486-1 MSD	AOI474BF MSD	10/31/2013 19:35	1	B2-2881.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 20:05	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 20:34	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 21:04	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 21:34	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 22:03	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 22:33	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 23:02	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist
Denver

TestAmerica

Instrument ID and Date: **B2 HSL/AP9/BZHD/HEX 103113**

Check Method Used: Analysis ☐ 625 ☒ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	X			✓	
4. Does %D meet criteria for non-CCC compounds?	X			✓	
5. Isomeric pairs checked for correct peak assignment?	X			✓	
6. Standards traceability properly documented?	X			✓	
7. Manual integrations documented and checked?	X			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	X			✓	

1st Level Reviewer: _____ Date: 11/01/13

2nd Level Reviewer: MMA Date: 11/1/13

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11/25/2013

Injection Log

Directory: C:\HPCHEM\1\DATA\103113.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B2-2862.D	1.	RINSE		31 Oct 2013 10:52
2	1	B2-2863.D	1.	DFTPP		31 Oct 2013 11:13
3	2	B2-2864.D	1.	CCV HSL		31 Oct 2013 11:26
4	3	B2-2865.D	1.	CCV AP9		31 Oct 2013 11:56
5	4	B2-2866.D	1.	CCV BZHD		31 Oct 2013 12:24
6	5	B2-2867.D	1.	IC HEX extra vial not used		31 Oct 2013 12:50
7	6	B2-2868.D	1.	MB280-198371_1-A		31 Oct 2013 13:15
8	1	B2-2869.D	1.	IC HEX		31 Oct 2013 13:45
9	7	B2-2870.D	1.	LCS280-198371_2-A		31 Oct 2013 14:10
10	8	B2-2871.D	1.	MB280-198070_1-A		31 Oct 2013 14:40
11	9	B2-2872.D	1.	LCS280-198070_2-A		31 Oct 2013 15:09
12	10	B2-2873.D	1.	LCSD280-198070_3-A		31 Oct 2013 15:39
13	11	B2-2874.D	1.	280-48496-C-1		31 Oct 2013 16:08
14	12	B2-2875.D	1.	280-48357-C-1-A		31 Oct 2013 16:38
15	13	B2-2876.D	1.	280-48357-C-2-O		31 Oct 2013 17:07
16	14	B2-2877.D	1.	280-48357-C-3-A		31 Oct 2013 17:37
17	15	B2-2878.D	1.	280-48357-C-4-A		31 Oct 2013 18:07
18	16	B2-2879.D	1.	280-48486-B-1-A		31 Oct 2013 18:36
19	17	B2-2880.D	1.	280-48486-B-1-BMS		31 Oct 2013 19:06
20	18	B2-2881.D	1.	280-48486-B-1-CMSD		31 Oct 2013 19:35
21	19	B2-2882.D	1.	280-48207-A-4-A		31 Oct 2013 20:05
22	20	B2-2883.D	1.	280-48207-A-5-A		31 Oct 2013 20:34
23	21	B2-2884.D	1.	280-48281-A-3-A		31 Oct 2013 21:04
24	22	B2-2885.D	1.	280-48281-B-5-A		31 Oct 2013 21:34
25	23	B2-2886.D	1.	280-48281-A-7-A		31 Oct 2013 22:03
26	24	B2-2887.D	1.	280-48281-B-9-A		31 Oct 2013 22:33
27	25	B2-2888.D	1.	280-48281-B-11-A		31 Oct 2013 23:02
28	98	B2-2889.D	1.	RINSE		31 Oct 2013 23:32
29	99	B2-2890.D	1.	RINSE		1 Nov 2013 00:02
30	100	B2-2891.D	1.	RINSE		1 Nov 2013 00:32
31	98	B2-2892.D	1.	RINSE		1 Nov 2013 01:01
32	99	B2-2893.D	1.	RINSE		1 Nov 2013 01:31
33	100	B2-2894.D	1.	RINSE		1 Nov 2013 02:00

11/01/13

Diluent Solvent Lot# NA.

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: replaced septa, liner, seal, washer, ferrule, cleaned port, cut 10cm col. 11013

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: B2 AP9 102213
Calibration Event 16010 Batch 197087

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the CHROM source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			X	NA	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?			X	NA	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?	X			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.		X		→	Isosafrole(Total)= 188.70%R

1st Level Reviewer: _____ Date: 10/23/13

2nd Level Reviewer: _____ Date: 10/23/13

Directory: C:\HPCHEM\1\DATA\102213B

Line	Vial	FileName	Multiplier	SampleName	MiscInfo	Injected
1	100	B2-2652.D	1.	RINSE		22 Oct 2013 07:05
2	1	B2-2653.D	1.	DFTPP		22 Oct 2013 07:05
3	1	B2-2654.D	1.	DFTPP		22 Oct 2013 07:27
4	2	B2-2655.D	1.	ICIS HSL		22 Oct 2013 07:38
5	3	B2-2656.D	1.	STD0004 HSL		22 Oct 2013 07:38
6	4	B2-2657.D	1.	STD010 HSL		22 Oct 2013 07:51
7	5	B2-2658.D	1.	STD020 HSL		22 Oct 2013 08:21
8	6	B2-2659.D	1.	STD050 HSL		22 Oct 2013 08:21
9	7	B2-2660.D	1.	STD120 HSL		22 Oct 2013 08:51
10	8	B2-2661.D	1.	STD160 HSL		22 Oct 2013 08:51
11	9	B2-2662.D	1.	STD200 HSL		22 Oct 2013 09:22
12	10	B2-2663.D	1.	ICV HSL 1		22 Oct 2013 09:22
13	11	B2-2664.D	1.	ICV HSL 2		22 Oct 2013 09:52
14	12	B2-2665.D	1.	ICV FAM		22 Oct 2013 09:52
15	13	B2-2666.D	1.	DFTPP		22 Oct 2013 10:22
16	14	B2-2667.D	1.	STD080 AP9		22 Oct 2013 10:22
17	15	B2-2668.D	1.	STD010 AP9		22 Oct 2013 10:53
18	16	B2-2669.D	1.	STD020 AP9		22 Oct 2013 10:53
19	17	B2-2670.D	1.	STD050 AP9		22 Oct 2013 11:23
20	18	B2-2671.D	1.	STD120 AP9		22 Oct 2013 11:23
21	19	B2-2672.D	1.	STD160 AP9		22 Oct 2013 11:54
22	20	B2-2673.D	1.	STD200 AP9		22 Oct 2013 11:54
23	21	B2-2674.D	1.	ICV AP9 1		22 Oct 2013 12:24
24	22	B2-2675.D	1.	ICV AP9 2		22 Oct 2013 12:24
25	23	B2-2676.D	1.	ICV AP9 3		22 Oct 2013 12:55
26	24	B2-2677.D	1.	STD080 BZHD		22 Oct 2013 12:55
27	25	B2-2678.D	1.	STD010 BZHD		22 Oct 2013 13:25
28	26	B2-2679.D	1.	STD020 BZHD		22 Oct 2013 13:25
29	27	B2-2680.D	1.	STD050 BZHD		22 Oct 2013 13:56
30	28	B2-2681.D	1.	STD120 BZHD		22 Oct 2013 13:56
31	29	B2-2682.D	1.	STD160 BZHD		22 Oct 2013 14:27
32	30	B2-2683.D	1.	STD200 BZHD		22 Oct 2013 14:27
33	31	B2-2684.D	1.	ICV BZHD		22 Oct 2013 14:58
34	32	B2-2685.D	1.	STD080 PHE		22 Oct 2013 14:58
35	33	B2-2686.D	1.	STD010 PHE		22 Oct 2013 15:01
36	34	B2-2687.D	1.	STD020 PHE		22 Oct 2013 15:30
37	35	B2-2688.D	1.	STD050 PHE		22 Oct 2013 15:30
38	36	B2-2689.D	1.	STD120 PHE		22 Oct 2013 15:58
39	37	B2-2690.D	1.	STD160 PHE		22 Oct 2013 15:58
40	38	B2-2691.D	1.	STD200 PHE		22 Oct 2013 16:27
41	39	B2-2692.D	1.	ICV PHE		22 Oct 2013 16:27
						22 Oct 2013 16:55
						22 Oct 2013 16:55
						22 Oct 2013 17:24
						22 Oct 2013 17:24
						22 Oct 2013 17:52
						22 Oct 2013 17:52
						22 Oct 2013 18:21
						22 Oct 2013 18:21
						22 Oct 2013 18:47
						22 Oct 2013 19:13
						22 Oct 2013 19:13
						22 Oct 2013 19:39
						22 Oct 2013 19:39
						22 Oct 2013 20:05
						22 Oct 2013 20:05
						22 Oct 2013 20:31
						22 Oct 2013 20:31
						22 Oct 2013 20:57
						22 Oct 2013 20:57
						22 Oct 2013 21:23
						22 Oct 2013 21:23
						22 Oct 2013 21:49
						22 Oct 2013 21:49
						22 Oct 2013 22:15
						22 Oct 2013 22:15
						22 Oct 2013 22:41
						22 Oct 2013 22:41
						22 Oct 2013 23:07
						22 Oct 2013 23:07
						22 Oct 2013 23:32
						22 Oct 2013 23:32
						22 Oct 2013 23:58
						22 Oct 2013 23:58
						23 Oct 2013 00:24
						23 Oct 2013 00:24
						23 Oct 2013 00:50
						23 Oct 2013 00:50

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11/25/2013

Diluent Solvent Lot #: _____

Circle: SOP: DV-MS-00111 (8270C/6250) or DV-MS-00002 (PAH SIM) or DV-MS-00005 (PAH for CSLP)

Daily Maintenance Performed: replaced septa, liner, seal, washer, ferrule, cleaned port, Bet 3 cut 92

92

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: **B2 Benzaldehyde 102213**
Calibration Event 16011 Batch 197309

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the CHROM source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?	X			✓	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?			X	NA	
9. Isomeric pairs checked for correct peak assignment?			X	NA	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?			X	NA	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X			✓	

1st Level Reviewer: _____ Date: 10/23/13

2nd Level Reviewer: MH Date: 10/23/13

Directory: C:\HPCHEM\1\DATA\102213\B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	B2-2652.D	1.	RINSE		22 Oct 2013 07:05
2	1	B2-2653.D	1.	DFTPP		22 Oct 2013 07:27
3	1	B2-2654.D	1.	DFTPP		22 Oct 2013 07:38
4	2	B2-2655.D	1.	ICIS HSL		22 Oct 2013 07:51
5	3	B2-2656.D	1.	STD004 HSL		22 Oct 2013 08:21
6	4	B2-2657.D	1.	STD010 HSL		22 Oct 2013 08:51
7	5	B2-2658.D	1.	STD020 HSL		22 Oct 2013 09:22
8	6	B2-2659.D	1.	STD050 HSL		22 Oct 2013 09:52
9	7	B2-2660.D	1.	STD120 HSL		22 Oct 2013 10:22
10	8	B2-2661.D	1.	STD160 HSL		22 Oct 2013 10:53
11	9	B2-2662.D	1.	STD200 HSL		22 Oct 2013 11:23
12	10	B2-2663.D	1.	ICV HSL 1		22 Oct 2013 11:54
13	11	B2-2664.D	1.	ICV HSL 2		22 Oct 2013 12:24
14	12	B2-2665.D	1.	ICV FAM		22 Oct 2013 12:55
15	13	B2-2666.D	1.	DFTPP		22 Oct 2013 13:21
16	14	B2-2667.D	1.	STD080 AP9		22 Oct 2013 13:34
17	15	B2-2668.D	1.	STD010 AP9		22 Oct 2013 14:03
18	16	B2-2669.D	1.	STD020 AP9		22 Oct 2013 14:32
19	17	B2-2670.D	1.	STD050 AP9		22 Oct 2013 15:01
20	18	B2-2671.D	1.	STD120 AP9		22 Oct 2013 15:30
21	19	B2-2672.D	1.	STD160 AP9		22 Oct 2013 15:58
22	20	B2-2673.D	1.	STD200 AP9		22 Oct 2013 16:27
23	21	B2-2674.D	1.	ICV AP9 1		22 Oct 2013 16:56
24	22	B2-2675.D	1.	ICV AP9 2		22 Oct 2013 17:24
25	23	B2-2676.D	1.	ICV AP9 3		22 Oct 2013 17:52
26	24	B2-2677.D	1.	STD080 BZHD		22 Oct 2013 18:21
27	25	B2-2678.D	1.	STD010 BZHD		22 Oct 2013 18:47
28	26	B2-2679.D	1.	STD020 BZHD		22 Oct 2013 19:13
29	27	B2-2680.D	1.	STD050 BZHD		22 Oct 2013 19:39
30	28	B2-2681.D	1.	STD120 BZHD		22 Oct 2013 20:05
31	29	B2-2682.D	1.	STD160 BZHD		22 Oct 2013 20:31
32	30	B2-2683.D	1.	STD200 BZHD		22 Oct 2013 20:57
33	31	B2-2684.D	1.	ICV BZHD		22 Oct 2013 21:23
34	32	B2-2685.D	1.	STD080 PHE		22 Oct 2013 21:49
35	33	B2-2686.D	1.	STD010 PHE		22 Oct 2013 22:15
36	34	B2-2687.D	1.	STD020 PHE		22 Oct 2013 22:41
37	35	B2-2688.D	1.	STD050 PHE		22 Oct 2013 23:07
38	36	B2-2689.D	1.	STD120 PHE		22 Oct 2013 23:32
39	37	B2-2690.D	1.	STD160 PHE		22 Oct 2013 23:58
40	38	B2-2691.D	1.	STD200 PHE		23 Oct 2013 00:24
41	39	B2-2692.D	1.	ICV PHE		23 Oct 2013 00:50
42		B2-2693.D	1.			

Diluent Solvent Lot #: _____

Circle: SOP: DW-MS-00111 (8270C/625) or DW-MS-00002 (PAH SIM) or DW-MS-00005 (PAH for CSLP)

Daily Maintenance Performed: _____

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: B2 HSL 102213
Calibration Event 16008 Batch 197081

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the CHROM source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			X	NA	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	X			✓	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?	X			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X				

1st Level Reviewer: _____ Date: 10/23/13

2nd Level Reviewer: _____ Date: 10/23/13

Revision 0
09/28/2010
G:\QA\Edit\Forms\GCMS SVOA ICAL

Directory: C:\HPCHEM\1\DATA\1022313.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B2-2652.D	1.	RINSE		22 Oct 2013 07:05
2	1	B2-2653.D	1.	DFTPP		22 Oct 2013 07:27
3	1	B2-2654.D	1.	DFTPP		22 Oct 2013 07:38
4	2	B2-2655.D	1.	ICIS HSL		22 Oct 2013 07:51
5	3	B2-2656.D	1.	STD004 HSL		22 Oct 2013 08:21
6	4	B2-2657.D	1.	STD010 HSL		22 Oct 2013 08:51
7	5	B2-2658.D	1.	STD020 HSL		22 Oct 2013 09:22
8	6	B2-2659.D	1.	STD050 HSL		22 Oct 2013 09:52
9	7	B2-2660.D	1.	STD120 HSL		22 Oct 2013 10:22
10	8	B2-2661.D	1.	STD160 HSL		22 Oct 2013 10:53
11	9	B2-2662.D	1.	STD200 HSL		22 Oct 2013 11:23
12	10	B2-2663.D	1.	ICV HSL 1		22 Oct 2013 11:54
13	11	B2-2664.D	1.	ICV HSL 2		22 Oct 2013 12:24
14	12	B2-2665.D	1.	ICV FAM		22 Oct 2013 12:55
15	13	B2-2666.D	1.	DFTPP		22 Oct 2013 13:21
16	14	B2-2667.D	1.	STD080 AP9		22 Oct 2013 13:34
17	15	B2-2668.D	1.	STD010 AP9		22 Oct 2013 14:03
18	16	B2-2669.D	1.	STD020 AP9		22 Oct 2013 14:32
19	17	B2-2670.D	1.	STD050 AP9		22 Oct 2013 15:01
20	18	B2-2671.D	1.	STD120 AP9		22 Oct 2013 15:30
21	19	B2-2672.D	1.	STD160 AP9		22 Oct 2013 15:58
22	20	B2-2673.D	1.	STD200 AP9		22 Oct 2013 16:27
23	21	B2-2674.D	1.	ICV AP9 1		22 Oct 2013 16:55
24	22	B2-2675.D	1.	ICV AP9 2		22 Oct 2013 17:24
25	23	B2-2676.D	1.	ICV AP9 3		22 Oct 2013 17:52
26	24	B2-2677.D	1.	STD080 BZHD		22 Oct 2013 18:21
27	25	B2-2678.D	1.	STD010 BZHD		22 Oct 2013 18:47
28	26	B2-2679.D	1.	STD020 BZHD		22 Oct 2013 19:13
29	27	B2-2680.D	1.	STD050 BZHD		22 Oct 2013 19:39
30	28	B2-2681.D	1.	STD120 BZHD		22 Oct 2013 20:05
31	29	B2-2682.D	1.	STD160 BZHD		22 Oct 2013 20:31
32	30	B2-2683.D	1.	STD200 BZHD		22 Oct 2013 20:57
33	31	B2-2684.D	1.	ICV BZHD		22 Oct 2013 21:23
34	32	B2-2685.D	1.	STD080 PHE		22 Oct 2013 21:49
35	33	B2-2686.D	1.	STD010 PHE		22 Oct 2013 22:15
36	34	B2-2687.D	1.	STD020 PHE		22 Oct 2013 22:41
37	35	B2-2688.D	1.	STD050 PHE		22 Oct 2013 23:07
38	36	B2-2689.D	1.	STD120 PHE		22 Oct 2013 23:32
39	37	B2-2690.D	1.	STD160 PHE		22 Oct 2013 23:58
40	38	B2-2691.D	1.	STD200 PHE		23 Oct 2013 00:24
41	39	B2-2692.D	1.	ICV PHE		23 Oct 2013 00:50

Diluent Solvent Lot# [illegible]

Circle: SOP: DV-MS-0011 (8270C/625)) or DV-MS-00002 ((PAH SIM)) or DV-MS-00005 (PAH for CSLP))

Daily Maintenance Performed: [illegible] 92

[illegible]

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11/25/2013

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198371 Batch Start Date: 10/29/13 21:40 Batch Analyst: Jones, Brad W

Batch Method: 3550C Batch End Date: 10/30/13 09:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	8270_LCS_Main 00004	8270_LCS_Supp 00025	8270Surrogate 00064
MB 280-198371/1		3550C, 8270D/DoD		CALC NOT SET TO RUN	32.8 g	1000 uL			1 mL
LCS 280-198371/2		3550C, 8270D/DoD		CALC NOT SET TO RUN	32.0 g	1000 uL	1 mL	1 mL	1 mL
280-48486-B-1	AOI474BF	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	31.0 g	1000 uL			1 mL
280-48486-B-1 MS	AOI474BF	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	31.0 g	1000 uL	1 mL	1 mL	1 mL
280-48486-B-1 MSD	AOI474BF	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	30.3 g	1000 uL	1 mL	1 mL	1 mL

Batch Notes	
Balance ID	24750402
Batch Comment	DV-OP-0016/0007
Blank Soil Lot Number	2BI0314
Person's name who did the concentration	Adams, A./ Scoles, B.
Na2SO4 Lot Number	K10624_00002
Nominal Amount Used	30 g
Prep Solvent Lot #	MeCl2_Cycl_00130 / 1:1AceMeCl2_00034
Prep Solvent Name	MeCl2/ 1:1AceMeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	Jones, B / Wooley, M (trainee)
Person's name who witnessed reagent drop	Reviewer: CDC
Analyst who added reagent	S/S: Jones, B Pipette:E
Perform Calculation (0=No, 1=Yes)	0
Uncorrected In Temperature	88 Degrees C
Vendor of Reagent used	Baker
Water Bath ID	B
Water Bath Temperature	88 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP1 ID: 0.32 (mm) GC Column (2): CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
AOI474BF	280-48486-1	85	97	86	89
	MB 280-198319/1-A	88	98	96	99
	LCS 280-198319/2-A	90	114	104	101
	LCS 280-198319/3-A	99		109	

	QC LIMITS
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Column to be used to flag recovery values

FORM II 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 11010043.D

Lab ID: LCS 280-198319/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	16.7	18.1	108	30-135	
4,4'-DDE	16.7	17.2	103	70-125	
4,4'-DDT	16.7	17.3	104	45-140	
Aldrin	16.7	16.6	100	45-140	
alpha-BHC	16.7	16.3	98	60-125	
alpha-Chlordane	16.7	16.8	101	65-120	
beta-BHC	16.7	15.9	95	60-125	
delta-BHC	16.7	16.2	97	55-130	
Dieldrin	16.7	17.2	103	65-125	
Endosulfan I	16.7	16.1	97	15-135	
Endosulfan II	16.7	16.9	101	35-140	
Endosulfan sulfate	16.7	18.3	110	60-135	
Endrin	16.7	17.9	107	60-135	
Endrin aldehyde	16.7	14.8	89	54-115	
Endrin ketone	16.7	17.6	106	65-135	
gamma-BHC (Lindane)	16.7	16.1	97	60-125	
gamma-Chlordane	16.7	17.3	104	65-125	
Heptachlor	16.7	15.9	95	50-140	
Heptachlor epoxide	16.7	17.1	103	65-130	
Methoxychlor	16.7	17.0	102	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 11010042.D

Lab ID: LCS 280-198319/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toxaphene	66.0	69.8 J	106	51-139	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: MB 280-198319/1-A

Matrix: Solid Date Extracted: 10/29/2013 18:50

Lab File ID:(1) 11010041.D Lab File ID:(2) 11010041.D

Date Analyzed:(1) 11/01/2013 21:43 Date Analyzed:(2) 11/01/2013 21:43

Instrument ID:(1) SGC_P2 Instrument ID:(2) SGC_P2

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-198319/3-A	11/01/2013 22:00	
	LCS 280-198319/2-A	11/01/2013 22:16	11/01/2013 22:16
AOI474BF	280-48486-1	11/02/2013 03:28	11/02/2013 03:28

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198855/10 Date Analyzed: 11/01/2013 12:55

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 11010010.D Heated Purge: (Y/N) N

Calibration ID: 15953

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.84	9.08	
UPPER LIMIT				3.85	9.09	
LOWER LIMIT				3.83	9.07	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198855/10		11/01/2013 12:55	11010010.D	3.84	9.08	
CCV 280-198855/38		11/01/2013 20:54	11010038.D	3.85	9.08	
MB 280-198319/1-A		11/01/2013 21:43	11010041.D	3.85	9.08	
LCS 280-198319/3-A		11/01/2013 22:00	11010042.D	3.85	9.08	
LCS 280-198319/2-A		11/01/2013 22:16	11010043.D	3.85	9.08	
CCV 280-198855/51		11/02/2013 00:27	11010051.D	3.85	9.08	
280-48486-1	AOI474BF	11/02/2013 03:28	11010062.D	3.84	9.08	
CCV 280-198855/64		11/02/2013 04:01	11010064.D	3.84	9.08	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198855/10 Date Analyzed: 11/01/2013 12:55

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 11010010.D Heated Purge: (Y/N) N

Calibration ID: 15954

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.80	9.33	
UPPER LIMIT				3.81	9.34	
LOWER LIMIT				3.79	9.32	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198855/10		11/01/2013 12:55	11010010.D	3.80	9.33	
CCV 280-198855/38		11/01/2013 20:54	11010038.D	3.80	9.33	
MB 280-198319/1-A		11/01/2013 21:43	11010041.D	3.80	9.33	
LCS 280-198319/2-A		11/01/2013 22:16	11010043.D	3.80	9.33	
CCV 280-198855/51		11/02/2013 00:27	11010051.D	3.80	9.33	
280-48486-1	AOI474BF	11/02/2013 03:28	11010062.D	3.80	9.33	
CCV 280-198855/64		11/02/2013 04:01	11010064.D	3.80	9.33	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF Lab Sample ID: 280-48486-1

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 11/02/2013 03:28 Date Analyzed (2): 11/02/2013 03:28

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.32	6.31	6.33	0.86		9.8
	2		6.44	6.43	6.45	0.78		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198319/2-A

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 11/01/2013 22:16 Date Analyzed (2): 11/01/2013 22:16

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.42	4.41	4.43	16.3		7.0
	2		4.43	4.42	4.44	17.5		
gamma-BHC (Lindane)	1		4.71	4.70	4.72	16.1		6.2
	2		4.74	4.73	4.75	17.2		
beta-BHC	1		4.79	4.78	4.80	15.9		7.8
	2		4.82	4.81	4.83	17.1		
delta-BHC	1		4.94	4.93	4.95	16.2		8.0
	2		5.05	5.04	5.06	17.6		
Heptachlor	1		5.12	5.11	5.13	15.9		7.5
	2		5.09	5.08	5.10	17.1		
Aldrin	1		5.38	5.37	5.39	16.6		6.3
	2		5.36	5.35	5.37	17.7		
Heptachlor epoxide	1		5.96	5.95	5.97	17.1		4.8
	2		5.91	5.90	5.92	17.9		
gamma-Chlordane	1		6.10	6.09	6.11	17.3		11.5
	2		6.10	6.09	6.11	19.4		
alpha-Chlordane	1		6.24	6.23	6.25	16.8		5.4
	2		6.26	6.25	6.27	17.8		
4,4'-DDE	1		6.32	6.31	6.33	17.2		5.6
	2		6.44	6.43	6.45	18.2		
Endosulfan I	1		6.38	6.37	6.39	16.1		3.6
	2		6.32	6.31	6.33	16.7		
Dieldrin	1		6.63	6.62	6.64	17.2		3.6
	2		6.60	6.59	6.61	17.9		
Endrin	1		6.86	6.85	6.87	17.9		3.0
	2		6.90	6.89	6.91	18.4		
4,4'-DDD	1		6.92	6.91	6.93	18.1		0.3
	2		7.02	7.01	7.03	18.0		
Endosulfan II	1		7.08	7.07	7.09	16.9		2.2
	2		7.11	7.10	7.12	17.3		
4,4'-DDT	1		7.20	7.19	7.21	17.3		0.9
	2		7.32	7.31	7.33	17.5		
Endrin aldehyde	1		7.49	7.48	7.50	14.8		3.3
	2		7.44	7.43	7.45	15.3		
Methoxychlor	1		7.66	7.65	7.67	17.0		1.6
	2		7.97	7.96	7.98	17.3		
Endosulfan sulfate	1		7.90	7.89	7.91	18.3		5.1
	2		7.70	7.69	7.71	17.3		
Endrin ketone	1		8.16	8.15	8.17	17.6		4.3
	2		8.19	8.18	8.20	16.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198319/3-A

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 11/01/2013 22:00 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	6.23	6.22	6.26	77.7	69.8	
		2	6.72	6.70	6.74	53.4		
		3	7.41	7.39	7.43	88.3		
		4	7.81	7.79	7.83	60.8		
		5	8.14	8.12	8.16	68.7		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: 11010062.D

Analysis Method: 8081B | Date Collected: 10/25/2013 11:00

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.1(g) | Date Analyzed: 11/02/2013 03:28

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.77	U	1.9	0.77	0.61
72-55-9	4,4'-DDE	0.86	J	1.9	0.51	0.26
50-29-3	4,4'-DDT	0.77	U	2.2	0.77	0.65
309-00-2	Aldrin	0.51	U	1.9	0.51	0.28
319-84-6	alpha-BHC	0.51	U	1.9	0.51	0.24
5103-71-9	alpha-Chlordane	0.51	U	1.9	0.51	0.36
319-85-7	beta-BHC	0.77	U	1.9	0.77	0.74
319-86-8	delta-BHC	0.77	U	1.9	0.77	0.44
60-57-1	Dieldrin	0.51	U	1.9	0.51	0.23
959-98-8	Endosulfan I	0.51	U	1.9	0.51	0.20
33213-65-9	Endosulfan II	0.51	U	1.9	0.51	0.32
1031-07-8	Endosulfan sulfate	0.51	U	1.9	0.51	0.31
72-20-8	Endrin	0.51	U	1.9	0.51	0.34
7421-93-4	Endrin aldehyde	0.51	U	1.9	0.51	0.19
53494-70-5	Endrin ketone	0.77	U	1.9	0.77	0.54
58-89-9	gamma-BHC (Lindane)	0.77	U	1.9	0.77	0.51
5103-74-2	gamma-Chlordane	0.77	U	1.9	0.77	0.30
76-44-8	Heptachlor	0.51	U	1.9	0.51	0.24
1024-57-3	Heptachlor epoxide	0.77	U	1.9	0.77	0.47
72-43-5	Methoxychlor	0.77	U	3.7	0.77	0.50
8001-35-2	Toxaphene	30	U Q	190	30	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		55-130
877-09-8	Tetrachloro-m-xylene	85		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010062.D		
Lims ID:	280-48486-A-1-A	Client ID:	AOI474BF
Inject. Date:	02-Nov-2013 03:28:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-48486-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	198855	Lims Sample ID:	62
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:46	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		
First Level Reviewer: wellsd		Date:	04-Nov-2013 06:35:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.844	3.843	0.001	22228478	17.1			
2	2	3.800	3.799	0.001	68756408	19.4			
						RPD = 12.61			
10 alpha-BHC									
1	-65		4.420						
2	2		4.426						
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									
1	100		4.790						
2	2		4.816						
13 delta-BHC									
1	100	4.937	4.939	-0.002	343241	0.4411			
2	2	5.046	5.050	-0.004	821379	-0.2197			
						RPD = 596.88			
15 Heptachlor									
1	100	5.105	5.115	-0.010	792587	0.4200			
2	2	5.100	5.091	0.009	248707	-0.7904			
						RPD = -653.62			
16 Aldrin									
1	-65		5.377						
2	2		5.361						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		6.096						
2	2		6.103						
20 Toxaphene									
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	3417195	2.32			
2	2	6.436	6.436	0.000	6977364	2.10			
						RPD = 9.83			
26 Endosulfan I									
1	100		6.380						
2	2		6.315						
28 Dieldrin									
1	100	6.621	6.625	-0.004	347381	0.1628			
2	2	6.605	6.596	0.009	7626460	2.25			
						RPD = 173.00			
30 Endrin									
1	-65		6.860						
2	2		6.902						
32 4,4'-DDD									
1	100	6.919	6.922	-0.003	361239	0.2933			
2	2	7.016	7.018	-0.002	1134164	0.0982			
						RPD = 99.63			
34 Endosulfan II									
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	1510110	1.35			
2	2	7.322	7.321	0.001	4949859	2.34			
						RPD = 53.53			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									1
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	21338246	17.3			
2	2	9.333	9.333	0.000	24577299	17.8			
						RPD = 2.83			

QC Flag Legend

Processing Flags
1 - Missing Peaks

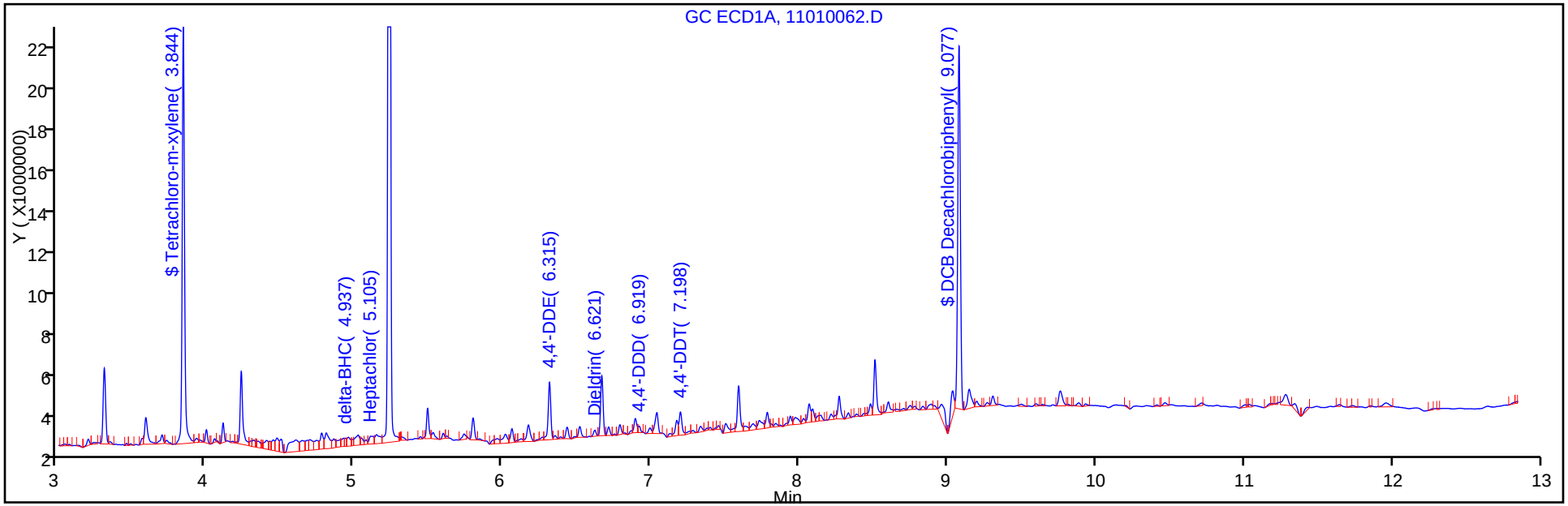
Report Date: 04-Nov-2013 06:46:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

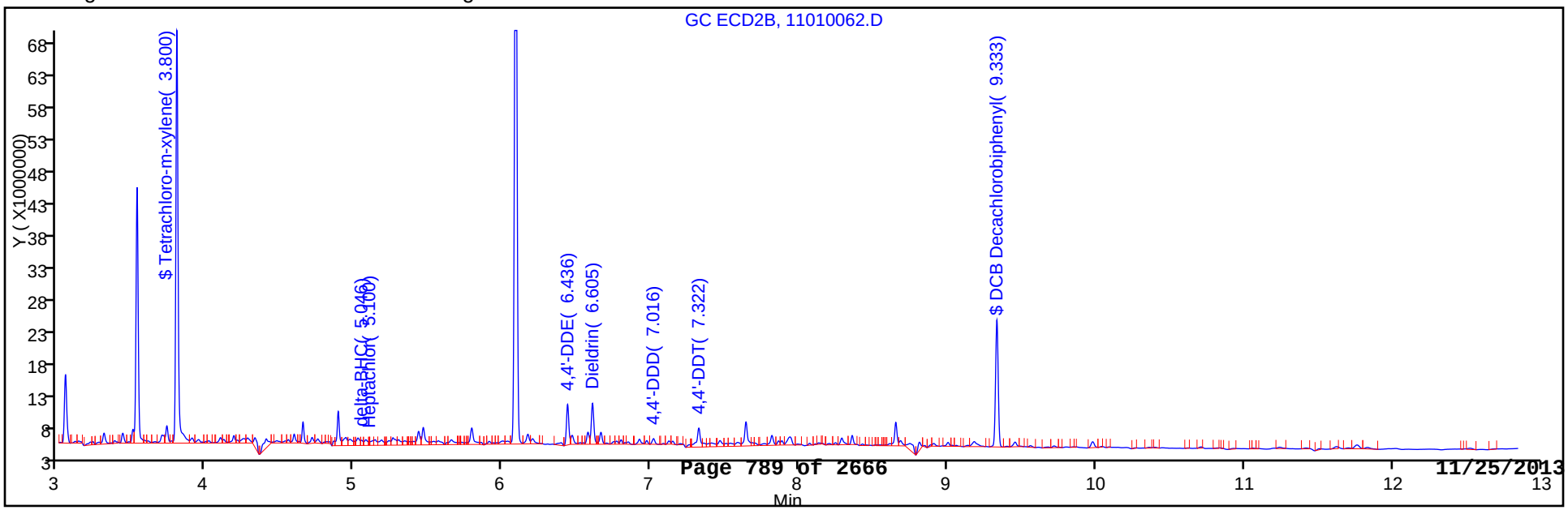
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Injection Date:	02-Nov-2013 03:28:23	Limit Group:	GCSV - 8081A
Client ID:	AOI474BF	Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	62
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF Lab Sample ID: 280-48486-1

Matrix: Solid Lab File ID: 11010062.D

Analysis Method: 8081B Date Collected: 10/25/2013 11:00

Extraction Method: 3546 Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.1(g) Date Analyzed: 11/02/2013 03:28

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 10.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		55-130
877-09-8	Tetrachloro-m-xylene	97		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010062.D		
Lims ID:	280-48486-A-1-A	Client ID:	AOI474BF
Inject. Date:	02-Nov-2013 03:28:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-48486-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	198855	Lims Sample ID:	62
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:46	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:35:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.844	3.843	0.001	22228478	17.1			
2	2	3.800	3.799	0.001	68756408	19.4			
						RPD = 12.61			
10 alpha-BHC									
1	-65		4.420						
2	2		4.426						
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									
1	100		4.790						
2	2		4.816						
13 delta-BHC									
1	100	4.937	4.939	-0.002	343241	0.4411			
2	2	5.046	5.050	-0.004	821379	-0.2197			
						RPD = 596.88			
15 Heptachlor									
1	100	5.105	5.115	-0.010	792587	0.4200			
2	2	5.100	5.091	0.009	248707	-0.7904			
						RPD = -653.62			
16 Aldrin									
1	-65		5.377						
2	2		5.361						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		6.096						
2	2		6.103						
20 Toxaphene									
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	3417195	2.32			
2	2	6.436	6.436	0.000	6977364	2.10			
						RPD = 9.83			
26 Endosulfan I									
1	100		6.380						
2	2		6.315						
28 Dieldrin									
1	100	6.621	6.625	-0.004	347381	0.1628			
2	2	6.605	6.596	0.009	7626460	2.25			
						RPD = 173.00			
30 Endrin									
1	-65		6.860						
2	2		6.902						
32 4,4'-DDD									
1	100	6.919	6.922	-0.003	361239	0.2933			
2	2	7.016	7.018	-0.002	1134164	0.0982			
						RPD = 99.63			
34 Endosulfan II									
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	1510110	1.35			
2	2	7.322	7.321	0.001	4949859	2.34			
						RPD = 53.53			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									1
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	21338246	17.3			
2	2	9.333	9.333	0.000	24577299	17.8			
						RPD = 2.83			

QC Flag Legend

Processing Flags
1 - Missing Peaks

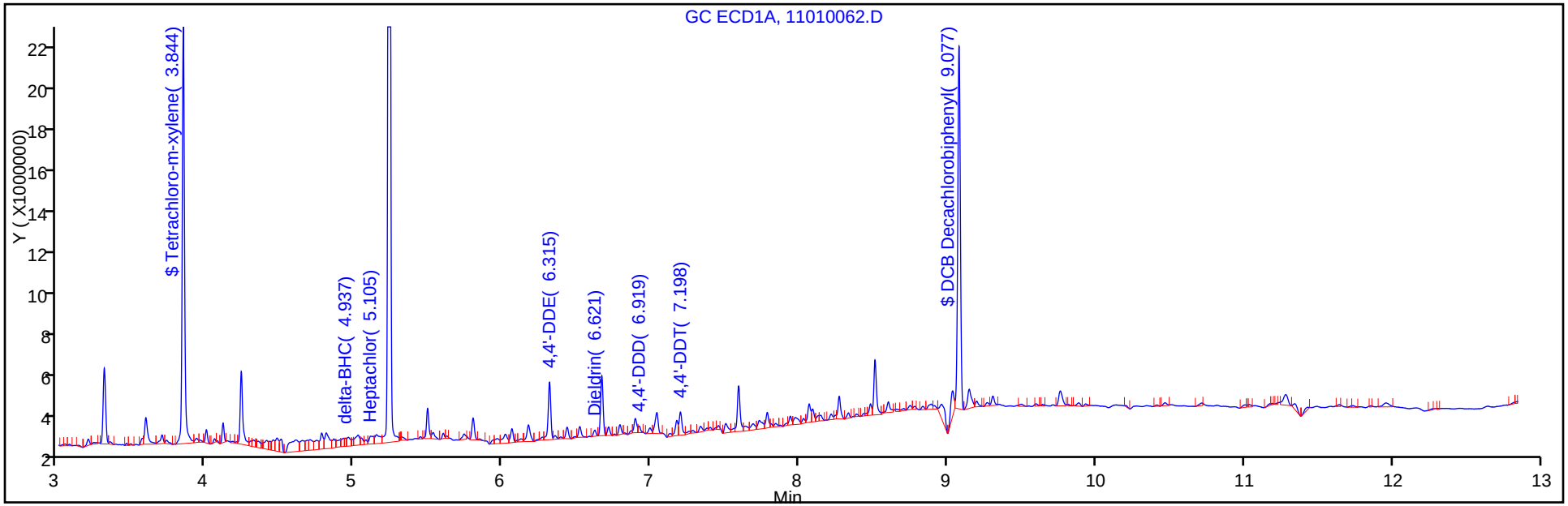
Report Date: 04-Nov-2013 06:46:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

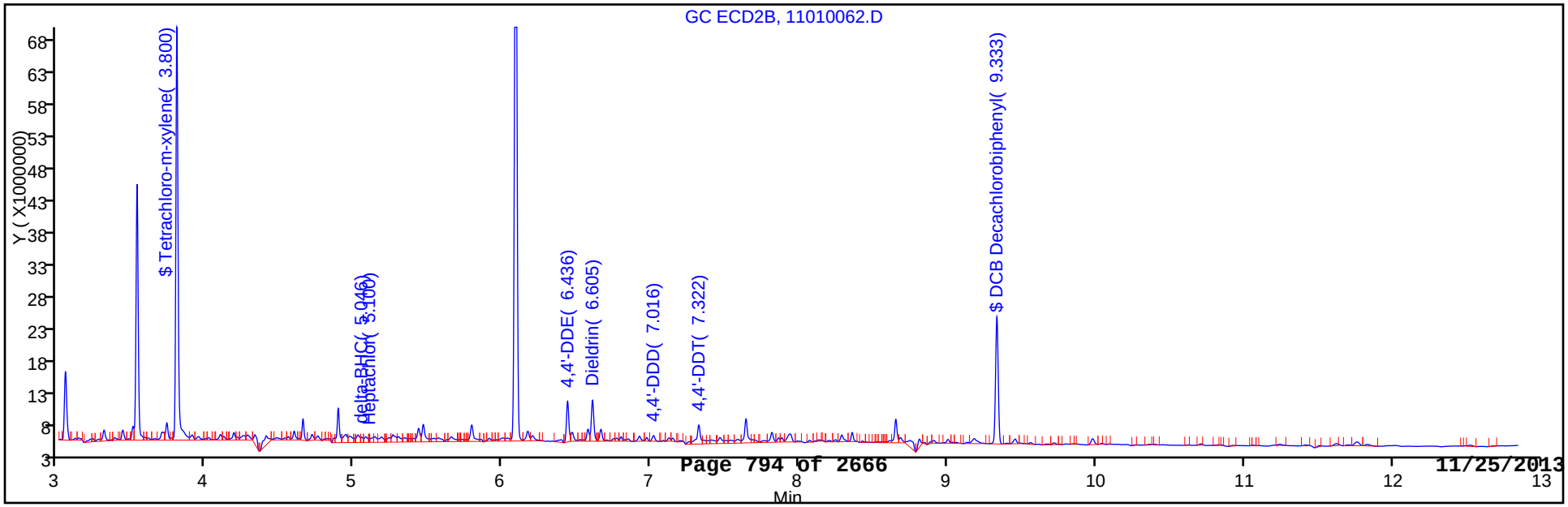
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010062.D

Injection Date:	02-Nov-2013 03:28:23	Limit Group:	GCSV - 8081A
Client ID:	AOI474BF	Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	62
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.252	4.251	4.252	4.251	4.253	4.252					4.241 - 4.261	4.252
alpha-BHC	4.420	4.420	4.421	4.421	4.421	4.420					4.411 - 4.431	4.421
gamma-BHC (Lindane)	4.712	4.712	4.712	4.712	4.713	4.712					4.702 - 4.722	4.712
beta-BHC	4.790	4.789	4.791	4.789	4.790	4.789					4.779 - 4.799	4.790
delta-BHC	4.939	4.939	4.939	4.939	4.940	4.938					4.929 - 4.949	4.939
Heptachlor	5.115	5.114	5.116	5.115	5.115	5.114					5.105 - 5.125	5.115
Aldrin	5.377	5.376	5.377	5.376	5.377	5.376					5.366 - 5.386	5.377
Isodrin	5.689	5.689	5.689	5.688	5.690	5.688					5.678 - 5.698	5.689
Heptachlor epoxide	5.964	5.963	5.964	5.963	5.964	5.963					5.953 - 5.973	5.964
gamma-Chlordane	6.097	6.095	6.097	6.096	6.096	6.096					6.086 - 6.106	6.096
alpha-Chlordane	6.237	6.237	6.238	6.237	6.238	6.238					6.227 - 6.247	6.238
4,4'-DDE	6.317	6.315	6.317	6.316	6.316	6.315					6.306 - 6.326	6.316
Endosulfan I	6.380	6.379	6.380	6.379	6.380	6.380					6.369 - 6.389	6.380
Dieldrin	6.626	6.625	6.626	6.626	6.626	6.626					6.616 - 6.636	6.626
Endrin	6.861	6.860	6.861	6.861	6.861	6.861					6.851 - 6.871	6.861
4,4'-DDD	6.923	6.922	6.923	6.922	6.923	6.923					6.912 - 6.932	6.923
Endosulfan II	7.082	7.081	7.083	7.081	7.082	7.083					7.071 - 7.091	7.082
4,4'-DDT	7.200	7.199	7.201	7.199	7.200	7.199					7.189 - 7.209	7.200
Endrin aldehyde	7.489	7.488	7.490	7.488	7.490	7.489					7.478 - 7.498	7.489
Methoxychlor	7.661	7.660	7.661	7.660	7.660	7.661					7.650 - 7.670	7.661
Mirex	7.808	7.808	7.810	7.807	7.809	7.808					7.797 - 7.817	7.808
Endosulfan sulfate	7.900	7.899	7.901	7.899	7.900	7.900					7.889 - 7.909	7.900
Endrin ketone	8.161	8.160	8.162	8.161	8.162	8.162					8.151 - 8.171	8.161
Tetrachloro-m-xylene	3.842	3.842	3.842	3.842	3.843	3.842					3.832 - 3.852	3.842
DCB Decachlorobiphenyl	9.080	9.079	9.080	9.078	9.080	9.079					9.068 - 9.088	9.079

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	1742247 1619085	1652781 1624237	1697204	1619102	Lin2	459800.758	1625901.28							1.0000		0.9900
alpha-BHC	1788028 1900531	1782792 1933635	1941124	1897268	Lin2	-608729.17	1917859.85							0.9990		0.9900
gamma-BHC (Lindane)	1669216 1706252	1626302 1734822	1757410	1709982	Lin2	-285776.87	1721303.26							0.9990		0.9900
beta-BHC	793344 695913	715170 706028	732690	702210	Lin2	361364.900	698127.288							0.9990		0.9900
delta-BHC	1661836 1733939	1645182 1761651	1782590	1735606	Lin2	-429214.38	1751132.76							0.9990		0.9900
Heptachlor	1525254 1459048	1461370 1469578	1538317	1480655	Lin2	172411.694	1476585.05							0.9990		0.9900
Aldrin	1589120 1617025	1558176 1624079	1663559	1613745	Lin2	-192329.19	1624840.98							0.9990		0.9900
Isodrin	1399539 1343748	1337040 1344344	1401336	1348012	Lin2	175169.778	1349685.43							1.0000		0.9900
Heptachlor epoxide	1487487 1388746	1406426 1388717	1469898	1403891	Lin2	336720.312	1399875.63							0.9990		0.9900
gamma-Chlordane	1498390 1472170	1434344 1488876	1517587	1472703	Lin2	24834.7497	1478884.90							0.9990		0.9900
alpha-Chlordane	1496692 1433290	1416956 1448408	1488198	1435213	Lin2	184153.249	1439826.27							0.9990		0.9900
4,4'-DDE	1509356 1523582	1470572 1534232	1563585	1520582	Lin2	-133311.39	1529946.15							1.0000		0.9900
Endosulfan I	1449081 1341772	1375910 1341070	1422259	1358482	Lin2	381839.831	1353851.74							0.9990		0.9900
Dieldrin	1527649 1482331	1468509 1486704	1551270	1494885	Lin2	104029.713	1494378.15							0.9990		0.9900
Endrin	1335250 1310982	1280295 1330059	1348209	1326058	Lin2	6623.35332	1321330.38							1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	1171695 1151631	1127445 1158937	1187621	1158074	Lin2	21717.5353	1157665.43							1.0000		0.9900
Endosulfan II	1284901 1219961	1235727 1219977	1292279	1240033	Lin2	197863.016	1234522.93							0.9990		0.9900
4,4'-DDT	1139070 1134556	1104490 1141465	1161358	1133238	Lin2	-28919.166	1137784.73							1.0000		0.9900
Endrin aldehyde	1161974 1042280	1083529 1040903	1117327	1051415	Lin2	451117.709	1050323.95							0.9990		0.9900
Methoxychlor	634160 546437	586738 541614	580716	551923	Lin2	359318.141	547646.911							1.0000		0.9900
Mirex	1074376 905255	978346 904270	966009	916648	Lin2	680862.914	908310.544							1.0000		0.9900
Endosulfan sulfate	1242504 1127892	1168047 1132124	1195945	1140889	Lin2	422157.763	1137410.82							1.0000		0.9900
Endrin ketone	1453586 1316251	1369316 1314085	1408142	1336223	Lin2	506419.565	1329692.40							0.9990		0.9900
Tetrachloro-m-xylene	1334927 1291099	1271370 1293032	1342552	1287941	Lin2	129489.749	1294134.62							0.9990		0.9900
DCB Decachlorobiphenyl	1387605 1186633	1285318 1178037	1263295	1184520	Lin2	842761.925	1186701.97							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	6968987 162423735	16527807	42430089	80955075	121431362	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	7152111 193363504	17827920	48528088	94863375	142539799	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	6676862 173482210	16263017	43935239	85499121	127968871	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	3173375 70602804	7151704	18317243	35110489	52193512	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	6647342 176165110	16451820	44564756	86780295	130045420	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	6101017 146957779	14613700	38457915	74032762	109428611	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	6356478 162407916	15581756	41588964	80687252	121276902	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	5598156 134434444	13370397	35033404	67400594	100781122	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	5949949 138871748	14064262	36747458	70194550	104155924	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	5993561 148887623	14343441	37939667	73635168	110412786	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	5986766 144840843	14169561	37204951	71760654	107496767	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	6037423 153423171	14705722	39089618	76029113	114268649	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	5796323 134106999	13759104	35556471	67924108	100632916	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	6110594 148670445	14685089	38781744	74744270	111174859	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	5340998 133005924	12802954	33705227	66302882	98323615	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	4686779 115893699	11274454	29690530	57903714	86372318	4.00 100	10.0	25.0	50.0	75.0

FORM VI

GC SEMI VOA INITIAL CALIBRATION DATA

EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	5139604 121997729	12357272	32306963	62001650	91497091	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	4556279 114146510	11044895	29033950	56661922	85091698	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	4647897 104090277	10835292	27933181	52570729	78171000	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	2536638 54161350	5867375	14517895	27596142	40982764	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	4297504 90427002	9783456	24150224	45832418	67894119	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	4970016 113212414	11680468	29898621	57044426	84591873	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	5814342 131408509	13693158	35203551	66811174	98718823	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	5339708 129303157	12713702	33563798	64397026	96832403	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	5550420 117803742	12853177	31582382	59226013	88997474	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D		
Lims ID:	STD6 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:24:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	196035	Lims Sample ID:	10
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:35:58	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	129303157	99.8			
2	2	3.788	3.789	-0.001	331051197	96.4			
						RPD = 3.43			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	162423735	99.6			
2	2	4.269	4.270	-0.001	345757803	97.8			
						RPD = 1.82			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	193363504	101.1			
2	2	4.417	4.416	0.001	465770687	99.0			
						RPD = 2.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	173482210	101.0			
2	2	4.731	4.731	0.000	397204545	99.0			
						RPD = 1.99			
12 beta-BHC									
1	100	4.789	4.789	0.000	70602804	100.6			
2	2	4.806	4.806	0.000	160111372	97.9			
						RPD = 2.75			
13 delta-BHC									
1	100	4.938	4.939	-0.001	176165110	100.8			
2	2	5.041	5.041	0.000	371279339	98.9			
						RPD = 1.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	146957779	99.4			
2	2	5.081	5.081	0.000	315744008	96.5			
						RPD = 3.00			
16 Aldrin									
1	-65	5.376	5.376	0.000	162407916	100.1			
2	2	5.349	5.350	-0.001	312594368	97.7			
						RPD = 2.37			
18 Isodrin									
1	100	5.688	5.688	0.000	134434444	99.5			
2	2	5.713	5.714	-0.001	252465095	97.2			
						RPD = 2.30			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	138871748	99.0			
2	2	5.892	5.893	-0.001	259742496	96.8			
						RPD = 2.17			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	148887623	100.7			
2	2	6.089	6.090	-0.001	273974586	98.5			
						RPD = 2.21			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	144840843	100.5			
2	2	6.244	6.245	-0.001	256340038	98.0			
						RPD = 2.53			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	153423171	100.4			
2	2	6.424	6.425	-0.001	258163707	97.9			
						RPD = 2.50			
26 Endosulfan I									
1	100	6.380	6.379	0.001	134106999	98.8			
2	2	6.303	6.303	0.000	232813890	96.2			
						RPD = 2.65			
28 Dieldrin									
1	100	6.626	6.626	0.000	148670445	99.4			
2	2	6.583	6.585	-0.002	255750936	97.6			
						RPD = 1.81			
30 Endrin									
1	-65	6.861	6.861	0.000	133005924	100.7			
2	2	6.890	6.891	-0.001	222811457	98.9			
						RPD = 1.73			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	115893699	100.1			
2	2	7.005	7.006	-0.001	200529479	98.2			
						RPD = 1.87			
34 Endosulfan II									
1	100	7.083	7.081	0.002	121997729	98.7			
2	2	7.100	7.100	0.000	198932293	96.1			
						RPD = 2.60			

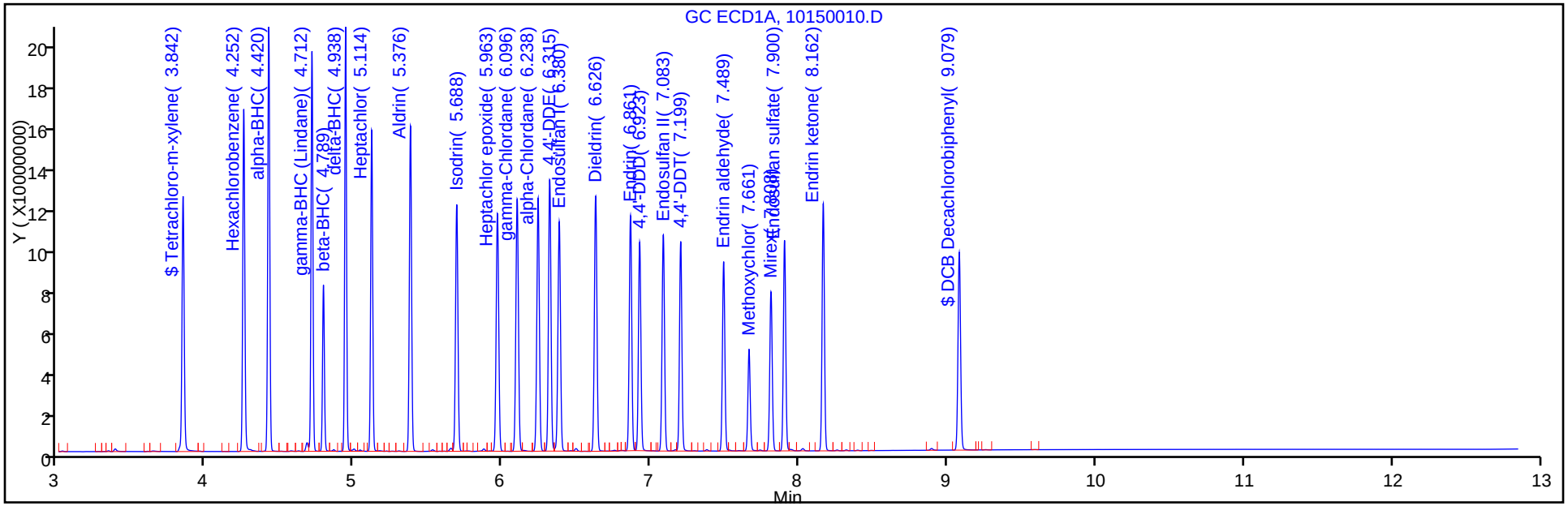
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	114146510	100.3			
2	2	7.310	7.311	-0.001	187893108	99.1			
						RPD = 1.22			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	104090277	98.7			
2	2	7.428	7.429	-0.001	162246715	97.0			
						RPD = 1.69			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	54161350	98.2			
2	2	7.958	7.958	0.000	82632001	97.6			
						RPD = 0.65			
38 Mirex									
1	100	7.808	7.807	0.001	90427002	98.8			
2	2	8.138	8.138	0.000	128373619	97.6			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	113212414	99.2			
2	2	7.687	7.687	0.000	173347164	97.8			
						RPD = 1.41			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	131408509	98.4			
2	2	8.178	8.179	-0.001	191750675	97.3			
						RPD = 1.15			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	117803742	98.6			
2	2	9.319	9.320	-0.001	130418900	97.9			
						RPD = 0.62			

Report Date: 17-Oct-2013 05:35:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

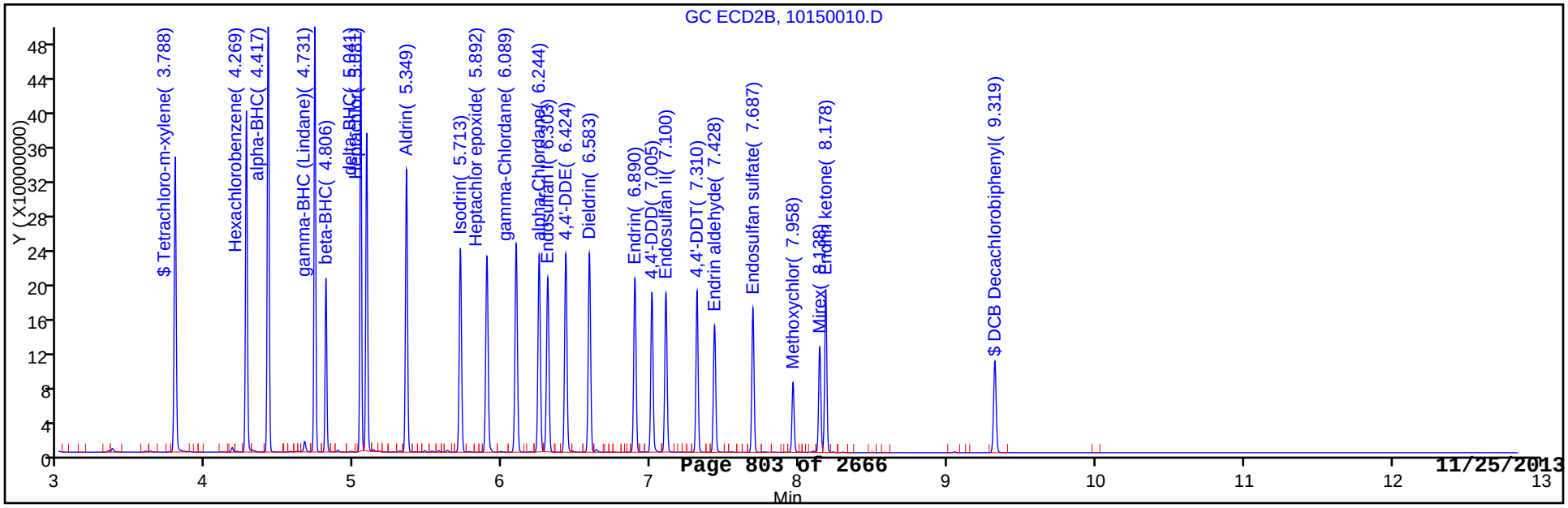
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D		
Injection Date:	15-Oct-2013 15:24:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150011.D
Lims ID: STD5 AB Client ID:
Inject. Date: 15-Oct-2013 15:40:26 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD5 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 196035 Lims Sample ID: 11
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:35:59 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 20:58:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.842	0.001	96832403	74.7			
2	2	3.789	3.789	0.000	253867906	73.8			
						RPD = 1.29			
8 Hexachlorobenzene									
1	100	4.253	4.251	0.002	121431362	74.4			
2	2	4.270	4.270	0.000	261832068	73.9			
						RPD = 0.74			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	142539799	74.6			
2	2	4.417	4.416	0.001	348345190	73.9			
						RPD = 0.94			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.712	0.001	127968871	74.5			
2	2	4.731	4.731	0.000	296543397	73.8			
						RPD = 1.02			
12 beta-BHC									
1	100	4.790	4.789	0.001	52193512	74.2			
2	2	4.805	4.806	-0.001	119957275	73.1			
						RPD = 1.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.940	4.939	0.001	130045420	74.5			
2	2	5.041	5.041	0.000	276461035	73.6			
						RPD = 1.29			
15 Heptachlor									
1	100	5.115	5.115	0.000	109428611	74.0			
2	2	5.081	5.081	0.000	238175581	72.6			
						RPD = 1.96			
16 Aldrin									
1	-65	5.377	5.376	0.001	121276902	74.8			
2	2	5.350	5.350	0.000	235855783	73.6			
						RPD = 1.57			
18 Isodrin									
1	100	5.690	5.688	0.002	100781122	74.5			
2	2	5.713	5.714	-0.001	191251404	73.4			
						RPD = 1.49			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	104155924	74.2			
2	2	5.893	5.893	0.000	196589025	73.1			
						RPD = 1.50			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	110412786	74.6			
2	2	6.090	6.090	0.000	205518579	73.7			
						RPD = 1.28			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	107496767	74.5			
2	2	6.245	6.245	0.000	192999122	73.6			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	114268649	74.8			
2	2	6.425	6.425	0.000	194361123	73.6			
						RPD = 1.64			
26 Endosulfan I									
1	100	6.380	6.379	0.001	100632916	74.0			
2	2	6.303	6.303	0.000	177023075	72.9			
						RPD = 1.53			
28 Dieldrin									
1	100	6.626	6.626	0.000	111174859	74.3			
2	2	6.585	6.585	0.000	193285518	73.6			
						RPD = 0.95			
30 Endrin									
1	-65	6.861	6.861	0.000	98323615	74.4			
2	2	6.891	6.891	0.000	166169544	73.6			
						RPD = 1.03			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	86372318	74.6			
2	2	7.006	7.006	0.000	150528928	73.6			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.082	7.081	0.001	91497091	74.0			
2	2	7.100	7.100	0.000	151234170	72.9			
						RPD = 1.39			
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	85091698	74.8			
2	2	7.310	7.311	-0.001	140996802	74.3			
						RPD = 0.66			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	78171000	74.0			
2	2	7.428	7.429	-0.001	122852263	73.3			
						RPD = 0.99			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	40982764	74.2			
2	2	7.958	7.958	0.000	62364675	73.5			
						RPD = 0.91			
38 Mirex									
1	100	7.809	7.807	0.002	67894119	74.0			
2	2	8.138	8.138	0.000	96862672	73.4			
						RPD = 0.78			
39 Endosulfan sulfate									M
1	-65	7.900	7.899	0.001	84591873	74.0			
2	2	7.687	7.687	0.000	129683386	72.9			M
						RPD = 1.44			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	98718823	73.9			
2	2	8.179	8.179	0.000	144800006	73.3			
						RPD = 0.73			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	88997474	74.3			
2	2	9.319	9.320	-0.001	98942700	74.1			
						RPD = 0.24			

QC Flag Legend

Review Flags
M - Manually Integrated

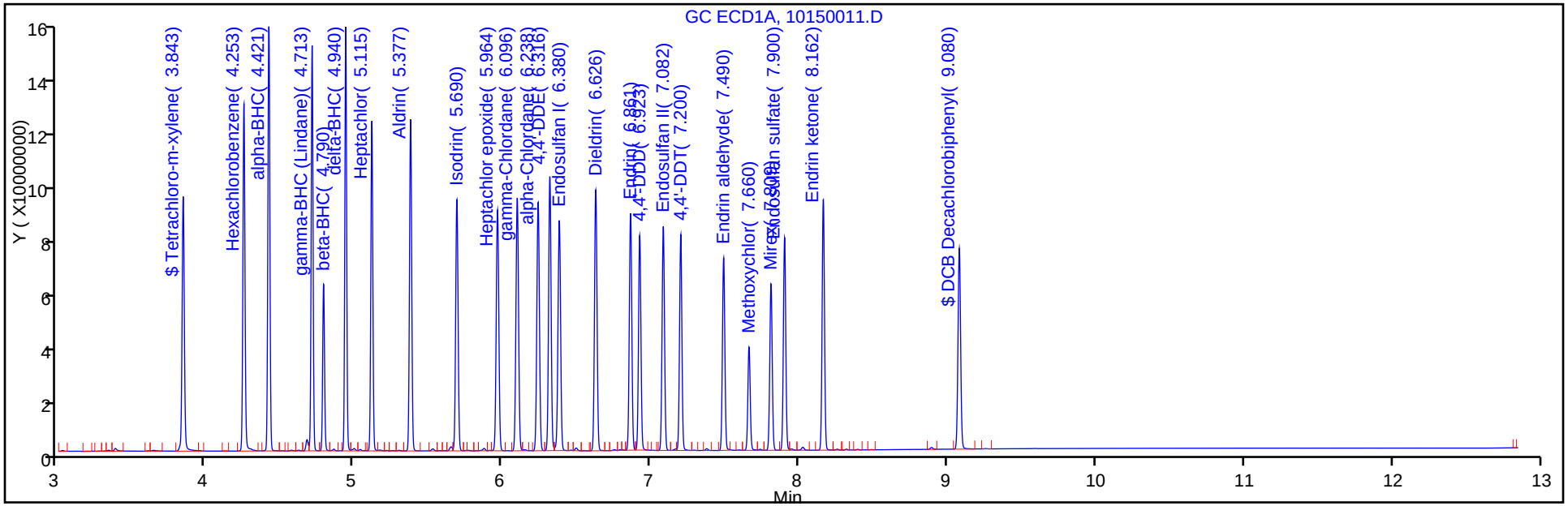
Report Date: 17-Oct-2013 05:35:59 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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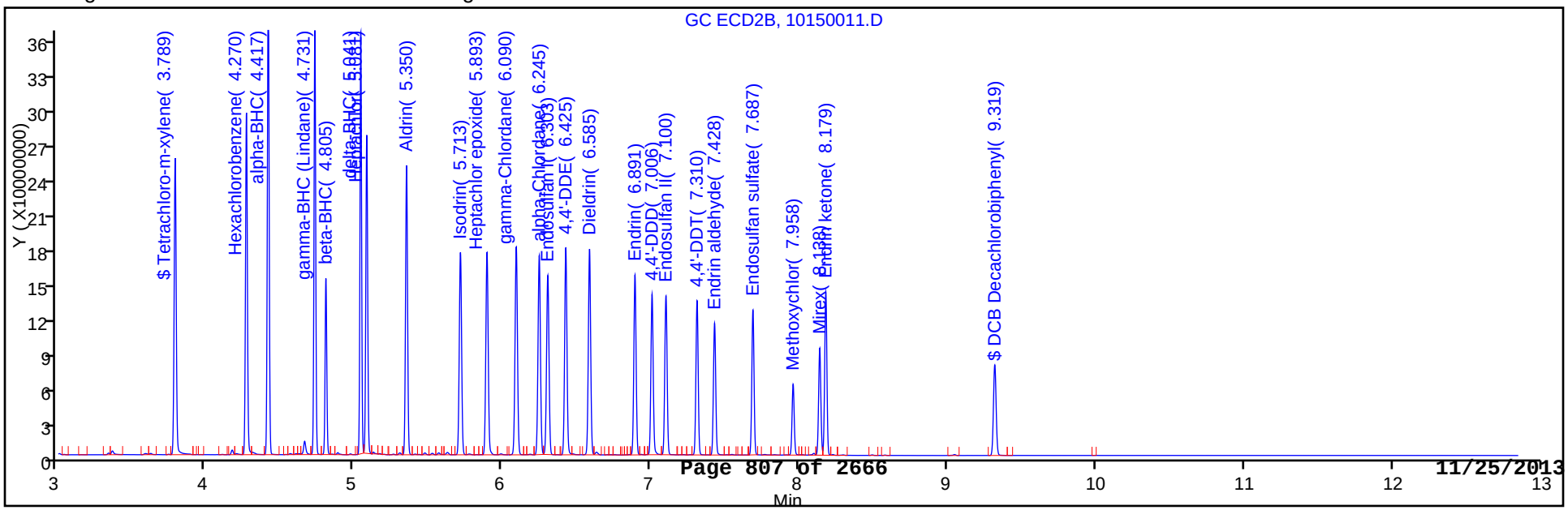
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Injection Date:	15-Oct-2013 15:40:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150012.D		
Lims ID:	STD4 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:56:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	196035	Lims Sample ID:	12
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:01	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	64397026	49.7			
2	2	3.789	3.789	0.000	171353471	49.5			
						RPD = 0.28			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	80955075	49.5			
2	2	4.270	4.270	0.000	176793253	49.6			
						RPD = 0.13			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	94863375	49.8			
2	2	4.416	4.416	0.000	234817793	49.7			
						RPD = 0.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	85499121	49.8			
2	2	4.731	4.731	0.000	200867719	49.8			
						RPD = 0.08			
12 beta-BHC									
1	100	4.789	4.789	0.000	35110489	49.8			
2	2	4.806	4.806	0.000	82134353	49.7			
						RPD = 0.16			
13 delta-BHC									
1	100	4.939	4.939	0.000	86780295	49.8			
2	2	5.041	5.041	0.000	188053721	49.9			
						RPD = 0.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74032762	50.0			
2	2	5.081	5.081	0.000	166419851	50.4			
						RPD = 0.82			
16 Aldrin									
1	-65	5.376	5.376	0.000	80687252	49.8			
2	2	5.350	5.350	0.000	160028968	49.7			
						RPD = 0.08			
18 Isodrin									
1	100	5.688	5.688	0.000	67400594	49.8			
2	2	5.714	5.714	0.000	130241971	49.7			
						RPD = 0.13			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	70194550	49.9			
2	2	5.893	5.893	0.000	134902020	49.8			
						RPD = 0.12			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	73635168	49.8			
2	2	6.090	6.090	0.000	138999216	49.6			
						RPD = 0.30			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	71760654	49.7			
2	2	6.245	6.245	0.000	131113322	49.7			
						RPD = 0.07			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	76029113	49.8			
2	2	6.425	6.425	0.000	131861626	49.7			
						RPD = 0.11			
26 Endosulfan I									
1	100	6.379	6.379	0.000	67924108	49.9			
2	2	6.303	6.303	0.000	121997376	50.0			
						RPD = 0.19			
28 Dieldrin									
1	100	6.626	6.626	0.000	74744270	49.9			
2	2	6.585	6.585	0.000	131685710	49.9			
						RPD = 0.01			
30 Endrin									
1	-65	6.861	6.861	0.000	66302882	50.2			
2	2	6.891	6.891	0.000	114011388	50.4			
						RPD = 0.37			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	57903714	50.0			
2	2	7.006	7.006	0.000	102812326	50.1			
						RPD = 0.28			
34 Endosulfan II									
1	100	7.081	7.081	0.000	62001650	50.1			
2	2	7.100	7.100	0.000	104876864	50.4			
						RPD = 0.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	56661922	49.8			
2	2	7.311	7.311	0.000	95064817	50.0			
						RPD = 0.39			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	52570729	49.6			
2	2	7.429	7.429	0.000	84029949	49.9			
						RPD = 0.48			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	27596142	49.7			
2	2	7.958	7.958	0.000	42445991	49.8			
						RPD = 0.18			
38 Mirex									
1	100	7.807	7.807	0.000	45832418	49.7			
2	2	8.138	8.138	0.000	65998139	49.7			
						RPD = 0.03			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	57044426	49.8			
2	2	7.687	7.687	0.000	89046907	49.8			
						RPD = 0.12			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	66811174	49.9			
2	2	8.179	8.179	0.000	98875306	49.9			
						RPD = 0.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	59226013	49.2			
2	2	9.320	9.320	0.000	66291857	49.4			
						RPD = 0.35			

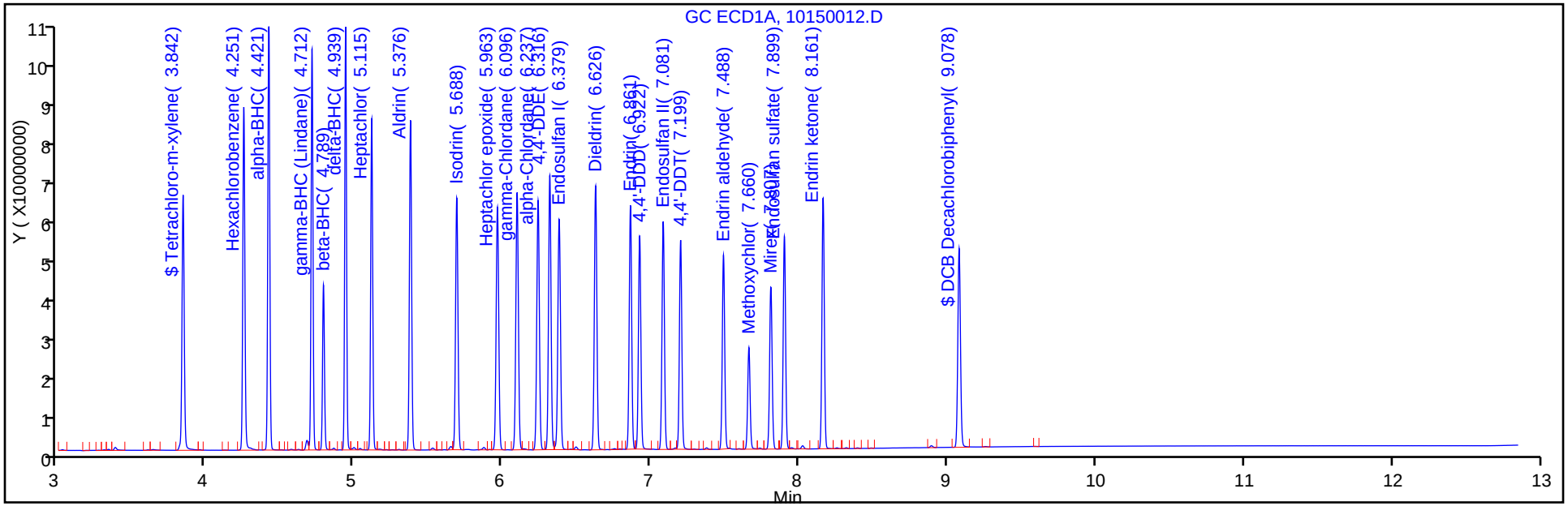
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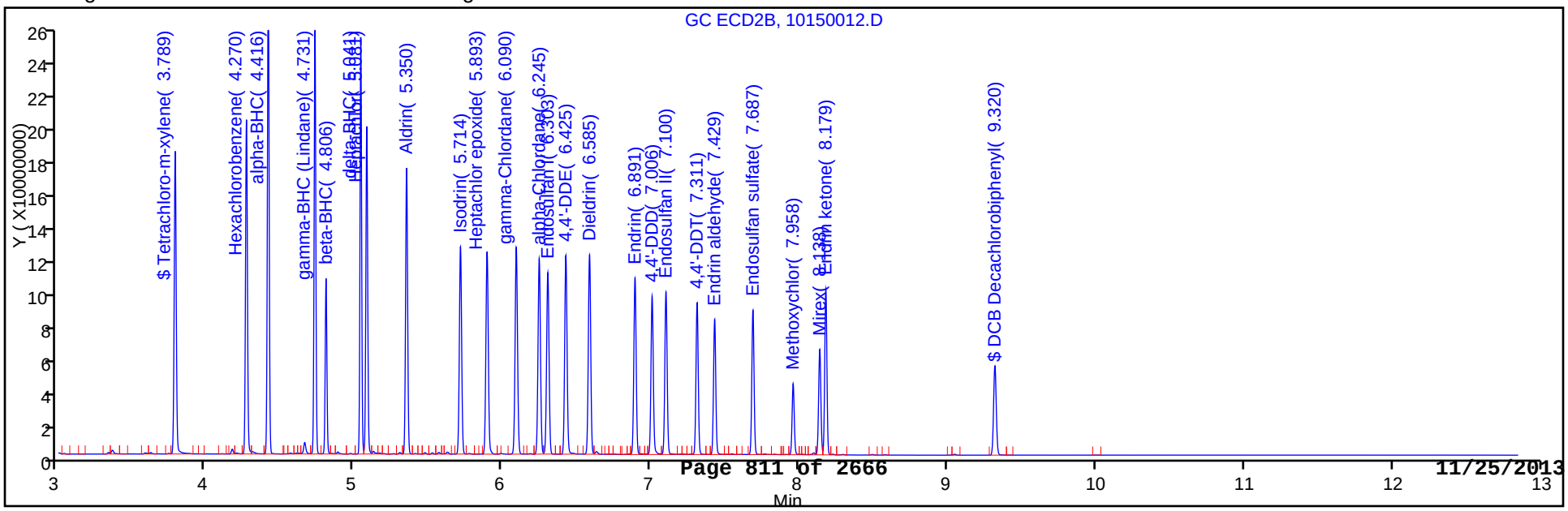
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Injection Date:	15-Oct-2013 15:56:49	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150013.D		
Lims ID:	STD3 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:13:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	196035	Lims Sample ID:	13
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:04	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	33563798	25.8			
2	2	3.788	3.789	-0.001	92480097	26.3			
						RPD = 1.96			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	42430089	25.8			
2	2	4.269	4.270	-0.001	94762903	26.2			
						RPD = 1.31			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	48528088	25.6			
2	2	4.416	4.416	0.000	123556546	26.0			
						RPD = 1.35			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	43935239	25.7			
2	2	4.731	4.731	0.000	105735783	26.0			
						RPD = 1.09			
12 beta-BHC									
1	100	4.791	4.789	0.002	18317243	25.7			
2	2	4.806	4.806	0.000	44137388	26.2			
						RPD = 1.91			
13 delta-BHC									
1	100	4.939	4.939	0.000	44564756	25.7			
2	2	5.041	5.041	0.000	98986790	26.1			
						RPD = 1.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	38457915	25.9			
2	2	5.081	5.081	0.000	88676415	26.5			
						RPD = 2.06			
16 Aldrin									
1	-65	5.377	5.376	0.001	41588964	25.7			
2	2	5.350	5.350	0.000	85222830	26.2			
						RPD = 1.88			
18 Isodrin									
1	100	5.689	5.688	0.001	35033404	25.8			
2	2	5.713	5.714	-0.001	69820755	26.3			
						RPD = 1.73			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	36747458	26.0			
2	2	5.892	5.893	-0.001	72693419	26.4			
						RPD = 1.59			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	37939667	25.6			
2	2	6.090	6.090	0.000	73872524	26.1			
						RPD = 1.64			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	37204951	25.7			
2	2	6.245	6.245	0.000	69768642	26.1			
						RPD = 1.60			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	39089618	25.6			
2	2	6.424	6.425	-0.001	70108952	26.2			
						RPD = 2.08			
26 Endosulfan I									
1	100	6.380	6.379	0.001	35556471	26.0			
2	2	6.302	6.303	-0.001	65704733	26.5			
						RPD = 2.03			
28 Dieldrin									
1	100	6.626	6.626	0.000	38781744	25.9			
2	2	6.584	6.585	-0.001	69379730	26.0			
						RPD = 0.41			
30 Endrin									
1	-65	6.861	6.861	0.000	33705227	25.5			
2	2	6.891	6.891	0.000	58777223	25.7			
						RPD = 0.77			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	29690530	25.6			
2	2	7.006	7.006	0.000	53563770	25.9			
						RPD = 1.06			
34 Endosulfan II									
1	100	7.083	7.081	0.002	32306963	26.0			
2	2	7.100	7.100	0.000	55282089	26.3			
						RPD = 1.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.201	7.199	0.002	29033950	25.5			
2	2	7.310	7.311	-0.001	49047619	25.7			
						RPD = 0.51			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	27933181	26.2			
2	2	7.428	7.429	-0.001	45023232	26.3			
						RPD = 0.67			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	14517895	25.9			
2	2	7.958	7.958	0.000	22523869	26.1			
						RPD = 1.10			
38 Mirex									
1	100	7.810	7.807	0.003	24150224	25.8			
2	2	8.137	8.138	-0.001	35416840	26.2			
						RPD = 1.32			
39 Endosulfan sulfate									
1	-65	7.901	7.899	0.002	29898621	25.9			
2	2	7.686	7.687	-0.001	47746646	26.4			
						RPD = 1.69			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	35203551	26.1			
2	2	8.178	8.179	-0.001	52921569	26.4			
						RPD = 1.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	31582382	25.9			
2	2	9.320	9.320	0.000	35397596	26.0			
						RPD = 0.24			

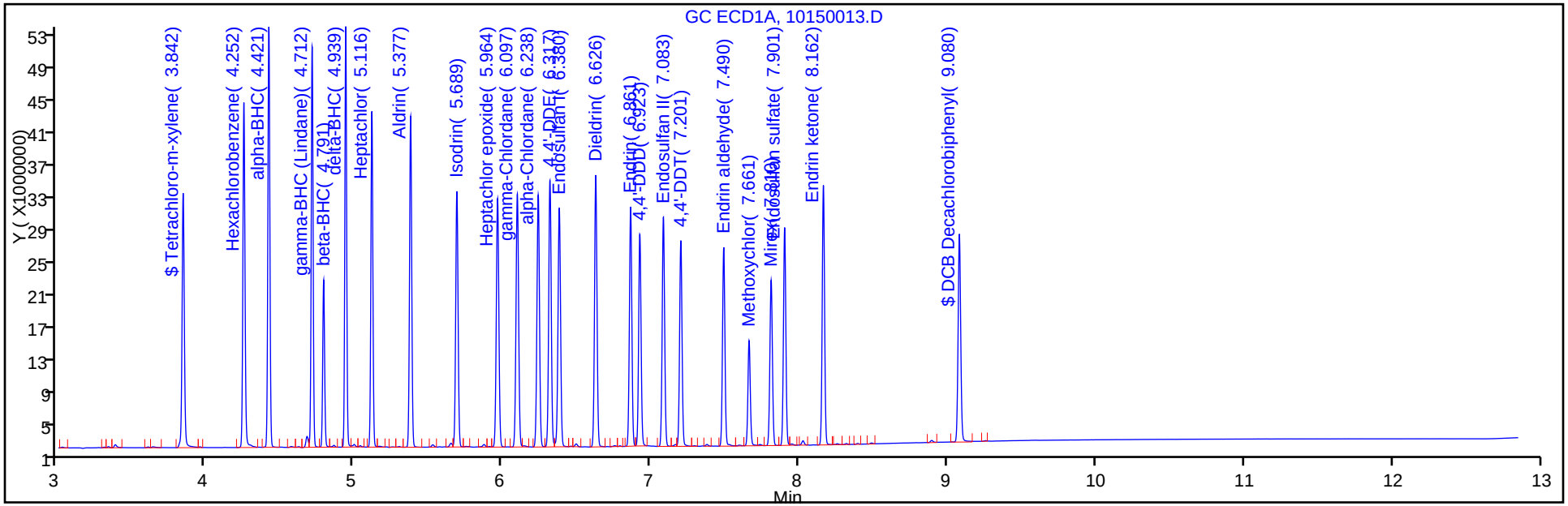
Report Date: 17-Oct-2013 05:36:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

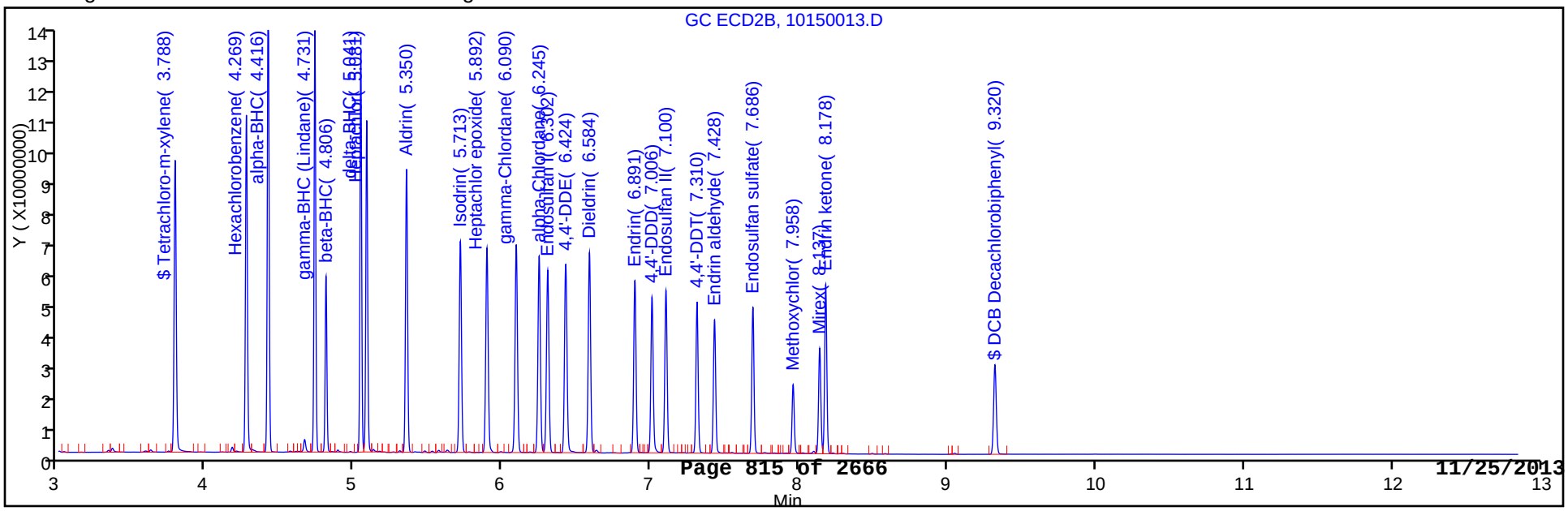
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150013.D

Injection Date:	15-Oct-2013 16:13:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150014.D		
Lims ID:	STD2 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:29:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	196035	Lims Sample ID:	14
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:05	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	12713702	9.72			
2	2	3.789	3.789	0.000	37602944	10.2			
						RPD = 4.97			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	16527807	9.88			
2	2	4.269	4.270	-0.001	38452096	10.1			
						RPD = 1.92			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	17827920	9.61			
2	2	4.416	4.416	0.000	48376594	9.93			
						RPD = 3.19			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	16263017	9.61			
2	2	4.731	4.731	0.000	41734695	9.94			
						RPD = 3.38			
12 beta-BHC									
1	100	4.789	4.789	0.000	7151704	9.73			
2	2	4.806	4.806	0.000	18153822	10.2			
						RPD = 4.34			
13 delta-BHC									
1	100	4.939	4.939	0.000	16451820	9.64			
2	2	5.041	5.041	0.000	38697628	9.92			
						RPD = 2.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	14613700	9.78			
2	2	5.081	5.081	0.000	35650835	10.1			
						RPD = 3.45			
16 Aldrin									
1	-65	5.376	5.376	0.000	15581756	9.71			
2	2	5.350	5.350	0.000	33934065	10.1			
						RPD = 3.63			
18 Isodrin									
1	100	5.689	5.688	0.001	13370397	9.78			
2	2	5.714	5.714	0.000	28270179	10.1			
						RPD = 3.64			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	14064262	9.81			
2	2	5.893	5.893	0.000	29493083	10.2			
						RPD = 3.59			
23 gamma-Chlordane									
1	-65	6.095	6.096	-0.001	14343441	9.68			
2	2	6.090	6.090	0.000	29602274	10.0			
						RPD = 3.66			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	14169561	9.71			
2	2	6.246	6.245	0.001	28073507	10.1			
						RPD = 3.64			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	14705722	9.70			
2	2	6.424	6.425	-0.001	27864151	10.1			
						RPD = 3.73			
26 Endosulfan I									
1	100	6.379	6.379	0.000	13759104	9.88			
2	2	6.304	6.303	0.001	26581940	10.2			
						RPD = 3.20			
28 Dieldrin									
1	100	6.625	6.626	-0.001	14685089	9.76			
2	2	6.584	6.585	-0.001	28132707	10.1			
						RPD = 3.78			
30 Endrin									
1	-65	6.860	6.861	-0.001	12802954	9.68			
2	2	6.892	6.891	0.001	23506512	9.95			
						RPD = 2.75			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	11274454	9.72			
2	2	7.008	7.006	0.002	21301301	10.0			
						RPD = 3.07			
34 Endosulfan II									
1	100	7.081	7.081	0.000	12357272	9.85			
2	2	7.100	7.100	0.000	22286659	10.2			
						RPD = 3.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	11044895	9.73			
2	2	7.311	7.311	0.000	19233150	9.90			
						RPD = 1.69			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	10835292	9.89			
2	2	7.429	7.429	0.000	18136326	10.1			
						RPD = 2.44			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	5867375	10.1			
2	2	7.959	7.958	0.001	9042183	10.1			
						RPD = 0.54			
38 Mirex									
1	100	7.808	7.807	0.001	9783456	10.0			
2	2	8.139	8.138	0.001	14549143	10.1			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	11680468	9.90			
2	2	7.688	7.687	0.001	19117456	10.1			
						RPD = 1.81			
40 Endrin ketone									
1	-65	8.160	8.161	-0.001	13693158	9.92			
2	2	8.179	8.179	0.000	21026501	10.1			
						RPD = 1.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	12853177	10.1			
2	2	9.320	9.320	0.000	14547893	10.2			
						RPD = 0.48			

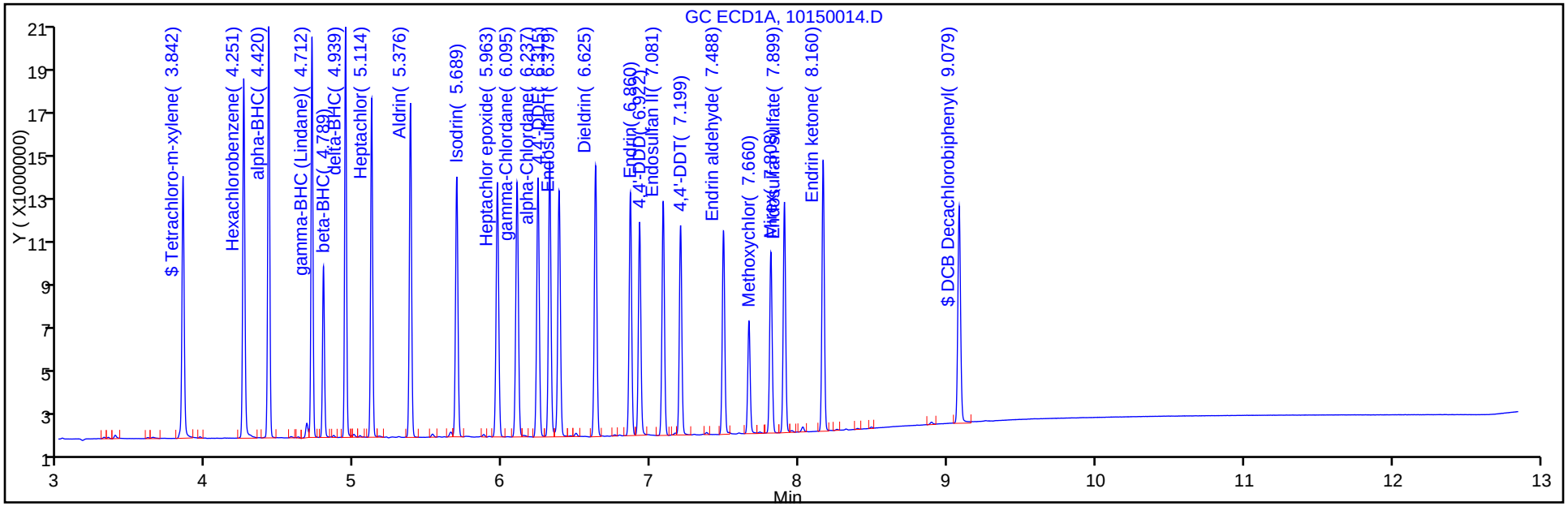
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TestAmerica Denver

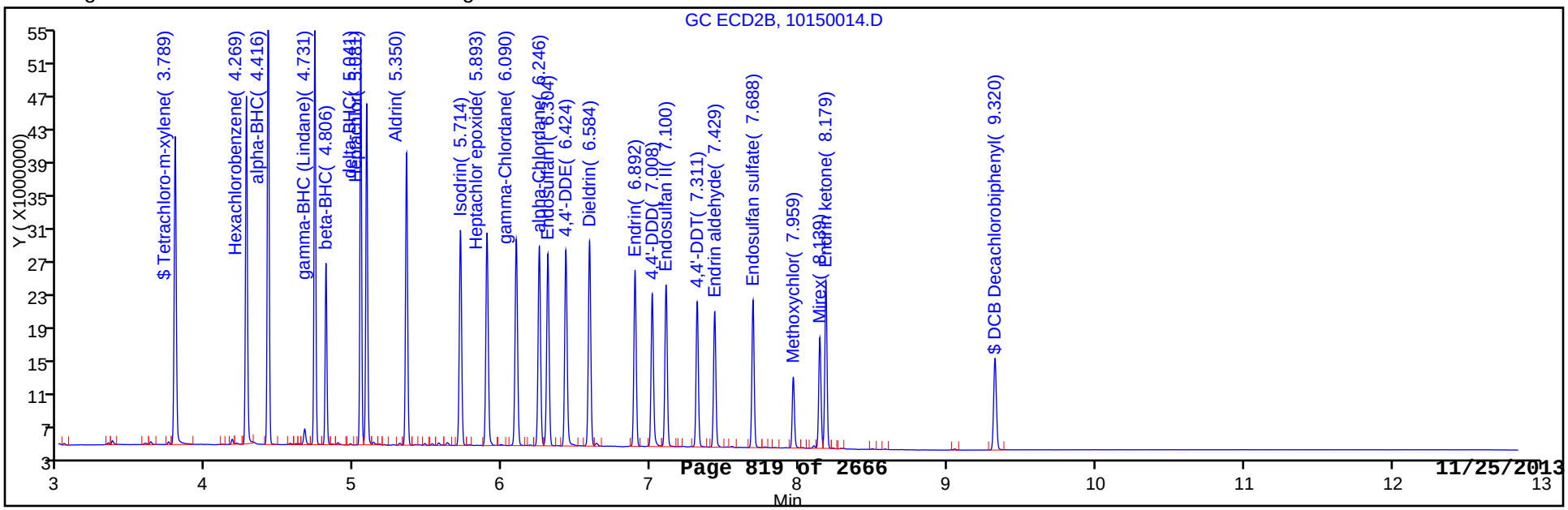
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Injection Date:	15-Oct-2013 16:29:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150015.D
Lims ID: STD1 AB Client ID:
Inject. Date: 15-Oct-2013 16:46:02 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 196035 Lims Sample ID: 15
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:06 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	5339708	4.03			
2	2	3.789	3.789	0.000	16239894	3.94			
						RPD = 2.09			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	6968987	4.00			
2	2	4.269	4.270	-0.001	17066086	3.97			
						RPD = 0.89			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	7152111	4.05			
2	2	4.417	4.416	0.001	20583222	3.99			
						RPD = 1.32			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	6676862	4.04			
2	2	4.732	4.731	0.001	17960376	3.99			
						RPD = 1.36			
12 beta-BHC									
1	100	4.790	4.789	0.001	3173375	4.03			
2	2	4.807	4.806	0.001	8115376	3.95			
						RPD = 1.84			
13 delta-BHC									
1	100	4.939	4.939	0.000	6647342	4.04			
2	2	5.042	5.041	0.001	16559974	3.99			
						RPD = 1.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	6101017	4.02			
2	2	5.082	5.081	0.001	15634137	3.95			
						RPD = 1.57			
16 Aldrin									
1	-65	5.377	5.376	0.001	6356478	4.03			
2	2	5.350	5.350	0.000	14545252	3.97			
						RPD = 1.57			
18 Isodrin									
1	100	5.689	5.688	0.001	5598156	4.02			
2	2	5.713	5.714	-0.001	12347578	3.96			
						RPD = 1.56			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	5949949	4.01			
2	2	5.892	5.893	-0.001	12980566	3.95			
						RPD = 1.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	5993561	4.04			
2	2	6.090	6.090	0.000	12830896	3.97			
						RPD = 1.53			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	5986766	4.03			
2	2	6.245	6.245	0.000	12217327	3.97			
						RPD = 1.54			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	6037423	4.03			
2	2	6.425	6.425	0.000	11868460	3.97			
						RPD = 1.62			
26 Endosulfan I									
1	100	6.380	6.379	0.001	5796323	4.00			
2	2	6.302	6.303	-0.001	11563424	3.94			
						RPD = 1.47			
28 Dieldrin									
1	100	6.626	6.626	0.000	6110594	4.02			
2	2	6.584	6.585	-0.001	12079530	3.96			
						RPD = 1.45			
30 Endrin									
1	-65	6.861	6.861	0.000	5340998	4.04			
2	2	6.892	6.891	0.001	10153262	3.99			
						RPD = 1.11			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	4686779	4.03			
2	2	7.007	7.006	0.001	9019165	3.98			
						RPD = 1.27			
34 Endosulfan II									
1	100	7.082	7.081	0.001	5139604	4.00			
2	2	7.101	7.100	0.001	9369960	3.94			
						RPD = 1.55			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	4556279	4.03			
2	2	7.311	7.311	0.000	8088894	4.00			
						RPD = 0.69			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	4647897	4.00			
2	2	7.428	7.429	-0.001	7894943	3.96			
						RPD = 1.02			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	2536638	3.98			
2	2	7.959	7.958	0.001	3868818	3.96			
						RPD = 0.35			
38 Mirex									
1	100	7.808	7.807	0.001	4297504	3.98			
2	2	8.137	8.138	-0.001	6506716	3.96			
						RPD = 0.61			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	4970016	4.00			
2	2	7.687	7.687	0.000	8361728	3.96			
						RPD = 0.89			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	5814342	3.99			
2	2	8.178	8.179	-0.001	9094409	3.96			
						RPD = 0.68			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	5550420	3.97			
2	2	9.320	9.320	0.000	6348501	3.96			
						RPD = 0.23			

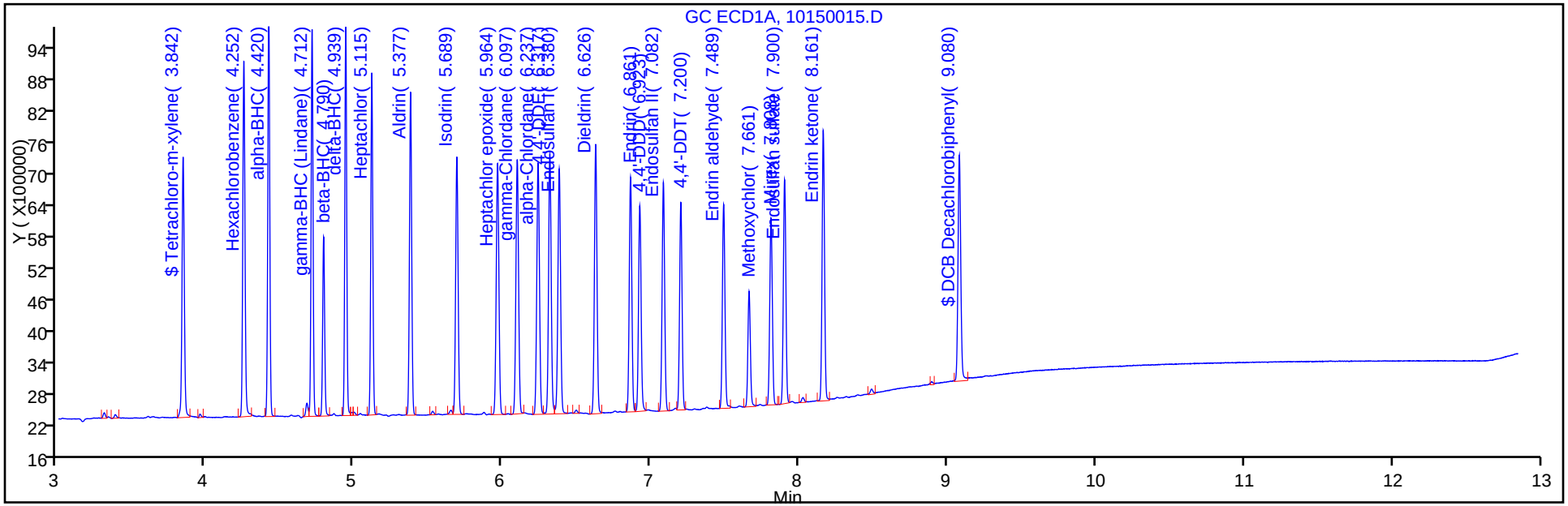
Report Date: 17-Oct-2013 05:36:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

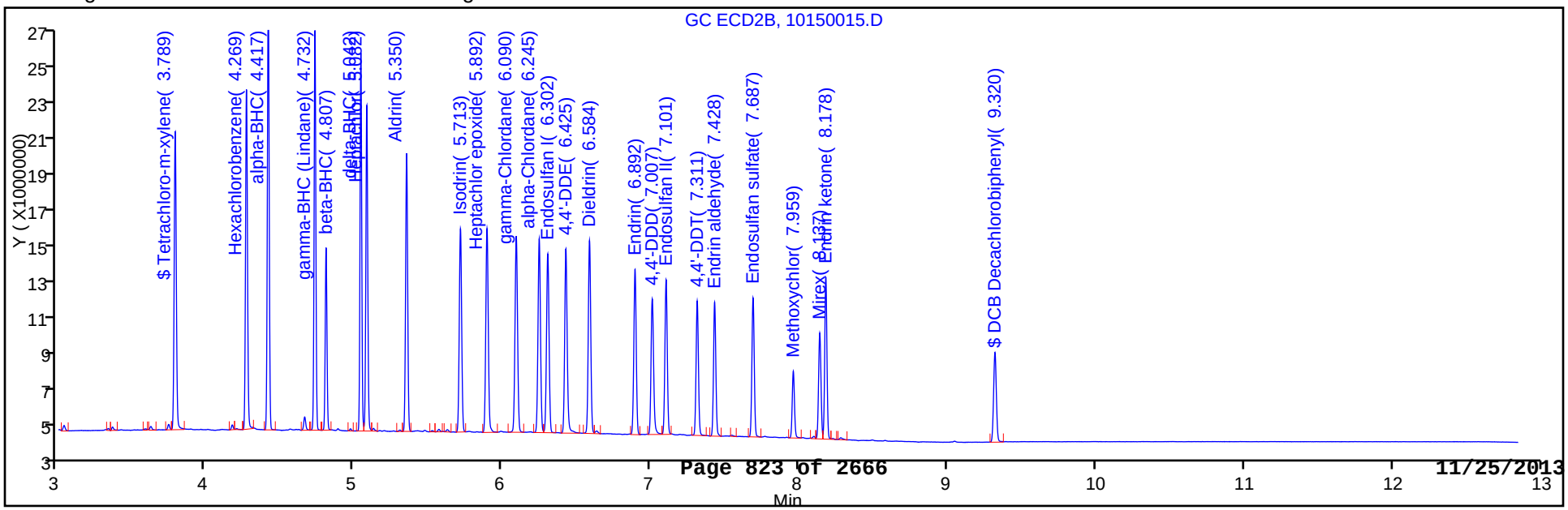
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150015.D

Injection Date:	15-Oct-2013 16:46:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.269	4.269	4.269	4.270	4.270	4.269					4.260 - 4.280	4.269
alpha-BHC	4.417	4.416	4.416	4.416	4.417	4.417					4.406 - 4.426	4.417
gamma-BHC (Lindane)	4.732	4.731	4.731	4.731	4.731	4.731					4.721 - 4.741	4.731
beta-BHC	4.807	4.806	4.806	4.806	4.805	4.806					4.796 - 4.816	4.806
delta-BHC	5.042	5.041	5.041	5.041	5.041	5.041					5.031 - 5.051	5.041
Heptachlor	5.082	5.081	5.081	5.081	5.081	5.081					5.071 - 5.091	5.081
Aldrin	5.350	5.350	5.350	5.350	5.350	5.349					5.340 - 5.360	5.350
Isodrin	5.713	5.714	5.713	5.714	5.713	5.713					5.704 - 5.724	5.713
Heptachlor epoxide	5.892	5.893	5.892	5.893	5.893	5.892					5.883 - 5.903	5.893
gamma-Chlordane	6.090	6.090	6.090	6.090	6.090	6.089					6.080 - 6.100	6.090
alpha-Chlordane	6.245	6.246	6.245	6.245	6.245	6.244					6.235 - 6.255	6.245
Endosulfan I	6.302	6.304	6.302	6.303	6.303	6.303					6.293 - 6.313	6.303
4,4'-DDE	6.425	6.424	6.424	6.425	6.425	6.424					6.415 - 6.435	6.425
Dieldrin	6.584	6.584	6.584	6.585	6.585	6.583					6.575 - 6.595	6.584
Endrin	6.892	6.892	6.891	6.891	6.891	6.890					6.881 - 6.901	6.891
4,4'-DDD	7.007	7.008	7.006	7.006	7.006	7.005					6.996 - 7.016	7.006
Endosulfan II	7.101	7.100	7.100	7.100	7.100	7.100					7.090 - 7.110	7.100
4,4'-DDT	7.311	7.311	7.310	7.311	7.310	7.310					7.301 - 7.321	7.311
Endrin aldehyde	7.428	7.429	7.428	7.429	7.428	7.428					7.419 - 7.439	7.428
Endosulfan sulfate	7.687	7.688	7.686	7.687	7.687	7.687					7.677 - 7.697	7.687
Methoxychlor	7.959	7.959	7.958	7.958	7.958	7.958					7.948 - 7.968	7.958
Mirex	8.137	8.139	8.137	8.138	8.138	8.138					8.128 - 8.148	8.138
Endrin ketone	8.178	8.179	8.178	8.179	8.179	8.178					8.169 - 8.189	8.179
Tetrachloro-m-xylene	3.789	3.789	3.788	3.789	3.789	3.788					3.779 - 3.799	3.789
DCB Decachlorobiphenyl	9.320	9.320	9.320	9.320	9.319	9.319					9.310 - 9.330	9.320

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	4266522 3491094	3845210 3457578	3790516	3535865	Lin2	3168927.35	3502263.78							0.9990		0.9900
alpha-BHC	5145806 4644603	4837659 4657707	4942262	4696356	Lin2	1871052.66	4685600.42							0.9990		0.9900
gamma-BHC (Lindane)	4490094 3953912	4173469 3972045	4229431	4017354	Lin2	2026168.68	3993050.03							0.9990		0.9900
beta-BHC	2028844 1599430	1815382 1601114	1765496	1642687	Lin2	1716228.89	1618208.94							0.9990		0.9900
delta-BHC	4139993 3686147	3869763 3712793	3959472	3761074	Lin2	1642222.18	3736268.87							0.9990		0.9900
Heptachlor	3908534 3175674	3565084 3157440	3547057	3328397	Lin2	2812586.31	3243899.74							0.9980		0.9900
Aldrin	3636313 3144744	3393407 3125944	3408913	3200579	Lin2	1932758.02	3178728.51							0.9990		0.9900
Isodrin	3086895 2550019	2827018 2524651	2792830	2604839	Lin2	2162544.98	2574858.14							0.9990		0.9900
Heptachlor epoxide	3245141 2621187	2949308 2597425	2907737	2698040	Lin2	2490060.66	2656635.44							0.9980		0.9900
gamma-Chlordane	3207724 2740248	2960227 2739746	2954901	2779984	Lin2	1845772.66	2763832.57							0.9990		0.9900
alpha-Chlordane	3054332 2573322	2807351 2563400	2790746	2622266	Lin2	1910448.87	2597259.23							0.9990		0.9900
Endosulfan I	2890856 2360308	2658194 2328139	2628189	2439948	Lin2	2111363.75	2398451.52							0.9980		0.9900
4,4'-DDE	2967115 2591482	2786415 2581637	2804358	2637233	Lin2	1461727.31	2622470.71							0.9990		0.9900
Dieldrin	3019883 2577140	2813271 2557509	2775189	2633714	Lin2	1774419.67	2601298.50							0.9990		0.9900
Endrin	2538316 2215594	2350651 2228115	2351089	2280228	Lin2	1209801.95	2239957.39							1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	2254791 2007052	2130130 2005295	2142551	2056247	Lin2	934548.778	2031849.12							0.9990		0.9900
Endosulfan II	2342490 2016456	2228666 1989323	2211284	2097537	Lin2	1265656.08	2056217.38							0.9980		0.9900
4,4'-DDT	2022224 1879957	1923315 1878931	1961905	1901296	Lin2	524478.409	1890059.01							1.0000		0.9900
Endrin aldehyde	1973736 1638030	1813633 1622467	1800929	1680599	Lin2	1335170.55	1658470.00							0.9990		0.9900
Endosulfan sulfate	2090432 1729112	1911746 1733472	1909866	1780938	Lin2	1391530.33	1758761.43							0.9990		0.9900
Methoxychlor	967204 831529	904218 826320	900955	848920	Lin2	536276.841	841126.627							0.9990		0.9900
Mirex	1626679 1291502	1454914 1283736	1416674	1319963	Lin2	1358965.87	1300763.83							0.9990		0.9900
Endrin ketone	2273602 1930667	2102650 1917507	2116863	1977506	Lin2	1336586.61	1956601.20							0.9990		0.9900
Tetrachloro-m-xylene	4059973 3384905	3760294 3310512	3699204	3427069	Lin2	2822792.70	3403124.74							0.9990		0.9900
DCB Decachlorobiphenyl	1587125 1319236	1454789 1304189	1415904	1325837	Lin2	1123853.24	1320012.91							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	17066086 345757803	38452096	94762903	176793253	261832068	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	20583222 465770687	48376594	123556546	234817793	348345190	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	17960376 397204545	41734695	105735783	200867719	296543397	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	8115376 160111372	18153822	44137388	82134353	119957275	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	16559974 371279339	38697628	98986790	188053721	276461035	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	15634137 315744008	35650835	88676415	166419851	238175581	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	14545252 312594368	33934065	85222830	160028968	235855783	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	12347578 252465095	28270179	69820755	130241971	191251404	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	12980566 259742496	29493083	72693419	134902020	196589025	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	12830896 273974586	29602274	73872524	138999216	205518579	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	12217327 256340038	28073507	69768642	131113322	192999122	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	11563424 232813890	26581940	65704733	121997376	177023075	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	11868460 258163707	27864151	70108952	131861626	194361123	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	12079530 255750936	28132707	69379730	131685710	193285518	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	10153262 222811457	23506512	58777223	114011388	166169544	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	9019165 200529479	21301301	53563770	102812326	150528928	4.00 100	10.0	25.0	50.0	75.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	9369960 198932293	22286659	55282089	104876864	151234170	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	8088894 187893108	19233150	49047619	95064817	140996802	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	7894943 162246715	18136326	45023232	84029949	122852263	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	8361728 173347164	19117456	47746646	89046907	129683386	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	3868818 82632001	9042183	22523869	42445991	62364675	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	6506716 128373619	14549143	35416840	65998139	96862672	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	9094409 191750675	21026501	52921569	98875306	144800006	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	16239894 331051197	37602944	92480097	171353471	253867906	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	6348501 130418900	14547893	35397596	66291857	98942700	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D		
Lims ID:	STD6 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:24:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	196035	Lims Sample ID:	10
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:35:58	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	129303157	99.8			
2	2	3.788	3.789	-0.001	331051197	96.4			
						RPD = 3.43			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	162423735	99.6			
2	2	4.269	4.270	-0.001	345757803	97.8			
						RPD = 1.82			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	193363504	101.1			
2	2	4.417	4.416	0.001	465770687	99.0			
						RPD = 2.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	173482210	101.0			
2	2	4.731	4.731	0.000	397204545	99.0			
						RPD = 1.99			
12 beta-BHC									
1	100	4.789	4.789	0.000	70602804	100.6			
2	2	4.806	4.806	0.000	160111372	97.9			
						RPD = 2.75			
13 delta-BHC									
1	100	4.938	4.939	-0.001	176165110	100.8			
2	2	5.041	5.041	0.000	371279339	98.9			
						RPD = 1.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	146957779	99.4			
2	2	5.081	5.081	0.000	315744008	96.5			
						RPD = 3.00			
16 Aldrin									
1	-65	5.376	5.376	0.000	162407916	100.1			
2	2	5.349	5.350	-0.001	312594368	97.7			
						RPD = 2.37			
18 Isodrin									
1	100	5.688	5.688	0.000	134434444	99.5			
2	2	5.713	5.714	-0.001	252465095	97.2			
						RPD = 2.30			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	138871748	99.0			
2	2	5.892	5.893	-0.001	259742496	96.8			
						RPD = 2.17			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	148887623	100.7			
2	2	6.089	6.090	-0.001	273974586	98.5			
						RPD = 2.21			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	144840843	100.5			
2	2	6.244	6.245	-0.001	256340038	98.0			
						RPD = 2.53			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	153423171	100.4			
2	2	6.424	6.425	-0.001	258163707	97.9			
						RPD = 2.50			
26 Endosulfan I									
1	100	6.380	6.379	0.001	134106999	98.8			
2	2	6.303	6.303	0.000	232813890	96.2			
						RPD = 2.65			
28 Dieldrin									
1	100	6.626	6.626	0.000	148670445	99.4			
2	2	6.583	6.585	-0.002	255750936	97.6			
						RPD = 1.81			
30 Endrin									
1	-65	6.861	6.861	0.000	133005924	100.7			
2	2	6.890	6.891	-0.001	222811457	98.9			
						RPD = 1.73			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	115893699	100.1			
2	2	7.005	7.006	-0.001	200529479	98.2			
						RPD = 1.87			
34 Endosulfan II									
1	100	7.083	7.081	0.002	121997729	98.7			
2	2	7.100	7.100	0.000	198932293	96.1			
						RPD = 2.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	114146510	100.3			
2	2	7.310	7.311	-0.001	187893108	99.1			
						RPD = 1.22			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	104090277	98.7			
2	2	7.428	7.429	-0.001	162246715	97.0			
						RPD = 1.69			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	54161350	98.2			
2	2	7.958	7.958	0.000	82632001	97.6			
						RPD = 0.65			
38 Mirex									
1	100	7.808	7.807	0.001	90427002	98.8			
2	2	8.138	8.138	0.000	128373619	97.6			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	113212414	99.2			
2	2	7.687	7.687	0.000	173347164	97.8			
						RPD = 1.41			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	131408509	98.4			
2	2	8.178	8.179	-0.001	191750675	97.3			
						RPD = 1.15			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	117803742	98.6			
2	2	9.319	9.320	-0.001	130418900	97.9			
						RPD = 0.62			

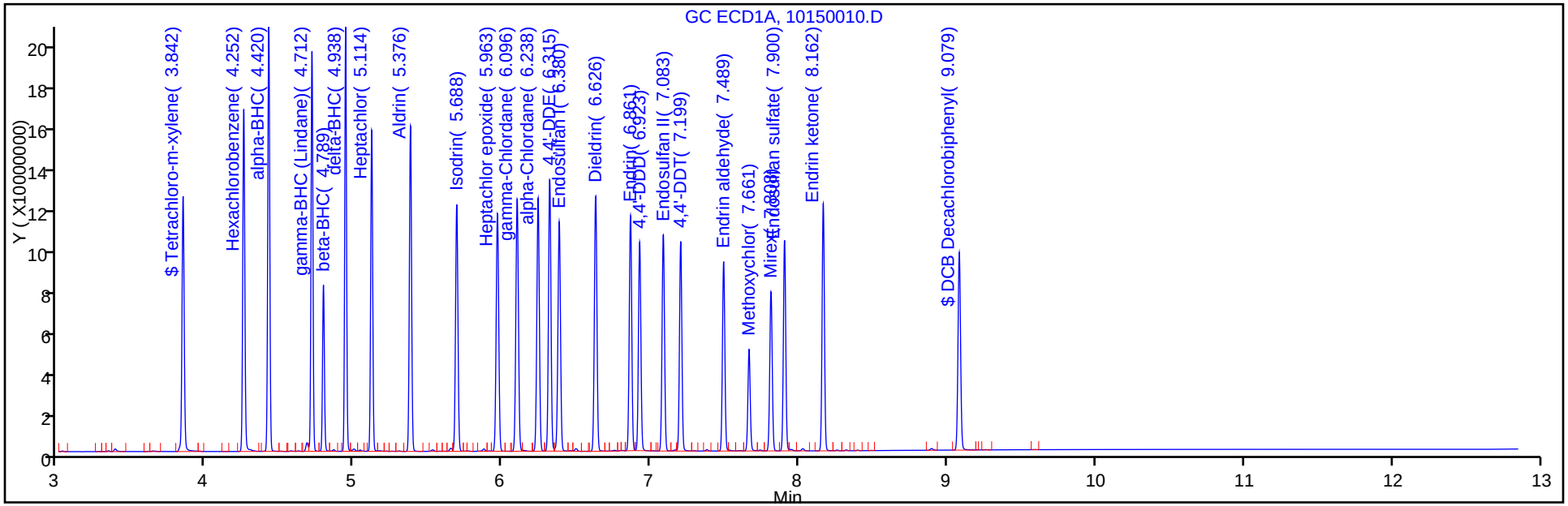
Report Date: 17-Oct-2013 05:35:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

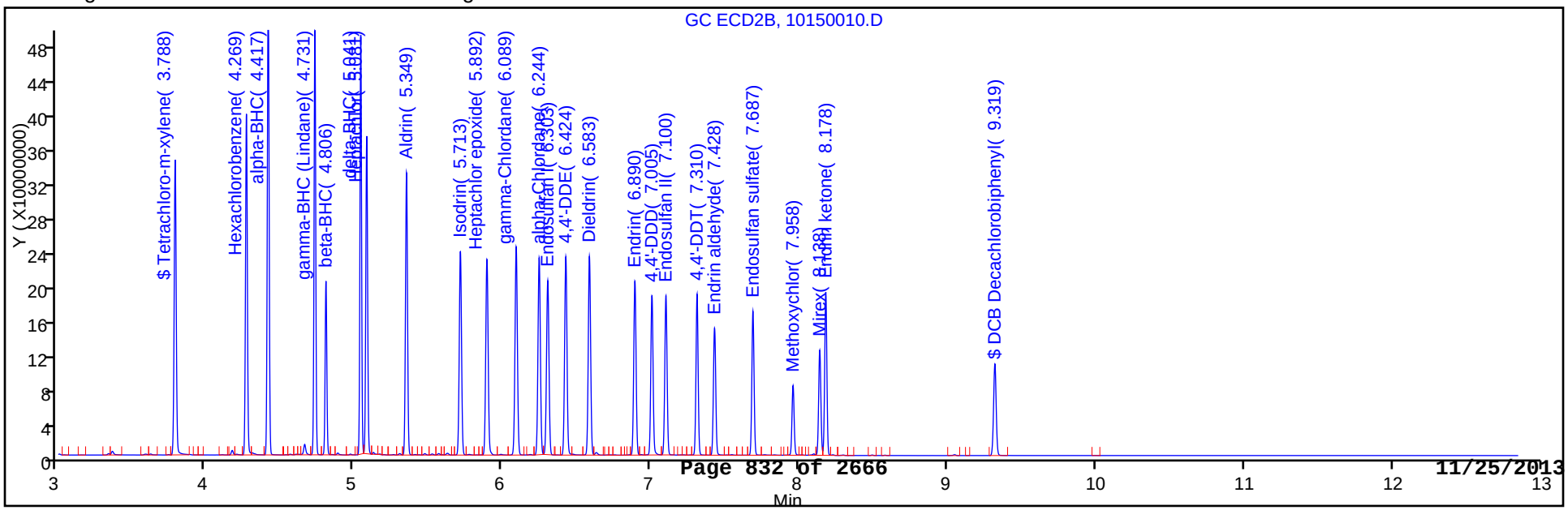
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D

Injection Date:	15-Oct-2013 15:24:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150011.D		
Lims ID:	STD5 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:40:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	196035	Lims Sample ID:	11
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:35:59	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		
First Level Reviewer: wellsd		Date:	15-Oct-2013 20:58:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.842	0.001	96832403	74.7			
2	2	3.789	3.789	0.000	253867906	73.8			
						RPD = 1.29			
8 Hexachlorobenzene									
1	100	4.253	4.251	0.002	121431362	74.4			
2	2	4.270	4.270	0.000	261832068	73.9			
						RPD = 0.74			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	142539799	74.6			
2	2	4.417	4.416	0.001	348345190	73.9			
						RPD = 0.94			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.712	0.001	127968871	74.5			
2	2	4.731	4.731	0.000	296543397	73.8			
						RPD = 1.02			
12 beta-BHC									
1	100	4.790	4.789	0.001	52193512	74.2			
2	2	4.805	4.806	-0.001	119957275	73.1			
						RPD = 1.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.940	4.939	0.001	130045420	74.5			
2	2	5.041	5.041	0.000	276461035	73.6			
						RPD = 1.29			
15 Heptachlor									
1	100	5.115	5.115	0.000	109428611	74.0			
2	2	5.081	5.081	0.000	238175581	72.6			
						RPD = 1.96			
16 Aldrin									
1	-65	5.377	5.376	0.001	121276902	74.8			
2	2	5.350	5.350	0.000	235855783	73.6			
						RPD = 1.57			
18 Isodrin									
1	100	5.690	5.688	0.002	100781122	74.5			
2	2	5.713	5.714	-0.001	191251404	73.4			
						RPD = 1.49			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	104155924	74.2			
2	2	5.893	5.893	0.000	196589025	73.1			
						RPD = 1.50			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	110412786	74.6			
2	2	6.090	6.090	0.000	205518579	73.7			
						RPD = 1.28			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	107496767	74.5			
2	2	6.245	6.245	0.000	192999122	73.6			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	114268649	74.8			
2	2	6.425	6.425	0.000	194361123	73.6			
						RPD = 1.64			
26 Endosulfan I									
1	100	6.380	6.379	0.001	100632916	74.0			
2	2	6.303	6.303	0.000	177023075	72.9			
						RPD = 1.53			
28 Dieldrin									
1	100	6.626	6.626	0.000	111174859	74.3			
2	2	6.585	6.585	0.000	193285518	73.6			
						RPD = 0.95			
30 Endrin									
1	-65	6.861	6.861	0.000	98323615	74.4			
2	2	6.891	6.891	0.000	166169544	73.6			
						RPD = 1.03			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	86372318	74.6			
2	2	7.006	7.006	0.000	150528928	73.6			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.082	7.081	0.001	91497091	74.0			
2	2	7.100	7.100	0.000	151234170	72.9			
						RPD = 1.39			
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	85091698	74.8			
2	2	7.310	7.311	-0.001	140996802	74.3			
						RPD = 0.66			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	78171000	74.0			
2	2	7.428	7.429	-0.001	122852263	73.3			
						RPD = 0.99			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	40982764	74.2			
2	2	7.958	7.958	0.000	62364675	73.5			
						RPD = 0.91			
38 Mirex									
1	100	7.809	7.807	0.002	67894119	74.0			
2	2	8.138	8.138	0.000	96862672	73.4			
						RPD = 0.78			
39 Endosulfan sulfate									M
1	-65	7.900	7.899	0.001	84591873	74.0			
2	2	7.687	7.687	0.000	129683386	72.9			M
						RPD = 1.44			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	98718823	73.9			
2	2	8.179	8.179	0.000	144800006	73.3			
						RPD = 0.73			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	88997474	74.3			
2	2	9.319	9.320	-0.001	98942700	74.1			
						RPD = 0.24			

QC Flag Legend

Review Flags
M - Manually Integrated

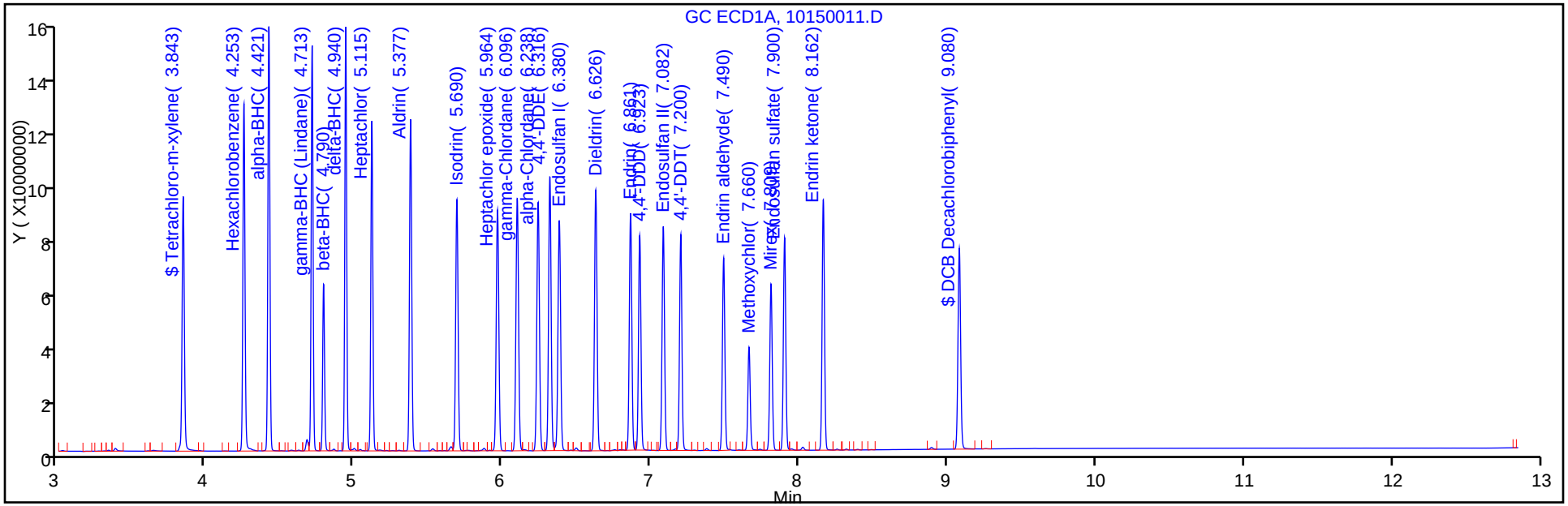
Report Date: 17-Oct-2013 05:35:59 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

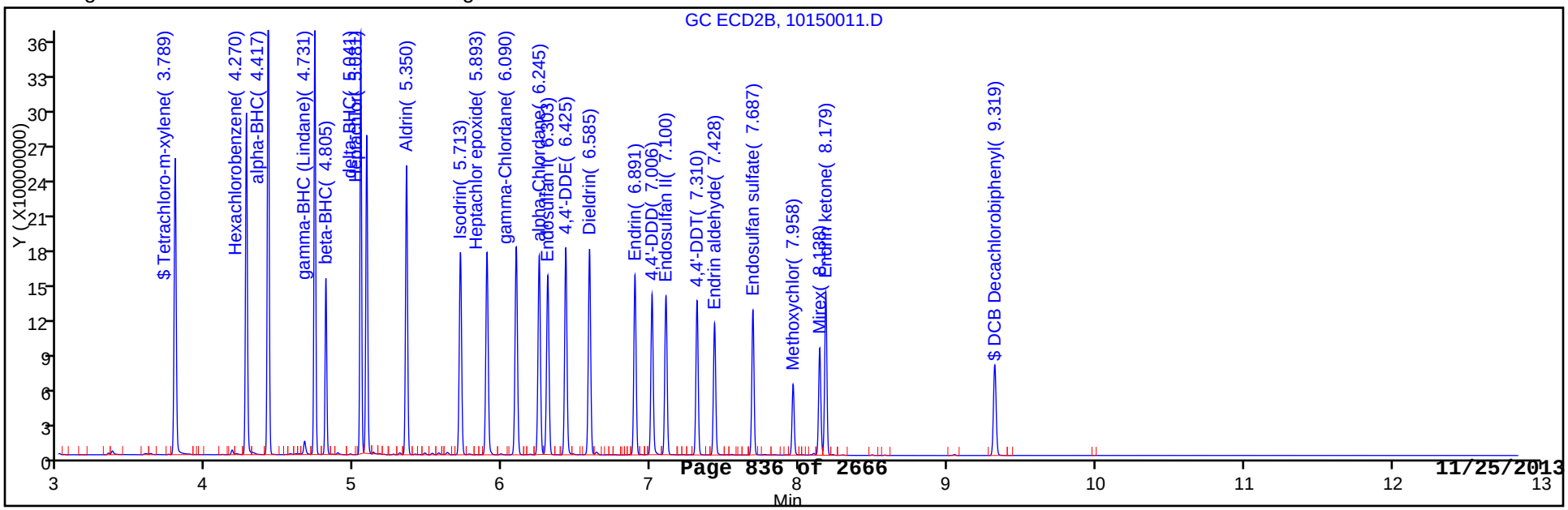
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Injection Date:	15-Oct-2013 15:40:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

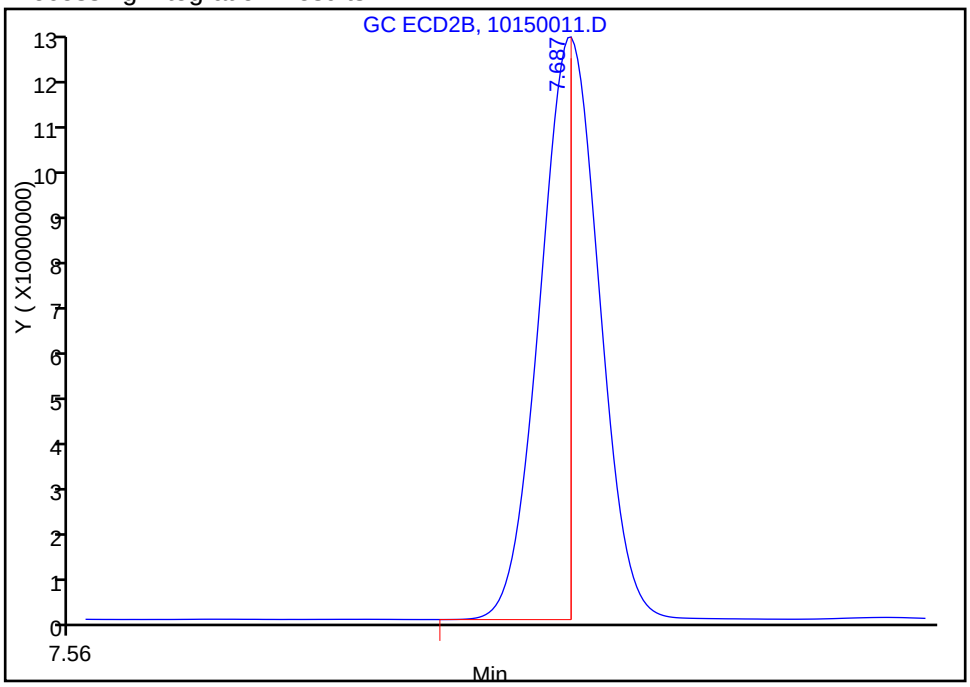
TestAmerica Denver

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Injection Date:	15-Oct-2013 15:40:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

39 Endosulfan sulfate, Signal: 2, Type: quant, RT: 7.69, Det: GC ECD2B

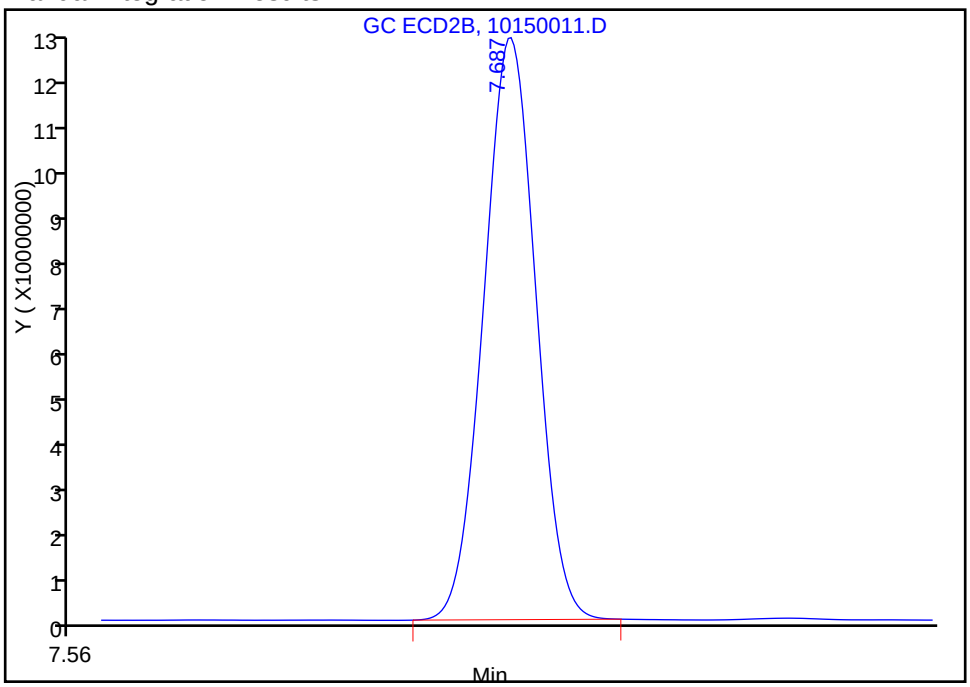
Processing Integration Results

RT: 7.69
Response: 67011483
Amount: 41.936611



Manual Integration Results

RT: 7.69
Response: 129683386
Amount: 72.944433



Reviewer: wellsd, 15-Oct-2013 20:58:50
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150012.D		
Lims ID:	STD4 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:56:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	196035	Lims Sample ID:	12
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:01	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	64397026	49.7			
2	2	3.789	3.789	0.000	171353471	49.5			
						RPD = 0.28			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	80955075	49.5			
2	2	4.270	4.270	0.000	176793253	49.6			
						RPD = 0.13			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	94863375	49.8			
2	2	4.416	4.416	0.000	234817793	49.7			
						RPD = 0.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	85499121	49.8			
2	2	4.731	4.731	0.000	200867719	49.8			
						RPD = 0.08			
12 beta-BHC									
1	100	4.789	4.789	0.000	35110489	49.8			
2	2	4.806	4.806	0.000	82134353	49.7			
						RPD = 0.16			
13 delta-BHC									
1	100	4.939	4.939	0.000	86780295	49.8			
2	2	5.041	5.041	0.000	188053721	49.9			
						RPD = 0.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74032762	50.0			
2	2	5.081	5.081	0.000	166419851	50.4			
						RPD = 0.82			
16 Aldrin									
1	-65	5.376	5.376	0.000	80687252	49.8			
2	2	5.350	5.350	0.000	160028968	49.7			
						RPD = 0.08			
18 Isodrin									
1	100	5.688	5.688	0.000	67400594	49.8			
2	2	5.714	5.714	0.000	130241971	49.7			
						RPD = 0.13			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	70194550	49.9			
2	2	5.893	5.893	0.000	134902020	49.8			
						RPD = 0.12			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	73635168	49.8			
2	2	6.090	6.090	0.000	138999216	49.6			
						RPD = 0.30			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	71760654	49.7			
2	2	6.245	6.245	0.000	131113322	49.7			
						RPD = 0.07			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	76029113	49.8			
2	2	6.425	6.425	0.000	131861626	49.7			
						RPD = 0.11			
26 Endosulfan I									
1	100	6.379	6.379	0.000	67924108	49.9			
2	2	6.303	6.303	0.000	121997376	50.0			
						RPD = 0.19			
28 Dieldrin									
1	100	6.626	6.626	0.000	74744270	49.9			
2	2	6.585	6.585	0.000	131685710	49.9			
						RPD = 0.01			
30 Endrin									
1	-65	6.861	6.861	0.000	66302882	50.2			
2	2	6.891	6.891	0.000	114011388	50.4			
						RPD = 0.37			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	57903714	50.0			
2	2	7.006	7.006	0.000	102812326	50.1			
						RPD = 0.28			
34 Endosulfan II									
1	100	7.081	7.081	0.000	62001650	50.1			
2	2	7.100	7.100	0.000	104876864	50.4			
						RPD = 0.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	56661922	49.8			
2	2	7.311	7.311	0.000	95064817	50.0			
						RPD = 0.39			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	52570729	49.6			
2	2	7.429	7.429	0.000	84029949	49.9			
						RPD = 0.48			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	27596142	49.7			
2	2	7.958	7.958	0.000	42445991	49.8			
						RPD = 0.18			
38 Mirex									
1	100	7.807	7.807	0.000	45832418	49.7			
2	2	8.138	8.138	0.000	65998139	49.7			
						RPD = 0.03			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	57044426	49.8			
2	2	7.687	7.687	0.000	89046907	49.8			
						RPD = 0.12			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	66811174	49.9			
2	2	8.179	8.179	0.000	98875306	49.9			
						RPD = 0.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	59226013	49.2			
2	2	9.320	9.320	0.000	66291857	49.4			
						RPD = 0.35			

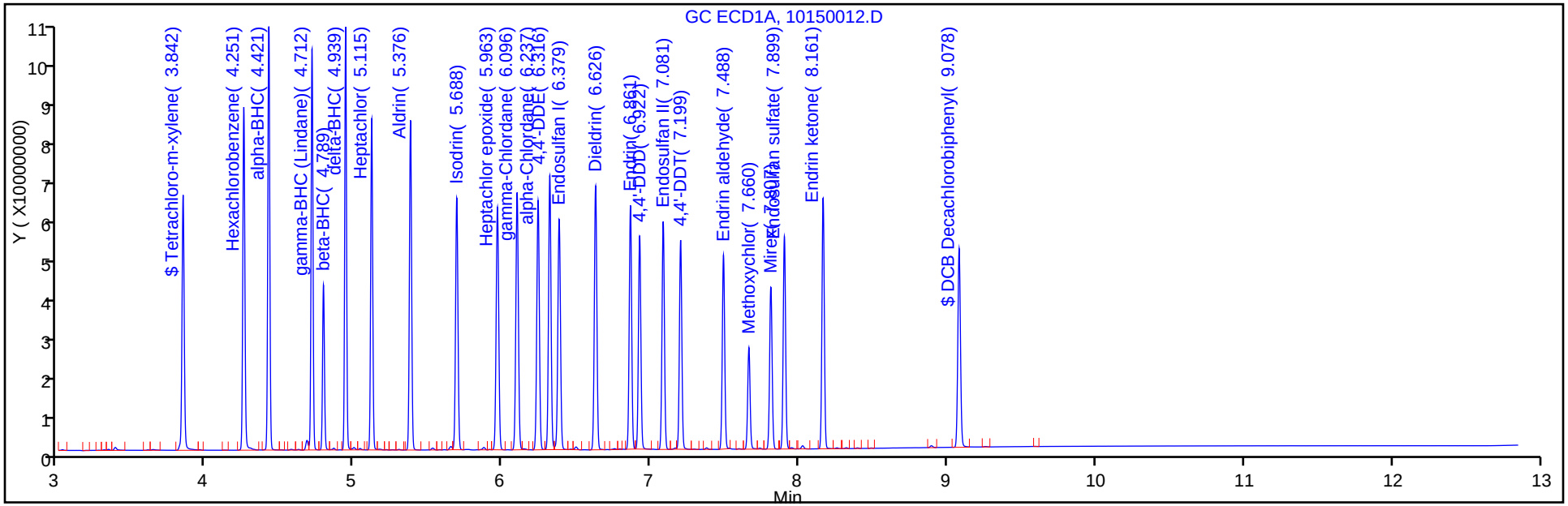
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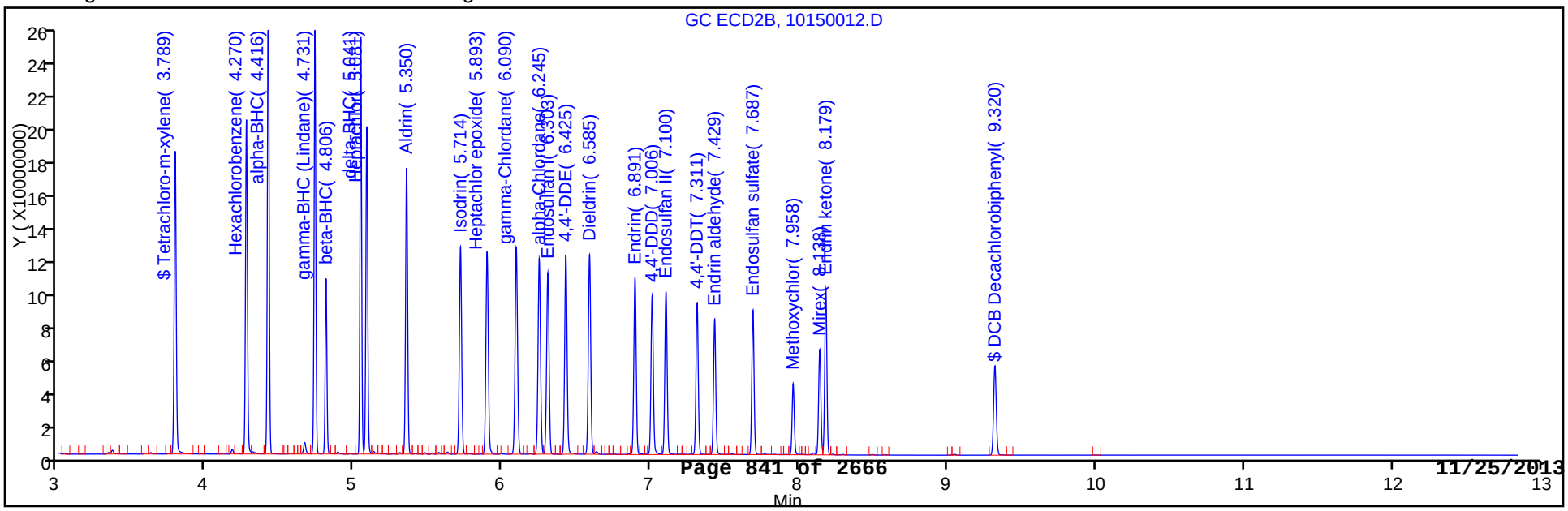
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Injection Date:	15-Oct-2013 15:56:49	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150013.D		
Lims ID:	STD3 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:13:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	196035	Lims Sample ID:	13
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:04	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	33563798	25.8			
2	2	3.788	3.789	-0.001	92480097	26.3			
						RPD = 1.96			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	42430089	25.8			
2	2	4.269	4.270	-0.001	94762903	26.2			
						RPD = 1.31			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	48528088	25.6			
2	2	4.416	4.416	0.000	123556546	26.0			
						RPD = 1.35			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	43935239	25.7			
2	2	4.731	4.731	0.000	105735783	26.0			
						RPD = 1.09			
12 beta-BHC									
1	100	4.791	4.789	0.002	18317243	25.7			
2	2	4.806	4.806	0.000	44137388	26.2			
						RPD = 1.91			
13 delta-BHC									
1	100	4.939	4.939	0.000	44564756	25.7			
2	2	5.041	5.041	0.000	98986790	26.1			
						RPD = 1.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	38457915	25.9			
2	2	5.081	5.081	0.000	88676415	26.5			
						RPD = 2.06			
16 Aldrin									
1	-65	5.377	5.376	0.001	41588964	25.7			
2	2	5.350	5.350	0.000	85222830	26.2			
						RPD = 1.88			
18 Isodrin									
1	100	5.689	5.688	0.001	35033404	25.8			
2	2	5.713	5.714	-0.001	69820755	26.3			
						RPD = 1.73			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	36747458	26.0			
2	2	5.892	5.893	-0.001	72693419	26.4			
						RPD = 1.59			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	37939667	25.6			
2	2	6.090	6.090	0.000	73872524	26.1			
						RPD = 1.64			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	37204951	25.7			
2	2	6.245	6.245	0.000	69768642	26.1			
						RPD = 1.60			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	39089618	25.6			
2	2	6.424	6.425	-0.001	70108952	26.2			
						RPD = 2.08			
26 Endosulfan I									
1	100	6.380	6.379	0.001	35556471	26.0			
2	2	6.302	6.303	-0.001	65704733	26.5			
						RPD = 2.03			
28 Dieldrin									
1	100	6.626	6.626	0.000	38781744	25.9			
2	2	6.584	6.585	-0.001	69379730	26.0			
						RPD = 0.41			
30 Endrin									
1	-65	6.861	6.861	0.000	33705227	25.5			
2	2	6.891	6.891	0.000	58777223	25.7			
						RPD = 0.77			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	29690530	25.6			
2	2	7.006	7.006	0.000	53563770	25.9			
						RPD = 1.06			
34 Endosulfan II									
1	100	7.083	7.081	0.002	32306963	26.0			
2	2	7.100	7.100	0.000	55282089	26.3			
						RPD = 1.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.201	7.199	0.002	29033950	25.5			
2	2	7.310	7.311	-0.001	49047619	25.7			
						RPD = 0.51			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	27933181	26.2			
2	2	7.428	7.429	-0.001	45023232	26.3			
						RPD = 0.67			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	14517895	25.9			
2	2	7.958	7.958	0.000	22523869	26.1			
						RPD = 1.10			
38 Mirex									
1	100	7.810	7.807	0.003	24150224	25.8			
2	2	8.137	8.138	-0.001	35416840	26.2			
						RPD = 1.32			
39 Endosulfan sulfate									
1	-65	7.901	7.899	0.002	29898621	25.9			
2	2	7.686	7.687	-0.001	47746646	26.4			
						RPD = 1.69			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	35203551	26.1			
2	2	8.178	8.179	-0.001	52921569	26.4			
						RPD = 1.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	31582382	25.9			
2	2	9.320	9.320	0.000	35397596	26.0			
						RPD = 0.24			

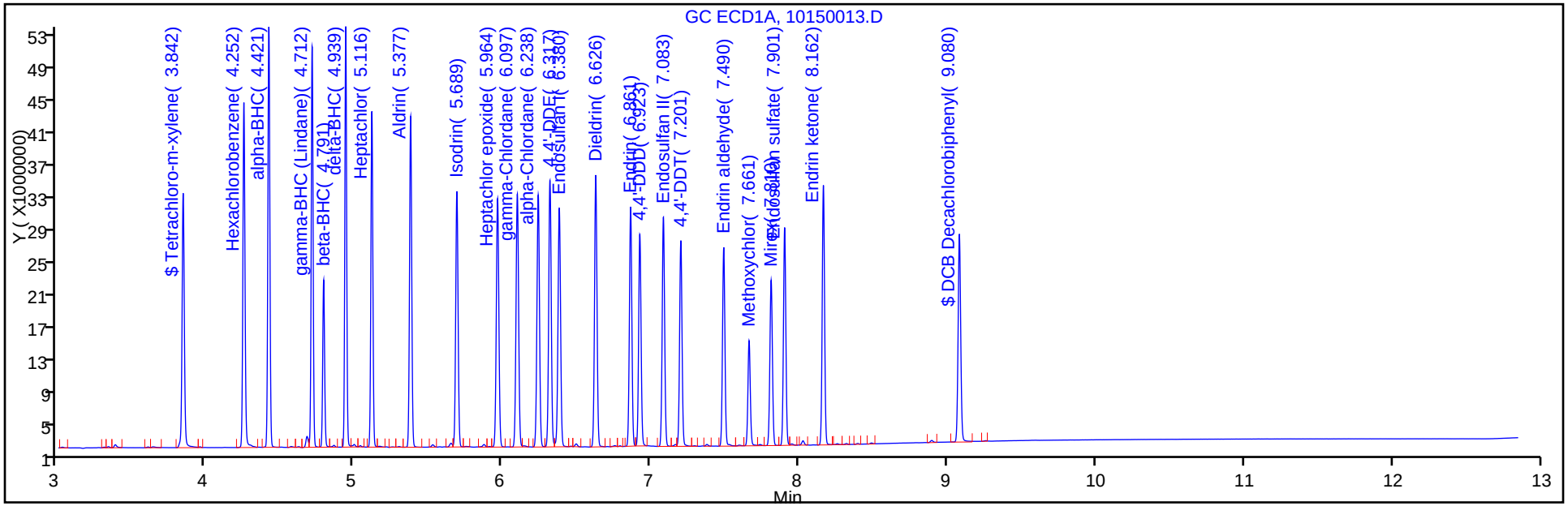
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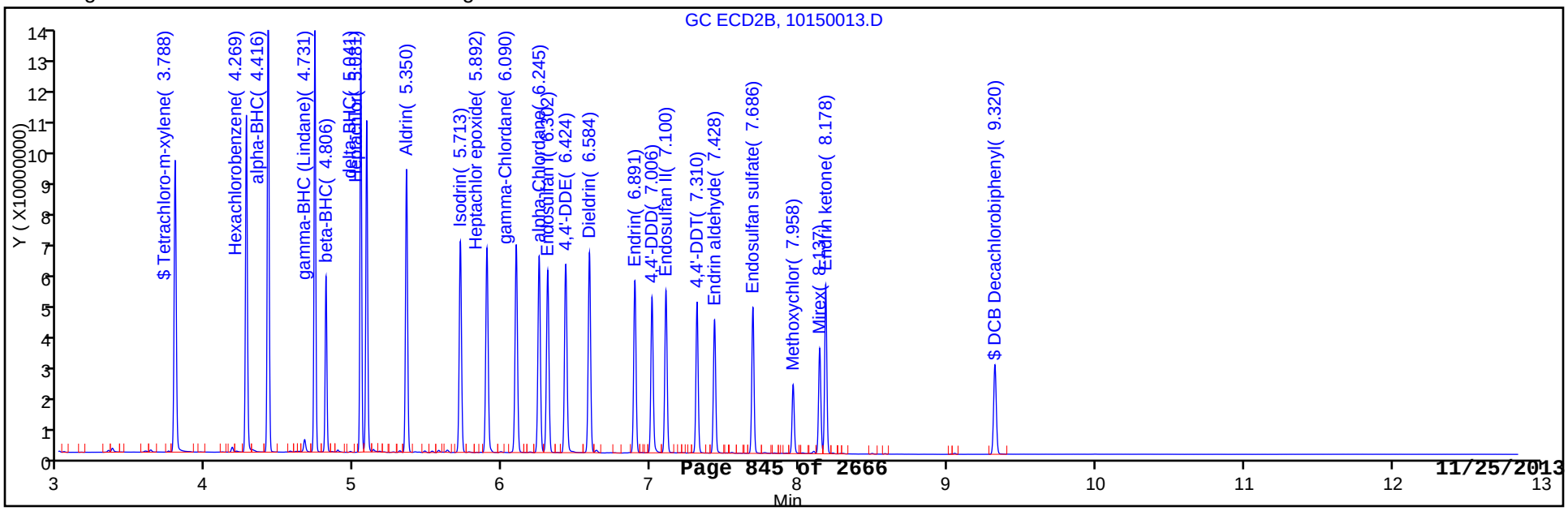
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Injection Date:	15-Oct-2013 16:13:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150014.D
Lims ID: STD2 AB Client ID:
Inject. Date: 15-Oct-2013 16:29:40 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD2 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 196035 Lims Sample ID: 14
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:05 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	12713702	9.72			
2	2	3.789	3.789	0.000	37602944	10.2			
						RPD = 4.97			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	16527807	9.88			
2	2	4.269	4.270	-0.001	38452096	10.1			
						RPD = 1.92			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	17827920	9.61			
2	2	4.416	4.416	0.000	48376594	9.93			
						RPD = 3.19			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	16263017	9.61			
2	2	4.731	4.731	0.000	41734695	9.94			
						RPD = 3.38			
12 beta-BHC									
1	100	4.789	4.789	0.000	7151704	9.73			
2	2	4.806	4.806	0.000	18153822	10.2			
						RPD = 4.34			
13 delta-BHC									
1	100	4.939	4.939	0.000	16451820	9.64			
2	2	5.041	5.041	0.000	38697628	9.92			
						RPD = 2.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	14613700	9.78			
2	2	5.081	5.081	0.000	35650835	10.1			
						RPD = 3.45			
16 Aldrin									
1	-65	5.376	5.376	0.000	15581756	9.71			
2	2	5.350	5.350	0.000	33934065	10.1			
						RPD = 3.63			
18 Isodrin									
1	100	5.689	5.688	0.001	13370397	9.78			
2	2	5.714	5.714	0.000	28270179	10.1			
						RPD = 3.64			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	14064262	9.81			
2	2	5.893	5.893	0.000	29493083	10.2			
						RPD = 3.59			
23 gamma-Chlordane									
1	-65	6.095	6.096	-0.001	14343441	9.68			
2	2	6.090	6.090	0.000	29602274	10.0			
						RPD = 3.66			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	14169561	9.71			
2	2	6.246	6.245	0.001	28073507	10.1			
						RPD = 3.64			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	14705722	9.70			
2	2	6.424	6.425	-0.001	27864151	10.1			
						RPD = 3.73			
26 Endosulfan I									
1	100	6.379	6.379	0.000	13759104	9.88			
2	2	6.304	6.303	0.001	26581940	10.2			
						RPD = 3.20			
28 Dieldrin									
1	100	6.625	6.626	-0.001	14685089	9.76			
2	2	6.584	6.585	-0.001	28132707	10.1			
						RPD = 3.78			
30 Endrin									
1	-65	6.860	6.861	-0.001	12802954	9.68			
2	2	6.892	6.891	0.001	23506512	9.95			
						RPD = 2.75			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	11274454	9.72			
2	2	7.008	7.006	0.002	21301301	10.0			
						RPD = 3.07			
34 Endosulfan II									
1	100	7.081	7.081	0.000	12357272	9.85			
2	2	7.100	7.100	0.000	22286659	10.2			
						RPD = 3.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	11044895	9.73			
2	2	7.311	7.311	0.000	19233150	9.90			
						RPD = 1.69			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	10835292	9.89			
2	2	7.429	7.429	0.000	18136326	10.1			
						RPD = 2.44			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	5867375	10.1			
2	2	7.959	7.958	0.001	9042183	10.1			
						RPD = 0.54			
38 Mirex									
1	100	7.808	7.807	0.001	9783456	10.0			
2	2	8.139	8.138	0.001	14549143	10.1			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	11680468	9.90			
2	2	7.688	7.687	0.001	19117456	10.1			
						RPD = 1.81			
40 Endrin ketone									
1	-65	8.160	8.161	-0.001	13693158	9.92			
2	2	8.179	8.179	0.000	21026501	10.1			
						RPD = 1.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	12853177	10.1			
2	2	9.320	9.320	0.000	14547893	10.2			
						RPD = 0.48			

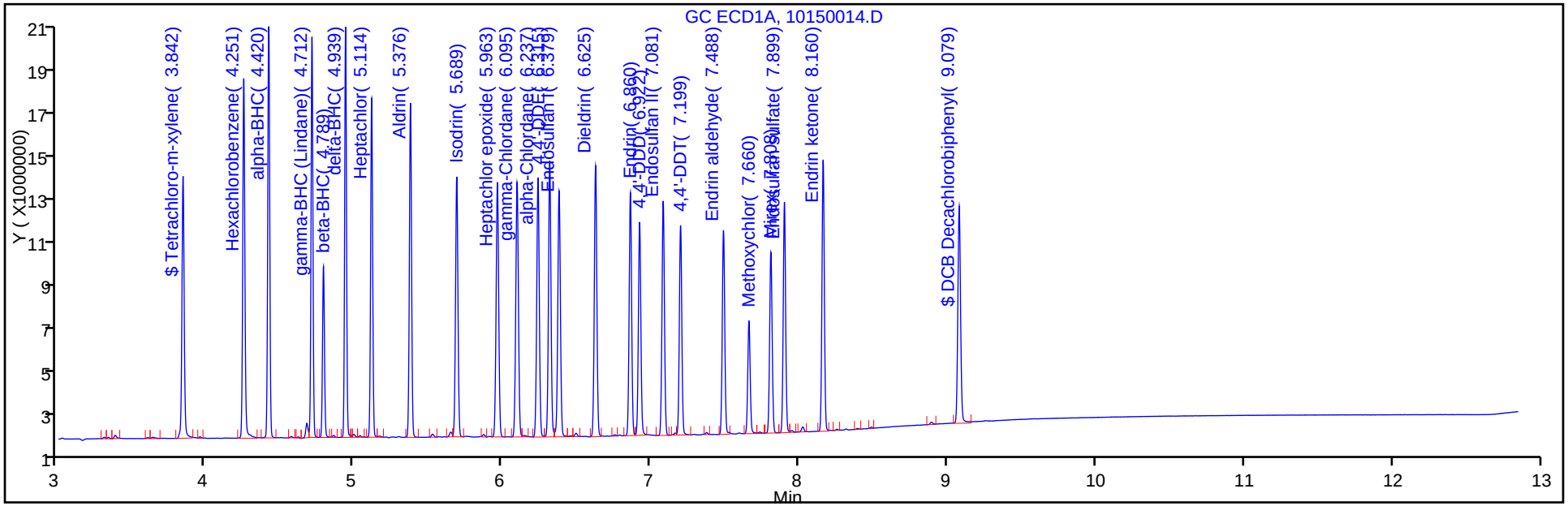
Report Date: 17-Oct-2013 05:36:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

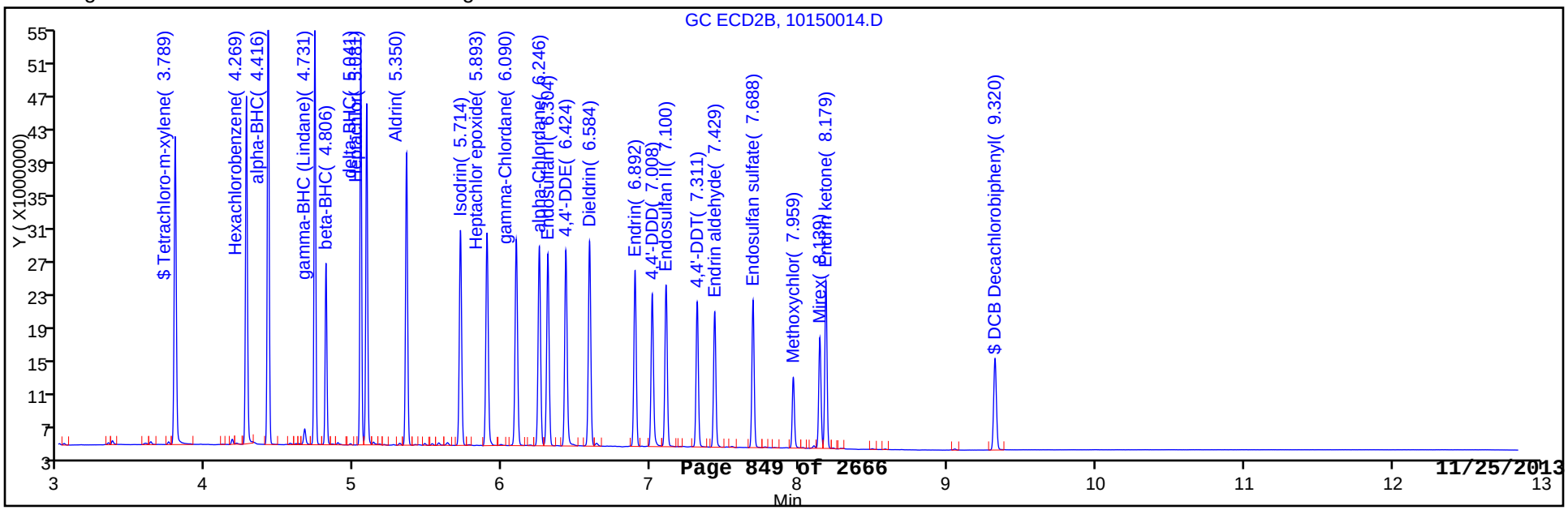
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150014.D

Injection Date:	15-Oct-2013 16:29:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150015.D
Lims ID: STD1 AB Client ID:
Inject. Date: 15-Oct-2013 16:46:02 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 196035 Lims Sample ID: 15
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:06 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	5339708	4.03			
2	2	3.789	3.789	0.000	16239894	3.94			
						RPD = 2.09			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	6968987	4.00			
2	2	4.269	4.270	-0.001	17066086	3.97			
						RPD = 0.89			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	7152111	4.05			
2	2	4.417	4.416	0.001	20583222	3.99			
						RPD = 1.32			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	6676862	4.04			
2	2	4.732	4.731	0.001	17960376	3.99			
						RPD = 1.36			
12 beta-BHC									
1	100	4.790	4.789	0.001	3173375	4.03			
2	2	4.807	4.806	0.001	8115376	3.95			
						RPD = 1.84			
13 delta-BHC									
1	100	4.939	4.939	0.000	6647342	4.04			
2	2	5.042	5.041	0.001	16559974	3.99			
						RPD = 1.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	6101017	4.02			
2	2	5.082	5.081	0.001	15634137	3.95			
						RPD = 1.57			
16 Aldrin									
1	-65	5.377	5.376	0.001	6356478	4.03			
2	2	5.350	5.350	0.000	14545252	3.97			
						RPD = 1.57			
18 Isodrin									
1	100	5.689	5.688	0.001	5598156	4.02			
2	2	5.713	5.714	-0.001	12347578	3.96			
						RPD = 1.56			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	5949949	4.01			
2	2	5.892	5.893	-0.001	12980566	3.95			
						RPD = 1.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	5993561	4.04			
2	2	6.090	6.090	0.000	12830896	3.97			
						RPD = 1.53			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	5986766	4.03			
2	2	6.245	6.245	0.000	12217327	3.97			
						RPD = 1.54			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	6037423	4.03			
2	2	6.425	6.425	0.000	11868460	3.97			
						RPD = 1.62			
26 Endosulfan I									
1	100	6.380	6.379	0.001	5796323	4.00			
2	2	6.302	6.303	-0.001	11563424	3.94			
						RPD = 1.47			
28 Dieldrin									
1	100	6.626	6.626	0.000	6110594	4.02			
2	2	6.584	6.585	-0.001	12079530	3.96			
						RPD = 1.45			
30 Endrin									
1	-65	6.861	6.861	0.000	5340998	4.04			
2	2	6.892	6.891	0.001	10153262	3.99			
						RPD = 1.11			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	4686779	4.03			
2	2	7.007	7.006	0.001	9019165	3.98			
						RPD = 1.27			
34 Endosulfan II									
1	100	7.082	7.081	0.001	5139604	4.00			
2	2	7.101	7.100	0.001	9369960	3.94			
						RPD = 1.55			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	4556279	4.03			
2	2	7.311	7.311	0.000	8088894	4.00			
						RPD = 0.69			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	4647897	4.00			
2	2	7.428	7.429	-0.001	7894943	3.96			
						RPD = 1.02			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	2536638	3.98			
2	2	7.959	7.958	0.001	3868818	3.96			
						RPD = 0.35			
38 Mirex									
1	100	7.808	7.807	0.001	4297504	3.98			
2	2	8.137	8.138	-0.001	6506716	3.96			
						RPD = 0.61			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	4970016	4.00			
2	2	7.687	7.687	0.000	8361728	3.96			
						RPD = 0.89			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	5814342	3.99			
2	2	8.178	8.179	-0.001	9094409	3.96			
						RPD = 0.68			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	5550420	3.97			
2	2	9.320	9.320	0.000	6348501	3.96			
						RPD = 0.23			

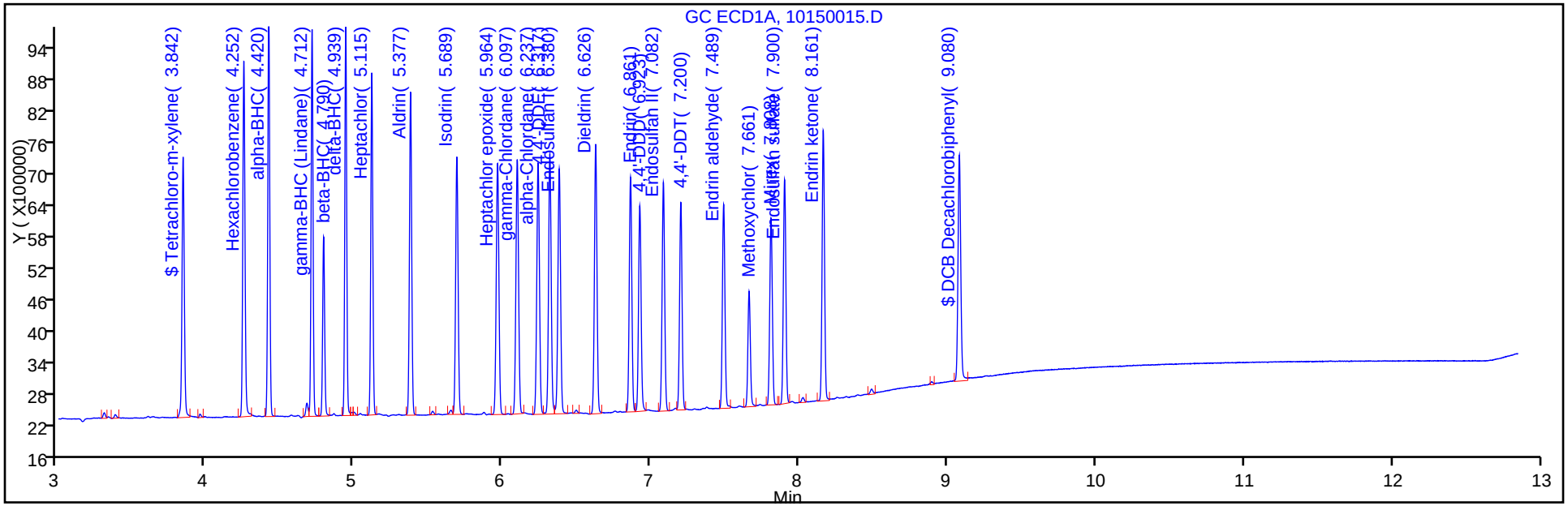
Report Date: 17-Oct-2013 05:36:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

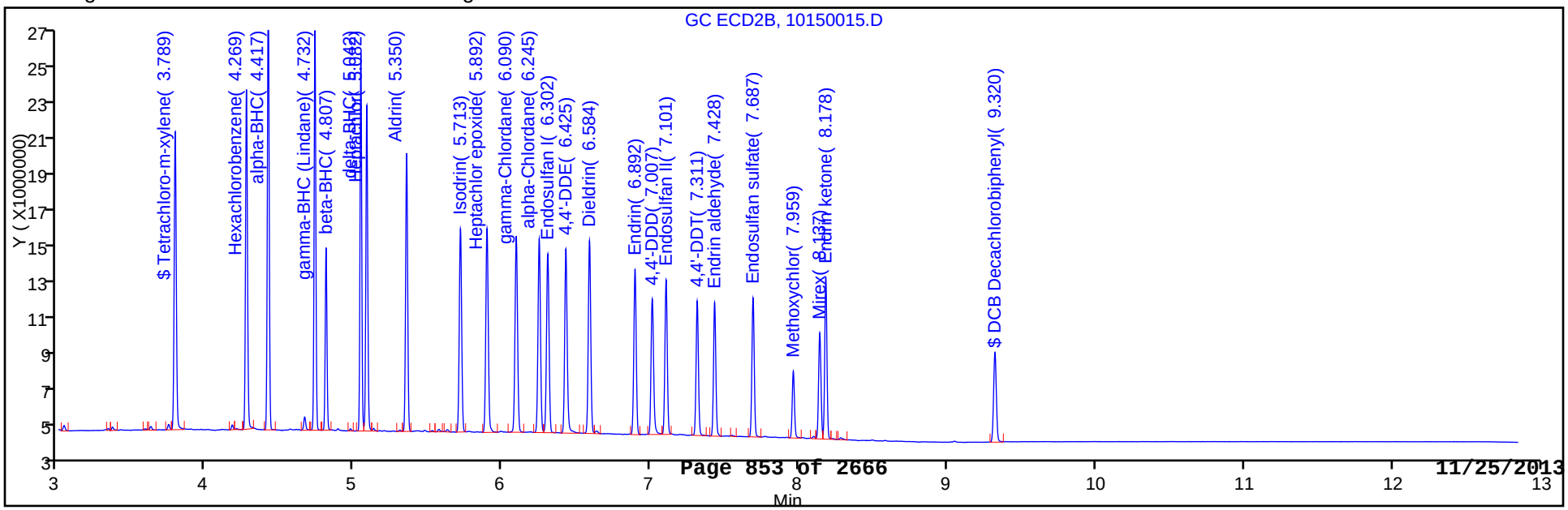
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150015.D

Injection Date:	15-Oct-2013 16:46:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	6.236	6.237	6.236	6.235	6.235	6.236					6.215 - 6.255	6.236
Toxaphene Peak 2	6.721	6.722	6.721	6.721	6.722	6.721					6.701 - 6.741	6.721
Toxaphene Peak 3	7.407	7.408	7.407	7.407	7.407	7.408					7.387 - 7.427	7.407
Toxaphene Peak 4	7.812	7.812	7.810	7.811	7.811	7.811					7.791 - 7.831	7.811
Toxaphene Peak 5	8.144	8.144	8.144	8.144	8.145	8.145					8.124 - 8.164	8.144

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	4748.4 3967.4	4662.8 4438.6	4482.2	4049.0	Lin2	124606.707	4208.64115							0.9960		0.9900
Toxaphene Peak 2	22749 22070	22625 22938	23220	21589	Lin2	82688.9348	22410.5990							0.9990		0.9900
Toxaphene Peak 3	33841 33334	33901 34002	35421	32887	Lin2	36658.4561	33843.6627							0.9990		0.9900
Toxaphene Peak 4	62277 65107	63581 66459	66698	60254	Lin2	-500908.06	64797.3940							0.9980		0.9900
Toxaphene Peak 5	34579 38159	36237 38880	38258	36360	Lin2	-745623.99	38172.3971							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	949677 44386037	2331422	4482174	8098014	19836861	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	4549851 229375178	11312556	23219881	43178108	110352185	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	6768100 340015496	16950284	35420813	65774340	166669850	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	12455400 664594188	31790576	66698060	120507323	325535403	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	6915719 388803471	18118485	38257896	72720167	190794999	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:30:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	196035	Lims Sample ID:	25
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:18	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:04:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	44386037	10517		100.0	M
1	-65	6.721	6.721	0.000	229375178	10231	513.2- 553.2	516.8	M
1	-65	7.408	7.407	0.001	340015496	10046	792.2- 832.2	766.0	M
1	-65	7.811	7.811	0.000	664594188	10264	1468.1-1508.1	1497.3	M
1	-65	8.145	8.144	0.001	388803471	10205	878.0- 918.0	876.0	M
			Average of Peak Amounts =			10253			
2	6	6.563	6.561	0.002	282303718	9304.7		100.0	
2	7	6.832	6.831	0.001	608635398	9642.5	165.8- 225.8	215.6	
2	8	7.183	7.182	0.001	841500554	9569.3	243.1- 303.1	298.1	
2	9	7.435	7.433	0.002	1037917538	9631.5	301.5- 361.5	367.7	
2	10	8.268	8.266	0.002	423681435	9771.0	105.5- 165.5	150.1	
			Average of Peak Amounts =			9583.8			
						RPD = 6.74			

QC Flag Legend

Review Flags
M - Manually Integrated

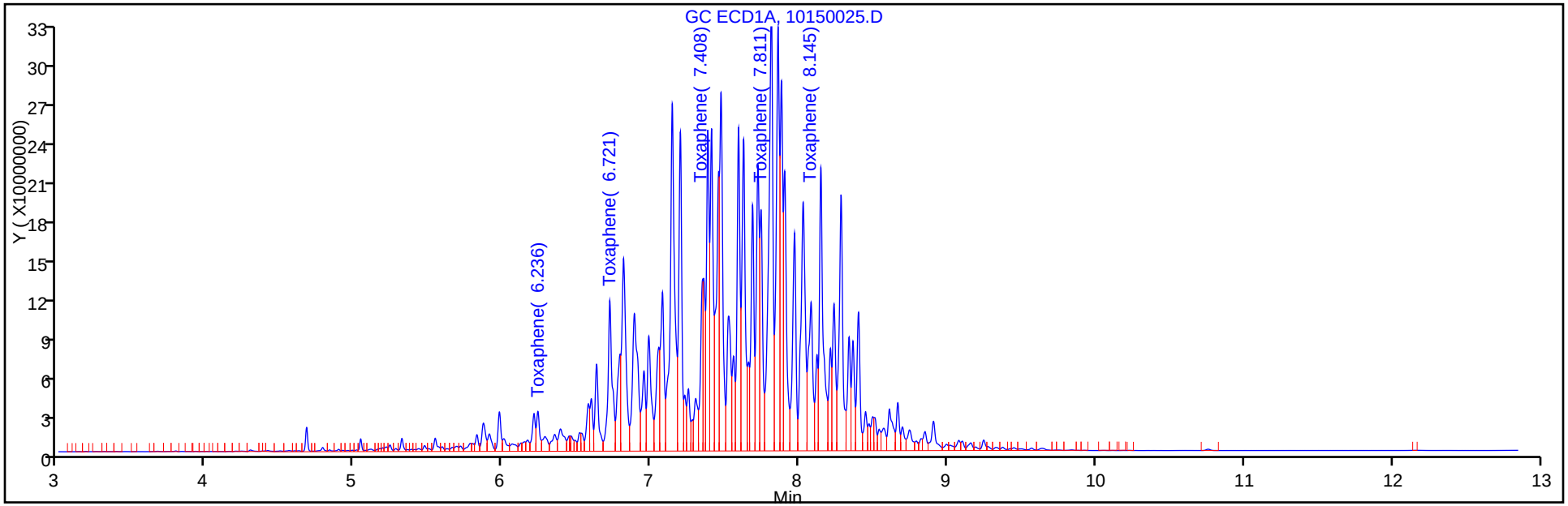
Report Date: 17-Oct-2013 05:36:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

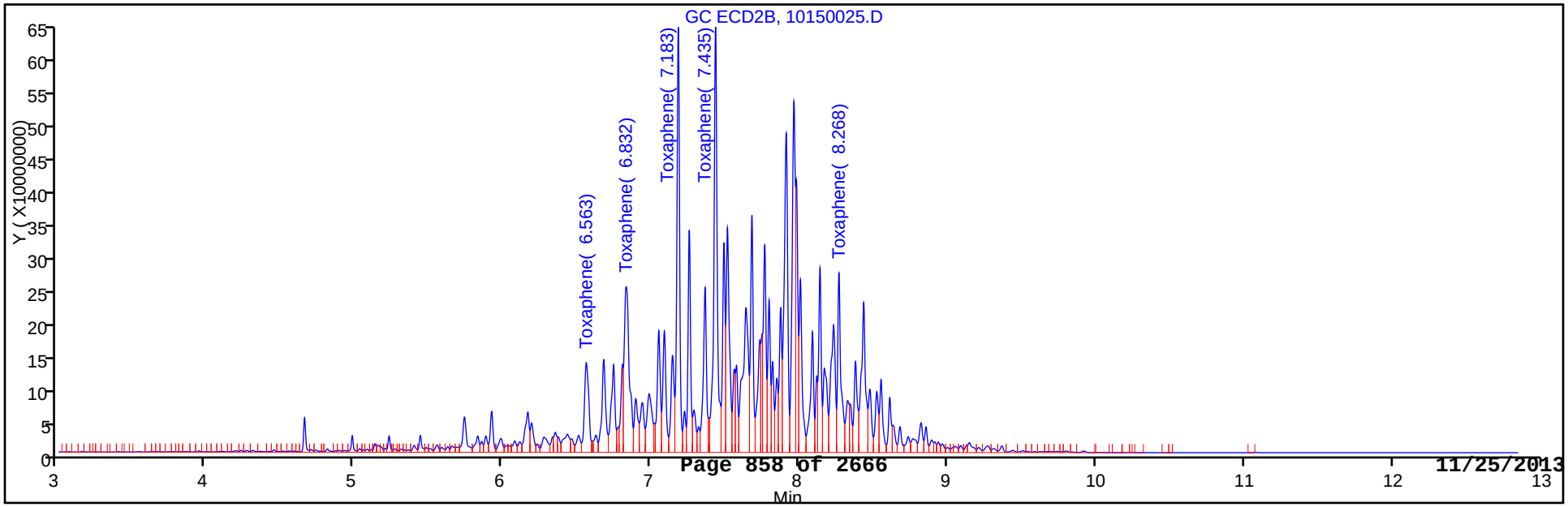
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D

Injection Date:	15-Oct-2013 19:30:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



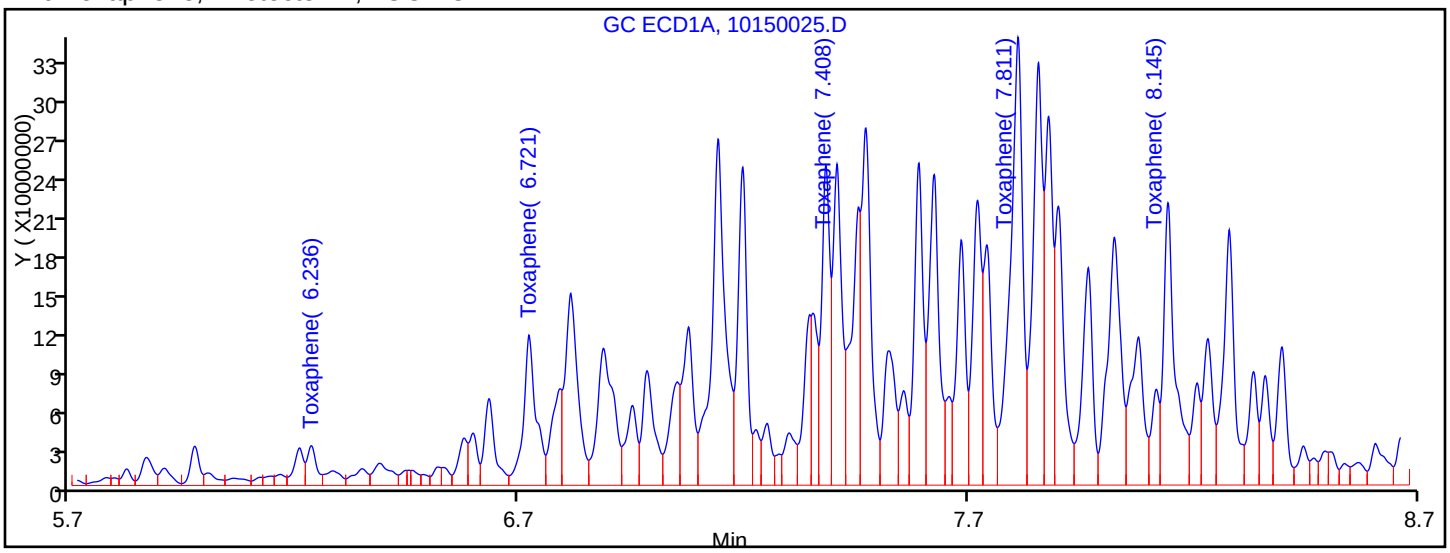
Report Date: 17-Oct-2013 05:36:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D

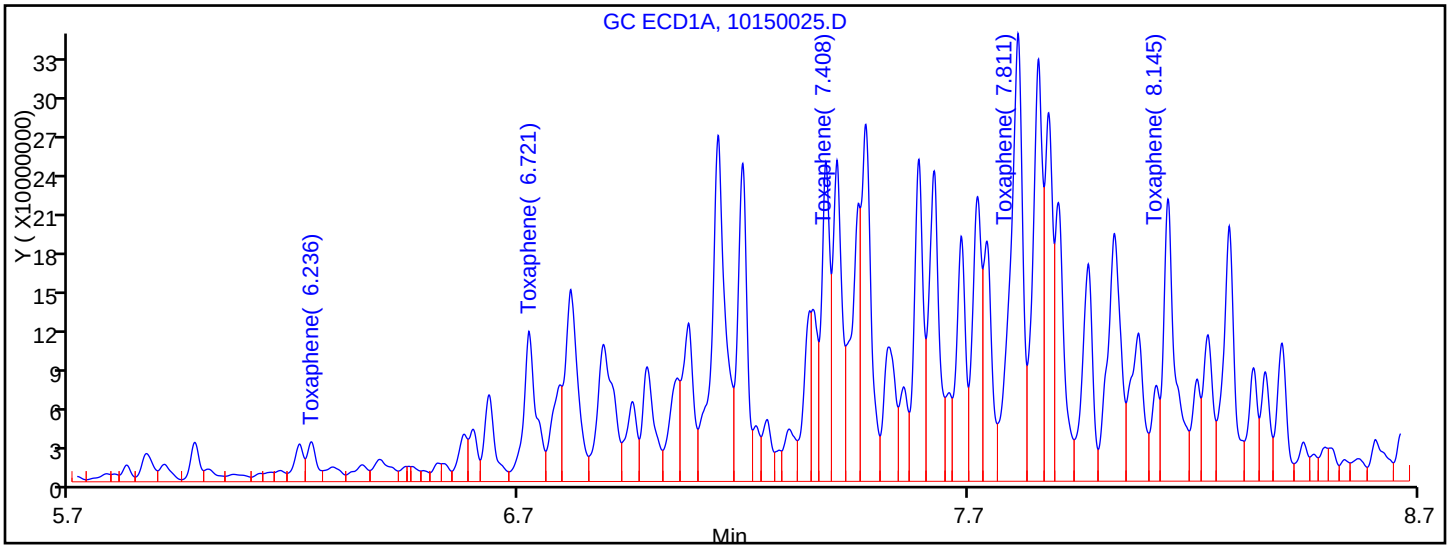
Injection Date:	15-Oct-2013 19:30:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 44094218	M
RT = 6.721	Response = 228924963	M
RT = 7.408	Response = 339929678	M
RT = 7.811	Response = 664526205	M
RT = 8.145	Response = 388836724	M



Manual Integration Results

RT = 6.236	Response = 44386037	M
RT = 6.721	Response = 229375178	M
RT = 7.408	Response = 340015496	M
RT = 7.811	Response = 664594188	M
RT = 8.145	Response = 388803471	M

Reviewer: wellsd, 15-Oct-2013 21:04:58

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:46:33	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	196035	Lims Sample ID:	26
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:19	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:05:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	19836861	4683.8		100.0	M
1	-65	6.722	6.721	0.001	110352185	4920.4	513.2- 553.2	556.3	M
1	-65	7.407	7.407	0.000	166669850	4923.6	792.2- 832.2	840.2	M
1	-65	7.811	7.811	0.000	325535403	5031.6	1468.1-1508.1	1641.1	M
1	-65	8.145	8.144	0.001	190794999	5017.8	878.0- 918.0	961.8	M
			Average of Peak Amounts =			4915.4			
2	6	6.561	6.561	0.000	141337419	4606.3		100.0	
2	7	6.830	6.831	-0.001	306759250	4832.6	165.8- 225.8	217.0	
2	8	7.183	7.182	0.001	428477188	4849.6	243.1- 303.1	303.2	
2	9	7.433	7.433	0.000	525307706	4853.6	301.5- 361.5	371.7	
2	10	8.267	8.266	0.001	211015351	4855.8	105.5- 165.5	149.3	
			Average of Peak Amounts =			4799.6			
						RPD = 2.39			

QC Flag Legend

Review Flags
M - Manually Integrated

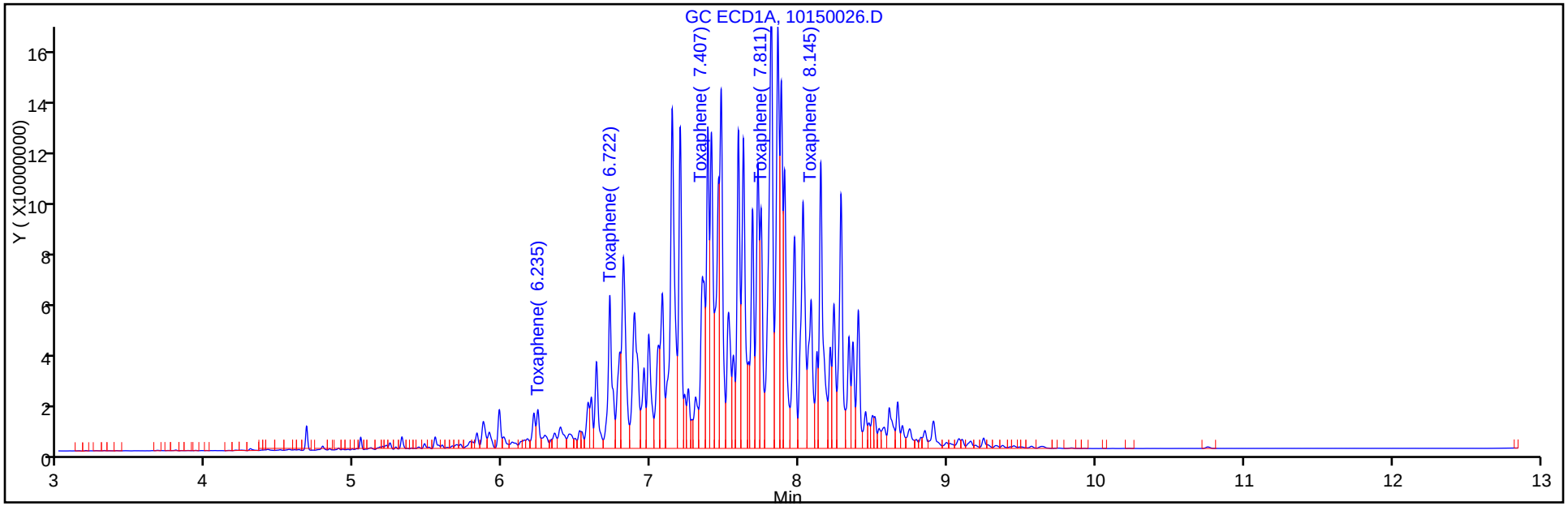
Report Date: 17-Oct-2013 05:36:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

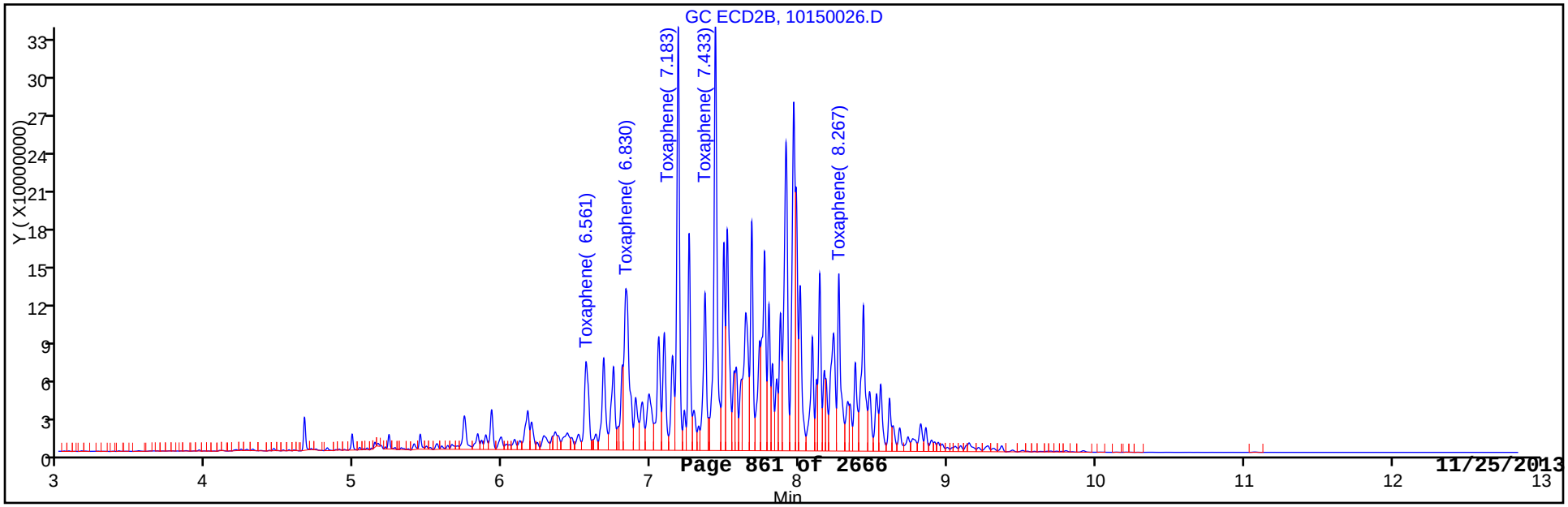
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D

Injection Date:	15-Oct-2013 19:46:33	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



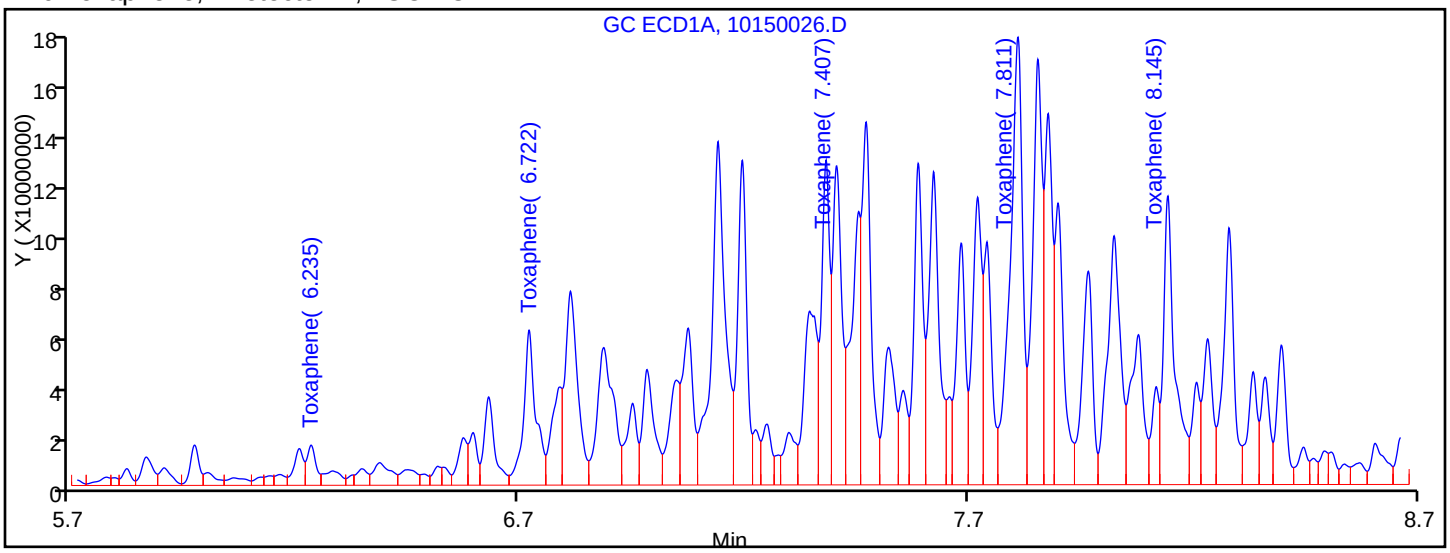
Report Date: 17-Oct-2013 05:36:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D

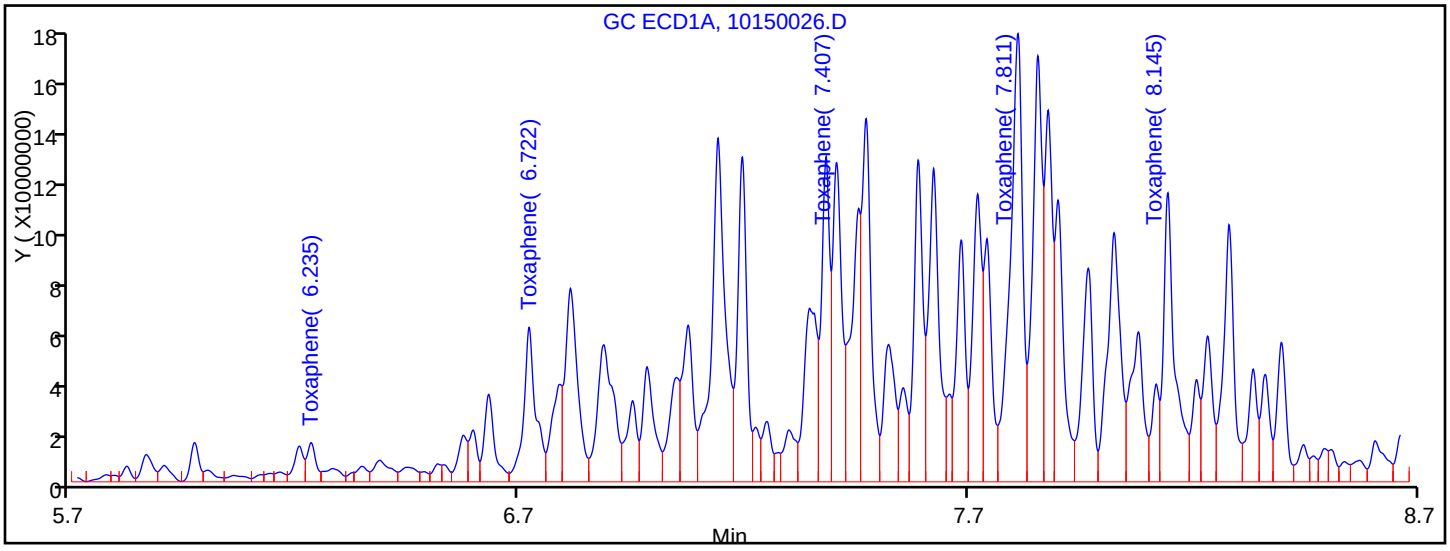
Injection Date:	15-Oct-2013 19:46:33	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.235	Response = 20691537	M
RT = 6.722	Response = 112049273	M
RT = 7.407	Response = 167147026	M
RT = 7.811	Response = 326320494	M
RT = 8.145	Response = 191402218	M



Manual Integration Results

RT = 6.235	Response = 19836861	M
RT = 6.722	Response = 110352185	M
RT = 7.407	Response = 166669850	M
RT = 7.811	Response = 325535403	M
RT = 8.145	Response = 190794999	M

Reviewer: wellsd, 15-Oct-2013 21:05:31

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:02:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	196035	Lims Sample ID:	27
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:20	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	8098014	1894.5		100.0	
1	-65	6.721	6.721	0.000	43178108	1923.0	513.2- 553.2	533.2	
1	-65	7.407	7.407	0.000	65774340	1942.4	792.2- 832.2	812.2	
1	-65	7.811	7.811	0.000	120507323	1867.5	1468.1-1508.1	1488.1	
1	-65	8.144	8.144	0.000	72720167	1924.6	878.0- 918.0	898.0	
			Average of Peak Amounts =			1910.4			
2	6	6.561	6.561	0.000	65576435	2081.2		100.0	M
2	7	6.831	6.831	0.000	128407215	1990.8	165.8- 225.8	195.8	M
2	8	7.182	7.182	0.000	179091205	1999.9	243.1- 303.1	273.1	M
2	9	7.433	7.433	0.000	217370281	1983.4	301.5- 361.5	331.5	M
2	10	8.266	8.266	0.000	88826412	2031.7	105.5- 165.5	135.5	M
			Average of Peak Amounts =			2017.4			
						RPD = 5.45			

QC Flag Legend

Review Flags
M - Manually Integrated

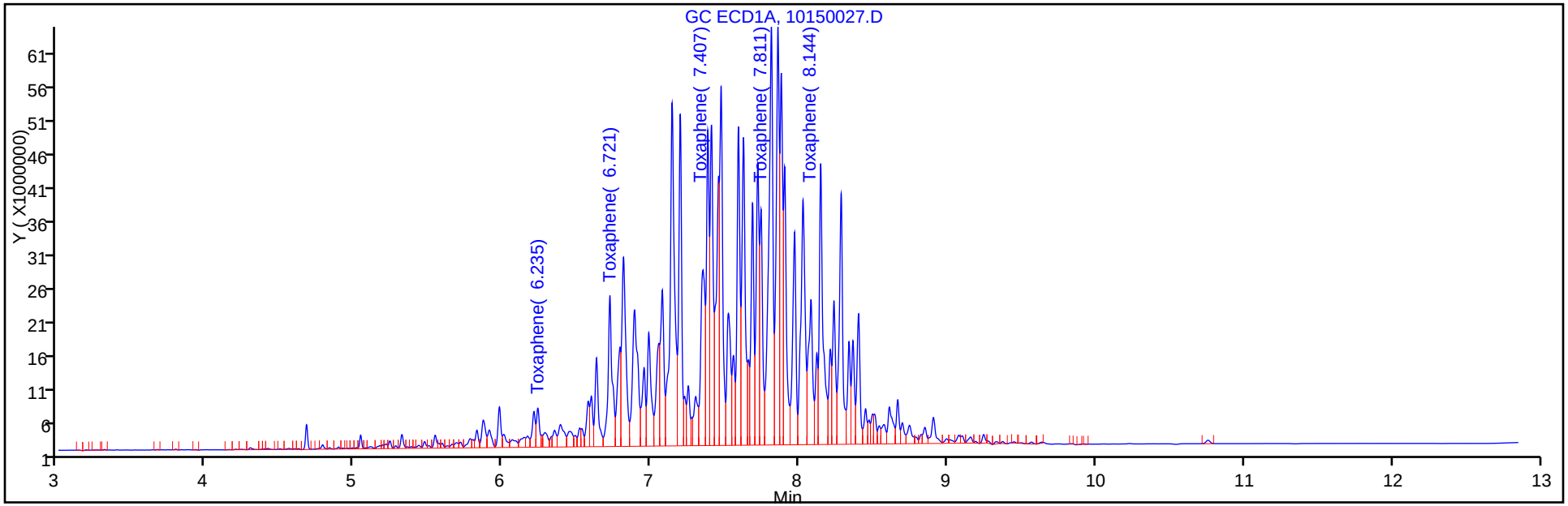
Report Date: 17-Oct-2013 05:36:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

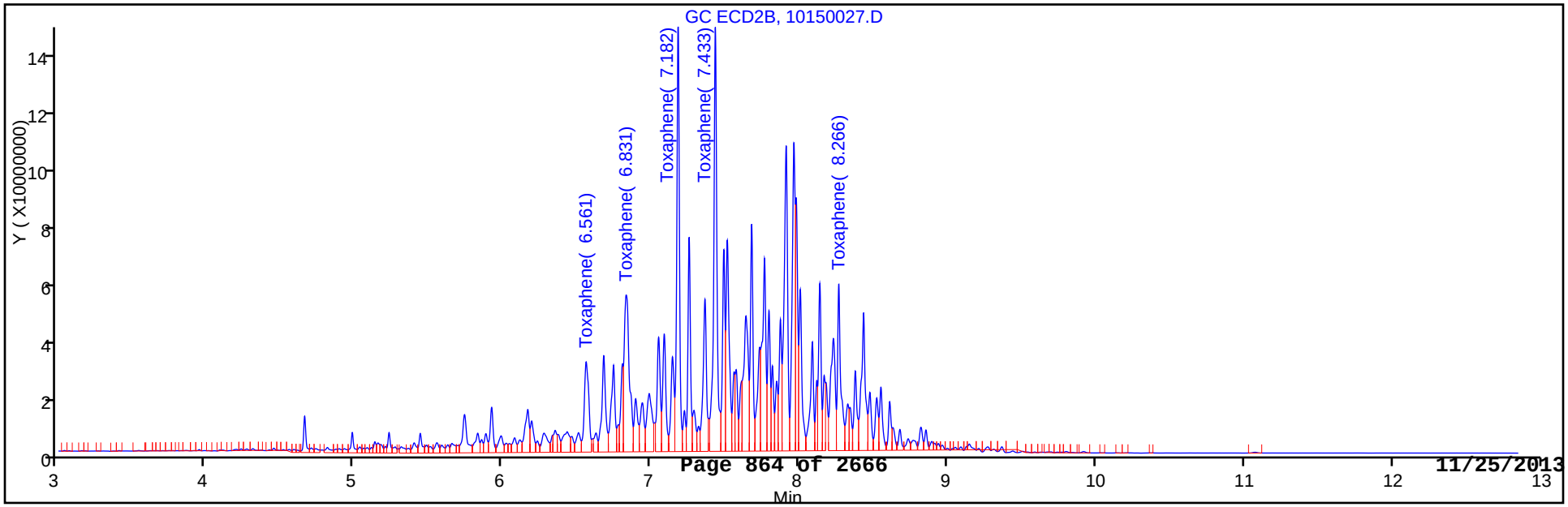
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D

Injection Date:	15-Oct-2013 20:02:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:19:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	196035	Lims Sample ID:	28
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:22	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	4482174	1035.4		100.0	M
1	-65	6.721	6.721	0.000	23219881	1032.4	513.2- 553.2	518.0	M
1	-65	7.407	7.407	0.000	35420813	1045.5	792.2- 832.2	790.3	M
1	-65	7.810	7.811	-0.001	66698060	1037.1	1468.1-1508.1	1488.1	M
1	-65	8.144	8.144	0.000	38257896	1021.8	878.0- 918.0	853.6	M
			Average of Peak Amounts =			1034.4			
2	6	6.562	6.561	0.001	36719362	1119.4		100.0	M
2	7	6.831	6.831	0.000	70885959	1074.3	165.8- 225.8	193.0	M
2	8	7.182	7.182	0.000	98019682	1073.5	243.1- 303.1	266.9	M
2	9	7.433	7.433	0.000	119779628	1073.8	301.5- 361.5	326.2	M
2	10	8.265	8.266	-0.001	46350674	1050.0	105.5- 165.5	126.2	M
			Average of Peak Amounts =			1078.2			
						RPD = 4.14			

QC Flag Legend

Review Flags
M - Manually Integrated

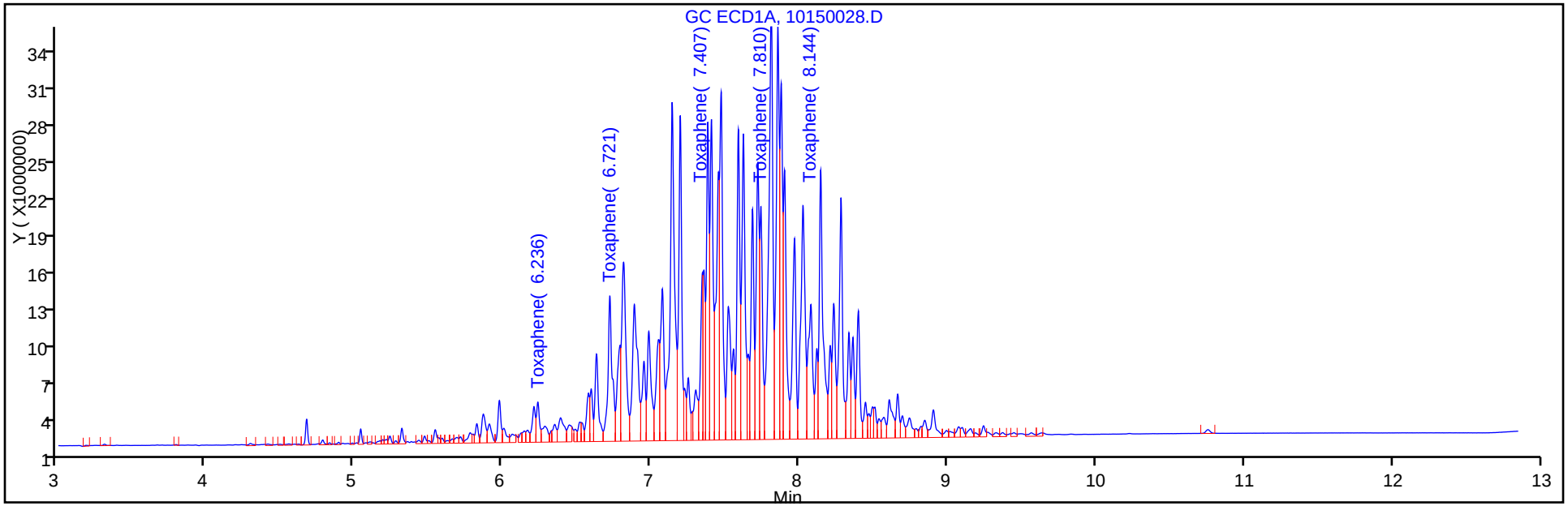
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

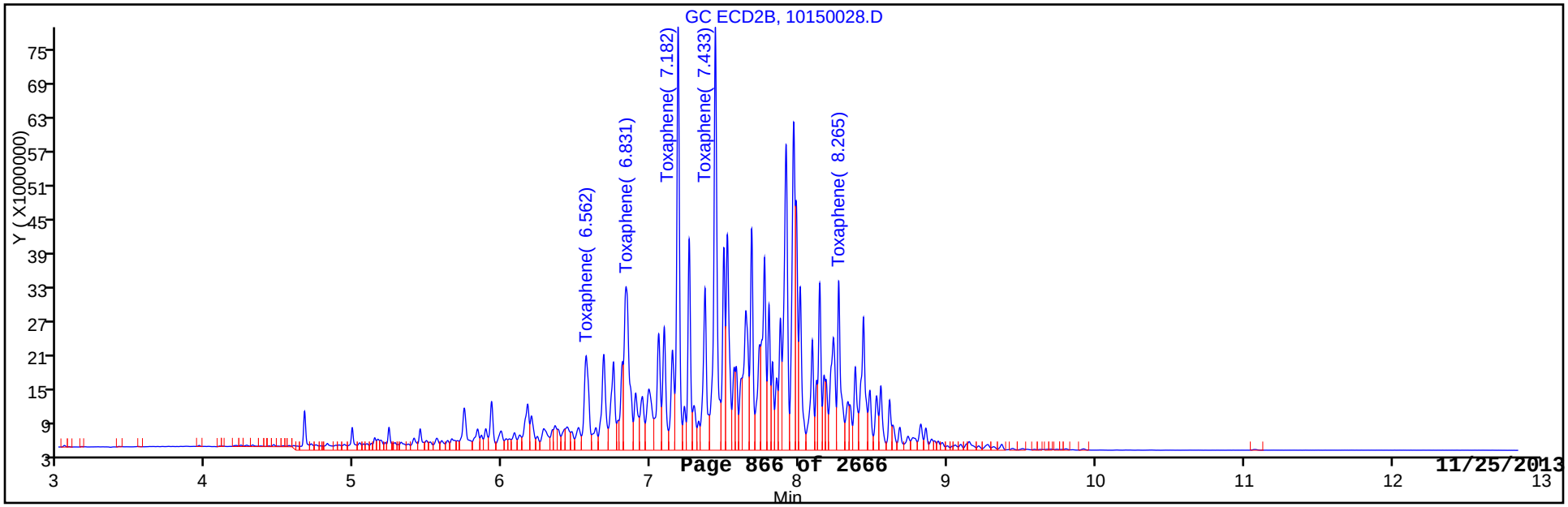
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



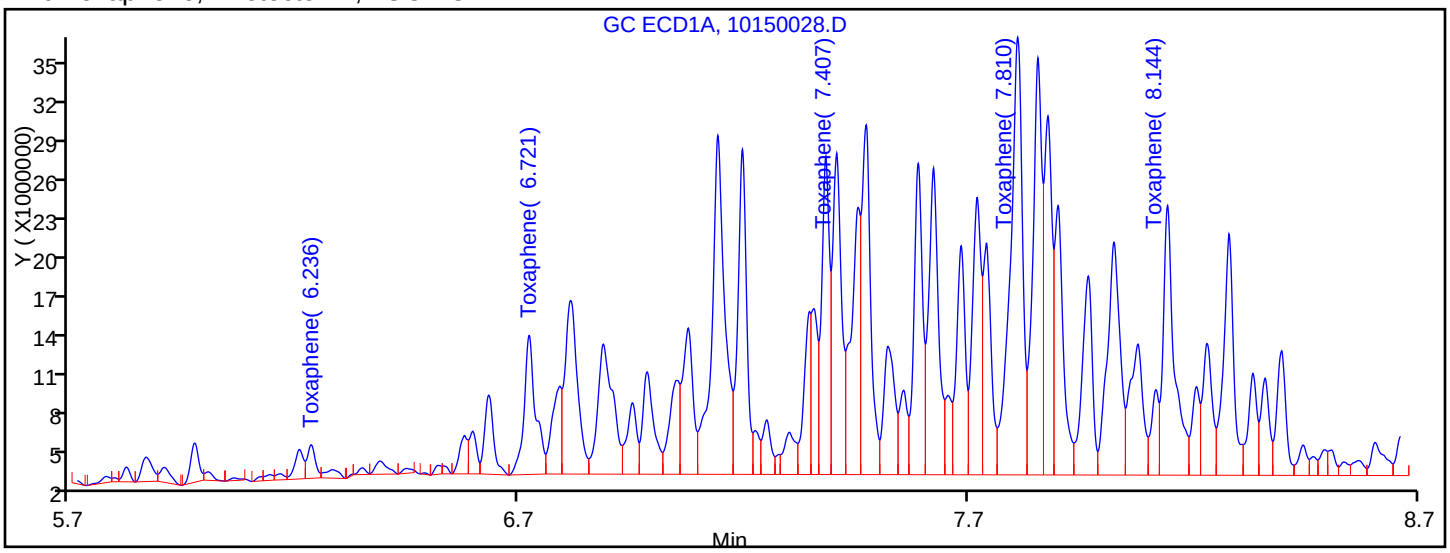
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

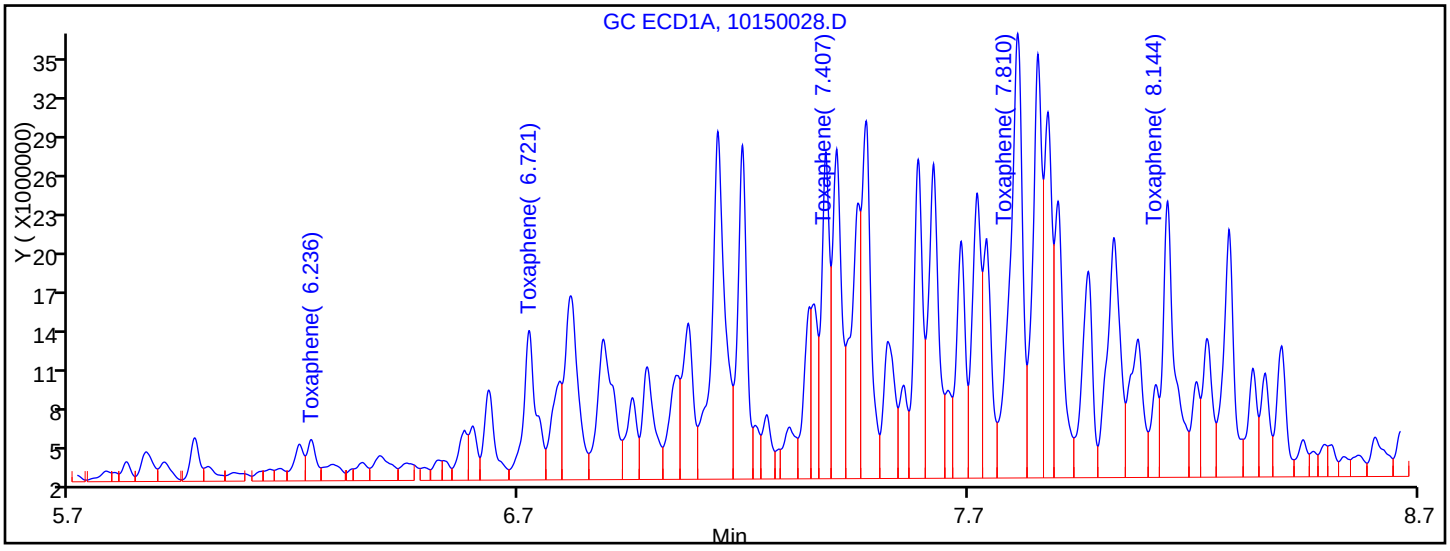
Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 3194929	M
RT = 6.721	Response = 19160023	M
RT = 7.407	Response = 34000477	M
RT = 7.810	Response = 64098888	M
RT = 8.144	Response = 35980903	M



Manual Integration Results

RT = 6.236	Response = 4482174	M
RT = 6.721	Response = 23219881	M
RT = 7.407	Response = 35420813	M
RT = 7.810	Response = 66698060	M
RT = 8.144	Response = 38257896	M

Reviewer: wellsd, 15-Oct-2013 21:06:42

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:35:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	196035	Lims Sample ID:	29
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:23	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:07:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.237	6.235	0.002	2331422	524.4		100.0	M
1	-65	6.722	6.721	0.001	11312556	501.1	513.2- 553.2	485.2	M
1	-65	7.408	7.407	0.001	16950284	499.8	792.2- 832.2	727.0	M
1	-65	7.812	7.811	0.001	31790576	498.3	1468.1-1508.1	1363.6	M
1	-65	8.144	8.144	0.000	18118485	494.2	878.0- 918.0	777.1	M
			Average of Peak Amounts =			503.5			
2	6	6.561	6.561	0.000	18428178	509.7		100.0	
2	7	6.832	6.831	0.001	35459960	509.9	165.8- 225.8	192.4	
2	8	7.182	7.182	0.000	48737796	510.3	243.1- 303.1	264.5	
2	9	7.433	7.433	0.000	59342310	510.5	301.5- 361.5	322.0	
2	10	8.267	8.266	0.001	22409282	496.6	105.5- 165.5	121.6	
			Average of Peak Amounts =			507.4			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

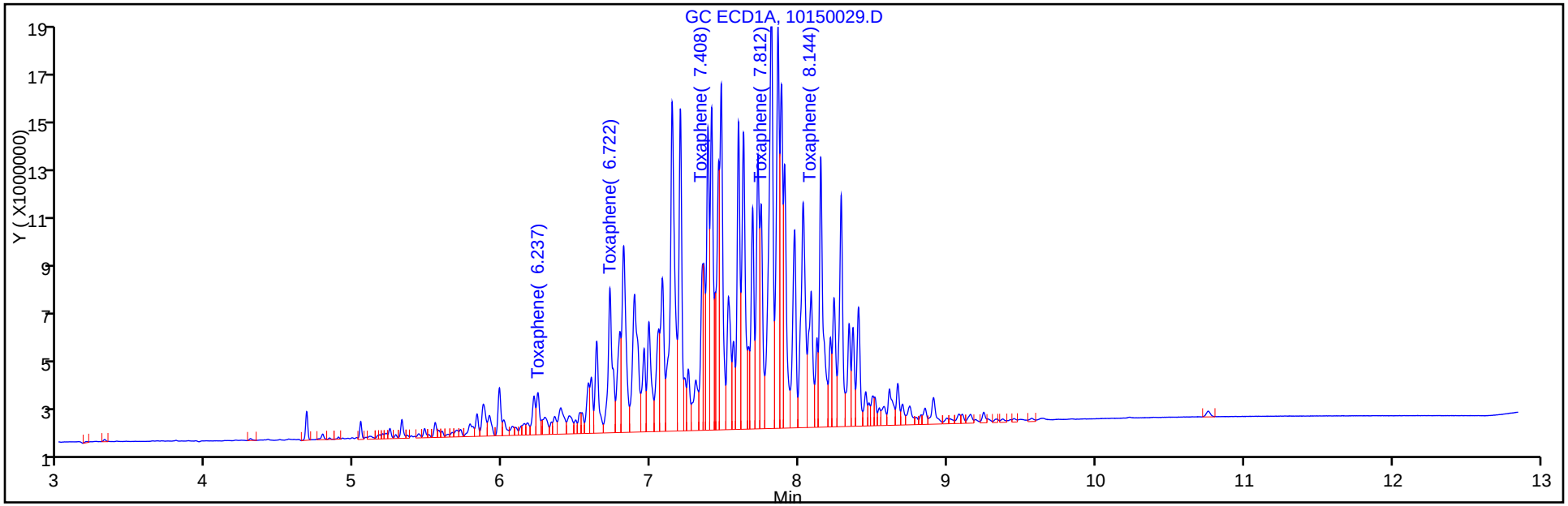
Report Date: 17-Oct-2013 05:36:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

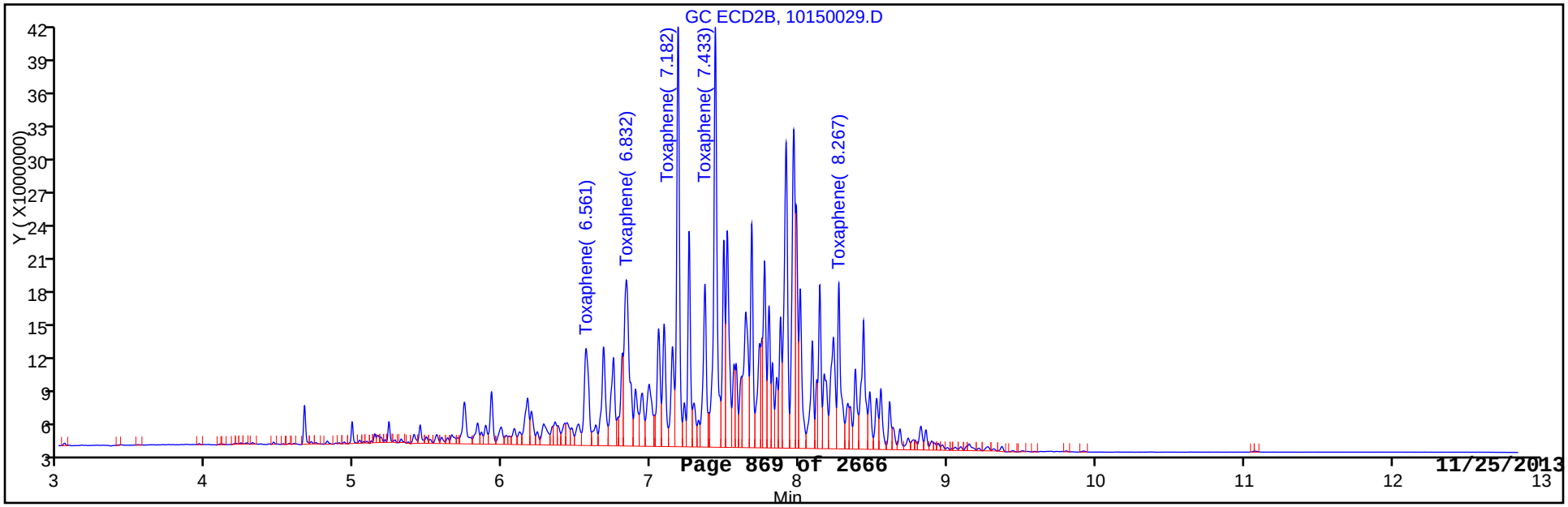
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D

Injection Date:	15-Oct-2013 20:35:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



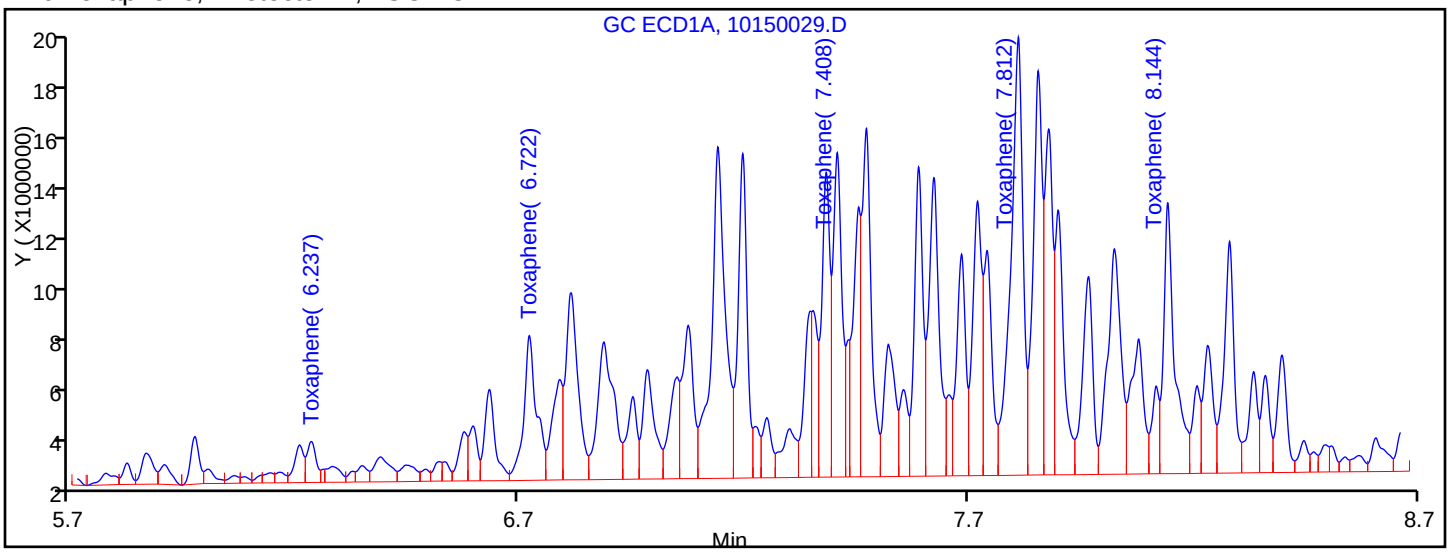
Report Date: 17-Oct-2013 05:36:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D

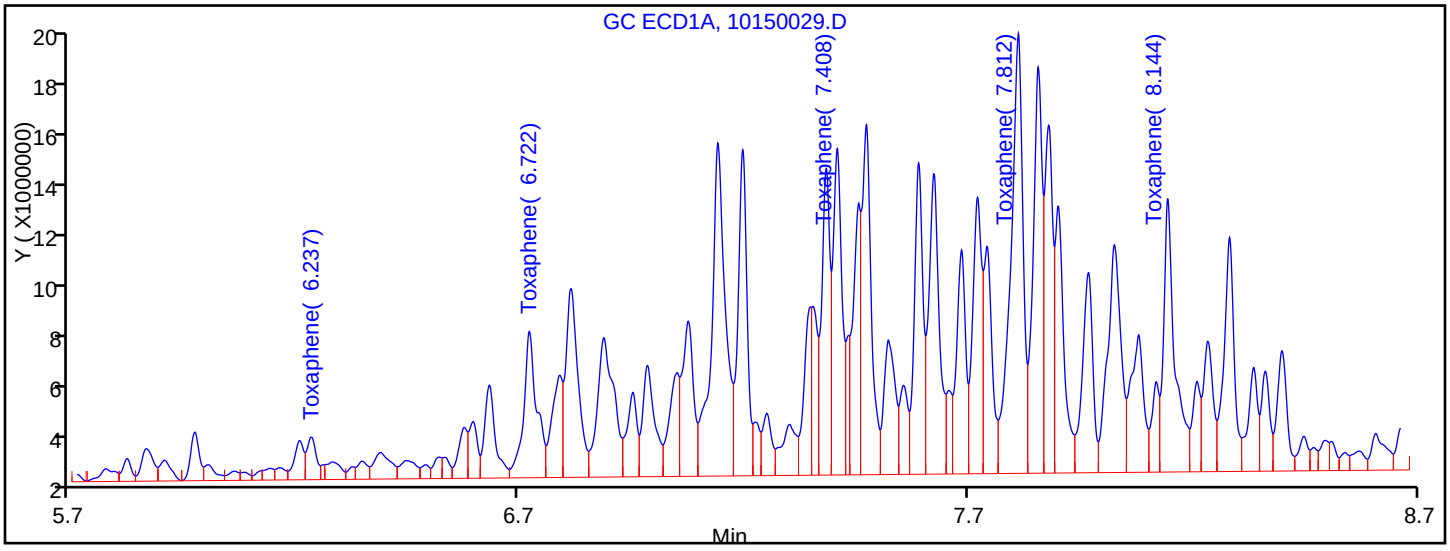
Injection Date:	15-Oct-2013 20:35:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.237	Response = 2197639	M
RT = 6.722	Response = 10965973	M
RT = 7.408	Response = 16773200	M
RT = 7.812	Response = 31397097	M
RT = 8.144	Response = 17687867	M



Manual Integration Results

RT = 6.237	Response = 2331422	M
RT = 6.722	Response = 11312556	M
RT = 7.408	Response = 16950284	M
RT = 7.812	Response = 31790576	M
RT = 8.144	Response = 18118485	M

Reviewer: wellsd, 15-Oct-2013 21:07:16

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D		
Lims ID:	STD1 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:52:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	196035	Lims Sample ID:	30
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:25	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 22:19:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	949677	196.0		100.0	M
1	-65	6.721	6.721	0.000	4549851	199.3	513.2- 553.2	479.1	M
1	-65	7.407	7.407	0.000	6768100	198.9	792.2- 832.2	712.7	M
1	-65	7.812	7.811	0.001	12455400	200.0	1468.1-1508.1	1311.5	M
1	-65	8.144	8.144	0.000	6915719	200.7	878.0- 918.0	728.2	M
			Average of Peak Amounts =			199.0			
2	6	6.563	6.561	0.002	8947892	193.8		100.0	M
2	7	6.832	6.831	0.001	15757788	196.0	165.8- 225.8	176.1	M
2	8	7.182	7.182	0.000	21216556	195.8	243.1- 303.1	237.1	M
2	9	7.433	7.433	0.000	25590535	195.9	301.5- 361.5	286.0	M
2	10	8.266	8.266	0.000	9513424	198.6	105.5- 165.5	106.3	M
			Average of Peak Amounts =			196.0			
						RPD = 1.51			

QC Flag Legend

Review Flags
M - Manually Integrated

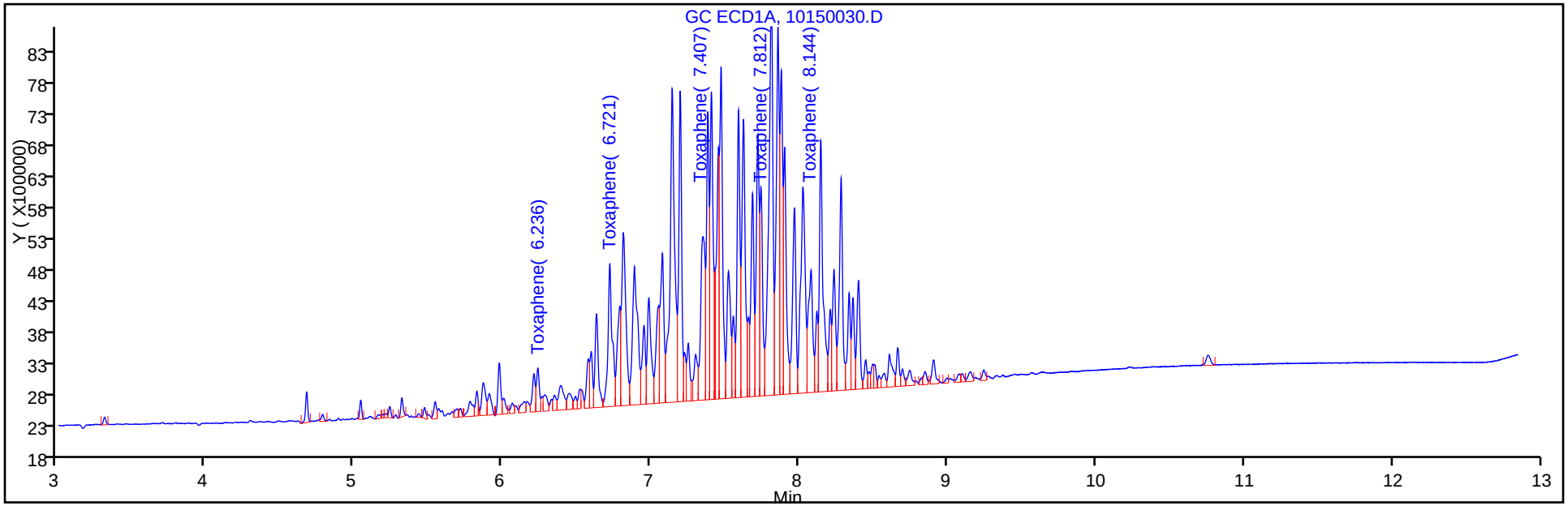
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

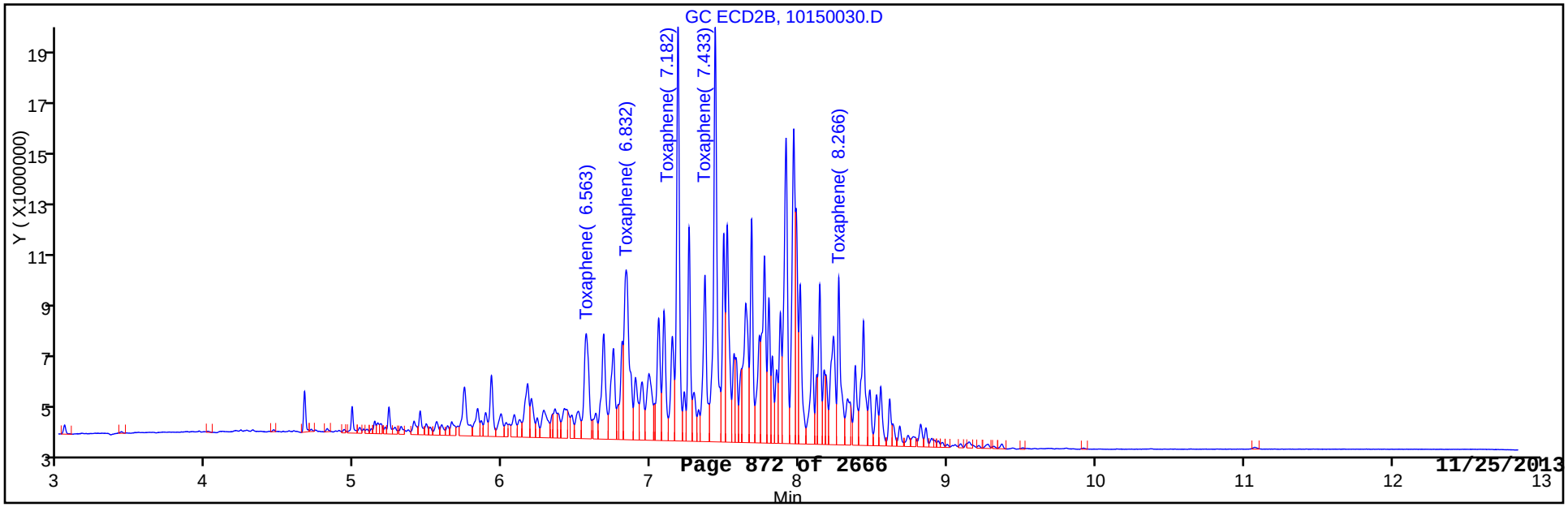
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



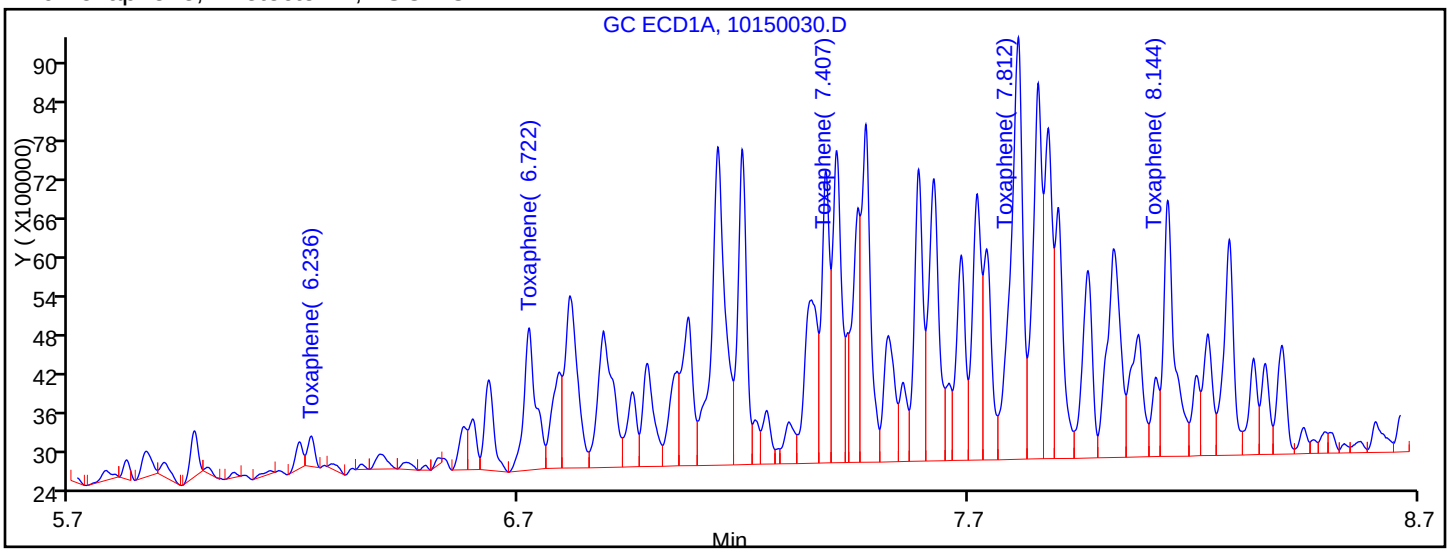
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

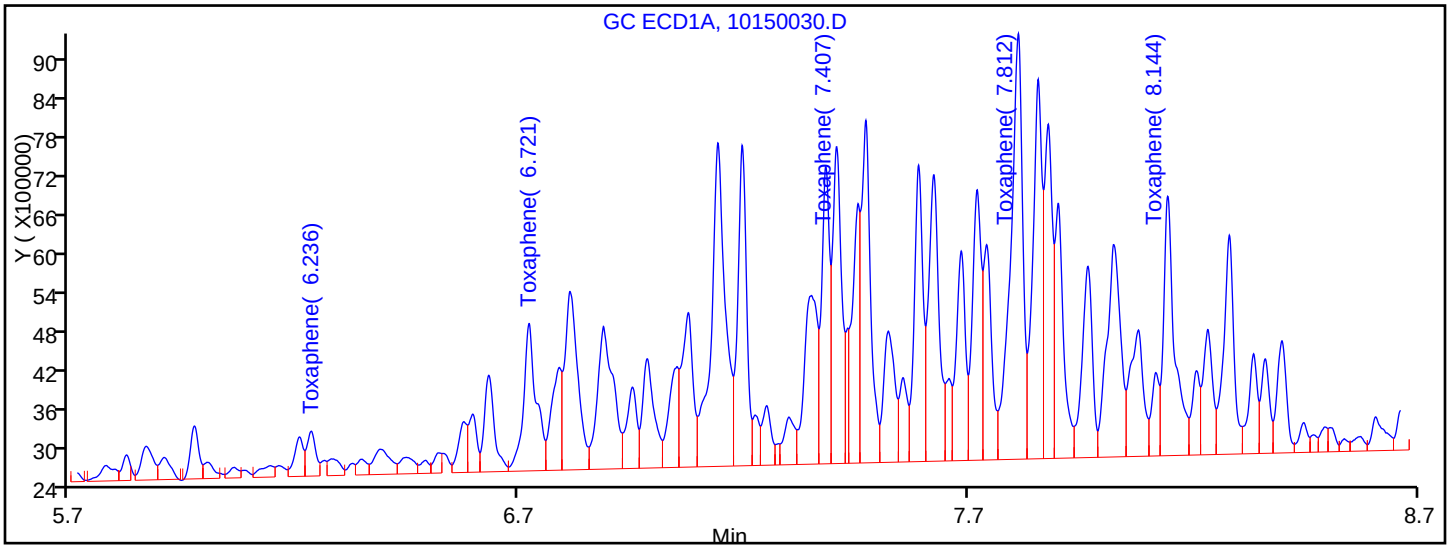
Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 504303	M
RT = 6.722	Response = 4112276	M
RT = 7.407	Response = 6596429	M
RT = 7.812	Response = 12159344	M
RT = 8.144	Response = 6667642	M



Manual Integration Results

RT = 6.236	Response = 949677	M
RT = 6.721	Response = 4549851	M
RT = 7.407	Response = 6768100	M
RT = 7.812	Response = 12455400	M
RT = 8.144	Response = 6915719	M

Reviewer: wellsd, 15-Oct-2013 22:19:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15962

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	6.563	6.561	6.562	6.561	6.561	6.563					6.541 - 6.581	6.562
Toxaphene Peak 2	6.832	6.832	6.831	6.831	6.830	6.832					6.811 - 6.851	6.831
Toxaphene Peak 3	7.182	7.182	7.182	7.182	7.183	7.183					7.162 - 7.202	7.182
Toxaphene Peak 4	7.433	7.433	7.433	7.433	7.433	7.435					7.413 - 7.453	7.433
Toxaphene Peak 5	8.266	8.267	8.265	8.266	8.267	8.268					8.246 - 8.286	8.267

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15962

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	44739 28267	36856 28230	36719	32788	Lin2	3134429.77	30003.0449							0.9920		0.9900
Toxaphene Peak 2	78789 61352	70920 60864	70886	64204	Lin2	3459683.57	62761.4335							0.9970		0.9900
Toxaphene Peak 3	106083 85695	97476 84150	98020	89546	Lin2	4079546.25	87511.5238							0.9970		0.9900
Toxaphene Peak 4	127953 105062	118685 103792	119780	108685	Lin2	4571393.51	107287.849							0.9980		0.9900
Toxaphene Peak 5	47567 42203	44819 42368	46351	44413	Lin2	922784.176	43266.7128							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15962

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	8947892 282303718	18428178	36719362	65576435	141337419	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	15757788 608635398	35459960	70885959	128407215	306759250	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	21216556 841500554	48737796	98019682	179091205	428477188	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	25590535 1037917538	59342310	119779628	217370281	525307706	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	9513424 423681435	22409282	46350674	88826412	211015351	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:30:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	196035	Lims Sample ID:	25
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:18	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:04:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	44386037	10517		100.0	M
1	-65	6.721	6.721	0.000	229375178	10231	513.2- 553.2	516.8	M
1	-65	7.408	7.407	0.001	340015496	10046	792.2- 832.2	766.0	M
1	-65	7.811	7.811	0.000	664594188	10264	1468.1-1508.1	1497.3	M
1	-65	8.145	8.144	0.001	388803471	10205	878.0- 918.0	876.0	M
			Average of Peak Amounts =			10253			
2	6	6.563	6.561	0.002	282303718	9304.7		100.0	
2	7	6.832	6.831	0.001	608635398	9642.5	165.8- 225.8	215.6	
2	8	7.183	7.182	0.001	841500554	9569.3	243.1- 303.1	298.1	
2	9	7.435	7.433	0.002	1037917538	9631.5	301.5- 361.5	367.7	
2	10	8.268	8.266	0.002	423681435	9771.0	105.5- 165.5	150.1	
			Average of Peak Amounts =			9583.8			
						RPD = 6.74			

QC Flag Legend

Review Flags
M - Manually Integrated

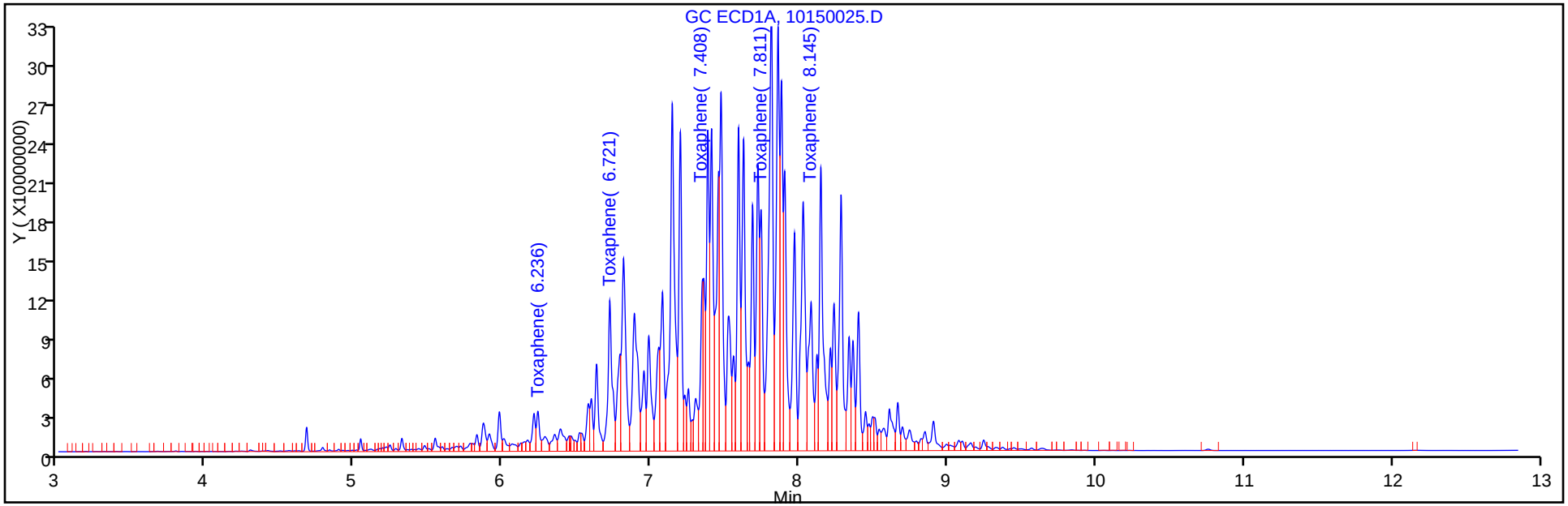
Report Date: 17-Oct-2013 05:36:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

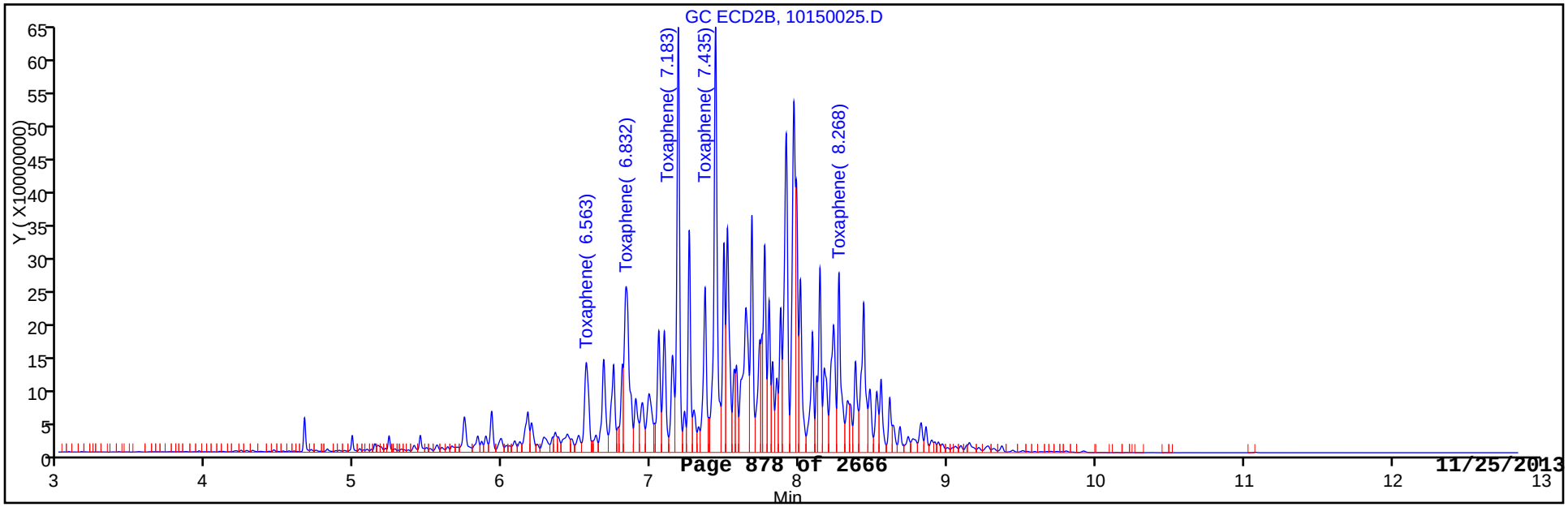
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D

Injection Date:	15-Oct-2013 19:30:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:46:33	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	196035	Lims Sample ID:	26
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:19	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:05:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	19836861	4683.8		100.0	M
1	-65	6.722	6.721	0.001	110352185	4920.4	513.2- 553.2	556.3	M
1	-65	7.407	7.407	0.000	166669850	4923.6	792.2- 832.2	840.2	M
1	-65	7.811	7.811	0.000	325535403	5031.6	1468.1-1508.1	1641.1	M
1	-65	8.145	8.144	0.001	190794999	5017.8	878.0- 918.0	961.8	M
			Average of Peak Amounts =			4915.4			
2	6	6.561	6.561	0.000	141337419	4606.3		100.0	
2	7	6.830	6.831	-0.001	306759250	4832.6	165.8- 225.8	217.0	
2	8	7.183	7.182	0.001	428477188	4849.6	243.1- 303.1	303.2	
2	9	7.433	7.433	0.000	525307706	4853.6	301.5- 361.5	371.7	
2	10	8.267	8.266	0.001	211015351	4855.8	105.5- 165.5	149.3	
			Average of Peak Amounts =			4799.6			
						RPD = 2.39			

QC Flag Legend

Review Flags
M - Manually Integrated

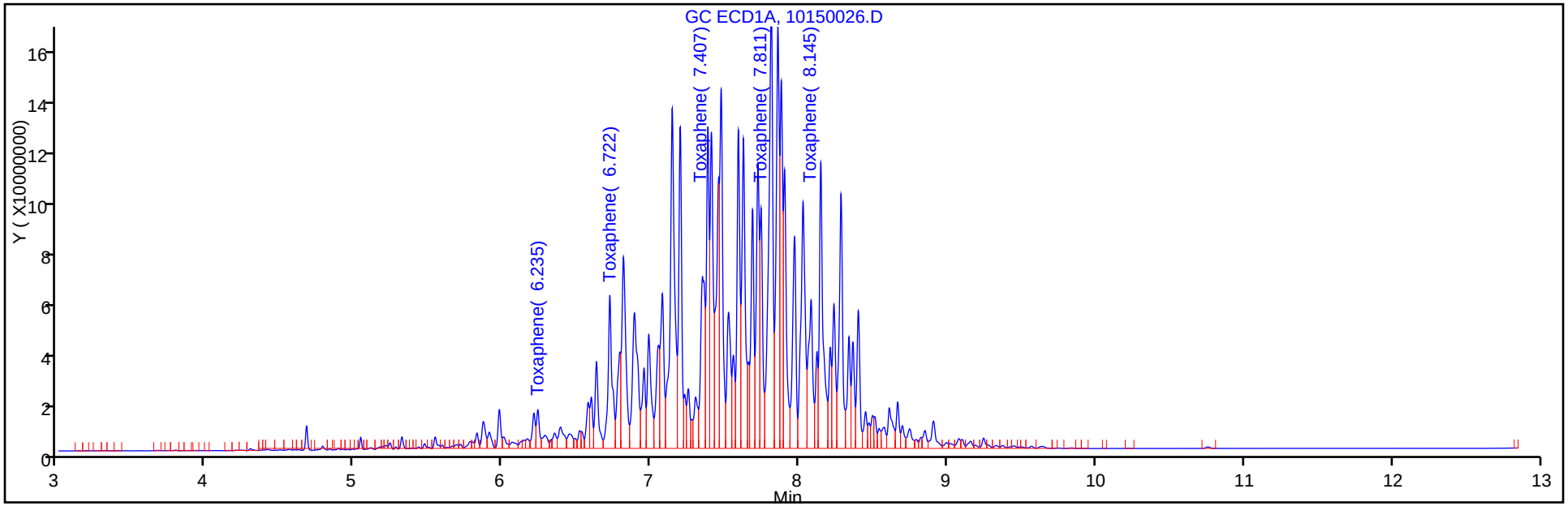
Report Date: 17-Oct-2013 05:36:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

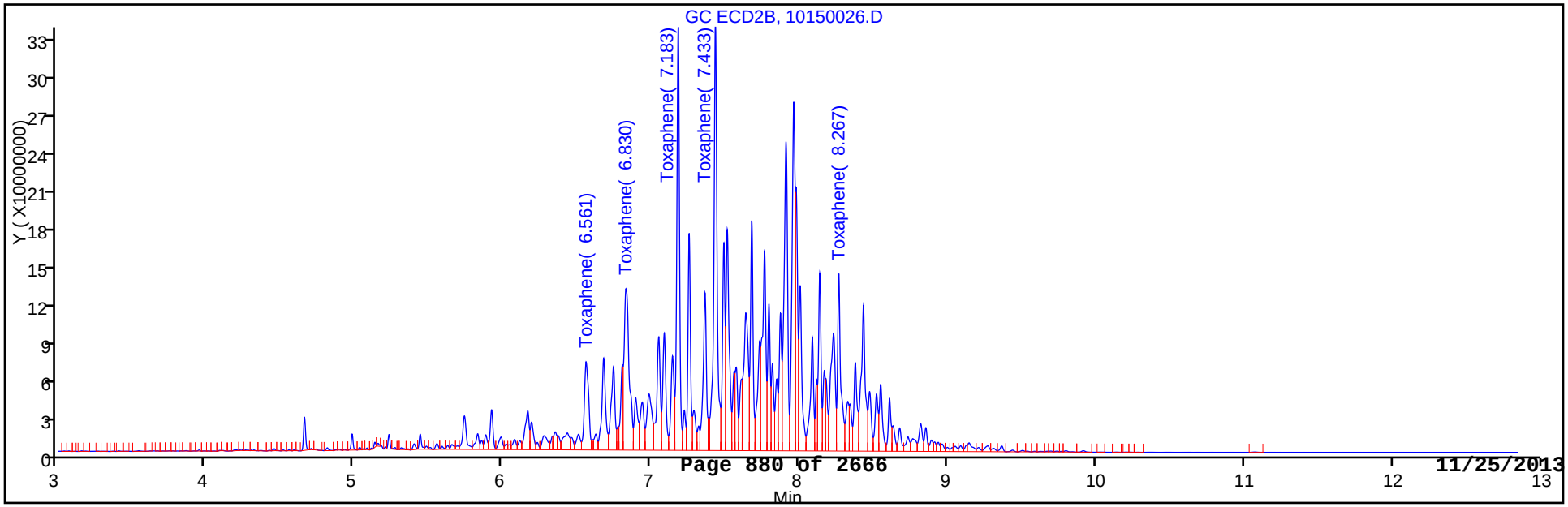
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D

Injection Date:	15-Oct-2013 19:46:33	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:02:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	196035	Lims Sample ID:	27
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:20	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	8098014	1894.5		100.0	
1	-65	6.721	6.721	0.000	43178108	1923.0	513.2- 553.2	533.2	
1	-65	7.407	7.407	0.000	65774340	1942.4	792.2- 832.2	812.2	
1	-65	7.811	7.811	0.000	120507323	1867.5	1468.1-1508.1	1488.1	
1	-65	8.144	8.144	0.000	72720167	1924.6	878.0- 918.0	898.0	
			Average of Peak Amounts =			1910.4			
2	6	6.561	6.561	0.000	65576435	2081.2		100.0	M
2	7	6.831	6.831	0.000	128407215	1990.8	165.8- 225.8	195.8	M
2	8	7.182	7.182	0.000	179091205	1999.9	243.1- 303.1	273.1	M
2	9	7.433	7.433	0.000	217370281	1983.4	301.5- 361.5	331.5	M
2	10	8.266	8.266	0.000	88826412	2031.7	105.5- 165.5	135.5	M
			Average of Peak Amounts =			2017.4			
						RPD = 5.45			

QC Flag Legend

Review Flags
M - Manually Integrated

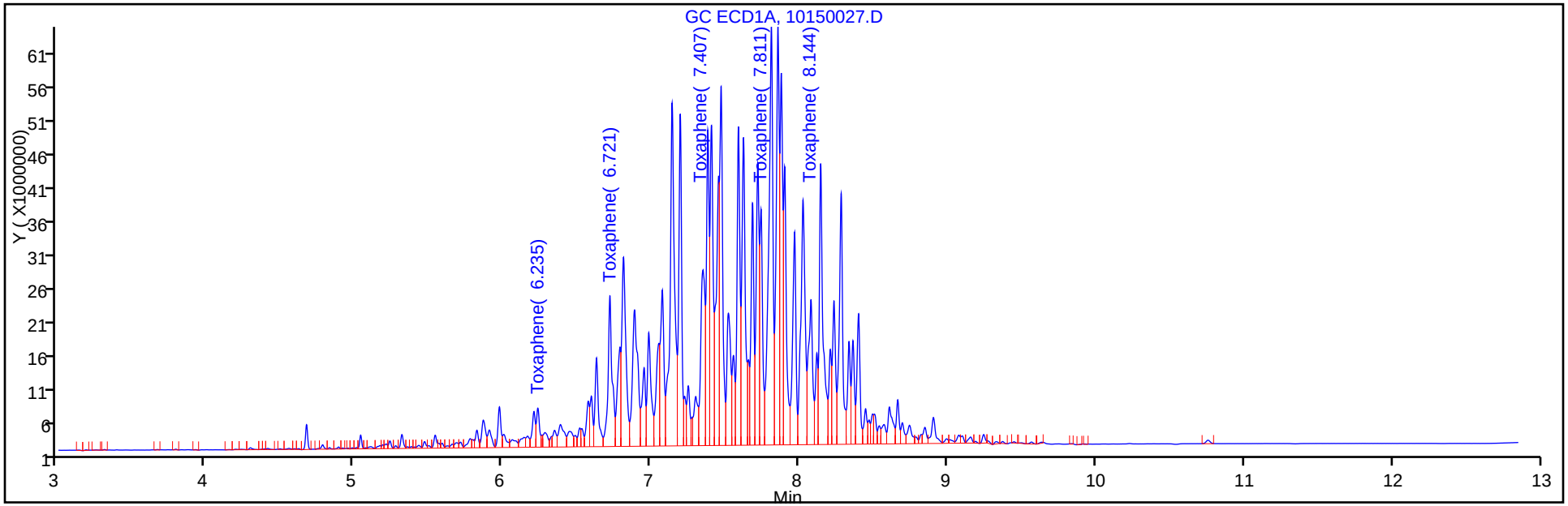
Report Date: 17-Oct-2013 05:36:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

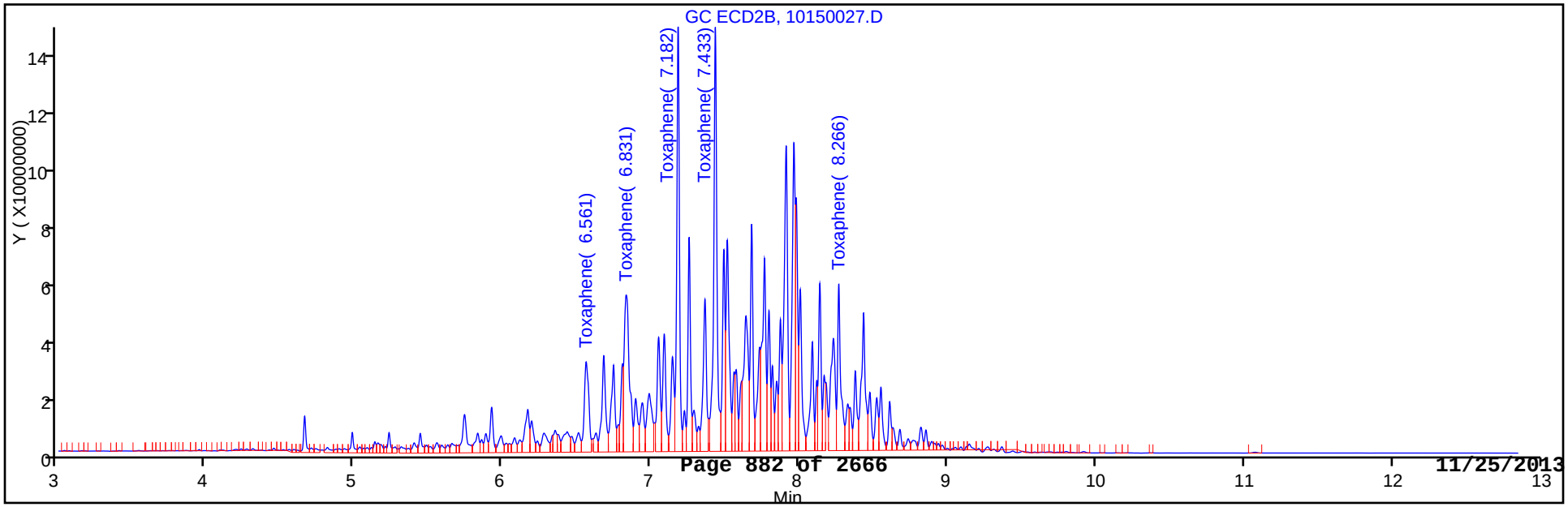
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Injection Date:	15-Oct-2013 20:02:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



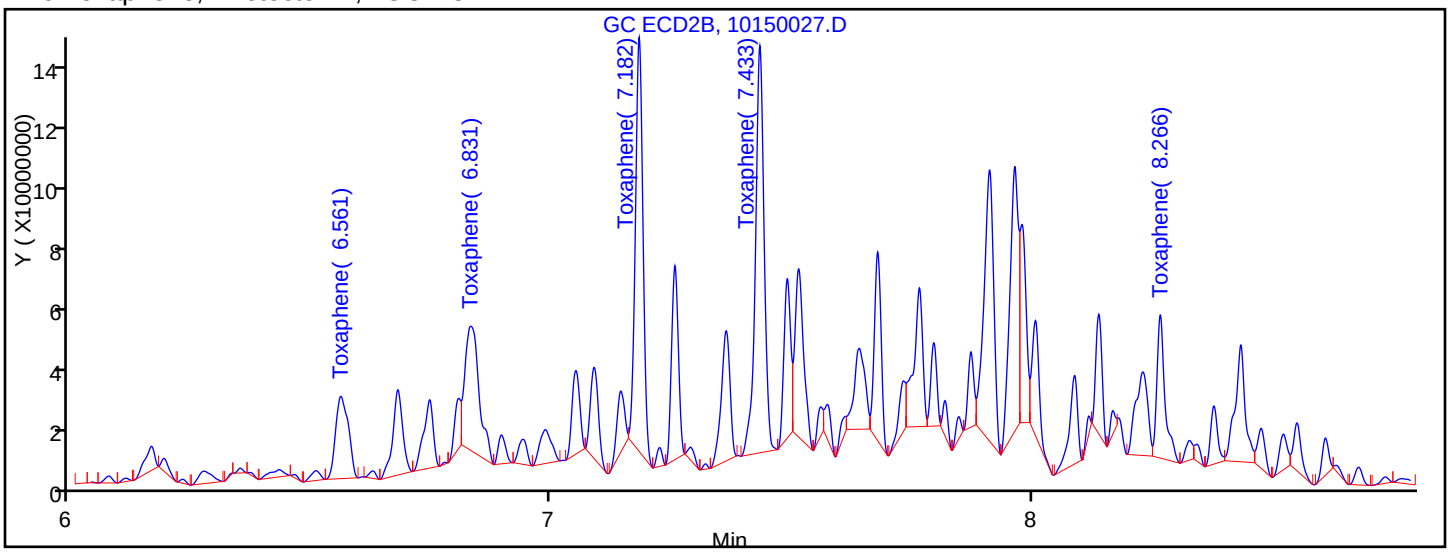
Report Date: 17-Oct-2013 05:36:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D

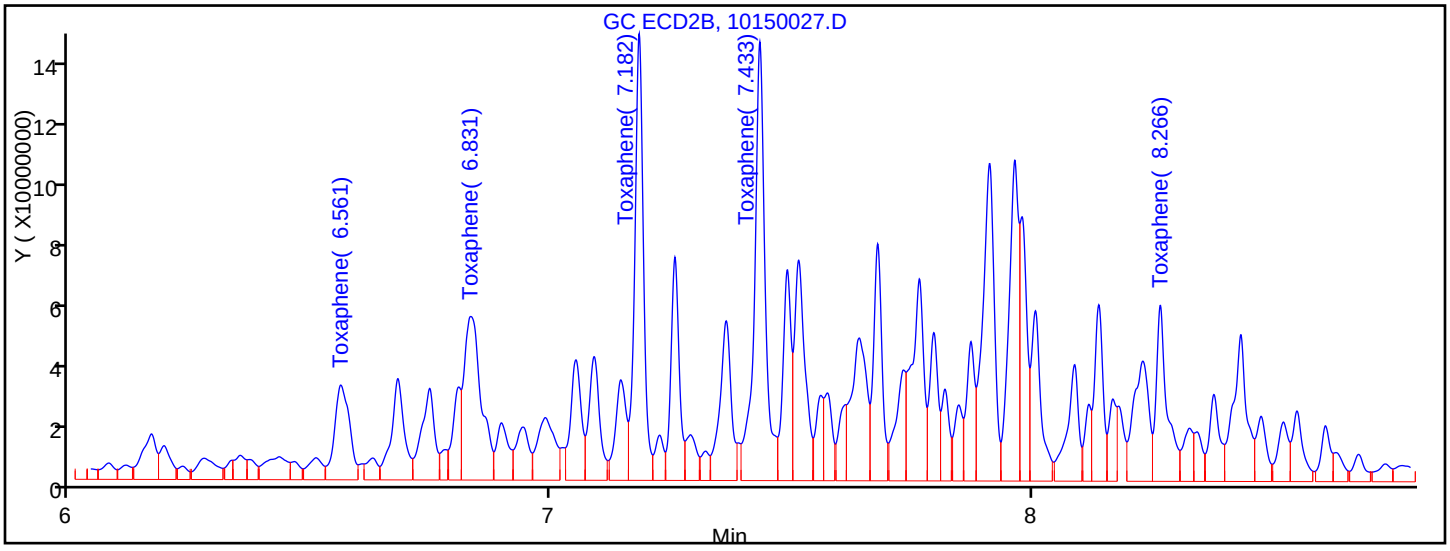
Injection Date:	15-Oct-2013 20:02:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.561	Response = 47244584	M
RT = 6.831	Response = 80199323	M
RT = 7.182	Response = 141191708	M
RT = 7.433	Response = 159436456	M
RT = 8.266	Response = 51775472	M



Manual Integration Results

RT = 6.561	Response = 65576435	M
RT = 6.831	Response = 128407215	M
RT = 7.182	Response = 179091205	M
RT = 7.433	Response = 217370281	M
RT = 8.266	Response = 88826412	M

Reviewer: wellsd, 15-Oct-2013 21:06:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:19:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	196035	Lims Sample ID:	28
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:22	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	4482174	1035.4		100.0	M
1	-65	6.721	6.721	0.000	23219881	1032.4	513.2- 553.2	518.0	M
1	-65	7.407	7.407	0.000	35420813	1045.5	792.2- 832.2	790.3	M
1	-65	7.810	7.811	-0.001	66698060	1037.1	1468.1-1508.1	1488.1	M
1	-65	8.144	8.144	0.000	38257896	1021.8	878.0- 918.0	853.6	M
			Average of Peak Amounts =			1034.4			
2	6	6.562	6.561	0.001	36719362	1119.4		100.0	M
2	7	6.831	6.831	0.000	70885959	1074.3	165.8- 225.8	193.0	M
2	8	7.182	7.182	0.000	98019682	1073.5	243.1- 303.1	266.9	M
2	9	7.433	7.433	0.000	119779628	1073.8	301.5- 361.5	326.2	M
2	10	8.265	8.266	-0.001	46350674	1050.0	105.5- 165.5	126.2	M
			Average of Peak Amounts =			1078.2			
						RPD = 4.14			

QC Flag Legend

Review Flags
M - Manually Integrated

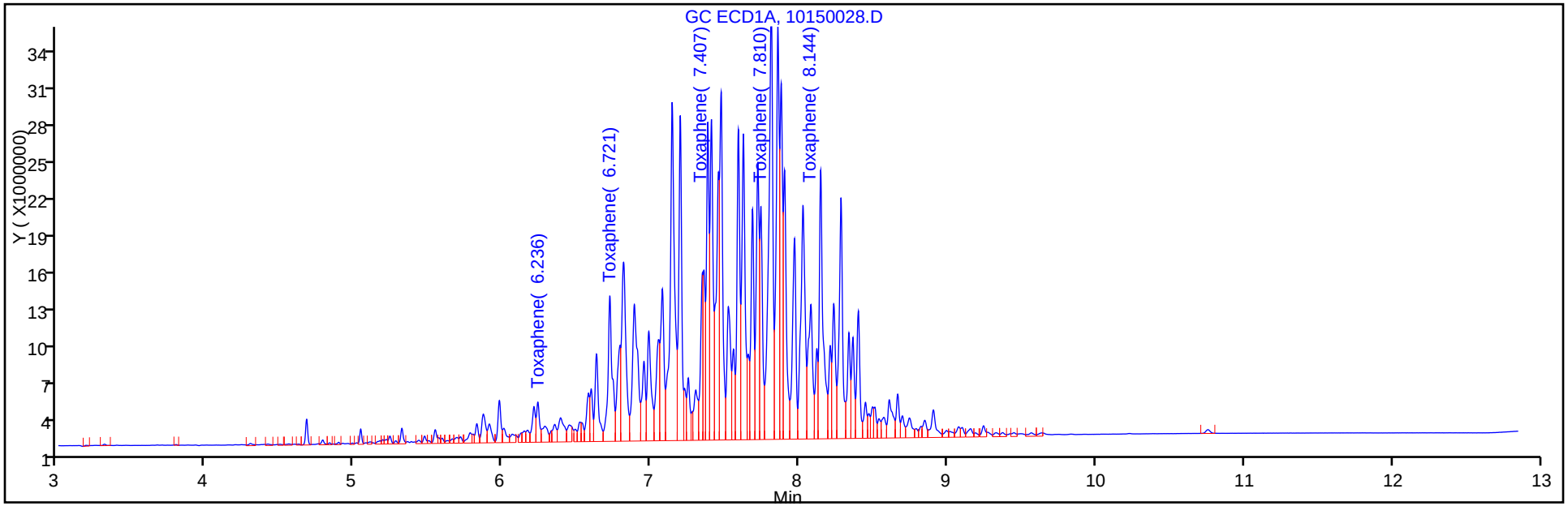
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

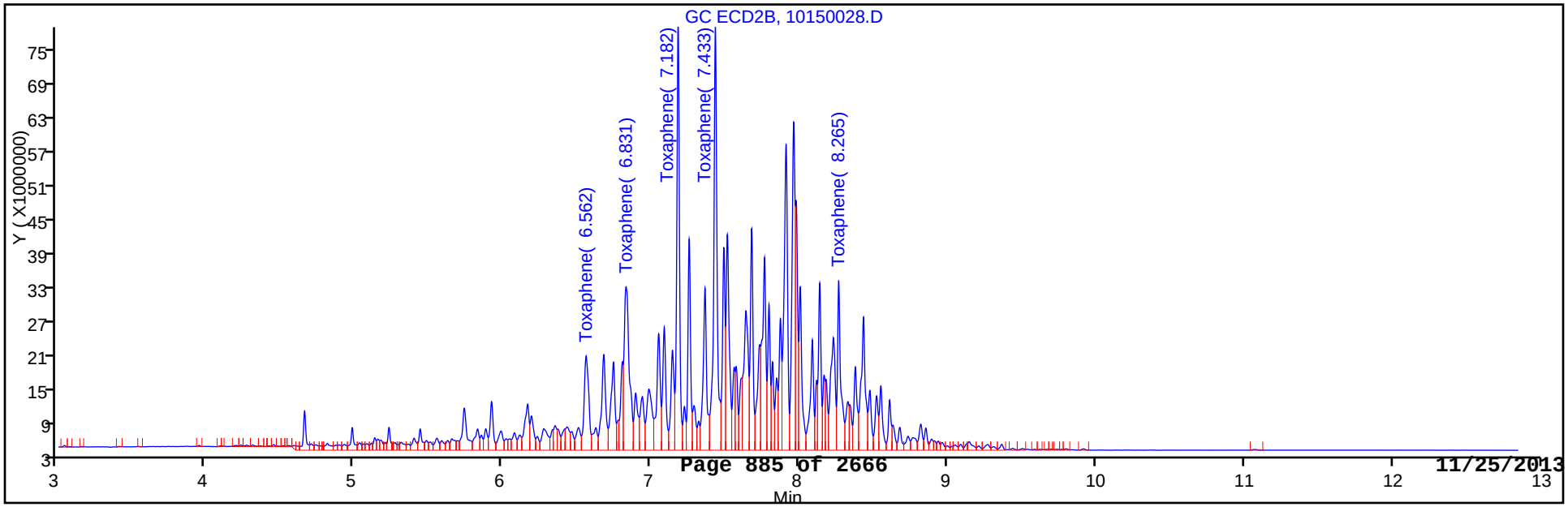
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



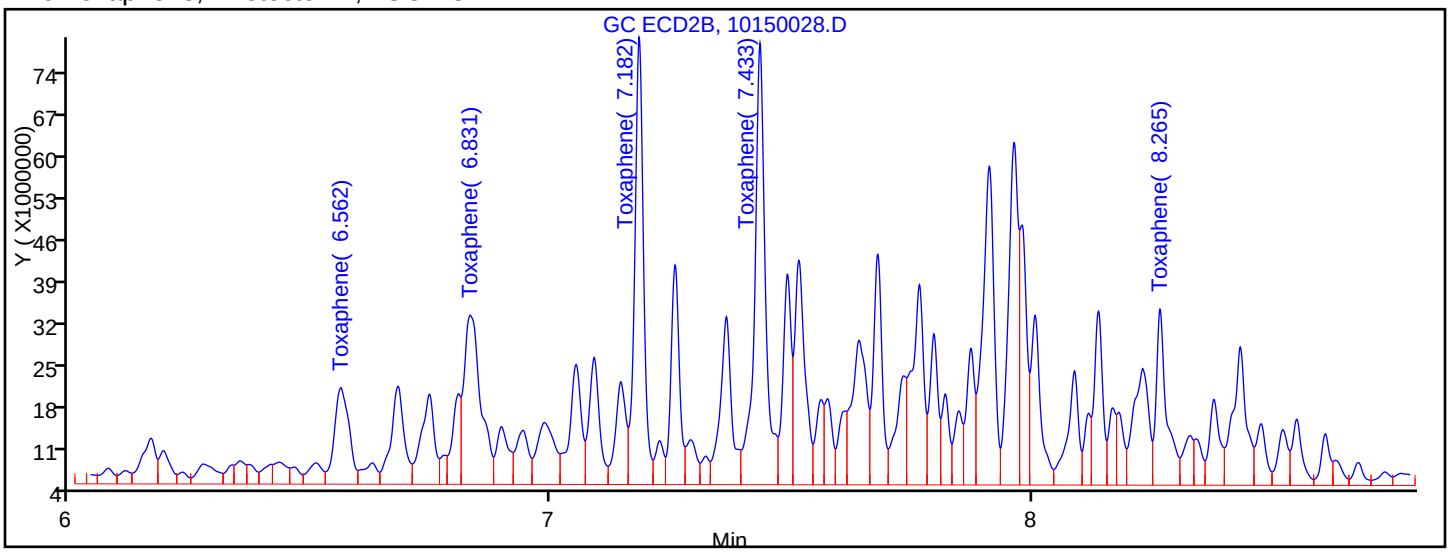
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

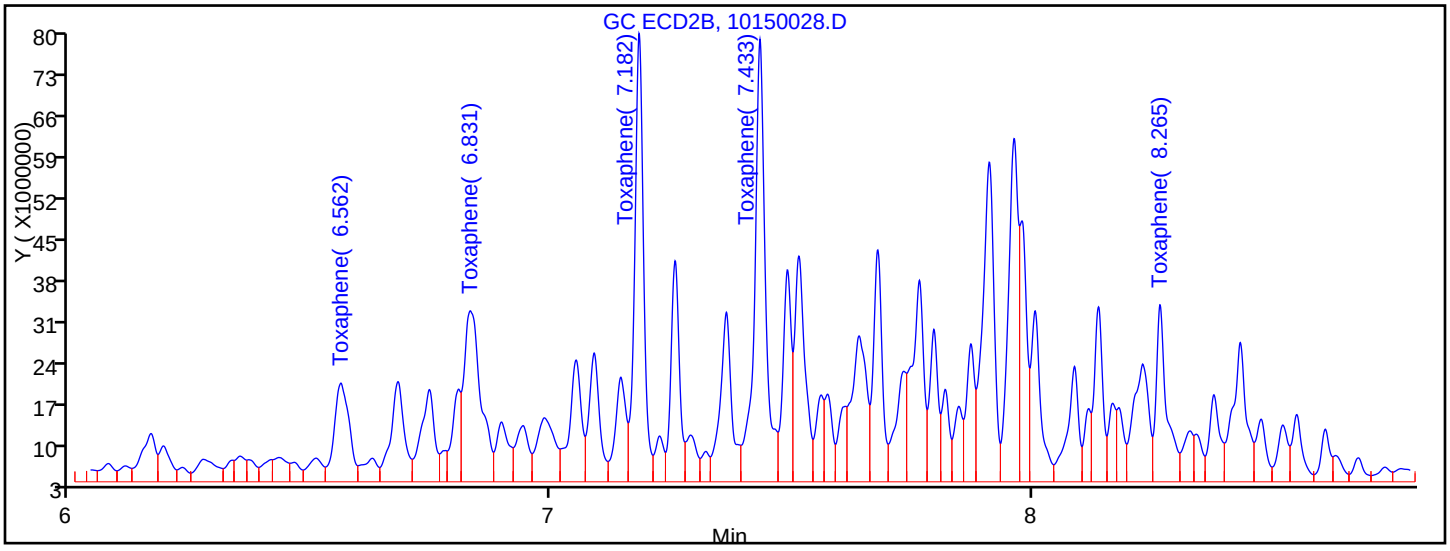
Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.562	Response = 35042354	M
RT = 6.831	Response = 69322776	M
RT = 7.182	Response = 96927903	M
RT = 7.433	Response = 118256265	M
RT = 8.265	Response = 45523066	M



Manual Integration Results

RT = 6.562	Response = 36719362	M
RT = 6.831	Response = 70885959	M
RT = 7.182	Response = 98019682	M
RT = 7.433	Response = 119779628	M
RT = 8.265	Response = 46350674	M

Reviewer: wellsd, 15-Oct-2013 21:06:42

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:35:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	196035	Lims Sample ID:	29
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:23	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:07:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.237	6.235	0.002	2331422	524.4		100.0	M
1	-65	6.722	6.721	0.001	11312556	501.1	513.2- 553.2	485.2	M
1	-65	7.408	7.407	0.001	16950284	499.8	792.2- 832.2	727.0	M
1	-65	7.812	7.811	0.001	31790576	498.3	1468.1-1508.1	1363.6	M
1	-65	8.144	8.144	0.000	18118485	494.2	878.0- 918.0	777.1	M
			Average of Peak Amounts =			503.5			
2	6	6.561	6.561	0.000	18428178	509.7		100.0	
2	7	6.832	6.831	0.001	35459960	509.9	165.8- 225.8	192.4	
2	8	7.182	7.182	0.000	48737796	510.3	243.1- 303.1	264.5	
2	9	7.433	7.433	0.000	59342310	510.5	301.5- 361.5	322.0	
2	10	8.267	8.266	0.001	22409282	496.6	105.5- 165.5	121.6	
			Average of Peak Amounts =			507.4			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

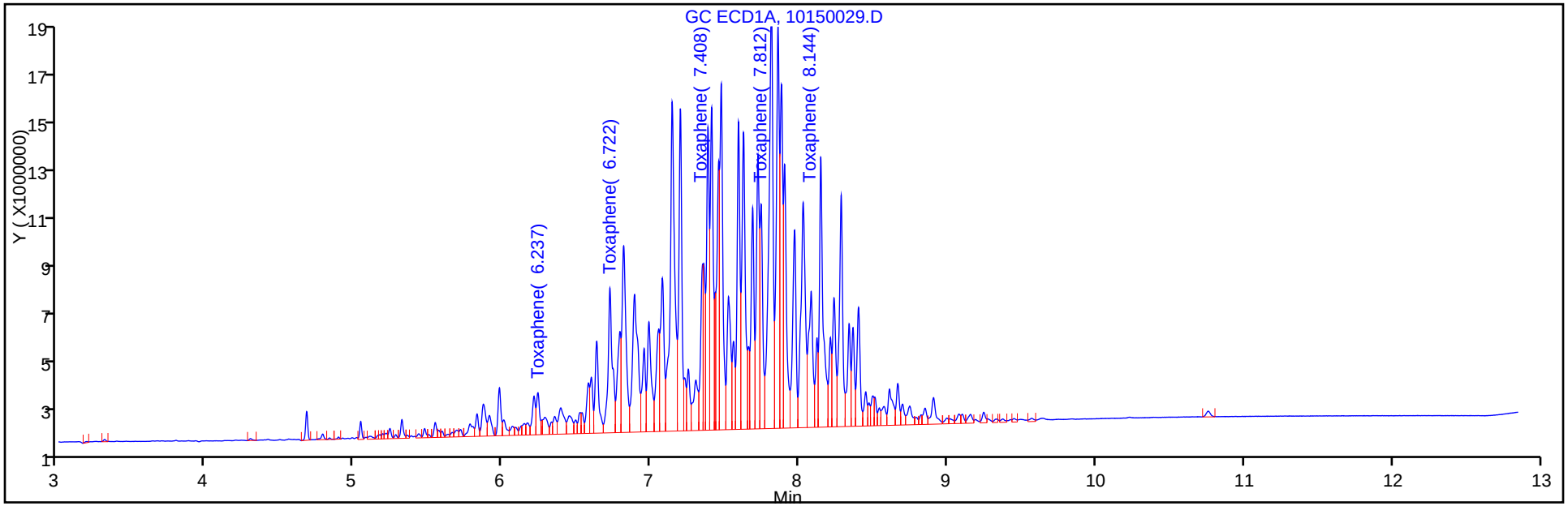
Report Date: 17-Oct-2013 05:36:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

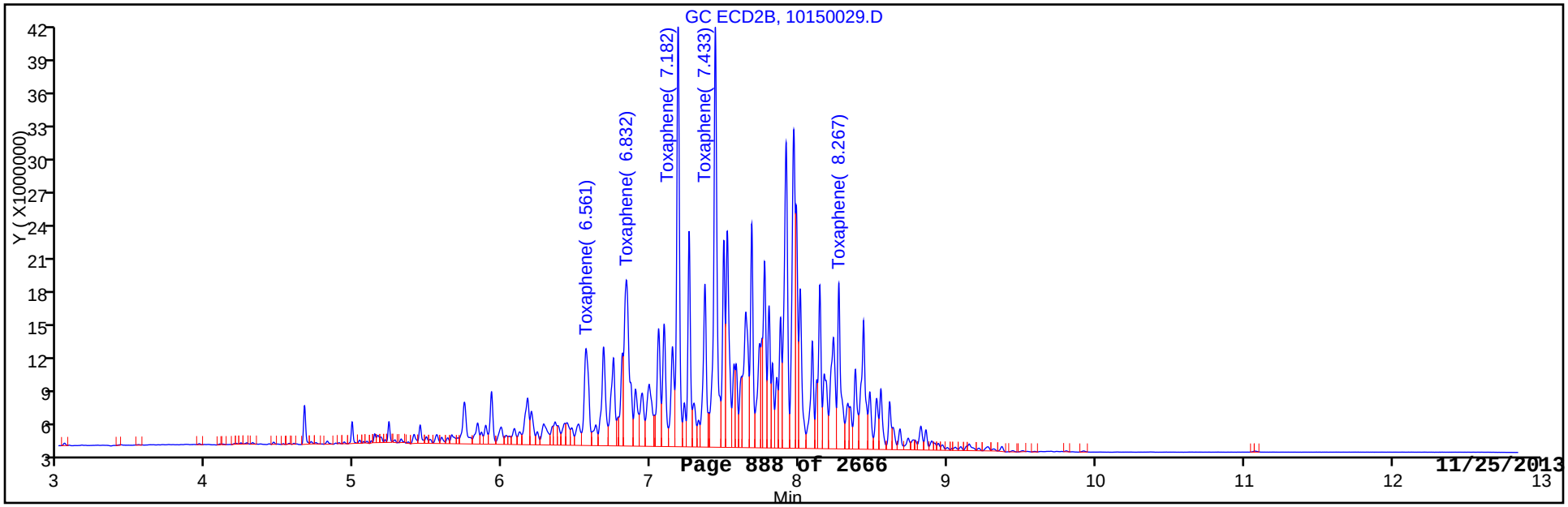
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D

Injection Date:	15-Oct-2013 20:35:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D
Lims ID: STD1 TOX Client ID:
Inject. Date: 15-Oct-2013 20:52:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 196035 Lims Sample ID: 30
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:25 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 22:19:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	949677	196.0		100.0	M
1	-65	6.721	6.721	0.000	4549851	199.3	513.2- 553.2	479.1	M
1	-65	7.407	7.407	0.000	6768100	198.9	792.2- 832.2	712.7	M
1	-65	7.812	7.811	0.001	12455400	200.0	1468.1-1508.1	1311.5	M
1	-65	8.144	8.144	0.000	6915719	200.7	878.0- 918.0	728.2	M
			Average of Peak Amounts =			199.0			
2	6	6.563	6.561	0.002	8947892	193.8		100.0	M
2	7	6.832	6.831	0.001	15757788	196.0	165.8- 225.8	176.1	M
2	8	7.182	7.182	0.000	21216556	195.8	243.1- 303.1	237.1	M
2	9	7.433	7.433	0.000	25590535	195.9	301.5- 361.5	286.0	M
2	10	8.266	8.266	0.000	9513424	198.6	105.5- 165.5	106.3	M
			Average of Peak Amounts =			196.0			
						RPD = 1.51			

QC Flag Legend

Review Flags
M - Manually Integrated

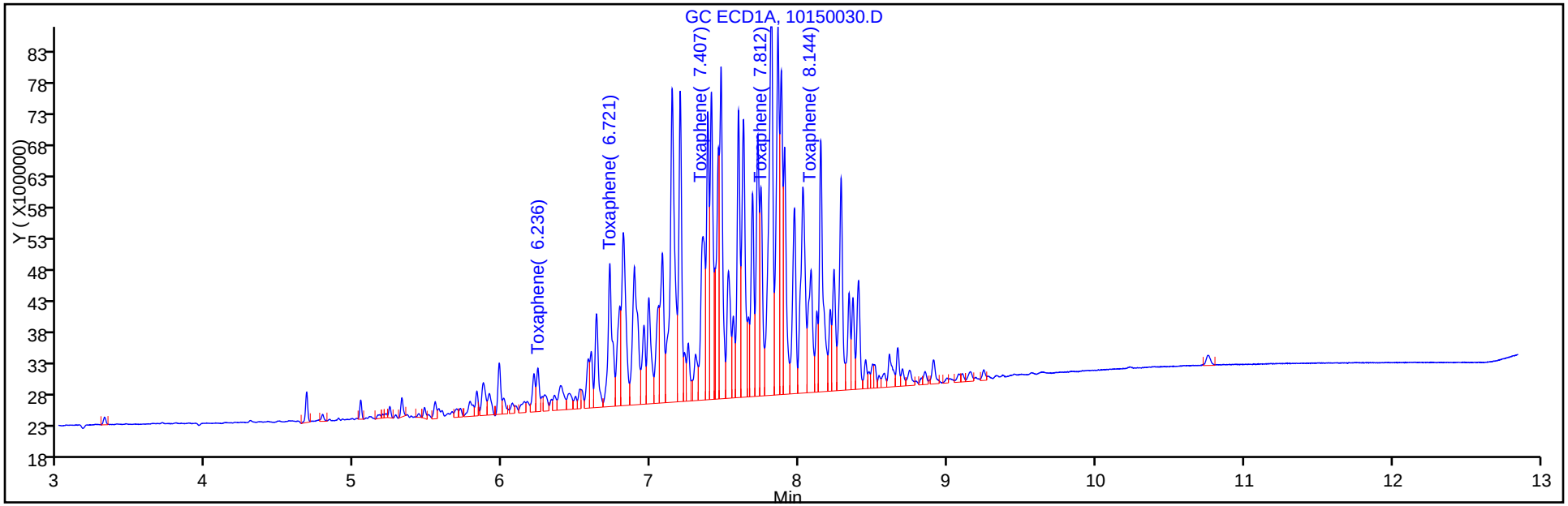
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

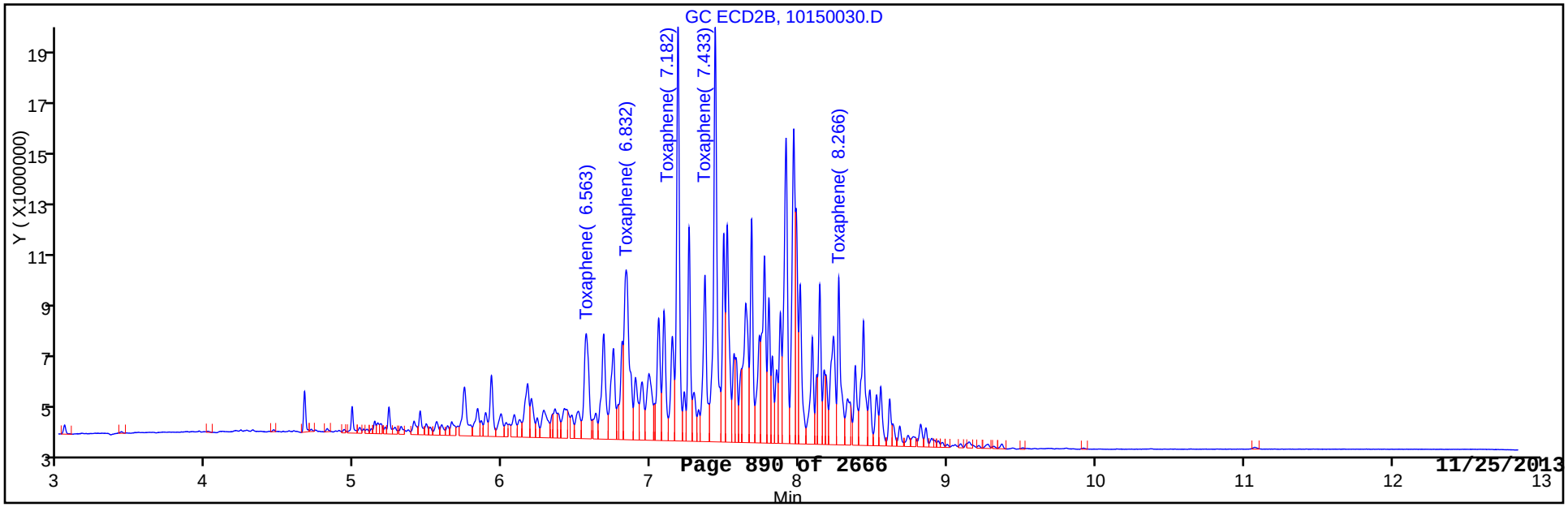
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



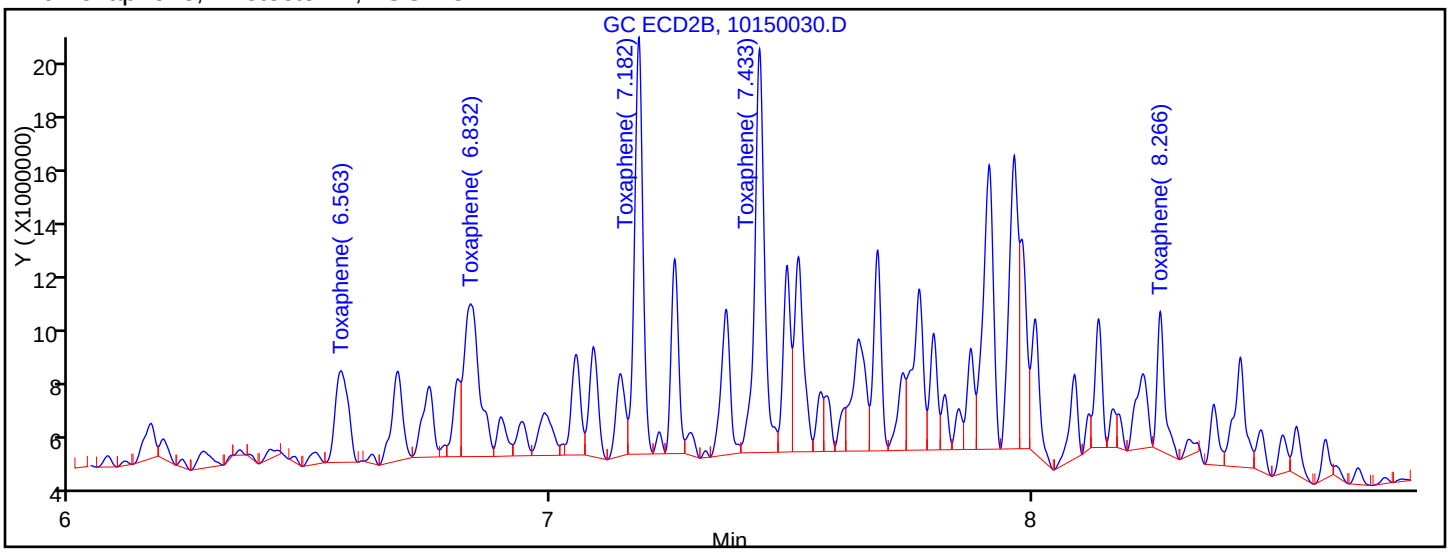
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

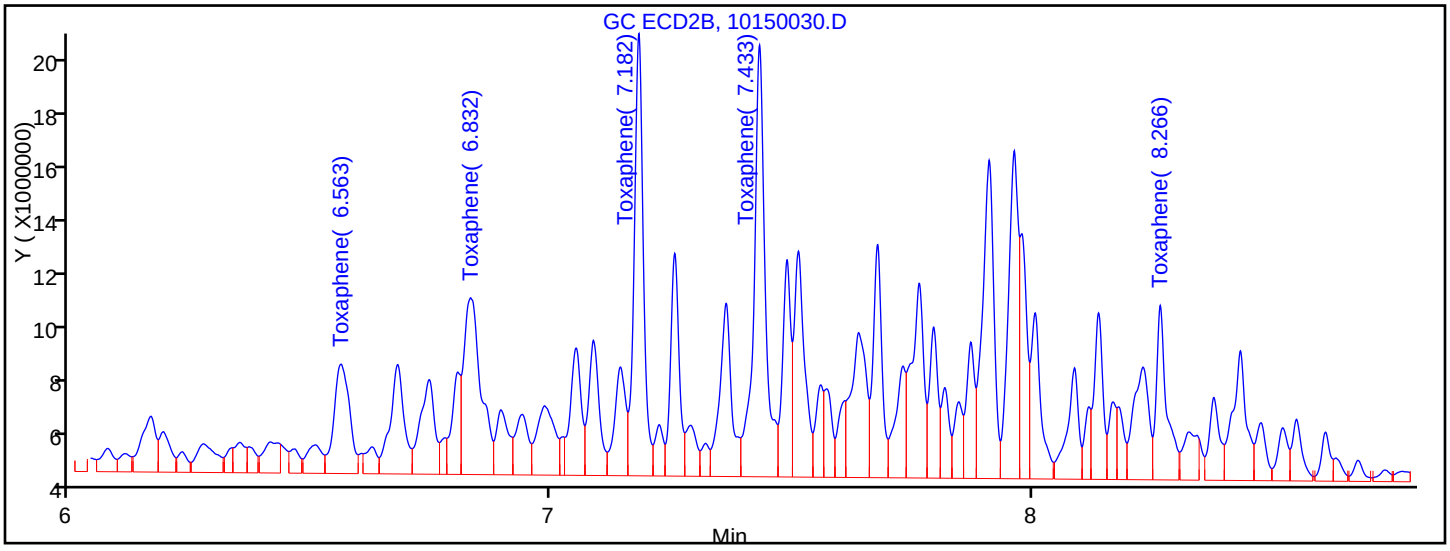
Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.563	Response = 6167404	M
RT = 6.832	Response = 12054503	M
RT = 7.182	Response = 17923203	M
RT = 7.433	Response = 20316970	M
RT = 8.266	Response = 5485330	M



Manual Integration Results

RT = 6.563	Response = 8947892	M
RT = 6.832	Response = 15757788	M
RT = 7.182	Response = 21216556	M
RT = 7.433	Response = 25590535	M
RT = 8.266	Response = 9513424	M

Reviewer: wellsd, 15-Oct-2013 22:19:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/7 Calibration Date: 11/01/2013 12:06

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.86	51507165	1.87	15	
Endrin aldehyde		0			
Endrin ketone	8.16	980796			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.20	46142361	1.14	15	
4,4'-DDD	6.92	323791			
4,4'-DDE	6.32	210557			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D
Lims ID: PEM Client ID:
Inject. Date: 01-Nov-2013 12:06:01 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:45:59 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	210557	0.2248			
2	2	6.437	6.436	0.001	541132	-0.3510			
						RPD = -911.92			
30 Endrin									
1	-65	6.860	6.860	0.000	51507165	39.0			
2	2	6.902	6.902	0.000	97528696	43.0			
						RPD = 9.82			
32 4,4'-DDD									
1	100	6.924	6.922	0.002	323791	0.2609			
2	2	7.019	7.018	0.001	608193	-0.1606			
						RPD = 840.47			
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	46142361	40.6			
2	2	7.320	7.321	-0.001	83106713	43.7			
						RPD = 7.39			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
40 Endrin ketone									
1	-65	8.160	8.160	0.000	980796	0.3568			
2	2	8.188	8.189	-0.001	1628956	0.1494			
						RPD = 81.92			

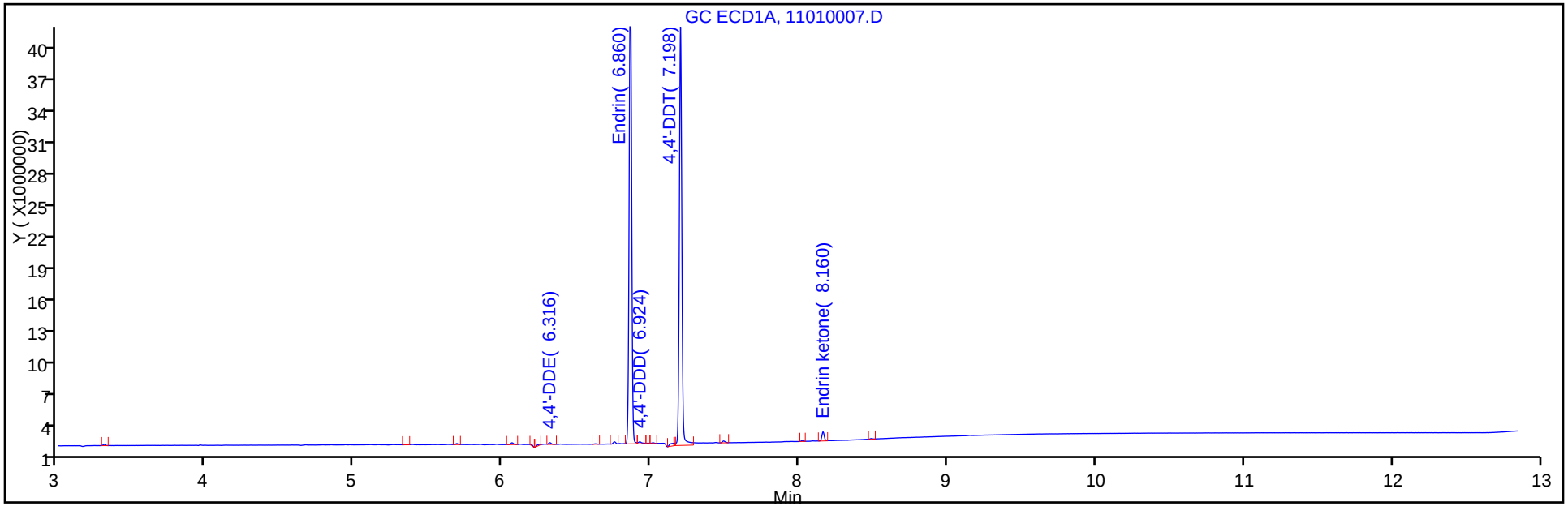
Report Date: 04-Nov-2013 06:46:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

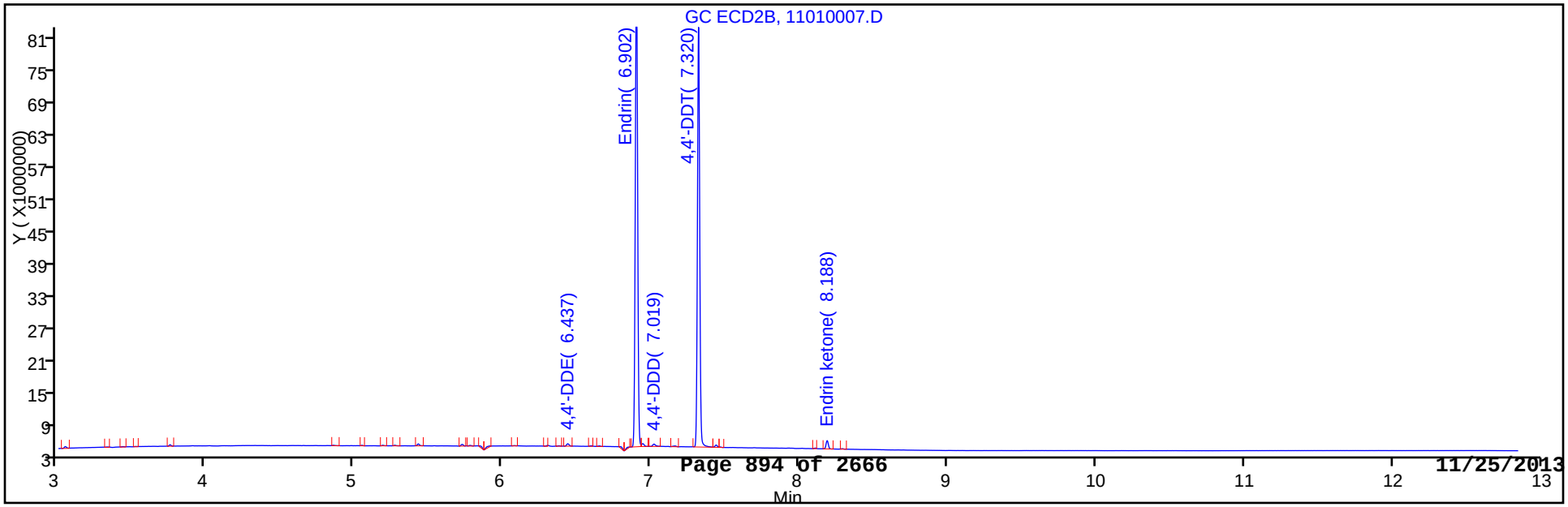
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D

Injection Date:	01-Nov-2013 12:06:01	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/7 Calibration Date: 11/01/2013 12:06

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.90	97528696	1.64	15	
Endrin aldehyde		0			
Endrin ketone	8.19	1628956			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.32	83106713	1.36	15	
4,4'-DDD	7.02	608193			
4,4'-DDE	6.44	541132			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D
Lims ID: PEM Client ID:
Inject. Date: 01-Nov-2013 12:06:01 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:45:59 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	210557	0.2248			
2	2	6.437	6.436	0.001	541132	-0.3510			
						RPD = -911.92			
30 Endrin									
1	-65	6.860	6.860	0.000	51507165	39.0			
2	2	6.902	6.902	0.000	97528696	43.0			
						RPD = 9.82			
32 4,4'-DDD									
1	100	6.924	6.922	0.002	323791	0.2609			
2	2	7.019	7.018	0.001	608193	-0.1606			
						RPD = 840.47			
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	46142361	40.6			
2	2	7.320	7.321	-0.001	83106713	43.7			
						RPD = 7.39			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
40 Endrin ketone									
1	-65	8.160	8.160	0.000	980796	0.3568			
2	2	8.188	8.189	-0.001	1628956	0.1494			
						RPD = 81.92			

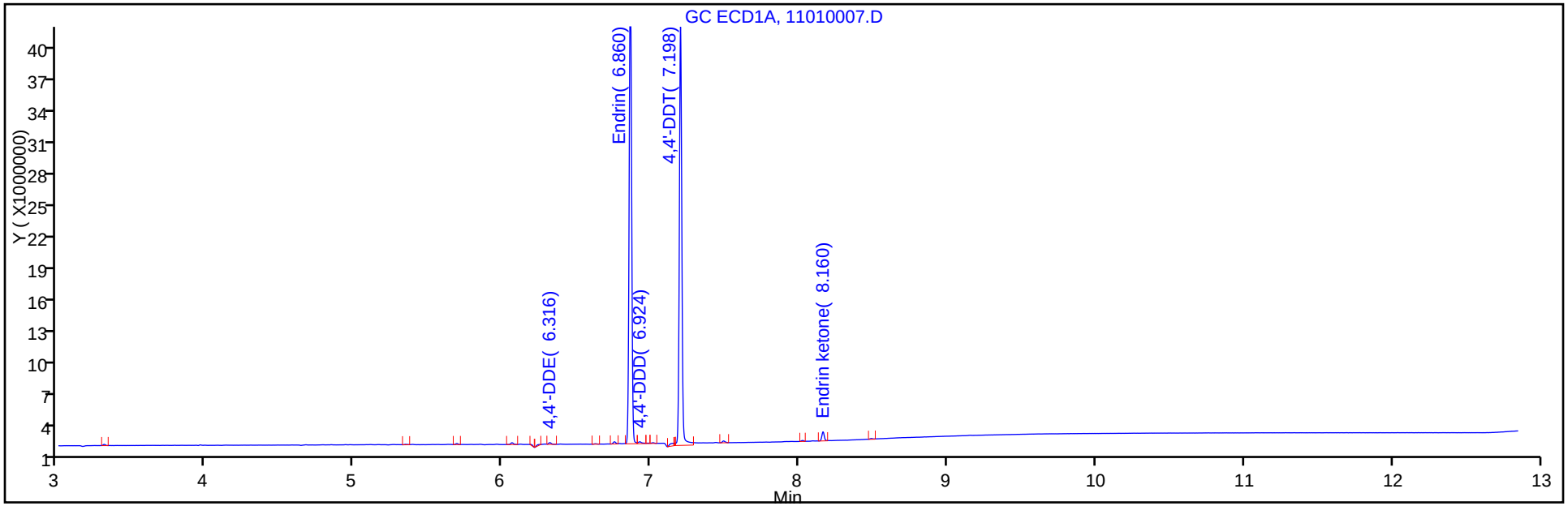
Report Date: 04-Nov-2013 06:46:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

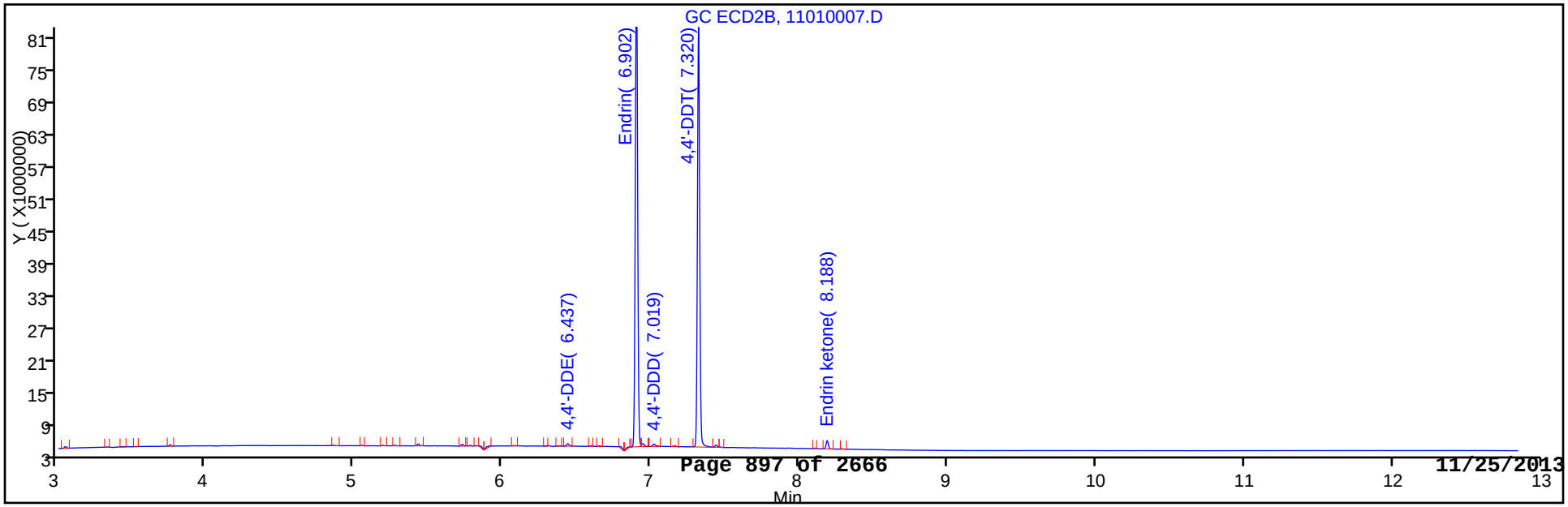
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D

Injection Date:	01-Nov-2013 12:06:01	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/54 Calibration Date: 11/02/2013 01:17

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010054.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.86	58987323	4.65	15	
Endrin aldehyde	7.49	539021			
Endrin ketone	8.16	2337359			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.20	47369126	6.64	15	
4,4'-DDD	6.92	3180507			
4,4'-DDE	6.32	191004			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D
Lims ID: PEM Client ID:
Inject. Date: 02-Nov-2013 01:17:04 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 54
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:46 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:32:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	191004	0.2120			
2	2	6.437	6.436	0.001	460032	-0.3820			
						RPD = -698.81			
30 Endrin									M
1	-65	6.861	6.860	0.001	58987323	44.6			
2	2	6.902	6.902	0.000	103365534	45.6			M
						RPD = 2.15			
32 4,4'-DDD									M
1	100	6.922	6.922	0.000	3180507	2.73			
2	2	7.018	7.018	0.000	5819388	2.40			M
						RPD = 12.64			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	47369126	41.7			
2	2	7.321	7.321	0.000	78206631	41.1			
						RPD = 1.35			
36 Endrin aldehyde									
1	-65	7.489	7.487	0.002	539021	0.0837			7
2	2	7.439	7.439	0.000	899571	-0.2627			7M
						RPD = -387.06			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.161	8.160	0.001	2337359	1.38			
2	2	8.188	8.189	-0.001	3663603	1.19			
						RPD = 14.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

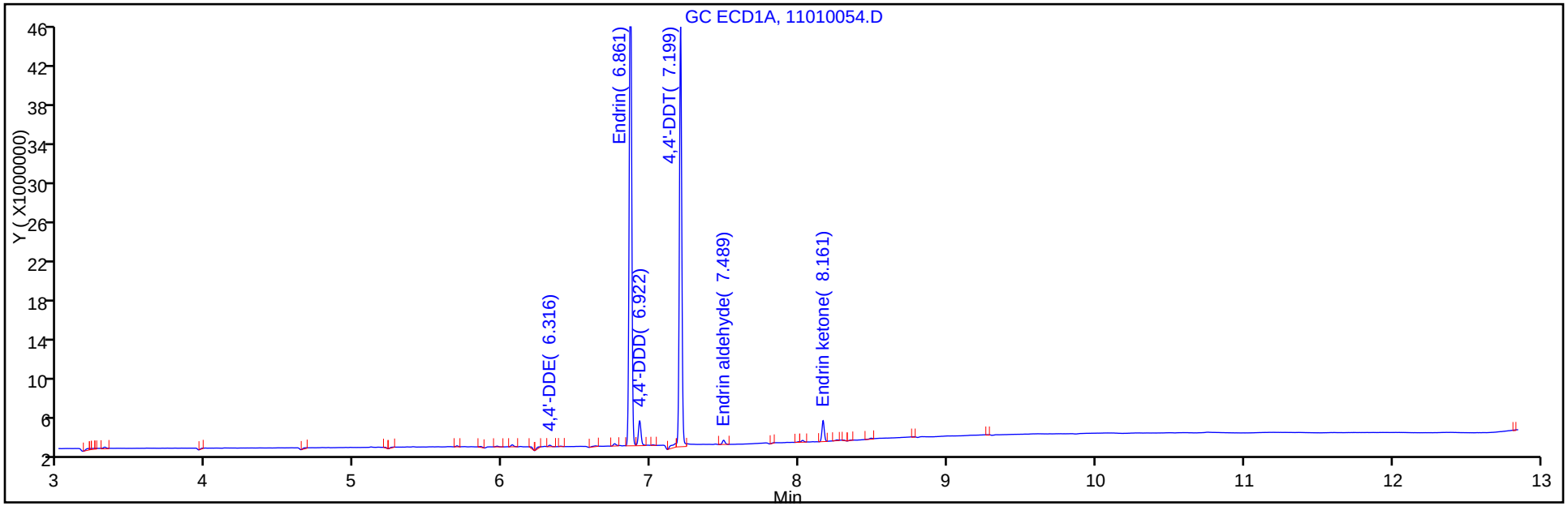
Report Date: 04-Nov-2013 06:46:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

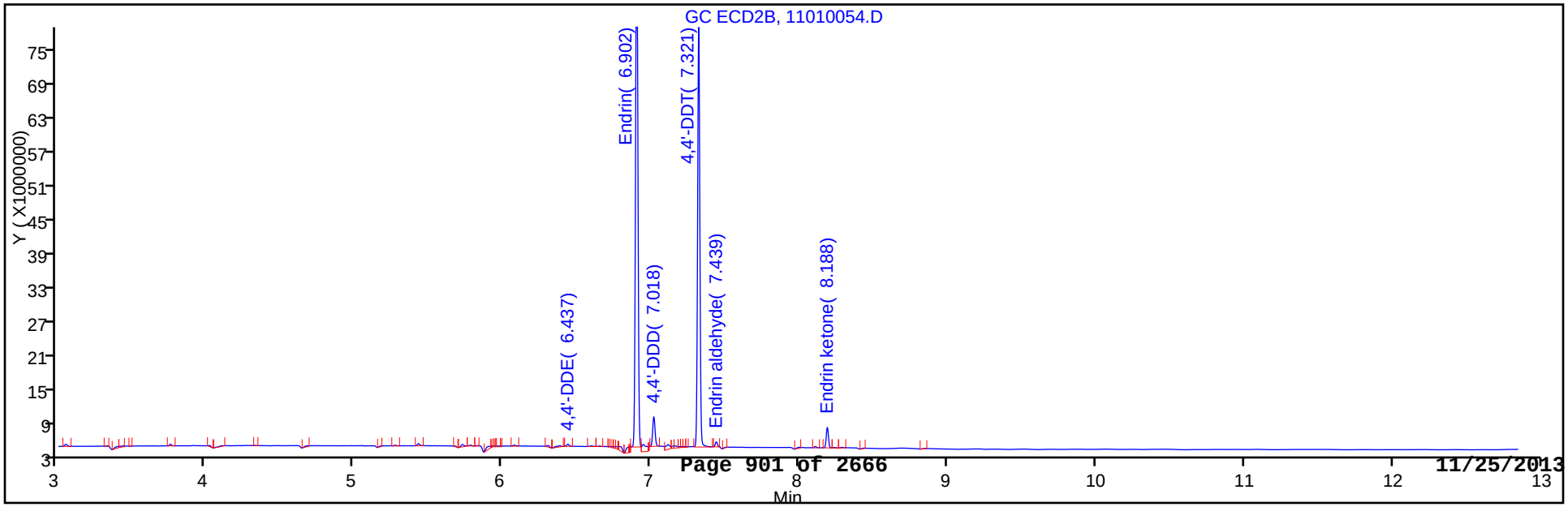
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D

Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/54 Calibration Date: 11/02/2013 01:17

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010054.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.90	103365534	4.23	15	
Endrin aldehyde	7.44	899571			
Endrin ketone	8.19	3663603			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.32	78206631	7.43	15	
4,4'-DDD	7.02	5819388			
4,4'-DDE	6.44	460032			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D
Lims ID: PEM Client ID:
Inject. Date: 02-Nov-2013 01:17:04 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 54
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:46 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:32:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	191004	0.2120			
2	2	6.437	6.436	0.001	460032	-0.3820			
						RPD = -698.81			
30 Endrin									M
1	-65	6.861	6.860	0.001	58987323	44.6			
2	2	6.902	6.902	0.000	103365534	45.6			M
						RPD = 2.15			
32 4,4'-DDD									M
1	100	6.922	6.922	0.000	3180507	2.73			
2	2	7.018	7.018	0.000	5819388	2.40			M
						RPD = 12.64			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	47369126	41.7			
2	2	7.321	7.321	0.000	78206631	41.1			
						RPD = 1.35			
36 Endrin aldehyde									
1	-65	7.489	7.487	0.002	539021	0.0837			7
2	2	7.439	7.439	0.000	899571	-0.2627			7M
						RPD = -387.06			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.161	8.160	0.001	2337359	1.38			
2	2	8.188	8.189	-0.001	3663603	1.19			
						RPD = 14.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

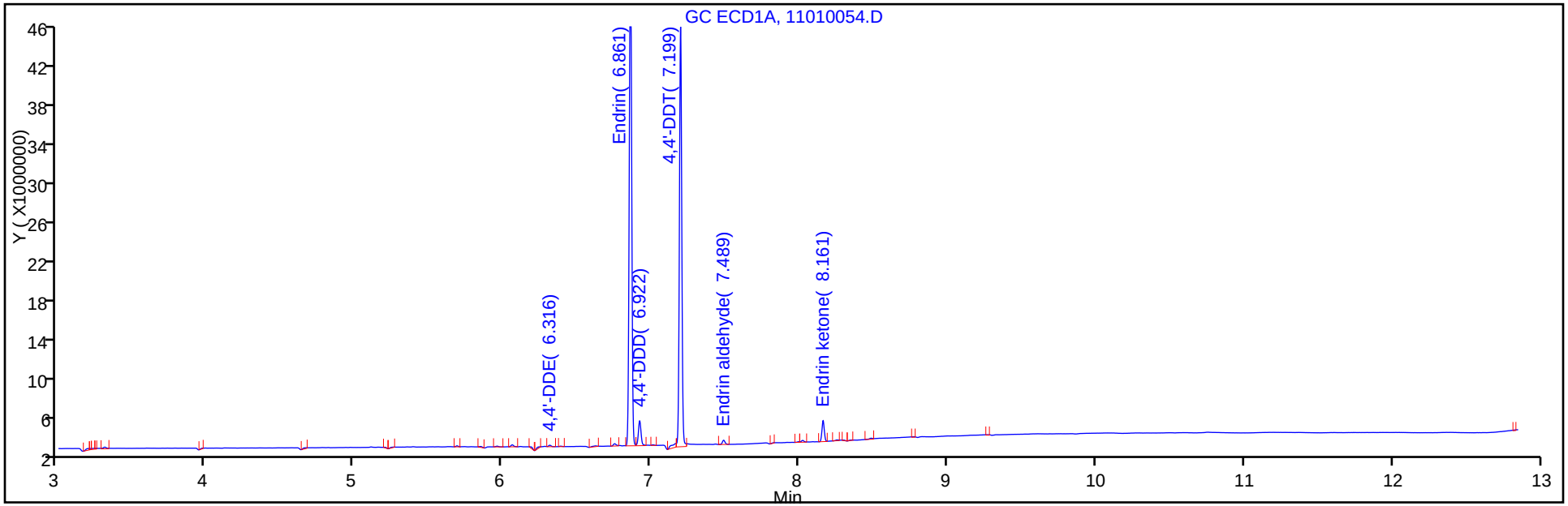
Report Date: 04-Nov-2013 06:46:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

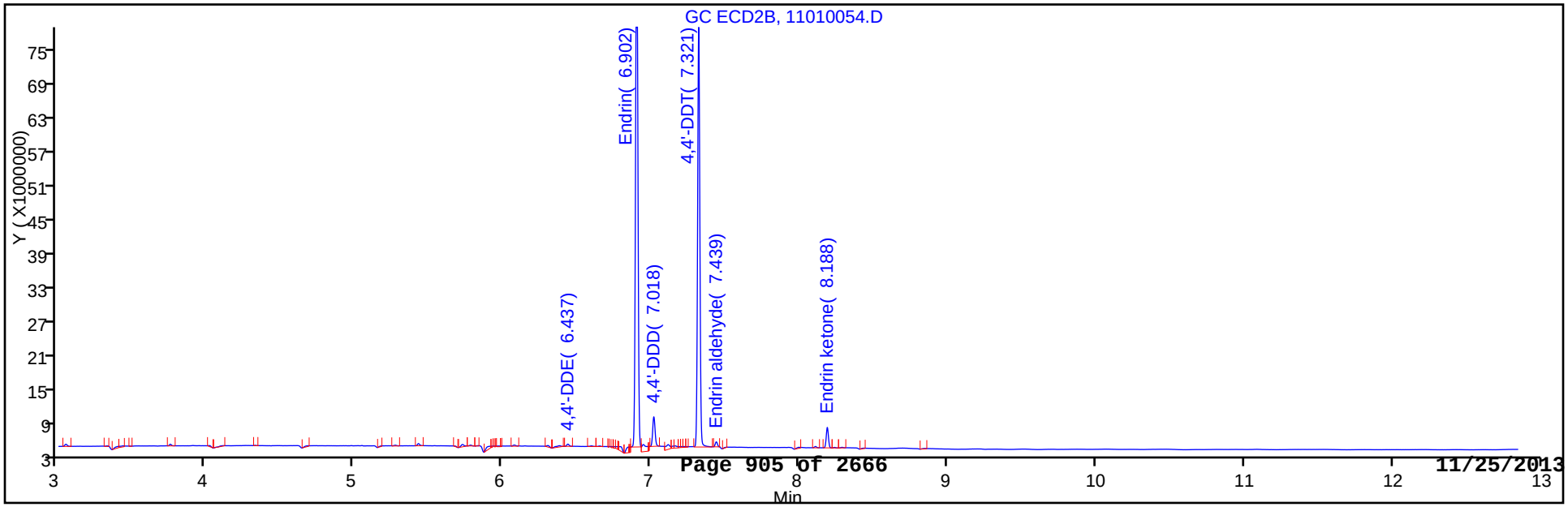
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D

Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

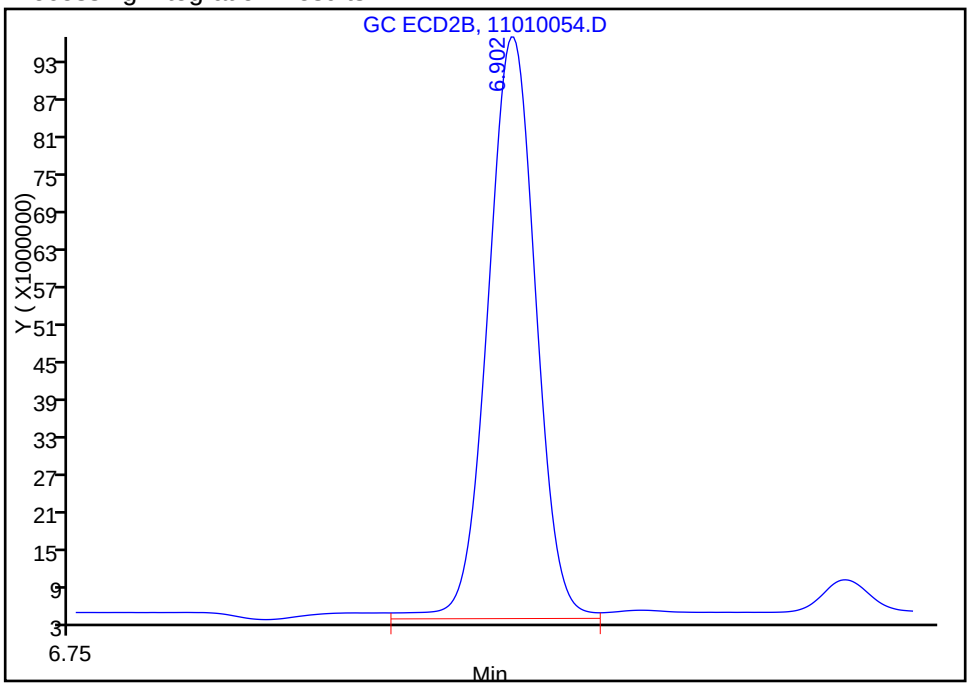
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D		
Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

30 Endrin, Signal: 2, Type: quant, RT: 6.90, Det: GC ECD2B

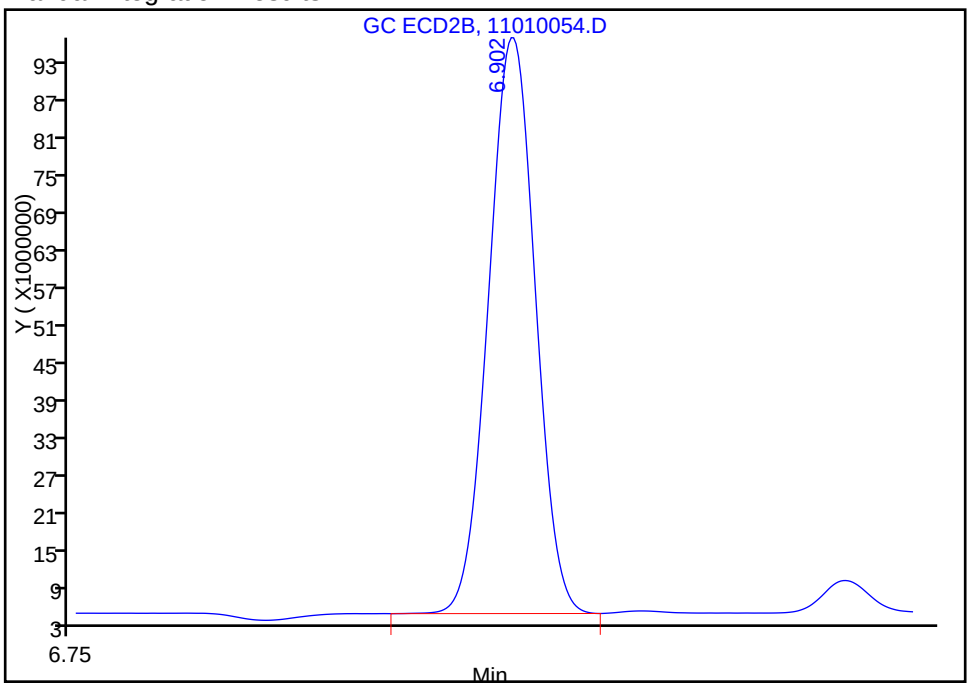
Processing Integration Results

RT: 6.90
Response: 107354340
Amount: 47.386856



Manual Integration Results

RT: 6.90
Response: 103365534
Amount: 45.606105



Reviewer: wellsd, 04-Nov-2013 06:32:42
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

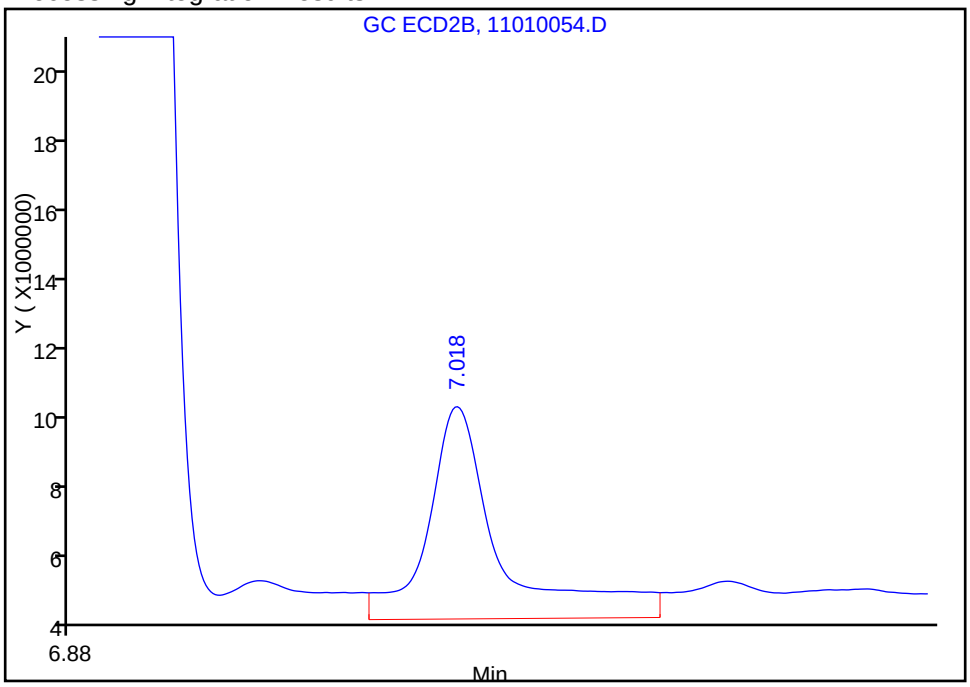
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D		
Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

32 4,4'-DDD, Signal: 2, Type: quant, RT: 7.02, Det: GC ECD2B

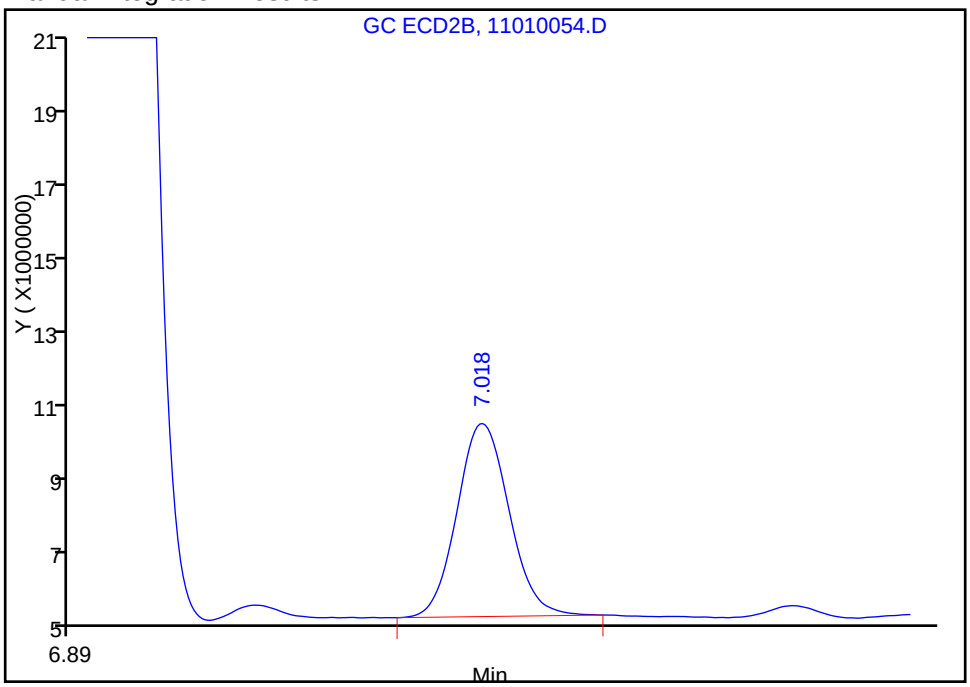
Processing Integration Results

RT: 7.02
Response: 10525048
Amount: 4.720084



Manual Integration Results

RT: 7.02
Response: 5819388
Amount: 2.404135



Reviewer: wellsd, 04-Nov-2013 06:32:42
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		1862259		24.6	25.0	-1.6	20.0
gamma-BHC (Lindane)	Lin2		1636023		23.9	25.0	-4.3	20.0
beta-BHC	Lin2		640568		22.4	25.0	-10.3	20.0
delta-BHC	Lin2		1674997		24.2	25.0	-3.4	20.0
Heptachlor	Lin2		1509221		25.4	25.0	1.7	20.0
Aldrin	Lin2		1636787		25.3	25.0	1.2	20.0
Heptachlor epoxide	Lin2		1407374		24.9	25.0	-0.4	20.0
gamma-Chlordane	Lin2		1500920		25.4	25.0	1.4	20.0
alpha-Chlordane	Lin2		1457180		25.2	25.0	0.7	20.0
4,4'-DDE	Lin2		1485504		24.4	25.0	-2.6	20.0
Endosulfan I	Lin2		1361147		24.9	25.0	-0.6	20.0
Dieldrin	Lin2		1502294		25.1	25.0	0.3	20.0
Endrin	Lin2		1308015		24.7	25.0	-1.0	20.0
4,4'-DDD	Lin2		1121898		24.2	25.0	-3.2	20.0
Endosulfan II	Lin2		1235560		24.9	25.0	-0.6	20.0
4,4'-DDT	Lin2		1116985		24.6	25.0	-1.7	20.0
Endrin aldehyde	Lin2		1063810		24.9	25.0	-0.4	20.0
Methoxychlor	Lin2		572511		25.5	25.0	1.9	20.0
Endosulfan sulfate	Lin2		1128741		24.4	25.0	-2.2	20.0
Endrin ketone	Lin2		1354622		25.1	25.0	0.4	20.0
Tetrachloro-m-xylene	Lin2		1267313		24.4	25.0	-2.5	20.0
DCB Decachlorobiphenyl	Lin2		1154573		23.6	25.0	-5.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.11	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150016.D
Lims ID: ICV AB Client ID:
Inject. Date: 15-Oct-2013 17:02:25 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 196035 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:06 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 21:00:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	31682820	24.4			
2	2	3.789	3.789	0.000	87276527	24.8			
						RPD = 1.77			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	41804373	25.4			
2	2	4.270	4.270	0.000	95450785	26.3			
						RPD = 3.56			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	46556470	24.6			
2	2	4.417	4.416	0.001	118458296	24.9			
						RPD = 1.17			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.712	-0.001	40900568	23.9			
2	2	4.731	4.731	0.000	98975893	24.3			
						RPD = 1.46			
12 beta-BHC									
1	100	4.789	4.789	0.000	16014194	22.4			
2	2	4.806	4.806	0.000	38739037	22.9			
						RPD = 2.02			
13 delta-BHC									
1	100	4.938	4.939	-0.001	41874921	24.2			
2	2	5.041	5.041	0.000	93343853	24.5			
						RPD = 1.58			
15 Heptachlor									
1	100	5.114	5.115	-0.001	37730526	25.4			
2	2	5.081	5.081	0.000	86693406	25.9			
						RPD = 1.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.376	5.376	0.000	40919685	25.3			
2	2	5.351	5.350	0.001	83991156	25.8			
						RPD = 2.01			
18 Isodrin									
1	100	5.688	5.688	0.000	31076270	22.9			
2	2	5.714	5.714	0.000	62463004	23.4			
						RPD = 2.26			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	35184356	24.9			
2	2	5.893	5.893	0.000	69604434	25.3			
						RPD = 1.47			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	37523002	25.4			
2	2	6.091	6.090	0.001	72987233	25.7			
						RPD = 1.50			
24 alpha-Chlordane									
1	-65	6.236	6.237	-0.001	36429494	25.2			
2	2	6.246	6.245	0.001	68430803	25.6			
						RPD = 1.73			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	37137589	24.4			
2	2	6.426	6.425	0.001	66192799	24.7			
						RPD = 1.31			
26 Endosulfan I									
1	100	6.379	6.379	0.000	34028663	24.9			
2	2	6.303	6.303	0.000	62609213	25.2			
						RPD = 1.48			
28 Dieldrin									
1	100	6.625	6.626	-0.001	37557344	25.1			
2	2	6.585	6.585	0.000	68371566	25.6			
						RPD = 2.13			
30 Endrin									
1	-65	6.860	6.861	-0.001	32700376	24.7			
2	2	6.891	6.891	0.000	57660641	25.2			
						RPD = 1.84			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	28047461	24.2			
2	2	7.007	7.006	0.001	51093226	24.7			
						RPD = 1.95			
34 Endosulfan II									
1	100	7.081	7.081	0.000	30888999	24.9			
2	2	7.101	7.100	0.001	53524775	25.4			
						RPD = 2.21			
35 4,4'-DDT									
1	-65	7.198	7.199	-0.001	27924616	24.6			
2	2	7.311	7.311	0.000	47435102	24.8			
						RPD = 1.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	26595247	24.9			
2	2	7.429	7.429	0.000	42961754	25.1			
						RPD = 0.83			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	14312785	25.5			
2	2	7.959	7.958	0.001	22121325	25.7			
						RPD = 0.72			
38 Mirex									
1	100	7.808	7.807	0.001	23605825	25.2			
2	2	8.138	8.138	0.000	34572811	25.5			
						RPD = 1.16			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	28218530	24.4			
2	2	7.687	7.687	0.000	44814542	24.7			
						RPD = 1.02			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	33865548	25.1			
2	2	8.180	8.179	0.001	50594661	25.2			
						RPD = 0.35			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	28864336	23.6			
2	2	9.321	9.320	0.001	32643808	23.9			
						RPD = 1.12			

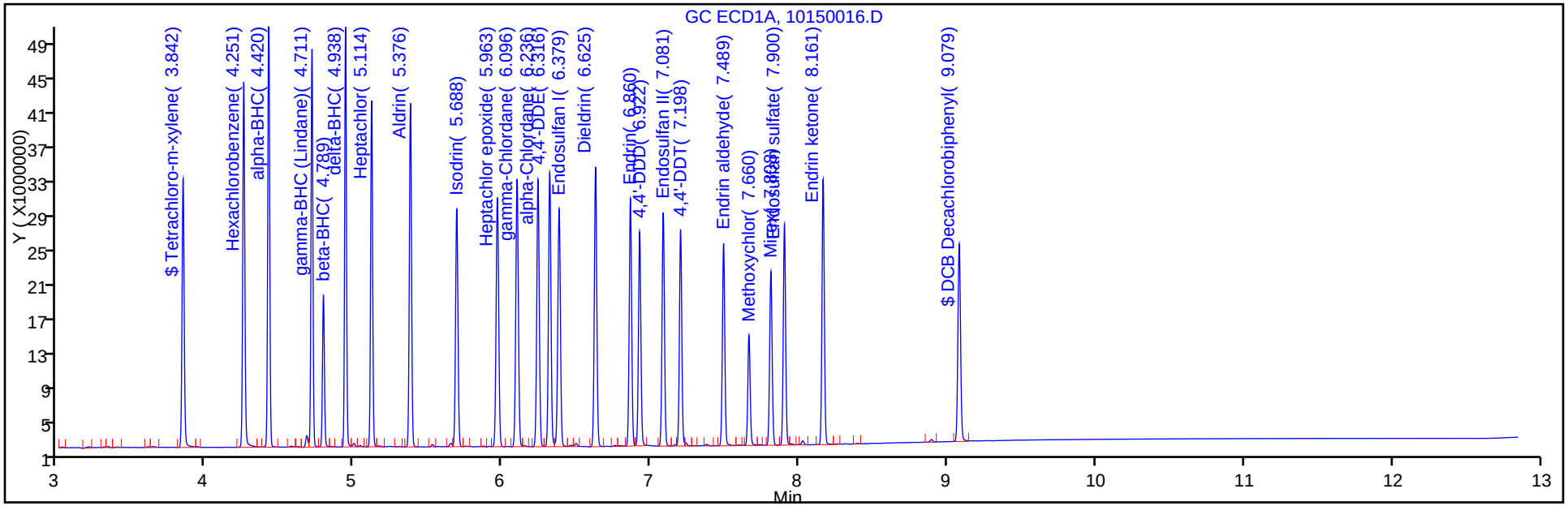
Report Date: 17-Oct-2013 05:36:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

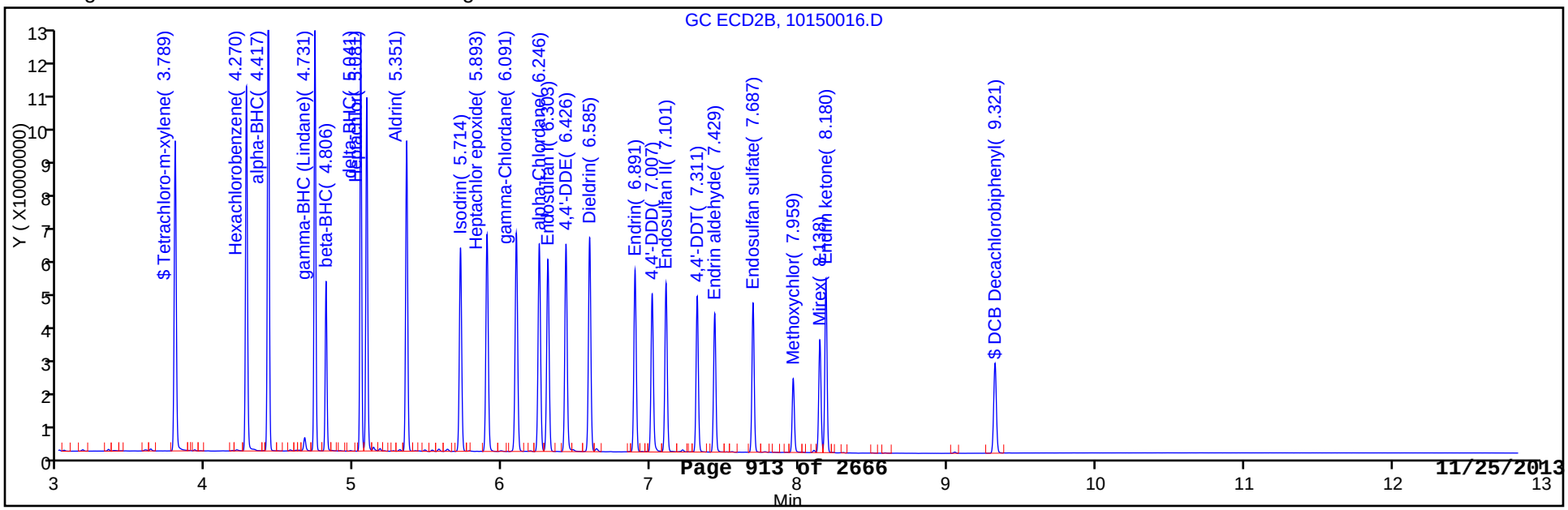
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150016.D

Injection Date:	15-Oct-2013 17:02:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		4738332		24.9	25.0	-0.5	20.0
gamma-BHC (Lindane)	Lin2		3959036		24.3	25.0	-2.9	20.0
beta-BHC	Lin2		1549561		22.9	25.0	-8.5	20.0
delta-BHC	Lin2		3733754		24.5	25.0	-1.8	20.0
Heptachlor	Lin2		3467736		25.9	25.0	3.4	20.0
Aldrin	Lin2		3359646		25.8	25.0	3.3	20.0
Heptachlor epoxide	Lin2		2784177		25.3	25.0	1.1	20.0
gamma-Chlordane	Lin2		2919489		25.7	25.0	3.0	20.0
alpha-Chlordane	Lin2		2737232		25.6	25.0	2.4	20.0
Endosulfan I	Lin2		2504369		25.2	25.0	0.9	20.0
4,4'-DDE	Lin2		2647712		24.7	25.0	-1.3	20.0
Dieldrin	Lin2		2734863		25.6	25.0	2.4	20.0
Endrin	Lin2		2306426		25.2	25.0	0.8	20.0
4,4'-DDD	Lin2		2043729		24.7	25.0	-1.3	20.0
Endosulfan II	Lin2		2140991		25.4	25.0	1.7	20.0
4,4'-DDT	Lin2		1897404		24.8	25.0	-0.7	20.0
Endrin aldehyde	Lin2		1718470		25.1	25.0	0.4	20.0
Endosulfan sulfate	Lin2		1792582		24.7	25.0	-1.2	20.0
Methoxychlor	Lin2		884853		25.7	25.0	2.6	20.0
Endrin ketone	Lin2		2023786		25.2	25.0	0.7	20.0
Tetrachloro-m-xylene	Lin2		3491061		24.8	25.0	-0.7	20.0
DCB Decachlorobiphenyl	Lin2		1305752		23.9	25.0	-4.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.81	4.80	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.09
Aldrin	5.35	5.34	5.36
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.25	6.24	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.43	6.42	6.44
Dieldrin	6.59	6.58	6.60
Endrin	6.89	6.88	6.90
4,4'-DDD	7.01	7.00	7.02
Endosulfan II	7.10	7.09	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.43	7.42	7.44
Endosulfan sulfate	7.69	7.68	7.70
Methoxychlor	7.96	7.95	7.97
Endrin ketone	8.18	8.17	8.19
Tetrachloro-m-xylene	3.79	3.78	3.80
DCB Decachlorobiphenyl	9.32	9.31	9.33

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150016.D
Lims ID: ICV AB Client ID:
Inject. Date: 15-Oct-2013 17:02:25 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 196035 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:06 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 21:00:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	31682820	24.4			
2	2	3.789	3.789	0.000	87276527	24.8			
						RPD = 1.77			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	41804373	25.4			
2	2	4.270	4.270	0.000	95450785	26.3			
						RPD = 3.56			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	46556470	24.6			
2	2	4.417	4.416	0.001	118458296	24.9			
						RPD = 1.17			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.712	-0.001	40900568	23.9			
2	2	4.731	4.731	0.000	98975893	24.3			
						RPD = 1.46			
12 beta-BHC									
1	100	4.789	4.789	0.000	16014194	22.4			
2	2	4.806	4.806	0.000	38739037	22.9			
						RPD = 2.02			
13 delta-BHC									
1	100	4.938	4.939	-0.001	41874921	24.2			
2	2	5.041	5.041	0.000	93343853	24.5			
						RPD = 1.58			
15 Heptachlor									
1	100	5.114	5.115	-0.001	37730526	25.4			
2	2	5.081	5.081	0.000	86693406	25.9			
						RPD = 1.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.376	5.376	0.000	40919685	25.3			
2	2	5.351	5.350	0.001	83991156	25.8			
						RPD = 2.01			
18 Isodrin									
1	100	5.688	5.688	0.000	31076270	22.9			
2	2	5.714	5.714	0.000	62463004	23.4			
						RPD = 2.26			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	35184356	24.9			
2	2	5.893	5.893	0.000	69604434	25.3			
						RPD = 1.47			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	37523002	25.4			
2	2	6.091	6.090	0.001	72987233	25.7			
						RPD = 1.50			
24 alpha-Chlordane									
1	-65	6.236	6.237	-0.001	36429494	25.2			
2	2	6.246	6.245	0.001	68430803	25.6			
						RPD = 1.73			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	37137589	24.4			
2	2	6.426	6.425	0.001	66192799	24.7			
						RPD = 1.31			
26 Endosulfan I									
1	100	6.379	6.379	0.000	34028663	24.9			
2	2	6.303	6.303	0.000	62609213	25.2			
						RPD = 1.48			
28 Dieldrin									
1	100	6.625	6.626	-0.001	37557344	25.1			
2	2	6.585	6.585	0.000	68371566	25.6			
						RPD = 2.13			
30 Endrin									
1	-65	6.860	6.861	-0.001	32700376	24.7			
2	2	6.891	6.891	0.000	57660641	25.2			
						RPD = 1.84			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	28047461	24.2			
2	2	7.007	7.006	0.001	51093226	24.7			
						RPD = 1.95			
34 Endosulfan II									
1	100	7.081	7.081	0.000	30888999	24.9			
2	2	7.101	7.100	0.001	53524775	25.4			
						RPD = 2.21			
35 4,4'-DDT									
1	-65	7.198	7.199	-0.001	27924616	24.6			
2	2	7.311	7.311	0.000	47435102	24.8			
						RPD = 1.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	26595247	24.9			
2	2	7.429	7.429	0.000	42961754	25.1			
						RPD = 0.83			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	14312785	25.5			
2	2	7.959	7.958	0.001	22121325	25.7			
						RPD = 0.72			
38 Mirex									
1	100	7.808	7.807	0.001	23605825	25.2			
2	2	8.138	8.138	0.000	34572811	25.5			
						RPD = 1.16			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	28218530	24.4			
2	2	7.687	7.687	0.000	44814542	24.7			
						RPD = 1.02			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	33865548	25.1			
2	2	8.180	8.179	0.001	50594661	25.2			
						RPD = 0.35			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	28864336	23.6			
2	2	9.321	9.320	0.001	32643808	23.9			
						RPD = 1.12			

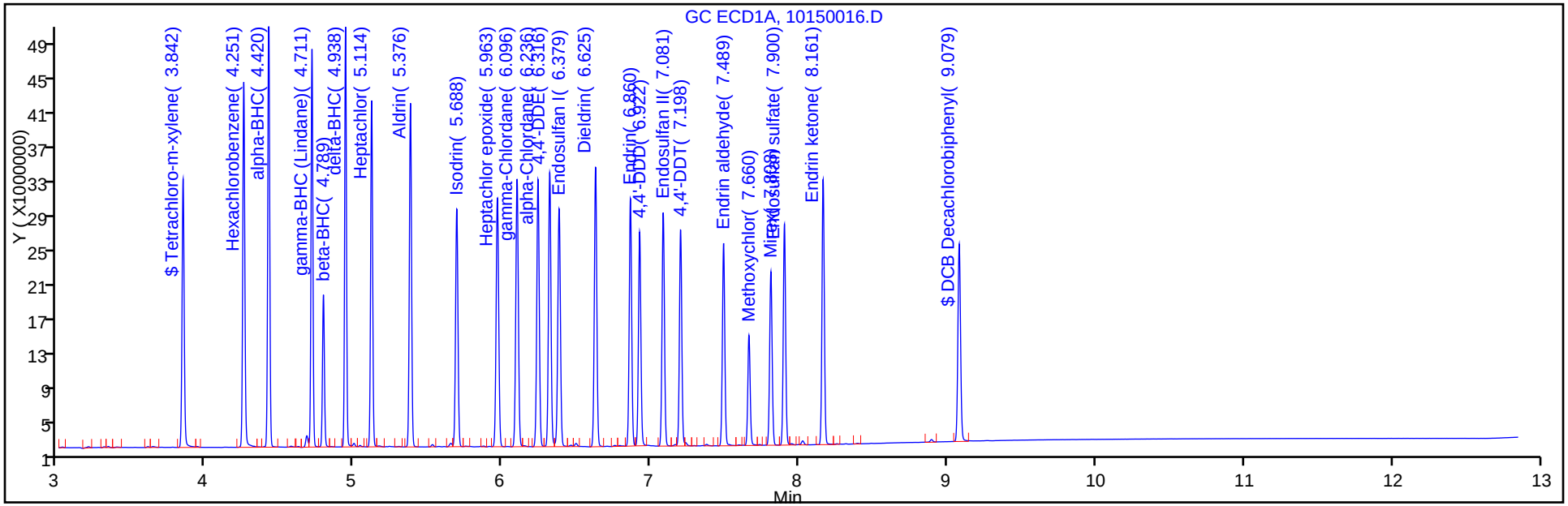
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TestAmerica Denver

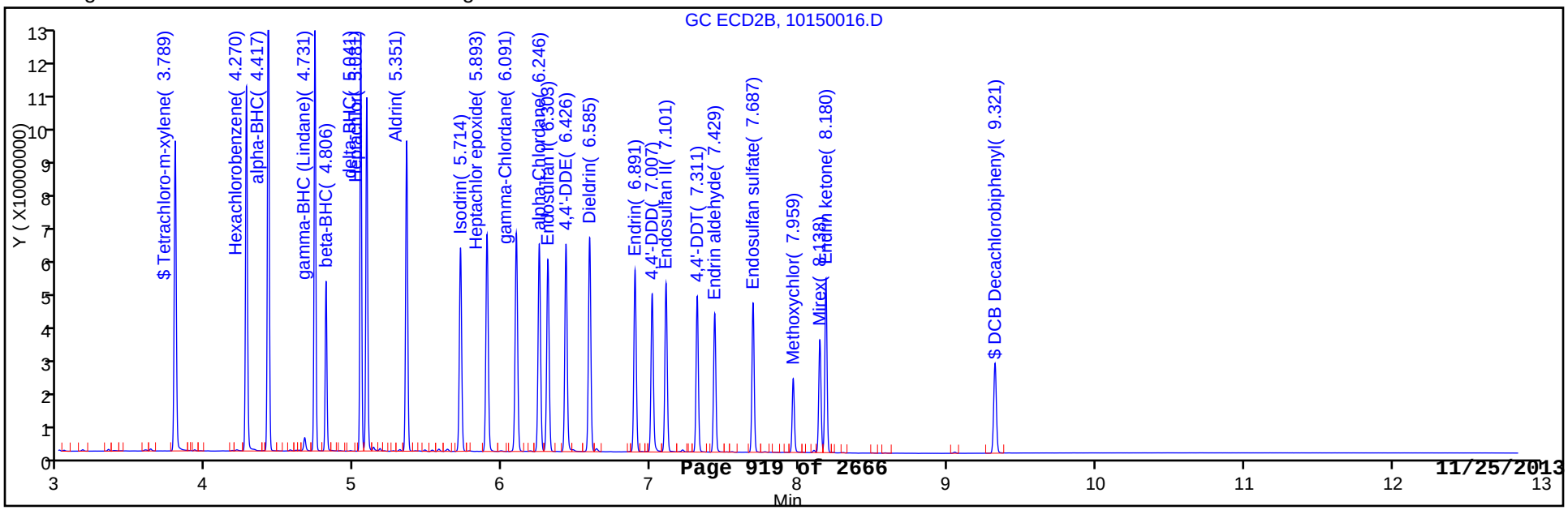
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Injection Date:	15-Oct-2013 17:02:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		5932		1380	1000	38.0*	20.0
Toxaphene Peak 2	Lin2		20314		903	1000	-9.7	20.0
Toxaphene Peak 3	Lin2		37619		1110	1000	11.0	20.0
Toxaphene Peak 4	Lin2		61421		956	1000	-4.4	20.0
Toxaphene Peak 5	Lin2		42046		1120	1000	12.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.23	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.15	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D
Lims ID: ICV TOX Client ID:
Inject. Date: 15-Oct-2013 21:08:32 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 196035 Lims Sample ID: 31
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:25 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 22:20:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.230	6.235	-0.005	5931505	1379.8		100.0	M
1	-65	6.722	6.721	0.001	20313893	902.8	513.2- 553.2	342.5	M
1	-65	7.407	7.407	0.000	37619222	1110.5	792.2- 832.2	634.2	M
1	-65	7.811	7.811	0.000	61420811	955.6	1468.1-1508.1	1035.5	M
1	-65	8.146	8.144	0.002	42046238	1121.0	878.0- 918.0	708.9	M
			Average of Peak Amounts =			1093.9			
2	6	6.563	6.561	0.002	39257230	1204.0		100.0	M
2	7	6.831	6.831	0.000	26027150	359.6	165.8- 225.8	66.3	M
2	8	7.182	7.182	0.000	79176981	858.1	243.1- 303.1	201.7	M
2	9	7.434	7.433	0.001	76856338	673.7	301.5- 361.5	195.8	M
2	10	8.266	8.266	0.000	48371805	1096.7	105.5- 165.5	123.2	M
			Average of Peak Amounts =			838.4			
						RPD = 26.44			

QC Flag Legend

Review Flags
M - Manually Integrated

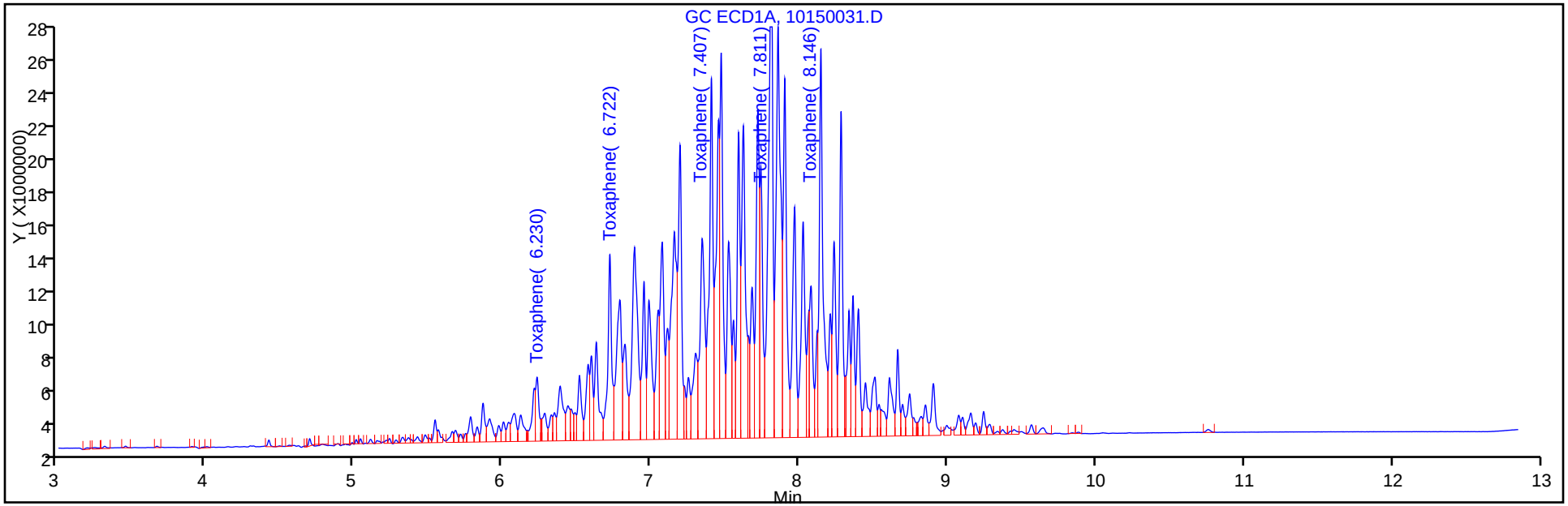
Report Date: 17-Oct-2013 05:36:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

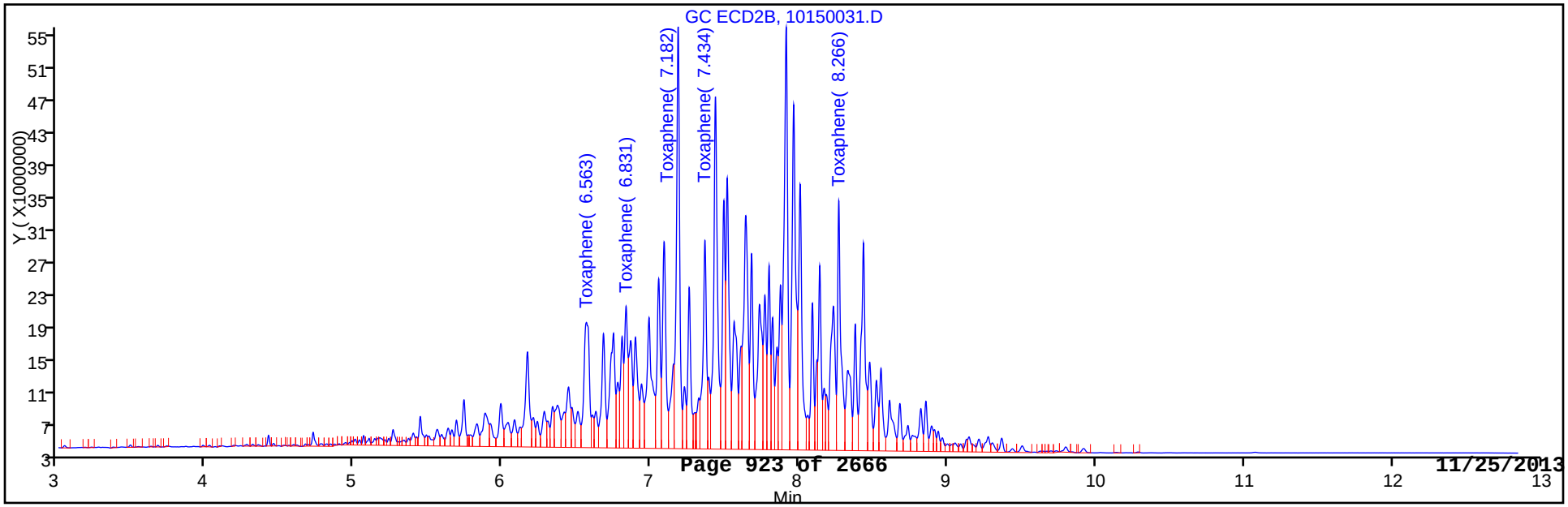
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Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



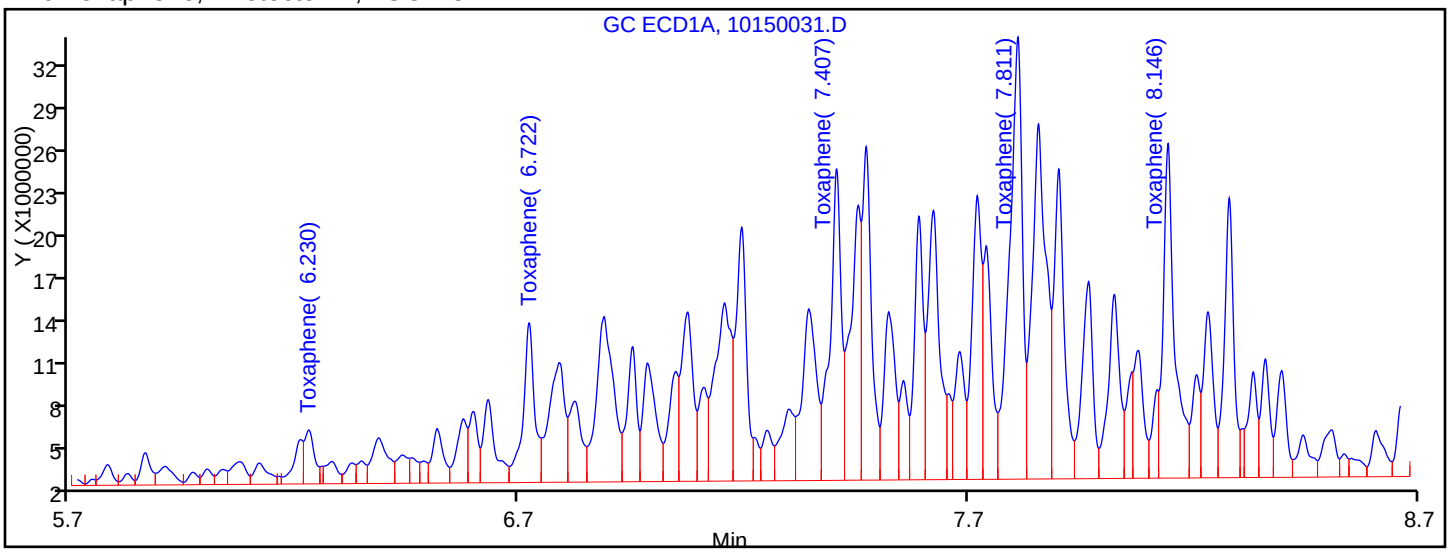
Report Date: 17-Oct-2013 05:36:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D

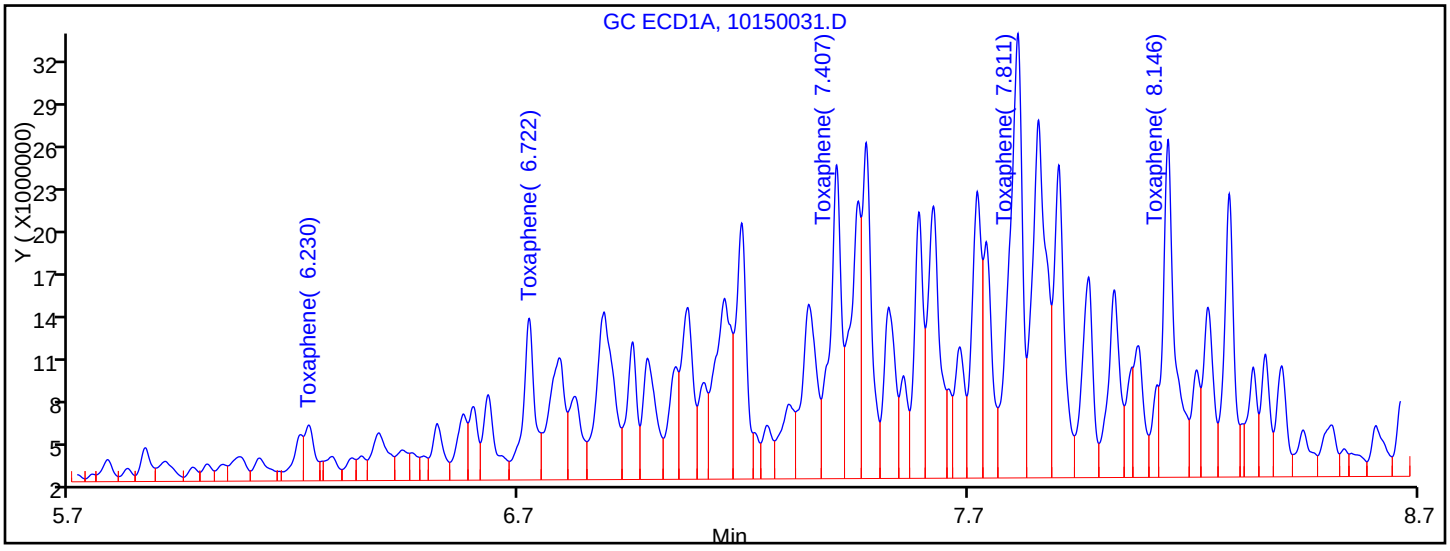
Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.230	Response = 5622036	M
RT = 6.722	Response = 19571494	M
RT = 7.407	Response = 36901197	M
RT = 7.811	Response = 60409572	M
RT = 8.146	Response = 40849936	M



Manual Integration Results

RT = 6.230	Response = 5931505	M
RT = 6.722	Response = 20313893	M
RT = 7.407	Response = 37619222	M
RT = 7.811	Response = 61420811	M
RT = 8.146	Response = 42046238	M

Reviewer: wellsd, 15-Oct-2013 22:20:17

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		39257		1200	1000	20.4*	20.0
Toxaphene Peak 2	Lin2		26027		360	1000	-64.0*	20.0
Toxaphene Peak 3	Lin2		79177		858	1000	-14.2	20.0
Toxaphene Peak 4	Lin2		76856		674	1000	-32.6*	20.0
Toxaphene Peak 5	Lin2		48372		1100	1000	9.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.56	6.54	6.58
Toxaphene Peak 2	6.83	6.81	6.85
Toxaphene Peak 3	7.18	7.16	7.20
Toxaphene Peak 4	7.43	7.41	7.45
Toxaphene Peak 5	8.27	8.25	8.29

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D
Lims ID: ICV TOX Client ID:
Inject. Date: 15-Oct-2013 21:08:32 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 196035 Lims Sample ID: 31
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:25 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 22:20:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.230	6.235	-0.005	5931505	1379.8		100.0	M
1	-65	6.722	6.721	0.001	20313893	902.8	513.2- 553.2	342.5	M
1	-65	7.407	7.407	0.000	37619222	1110.5	792.2- 832.2	634.2	M
1	-65	7.811	7.811	0.000	61420811	955.6	1468.1-1508.1	1035.5	M
1	-65	8.146	8.144	0.002	42046238	1121.0	878.0- 918.0	708.9	M
			Average of Peak Amounts =			1093.9			
2	6	6.563	6.561	0.002	39257230	1204.0		100.0	M
2	7	6.831	6.831	0.000	26027150	359.6	165.8- 225.8	66.3	M
2	8	7.182	7.182	0.000	79176981	858.1	243.1- 303.1	201.7	M
2	9	7.434	7.433	0.001	76856338	673.7	301.5- 361.5	195.8	M
2	10	8.266	8.266	0.000	48371805	1096.7	105.5- 165.5	123.2	M
			Average of Peak Amounts =			838.4			
						RPD = 26.44			

QC Flag Legend

Review Flags
M - Manually Integrated

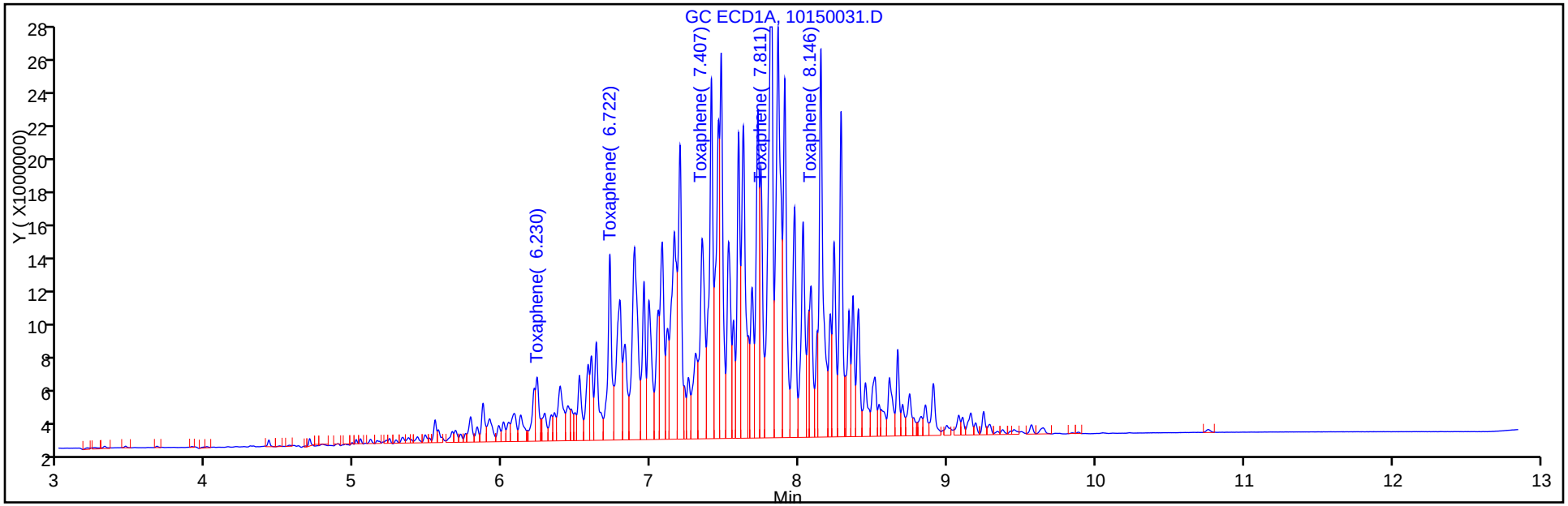
Report Date: 17-Oct-2013 05:36:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

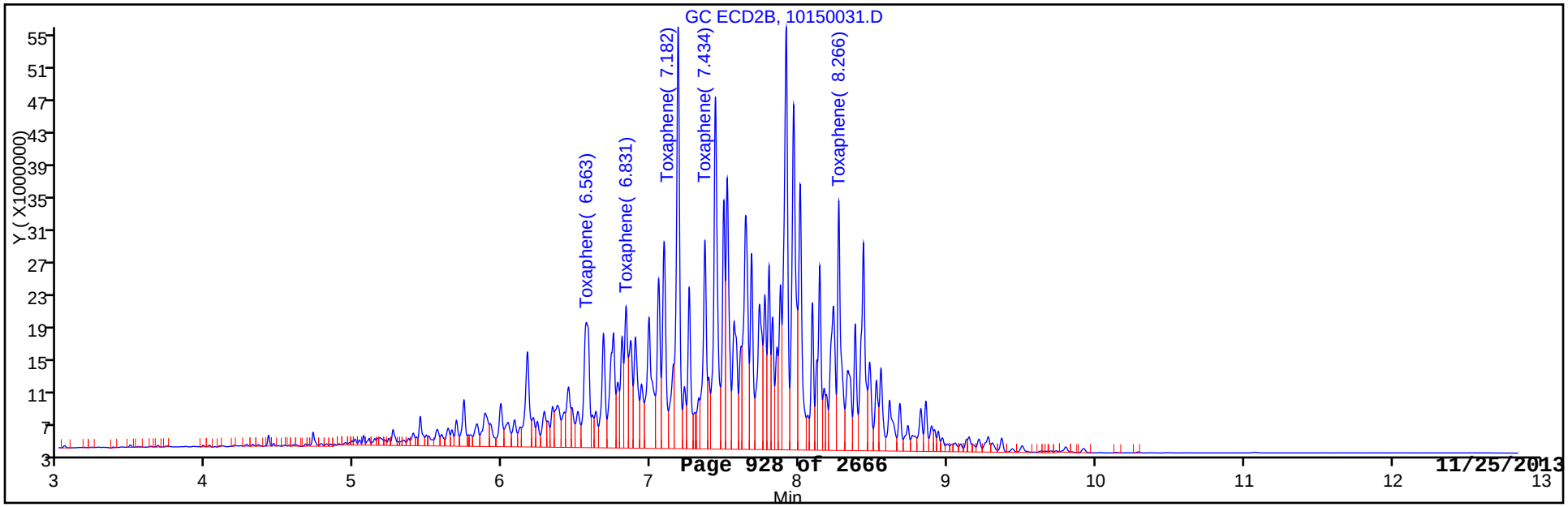
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D

Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



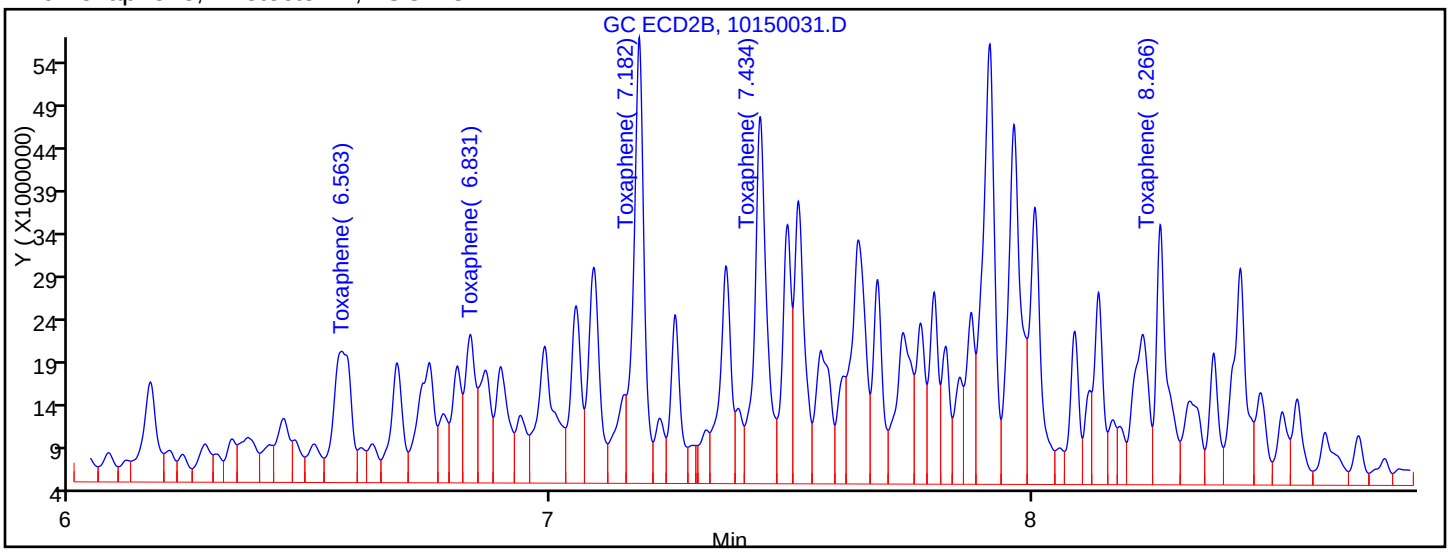
Report Date: 17-Oct-2013 05:36:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D

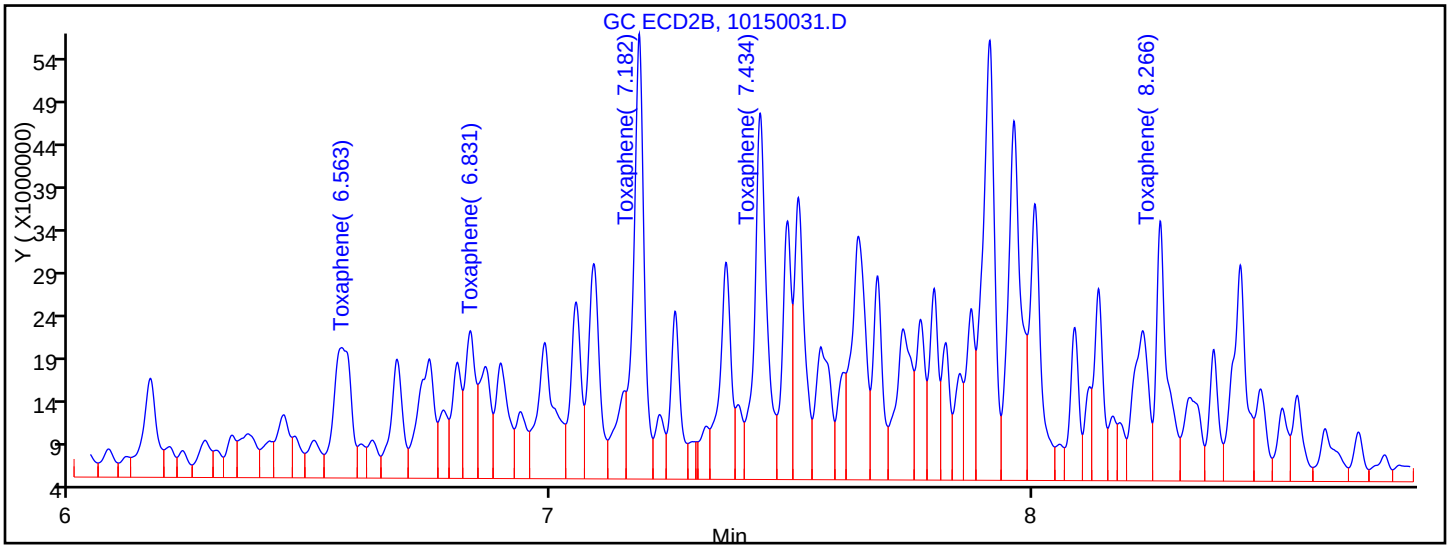
Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.563	Response = 39686403	M
RT = 6.831	Response = 26198959	M
RT = 7.182	Response = 79423079	M
RT = 7.434	Response = 77104751	M
RT = 8.266	Response = 48443098	M



Manual Integration Results

RT = 6.563	Response = 39257230	M
RT = 6.831	Response = 26027150	M
RT = 7.182	Response = 79176981	M
RT = 7.434	Response = 76856338	M
RT = 8.266	Response = 48371805	M

Reviewer: wellsd, 15-Oct-2013 22:20:17

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		1734086		45.5	50.0	-8.9	20.0
gamma-BHC (Lindane)	Lin2		1534685		44.7	50.0	-10.5	20.0
beta-BHC	Lin2		642132		45.5	50.0	-9.1	20.0
delta-BHC	Lin2		1581234		45.4	50.0	-9.2	20.0
Heptachlor	Lin2		1278633		43.2	50.0	-13.6	20.0
Aldrin	Lin2		1512076		46.6	50.0	-6.7	20.0
Heptachlor epoxide	Lin2		1282728		45.6	50.0	-8.8	20.0
gamma-Chlordane	Lin2		1343625		45.4	50.0	-9.2	20.0
alpha-Chlordane	Lin2		1344194		46.6	50.0	-6.9	20.0
4,4'-DDE	Lin2		1494760		48.9	50.0	-2.1	20.0
Endosulfan I	Lin2		1277667		46.9	50.0	-6.2	20.0
Dieldrin	Lin2		1382938		46.2	50.0	-7.6	20.0
Endrin	Lin2		1260714		47.7	50.0	-4.6	20.0
4,4'-DDD	Lin2		1051569		45.4	50.0	-9.2	20.0
Endosulfan II	Lin2		1124007		45.4	50.0	-9.3	20.0
4,4'-DDT	Lin2		1044335		45.9	50.0	-8.2	20.0
Endrin aldehyde	Lin2		980776		46.3	50.0	-7.5	20.0
Methoxychlor	Lin2		532269		47.9	50.0	-4.1	20.0
Endosulfan sulfate	Lin2		1039998		45.3	50.0	-9.3	20.0
Endrin ketone	Lin2		1208475		45.1	50.0	-9.9	20.0
Tetrachloro-m-xylene	Lin2		1327831		51.2	50.0	2.4	20.0
DCB Decachlorobiphenyl	Lin2		1250987		52.0	50.0	4.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010010.D
Lims ID: CCVRT AB Client ID:
Inject. Date: 01-Nov-2013 12:55:25 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 198855 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:06 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	66391526	51.2			
2	2	3.799	3.799	0.000	196853482	57.0			
						RPD = 10.74			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	82176576	50.3			
2	2	4.280	4.280	0.000	200542789	56.4			
						RPD = 11.44			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	86704304	45.5			
2	2	4.426	4.426	0.000	249200407	52.8			
						RPD = 14.77			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.711	0.000	76734227	44.7			
2	2	4.741	4.741	0.000	211289915	52.4			
						RPD = 15.77			
12 beta-BHC									
1	100	4.790	4.790	0.000	32106590	45.5			
2	2	4.816	4.816	0.000	85701303	51.9			
						RPD = 13.20			
13 delta-BHC									
1	100	4.939	4.939	0.000	79061677	45.4			
2	2	5.050	5.050	0.000	196215431	52.1			
						RPD = 13.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	63931655	43.2			
2	2	5.091	5.091	0.000	168554892	51.1			
						RPD = 16.79			
16 Aldrin									
1	-65	5.377	5.377	0.000	75603782	46.6			
2	2	5.361	5.361	0.000	166960842	51.9			
						RPD = 10.69			
18 Isodrin									
1	100	5.689	5.689	0.000	62998937	46.5			
2	2	5.726	5.726	0.000	135288742	51.7			
						RPD = 10.49			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	64136395	45.6			
2	2	5.906	5.906	0.000	140184892	51.8			
						RPD = 12.84			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	67181231	45.4			
2	2	6.103	6.103	0.000	142879955	51.0			
						RPD = 11.65			
24 alpha-Chlordane									
1	-65	6.236	6.236	0.000	67209689	46.6			
2	2	6.257	6.257	0.000	135122459	51.3			
						RPD = 9.69			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	74738014	48.9			
2	2	6.436	6.436	0.000	138137158	52.1			
						RPD = 6.29			
26 Endosulfan I									
1	100	6.380	6.380	0.000	63883349	46.9			
2	2	6.315	6.315	0.000	124836018	51.2			
						RPD = 8.70			
28 Dieldrin									
1	100	6.625	6.625	0.000	69146922	46.2			
2	2	6.596	6.596	0.000	134160602	50.9			
						RPD = 9.66			
30 Endrin									
1	-65	6.860	6.860	0.000	63035684	47.7			
2	2	6.902	6.902	0.000	116639207	51.5			
						RPD = 7.72			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	52578469	45.4			
2	2	7.018	7.018	0.000	101708478	49.6			
						RPD = 8.84			
34 Endosulfan II									
1	100	7.080	7.080	0.000	56200358	45.4			
2	2	7.111	7.111	0.000	103677389	49.8			
						RPD = 9.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	52216754	45.9			
2	2	7.321	7.321	0.000	95270337	50.1			
						RPD = 8.77			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	49038820	46.3			
2	2	7.439	7.439	0.000	83688487	49.7			
						RPD = 7.08			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	26613439	47.9			
2	2	7.969	7.969	0.000	43399162	51.0			
						RPD = 6.11			
38 Mirex									
1	100	7.808	7.808	0.000	42440976	46.0			
2	2	8.149	8.149	0.000	63009182	47.4			
						RPD = 3.04			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	51999912	45.3			
2	2	7.697	7.697	0.000	87348644	48.9			
						RPD = 7.49			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	60423735	45.1			
2	2	8.189	8.189	0.000	93978415	47.3			
						RPD = 4.95			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	62549325	52.0			
2	2	9.333	9.333	0.000	68918917	51.4			
						RPD = 1.24			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

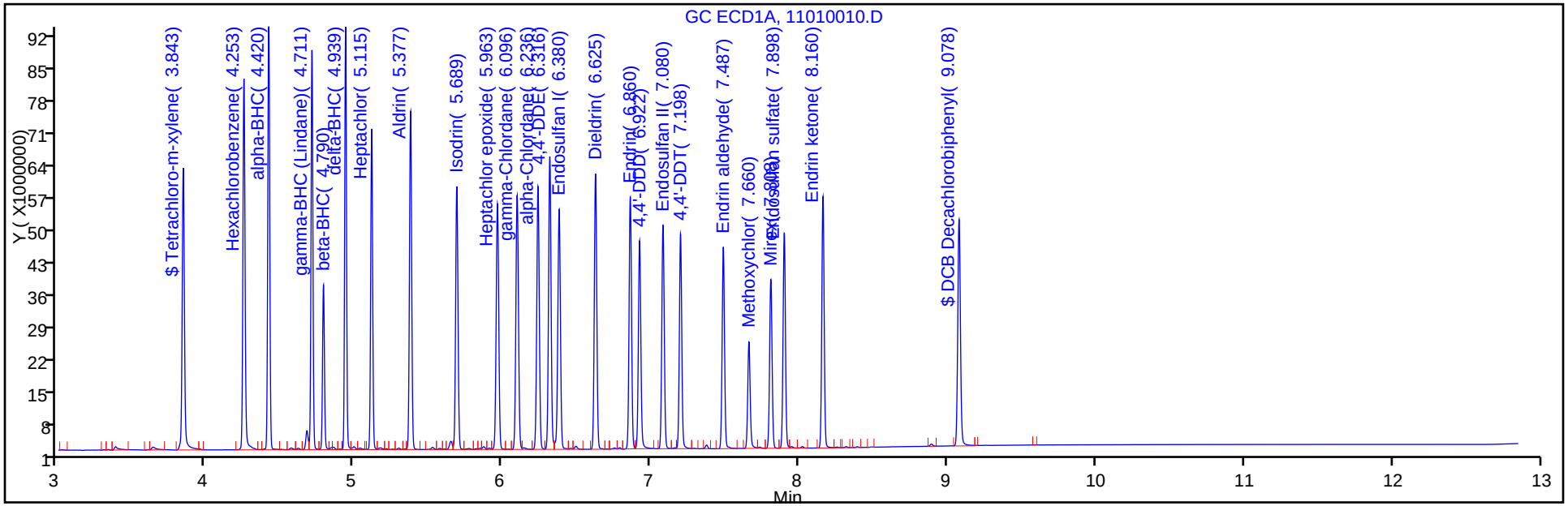
Report Date: 04-Nov-2013 06:46:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

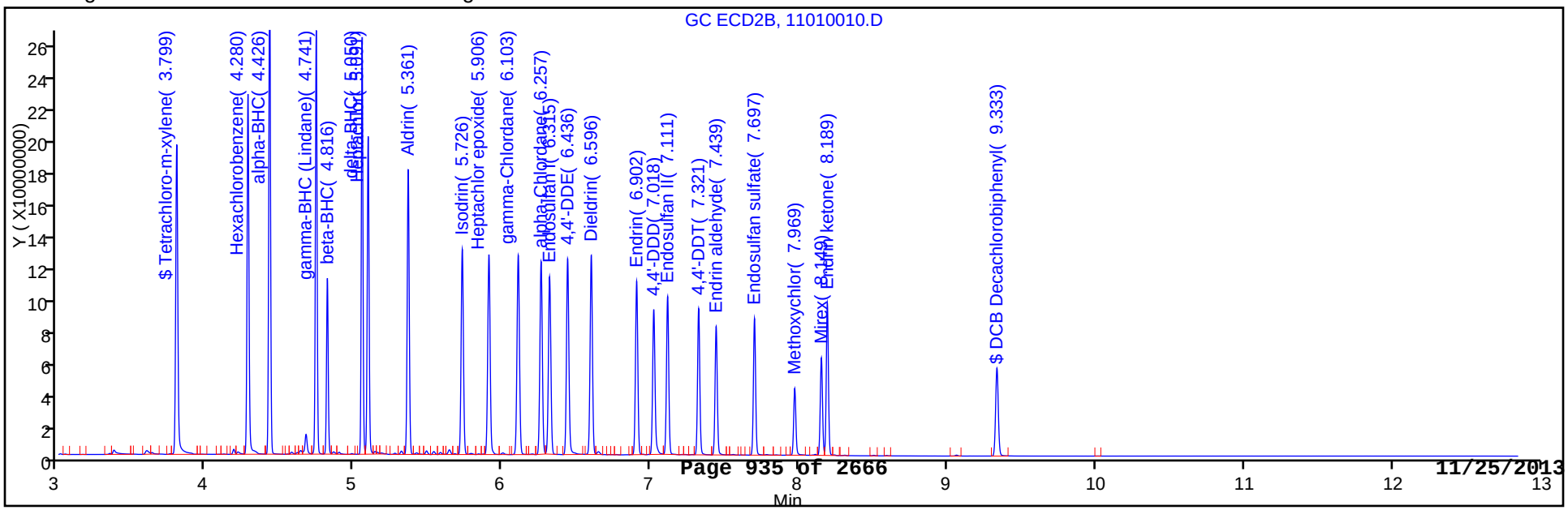
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Injection Date:	01-Nov-2013 12:55:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		4984008		52.8	50.0	5.6	20.0
gamma-BHC (Lindane)	Lin2		4225798		52.4	50.0	4.8	20.0
beta-BHC	Lin2		1714026		51.9	50.0	3.8	20.0
delta-BHC	Lin2		3924309		52.1	50.0	4.2	20.0
Heptachlor	Lin2		3371098		51.1	50.0	2.2	20.0
Aldrin	Lin2		3339217		51.9	50.0	3.8	20.0
Heptachlor epoxide	Lin2		2803698		51.8	50.0	3.7	20.0
gamma-Chlordane	Lin2		2857599		51.0	50.0	2.1	20.0
alpha-Chlordane	Lin2		2702449		51.3	50.0	2.6	20.0
Endosulfan I	Lin2		2496720		51.2	50.0	2.3	20.0
4,4'-DDE	Lin2		2762743		52.1	50.0	4.2	20.0
Dieldrin	Lin2		2683212		50.9	50.0	1.8	20.0
Endrin	Lin2		2332784		51.5	50.0	3.1	20.0
4,4'-DDD	Lin2		2034170		49.6	50.0	-0.8	20.0
Endosulfan II	Lin2		2073548		49.8	50.0	-0.4	20.0
4,4'-DDT	Lin2		1905407		50.1	50.0	0.3	20.0
Endrin aldehyde	Lin2		1673770		49.7	50.0	-0.7	20.0
Endosulfan sulfate	Lin2		1746973		48.9	50.0	-2.3	20.0
Methoxychlor	Lin2		867983		51.0	50.0	1.9	20.0
Endrin ketone	Lin2		1879568		47.3	50.0	-5.3	20.0
Tetrachloro-m-xylene	Lin2		3937070		57.0	50.0	14.0	20.0
DCB Decachlorobiphenyl	Lin2		1378378		51.4	50.0	2.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010010.D
Lims ID: CCVRT AB Client ID:
Inject. Date: 01-Nov-2013 12:55:25 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 198855 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:06 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	66391526	51.2			
2	2	3.799	3.799	0.000	196853482	57.0			
						RPD = 10.74			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	82176576	50.3			
2	2	4.280	4.280	0.000	200542789	56.4			
						RPD = 11.44			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	86704304	45.5			
2	2	4.426	4.426	0.000	249200407	52.8			
						RPD = 14.77			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.711	0.000	76734227	44.7			
2	2	4.741	4.741	0.000	211289915	52.4			
						RPD = 15.77			
12 beta-BHC									
1	100	4.790	4.790	0.000	32106590	45.5			
2	2	4.816	4.816	0.000	85701303	51.9			
						RPD = 13.20			
13 delta-BHC									
1	100	4.939	4.939	0.000	79061677	45.4			
2	2	5.050	5.050	0.000	196215431	52.1			
						RPD = 13.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	63931655	43.2			
2	2	5.091	5.091	0.000	168554892	51.1			
						RPD = 16.79			
16 Aldrin									
1	-65	5.377	5.377	0.000	75603782	46.6			
2	2	5.361	5.361	0.000	166960842	51.9			
						RPD = 10.69			
18 Isodrin									
1	100	5.689	5.689	0.000	62998937	46.5			
2	2	5.726	5.726	0.000	135288742	51.7			
						RPD = 10.49			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	64136395	45.6			
2	2	5.906	5.906	0.000	140184892	51.8			
						RPD = 12.84			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	67181231	45.4			
2	2	6.103	6.103	0.000	142879955	51.0			
						RPD = 11.65			
24 alpha-Chlordane									
1	-65	6.236	6.236	0.000	67209689	46.6			
2	2	6.257	6.257	0.000	135122459	51.3			
						RPD = 9.69			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	74738014	48.9			
2	2	6.436	6.436	0.000	138137158	52.1			
						RPD = 6.29			
26 Endosulfan I									
1	100	6.380	6.380	0.000	63883349	46.9			
2	2	6.315	6.315	0.000	124836018	51.2			
						RPD = 8.70			
28 Dieldrin									
1	100	6.625	6.625	0.000	69146922	46.2			
2	2	6.596	6.596	0.000	134160602	50.9			
						RPD = 9.66			
30 Endrin									
1	-65	6.860	6.860	0.000	63035684	47.7			
2	2	6.902	6.902	0.000	116639207	51.5			
						RPD = 7.72			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	52578469	45.4			
2	2	7.018	7.018	0.000	101708478	49.6			
						RPD = 8.84			
34 Endosulfan II									
1	100	7.080	7.080	0.000	56200358	45.4			
2	2	7.111	7.111	0.000	103677389	49.8			
						RPD = 9.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	52216754	45.9			
2	2	7.321	7.321	0.000	95270337	50.1			
						RPD = 8.77			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	49038820	46.3			
2	2	7.439	7.439	0.000	83688487	49.7			
						RPD = 7.08			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	26613439	47.9			
2	2	7.969	7.969	0.000	43399162	51.0			
						RPD = 6.11			
38 Mirex									
1	100	7.808	7.808	0.000	42440976	46.0			
2	2	8.149	8.149	0.000	63009182	47.4			
						RPD = 3.04			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	51999912	45.3			
2	2	7.697	7.697	0.000	87348644	48.9			
						RPD = 7.49			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	60423735	45.1			
2	2	8.189	8.189	0.000	93978415	47.3			
						RPD = 4.95			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	62549325	52.0			
2	2	9.333	9.333	0.000	68918917	51.4			
						RPD = 1.24			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

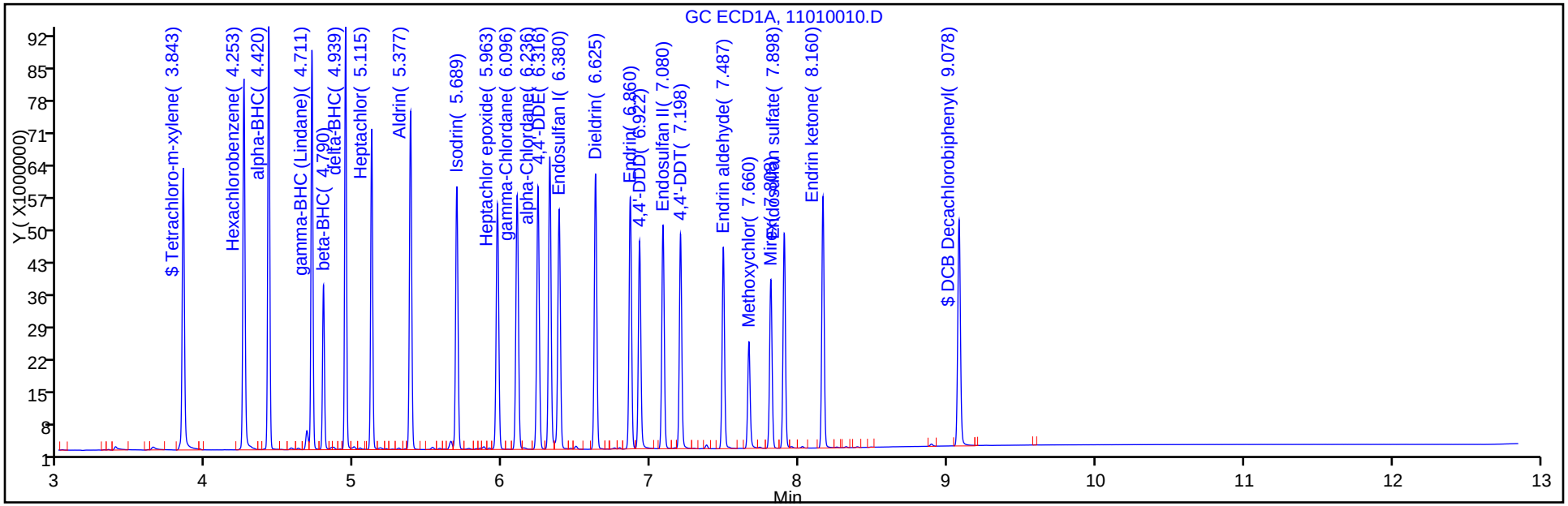
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TestAmerica Denver

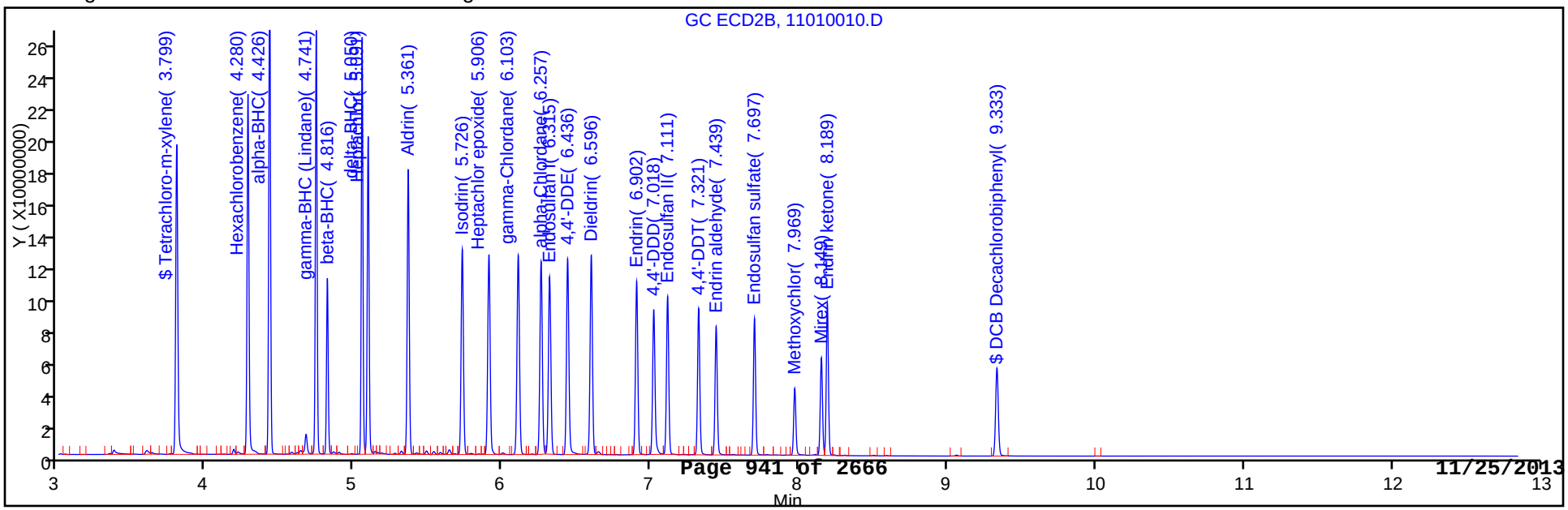
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Injection Date:	01-Nov-2013 12:55:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/11 Calibration Date: 11/01/2013 13:11

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		3718		1740	2000	-13.1	20.0
Toxaphene Peak 2	Lin2		21401		1910	2000	-4.7	20.0
Toxaphene Peak 3	Lin2		32290		1910	2000	-4.6	20.0
Toxaphene Peak 4	Lin2		60219		1870	2000	-6.7	20.0
Toxaphene Peak 5	Lin2		36757		1950	2000	-2.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/11 Calibration Date: 11/01/2013 13:11

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.24	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010011.D		
Lims ID:	CCV TOX	Client ID:	
Inject. Date:	01-Nov-2013 13:11:52	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	198855	Lims Sample ID:	11
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:08	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:20:51

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	7436143	1737.3		100.0	M
1	-65	6.721	6.721	0.000	42801893	1906.2	513.2- 553.2	575.6	M
1	-65	7.406	7.406	0.000	64580292	1907.1	792.2- 832.2	868.5	M
1	-65	7.811	7.811	0.000	120437600	1866.4	1468.1-1508.1	1619.6	M
1	-65	8.143	8.143	0.000	73514461	1945.4	878.0- 918.0	988.6	M
			Average of Peak Amounts =			1872.5			
2	6	6.574	6.574	0.000	67790554	2155.0		100.0	M
2	7	6.841	6.841	0.000	140669838	2186.2	165.8- 225.8	207.5	M
2	8	7.191	7.191	0.000	195223289	2184.2	243.1- 303.1	288.0	M
2	9	7.442	7.442	0.000	237292567	2169.1	301.5- 361.5	350.0	M
2	10	8.274	8.274	0.000	89065469	2037.2	105.5- 165.5	131.4	M
			Average of Peak Amounts =			2146.3			
						RPD = 13.63			

QC Flag Legend

Review Flags
M - Manually Integrated

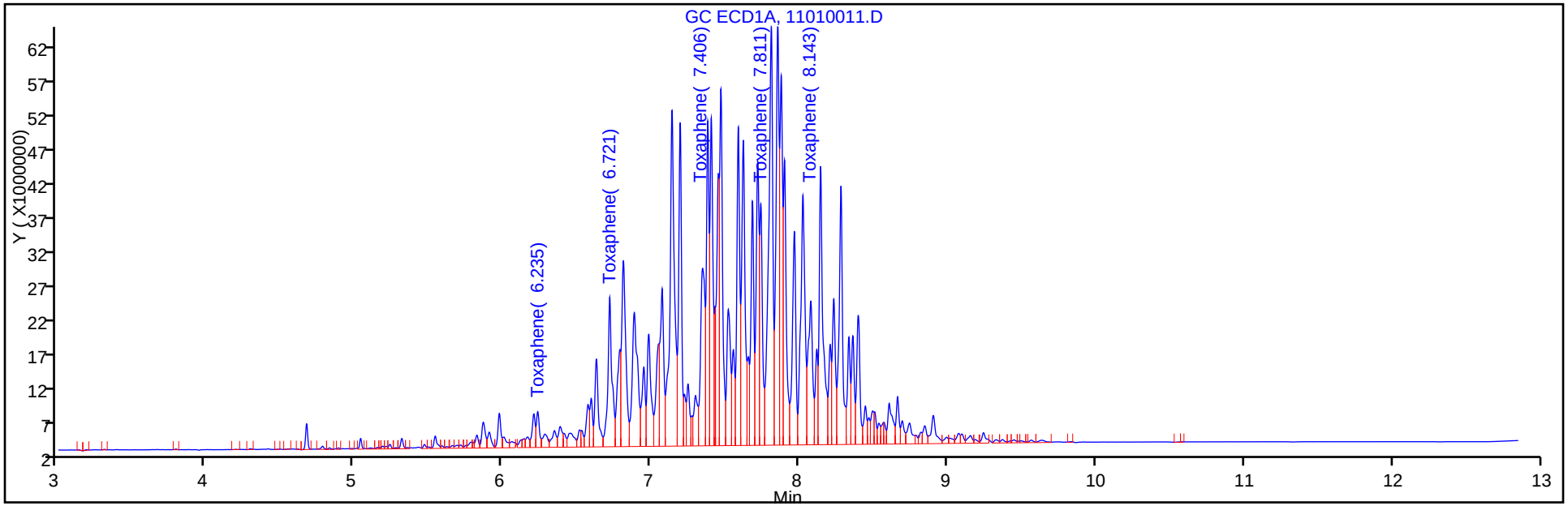
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TestAmerica Denver

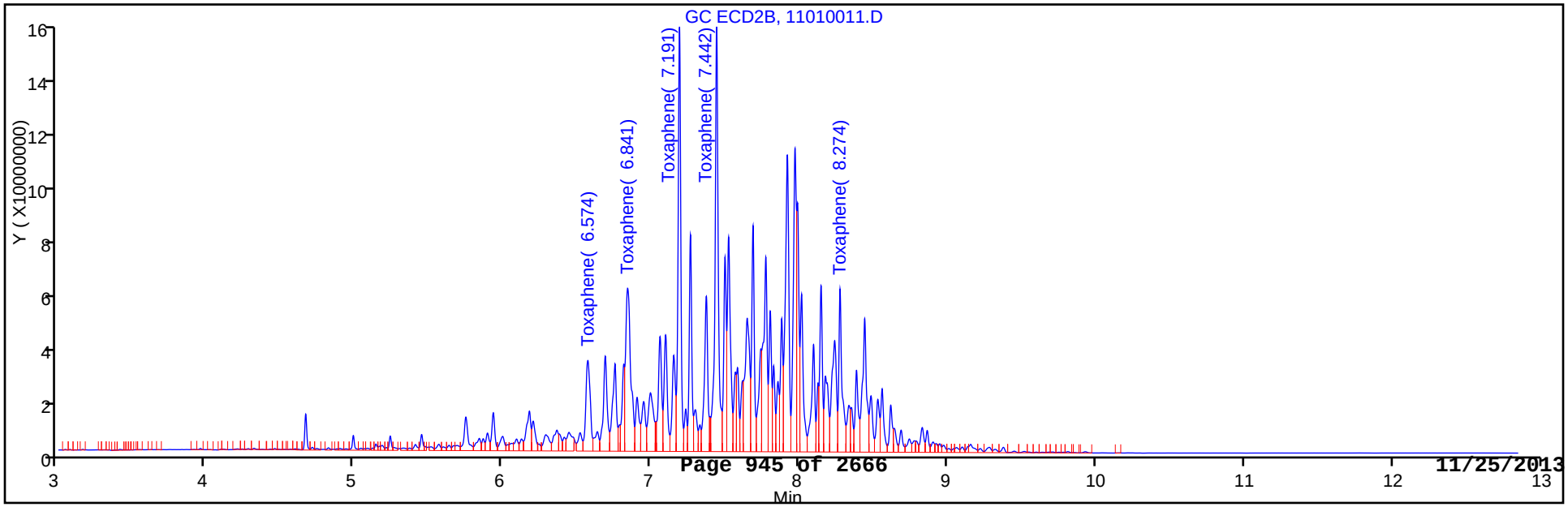
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Injection Date:	01-Nov-2013 13:11:52	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



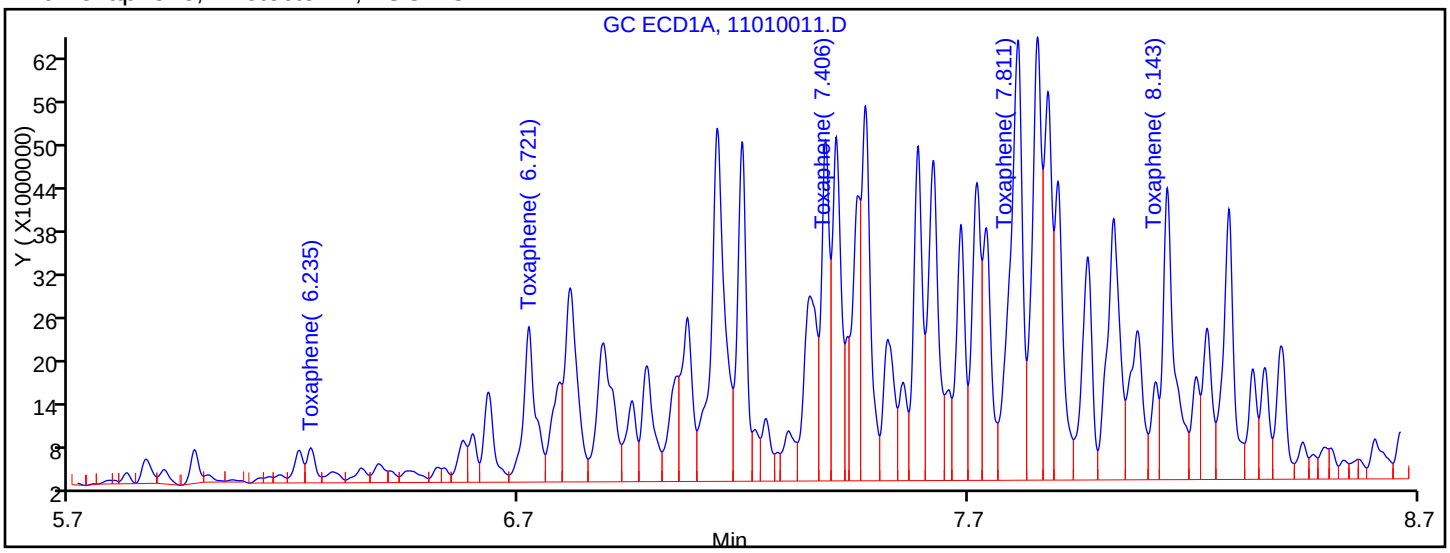
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010011.D

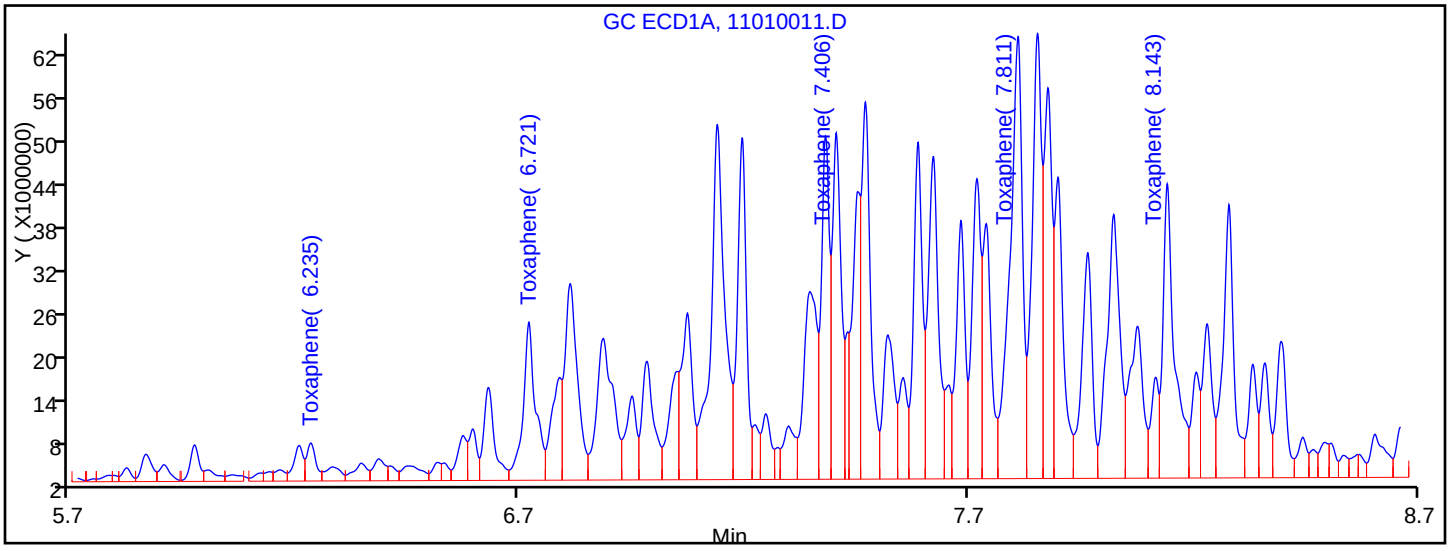
Injection Date:	01-Nov-2013 13:11:52	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.235	Response = 6480074	M
RT = 6.721	Response = 40690799	M
RT = 7.406	Response = 63739768	M
RT = 7.811	Response = 118673449	M
RT = 8.143	Response = 71674980	M



Manual Integration Results

RT = 6.235	Response = 7436143	M
RT = 6.721	Response = 42801893	M
RT = 7.406	Response = 64580292	M
RT = 7.811	Response = 120437600	M
RT = 8.143	Response = 73514461	M

Reviewer: wellsd, 04-Nov-2013 06:20:51

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		2013227		52.8	50.0	5.6	20.0
gamma-BHC (Lindane)	Lin2		1839761		53.6	50.0	7.2	20.0
beta-BHC	Lin2		742949		52.7	50.0	5.4	20.0
delta-BHC	Lin2		1849905		53.1	50.0	6.1	20.0
Heptachlor	Lin2		1487562		50.3	50.0	0.5	20.0
Aldrin	Lin2		1752715		54.1	50.0	8.1	20.0
Heptachlor epoxide	Lin2		1528856		54.4	50.0	8.7	20.0
gamma-Chlordane	Lin2		1595341		53.9	50.0	7.8	20.0
alpha-Chlordane	Lin2		1533036		53.1	50.0	6.2	20.0
4,4'-DDE	Lin2		1622946		53.1	50.0	6.3	20.0
Endosulfan I	Lin2		1478660		54.3	50.0	8.7	20.0
Dieldrin	Lin2		1617922		54.1	50.0	8.1	20.0
Endrin	Lin2		1436686		54.4	50.0	8.7	20.0
4,4'-DDD	Lin2		1313392		56.7	50.0	13.4	20.0
Endosulfan II	Lin2		1341540		54.2	50.0	8.3	20.0
4,4'-DDT	Lin2		1159157		51.0	50.0	1.9	20.0
Endrin aldehyde	Lin2		1141011		53.9	50.0	7.8	20.0
Methoxychlor	Lin2		575915		51.9	50.0	3.8	20.0
Endosulfan sulfate	Lin2		1231686		53.8	50.0	7.5	20.0
Endrin ketone	Lin2		1456200		54.4	50.0	8.8	20.0
Tetrachloro-m-xylene	Lin2		1367810		52.7	50.0	5.5	20.0
DCB Decachlorobiphenyl	Lin2		1288655		53.6	50.0	7.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.85	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010038.D
Lims ID: CCV AB Client ID:
Inject. Date: 01-Nov-2013 20:54:32 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 198855 Lims Sample ID: 38
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:32 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	68390494	52.7			
2	2	3.802	3.799	0.003	201803916	58.5			
						RPD = 10.29			
8 Hexachlorobenzene									
1	100	4.254	4.253	0.001	86235593	52.8			
2	2	4.281	4.280	0.001	207075683	58.2			
						RPD = 9.85			
10 alpha-BHC									
1	-65	4.422	4.420	0.002	100661358	52.8			
2	2	4.428	4.426	0.002	268497953	56.9			
						RPD = 7.47			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.711	0.002	91988067	53.6			
2	2	4.742	4.741	0.001	226966859	56.3			
						RPD = 4.96			
12 beta-BHC									
1	100	4.790	4.790	0.000	37147436	52.7			
2	2	4.816	4.816	0.000	92381790	56.0			
						RPD = 6.14			
13 delta-BHC									
1	100	4.939	4.939	0.000	92495246	53.1			
2	2	5.051	5.050	0.001	212649302	56.5			
						RPD = 6.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74378089	50.3			
2	2	5.092	5.091	0.001	180001276	54.6			
						RPD = 8.33			
16 Aldrin									
1	-65	5.377	5.377	0.000	87635731	54.1			
2	2	5.362	5.361	0.001	179880672	56.0			
						RPD = 3.50			
18 Isodrin									
1	100	5.690	5.689	0.001	73085331	54.0			
2	2	5.728	5.726	0.002	145390693	55.6			
						RPD = 2.93			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76442817	54.4			
2	2	5.907	5.906	0.001	150621362	55.8			
						RPD = 2.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	79767044	53.9			
2	2	6.105	6.103	0.002	153979472	55.0			
						RPD = 2.06			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	76651796	53.1			
2	2	6.259	6.257	0.002	144915399	55.1			
						RPD = 3.61			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81147306	53.1			
2	2	6.437	6.436	0.001	148837701	56.2			
						RPD = 5.62			
26 Endosulfan I									
1	100	6.379	6.380	-0.001	73932987	54.3			
2	2	6.316	6.315	0.001	134084374	55.0			
						RPD = 1.27			
28 Dieldrin									
1	100	6.625	6.625	0.000	80896101	54.1			
2	2	6.598	6.596	0.002	145742782	55.3			
						RPD = 2.34			
30 Endrin									
1	-65	6.859	6.860	-0.001	71834315	54.4			
2	2	6.903	6.902	0.001	124558865	55.1			
						RPD = 1.29			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65669583	56.7			
2	2	7.018	7.018	0.000	113380037	55.3			
						RPD = 2.44			
34 Endosulfan II									
1	100	7.081	7.080	0.001	67076983	54.2			
2	2	7.112	7.111	0.001	113477659	54.6			
						RPD = 0.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	57957842	51.0			
2	2	7.321	7.321	0.000	95574438	50.3			
						RPD = 1.33			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	57050527	53.9			
2	2	7.440	7.439	0.001	90069712	53.5			
						RPD = 0.71			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28795753	51.9			
2	2	7.969	7.969	0.000	42918601	50.4			
						RPD = 3.00			
38 Mirex									
1	100	7.808	7.808	0.000	48484367	52.6			
2	2	8.150	8.149	0.001	67876920	51.1			
						RPD = 2.87			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61584322	53.8			
2	2	7.698	7.697	0.001	95182281	53.3			
						RPD = 0.83			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	72810011	54.4			
2	2	8.190	8.189	0.001	102955920	51.9			
						RPD = 4.59			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	64432727	53.6			
2	2	9.334	9.333	0.001	70934425	52.9			
						RPD = 1.31			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

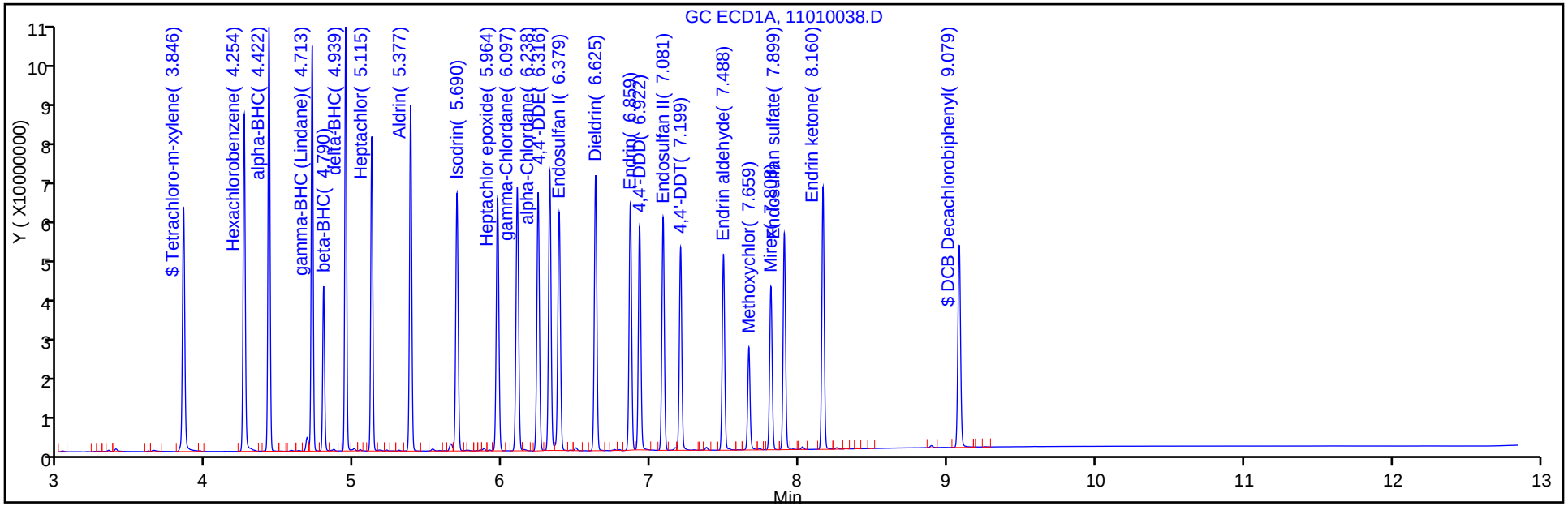
Report Date: 04-Nov-2013 06:46:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

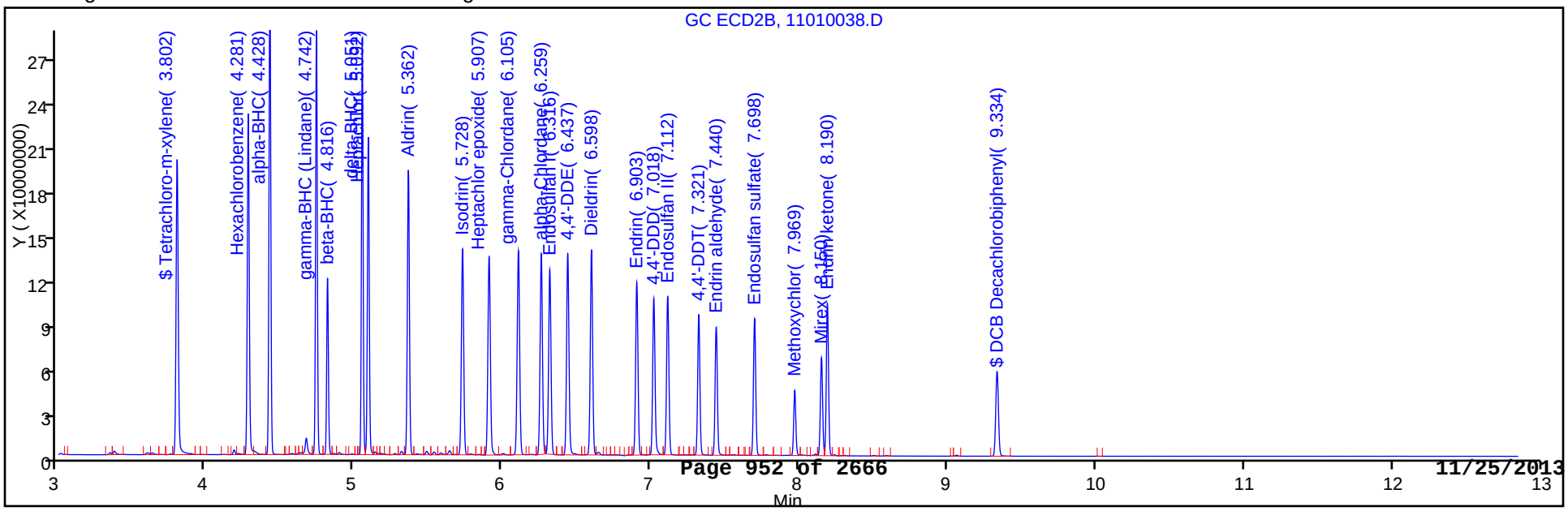
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010038.D

Injection Date:	01-Nov-2013 20:54:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	38
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5369959		56.9	50.0	13.8	20.0
gamma-BHC (Lindane)	Lin2		4539337		56.3	50.0	12.7	20.0
beta-BHC	Lin2		1847636		56.0	50.0	12.1	20.0
delta-BHC	Lin2		4252986		56.5	50.0	13.0	20.0
Heptachlor	Lin2		3600026		54.6	50.0	9.2	20.0
Aldrin	Lin2		3597613		56.0	50.0	12.0	20.0
Heptachlor epoxide	Lin2		3012427		55.8	50.0	11.5	20.0
gamma-Chlordane	Lin2		3079589		55.0	50.0	10.1	20.0
alpha-Chlordane	Lin2		2898308		55.1	50.0	10.1	20.0
Endosulfan I	Lin2		2681687		55.0	50.0	10.0	20.0
4,4'-DDE	Lin2		2976754		56.2	50.0	12.4	20.0
Dieldrin	Lin2		2914856		55.3	50.0	10.7	20.0
Endrin	Lin2		2491177		55.1	50.0	10.1	20.0
4,4'-DDD	Lin2		2267601		55.3	50.0	10.7	20.0
Endosulfan II	Lin2		2269553		54.6	50.0	9.1	20.0
4,4'-DDT	Lin2		1911489		50.3	50.0	0.6	20.0
Endrin aldehyde	Lin2		1801394		53.5	50.0	7.0	20.0
Endosulfan sulfate	Lin2		1903646		53.3	50.0	6.7	20.0
Methoxychlor	Lin2		858372		50.4	50.0	0.8	20.0
Endrin ketone	Lin2		2059118		51.9	50.0	3.9	20.0
Tetrachloro-m-xylene	Lin2		4036078		58.5	50.0	16.9	20.0
DCB Decachlorobiphenyl	Lin2		1418689		52.9	50.0	5.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.11	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010038.D
Lims ID: CCV AB Client ID:
Inject. Date: 01-Nov-2013 20:54:32 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 198855 Lims Sample ID: 38
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:32 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	68390494	52.7			
2	2	3.802	3.799	0.003	201803916	58.5			
						RPD = 10.29			
8 Hexachlorobenzene									
1	100	4.254	4.253	0.001	86235593	52.8			
2	2	4.281	4.280	0.001	207075683	58.2			
						RPD = 9.85			
10 alpha-BHC									
1	-65	4.422	4.420	0.002	100661358	52.8			
2	2	4.428	4.426	0.002	268497953	56.9			
						RPD = 7.47			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.711	0.002	91988067	53.6			
2	2	4.742	4.741	0.001	226966859	56.3			
						RPD = 4.96			
12 beta-BHC									
1	100	4.790	4.790	0.000	37147436	52.7			
2	2	4.816	4.816	0.000	92381790	56.0			
						RPD = 6.14			
13 delta-BHC									
1	100	4.939	4.939	0.000	92495246	53.1			
2	2	5.051	5.050	0.001	212649302	56.5			
						RPD = 6.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74378089	50.3			
2	2	5.092	5.091	0.001	180001276	54.6			
						RPD = 8.33			
16 Aldrin									
1	-65	5.377	5.377	0.000	87635731	54.1			
2	2	5.362	5.361	0.001	179880672	56.0			
						RPD = 3.50			
18 Isodrin									
1	100	5.690	5.689	0.001	73085331	54.0			
2	2	5.728	5.726	0.002	145390693	55.6			
						RPD = 2.93			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76442817	54.4			
2	2	5.907	5.906	0.001	150621362	55.8			
						RPD = 2.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	79767044	53.9			
2	2	6.105	6.103	0.002	153979472	55.0			
						RPD = 2.06			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	76651796	53.1			
2	2	6.259	6.257	0.002	144915399	55.1			
						RPD = 3.61			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81147306	53.1			
2	2	6.437	6.436	0.001	148837701	56.2			
						RPD = 5.62			
26 Endosulfan I									
1	100	6.379	6.380	-0.001	73932987	54.3			
2	2	6.316	6.315	0.001	134084374	55.0			
						RPD = 1.27			
28 Dieldrin									
1	100	6.625	6.625	0.000	80896101	54.1			
2	2	6.598	6.596	0.002	145742782	55.3			
						RPD = 2.34			
30 Endrin									
1	-65	6.859	6.860	-0.001	71834315	54.4			
2	2	6.903	6.902	0.001	124558865	55.1			
						RPD = 1.29			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65669583	56.7			
2	2	7.018	7.018	0.000	113380037	55.3			
						RPD = 2.44			
34 Endosulfan II									
1	100	7.081	7.080	0.001	67076983	54.2			
2	2	7.112	7.111	0.001	113477659	54.6			
						RPD = 0.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	57957842	51.0			
2	2	7.321	7.321	0.000	95574438	50.3			
						RPD = 1.33			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	57050527	53.9			
2	2	7.440	7.439	0.001	90069712	53.5			
						RPD = 0.71			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28795753	51.9			
2	2	7.969	7.969	0.000	42918601	50.4			
						RPD = 3.00			
38 Mirex									
1	100	7.808	7.808	0.000	48484367	52.6			
2	2	8.150	8.149	0.001	67876920	51.1			
						RPD = 2.87			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61584322	53.8			
2	2	7.698	7.697	0.001	95182281	53.3			
						RPD = 0.83			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	72810011	54.4			
2	2	8.190	8.189	0.001	102955920	51.9			
						RPD = 4.59			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	64432727	53.6			
2	2	9.334	9.333	0.001	70934425	52.9			
						RPD = 1.31			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

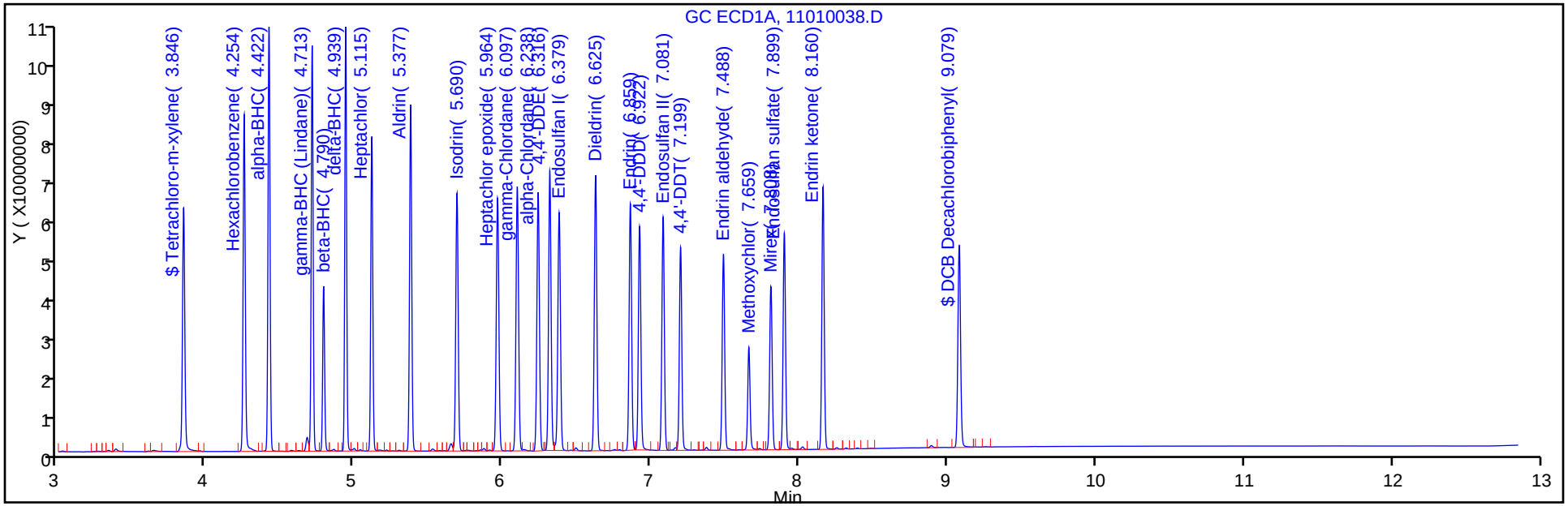
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TestAmerica Denver

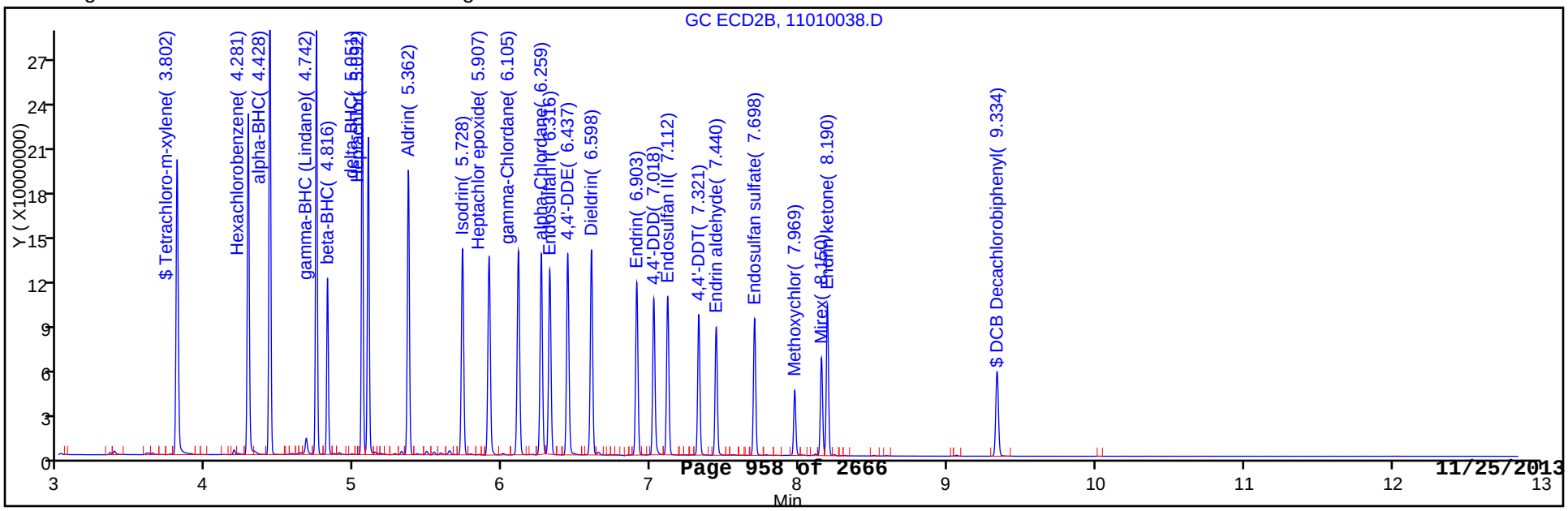
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Injection Date:	01-Nov-2013 20:54:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	38
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/40 Calibration Date: 11/01/2013 21:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010040.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		6146		2890	2000	44.6*	20.0
Toxaphene Peak 2	Lin2		20736		1850	2000	-7.7	20.0
Toxaphene Peak 3	Lin2		36852		2180	2000	8.8	20.0
Toxaphene Peak 4	Lin2		63632		1970	2000	-1.4	20.0
Toxaphene Peak 5	Lin2		37301		1970	2000	-1.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/40 Calibration Date: 11/01/2013 21:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.24	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010040.D		
Lims ID:	CCV TOX	Client ID:	
Inject. Date:	01-Nov-2013 21:27:18	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	34
Lims Batch ID:	198855	Lims Sample ID:	40
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:34	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	12292128	2891.1		100.0	M
1	-65	6.721	6.721	0.000	41471528	1846.8	513.2- 553.2	337.4	M
1	-65	7.406	7.406	0.000	73703496	2176.7	792.2- 832.2	599.6	M
1	-65	7.811	7.811	0.000	127264795	1971.8	1468.1-1508.1	1035.3	M
1	-65	8.144	8.143	0.001	74602040	1973.9	878.0- 918.0	606.9	M
			Average of Peak Amounts =			2172.1			
2	6	6.574	6.574	0.000	83016214	2662.5		100.0	M
2	7	6.843	6.841	0.002	137602019	2137.3	165.8- 225.8	165.8	M
2	8	7.192	7.191	0.001	202923161	2272.2	243.1- 303.1	244.4	M
2	9	7.443	7.442	0.001	242911290	2221.5	301.5- 361.5	292.6	M
2	10	8.276	8.274	0.002	87434709	1999.5	105.5- 165.5	105.3	M
			Average of Peak Amounts =			2258.6			
						RPD = 3.91			

QC Flag Legend

Review Flags
M - Manually Integrated

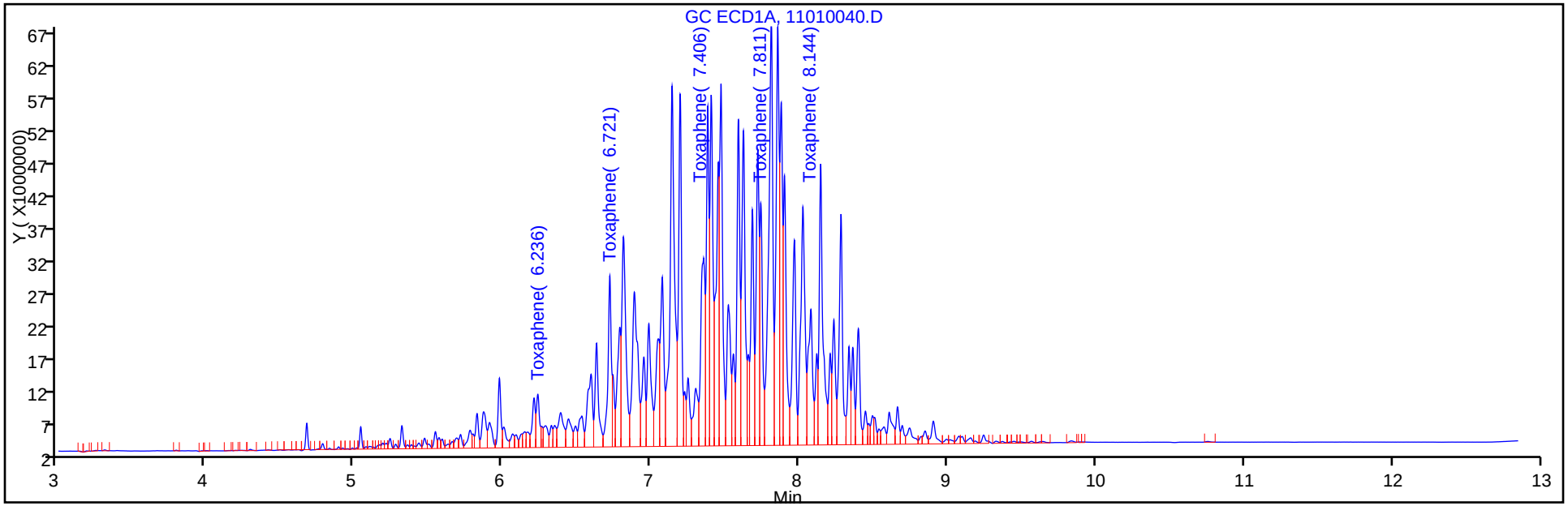
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TestAmerica Denver

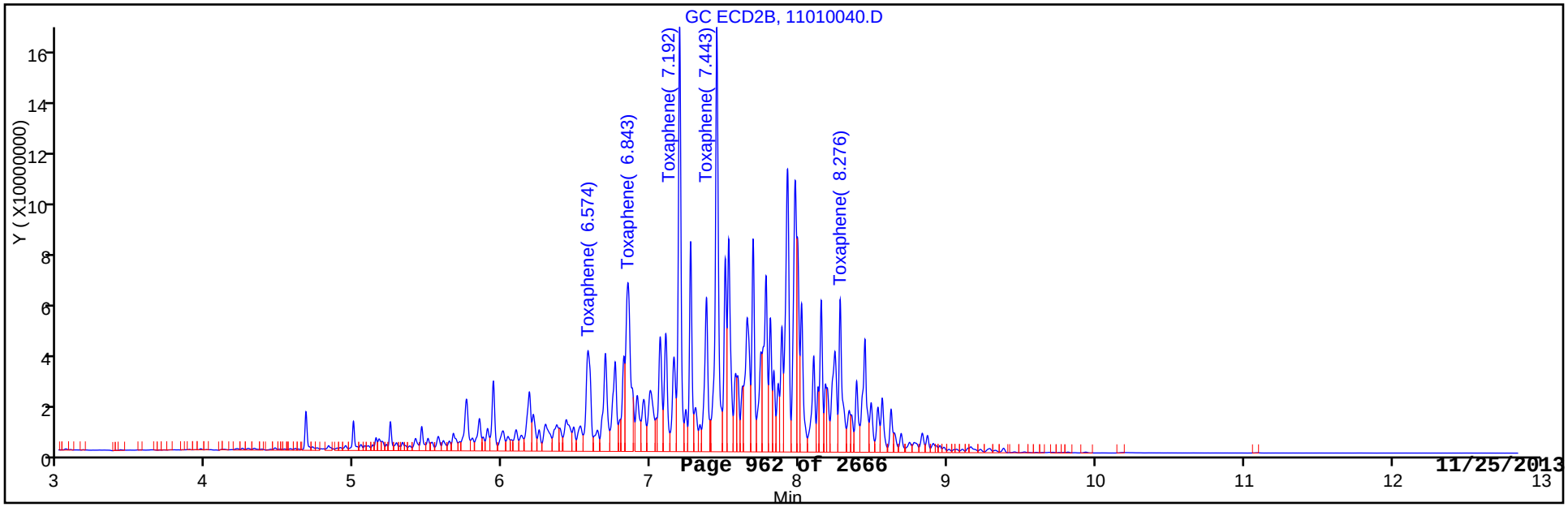
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010040.D

Injection Date:	01-Nov-2013 21:27:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	40
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



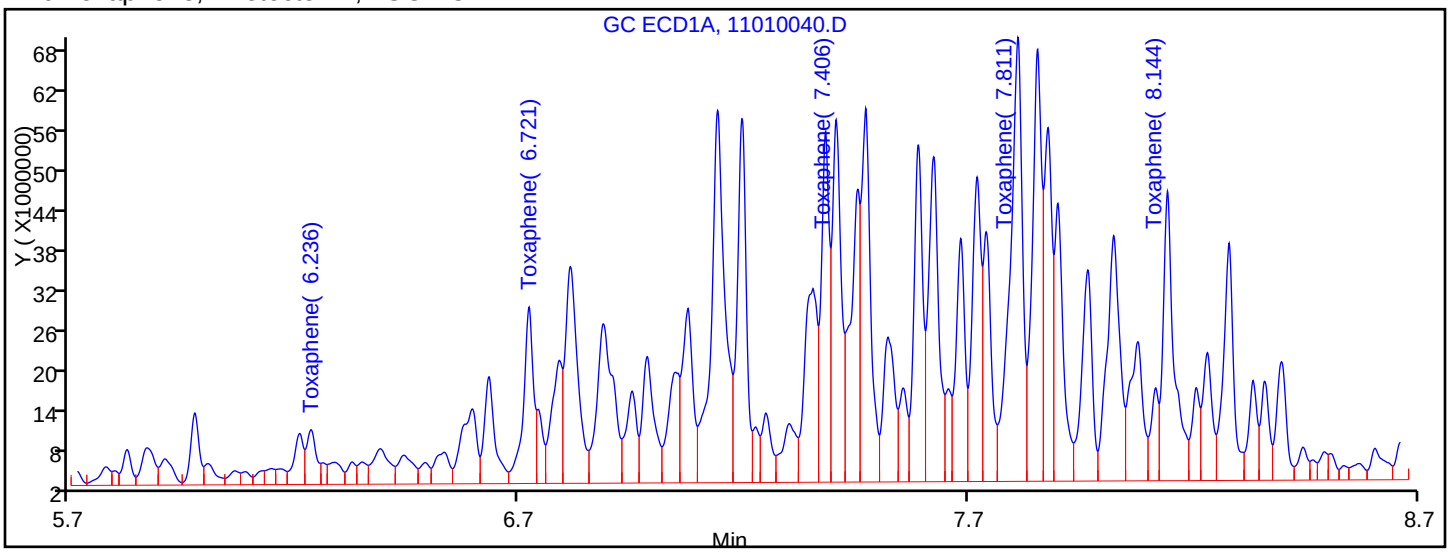
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TestAmerica Denver

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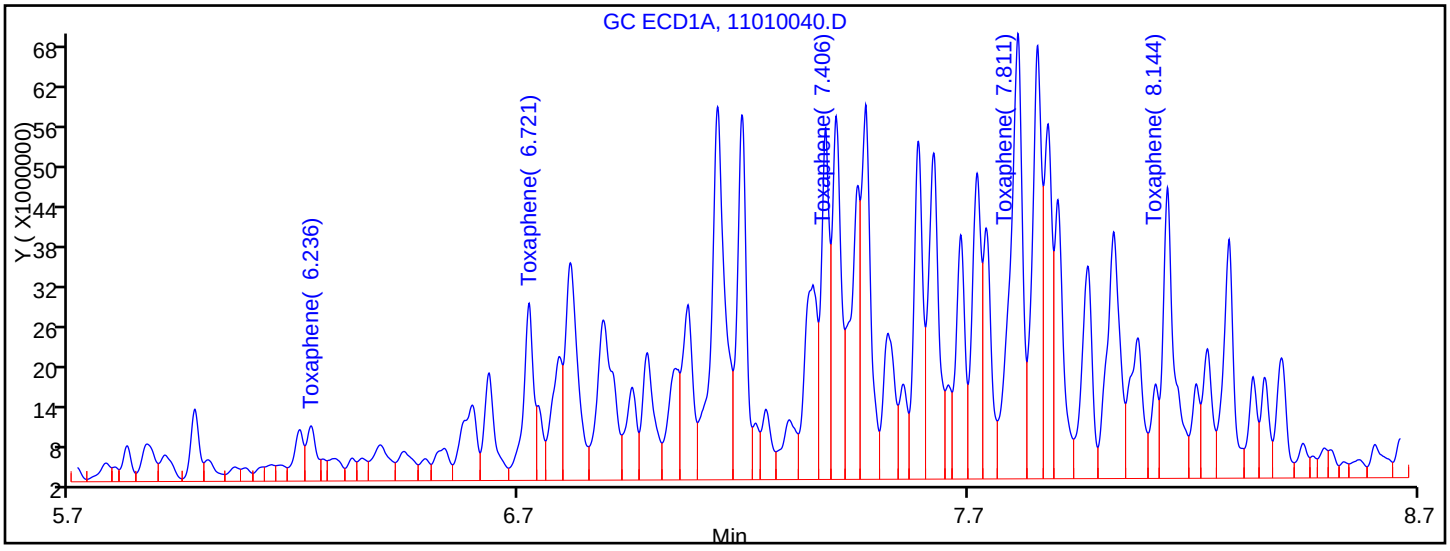
Injection Date:	01-Nov-2013 21:27:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	40
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 12153248	M
RT = 6.721	Response = 41098461	M
RT = 7.406	Response = 73399306	M
RT = 7.811	Response = 126520119	M
RT = 8.144	Response = 73743470	M



Manual Integration Results

RT = 6.236	Response = 12292128	M
RT = 6.721	Response = 41471528	M
RT = 7.406	Response = 73703496	M
RT = 7.811	Response = 127264795	M
RT = 8.144	Response = 74602040	M

Reviewer: wellsd, 04-Nov-2013 06:29:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		2037895		53.4	50.0	6.9	20.0
gamma-BHC (Lindane)	Lin2		1815950		52.9	50.0	5.8	20.0
beta-BHC	Lin2		745080		52.8	50.0	5.7	20.0
delta-BHC	Lin2		1851197		53.1	50.0	6.2	20.0
Heptachlor	Lin2		1531034		51.7	50.0	3.5	20.0
Aldrin	Lin2		1768866		54.6	50.0	9.1	20.0
Heptachlor epoxide	Lin2		1557723		55.4	50.0	10.8	20.0
gamma-Chlordane	Lin2		1637660		55.4	50.0	10.7	20.0
alpha-Chlordane	Lin2		1569844		54.4	50.0	8.8	20.0
4,4'-DDE	Lin2		1630206		53.4	50.0	6.7	20.0
Endosulfan I	Lin2		1500299		55.1	50.0	10.3	20.0
Dieldrin	Lin2		1626934		54.4	50.0	8.7	20.0
Endrin	Lin2		1454336		55.0	50.0	10.1	20.0
4,4'-DDD	Lin2		1310887		56.6	50.0	13.2	20.0
Endosulfan II	Lin2		1339383		54.1	50.0	8.2	20.0
4,4'-DDT	Lin2		1162915		51.1	50.0	2.3	20.0
Endrin aldehyde	Lin2		1079441		51.0	50.0	1.9	20.0
Methoxychlor	Lin2		572461		51.6	50.0	3.2	20.0
Endosulfan sulfate	Lin2		1203354		52.5	50.0	5.1	20.0
Endrin ketone	Lin2		1424849		53.2	50.0	6.4	20.0
Tetrachloro-m-xylene	Lin2		1351656		52.1	50.0	4.2	20.0
DCB Decachlorobiphenyl	Lin2		1219002		50.7	50.0	1.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.85	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010051.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 00:27:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 198855 Lims Sample ID: 51
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:45 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.845	3.843	0.002	67582803	52.1			
2	2	3.802	3.799	0.003	200139225	58.0			
						RPD = 10.64			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85733076	52.4			
2	2	4.282	4.280	0.002	209502066	58.9			
						RPD = 11.62			
10 alpha-BHC									
1	-65	4.421	4.420	0.001	101894766	53.4			
2	2	4.427	4.426	0.001	271363307	57.5			
						RPD = 7.33			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	90797492	52.9			
2	2	4.741	4.741	0.000	223697121	55.5			
						RPD = 4.79			
12 beta-BHC									
1	100	4.790	4.790	0.000	37253978	52.8			
2	2	4.816	4.816	0.000	93058391	56.4			
						RPD = 6.59			
13 delta-BHC									
1	100	4.939	4.939	0.000	92559858	53.1			
2	2	5.050	5.050	0.000	210755181	56.0			
						RPD = 5.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	76551692	51.7			
2	2	5.091	5.091	0.000	173621848	52.7			
						RPD = 1.78			
16 Aldrin									
1	-65	5.377	5.377	0.000	88443305	54.6			
2	2	5.361	5.361	0.000	183754829	57.2			
						RPD = 4.74			
18 Isodrin									
1	100	5.690	5.689	0.001	73905617	54.6			
2	2	5.726	5.726	0.000	148337596	56.8			
						RPD = 3.85			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	77886163	55.4			
2	2	5.906	5.906	0.000	153059404	56.7			
						RPD = 2.28			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	81883017	55.4			
2	2	6.103	6.103	0.000	157421637	56.3			
						RPD = 1.68			
24 alpha-Chlordane									
1	-65	6.237	6.236	0.001	78492181	54.4			
2	2	6.258	6.257	0.001	146621419	55.7			
						RPD = 2.42			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81510298	53.4			
2	2	6.437	6.436	0.001	147490095	55.7			
						RPD = 4.25			
26 Endosulfan I									
1	100	6.380	6.380	0.000	75014949	55.1			
2	2	6.316	6.315	0.001	136240497	55.9			
						RPD = 1.43			
28 Dieldrin									
1	100	6.625	6.625	0.000	81346710	54.4			
2	2	6.596	6.596	0.000	146276833	55.6			
						RPD = 2.16			
30 Endrin									
1	-65	6.860	6.860	0.000	72716785	55.0			
2	2	6.902	6.902	0.000	126807297	56.1			
						RPD = 1.88			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65544358	56.6			
2	2	7.017	7.018	-0.001	113043162	55.2			
						RPD = 2.55			
34 Endosulfan II									
1	100	7.081	7.080	0.001	66969161	54.1			
2	2	7.112	7.111	0.001	113562414	54.6			
						RPD = 0.97			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	58145756	51.1			
2	2	7.321	7.321	0.000	92970566	48.9			
						RPD = 4.43			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	53972027	51.0			
2	2	7.439	7.439	0.000	87093684	51.7			
						RPD = 1.47			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28623073	51.6			
2	2	7.967	7.969	-0.002	41612912	48.8			
						RPD = 5.52			
38 Mirex									
1	100	7.808	7.808	0.000	47418517	51.5			
2	2	8.148	8.149	-0.001	65967307	49.7			
						RPD = 3.53			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	60167676	52.5			
2	2	7.697	7.697	0.000	93168172	52.2			
						RPD = 0.66			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	71242442	53.2			
2	2	8.188	8.189	-0.001	100880886	50.9			
						RPD = 4.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	60950086	50.7			
2	2	9.332	9.333	-0.001	67437597	50.2			
						RPD = 0.82			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

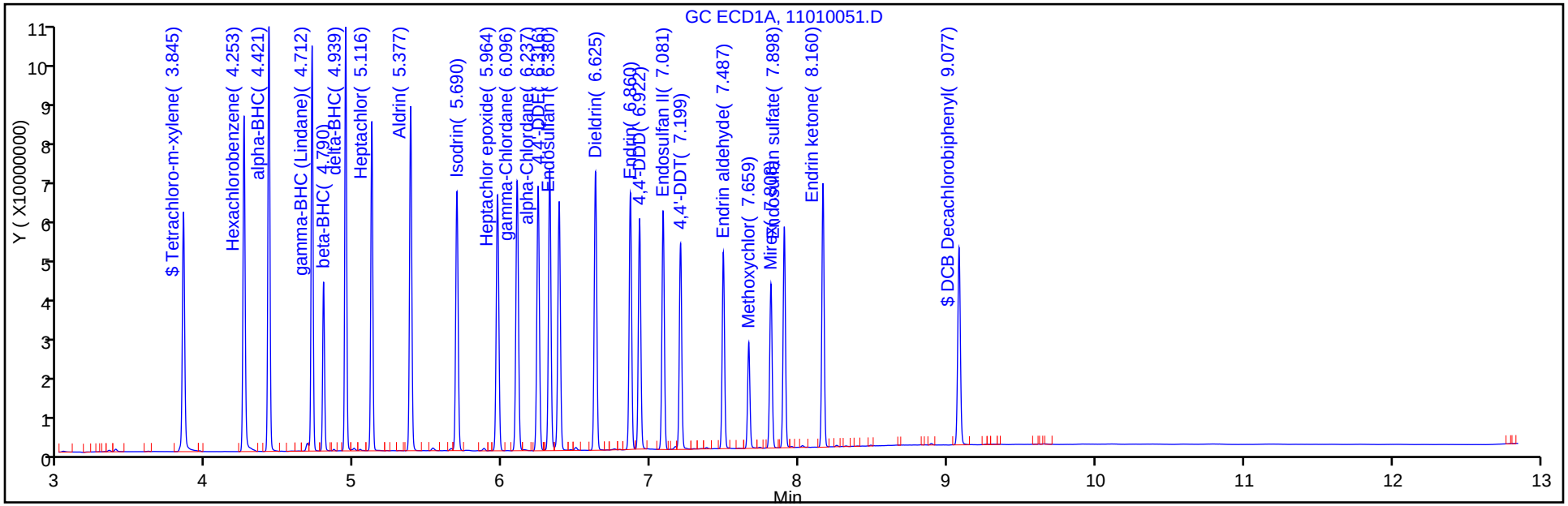
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TestAmerica Denver

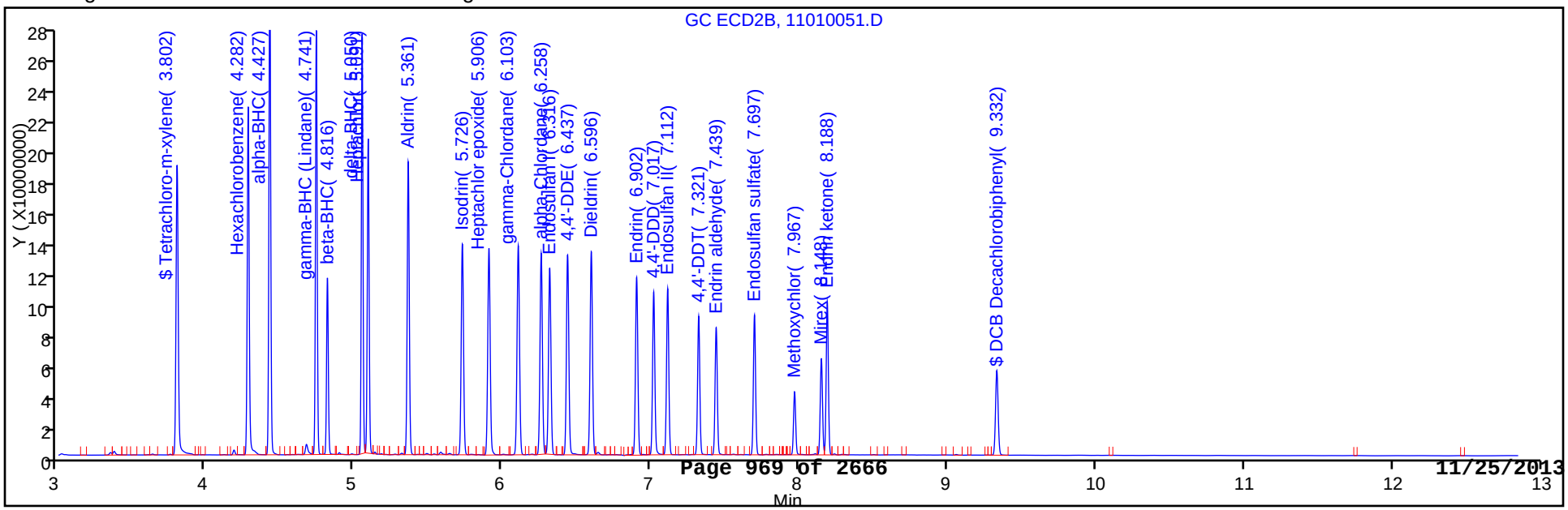
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Injection Date:	02-Nov-2013 00:27:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	51
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5427266		57.5	50.0	15.0	20.0
gamma-BHC (Lindane)	Lin2		4473942		55.5	50.0	11.0	20.0
beta-BHC	Lin2		1861168		56.4	50.0	12.9	20.0
delta-BHC	Lin2		4215104		56.0	50.0	11.9	20.0
Heptachlor	Lin2		3472437		52.7	50.0	5.3	20.0
Aldrin	Lin2		3675097		57.2	50.0	14.4	20.0
Heptachlor epoxide	Lin2		3061188		56.7	50.0	13.4	20.0
gamma-Chlordane	Lin2		3148433		56.3	50.0	12.6	20.0
alpha-Chlordane	Lin2		2932428		55.7	50.0	11.4	20.0
Endosulfan I	Lin2		2724810		55.9	50.0	11.8	20.0
4,4'-DDE	Lin2		2949802		55.7	50.0	11.4	20.0
Dieldrin	Lin2		2925537		55.6	50.0	11.1	20.0
Endrin	Lin2		2536146		56.1	50.0	12.1	20.0
4,4'-DDD	Lin2		2260863		55.2	50.0	10.4	20.0
Endosulfan II	Lin2		2271248		54.6	50.0	9.2	20.0
4,4'-DDT	Lin2		1859411		48.9	50.0	-2.2	20.0
Endrin aldehyde	Lin2		1741874		51.7	50.0	3.4	20.0
Endosulfan sulfate	Lin2		1863363		52.2	50.0	4.4	20.0
Methoxychlor	Lin2		832258		48.8	50.0	-2.3	20.0
Endrin ketone	Lin2		2017618		50.9	50.0	1.8	20.0
Tetrachloro-m-xylene	Lin2		4002785		58.0	50.0	16.0	20.0
DCB Decachlorobiphenyl	Lin2		1348752		50.2	50.0	0.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010051.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 00:27:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 198855 Lims Sample ID: 51
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:45 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.845	3.843	0.002	67582803	52.1			
2	2	3.802	3.799	0.003	200139225	58.0			
						RPD = 10.64			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85733076	52.4			
2	2	4.282	4.280	0.002	209502066	58.9			
						RPD = 11.62			
10 alpha-BHC									
1	-65	4.421	4.420	0.001	101894766	53.4			
2	2	4.427	4.426	0.001	271363307	57.5			
						RPD = 7.33			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	90797492	52.9			
2	2	4.741	4.741	0.000	223697121	55.5			
						RPD = 4.79			
12 beta-BHC									
1	100	4.790	4.790	0.000	37253978	52.8			
2	2	4.816	4.816	0.000	93058391	56.4			
						RPD = 6.59			
13 delta-BHC									
1	100	4.939	4.939	0.000	92559858	53.1			
2	2	5.050	5.050	0.000	210755181	56.0			
						RPD = 5.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	76551692	51.7			
2	2	5.091	5.091	0.000	173621848	52.7			
						RPD = 1.78			
16 Aldrin									
1	-65	5.377	5.377	0.000	88443305	54.6			
2	2	5.361	5.361	0.000	183754829	57.2			
						RPD = 4.74			
18 Isodrin									
1	100	5.690	5.689	0.001	73905617	54.6			
2	2	5.726	5.726	0.000	148337596	56.8			
						RPD = 3.85			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	77886163	55.4			
2	2	5.906	5.906	0.000	153059404	56.7			
						RPD = 2.28			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	81883017	55.4			
2	2	6.103	6.103	0.000	157421637	56.3			
						RPD = 1.68			
24 alpha-Chlordane									
1	-65	6.237	6.236	0.001	78492181	54.4			
2	2	6.258	6.257	0.001	146621419	55.7			
						RPD = 2.42			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81510298	53.4			
2	2	6.437	6.436	0.001	147490095	55.7			
						RPD = 4.25			
26 Endosulfan I									
1	100	6.380	6.380	0.000	75014949	55.1			
2	2	6.316	6.315	0.001	136240497	55.9			
						RPD = 1.43			
28 Dieldrin									
1	100	6.625	6.625	0.000	81346710	54.4			
2	2	6.596	6.596	0.000	146276833	55.6			
						RPD = 2.16			
30 Endrin									
1	-65	6.860	6.860	0.000	72716785	55.0			
2	2	6.902	6.902	0.000	126807297	56.1			
						RPD = 1.88			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65544358	56.6			
2	2	7.017	7.018	-0.001	113043162	55.2			
						RPD = 2.55			
34 Endosulfan II									
1	100	7.081	7.080	0.001	66969161	54.1			
2	2	7.112	7.111	0.001	113562414	54.6			
						RPD = 0.97			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	58145756	51.1			
2	2	7.321	7.321	0.000	92970566	48.9			
						RPD = 4.43			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	53972027	51.0			
2	2	7.439	7.439	0.000	87093684	51.7			
						RPD = 1.47			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28623073	51.6			
2	2	7.967	7.969	-0.002	41612912	48.8			
						RPD = 5.52			
38 Mirex									
1	100	7.808	7.808	0.000	47418517	51.5			
2	2	8.148	8.149	-0.001	65967307	49.7			
						RPD = 3.53			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	60167676	52.5			
2	2	7.697	7.697	0.000	93168172	52.2			
						RPD = 0.66			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	71242442	53.2			
2	2	8.188	8.189	-0.001	100880886	50.9			
						RPD = 4.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	60950086	50.7			
2	2	9.332	9.333	-0.001	67437597	50.2			
						RPD = 0.82			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

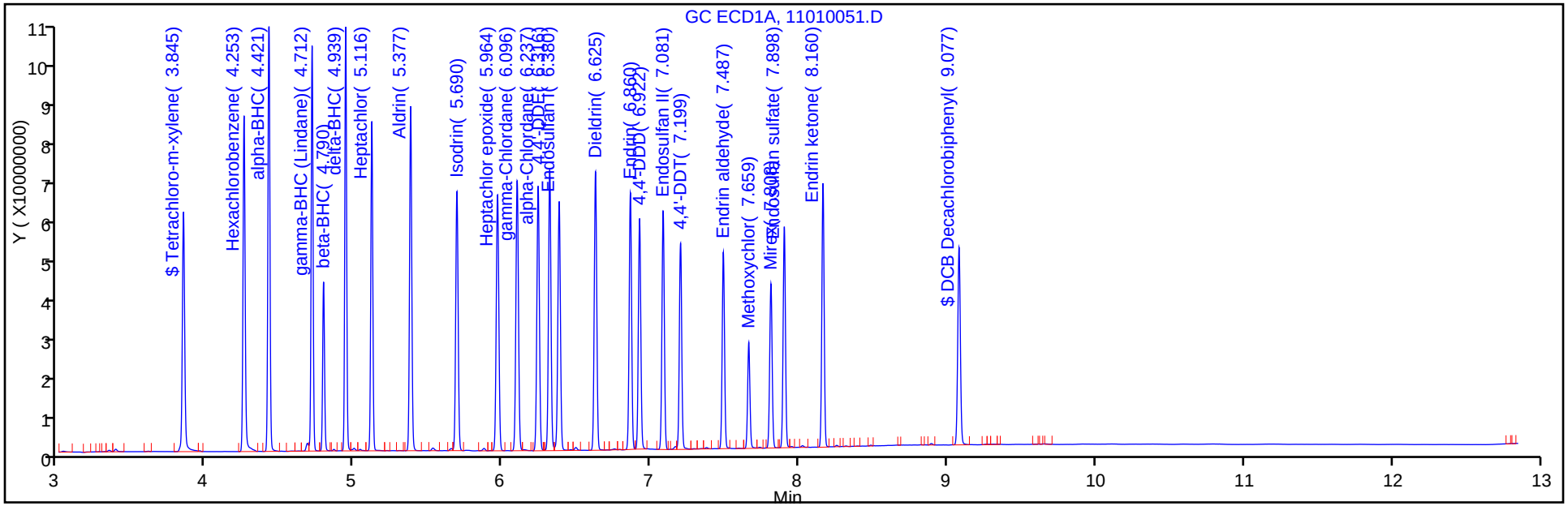
Report Date: 04-Nov-2013 06:46:45 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

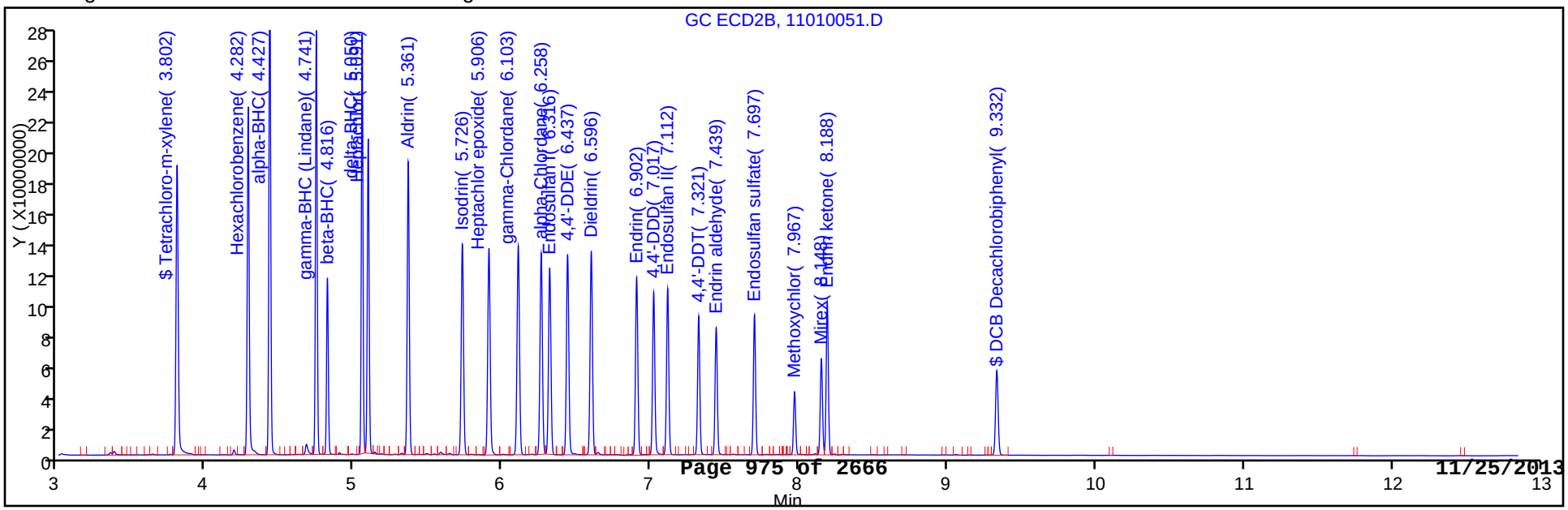
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Injection Date:	02-Nov-2013 00:27:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	51
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/53 Calibration Date: 11/02/2013 01:00

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010053.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		7325		3450	2000	72.6*	20.0
Toxaphene Peak 2	Lin2		28141		2510	2000	25.4*	20.0
Toxaphene Peak 3	Lin2		38013		2250	2000	12.3	20.0
Toxaphene Peak 4	Lin2		62979		1950	2000	-2.4	20.0
Toxaphene Peak 5	Lin2		35213		1860	2000	-6.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/53 Calibration Date: 11/02/2013 01:00

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010053.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.23	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010053.D		
Lims ID:	CCV TOX	Client ID:	
Inject. Date:	02-Nov-2013 01:00:40	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	47
Lims Batch ID:	198855	Lims Sample ID:	53
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:46	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:32:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.234	6.235	-0.001	14649725	3451.3		100.0	M
1	-65	6.721	6.721	0.000	56282322	2507.7	513.2- 553.2	384.2	M
1	-65	7.406	7.406	0.000	76025880	2245.3	792.2- 832.2	519.0	M
1	-65	7.810	7.811	-0.001	125958887	1951.6	1468.1-1508.1	859.8	M
1	-65	8.144	8.143	0.001	70426684	1864.5	878.0- 918.0	480.7	M
			Average of Peak Amounts =			2404.1			
2	6	6.575	6.574	0.001	92477058	2977.8		100.0	M
2	7	6.843	6.841	0.002	122460431	1896.1	165.8- 225.8	132.4	M
2	8	7.193	7.191	0.002	205267641	2299.0	243.1- 303.1	222.0	M
2	9	7.444	7.442	0.002	246324917	2253.3	301.5- 361.5	266.4	M
2	10	8.277	8.274	0.003	82768478	1891.7	105.5- 165.5	89.5	M
			Average of Peak Amounts =			2263.6			
						RPD = 6.02			

QC Flag Legend

Review Flags
M - Manually Integrated

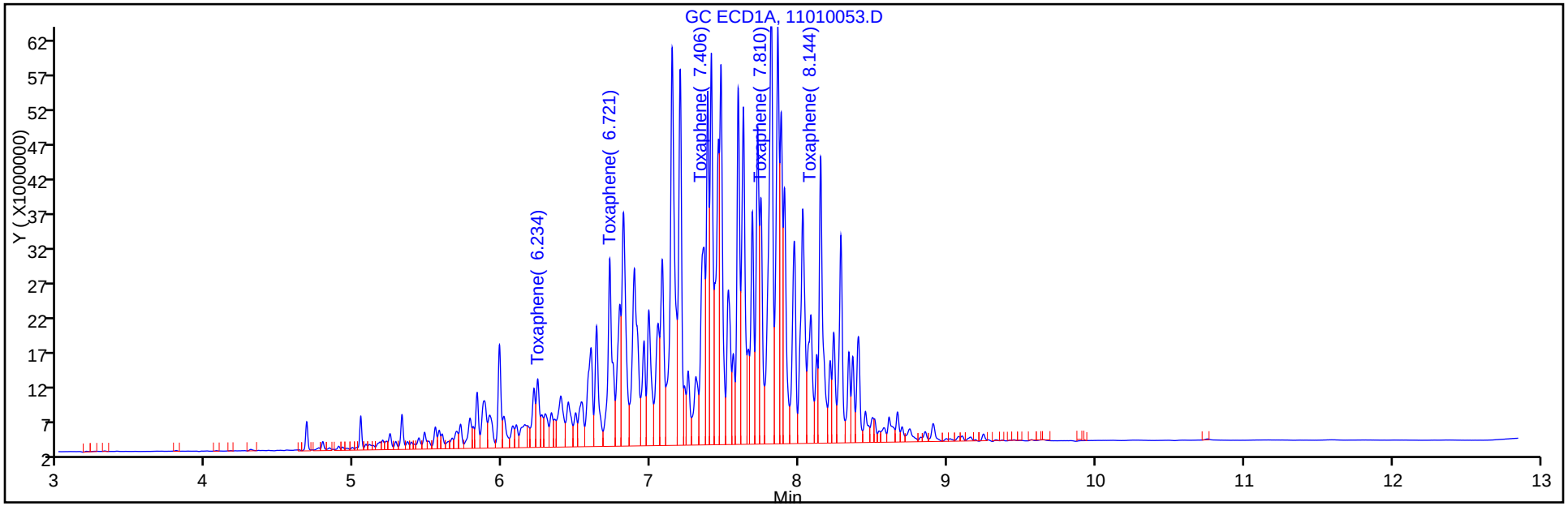
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TestAmerica Denver

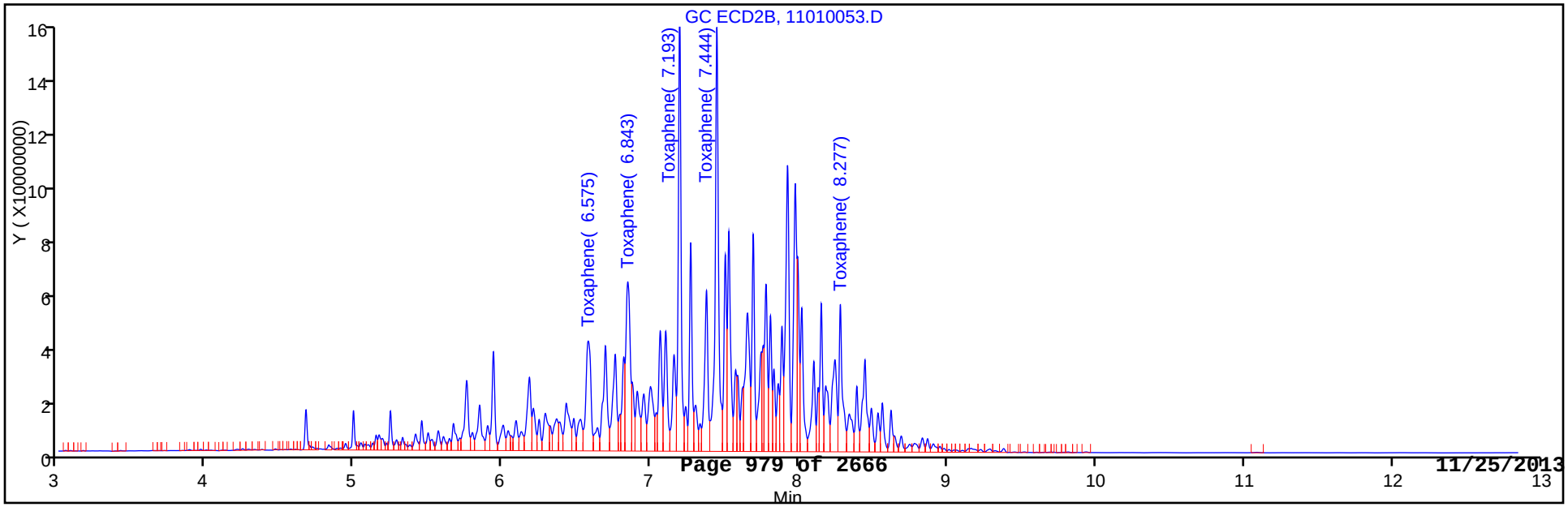
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Injection Date:	02-Nov-2013 01:00:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	53
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



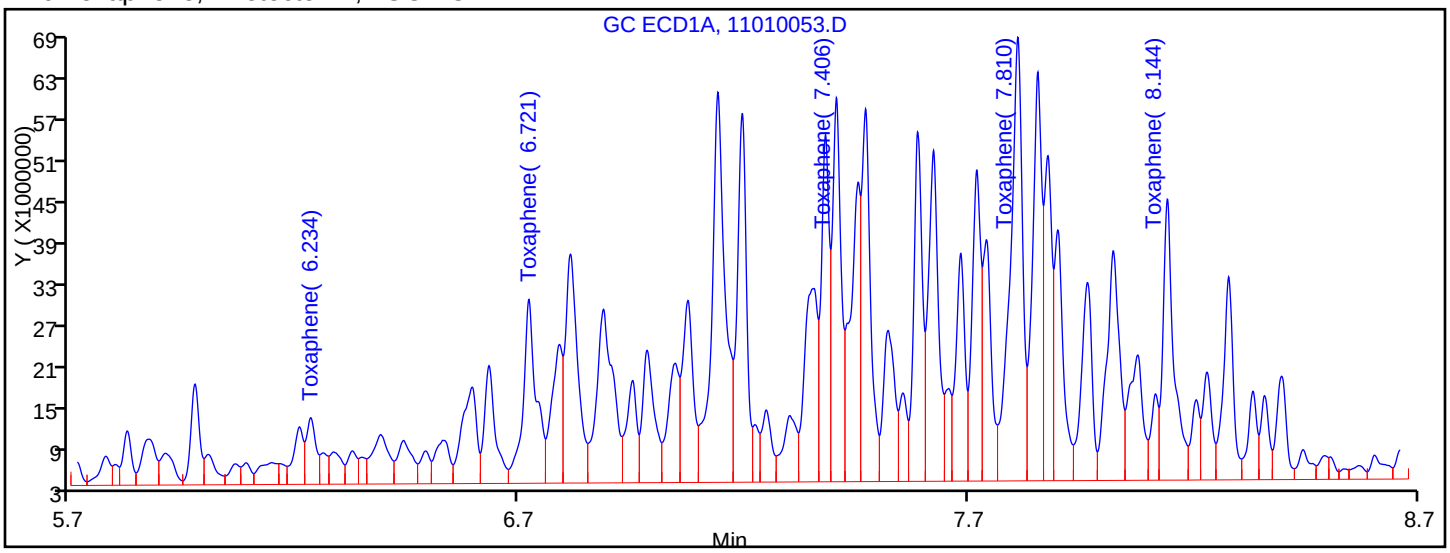
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TestAmerica Denver

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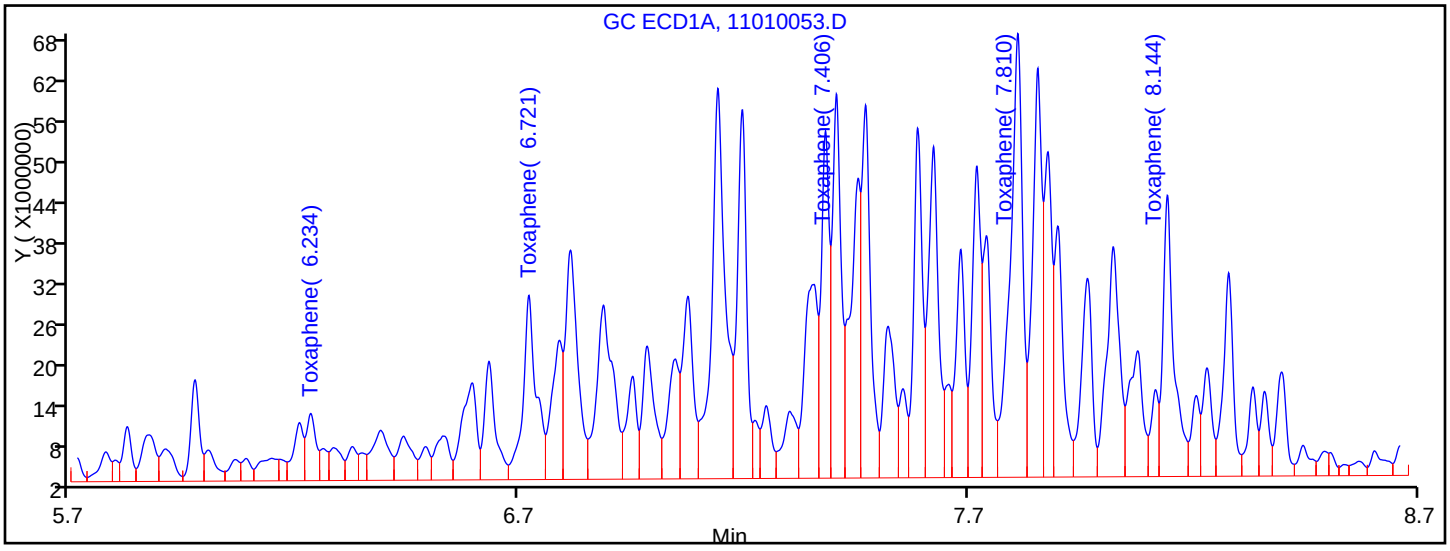
Injection Date:	02-Nov-2013 01:00:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	53
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.234	Response = 14437907	M
RT = 6.721	Response = 55793388	M
RT = 7.406	Response = 75820782	M
RT = 7.810	Response = 125543258	M
RT = 8.144	Response = 70013838	M



Manual Integration Results

RT = 6.234	Response = 14649725	M
RT = 6.721	Response = 56282322	M
RT = 7.406	Response = 76025880	M
RT = 7.810	Response = 125958887	M
RT = 8.144	Response = 70426684	M

Reviewer: wellsd, 04-Nov-2013 06:32:07

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/63 Calibration Date: 11/02/2013 03:44

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010063.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		10084		4760	2000	138.1*	20.0
Toxaphene Peak 2	Lin2		23711		2110	2000	5.6	20.0
Toxaphene Peak 3	Lin2		38561		2280	2000	13.9	20.0
Toxaphene Peak 4	Lin2		55097		1710	2000	-14.6	20.0
Toxaphene Peak 5	Lin2		29582		1570	2000	-21.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/63 Calibration Date: 11/02/2013 03:44

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010063.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.23	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010063.D
Lims ID: CCV TOX Client ID:
Inject. Date: 02-Nov-2013 03:44:45 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 198855 Lims Sample ID: 63
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:54 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:45:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.233	6.235	-0.002	20167902	4762.4		100.0	M
1	-65	6.721	6.721	0.000	47422677	2112.4	513.2- 553.2	235.1	M
1	-65	7.406	7.406	0.000	77121947	2277.7	792.2- 832.2	382.4	M
1	-65	7.812	7.811	0.001	110193027	1708.3	1468.1-1508.1	546.4	M
1	-65	8.144	8.143	0.001	59164423	1569.5	878.0- 918.0	293.4	M
			Average of Peak Amounts =			2486.1			
2	6	6.583	6.574	0.009	111344327	3606.6		100.0	M
2	7	6.844	6.841	0.003	117815371	1822.1	165.8- 225.8	105.8	M
2	8	7.193	7.191	0.002	203906922	2283.4	243.1- 303.1	183.1	M
2	9	7.443	7.442	0.001	234811065	2146.0	301.5- 361.5	210.9	M
2	10	8.275	8.274	0.001	69979365	1596.1	105.5- 165.5	62.8	M
			Average of Peak Amounts =			2290.8			
						RPD = 8.17			

QC Flag Legend

Review Flags
M - Manually Integrated

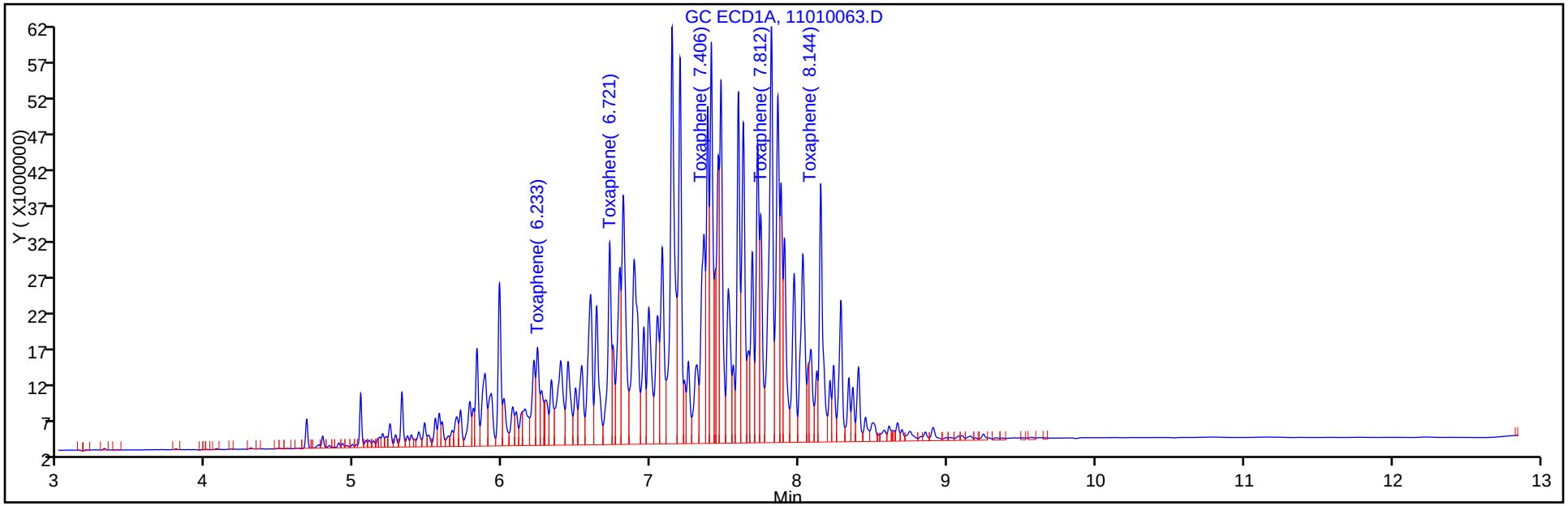
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TestAmerica Denver

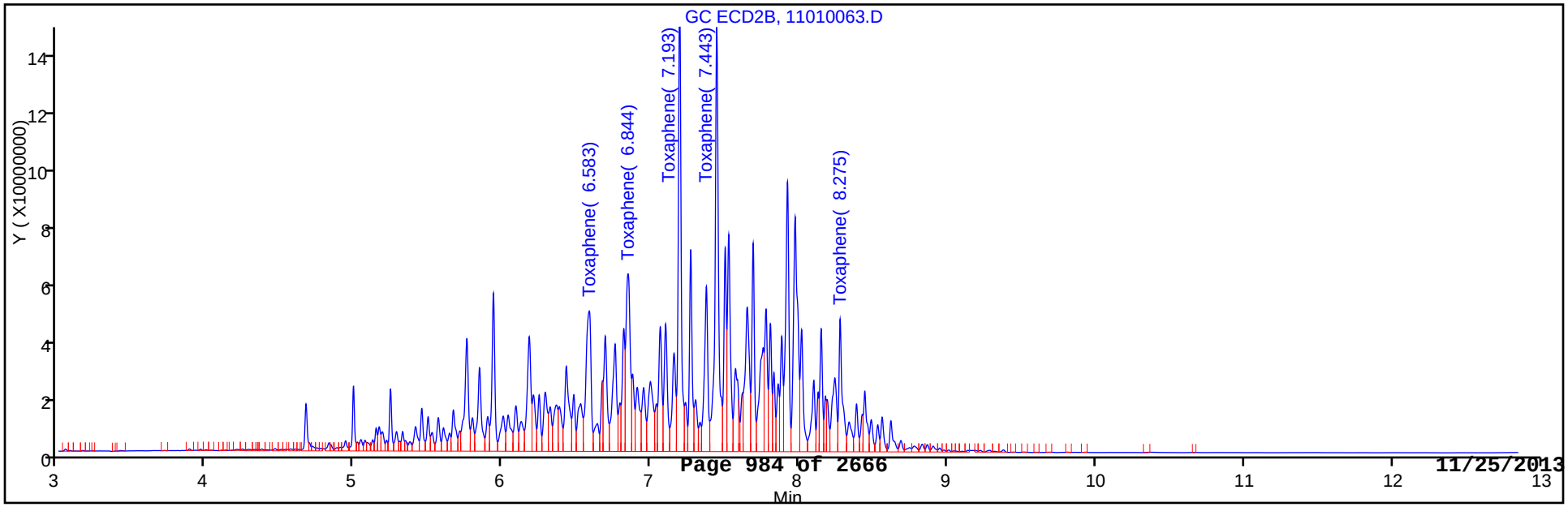
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Injection Date:	02-Nov-2013 03:44:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	63
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



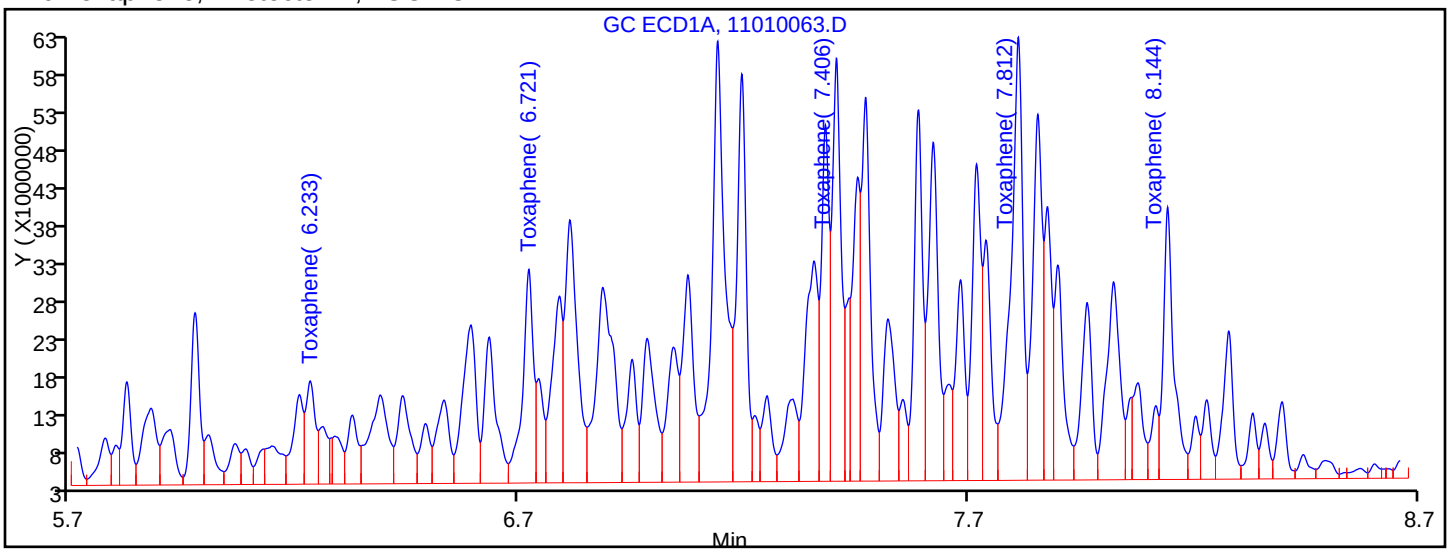
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010063.D

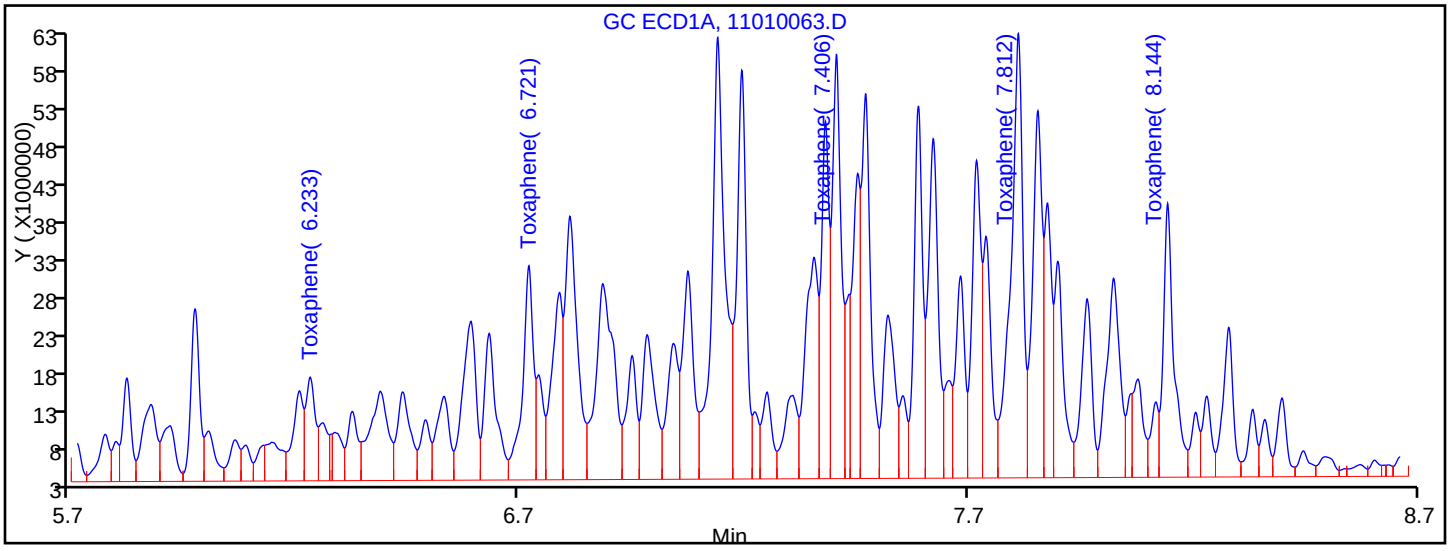
Injection Date:	02-Nov-2013 03:44:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	63
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.233	Response = 20044339	M
RT = 6.721	Response = 47078655	M
RT = 7.406	Response = 76823631	M
RT = 7.812	Response = 109494886	M
RT = 8.144	Response = 58384773	M



Manual Integration Results

RT = 6.233	Response = 20167902	M
RT = 6.721	Response = 47422677	M
RT = 7.406	Response = 77121947	M
RT = 7.812	Response = 110193027	M
RT = 8.144	Response = 59164423	M

Reviewer: wellsd, 04-Nov-2013 06:45:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		2018177		52.9	50.0	5.9	20.0
gamma-BHC (Lindane)	Lin2		1771509		51.6	50.0	3.2	20.0
beta-BHC	Lin2		729396		51.7	50.0	3.4	20.0
delta-BHC	Lin2		1815481		52.1	50.0	4.2	20.0
Heptachlor	Lin2		1464964		49.5	50.0	-1.0	20.0
Aldrin	Lin2		1785783		55.1	50.0	10.1	20.0
Heptachlor epoxide	Lin2		1535619		54.6	50.0	9.2	20.0
gamma-Chlordane	Lin2		1618942		54.7	50.0	9.4	20.0
alpha-Chlordane	Lin2		1565754		54.2	50.0	8.5	20.0
4,4'-DDE	Lin2		1614298		52.8	50.0	5.7	20.0
Endosulfan I	Lin2		1493939		54.9	50.0	9.8	20.0
Dieldrin	Lin2		1644066		54.9	50.0	9.9	20.0
Endrin	Lin2		1470526		55.6	50.0	11.3	20.0
4,4'-DDD	Lin2		1376641		59.4	50.0	18.9	20.0
Endosulfan II	Lin2		1367472		55.2	50.0	10.4	20.0
4,4'-DDT	Lin2		1139193		50.1	50.0	0.2	20.0
Endrin aldehyde	Lin2		1086240		51.3	50.0	2.6	20.0
Methoxychlor	Lin2		591666		53.4	50.0	6.7	20.0
Endosulfan sulfate	Lin2		1229716		53.7	50.0	7.4	20.0
Endrin ketone	Lin2		1466464		54.8	50.0	9.5	20.0
Tetrachloro-m-xylene	Lin2		1358062		52.4	50.0	4.7	20.0
DCB Decachlorobiphenyl	Lin2		1270469		52.8	50.0	5.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010064.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 04:01:09 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 57
Lims Batch ID: 198855 Lims Sample ID: 64
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:55 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	67903121	52.4			
2	2	3.800	3.799	0.001	198144803	57.4			
						RPD = 9.16			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85651684	52.4			
2	2	4.281	4.280	0.001	206566256	58.1			
						RPD = 10.28			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	100908860	52.9			
2	2	4.426	4.426	0.000	264738765	56.1			
						RPD = 5.81			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	88575474	51.6			
2	2	4.741	4.741	0.000	215004081	53.3			
						RPD = 3.26			
12 beta-BHC									
1	100	4.790	4.790	0.000	36469800	51.7			
2	2	4.816	4.816	0.000	89892175	54.5			
						RPD = 5.21			
13 delta-BHC									
1	100	4.940	4.939	0.001	90774064	52.1			
2	2	5.050	5.050	0.000	206910655	54.9			
						RPD = 5.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	73248205	49.5			
2	2	5.091	5.091	0.000	167018100	50.6			
						RPD = 2.26			
16 Aldrin									
1	-65	5.378	5.377	0.001	89289160	55.1			
2	2	5.361	5.361	0.000	183113305	57.0			
						RPD = 3.44			
18 Isodrin									
1	100	5.690	5.689	0.001	74432570	55.0			
2	2	5.726	5.726	0.000	148120290	56.7			
						RPD = 2.99			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76780940	54.6			
2	2	5.906	5.906	0.000	150798850	55.8			
						RPD = 2.21			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	80947096	54.7			
2	2	6.104	6.103	0.001	155283467	55.5			
						RPD = 1.45			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	78287695	54.2			
2	2	6.258	6.257	0.001	146056647	55.5			
						RPD = 2.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	80714877	52.8			
2	2	6.436	6.436	0.000	146900140	55.5			
						RPD = 4.83			
26 Endosulfan I									
1	100	6.380	6.380	0.000	74696966	54.9			
2	2	6.316	6.315	0.001	135818112	55.7			
						RPD = 1.55			
28 Dieldrin									
1	100	6.625	6.625	0.000	82203312	54.9			
2	2	6.596	6.596	0.000	146424360	55.6			
						RPD = 1.21			
30 Endrin									
1	-65	6.860	6.860	0.000	73526297	55.6			
2	2	6.902	6.902	0.000	126098694	55.8			
						RPD = 0.21			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	68832031	59.4			
2	2	7.017	7.018	-0.001	115922785	56.6			
						RPD = 4.91			
34 Endosulfan II									
1	100	7.080	7.080	0.000	68373595	55.2			
2	2	7.111	7.111	0.000	115147319	55.4			
						RPD = 0.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	56959671	50.1			
2	2	7.321	7.321	0.000	89218103	46.9			
						RPD = 6.52			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	54312005	51.3			
2	2	7.438	7.439	-0.001	87804132	52.1			
						RPD = 1.66			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	29583301	53.4			
2	2	7.968	7.969	-0.001	41493601	48.7			
						RPD = 9.15			
38 Mirex									
1	100	7.808	7.808	0.000	49935317	54.2			
2	2	8.148	8.149	-0.001	69308644	52.2			
						RPD = 3.73			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61485775	53.7			
2	2	7.697	7.697	0.000	95492286	53.5			
						RPD = 0.34			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	73323186	54.8			
2	2	8.189	8.189	0.000	102953276	51.9			
						RPD = 5.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	63523436	52.8			
2	2	9.332	9.333	-0.001	70299475	52.4			
						RPD = 0.79			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

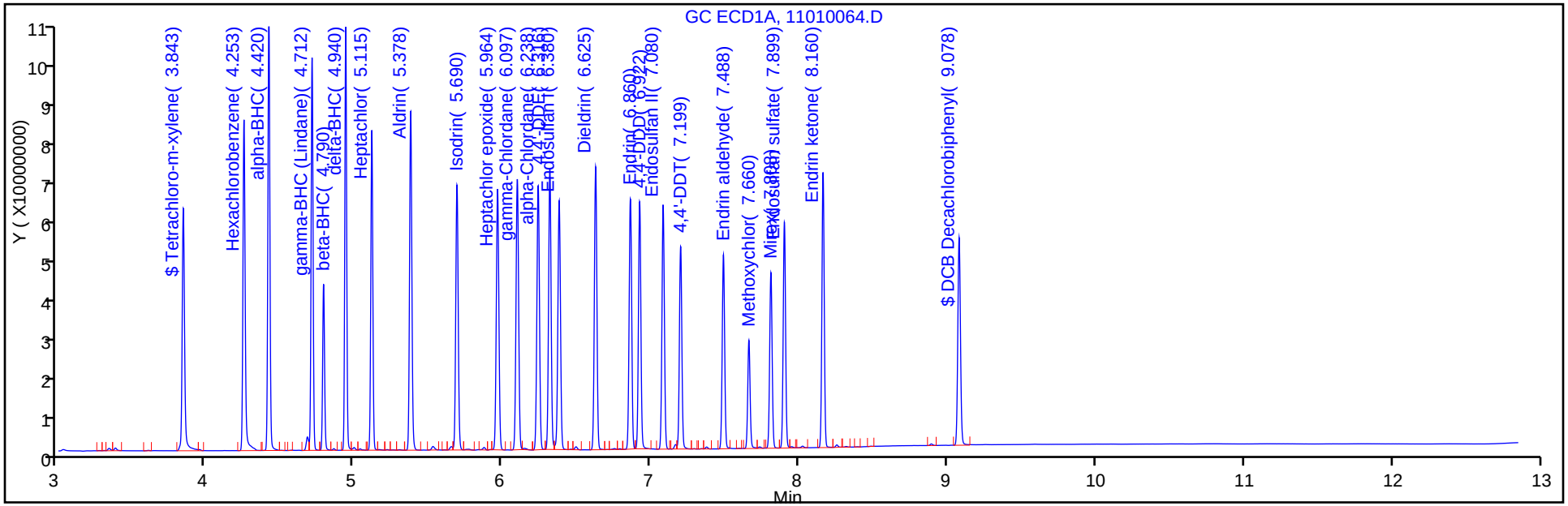
Report Date: 04-Nov-2013 06:46:56 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

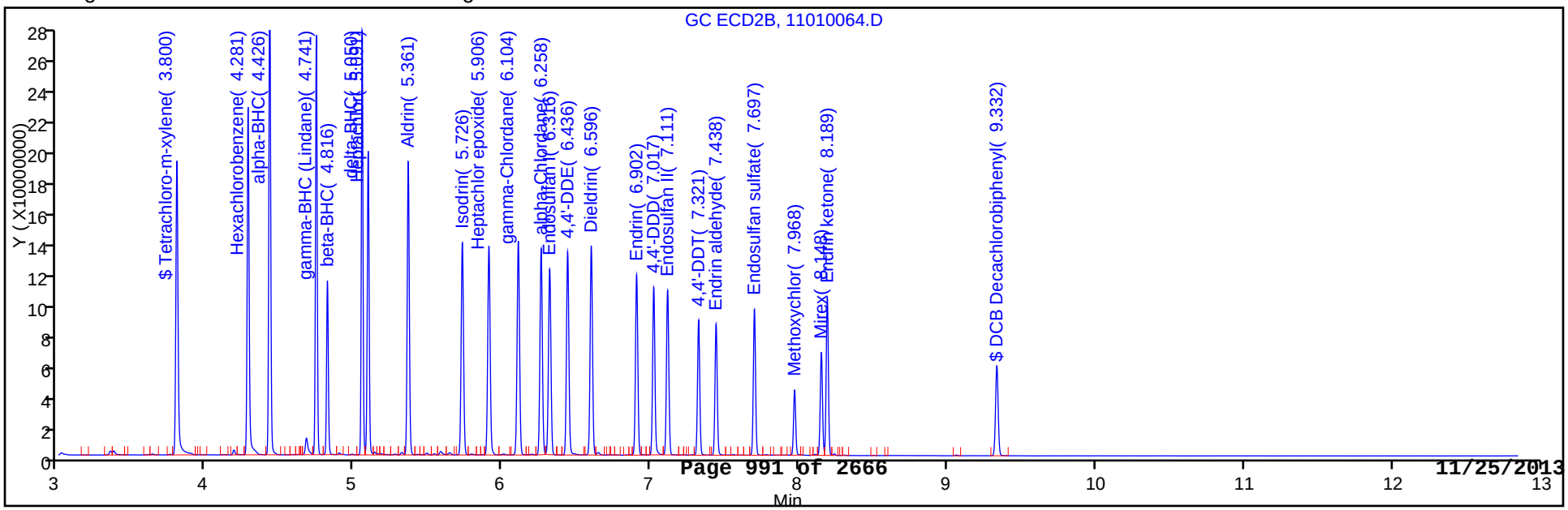
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Injection Date:	02-Nov-2013 04:01:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	64
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5294775		56.1	50.0	12.2	20.0
gamma-BHC (Lindane)	Lin2		4300082		53.3	50.0	6.7	20.0
beta-BHC	Lin2		1797844		54.5	50.0	9.0	20.0
delta-BHC	Lin2		4138213		54.9	50.0	9.9	20.0
Heptachlor	Lin2		3340362		50.6	50.0	1.2	20.0
Aldrin	Lin2		3662266		57.0	50.0	14.0	20.0
Heptachlor epoxide	Lin2		3015977		55.8	50.0	11.7	20.0
gamma-Chlordane	Lin2		3105669		55.5	50.0	11.0	20.0
alpha-Chlordane	Lin2		2921133		55.5	50.0	11.0	20.0
Endosulfan I	Lin2		2716362		55.7	50.0	11.5	20.0
4,4'-DDE	Lin2		2938003		55.5	50.0	10.9	20.0
Dieldrin	Lin2		2928487		55.6	50.0	11.2	20.0
Endrin	Lin2		2521974		55.8	50.0	11.5	20.0
4,4'-DDD	Lin2		2318456		56.6	50.0	13.2	20.0
Endosulfan II	Lin2		2302946		55.4	50.0	10.8	20.0
4,4'-DDT	Lin2		1784362		46.9	50.0	-6.1	20.0
Endrin aldehyde	Lin2		1756083		52.1	50.0	4.3	20.0
Endosulfan sulfate	Lin2		1909846		53.5	50.0	7.0	20.0
Methoxychlor	Lin2		829872		48.7	50.0	-2.6	20.0
Endrin ketone	Lin2		2059066		51.9	50.0	3.9	20.0
Tetrachloro-m-xylene	Lin2		3962896		57.4	50.0	14.8	20.0
DCB Decachlorobiphenyl	Lin2		1405990		52.4	50.0	4.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010064.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 04:01:09 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 57
Lims Batch ID: 198855 Lims Sample ID: 64
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:55 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	67903121	52.4			
2	2	3.800	3.799	0.001	198144803	57.4			
						RPD = 9.16			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85651684	52.4			
2	2	4.281	4.280	0.001	206566256	58.1			
						RPD = 10.28			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	100908860	52.9			
2	2	4.426	4.426	0.000	264738765	56.1			
						RPD = 5.81			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	88575474	51.6			
2	2	4.741	4.741	0.000	215004081	53.3			
						RPD = 3.26			
12 beta-BHC									
1	100	4.790	4.790	0.000	36469800	51.7			
2	2	4.816	4.816	0.000	89892175	54.5			
						RPD = 5.21			
13 delta-BHC									
1	100	4.940	4.939	0.001	90774064	52.1			
2	2	5.050	5.050	0.000	206910655	54.9			
						RPD = 5.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	73248205	49.5			
2	2	5.091	5.091	0.000	167018100	50.6			
						RPD = 2.26			
16 Aldrin									
1	-65	5.378	5.377	0.001	89289160	55.1			
2	2	5.361	5.361	0.000	183113305	57.0			
						RPD = 3.44			
18 Isodrin									
1	100	5.690	5.689	0.001	74432570	55.0			
2	2	5.726	5.726	0.000	148120290	56.7			
						RPD = 2.99			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76780940	54.6			
2	2	5.906	5.906	0.000	150798850	55.8			
						RPD = 2.21			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	80947096	54.7			
2	2	6.104	6.103	0.001	155283467	55.5			
						RPD = 1.45			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	78287695	54.2			
2	2	6.258	6.257	0.001	146056647	55.5			
						RPD = 2.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	80714877	52.8			
2	2	6.436	6.436	0.000	146900140	55.5			
						RPD = 4.83			
26 Endosulfan I									
1	100	6.380	6.380	0.000	74696966	54.9			
2	2	6.316	6.315	0.001	135818112	55.7			
						RPD = 1.55			
28 Dieldrin									
1	100	6.625	6.625	0.000	82203312	54.9			
2	2	6.596	6.596	0.000	146424360	55.6			
						RPD = 1.21			
30 Endrin									
1	-65	6.860	6.860	0.000	73526297	55.6			
2	2	6.902	6.902	0.000	126098694	55.8			
						RPD = 0.21			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	68832031	59.4			
2	2	7.017	7.018	-0.001	115922785	56.6			
						RPD = 4.91			
34 Endosulfan II									
1	100	7.080	7.080	0.000	68373595	55.2			
2	2	7.111	7.111	0.000	115147319	55.4			
						RPD = 0.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	56959671	50.1			
2	2	7.321	7.321	0.000	89218103	46.9			
						RPD = 6.52			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	54312005	51.3			
2	2	7.438	7.439	-0.001	87804132	52.1			
						RPD = 1.66			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	29583301	53.4			
2	2	7.968	7.969	-0.001	41493601	48.7			
						RPD = 9.15			
38 Mirex									
1	100	7.808	7.808	0.000	49935317	54.2			
2	2	8.148	8.149	-0.001	69308644	52.2			
						RPD = 3.73			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61485775	53.7			
2	2	7.697	7.697	0.000	95492286	53.5			
						RPD = 0.34			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	73323186	54.8			
2	2	8.189	8.189	0.000	102953276	51.9			
						RPD = 5.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	63523436	52.8			
2	2	9.332	9.333	-0.001	70299475	52.4			
						RPD = 0.79			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

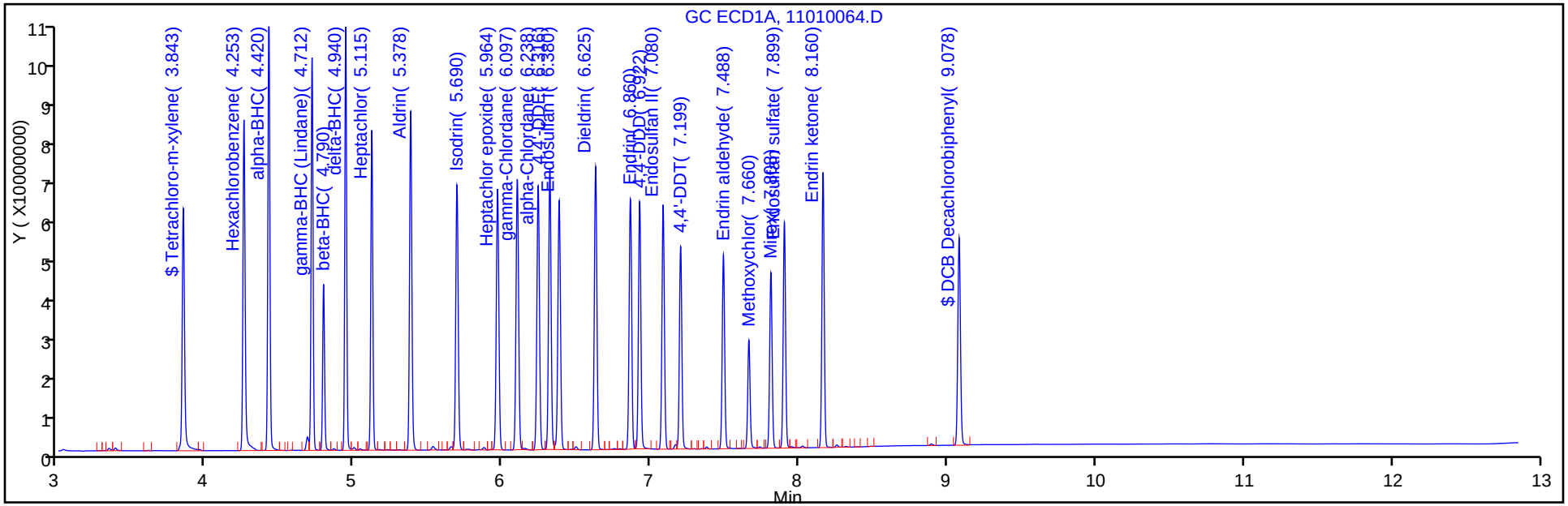
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TestAmerica Denver

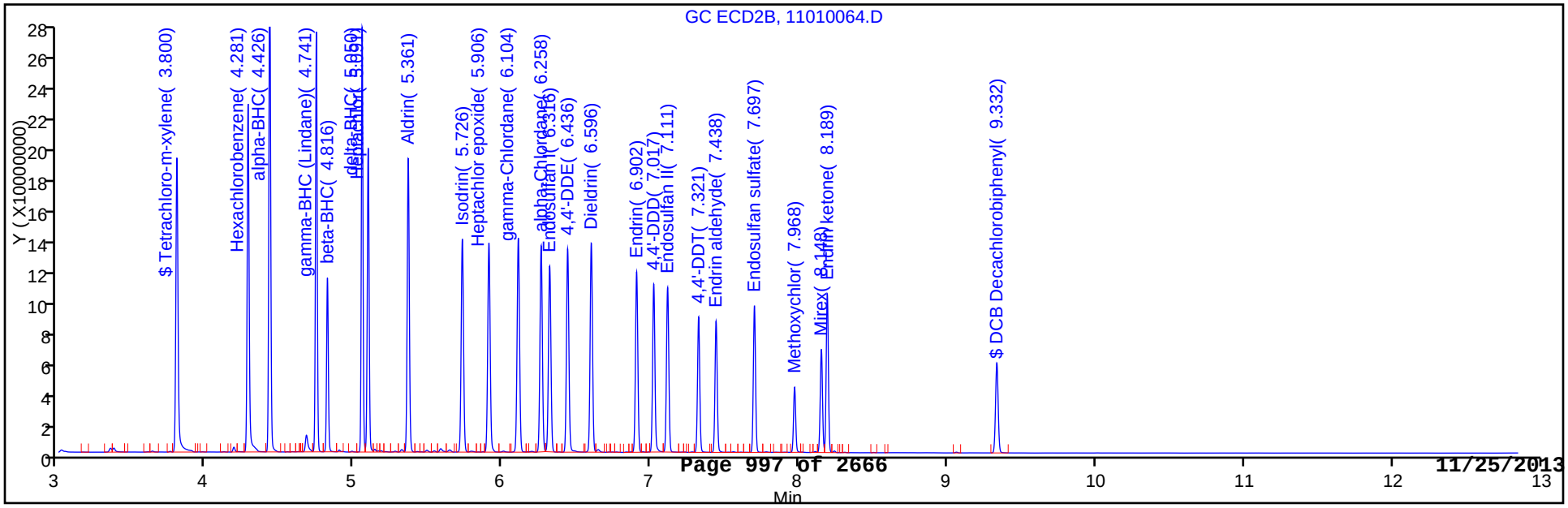
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Injection Date:	02-Nov-2013 04:01:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	64
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198319/1-A

Matrix: Solid | Lab File ID: 11010041.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.4(g) | Date Analyzed: 11/01/2013 21:43

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.68	U	1.7	0.68	0.54
72-55-9	4,4'-DDE	0.45	U	1.7	0.45	0.23
50-29-3	4,4'-DDT	0.68	U	2.0	0.68	0.58
309-00-2	Aldrin	0.45	U	1.7	0.45	0.25
319-84-6	alpha-BHC	0.45	U	1.7	0.45	0.21
5103-71-9	alpha-Chlordane	0.45	U	1.7	0.45	0.32
319-85-7	beta-BHC	0.68	U	1.7	0.68	0.66
319-86-8	delta-BHC	0.68	U	1.7	0.68	0.40
60-57-1	Dieldrin	0.45	U	1.7	0.45	0.21
959-98-8	Endosulfan I	0.45	U	1.7	0.45	0.17
33213-65-9	Endosulfan II	0.45	U	1.7	0.45	0.28
1031-07-8	Endosulfan sulfate	0.45	U	1.7	0.45	0.27
72-20-8	Endrin	0.45	U	1.7	0.45	0.30
7421-93-4	Endrin aldehyde	0.45	U	1.7	0.45	0.17
53494-70-5	Endrin ketone	0.68	U	1.7	0.68	0.48
58-89-9	gamma-BHC (Lindane)	0.68	U	1.7	0.68	0.46
5103-74-2	gamma-Chlordane	0.68	U	1.7	0.68	0.26
76-44-8	Heptachlor	0.45	U	1.7	0.45	0.21
1024-57-3	Heptachlor epoxide	0.68	U	1.7	0.68	0.42
72-43-5	Methoxychlor	0.68	U	3.3	0.68	0.44
8001-35-2	Toxaphene	27	U	170	27	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		55-130
877-09-8	Tetrachloro-m-xylene	88		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D
Lims ID: MB 280-198319/1-A Client ID:
Inject. Date: 01-Nov-2013 21:43:45 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-198319/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 35
Lims Batch ID: 198855 Lims Sample ID: 41
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	22809051	17.5			
2	2	3.803	3.799	0.004	69313353	19.5			
						RPD = 10.86			
8 Hexachlorobenzene									M
1	100	4.255	4.253	0.002	377568	-0.0506			7
2	2	4.280	4.280	0.000	686230	-0.7089			7M
						RPD = -173.36			
LOD = 0.1300									
9 Diallate									
1	100		4.279						
2	2		4.232						
10 alpha-BHC									M
1	-65	4.416	4.420	-0.004	265330	0.4557			
2	2	4.423	4.426	-0.003	252978	-0.3453			M
						RPD = 1450.99			
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									M
1	100	4.783	4.790	-0.007	655998	0.4220			
2	2	4.824	4.816	0.008	276405	-0.8898			M
						RPD = -58.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
3 2,4,5-Trichlorophenol									
1	1		4.794						
2	2		4.762						
13 delta-BHC									
1	100		4.939						
2	2		5.050						
14 Technical Chlordane									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
6 Chlordane (technical)									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
15 Heptachlor									
1	100		5.115						
2	2		5.091						
16 Aldrin									1
1	-65		5.377						
2	2		5.361						
17 Chlorpyrifos									1
1	100		5.601						
2	2		5.583						
18 Isodrin									1
1	100		5.689						
2	2		5.726						
19 Dicofol									1
1	100		5.724						
2	2		5.682						
21 2,4'-DDE									1
1	100		5.954						
2	2		6.113						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									1
1	-65		6.096						
2	2		6.103						
20 Toxaphene									1
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									1
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									1
1	-65		6.316						
2	2		6.436						
26 Endosulfan I									1
1	100		6.380						
2	2		6.315						
27 2,4'-DDD									1
1	100		6.494						
2	2		6.642						
28 Dieldrin									1
1	100		6.625						
2	2		6.596						
29 2,4'-DDT									1
1	100		6.753						
2	2		6.946						
30 Endrin									1
1	-65		6.860						
2	2		6.902						
31 Kepone									
1	100		6.905						
2	2		7.021						
32 4,4'-DDD									1
1	100		6.922						
2	2		7.018						
33 Chlorobenzilate									1
1	100		6.937						
2	2		6.892						
34 Endosulfan II									1
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									1
1	-65		7.198						
2	2		7.321						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									1
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						
38 Mirex									
1	100		7.808						
2	2		8.149						
39 Endosulfan sulfate									1
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	23540193	19.1			
2	2	9.333	9.333	0.000	27183722	19.7			
						RPD = 3.17			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.754						
2	2		11.088						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

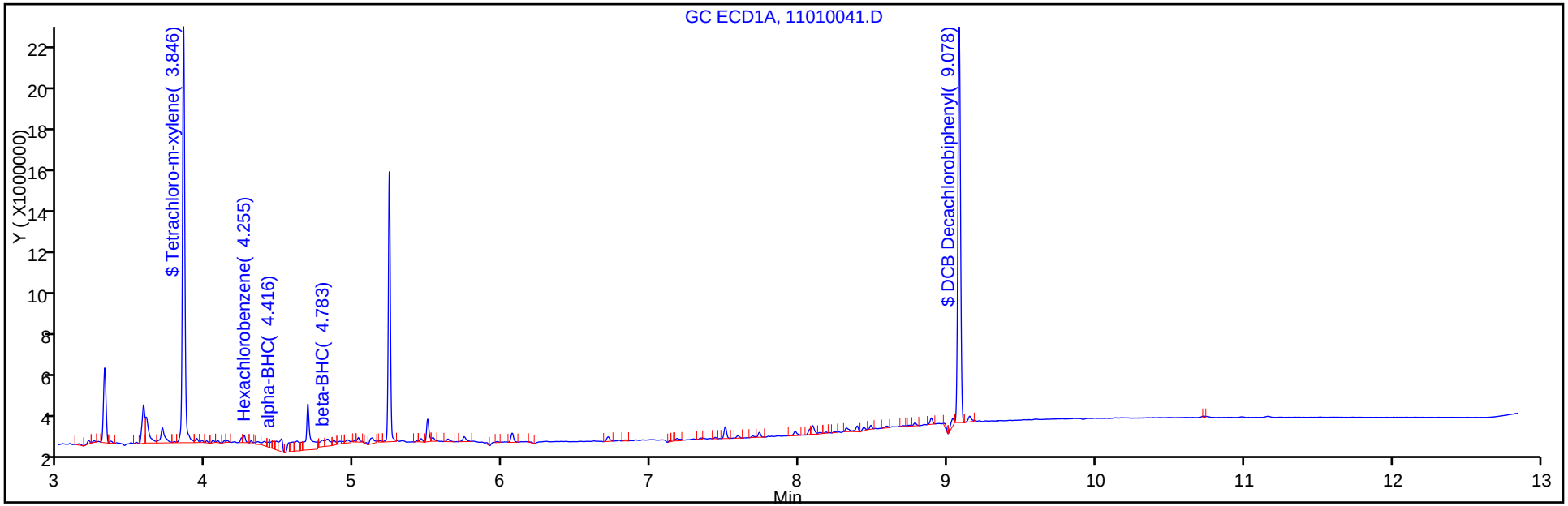
Report Date: 04-Nov-2013 06:46:36 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

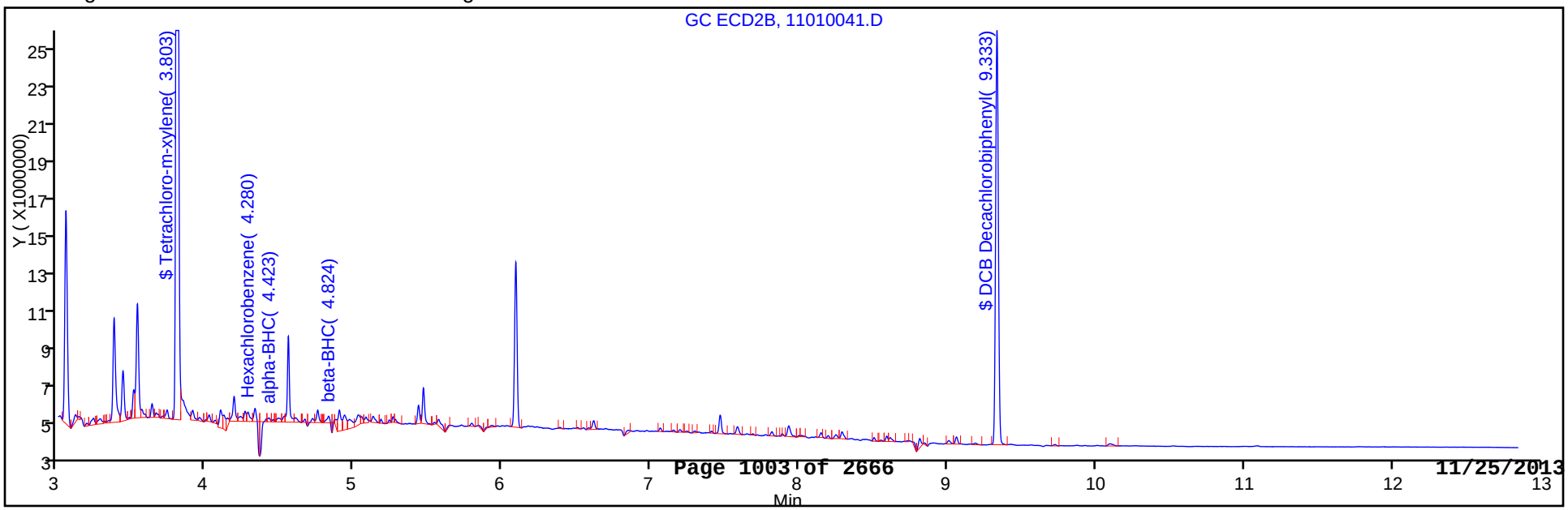
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D

Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198319/1-A

Matrix: Solid | Lab File ID: 11010041.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.4(g) | Date Analyzed: 11/01/2013 21:43

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		55-130
877-09-8	Tetrachloro-m-xylene	98		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D
Lims ID: MB 280-198319/1-A Client ID:
Inject. Date: 01-Nov-2013 21:43:45 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-198319/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 35
Lims Batch ID: 198855 Lims Sample ID: 41
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	22809051	17.5			
2	2	3.803	3.799	0.004	69313353	19.5			
						RPD = 10.86			
8 Hexachlorobenzene									M
1	100	4.255	4.253	0.002	377568	-0.0506			7
2	2	4.280	4.280	0.000	686230	-0.7089			7M
						RPD = -173.36			
LOD = 0.1300									
9 Diallate									
1	100		4.279						
2	2		4.232						
10 alpha-BHC									M
1	-65	4.416	4.420	-0.004	265330	0.4557			
2	2	4.423	4.426	-0.003	252978	-0.3453			M
						RPD = 1450.99			
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									M
1	100	4.783	4.790	-0.007	655998	0.4220			
2	2	4.824	4.816	0.008	276405	-0.8898			M
						RPD = -156.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
3 2,4,5-Trichlorophenol									
1	1		4.794						
2	2		4.762						
13 delta-BHC									
1	100		4.939						
2	2		5.050						
14 Technical Chlordane									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
6 Chlordane (technical)									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
15 Heptachlor									
1	100		5.115						
2	2		5.091						
16 Aldrin									1
1	-65		5.377						
2	2		5.361						
17 Chlorpyrifos									1
1	100		5.601						
2	2		5.583						
18 Isodrin									1
1	100		5.689						
2	2		5.726						
19 Dicofol									1
1	100		5.724						
2	2		5.682						
21 2,4'-DDE									1
1	100		5.954						
2	2		6.113						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									1
1	-65		6.096						
2	2		6.103						
20 Toxaphene									1
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									1
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									1
1	-65		6.316						
2	2		6.436						
26 Endosulfan I									1
1	100		6.380						
2	2		6.315						
27 2,4'-DDD									1
1	100		6.494						
2	2		6.642						
28 Dieldrin									1
1	100		6.625						
2	2		6.596						
29 2,4'-DDT									1
1	100		6.753						
2	2		6.946						
30 Endrin									1
1	-65		6.860						
2	2		6.902						
31 Kepone									
1	100		6.905						
2	2		7.021						
32 4,4'-DDD									1
1	100		6.922						
2	2		7.018						
33 Chlorobenzilate									1
1	100		6.937						
2	2		6.892						
34 Endosulfan II									1
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									1
1	-65		7.198						
2	2		7.321						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									1
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						
38 Mirex									
1	100		7.808						
2	2		8.149						
39 Endosulfan sulfate									1
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	23540193	19.1			
2	2	9.333	9.333	0.000	27183722	19.7			
						RPD = 3.17			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.754						
2	2		11.088						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

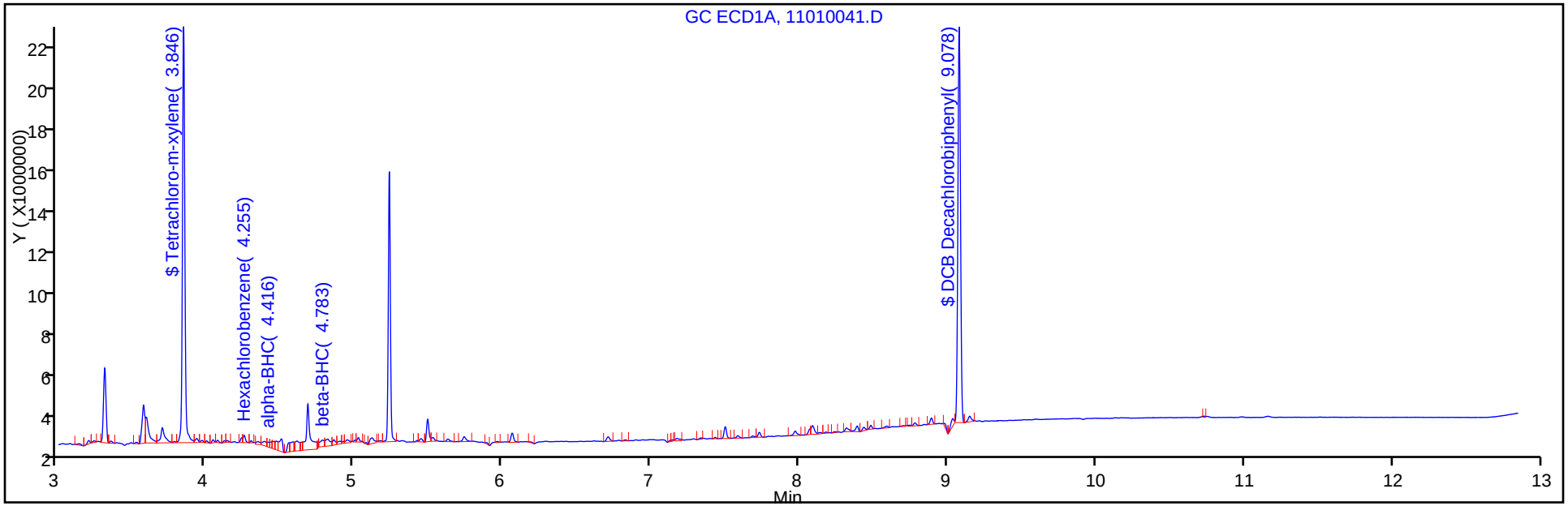
Report Date: 04-Nov-2013 06:46:37 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

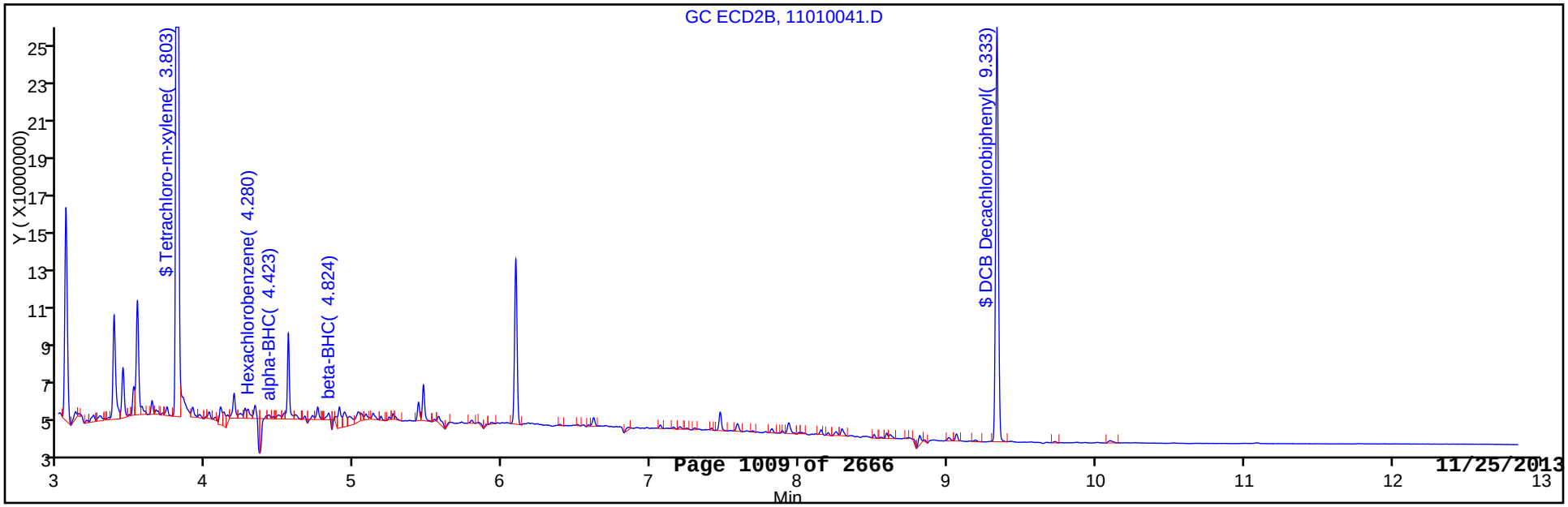
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D

Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

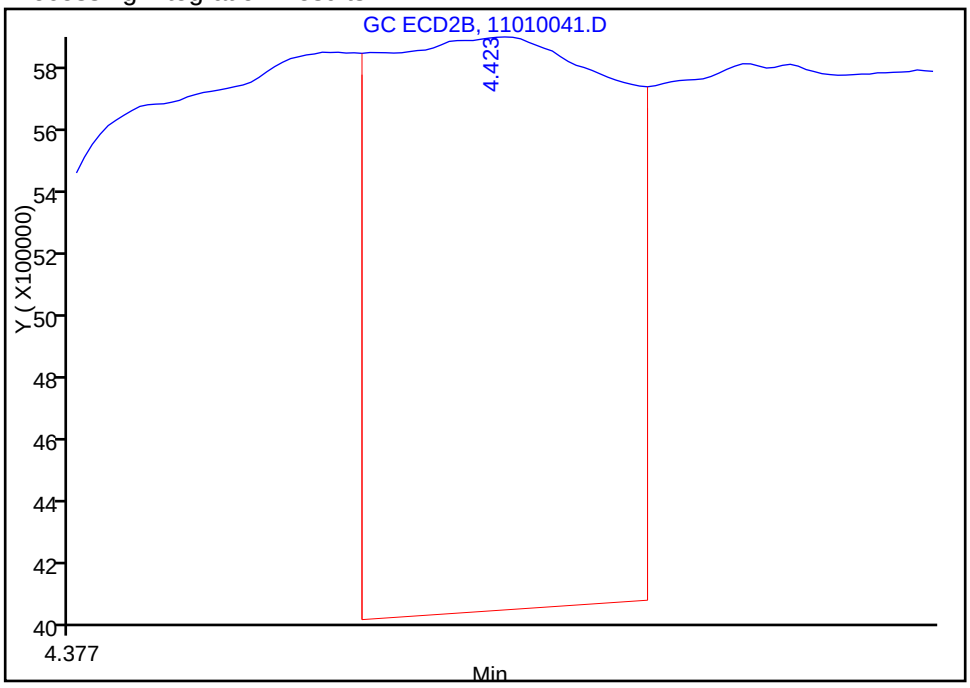
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D		
Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

10 alpha-BHC, Signal: 2, Type: quant, RT: 4.43, Det: GC ECD2B

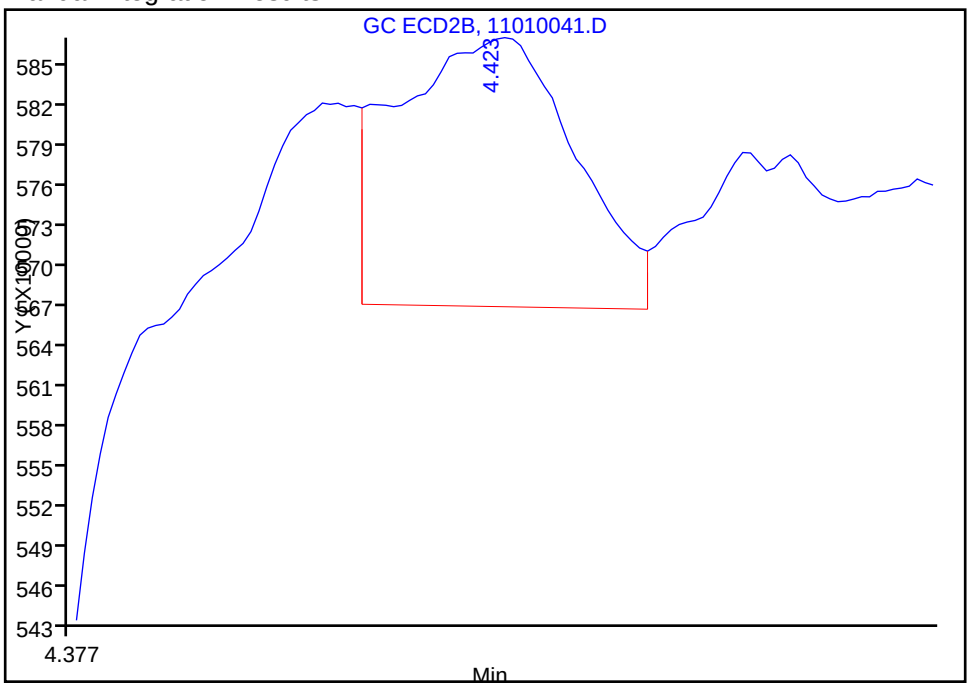
Processing Integration Results

RT: 4.42
Response: 3103636
Amount: 0.263058



Manual Integration Results

RT: 4.42
Response: 252978
Amount: -0.345329



Reviewer: wellsd, 04-Nov-2013 06:29:19
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

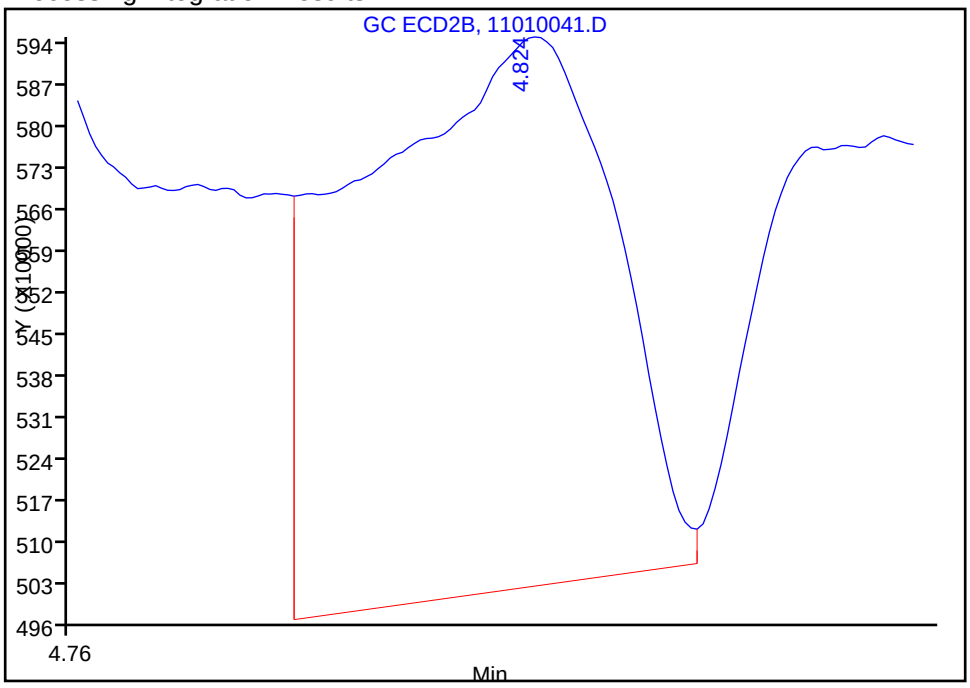
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D		
Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

12 beta-BHC, Signal: 2, Type: quant, RT: 4.82, Det: GC ECD2B

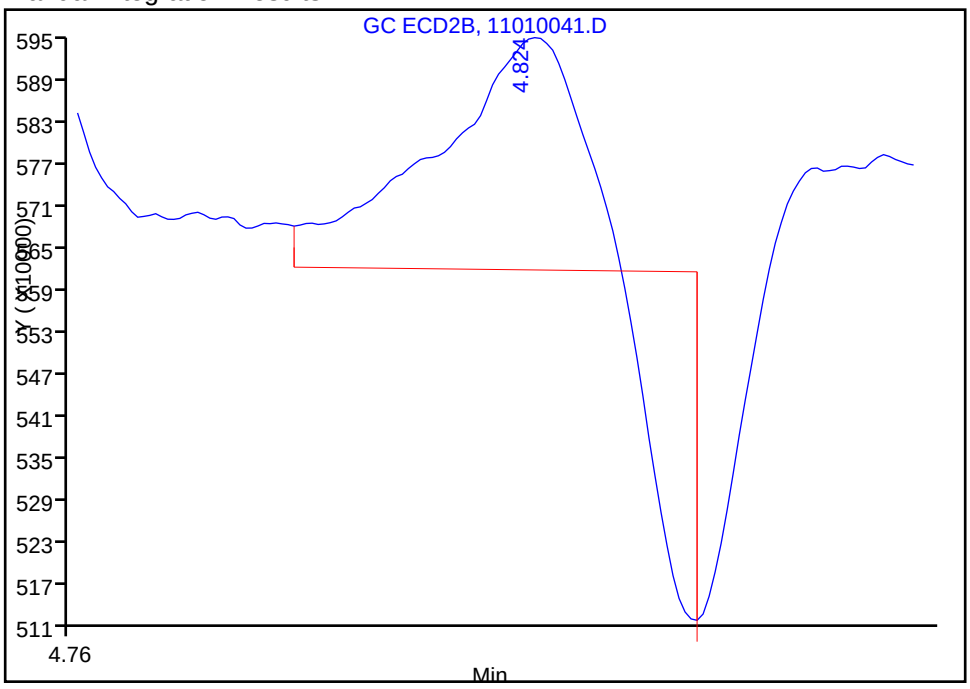
Processing Integration Results

RT: 4.82
Response: 2303644
Amount: 0.363003



Manual Integration Results

RT: 4.82
Response: 276405
Amount: -0.889764



Reviewer: wellsd, 04-Nov-2013 06:29:19
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198319/2-A

Matrix: Solid | Lab File ID: 11010043.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.0(g) | Date Analyzed: 11/01/2013 22:16

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	18.1		1.7	0.69	0.55
72-55-9	4,4'-DDE	17.2		1.7	0.46	0.24
50-29-3	4,4'-DDT	17.3		2.0	0.69	0.59
309-00-2	Aldrin	16.6		1.7	0.46	0.25
319-84-6	alpha-BHC	16.3		1.7	0.46	0.21
5103-71-9	alpha-Chlordane	16.8		1.7	0.46	0.32
319-85-7	beta-BHC	15.9		1.7	0.69	0.66
319-86-8	delta-BHC	16.2		1.7	0.69	0.40
60-57-1	Dieldrin	17.2		1.7	0.46	0.21
959-98-8	Endosulfan I	16.1		1.7	0.46	0.18
33213-65-9	Endosulfan II	16.9		1.7	0.46	0.29
1031-07-8	Endosulfan sulfate	18.3		1.7	0.46	0.28
72-20-8	Endrin	17.9		1.7	0.46	0.31
7421-93-4	Endrin aldehyde	14.8		1.7	0.46	0.17
53494-70-5	Endrin ketone	17.6		1.7	0.69	0.49
58-89-9	gamma-BHC (Lindane)	16.1		1.7	0.69	0.46
5103-74-2	gamma-Chlordane	17.3		1.7	0.69	0.27
76-44-8	Heptachlor	15.9		1.7	0.46	0.21
1024-57-3	Heptachlor epoxide	17.1		1.7	0.69	0.43
72-43-5	Methoxychlor	17.0		3.3	0.69	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		55-130
877-09-8	Tetrachloro-m-xylene	90		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010043.D
Lims ID: LCS 280-198319/2-A Client ID:
Inject. Date: 01-Nov-2013 22:16:32 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-198319/2
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 198855 Lims Sample ID: 43
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	23456874	18.0			
2	2	3.802	3.799	0.003	80676612	22.9			
						RPD = 23.72			
10 alpha-BHC									
1	-65	4.422	4.420	0.002	93419156	49.0			
2	2	4.427	4.426	0.001	248348853	52.6			
						RPD = 7.04			
11 gamma-BHC (Lindane)									
1	-65	4.714	4.711	0.003	82946581	48.4			
2	2	4.741	4.741	0.000	207510334	51.5			
						RPD = 6.22			
12 beta-BHC									
1	100	4.791	4.790	0.001	33558706	47.6			
2	2	4.816	4.816	0.000	84869343	51.4			
						RPD = 7.75			
13 delta-BHC									
1	100	4.939	4.939	0.000	84766664	48.7			
2	2	5.050	5.050	0.000	198490012	52.7			
						RPD = 7.96			
15 Heptachlor									
1	100	5.116	5.115	0.001	70585386	47.7			
2	2	5.091	5.091	0.000	169497838	51.4			
						RPD = 7.47			
16 Aldrin									
1	-65	5.378	5.377	0.001	80855405	49.9			
2	2	5.361	5.361	0.000	170781851	53.1			
						RPD = 6.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	72082777	51.3			
2	2	5.905	5.906	-0.001	145396287	53.8			
						RPD = 4.84			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	76737346	51.9			
2	2	6.104	6.103	0.001	162669061	58.2			
						RPD = 11.48			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	72868446	50.5			
2	2	6.258	6.257	0.001	140336233	53.3			
						RPD = 5.43			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	78960552	51.7			
2	2	6.437	6.436	0.001	144851735	54.7			
						RPD = 5.60			
26 Endosulfan I									
1	100	6.380	6.380	0.000	65963521	48.4			
2	2	6.316	6.315	0.001	122560226	50.2			
						RPD = 3.61			
28 Dieldrin									
1	100	6.626	6.625	0.001	77427624	51.7			
2	2	6.597	6.596	0.001	141343262	53.7			
						RPD = 3.63			
30 Endrin									
1	-65	6.860	6.860	0.000	70790224	53.6			
2	2	6.903	6.902	0.001	124890440	55.2			
						RPD = 3.03			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	62792037	54.2			
2	2	7.018	7.018	0.000	110725007	54.0			
						RPD = 0.34			
34 Endosulfan II									
1	100	7.082	7.080	0.002	62783624	50.7			
2	2	7.111	7.111	0.000	107789539	51.8			
						RPD = 2.16			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	59110486	52.0			
2	2	7.321	7.321	0.000	99671956	52.5			
						RPD = 0.92			
36 Endrin aldehyde									
1	-65	7.489	7.487	0.002	47138707	44.5			
2	2	7.439	7.439	0.000	77562890	46.0			
						RPD = 3.34			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28295187	51.0			
2	2	7.968	7.969	-0.001	44121926	51.8			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	62703040	54.8			
2	2	7.698	7.697	0.001	92881877	52.0			
						RPD = 5.13			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	70912065	52.9			
2	2	8.189	8.189	0.000	100578451	50.7			
						RPD = 4.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	25593144	20.9			
2	2	9.333	9.333	0.000	27734421	20.2			
						RPD = 3.40			

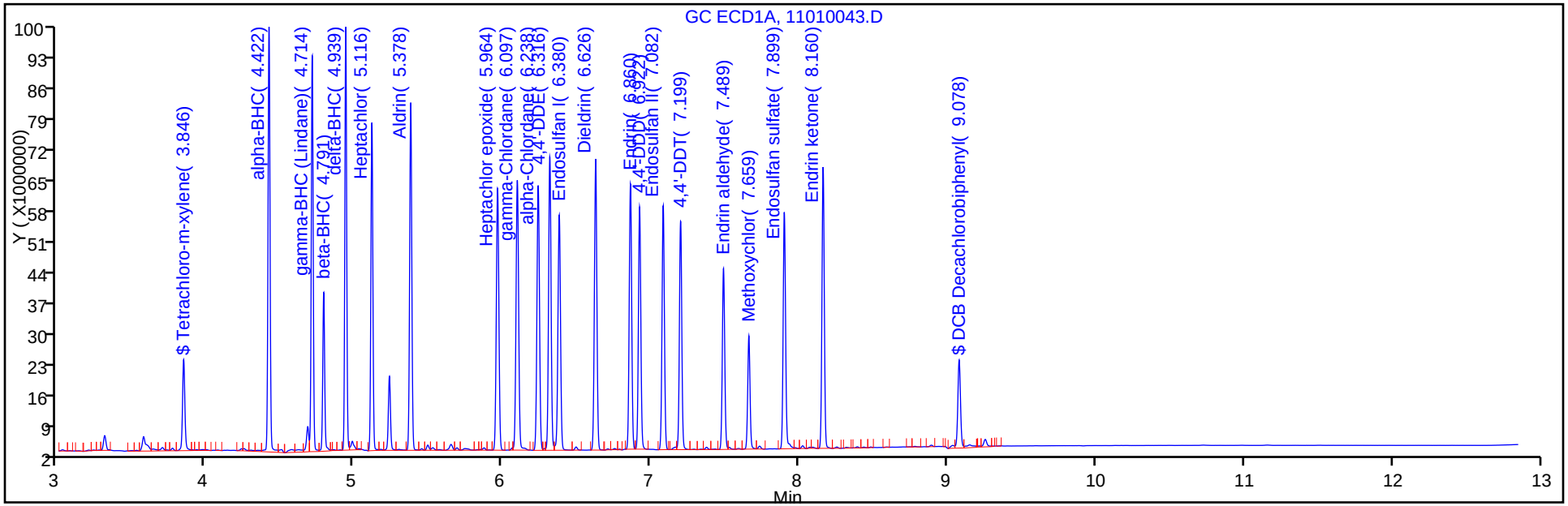
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TestAmerica Denver

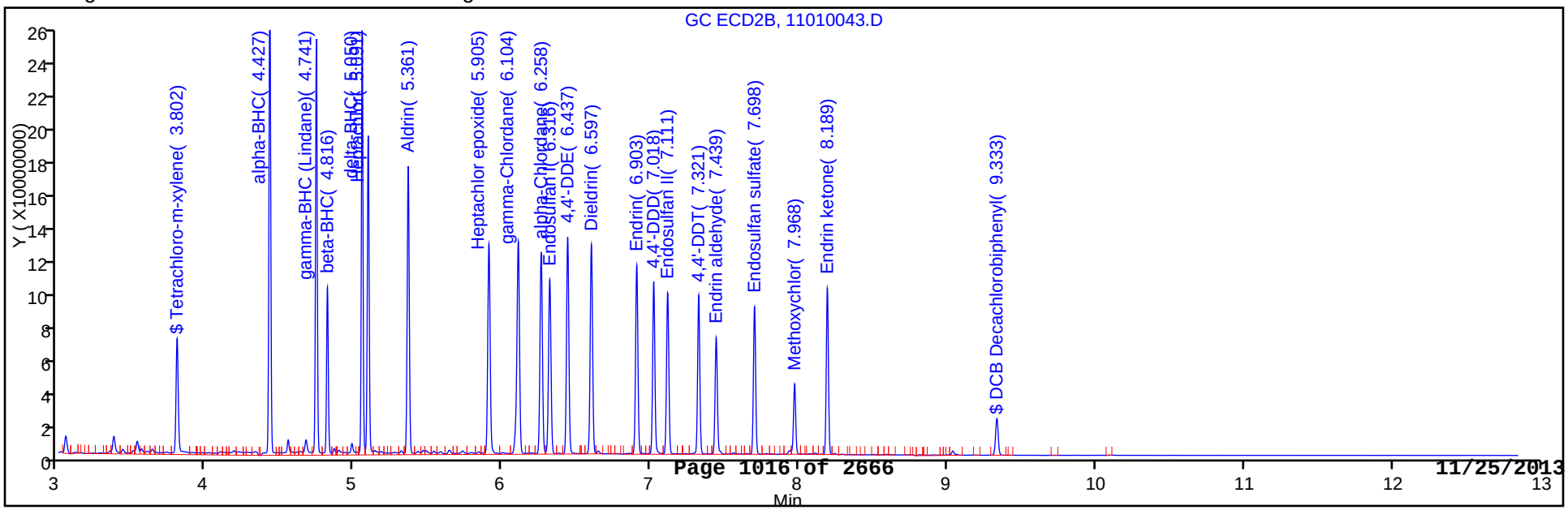
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Injection Date:	01-Nov-2013 22:16:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	43
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



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FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198319/2-A

Matrix: Solid | Lab File ID: 11010043.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.0(g) | Date Analyzed: 11/01/2013 22:16

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		55-130
877-09-8	Tetrachloro-m-xylene	114		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010043.D
Lims ID: LCS 280-198319/2-A Client ID:
Inject. Date: 01-Nov-2013 22:16:32 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-198319/2
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 198855 Lims Sample ID: 43
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	23456874	18.0			
2	2	3.802	3.799	0.003	80676612	22.9			
						RPD = 23.72			
10 alpha-BHC									
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						RPD = 7.04			
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1	-65	4.714	4.711	0.003	82946581	48.4			
2	2	4.741	4.741	0.000	207510334	51.5			
						RPD = 6.22			
12 beta-BHC									
1	100	4.791	4.790	0.001	33558706	47.6			
2	2	4.816	4.816	0.000	84869343	51.4			
						RPD = 7.75			
13 delta-BHC									
1	100	4.939	4.939	0.000	84766664	48.7			
2	2	5.050	5.050	0.000	198490012	52.7			
						RPD = 7.96			
15 Heptachlor									
1	100	5.116	5.115	0.001	70585386	47.7			
2	2	5.091	5.091	0.000	169497838	51.4			
						RPD = 7.47			
16 Aldrin									
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2	2	5.361	5.361	0.000	170781851	53.1			
						RPD = 6.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	72082777	51.3			
2	2	5.905	5.906	-0.001	145396287	53.8			
						RPD = 4.84			
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1	-65	6.097	6.096	0.001	76737346	51.9			
2	2	6.104	6.103	0.001	162669061	58.2			
						RPD = 11.48			
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2	2	6.258	6.257	0.001	140336233	53.3			
						RPD = 5.43			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	78960552	51.7			
2	2	6.437	6.436	0.001	144851735	54.7			
						RPD = 5.60			
26 Endosulfan I									
1	100	6.380	6.380	0.000	65963521	48.4			
2	2	6.316	6.315	0.001	122560226	50.2			
						RPD = 3.61			
28 Dieldrin									
1	100	6.626	6.625	0.001	77427624	51.7			
2	2	6.597	6.596	0.001	141343262	53.7			
						RPD = 3.63			
30 Endrin									
1	-65	6.860	6.860	0.000	70790224	53.6			
2	2	6.903	6.902	0.001	124890440	55.2			
						RPD = 3.03			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	62792037	54.2			
2	2	7.018	7.018	0.000	110725007	54.0			
						RPD = 0.34			
34 Endosulfan II									
1	100	7.082	7.080	0.002	62783624	50.7			
2	2	7.111	7.111	0.000	107789539	51.8			
						RPD = 2.16			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	59110486	52.0			
2	2	7.321	7.321	0.000	99671956	52.5			
						RPD = 0.92			
36 Endrin aldehyde									
1	-65	7.489	7.487	0.002	47138707	44.5			
2	2	7.439	7.439	0.000	77562890	46.0			
						RPD = 3.34			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28295187	51.0			
2	2	7.968	7.969	-0.001	44121926	51.8			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	62703040	54.8			
2	2	7.698	7.697	0.001	92881877	52.0			
						RPD = 5.13			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	70912065	52.9			
2	2	8.189	8.189	0.000	100578451	50.7			
						RPD = 4.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	25593144	20.9			
2	2	9.333	9.333	0.000	27734421	20.2			
						RPD = 3.40			

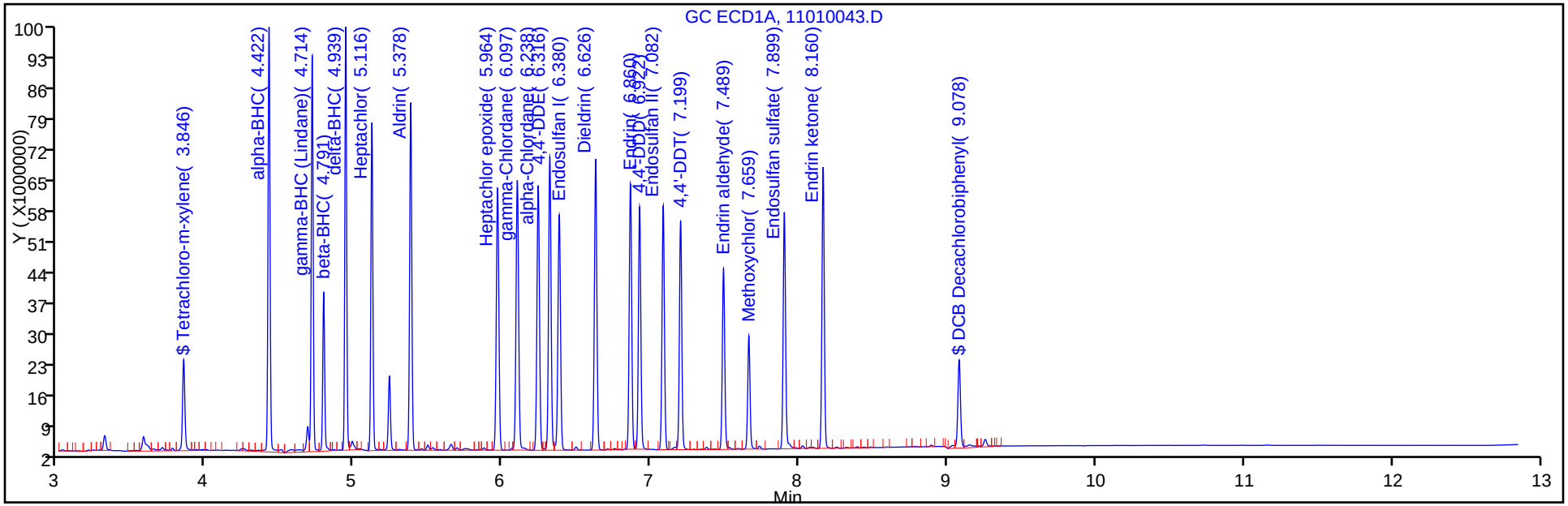
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TestAmerica Denver

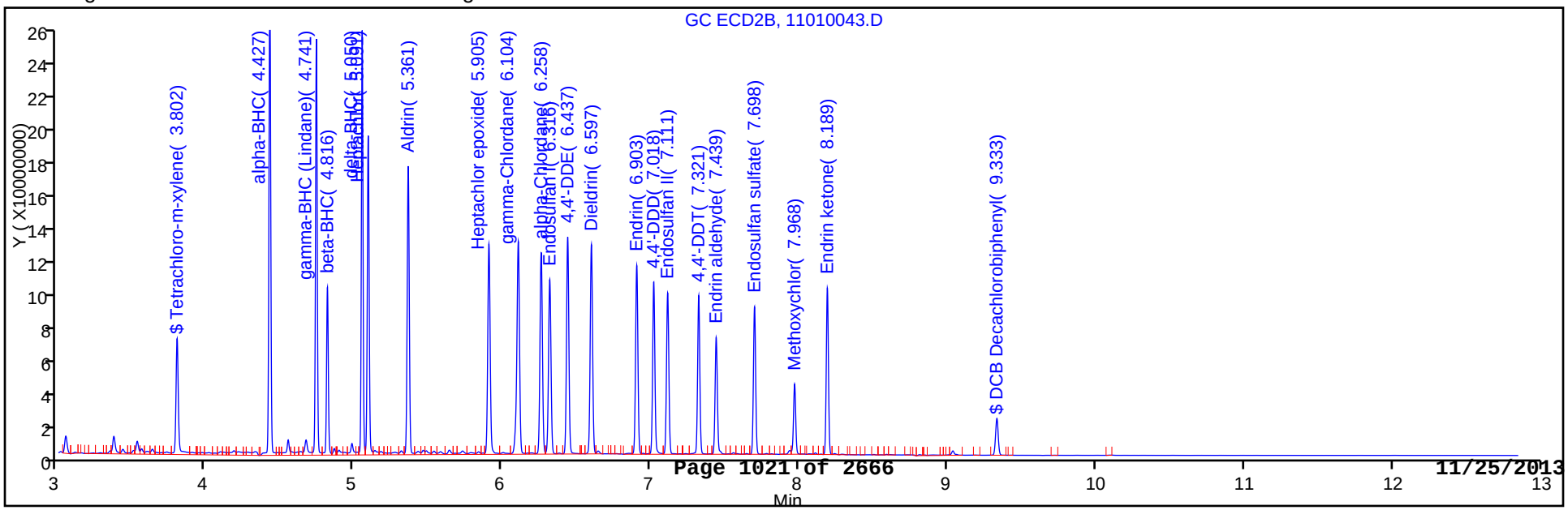
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Injection Date:	01-Nov-2013 22:16:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	43
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198319/3-A

Matrix: Solid | Lab File ID: 11010042.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.3(g) | Date Analyzed: 11/01/2013 22:00

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	69.8	J	170	27	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		55-130
877-09-8	Tetrachloro-m-xylene	99		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010042.D		
Lims ID:	LCS 280-198319/3-A	Client ID:	
Inject. Date:	01-Nov-2013 22:00:08	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 280-198319/3		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	198855	Lims Sample ID:	42
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:34	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	25849473	19.9			
2	2	3.802	3.799	0.003	80880885	22.9			
						RPD = 14.31			
20 Toxaphene									M
1	-65	6.230	6.235	-0.005	1115870	235.5		100.0	M
1	-65	6.721	6.721	0.000	3707221	161.7	513.2- 553.2	332.2	M
1	-65	7.406	7.406	0.000	9093347	267.6	792.2- 832.2	814.9	M
1	-65	7.811	7.811	0.000	11439477	184.3	1468.1-1508.1	1025.2	M
1	-65	8.144	8.143	0.001	7205380	208.3	878.0- 918.0	645.7	M
			Average of Peak Amounts =			211.5			
2	6	6.574	6.574	0.000	10977539	261.4		100.0	M
2	7	6.842	6.841	0.001	7255114	60.5	165.8- 225.8	66.1	M
2	8	7.192	7.191	0.001	24641282	235.0	243.1- 303.1	224.5	M
2	9	7.444	7.442	0.002	18855739	133.1	301.5- 361.5	171.8	M
2	10	8.276	8.274	0.002	9900520	207.5	105.5- 165.5	90.2	M
			Average of Peak Amounts =			179.5			
						RPD = 16.36			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	26763634	21.8			
2	2	9.334	9.333	0.001	28591492	20.8			
						RPD = 4.85			

QC Flag Legend

Review Flags
M - Manually Integrated

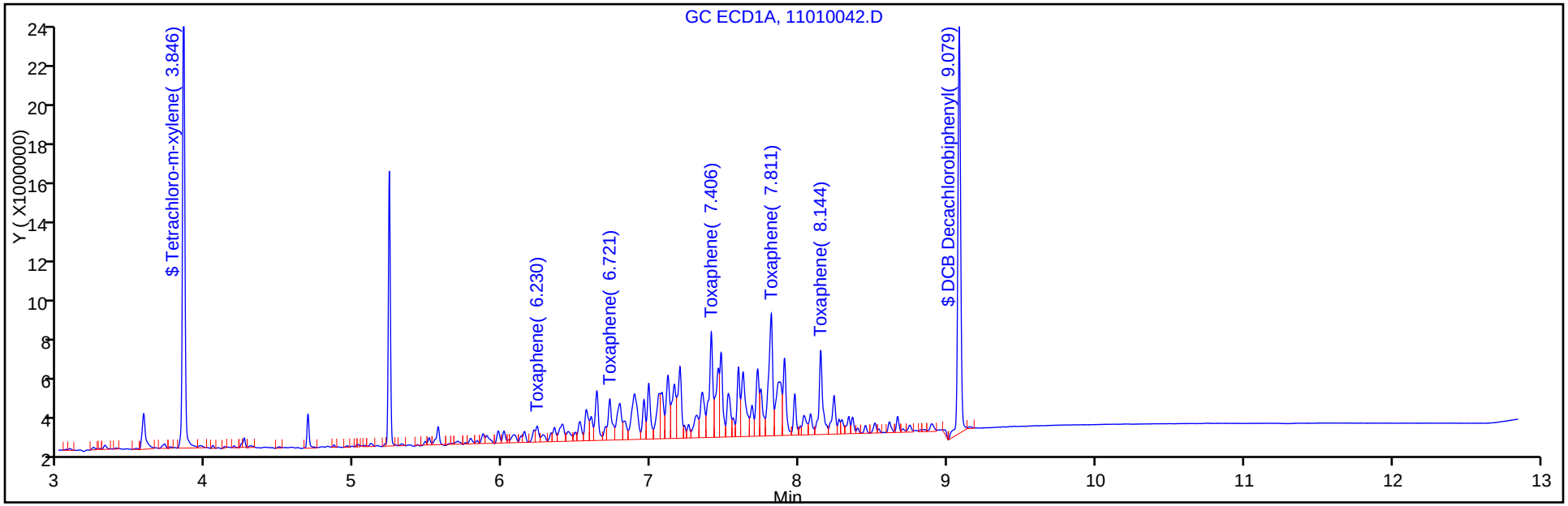
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TestAmerica Denver

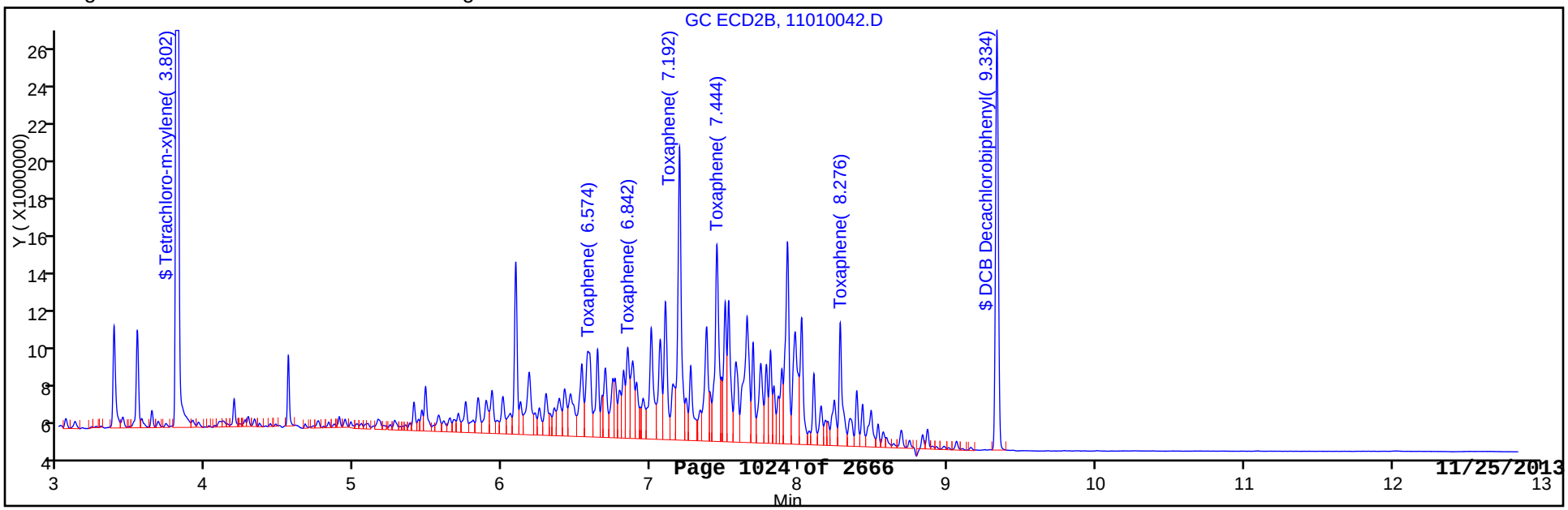
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Injection Date:	01-Nov-2013 22:00:08	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	42
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



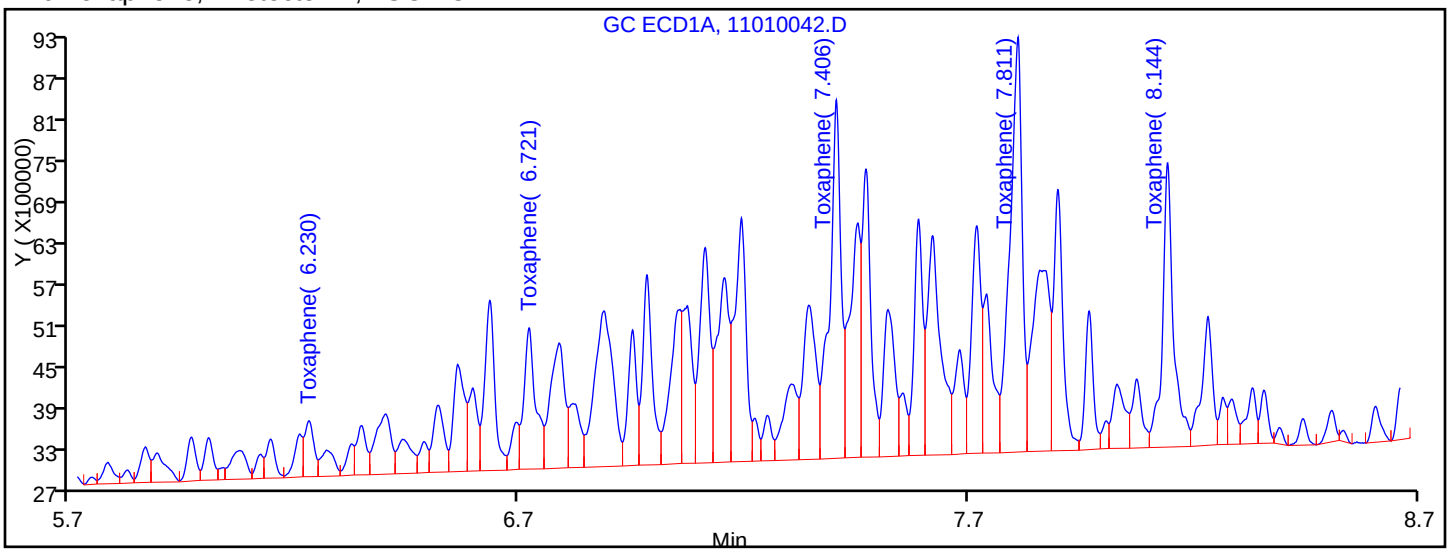
Report Date: 04-Nov-2013 06:46:37 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010042.D

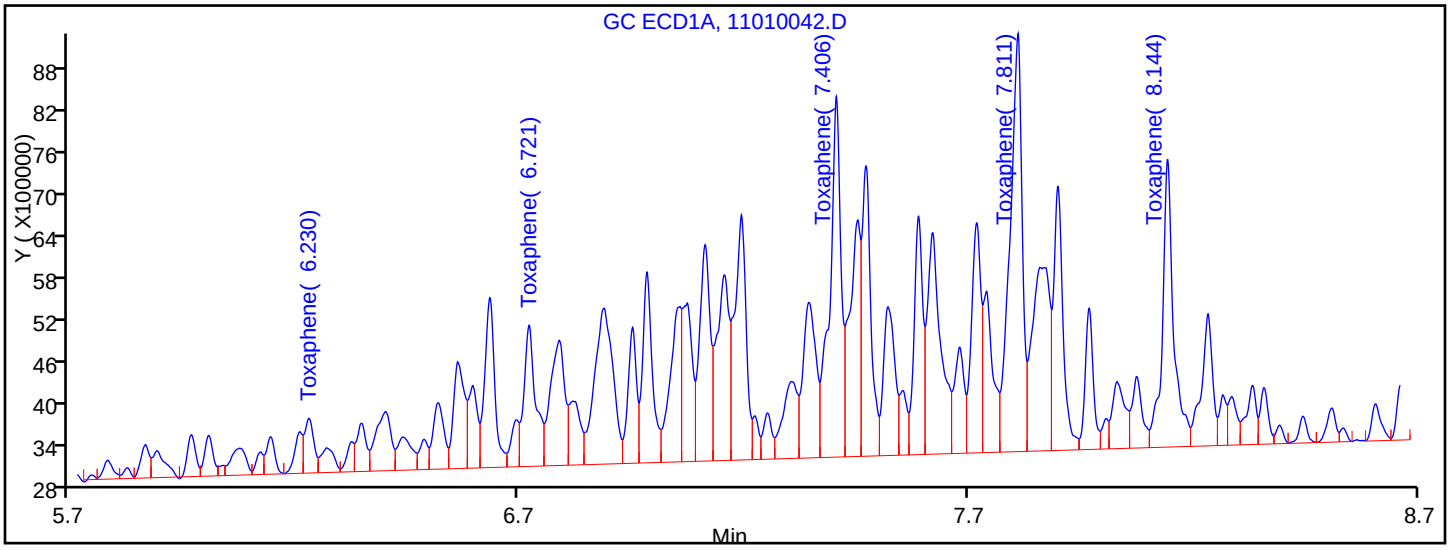
Injection Date:	01-Nov-2013 22:00:08	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	42
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.230	Response = 1156528	M
RT = 6.721	Response = 3729878	M
RT = 7.406	Response = 9044879	M
RT = 7.811	Response = 11343941	M
RT = 8.144	Response = 7022321	M



Manual Integration Results

RT = 6.230	Response = 1115870	M
RT = 6.721	Response = 3707221	M
RT = 7.406	Response = 9093347	M
RT = 7.811	Response = 11439477	M
RT = 8.144	Response = 7205380	M

Reviewer: wellsd, 04-Nov-2013 06:29:38

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 10/15/2013 14:34

Analysis Batch Number: 196035 End Date: 10/16/2013 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-196035/7		10/15/2013 14:34	1		CLP1 0.32(mm)
PEM 280-196035/7		10/15/2013 14:34	1		CLP2 0.32(mm)
STD6 280-196035/10 IC		10/15/2013 15:24	1	10150010.D	CLP1 0.32(mm)
STD6 280-196035/10 IC		10/15/2013 15:24	1	10150010.D	CLP2 0.32(mm)
STD5 280-196035/11 IC		10/15/2013 15:40	1	10150011.D	CLP1 0.32(mm)
STD5 280-196035/11 IC		10/15/2013 15:40	1	10150011.D	CLP2 0.32(mm)
STD4 280-196035/12 IC		10/15/2013 15:56	1	10150012.D	CLP1 0.32(mm)
STD4 280-196035/12 IC		10/15/2013 15:56	1	10150012.D	CLP2 0.32(mm)
STD3 280-196035/13 IC		10/15/2013 16:13	1	10150013.D	CLP1 0.32(mm)
STD3 280-196035/13 IC		10/15/2013 16:13	1	10150013.D	CLP2 0.32(mm)
STD2 280-196035/14 IC		10/15/2013 16:29	1	10150014.D	CLP1 0.32(mm)
STD2 280-196035/14 IC		10/15/2013 16:29	1	10150014.D	CLP2 0.32(mm)
STD1 280-196035/15 IC		10/15/2013 16:46	1	10150015.D	CLP1 0.32(mm)
STD1 280-196035/15 IC		10/15/2013 16:46	1	10150015.D	CLP2 0.32(mm)
ICV 280-196035/16		10/15/2013 17:02	1	10150016.D	CLP1 0.32(mm)
ICV 280-196035/16		10/15/2013 17:02	1	10150016.D	CLP2 0.32(mm)
STD7 280-196035/17 IC		10/15/2013 17:18	1		CLP1 0.32(mm)
STD7 280-196035/17 IC		10/15/2013 17:18	1		CLP2 0.32(mm)
STD6 280-196035/18 IC		10/15/2013 17:35	1		CLP1 0.32(mm)
STD6 280-196035/18 IC		10/15/2013 17:35	1		CLP2 0.32(mm)
STD5 280-196035/19 IC		10/15/2013 17:51	1		CLP1 0.32(mm)
STD5 280-196035/19 IC		10/15/2013 17:51	1		CLP2 0.32(mm)
STD4 280-196035/20 IC		10/15/2013 18:08	1		CLP1 0.32(mm)
STD4 280-196035/20 IC		10/15/2013 18:08	1		CLP2 0.32(mm)
STD3 280-196035/21 IC		10/15/2013 18:24	1		CLP1 0.32(mm)
STD3 280-196035/21 IC		10/15/2013 18:24	1		CLP2 0.32(mm)
STD2 280-196035/22 IC		10/15/2013 18:40	1		CLP1 0.32(mm)
STD2 280-196035/22 IC		10/15/2013 18:40	1		CLP2 0.32(mm)
STD1 280-196035/23 IC		10/15/2013 18:57	1		CLP1 0.32(mm)
STD1 280-196035/23 IC		10/15/2013 18:57	1		CLP2 0.32(mm)
ICV 280-196035/24		10/15/2013 19:13	1		CLP1 0.32(mm)
ICV 280-196035/24		10/15/2013 19:13	1		CLP2 0.32(mm)
STD6 280-196035/25 IC		10/15/2013 19:30	1	10150025.D	CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 10/15/2013 14:34

Analysis Batch Number: 196035 End Date: 10/16/2013 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD6 280-196035/25 IC		10/15/2013 19:30	1	10150025.D	CLP2 0.32(mm)
STD5 280-196035/26 IC		10/15/2013 19:46	1	10150026.D	CLP1 0.32(mm)
STD5 280-196035/26 IC		10/15/2013 19:46	1	10150026.D	CLP2 0.32(mm)
STD4 280-196035/27 IC		10/15/2013 20:02	1	10150027.D	CLP1 0.32(mm)
STD4 280-196035/27 IC		10/15/2013 20:02	1	10150027.D	CLP2 0.32(mm)
STD3 280-196035/28 IC		10/15/2013 20:19	1	10150028.D	CLP1 0.32(mm)
STD3 280-196035/28 IC		10/15/2013 20:19	1	10150028.D	CLP2 0.32(mm)
STD2 280-196035/29 IC		10/15/2013 20:35	1	10150029.D	CLP1 0.32(mm)
STD2 280-196035/29 IC		10/15/2013 20:35	1	10150029.D	CLP2 0.32(mm)
STD1 280-196035/30 IC		10/15/2013 20:52	1	10150030.D	CLP1 0.32(mm)
STD1 280-196035/30 IC		10/15/2013 20:52	1	10150030.D	CLP2 0.32(mm)
ICV 280-196035/31		10/15/2013 21:08	1	10150031.D	CLP1 0.32(mm)
ICV 280-196035/31		10/15/2013 21:08	1	10150031.D	CLP2 0.32(mm)
STD5 280-196035/32 IC		10/15/2013 21:24	1		CLP1 0.32(mm)
STD5 280-196035/32 IC		10/15/2013 21:24	1		CLP2 0.32(mm)
STD4 280-196035/33 IC		10/15/2013 21:41	1		CLP1 0.32(mm)
STD4 280-196035/33 IC		10/15/2013 21:41	1		CLP2 0.32(mm)
STD3 280-196035/34 IC		10/15/2013 21:57	1		CLP1 0.32(mm)
STD3 280-196035/34 IC		10/15/2013 21:57	1		CLP2 0.32(mm)
STD2 280-196035/35 IC		10/15/2013 22:14	1		CLP1 0.32(mm)
STD2 280-196035/35 IC		10/15/2013 22:14	1		CLP2 0.32(mm)
STD1 280-196035/36 IC		10/15/2013 22:30	1		CLP1 0.32(mm)
STD1 280-196035/36 IC		10/15/2013 22:30	1		CLP2 0.32(mm)
ICV 280-196035/37		10/15/2013 22:46	1		CLP1 0.32(mm)
ICV 280-196035/37		10/15/2013 22:46	1		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:03	1000		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:03	1000		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:19	2000		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:19	2000		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:35	1		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:35	1		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:52	500		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:52	500		CLP2 0.32(mm)
ZZZZZ		10/16/2013 00:08	1		CLP1 0.32(mm)
ZZZZZ		10/16/2013 00:08	1		CLP2 0.32(mm)
ZZZZZ		10/16/2013 00:25	1		CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 10/15/2013 14:34

Analysis Batch Number: 196035 End Date: 10/16/2013 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/16/2013 00:25	1		CLP2 0.32(mm)
CCV 280-196035/42		10/16/2013 00:41	1		CLP1 0.32(mm)
CCV 280-196035/42		10/16/2013 00:41	1		CLP2 0.32(mm)
CCV 280-196035/43		10/16/2013 00:57	1		CLP1 0.32(mm)
CCV 280-196035/43		10/16/2013 00:57	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 11/01/2013 12:06

Analysis Batch Number: 198855 End Date: 11/02/2013 04:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-198855/7		11/01/2013 12:06	1	11010007.D	CLP1 0.32(mm)
PEM 280-198855/7		11/01/2013 12:06	1	11010007.D	CLP2 0.32(mm)
CCVRT 280-198855/10		11/01/2013 12:55	1	11010010.D	CLP1 0.32(mm)
CCVRT 280-198855/10		11/01/2013 12:55	1	11010010.D	CLP2 0.32(mm)
CCV 280-198855/11		11/01/2013 13:11	1	11010011.D	CLP1 0.32(mm)
CCV 280-198855/11		11/01/2013 13:11	1		CLP2 0.32(mm)
CCV 280-198855/27		11/01/2013 17:53	1		CLP1 0.32(mm)
CCV 280-198855/27		11/01/2013 17:53	1		CLP2 0.32(mm)
CCV 280-198855/38		11/01/2013 20:54	1	11010038.D	CLP1 0.32(mm)
CCV 280-198855/38		11/01/2013 20:54	1	11010038.D	CLP2 0.32(mm)
CCV 280-198855/39		11/01/2013 21:10	1		CLP1 0.32(mm)
CCV 280-198855/39		11/01/2013 21:10	1		CLP2 0.32(mm)
CCV 280-198855/40		11/01/2013 21:27	1	11010040.D	CLP1 0.32(mm)
CCV 280-198855/40		11/01/2013 21:27	1		CLP2 0.32(mm)
MB 280-198319/1-A		11/01/2013 21:43	1	11010041.D	CLP1 0.32(mm)
MB 280-198319/1-A		11/01/2013 21:43	1	11010041.D	CLP2 0.32(mm)
LCS 280-198319/3-A		11/01/2013 22:00	1	11010042.D	CLP1 0.32(mm)
ZZZZZ		11/01/2013 22:00	1		CLP2 0.32(mm)
LCS 280-198319/2-A		11/01/2013 22:16	1	11010043.D	CLP1 0.32(mm)
LCS 280-198319/2-A		11/01/2013 22:16	1	11010043.D	CLP2 0.32(mm)
ZZZZZ		11/01/2013 22:32	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 22:32	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 22:49	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 22:49	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:05	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:05	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:22	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:22	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:38	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:38	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:55	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:55	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 00:11	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 00:11	1		CLP2 0.32(mm)
CCV 280-198855/51		11/02/2013 00:27	1	11010051.D	CLP1 0.32(mm)
CCV 280-198855/51		11/02/2013 00:27	1	11010051.D	CLP2 0.32(mm)
CCV 280-198855/52		11/02/2013 00:44	1		CLP1 0.32(mm)
CCV 280-198855/52		11/02/2013 00:44	1		CLP2 0.32(mm)
CCV 280-198855/53		11/02/2013 01:00	1	11010053.D	CLP1 0.32(mm)
CCV 280-198855/53		11/02/2013 01:00	1		CLP2 0.32(mm)
PEM 280-198855/54		11/02/2013 01:17	1	11010054.D	CLP1 0.32(mm)
PEM 280-198855/54		11/02/2013 01:17	1	11010054.D	CLP2 0.32(mm)
ZZZZZ		11/02/2013 01:33	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 01:33	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 01:49	1		CLP1 0.32(mm)

8081B

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 11/01/2013 12:06

Analysis Batch Number: 198855 End Date: 11/02/2013 04:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/02/2013 01:49	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:06	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:06	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:22	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:22	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:39	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:39	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:55	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:55	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 03:12	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 03:12	1		CLP2 0.32(mm)
280-48486-1	AOI474BF	11/02/2013 03:28	1	11010062.D	CLP1 0.32(mm)
280-48486-1	AOI474BF	11/02/2013 03:28	1	11010062.D	CLP2 0.32(mm)
CCV 280-198855/63		11/02/2013 03:44	1	11010063.D	CLP1 0.32(mm)
CCV 280-198855/63		11/02/2013 03:44	1		CLP2 0.32(mm)
CCV 280-198855/64		11/02/2013 04:01	1	11010064.D	CLP1 0.32(mm)
CCV 280-198855/64		11/02/2013 04:01	1	11010064.D	CLP2 0.32(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198319 Batch Start Date: 10/29/13 18:50 Batch Analyst: Pottruff, Erma J

Batch Method: 3546 Batch End Date: 10/30/13 11:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8081 LCS 00207	8081/82 Surr 00061	8081Toxaphene 00015	AnalysisComment
MB 280-198319/1		3546, 8081B		30.4 g	10000 uL		1 mL		
LCS 280-198319/2		3546, 8081B		30.0 g	10000 uL	1 mL	1 mL		81
LCS 280-198319/3		3546, 8081B		30.3 g	10000 uL		1 mL	1 mL	tox
280-48486-A-1	AOI474BF	3546, 8081B	T	30.1 g	10000 uL		1 mL		

Batch Notes	
Balance ID	24350888
Batch Comment	weighed by EJ filtered by EJ pip: OP-P1 (11.3)/ OP-P3 (2.00)
Person's name who did the concentration	Adams, A./ Scoles, B.
Exchange Solvent Lot #	Hexane_Cycl_00018
Exchange Solvent Name	Hexane
Final Concentrator Volume	10 mL
Florisil Lot #	930673; FlorisilSol_00046; By Adams, A.; pip: I (1mLx2)
MeCL2 Lot #	MeCl2_Cycl_00130
MeCl2/Acetone Lot #	1:1AceMeCl2_00034
Microwave Start Time	10/29/13 @ 1945
Microwave Stop Time	10/29/13 @ 2145
Na2SO4 Lot Number	K10624_0001
Ottawa Sand Lot #	2BI0314
Pipette ID	E
Person's name who did the prep	Erma P
SOP Number	DV OP 0015/0007
Person who witnessed spiking	BJ
Water Bath ID	A
Water Bath Temperature	88 (Obs: 87)

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP1 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
AOI474BF	280-48486-1	86	89
	MB 280-198319/1-A	84	102
	LCS 280-198319/4-A	86	104

	QC LIMITS
TCX = Tetrachloro-m-xylene	53-128
DCB = DCB Decachlorobiphenyl	60-125

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 11011324.D

Lab ID: LCS 280-198319/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	66.0	57.7	87	40-140	
PCB-1260	66.0	63.5	96	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: MB 280-198319/1-A

Matrix: Solid Date Extracted: 10/29/2013 18:50

Lab File ID:(1) 11011323.D Lab File ID:(2) 11011323.D

Date Analyzed:(1) 11/01/2013 16:40 Date Analyzed:(2) 11/01/2013 16:40

Instrument ID:(1) SGC_W Instrument ID:(2) SGC_W

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-198319/4-A	11/01/2013 17:03	11/01/2013 17:03
AOI474BF	280-48486-1	11/01/2013 21:42	11/01/2013 21:42

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198824/3 Date Analyzed: 11/01/2013 08:56

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 11011303.D Heated Purge: (Y/N) N

Calibration ID: 16055

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.00	13.31	
UPPER LIMIT				4.03	13.34	
LOWER LIMIT				3.97	13.28	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198824/3		11/01/2013 08:56	11011303.D	4.00	13.31	
CCV 280-198824/22		11/01/2013 16:17	11011322.D	3.99	13.31	
MB 280-198319/1-A		11/01/2013 16:40	11011323.D	3.99	13.30	
LCS 280-198319/4-A		11/01/2013 17:03	11011324.D	3.99	13.30	
280-48486-1	AOI474BF	11/01/2013 21:42	11011336.D	4.00	13.30	
CCV 280-198824/38		11/01/2013 22:28	11011338.D	4.00	13.31	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198824/3 Date Analyzed: 11/01/2013 08:56

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 11011303.D Heated Purge: (Y/N) N

Calibration ID: 16056

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.81	13.57	
UPPER LIMIT				3.84	13.60	
LOWER LIMIT				3.78	13.54	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198824/3		11/01/2013 08:56	11011303.D	3.81	13.57	
CCV 280-198824/22		11/01/2013 16:17	11011322.D	3.81	13.57	
CCV 280-198824/38		11/01/2013 22:28	11011338.D	3.81	13.57	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198319/4-A

Instrument ID (1): SGC_W Instrument ID (2): SGC_W

Date Analyzed (1): 11/01/2013 17:03 Date Analyzed (2): 11/01/2013 17:03

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	5.04	5.01	5.09	62.4	57.7	13.7
		2	5.75	5.71	5.79	57.2		
		3	5.96	5.92	6.00	56.1		
		4	6.05	6.02	6.10	51.5		
		5	6.62	6.58	6.66	61.3		
	2	1	4.48	4.45	4.53	66.2	66.2	
		2	5.06	5.02	5.10	66.2		
		3	5.73	5.69	5.77	63.6		
		4	5.94	5.90	5.98	70.7		
		5	6.26	6.22	6.30	64.1		
PCB-1260	1	1	8.68	8.64	8.72	63.4	63.5	13.4
		2	9.65	9.61	9.69	58.7		
		3	10.29	10.25	10.33	67.0		
		4	10.84	10.80	10.88	66.4		
		5	11.34	11.30	11.38	62.3		
	2	1	8.80	8.76	8.84	65.6	72.6	
		2	9.16	9.13	9.21	68.1		
		3	9.94	9.90	9.98	78.6		
		4	10.45	10.42	10.50	75.7		
		5	10.90	10.87	10.95	75.2		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: 11011336.D

Analysis Method: 8082A | Date Collected: 10/25/2013 11:00

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.1(g) | Date Analyzed: 11/01/2013 21:42

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198824 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	11	U	37	11	5.6
11104-28-2	PCB-1221	22	U	37	22	17
11141-16-5	PCB-1232	17	U	37	17	5.7
53469-21-9	PCB-1242	11	U	37	11	10
12672-29-6	PCB-1248	11	U	37	11	6.2
11097-69-1	PCB-1254	11	U	37	11	6.1
11096-82-5	PCB-1260	11	U	37	11	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		60-125
877-09-8	Tetrachloro-m-xylene	86		53-128

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011336.D		
Lims ID:	280-48486-A-1-A	Client ID:	AOI474BF
Inject. Date:	01-Nov-2013 21:42:14	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-48486-A-1-A		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	198824	Lims Sample ID:	36
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:46:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.997	4.000	-0.003	157667	17.1			
2	2	3.810	3.813	-0.003	128470	17.4			
						RPD = 2.00			
2 PCB-1221									
1	1		4.267						
1	2		4.470						
1	3		4.513						
2	4		4.267						
2	5		4.407						
2	6		4.533						
3 PCB-1232									
1	1		4.267						
1	2		4.513						
1	3		5.733						
1	4		5.970						
1	5		6.630						
2	6		4.267						
2	7		4.533						
2	8		5.743						
2	9		5.953						
2	10		6.883						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1		4.513						
1	2		5.037						
1	3		5.733						
1	4		5.967						
1	5		6.627						
2	6		4.533						
2	7		5.743						
2	8		5.953						
2	9		6.697						
2	10		6.883						
6 PCB-1248									
1	1		5.037						
1	2		5.733						
1	3		6.630						
1	4		7.140						
1	5		8.360						
2	6		5.083						
2	7		5.743						
2	8		6.883						
2	9		7.320						
2	10		7.360						
5 PCB-1016									
1	1		5.050						
1	2		5.753						
1	3		5.963						
1	4		6.060						
1	5		6.623						
2	6		4.487						
2	7		5.063						
2	8		5.733						
2	9		5.940						
2	10		6.263						
7 PCB-1254									
1	1		7.247						
1	2		8.183						
1	3		8.360						
1	4		9.163						
1	5		9.647						
2	6		7.360						
2	7		7.710						
2	8		8.463						
2	9		9.170						
2	10		9.783						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1		8.683						
1	2		9.653						
1	3		10.290						
1	4		10.843						
1	5		11.343						
2	6		8.800						
2	7		9.167						
2	8		9.943						
2	9		10.457						
2	10		10.907						
$ 13 DCB Decachlorobiphenyl									
1	1	13.303	13.310	-0.007	138925	17.7			
2	2	13.563	13.570	-0.007	93266	17.4			
						RPD = 1.69			

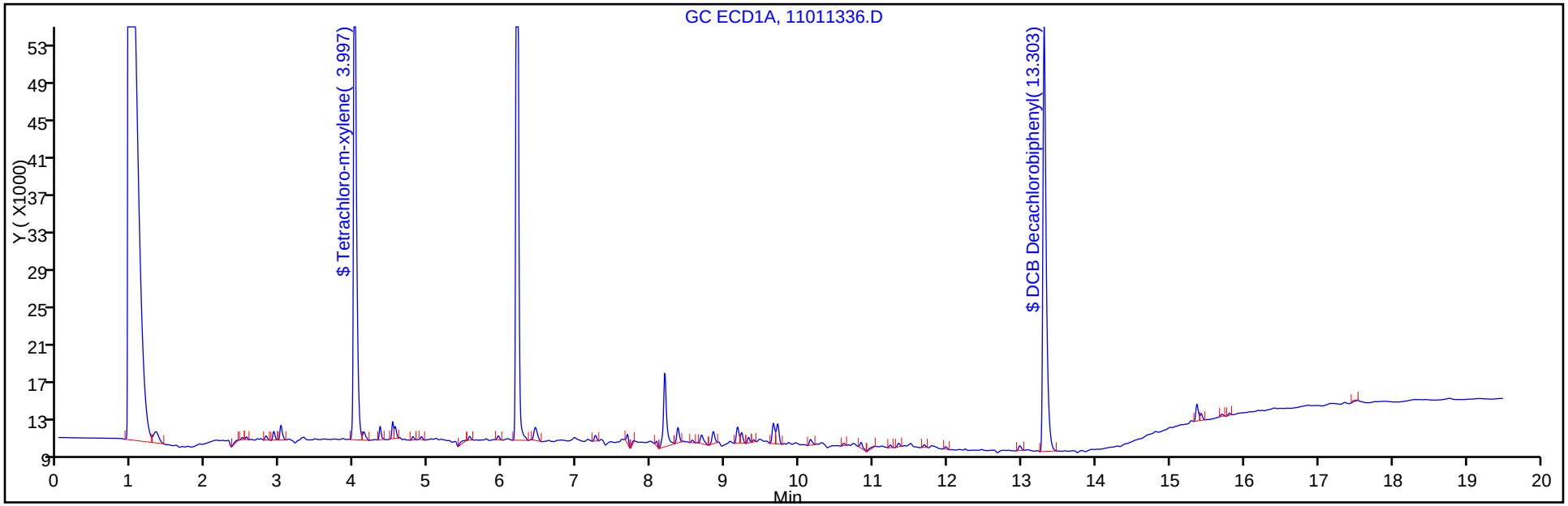
Report Date: 02-Nov-2013 08:48:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

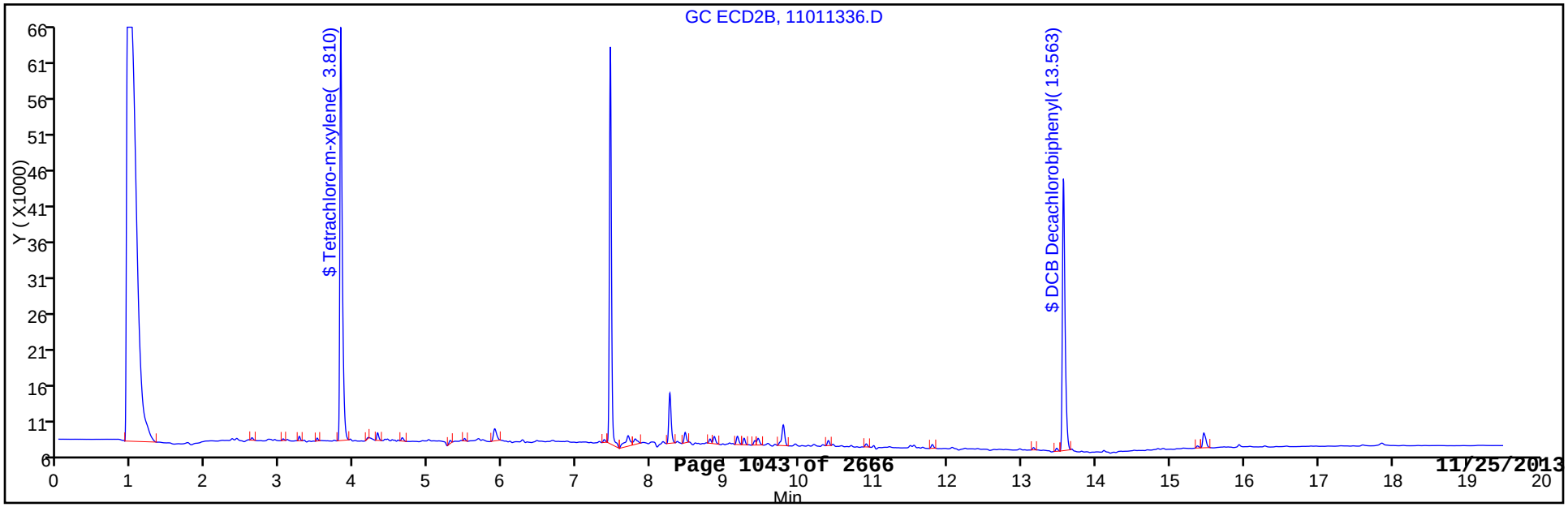
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011336.D

Injection Date:	01-Nov-2013 21:42:14	Limit Group:	GCSV - 8082
Client ID:	AOI474BF	Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16047

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1248 Peak 1	5.050	5.050	5.053	5.050	5.050	5.050	5.083				5.010 - 5.090	5.055
PCB-1248 Peak 2	5.757	5.757	5.757	5.757	5.757	5.757	5.790				5.717 - 5.797	5.762
PCB-1248 Peak 3	6.630	6.630	6.630	6.627	6.630	6.630	6.663				6.590 - 6.670	6.634
PCB-1248 Peak 4	7.183	7.183	7.183	7.180	7.180	7.180	7.213				7.140 - 7.220	7.186
PCB-1248 Peak 5	8.380	8.380	8.380	8.373	8.377	8.377	8.407				8.337 - 8.417	8.382

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16047

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1248 Peak 1	229.08 162.79	220.68 159.25	204.30 150.15	180.81	Lin1	2882.47885	154.466784							0.9960		0.9900
PCB-1248 Peak 2	472.36 369.34	457.72 371.82	427.94 356.87	397.11	Lin1	4061.37778	362.144058							0.9990		0.9900
PCB-1248 Peak 3	673.72 406.20	600.00 402.89	520.74 383.63	454.75	Lin1	9322.47750	387.381180							0.9970		0.9900
PCB-1248 Peak 4	239.28 186.65	233.58 189.52	224.99 181.36	203.54	Lin1	2164.57264	184.196258							0.9980		0.9900
PCB-1248 Peak 5	253.32 212.01	251.42 216.49	259.03 209.43	228.84	Lin1	1887.08181	211.816608							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16047

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin1	5727 119435	11034 150151	20430	45203	81396	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 2	Lin1	11809 278864	22886 356867	42794	99277	184668	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 3	Lin1	16843 302166	30000 383631	52074	113687	203101	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 4	Lin1	5982 142140	11679 181364	22499	50886	93327	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 5	Lin1	6333 162371	12571 209427	25903	57209	106005	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251301.D		
Lims ID:	STDL71248	Client ID:	
Inject. Date:	25-Oct-2013 14:57:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL71248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	197868	Lims Sample ID:	1
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:35	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:27:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.083	5.050	0.033	150151	953.4		100.0	
1	2	5.790	5.757	0.033	356867	974.2	186.9- 266.9	237.7	
1	3	6.663	6.630	0.033	383631	966.3	209.5- 289.5	255.5	
1	4	7.213	7.180	0.033	181364	972.9	74.7- 154.7	120.8	A
1	5	8.407	8.377	0.030	209427	979.8	90.2- 170.2	139.5	
			Average of Peak Amounts =			969.3			
2	6	5.083	5.073	0.010	122411	951.4		100.0	
2	7	5.753	5.747	0.006	282197	976.4	177.5- 257.5	230.5	
2	8	6.903	6.893	0.010	248653	979.4	151.9- 231.9	203.1	
2	9	7.330	7.320	0.010	237082	979.1	145.1- 225.1	193.7	
2	10	7.400	7.390	0.010	293006	982.2	189.2- 269.2	239.4	
			Average of Peak Amounts =			973.7			
						RPD = 0.45			
S 15 Polychlorinated biphenyls, Total									
1						969.3			
2						973.7			
						RPD = 0.45			

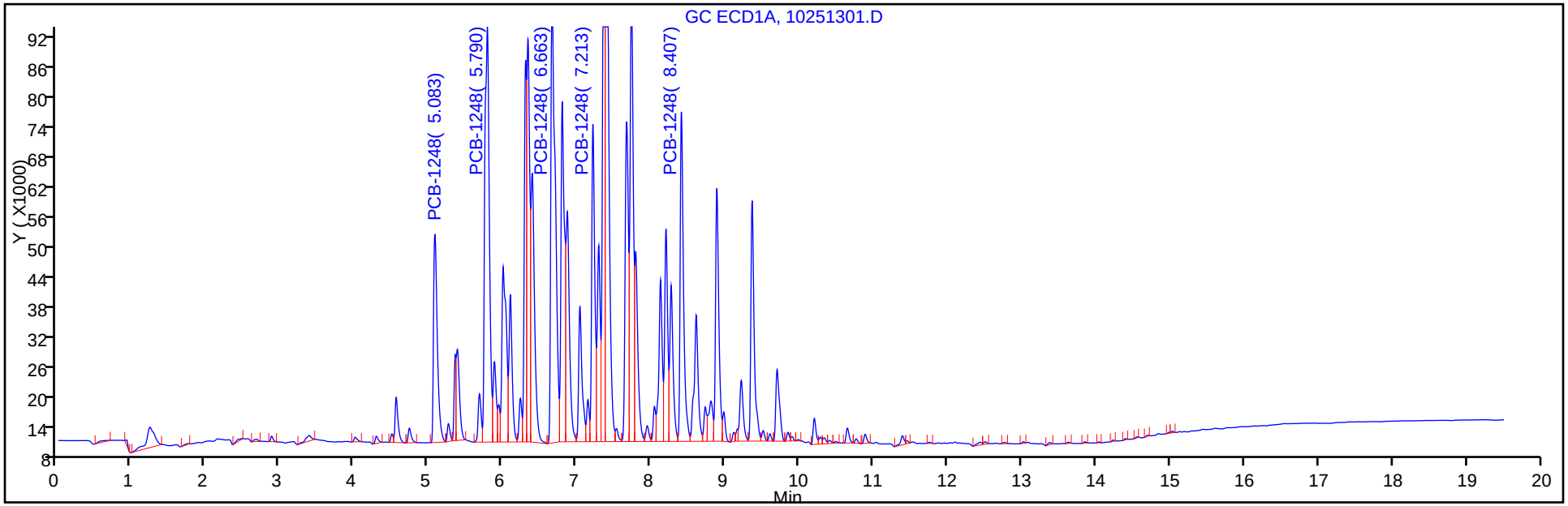
Report Date: 29-Oct-2013 12:13:35 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

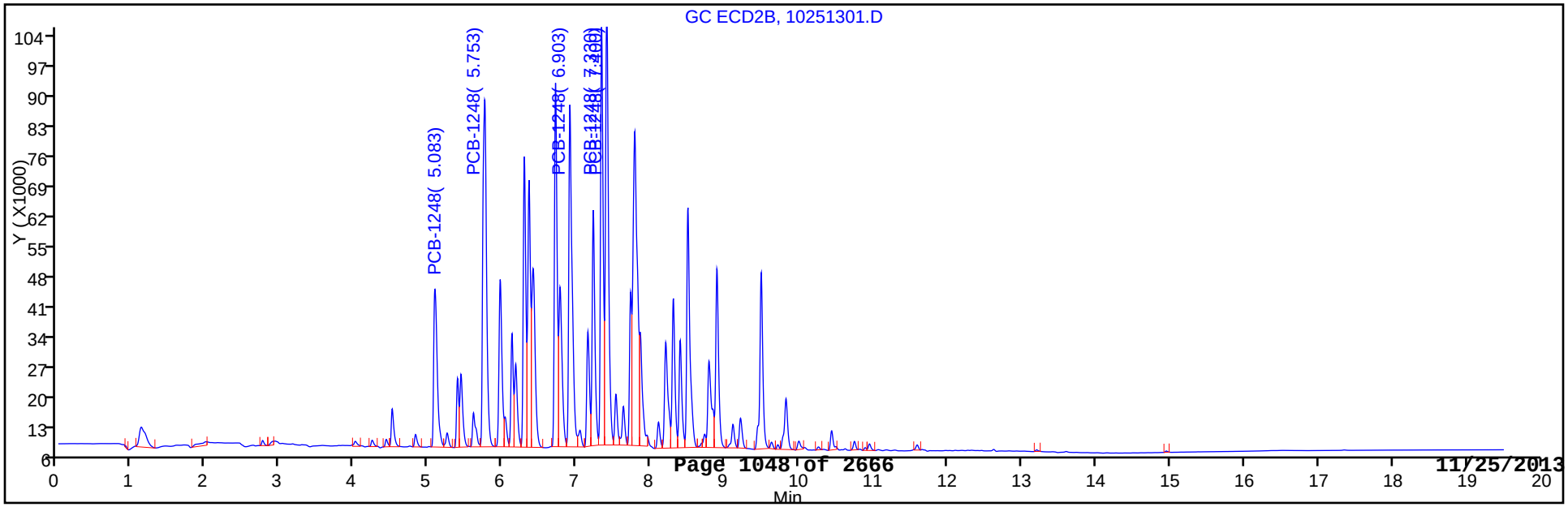
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251301.D

Injection Date:	25-Oct-2013 14:57:12	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	1
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251302.D		
Lims ID:	STDL61248	Client ID:	
Inject. Date:	25-Oct-2013 15:20:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STDL61248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	197868	Lims Sample ID:	2
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:34	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	119435	754.5		100.0	
1	2	5.757	5.757	0.000	278864	758.8	186.9- 266.9	233.5	
1	3	6.630	6.630	0.000	302166	756.0	209.5- 289.5	253.0	
1	4	7.180	7.180	0.000	142140	759.9	74.7- 154.7	119.0	
1	5	8.377	8.377	0.000	162371	757.7	90.2- 170.2	135.9	
			Average of Peak Amounts =			757.4			
2	6	5.073	5.073	0.000	98079	756.8		100.0	
2	7	5.747	5.747	0.000	219730	756.3	177.5- 257.5	224.0	
2	8	6.893	6.893	0.000	193066	756.7	151.9- 231.9	196.8	
2	9	7.320	7.320	0.000	185233	760.7	145.1- 225.1	188.9	
2	10	7.390	7.390	0.000	227181	756.2	189.2- 269.2	231.6	
			Average of Peak Amounts =			757.3			
						RPD = 0.01			
S 15 Polychlorinated biphenyls, Total									
1						757.4			
2						757.3			
						RPD = 0.01			

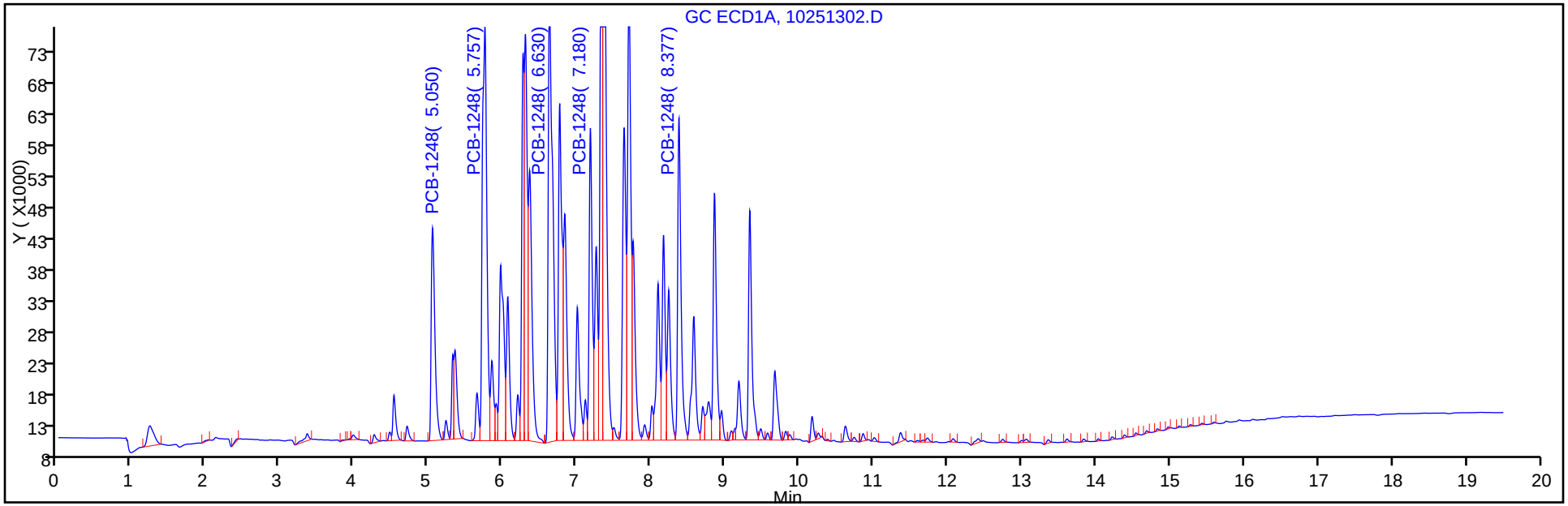
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TestAmerica Denver

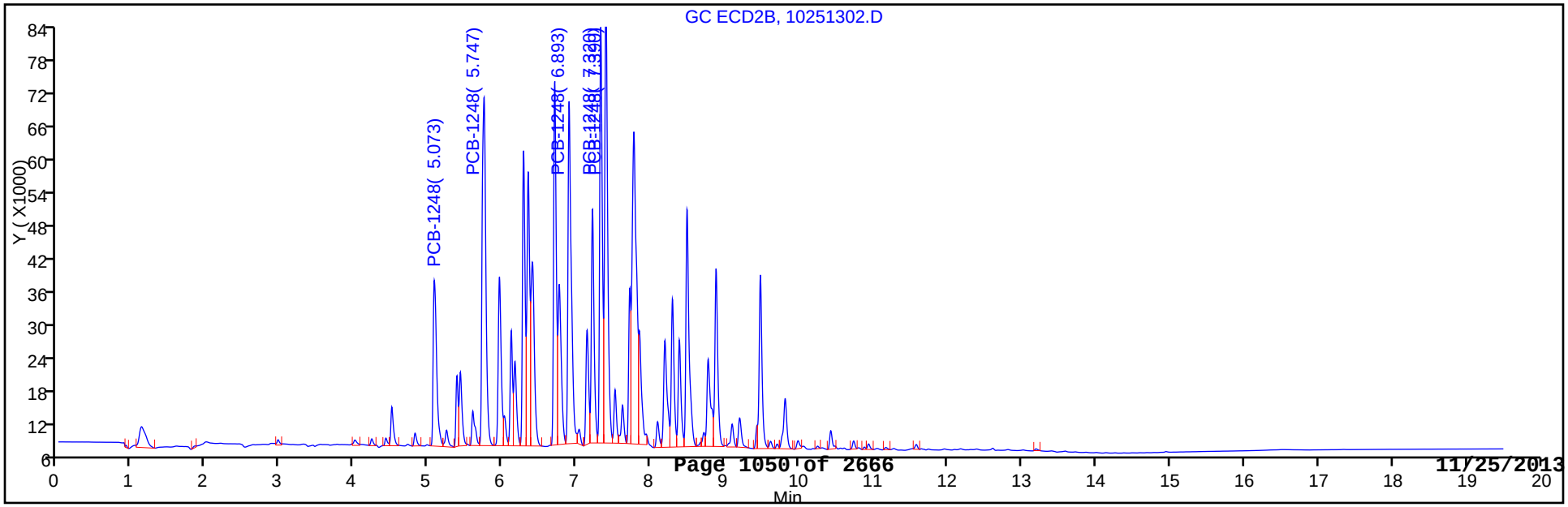
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251302.D

Injection Date:	25-Oct-2013 15:20:15	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	2
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D		
Lims ID:	STDL51248	Client ID:	
Inject. Date:	25-Oct-2013 15:43:29	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	197868	Lims Sample ID:	3
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:33	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:14:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	81396	508.3		100.0	
1	2	5.757	5.757	0.000	184668	498.7	186.9- 266.9	226.9	
1	3	6.630	6.630	0.000	203101	500.2	209.5- 289.5	249.5	
1	4	7.180	7.180	0.000	93327	494.9	74.7- 154.7	114.7	
1	5	8.377	8.377	0.000	106005	491.5	90.2- 170.2	130.2	
			Average of Peak Amounts =			498.7			
2	6	5.073	5.073	0.000	66811	506.7		100.0	
2	7	5.747	5.747	0.000	145297	494.1	177.5- 257.5	217.5	
2	8	6.893	6.893	0.000	128242	496.9	151.9- 231.9	191.9	
2	9	7.320	7.320	0.000	123683	501.4	145.1- 225.1	185.1	
2	10	7.390	7.390	0.000	153142	501.9	189.2- 269.2	229.2	
			Average of Peak Amounts =			500.2			
						RPD = 0.30			
S 15 Polychlorinated biphenyls, Total									
1						498.7			
2						500.2			
						RPD = 0.30			

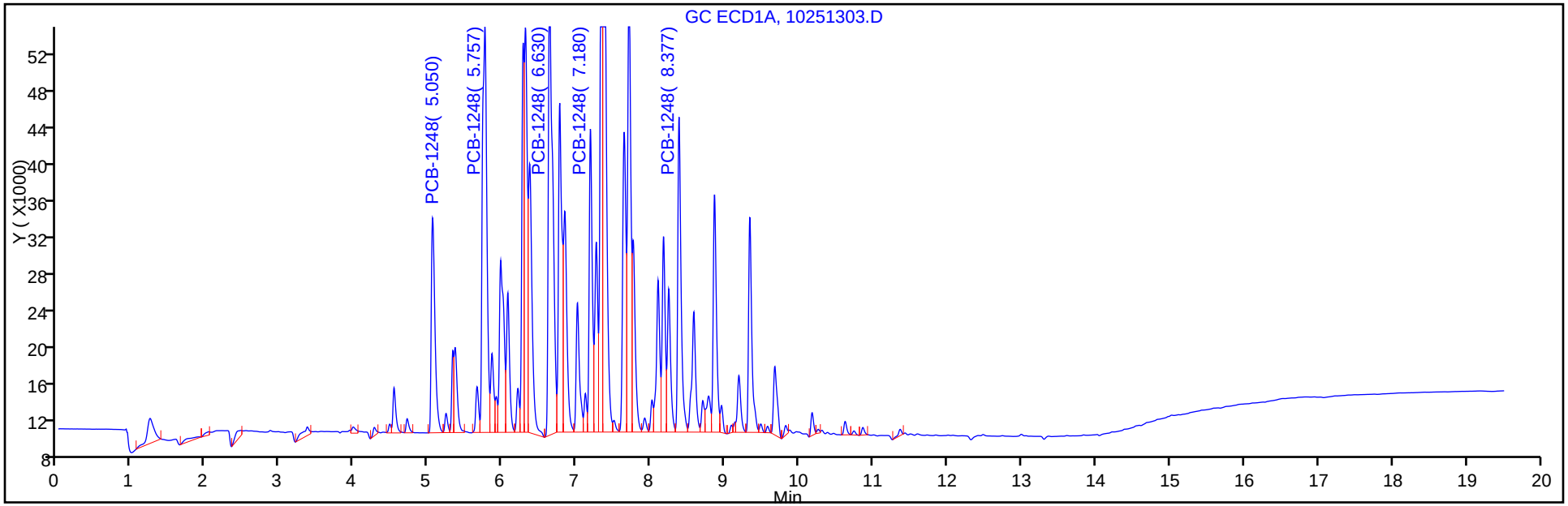
Report Date: 29-Oct-2013 12:13:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

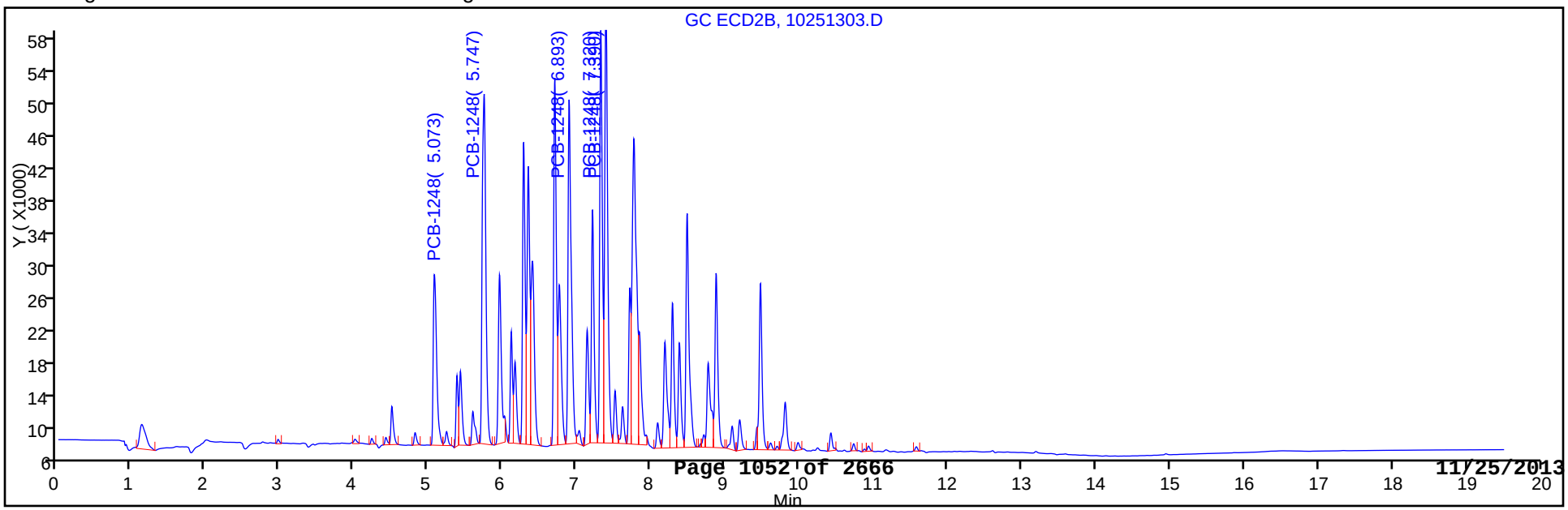
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D

Injection Date:	25-Oct-2013 15:43:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251304.D		
Lims ID:	STDL41248	Client ID:	
Inject. Date:	25-Oct-2013 16:06:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL41248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	197868	Lims Sample ID:	4
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:32	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	45203	274.0		100.0	
1	2	5.757	5.757	0.000	99277	262.9	186.9- 266.9	219.6	
1	3	6.627	6.630	-0.003	113687	269.4	209.5- 289.5	251.5	
1	4	7.180	7.180	0.000	50886	264.5	74.7- 154.7	112.6	
1	5	8.373	8.377	-0.004	57209	261.2	90.2- 170.2	126.6	
			Average of Peak Amounts =			266.4			
2	6	5.073	5.073	0.000	37821	274.8		100.0	
2	7	5.747	5.747	0.000	80457	265.7	177.5- 257.5	212.7	
2	8	6.893	6.893	0.000	68903	259.2	151.9- 231.9	182.2	
2	9	7.320	7.320	0.000	63051	246.0	145.1- 225.1	166.7	
2	10	7.390	7.390	0.000	79167	247.9	189.2- 269.2	209.3	
			Average of Peak Amounts =			258.7			
						RPD = 2.92			
S 15 Polychlorinated biphenyls, Total									
1						266.4			
2						258.7			
						RPD = 2.92			

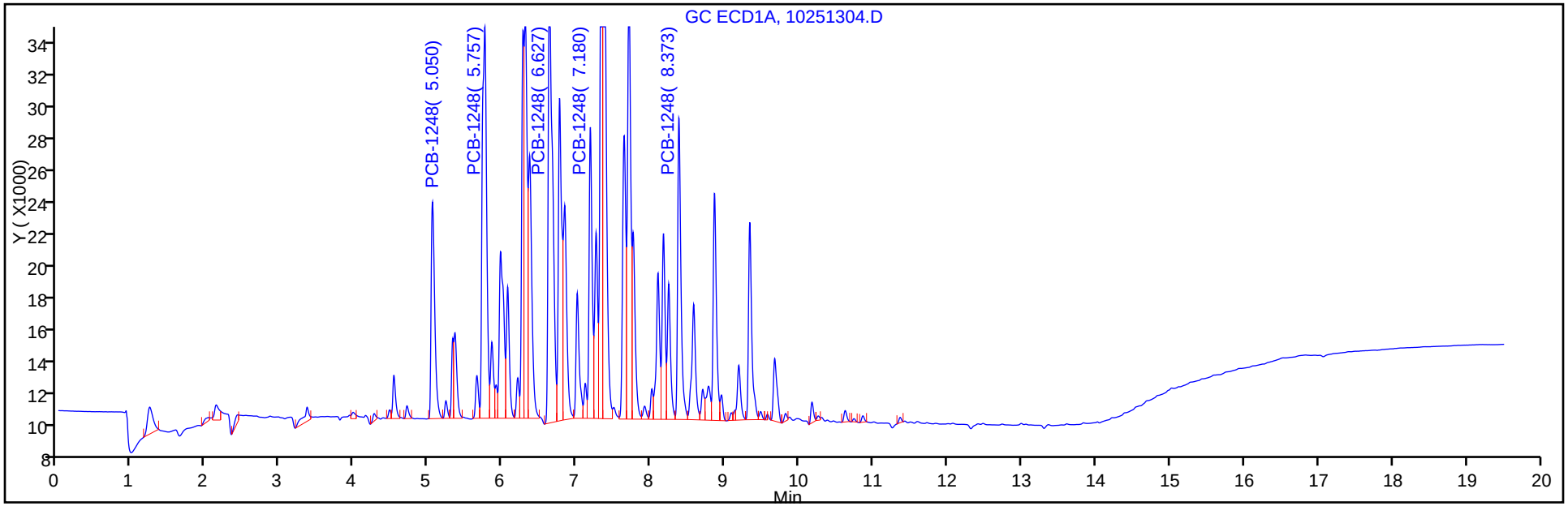
Report Date: 29-Oct-2013 12:13:32 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

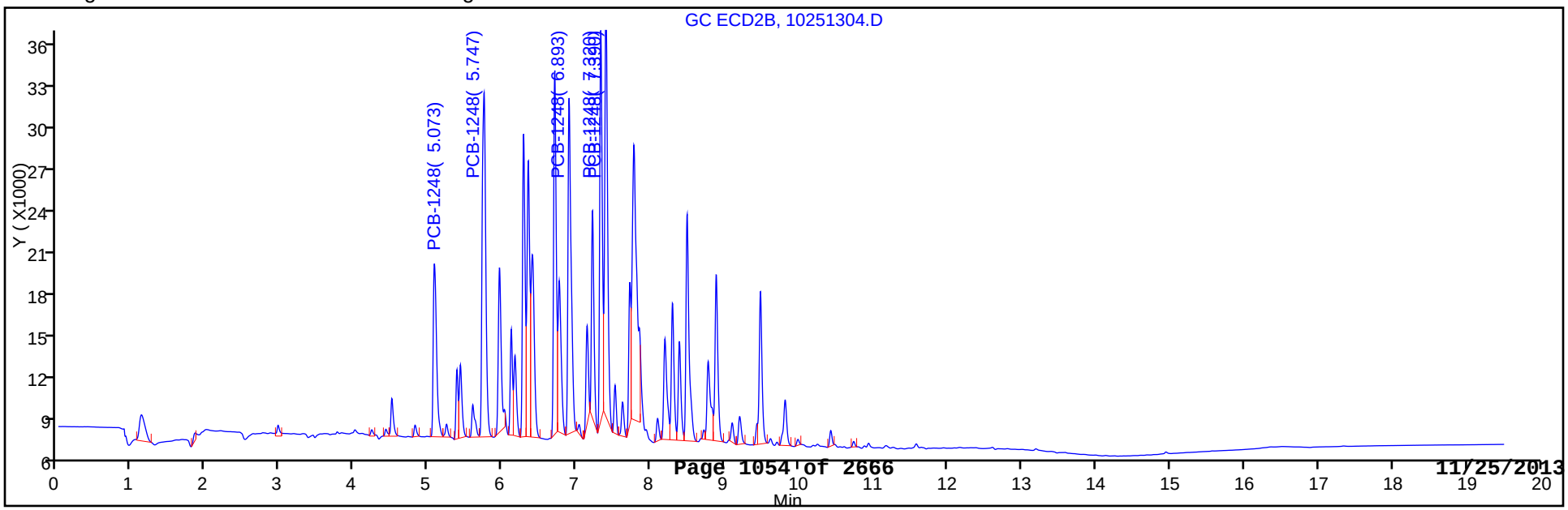
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251304.D

Injection Date:	25-Oct-2013 16:06:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	4
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251305.D		
Lims ID:	STDL31248	Client ID:	
Inject. Date:	25-Oct-2013 16:29:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	197868	Lims Sample ID:	5
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:31	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.053	5.050	0.003	20430	113.6		100.0	
1	2	5.757	5.757	0.000	42794	107.0	186.9- 266.9	209.5	
1	3	6.630	6.630	0.000	52074	110.4	209.5- 289.5	254.9	
1	4	7.183	7.180	0.003	22499	110.4	74.7- 154.7	110.1	
1	5	8.380	8.377	0.003	25903	113.4	90.2- 170.2	126.8	
			Average of Peak Amounts =			110.9			
2	6	5.077	5.073	0.004	17722	114.0		100.0	
2	7	5.747	5.747	0.000	36032	109.2	177.5- 257.5	203.3	
2	8	6.893	6.893	0.000	31501	109.3	151.9- 231.9	177.8	
2	9	7.323	7.320	0.003	31813	114.5	145.1- 225.1	179.5	
2	10	7.393	7.390	0.003	39991	113.3	189.2- 269.2	225.7	
			Average of Peak Amounts =			112.1			
						RPD = 1.02			
S 15 Polychlorinated biphenyls, Total									
1						110.9			
2						112.1			
						RPD = 1.02			

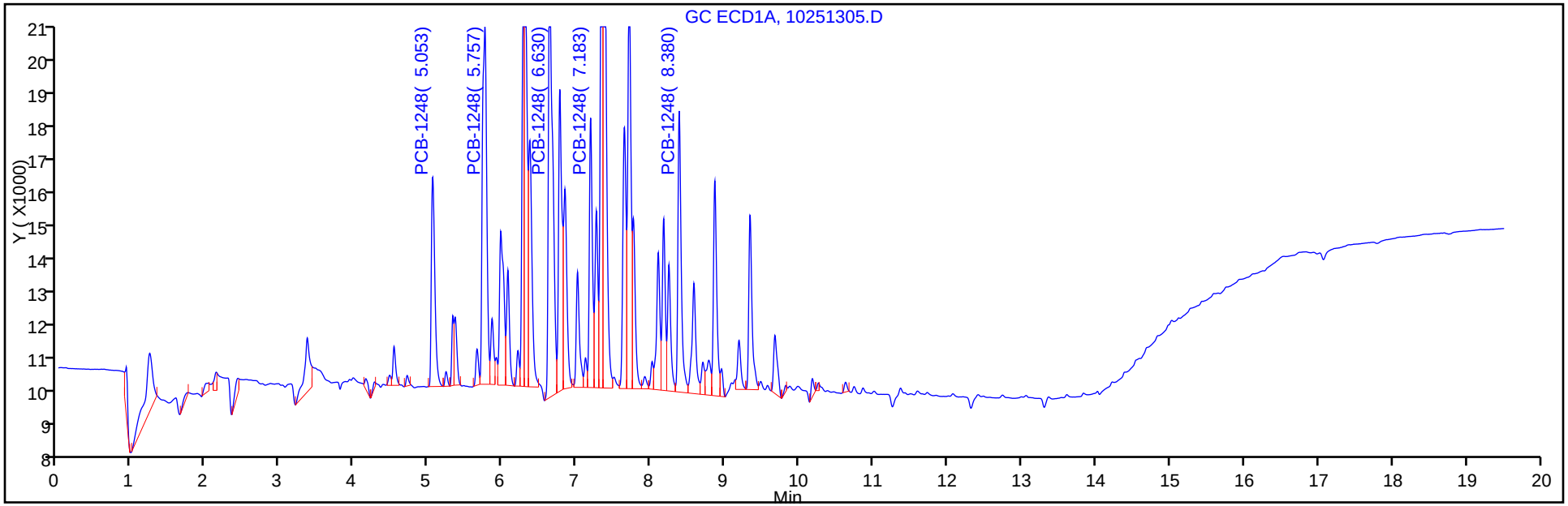
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TestAmerica Denver

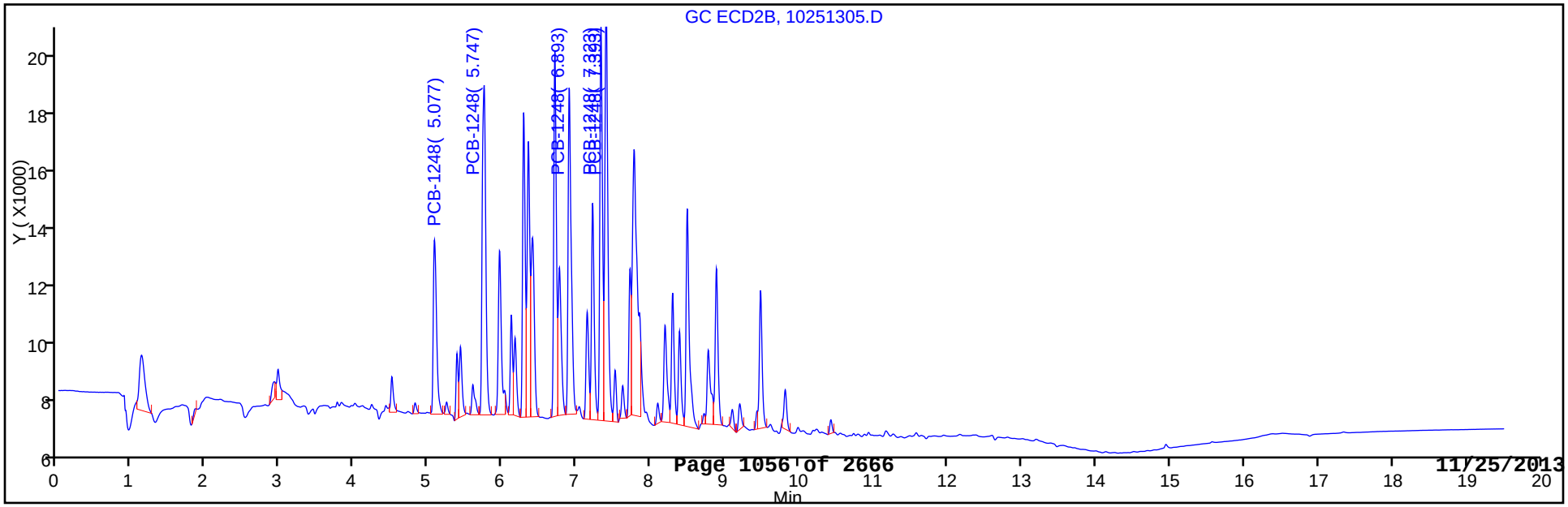
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Injection Date:	25-Oct-2013 16:29:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	5
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251306.D		
Lims ID:	STDL21248	Client ID:	
Inject. Date:	25-Oct-2013 16:53:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STDL21248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	197868	Lims Sample ID:	6
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:30	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	11034	52.8		100.0	
1	2	5.757	5.757	0.000	22886	52.0	186.9- 266.9	207.4	
1	3	6.630	6.630	0.000	30000	53.4	209.5- 289.5	271.9	
1	4	7.183	7.180	0.003	11679	51.7	74.7- 154.7	105.8	
1	5	8.380	8.377	0.003	12571	50.4	90.2- 170.2	113.9	
			Average of Peak Amounts =			52.0			
2	6	5.077	5.073	0.004	10159	53.5		100.0	
2	7	5.743	5.747	-0.004	20016	52.8	177.5- 257.5	197.0	
2	8	6.893	6.893	0.000	17321	52.5	151.9- 231.9	170.5	
2	9	7.323	7.320	0.003	17193	52.9	145.1- 225.1	169.2	
2	10	7.393	7.390	0.003	22416	53.0	189.2- 269.2	220.7	
			Average of Peak Amounts =			52.9			
						RPD = 1.71			
S 15 Polychlorinated biphenyls, Total									
1						52.0			
2						52.9			
						RPD = 1.71			

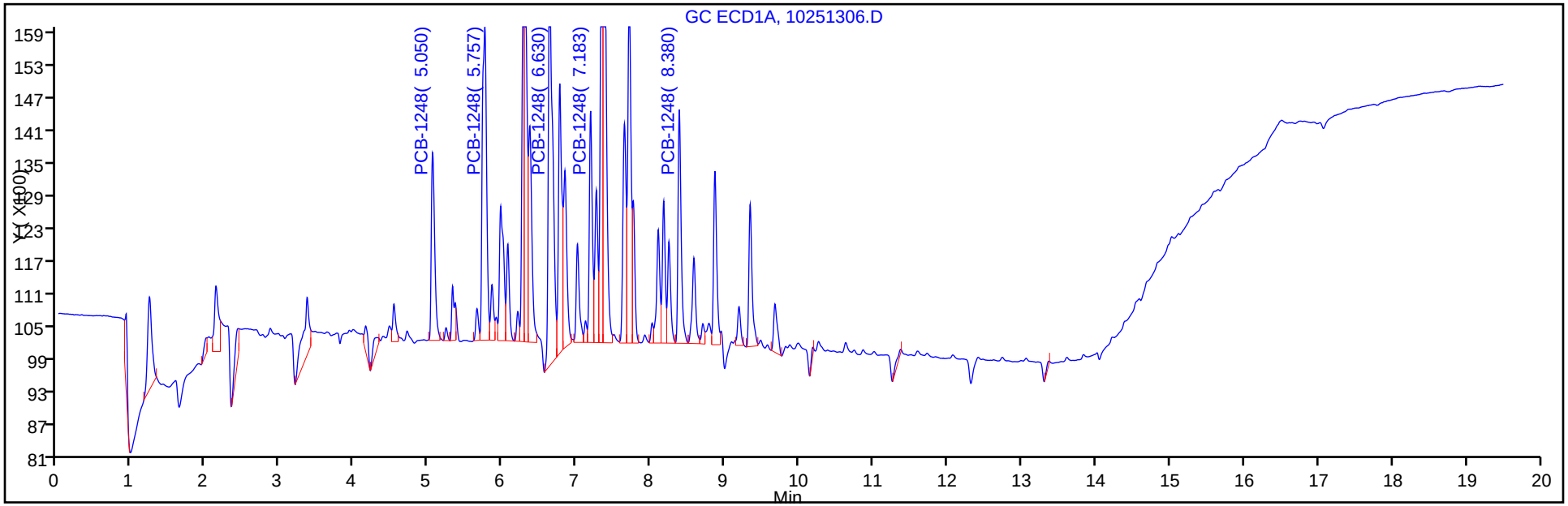
Report Date: 29-Oct-2013 12:13:31 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

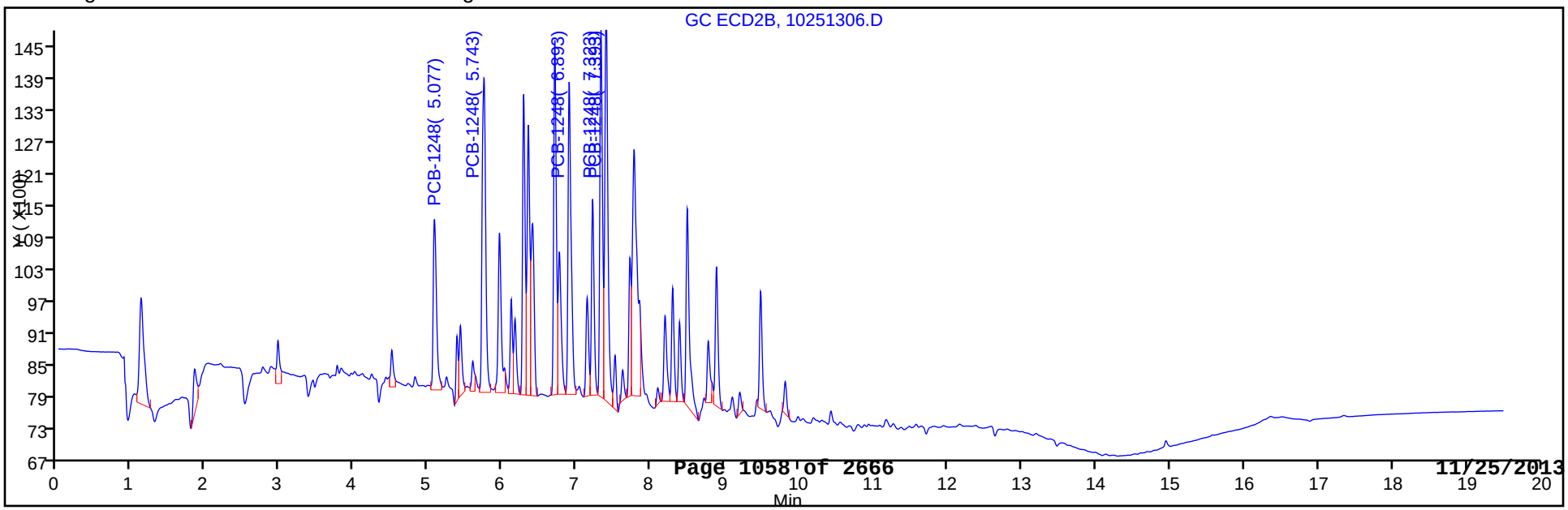
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251306.D

Injection Date:	25-Oct-2013 16:53:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	6
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251307.D		
Lims ID:	STDL11248	Client ID:	
Inject. Date:	25-Oct-2013 17:16:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	197868	Lims Sample ID:	7
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:29	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	5727	18.4		100.0	
1	2	5.757	5.757	0.000	11809	21.4	186.9- 266.9	206.2	
1	3	6.630	6.630	0.000	16843	19.4	209.5- 289.5	294.1	
1	4	7.183	7.180	0.003	5982	20.7	74.7- 154.7	104.5	
1	5	8.380	8.377	0.003	6333	21.0	90.2- 170.2	110.6	
			Average of Peak Amounts =			20.2			
2	6	5.077	5.073	0.004	5708	17.9		100.0	
2	7	5.747	5.747	0.000	10809	20.4	177.5- 257.5	189.4	
2	8	6.897	6.893	0.004	9433	20.9	151.9- 231.9	165.3	
2	9	7.327	7.320	0.007	9491	20.4	145.1- 225.1	166.3	
2	10	7.397	7.390	0.007	12967	20.5	189.2- 269.2	227.2	
			Average of Peak Amounts =			20.0			
						RPD = 0.74			
S 15 Polychlorinated biphenyls, Total									
1						20.2			
2						20.0			
						RPD = 0.74			

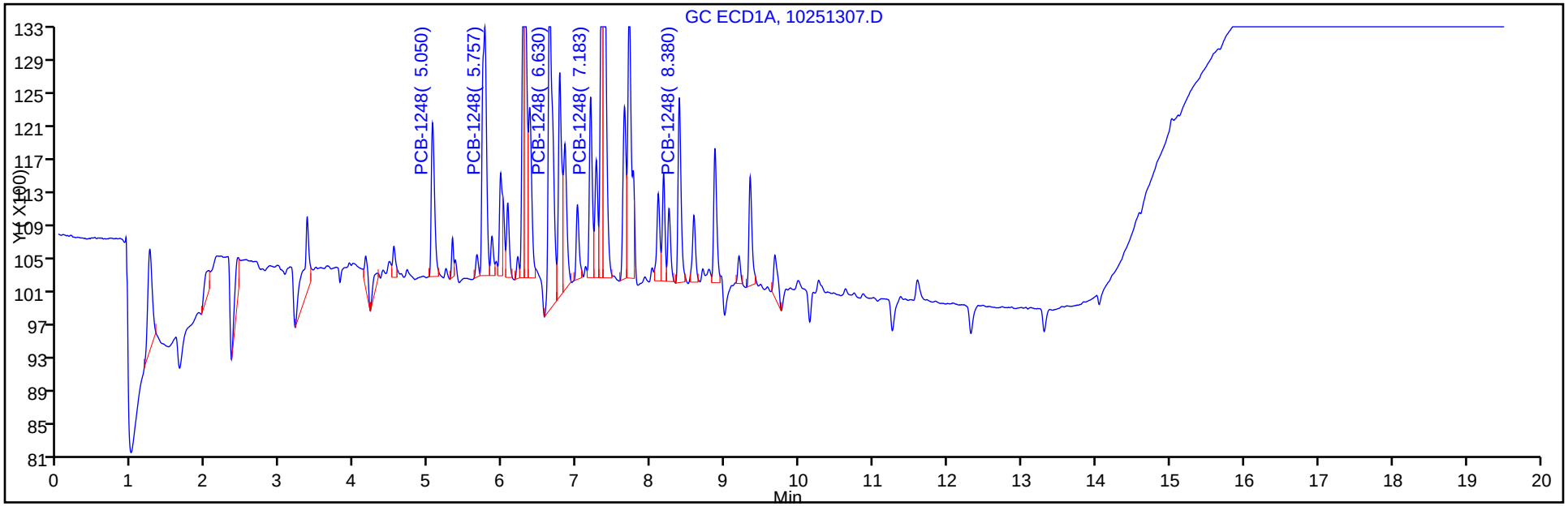
Report Date: 29-Oct-2013 12:13:29 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

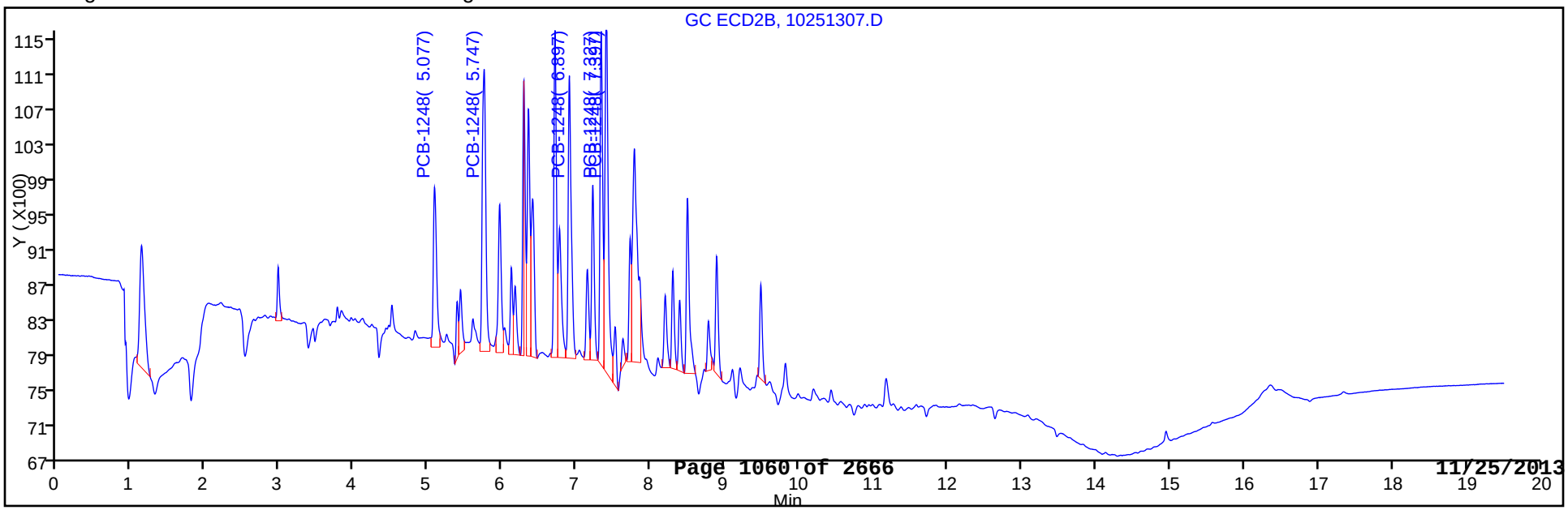
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Injection Date:	25-Oct-2013 17:16:05	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	7
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1248 Peak 1	5.077	5.077	5.077	5.073	5.073	5.073	5.083				5.033 - 5.113	5.076
PCB-1248 Peak 2	5.747	5.743	5.747	5.747	5.747	5.747	5.753				5.707 - 5.787	5.747
PCB-1248 Peak 3	6.897	6.893	6.893	6.893	6.893	6.893	6.903				6.853 - 6.933	6.895
PCB-1248 Peak 4	7.327	7.323	7.323	7.320	7.320	7.320	7.330				7.280 - 7.360	7.323
PCB-1248 Peak 5	7.397	7.393	7.393	7.390	7.390	7.390	7.400				7.350 - 7.430	7.393

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1248 Peak 1	228.32 133.62	203.18 130.77	177.22 122.41	151.28	Lin1	3467.86655	125.022779							0.9960		0.9900
PCB-1248 Peak 2	432.36 290.59	400.32 292.97	360.32 282.20	321.83	Lin1	5022.48736	283.880594							0.9980		0.9900
PCB-1248 Peak 3	377.32 256.48	346.42 257.42	315.01 248.65	275.61	Lin1	4210.30195	249.587621							0.9990		0.9900
PCB-1248 Peak 4	379.64 247.37	343.86 246.98	318.13 237.08	252.20	Lin1	4638.96216	237.410566							0.9980		0.9900
PCB-1248 Peak 5	518.68 306.28	448.32 302.91	399.91 293.01	316.67	Lin1	6987.97280	291.197828							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin1	5708 98079	10159 122411	17722	37821	66811	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 2	Lin1	10809 219730	20016 282197	36032	80457	145297	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 3	Lin1	9433 193066	17321 248653	31501	68903	128242	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 4	Lin1	9491 185233	17193 237082	31813	63051	123683	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 5	Lin1	12967 227181	22416 293006	39991	79167	153142	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251301.D		
Lims ID:	STDL71248	Client ID:	
Inject. Date:	25-Oct-2013 14:57:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL71248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	197868	Lims Sample ID:	1
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:35	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:27:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.083	5.050	0.033	150151	953.4		100.0	
1	2	5.790	5.757	0.033	356867	974.2	186.9- 266.9	237.7	
1	3	6.663	6.630	0.033	383631	966.3	209.5- 289.5	255.5	
1	4	7.213	7.180	0.033	181364	972.9	74.7- 154.7	120.8	A
1	5	8.407	8.377	0.030	209427	979.8	90.2- 170.2	139.5	
			Average of Peak Amounts =			969.3			
2	6	5.083	5.073	0.010	122411	951.4		100.0	
2	7	5.753	5.747	0.006	282197	976.4	177.5- 257.5	230.5	
2	8	6.903	6.893	0.010	248653	979.4	151.9- 231.9	203.1	
2	9	7.330	7.320	0.010	237082	979.1	145.1- 225.1	193.7	
2	10	7.400	7.390	0.010	293006	982.2	189.2- 269.2	239.4	
			Average of Peak Amounts =			973.7			
						RPD = 0.45			
S 15 Polychlorinated biphenyls, Total									
1						969.3			
2						973.7			
						RPD = 0.45			

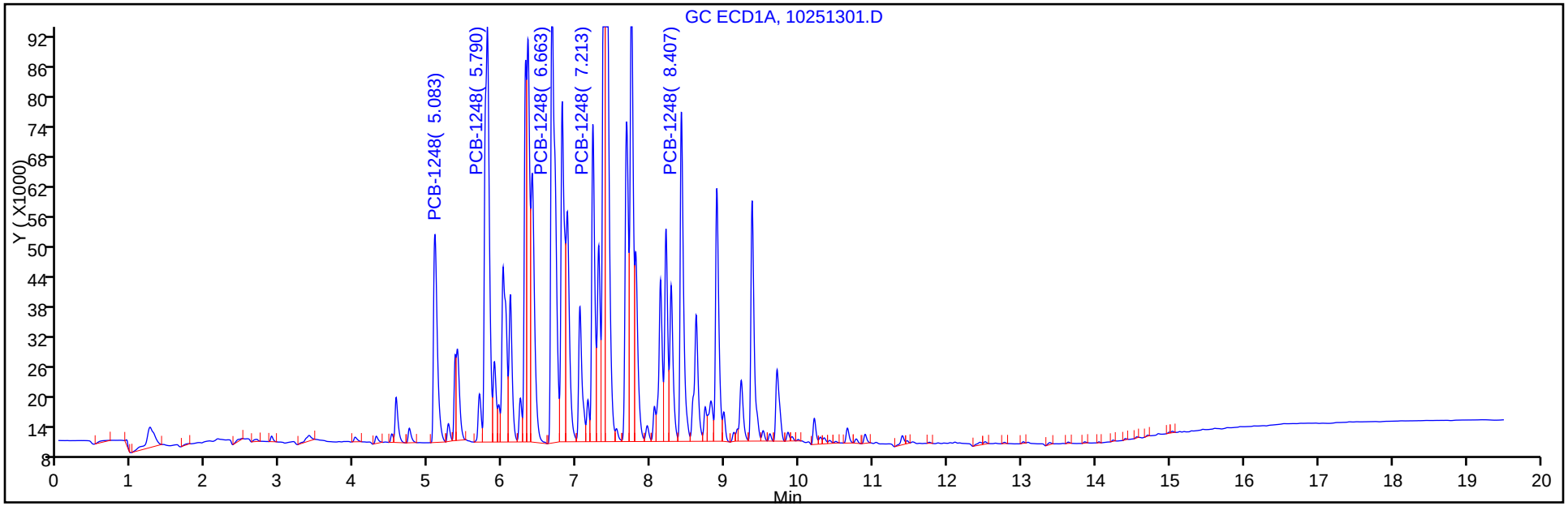
Report Date: 29-Oct-2013 12:13:35 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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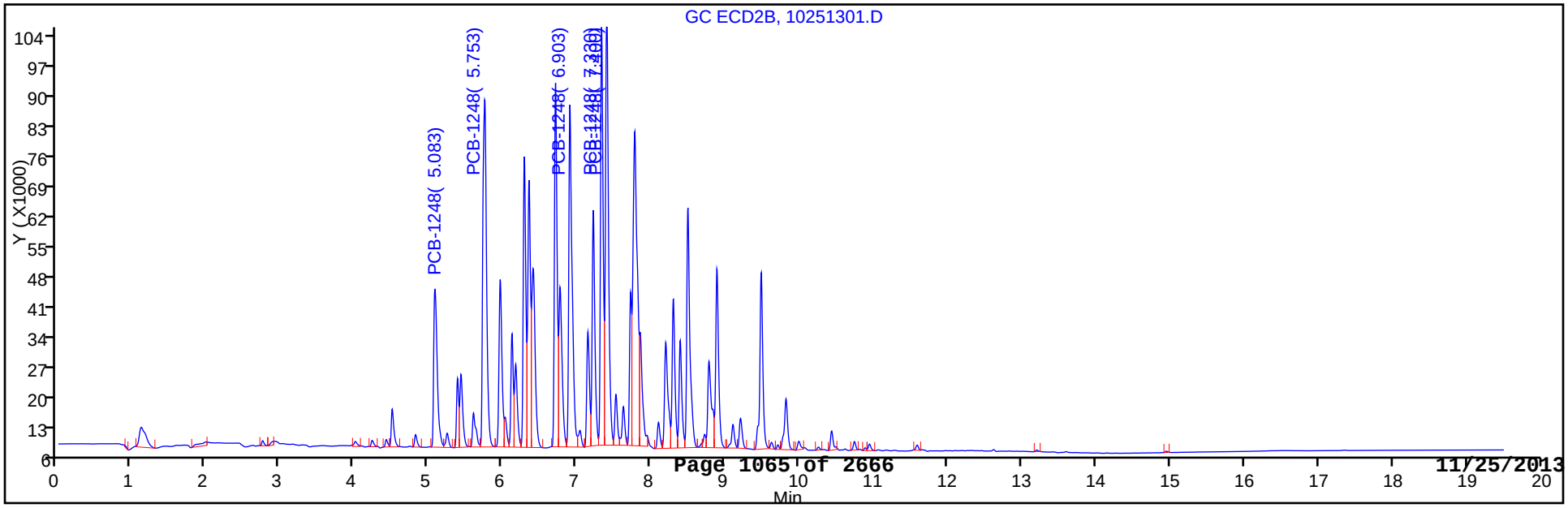
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251301.D

Injection Date:	25-Oct-2013 14:57:12	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	1
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251302.D		
Lims ID:	STDL61248	Client ID:	
Inject. Date:	25-Oct-2013 15:20:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STDL61248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	197868	Lims Sample ID:	2
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:34	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	119435	754.5		100.0	
1	2	5.757	5.757	0.000	278864	758.8	186.9- 266.9	233.5	
1	3	6.630	6.630	0.000	302166	756.0	209.5- 289.5	253.0	
1	4	7.180	7.180	0.000	142140	759.9	74.7- 154.7	119.0	
1	5	8.377	8.377	0.000	162371	757.7	90.2- 170.2	135.9	
			Average of Peak Amounts =			757.4			
2	6	5.073	5.073	0.000	98079	756.8		100.0	
2	7	5.747	5.747	0.000	219730	756.3	177.5- 257.5	224.0	
2	8	6.893	6.893	0.000	193066	756.7	151.9- 231.9	196.8	
2	9	7.320	7.320	0.000	185233	760.7	145.1- 225.1	188.9	
2	10	7.390	7.390	0.000	227181	756.2	189.2- 269.2	231.6	
			Average of Peak Amounts =			757.3			
						RPD = 0.01			
S 15 Polychlorinated biphenyls, Total									
1						757.4			
2						757.3			
						RPD = 0.01			

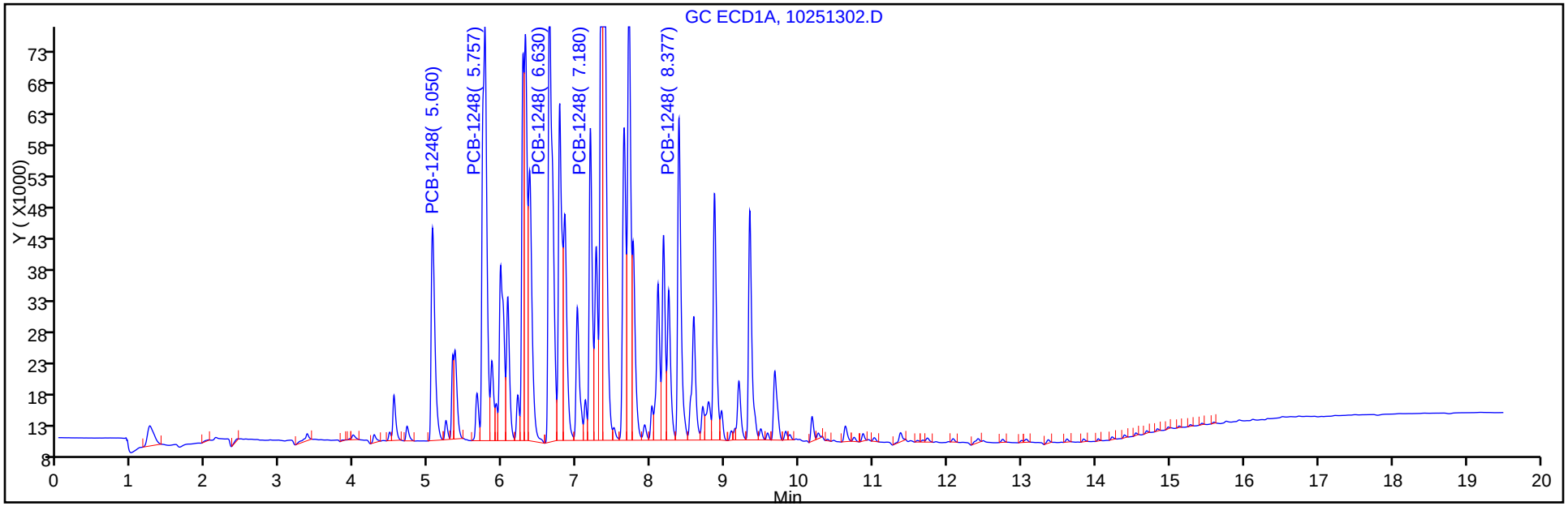
Report Date: 29-Oct-2013 12:13:34 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

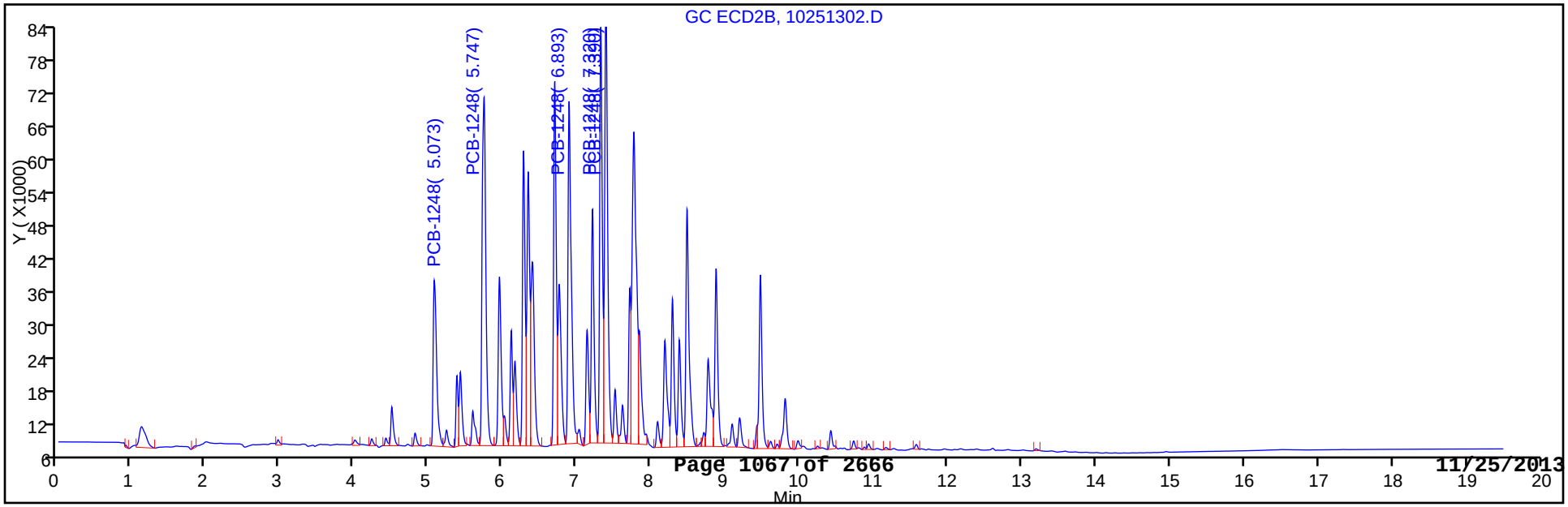
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251302.D

Injection Date:	25-Oct-2013 15:20:15	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	2
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D		
Lims ID:	STDL51248	Client ID:	
Inject. Date:	25-Oct-2013 15:43:29	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	197868	Lims Sample ID:	3
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:33	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:14:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	81396	508.3		100.0	
1	2	5.757	5.757	0.000	184668	498.7	186.9- 266.9	226.9	
1	3	6.630	6.630	0.000	203101	500.2	209.5- 289.5	249.5	
1	4	7.180	7.180	0.000	93327	494.9	74.7- 154.7	114.7	
1	5	8.377	8.377	0.000	106005	491.5	90.2- 170.2	130.2	
			Average of Peak Amounts =			498.7			
2	6	5.073	5.073	0.000	66811	506.7		100.0	
2	7	5.747	5.747	0.000	145297	494.1	177.5- 257.5	217.5	
2	8	6.893	6.893	0.000	128242	496.9	151.9- 231.9	191.9	
2	9	7.320	7.320	0.000	123683	501.4	145.1- 225.1	185.1	
2	10	7.390	7.390	0.000	153142	501.9	189.2- 269.2	229.2	
			Average of Peak Amounts =			500.2			
						RPD = 0.30			
S 15 Polychlorinated biphenyls, Total									
1						498.7			
2						500.2			
						RPD = 0.30			

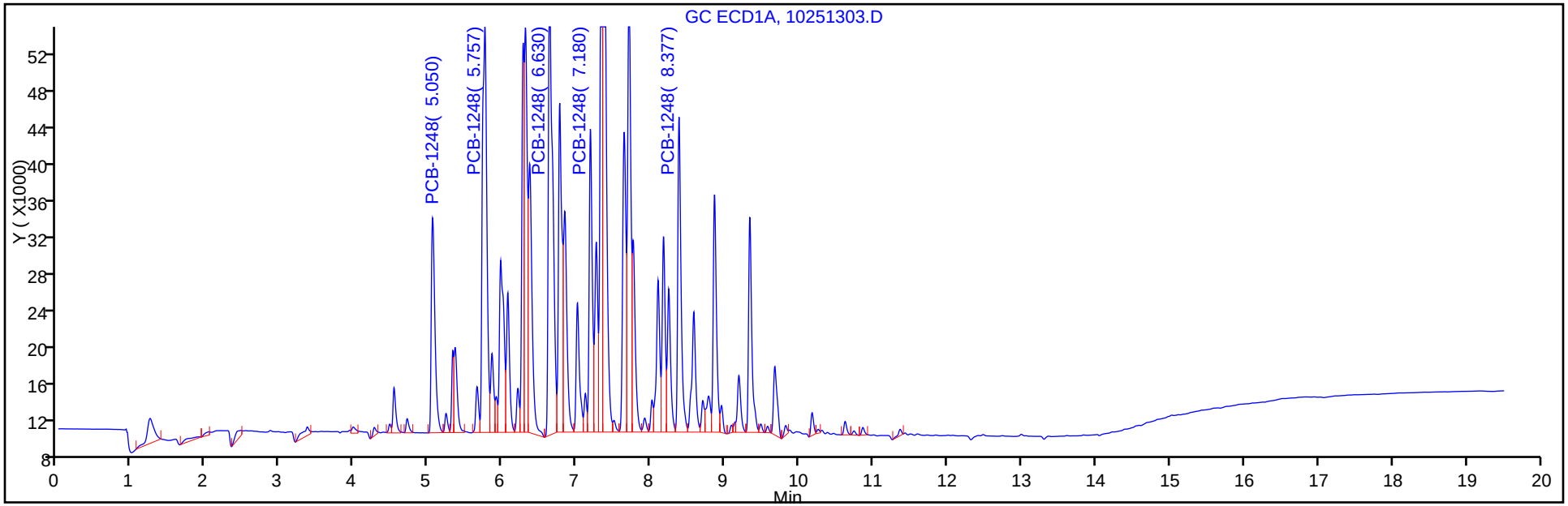
Report Date: 29-Oct-2013 12:13:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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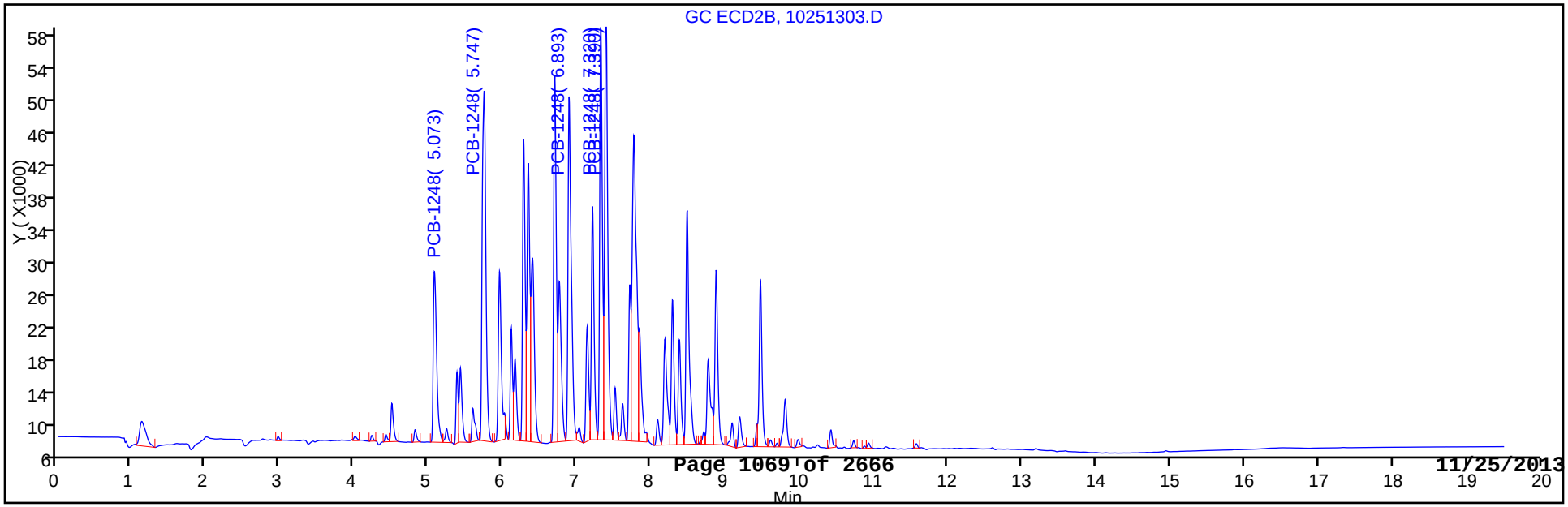
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D

Injection Date:	25-Oct-2013 15:43:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251304.D		
Lims ID:	STDL41248	Client ID:	
Inject. Date:	25-Oct-2013 16:06:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL41248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	197868	Lims Sample ID:	4
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:32	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	45203	274.0		100.0	
1	2	5.757	5.757	0.000	99277	262.9	186.9- 266.9	219.6	
1	3	6.627	6.630	-0.003	113687	269.4	209.5- 289.5	251.5	
1	4	7.180	7.180	0.000	50886	264.5	74.7- 154.7	112.6	
1	5	8.373	8.377	-0.004	57209	261.2	90.2- 170.2	126.6	
			Average of Peak Amounts =			266.4			
2	6	5.073	5.073	0.000	37821	274.8		100.0	
2	7	5.747	5.747	0.000	80457	265.7	177.5- 257.5	212.7	
2	8	6.893	6.893	0.000	68903	259.2	151.9- 231.9	182.2	
2	9	7.320	7.320	0.000	63051	246.0	145.1- 225.1	166.7	
2	10	7.390	7.390	0.000	79167	247.9	189.2- 269.2	209.3	
			Average of Peak Amounts =			258.7			
						RPD = 2.92			
S 15 Polychlorinated biphenyls, Total									
1						266.4			
2						258.7			
						RPD = 2.92			

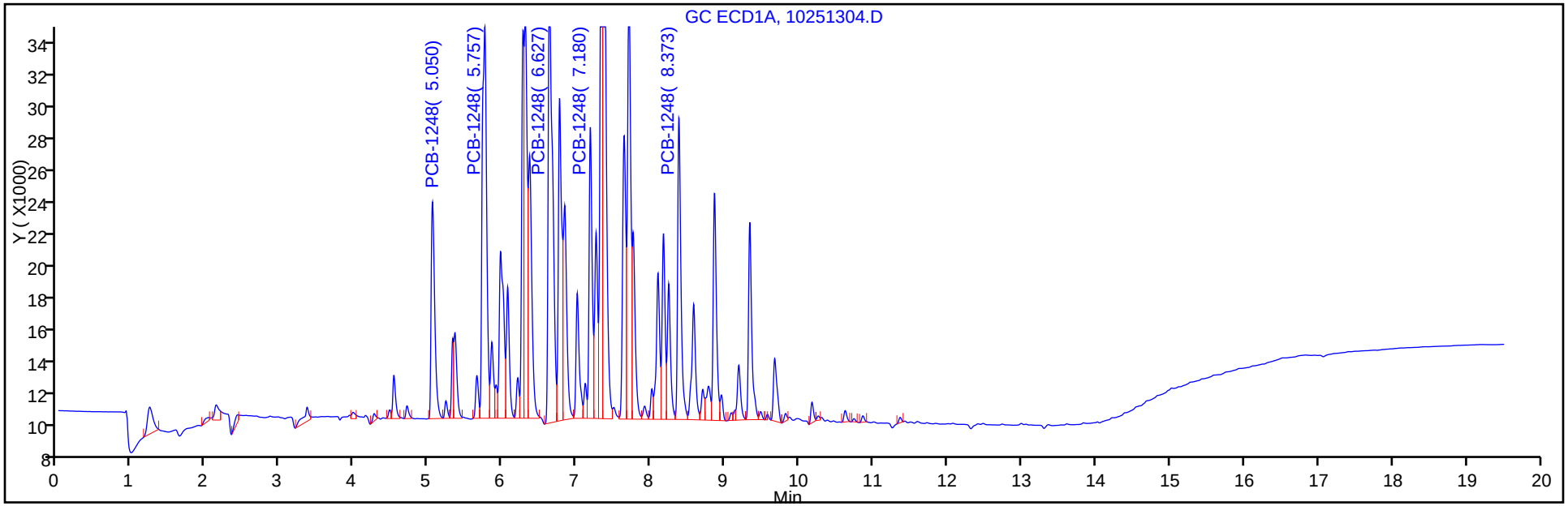
Report Date: 29-Oct-2013 12:13:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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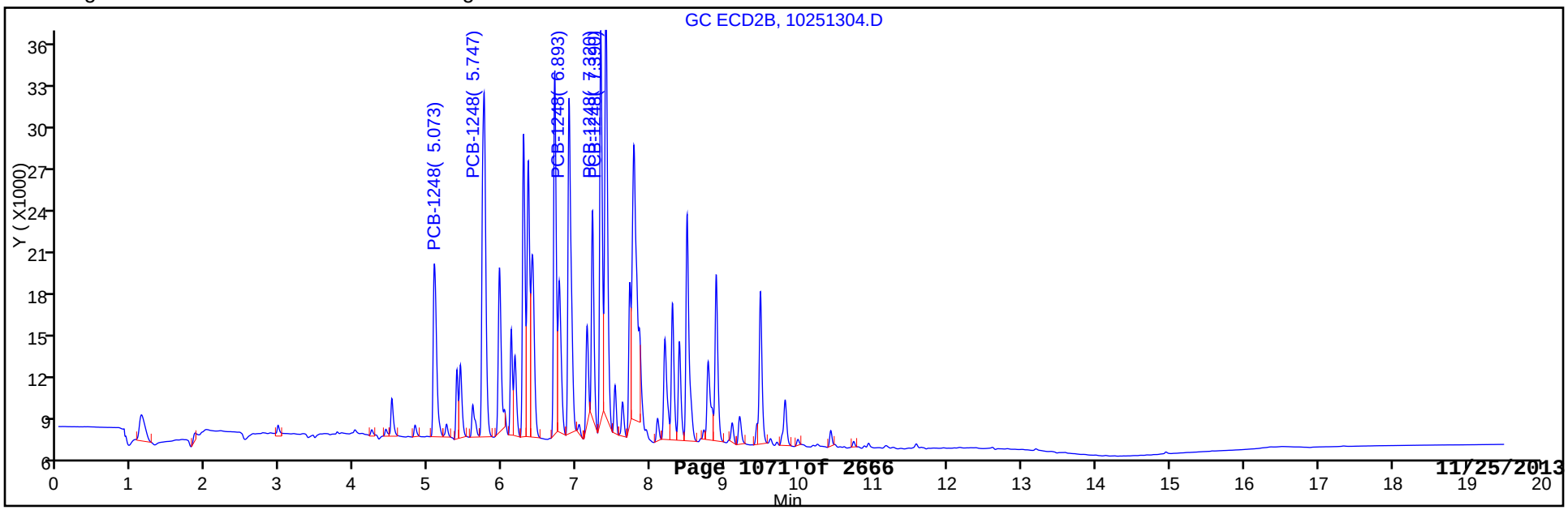
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Injection Date:	25-Oct-2013 16:06:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	4
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251305.D		
Lims ID:	STDL31248	Client ID:	
Inject. Date:	25-Oct-2013 16:29:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	197868	Lims Sample ID:	5
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:31	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.053	5.050	0.003	20430	113.6		100.0	
1	2	5.757	5.757	0.000	42794	107.0	186.9- 266.9	209.5	
1	3	6.630	6.630	0.000	52074	110.4	209.5- 289.5	254.9	
1	4	7.183	7.180	0.003	22499	110.4	74.7- 154.7	110.1	
1	5	8.380	8.377	0.003	25903	113.4	90.2- 170.2	126.8	
			Average of Peak Amounts =			110.9			
2	6	5.077	5.073	0.004	17722	114.0		100.0	
2	7	5.747	5.747	0.000	36032	109.2	177.5- 257.5	203.3	
2	8	6.893	6.893	0.000	31501	109.3	151.9- 231.9	177.8	
2	9	7.323	7.320	0.003	31813	114.5	145.1- 225.1	179.5	
2	10	7.393	7.390	0.003	39991	113.3	189.2- 269.2	225.7	
			Average of Peak Amounts =			112.1			
						RPD = 1.02			
S 15 Polychlorinated biphenyls, Total									
1						110.9			
2						112.1			
						RPD = 1.02			

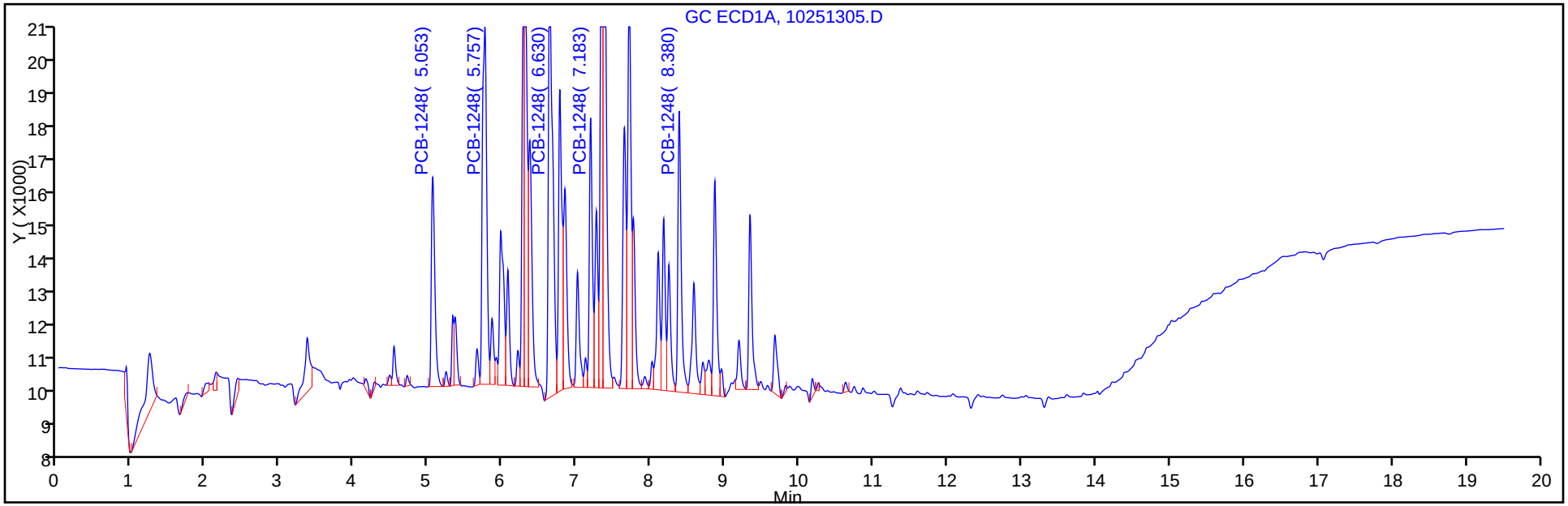
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TestAmerica Denver

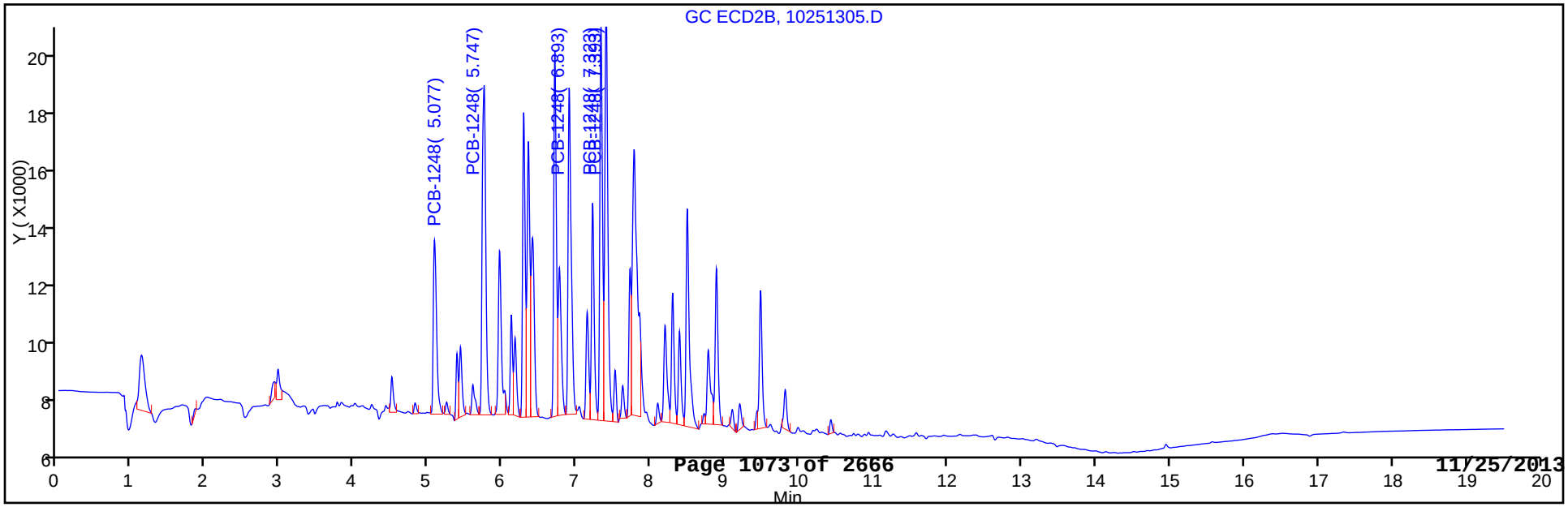
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Injection Date:	25-Oct-2013 16:29:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	5
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251306.D		
Lims ID:	STDL21248	Client ID:	
Inject. Date:	25-Oct-2013 16:53:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STDL21248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	197868	Lims Sample ID:	6
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:30	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	11034	52.8		100.0	
1	2	5.757	5.757	0.000	22886	52.0	186.9- 266.9	207.4	
1	3	6.630	6.630	0.000	30000	53.4	209.5- 289.5	271.9	
1	4	7.183	7.180	0.003	11679	51.7	74.7- 154.7	105.8	
1	5	8.380	8.377	0.003	12571	50.4	90.2- 170.2	113.9	
			Average of Peak Amounts =			52.0			
2	6	5.077	5.073	0.004	10159	53.5		100.0	
2	7	5.743	5.747	-0.004	20016	52.8	177.5- 257.5	197.0	
2	8	6.893	6.893	0.000	17321	52.5	151.9- 231.9	170.5	
2	9	7.323	7.320	0.003	17193	52.9	145.1- 225.1	169.2	
2	10	7.393	7.390	0.003	22416	53.0	189.2- 269.2	220.7	
			Average of Peak Amounts =			52.9			
						RPD = 1.71			
S 15 Polychlorinated biphenyls, Total									
1						52.0			
2						52.9			
						RPD = 1.71			

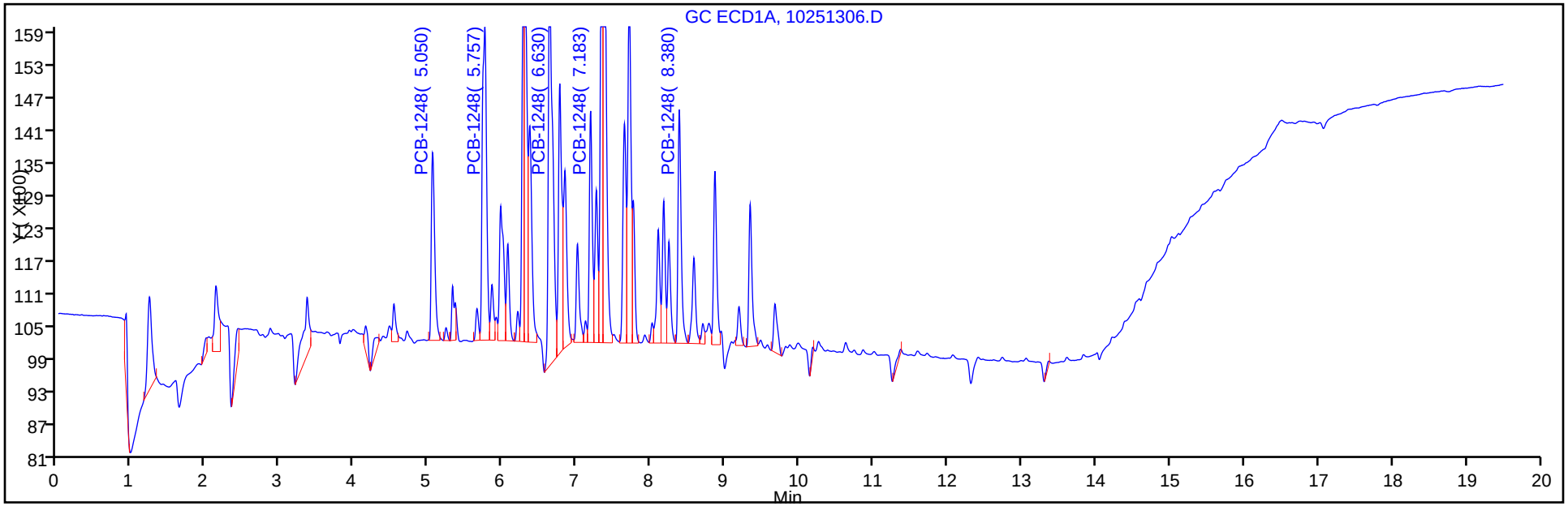
Report Date: 29-Oct-2013 12:13:31 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

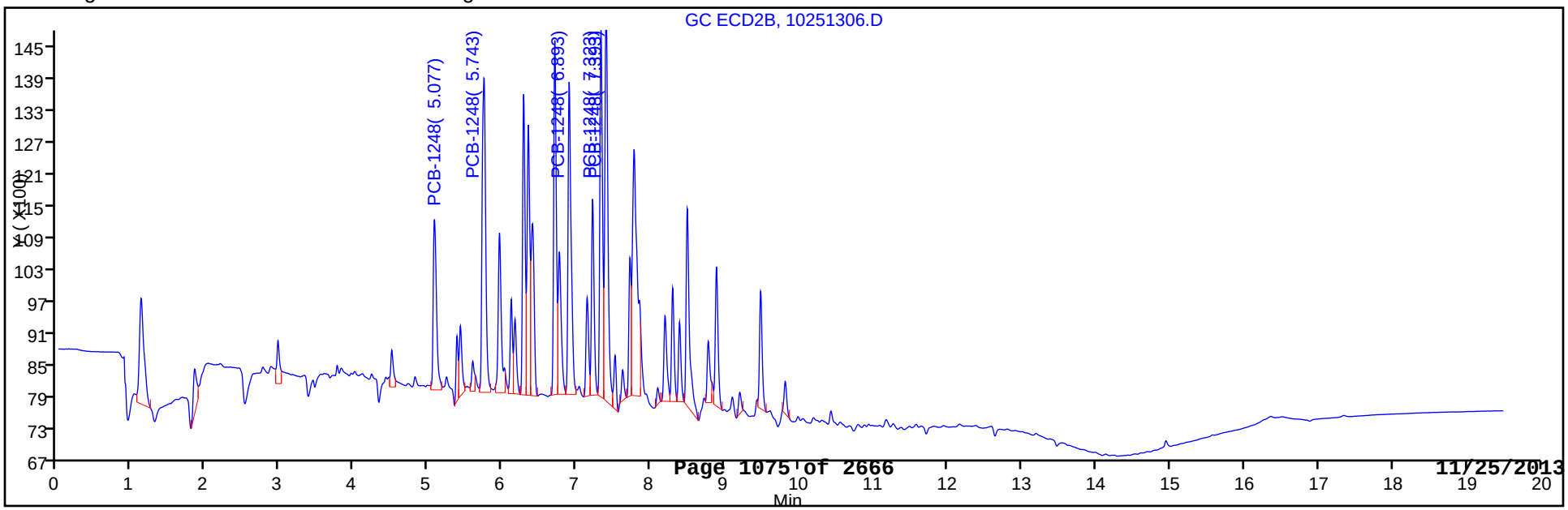
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251306.D

Injection Date:	25-Oct-2013 16:53:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	6
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251307.D		
Lims ID:	STDL11248	Client ID:	
Inject. Date:	25-Oct-2013 17:16:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	197868	Lims Sample ID:	7
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:29	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	5727	18.4		100.0	
1	2	5.757	5.757	0.000	11809	21.4	186.9- 266.9	206.2	
1	3	6.630	6.630	0.000	16843	19.4	209.5- 289.5	294.1	
1	4	7.183	7.180	0.003	5982	20.7	74.7- 154.7	104.5	
1	5	8.380	8.377	0.003	6333	21.0	90.2- 170.2	110.6	
			Average of Peak Amounts =			20.2			
2	6	5.077	5.073	0.004	5708	17.9		100.0	
2	7	5.747	5.747	0.000	10809	20.4	177.5- 257.5	189.4	
2	8	6.897	6.893	0.004	9433	20.9	151.9- 231.9	165.3	
2	9	7.327	7.320	0.007	9491	20.4	145.1- 225.1	166.3	
2	10	7.397	7.390	0.007	12967	20.5	189.2- 269.2	227.2	
			Average of Peak Amounts =			20.0			
						RPD = 0.74			
S 15 Polychlorinated biphenyls, Total									
1						20.2			
2						20.0			
						RPD = 0.74			

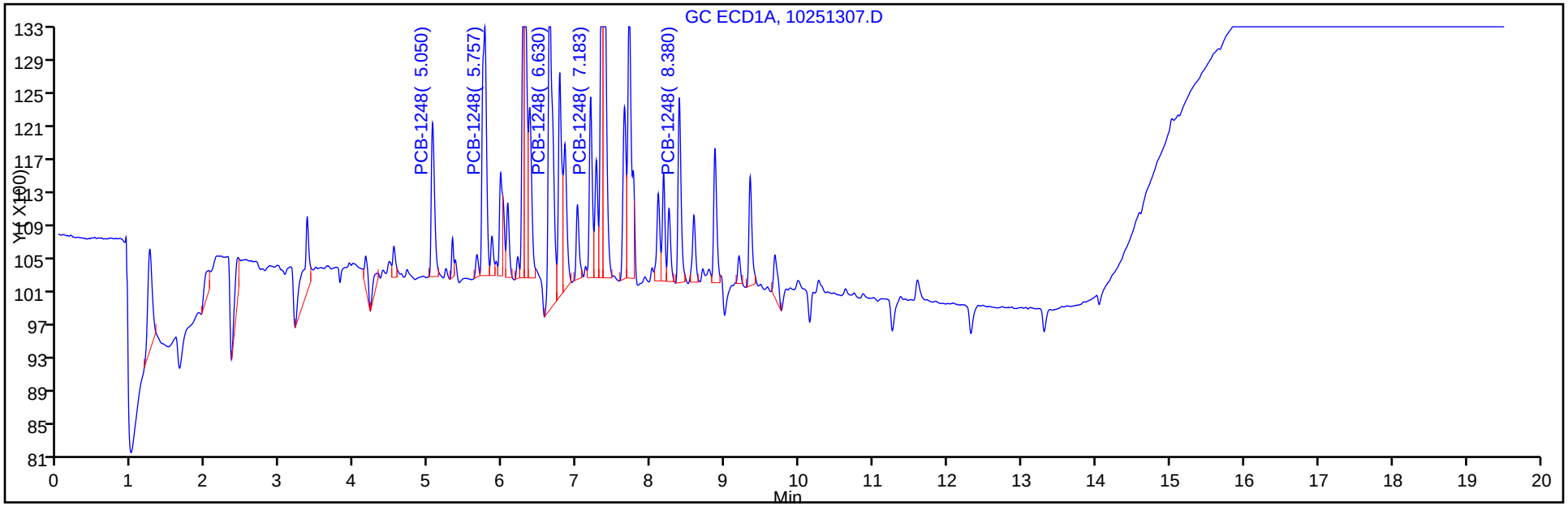
Report Date: 29-Oct-2013 12:13:30 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

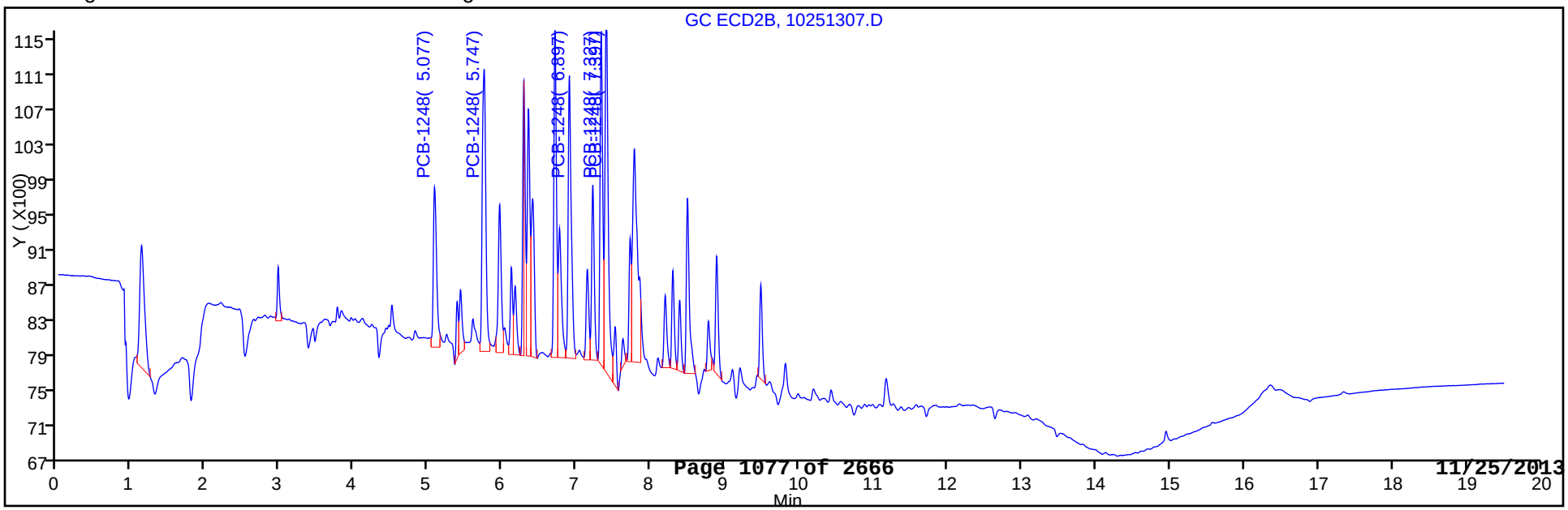
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251307.D

Injection Date:	25-Oct-2013 17:16:05	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	7
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16051

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	4.263	4.263	4.263	4.260	4.260	4.260	4.260				4.220 - 4.300	4.261
PCB-1221 Peak 2	4.473	4.473	4.473	4.470	4.470	4.470	4.470				4.430 - 4.510	4.471
PCB-1221 Peak 3	4.530	4.530	4.530	4.527	4.527	4.527	4.527				4.487 - 4.567	4.528
PCB-1254 Peak 1	7.263	7.263	7.263	7.260	7.260	7.257	7.257				7.220 - 7.300	7.260
PCB-1254 Peak 2	8.170	8.170	8.170	8.167	8.163	8.163	8.160				8.123 - 8.203	8.166
PCB-1254 Peak 3	8.380	8.380	8.380	8.377	8.373	8.370	8.370				8.333 - 8.413	8.376
PCB-1254 Peak 4	9.187	9.183	9.187	9.180	9.180	9.177	9.177				9.140 - 9.220	9.182
PCB-1254 Peak 5	9.670	9.670	9.670	9.667	9.663	9.663	9.660				9.623 - 9.703	9.666

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16051

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	186.84 110.63	153.38 108.74	136.20 110.10	119.93	Lin1	2218.73403	107.430976							0.9990		0.9900
PCB-1221 Peak 2	113.48 62.580	89.580 60.120	77.200 58.335	69.488	Lin1	1557.12551	58.4011669							0.9980		0.9900
PCB-1221 Peak 3	416.08 253.03	375.92 243.59	327.11 240.76	284.72	Lin1	5894.70978	239.922629							0.9970		0.9900
PCB-1254 Peak 1	462.52 307.45	441.76 298.38	390.40 297.22	341.86	Lin1	5999.70189	295.659098							0.9970		0.9900
PCB-1254 Peak 2	420.80 331.53	433.06 341.36	392.17 334.40	361.06	Lin1	3541.61142	333.851110							0.9990		0.9900
PCB-1254 Peak 3	820.44 547.66	797.82 591.69	719.45 546.79	651.55	Lin1	9899.93496	557.128394							0.9960		0.9900
PCB-1254 Peak 4	635.72 434.62	612.70 438.72	546.01 431.45	481.54	Lin1	7370.82689	429.055032							0.9980		0.9900
PCB-1254 Peak 5	777.24 582.24	765.46 594.96	699.22 590.69	633.47	Lin1	6992.72152	585.072878							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16051

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin1	4671 81557	7669 110095	13620	29983	55314	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 2	Lin1	2837 45090	4479 58335	7720	17372	31290	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 3	Lin1	10402 182693	18796 240758	32711	71180	126516	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 1	Lin1	11563 223783	22088 297221	39040	85465	153726	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 2	Lin1	10520 256020	21653 334404	39217	90266	165763	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 3	Lin1	20511 443771	39891 546785	71945	162887	273828	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 4	Lin1	15893 329042	30635 431452	54601	120386	217309	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 5	Lin1	19431 446221	38273 590686	69922	158367	291119	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251308.D
Lims ID: STDL72154 Client ID:
Inject. Date: 25-Oct-2013 17:39:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL72154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 197868 Lims Sample ID: 8
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:28 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	110095	1004.1		100.0	
1	2	4.470	4.470	0.000	58335	972.2	16.6- 96.6	53.0	
1	3	4.527	4.527	0.000	240758	978.9	188.7- 268.7	218.7	
			Average of Peak Amounts =			985.1			
2	4	4.230	4.230	0.000	89172	971.8		100.0	
2	5	4.420	4.420	0.000	58449	964.6	26.3- 106.3	65.5	
2	6	4.500	4.500	0.000	189445	961.0	176.2- 256.2	212.4	
			Average of Peak Amounts =			965.8			
						RPD = 1.98			
7 PCB-1254									
1	1	7.257	7.260	-0.003	297221	985.0		100.0	
1	2	8.160	8.163	-0.003	334404	991.0	67.8- 147.8	112.5	
1	3	8.370	8.373	-0.003	546785	963.7	138.1- 218.1	184.0	
1	4	9.177	9.180	-0.003	431452	988.4	101.4- 181.4	145.2	
1	5	9.660	9.663	-0.003	590686	997.6	149.4- 229.4	198.7	
			Average of Peak Amounts =			985.2			
2	6	7.387	7.387	0.000	279832	975.2		100.0	
2	7	7.710	7.710	0.000	304932	974.4	67.8- 147.8	109.0	
2	8	8.483	8.483	0.000	441086	980.5	114.5- 194.5	157.6	
2	9	9.187	9.190	-0.003	192655	984.8	27.0- 107.0	68.8	
2	10	9.803	9.807	-0.004	407145	991.2	98.9- 178.9	145.5	
			Average of Peak Amounts =			981.2			
						RPD = 0.40			
S 15 Polychlorinated biphenyls, Total									
1						1970.2			
2						1947.0			
						RPD = 1.19			

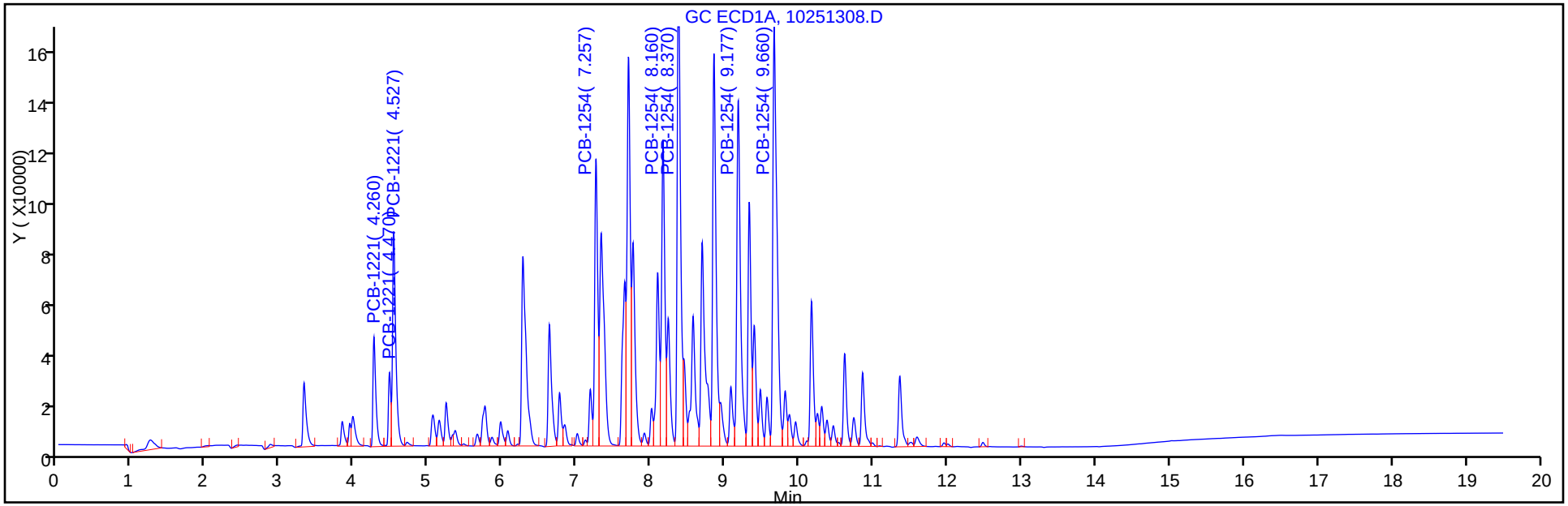
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TestAmerica Denver

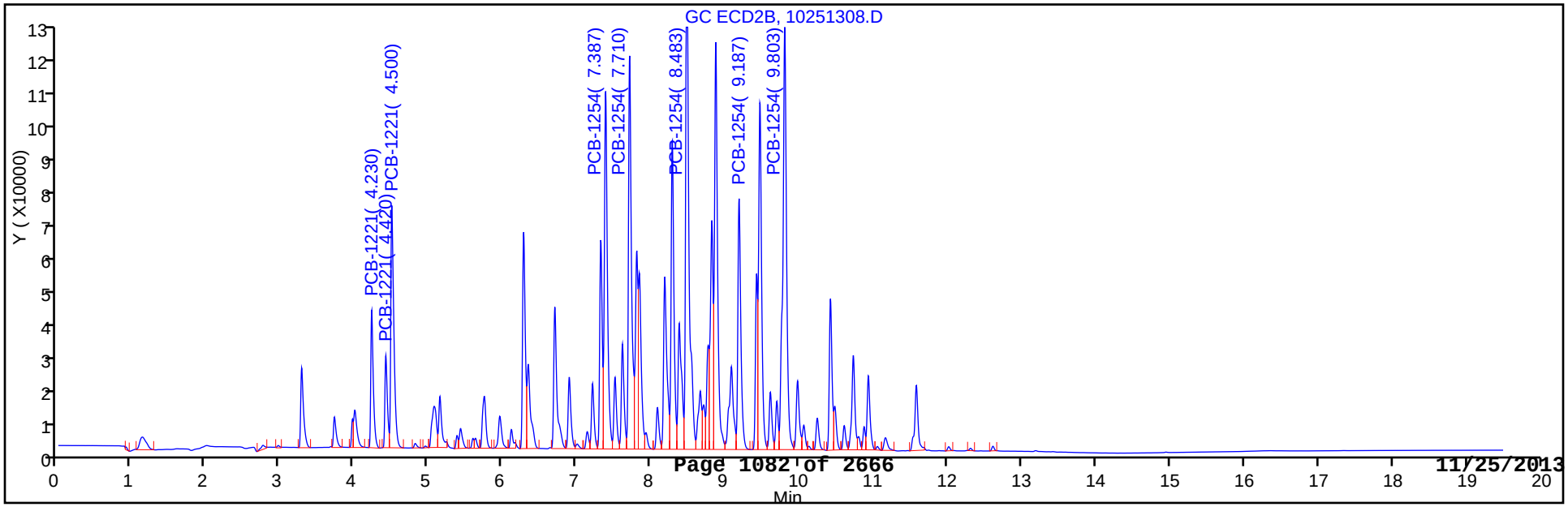
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251308.D

Injection Date:	25-Oct-2013 17:39:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	8
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D
Lims ID: STDL62154 Client ID:
Inject. Date: 25-Oct-2013 18:02:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL62154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 197868 Lims Sample ID: 9
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:27 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	81557	738.5		100.0	
1	2	4.470	4.470	0.000	45090	745.4	16.6- 96.6	55.3	
1	3	4.527	4.527	0.000	182693	736.9	188.7- 268.7	224.0	
			Average of Peak Amounts =			740.3			
2	4	4.230	4.230	0.000	68689	743.6		100.0	
2	5	4.420	4.420	0.000	45526	746.1	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	148330	746.6	176.2- 256.2	215.9	
			Average of Peak Amounts =			745.4			
						RPD = 0.69			
7 PCB-1254									M
1	1	7.257	7.260	-0.003	223783	736.6		100.0	
1	2	8.163	8.163	0.000	256020	756.3	67.8- 147.8	114.4	M
1	3	8.370	8.373	-0.003	443771	778.8	138.1- 218.1	198.3	M
1	4	9.177	9.180	-0.003	329042	749.7	101.4- 181.4	147.0	M
1	5	9.663	9.663	0.000	446221	750.7	149.4- 229.4	199.4	M
			Average of Peak Amounts =			754.4			
2	6	7.387	7.387	0.000	215942	747.5		100.0	
2	7	7.710	7.710	0.000	235122	746.9	67.8- 147.8	108.9	
2	8	8.483	8.483	0.000	338892	749.3	114.5- 194.5	156.9	
2	9	9.187	9.190	-0.003	147494	749.5	27.0- 107.0	68.3	
2	10	9.803	9.807	-0.004	310807	753.1	98.9- 178.9	143.9	
			Average of Peak Amounts =			749.3			
						RPD = 0.69			
S 15 Polychlorinated biphenyls, Total									
1						1494.7			
2						1494.7			
						RPD = 0.00			

QC Flag Legend

Review Flags
M - Manually Integrated

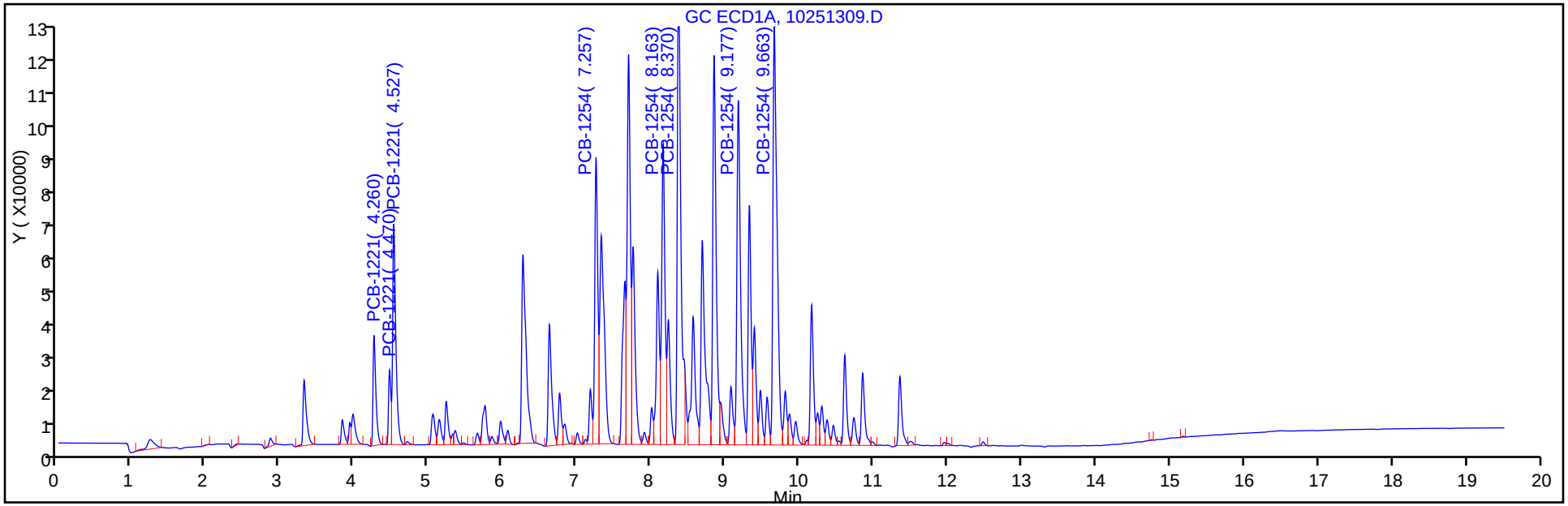
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TestAmerica Denver

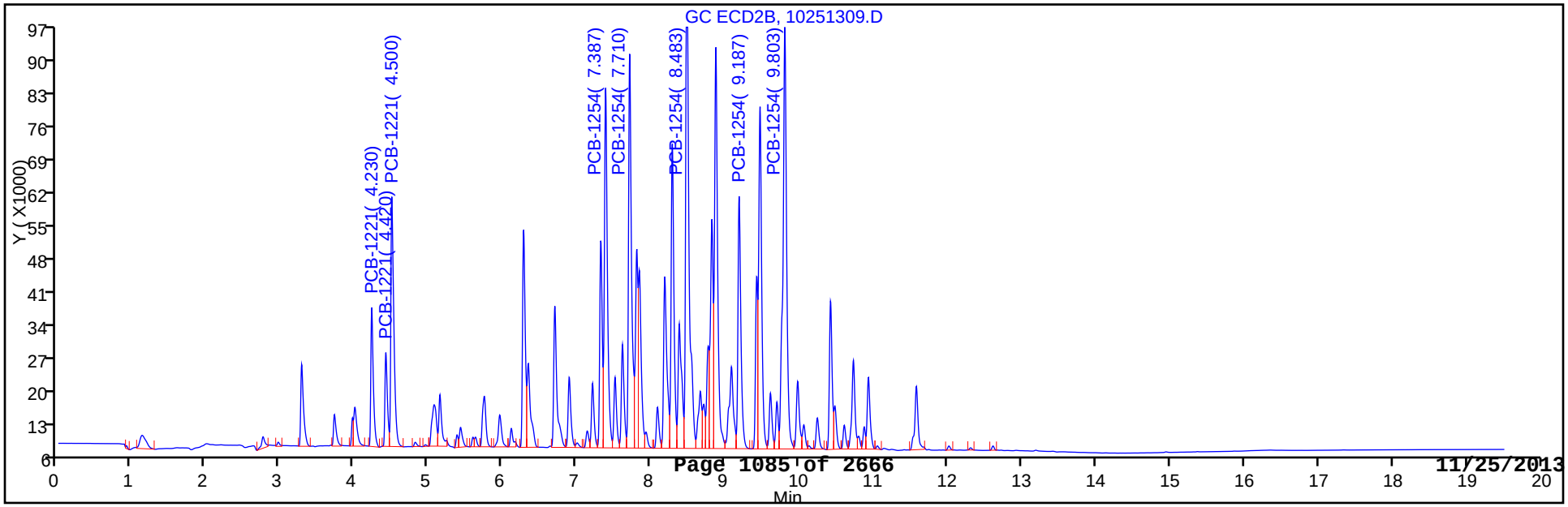
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D

Injection Date:	25-Oct-2013 18:02:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	9
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



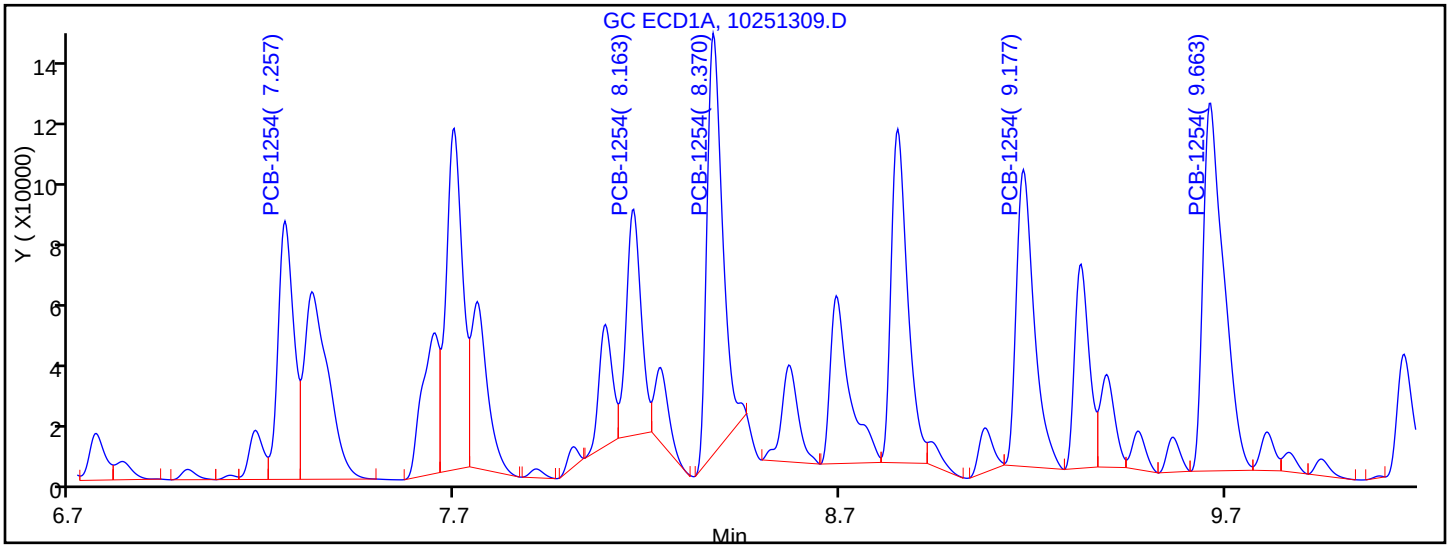
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D

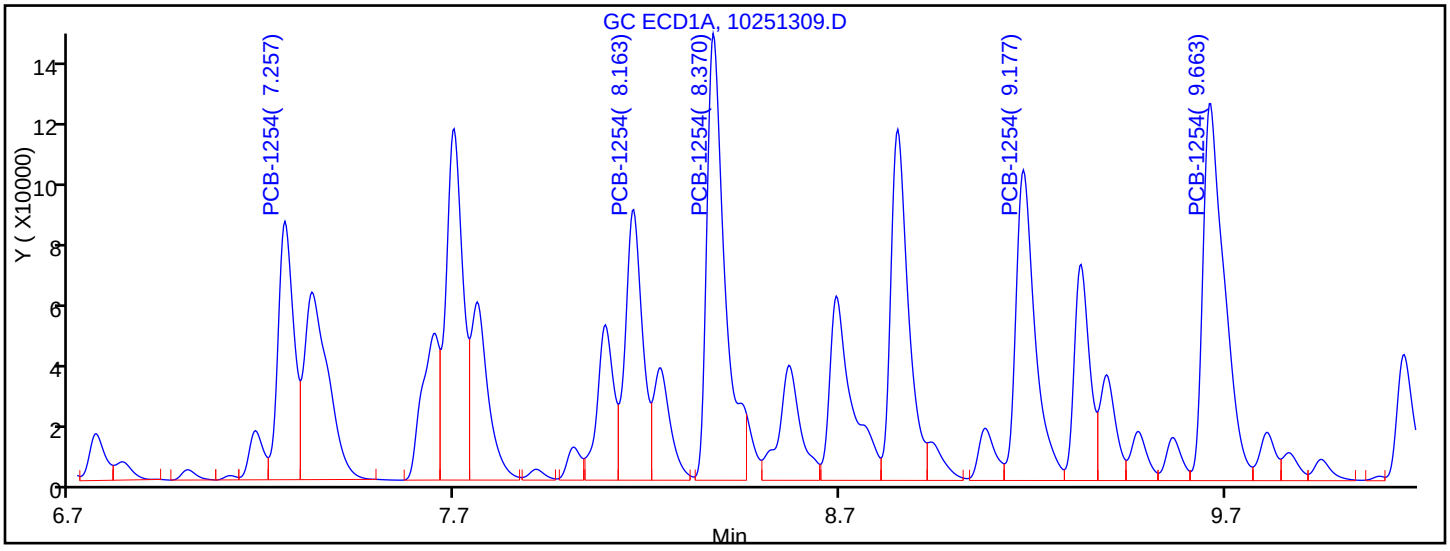
Injection Date:	25-Oct-2013 18:02:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	9
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

7 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.257	Response = 223783	
RT = 8.163	Response = 185082	M
RT = 8.370	Response = 359187	M
RT = 9.177	Response = 292072	M
RT = 9.663	Response = 417826	M



Manual Integration Results

RT = 7.257	Response = 223783	
RT = 8.163	Response = 256020	M
RT = 8.370	Response = 443771	M
RT = 9.177	Response = 329042	M
RT = 9.663	Response = 446221	M

Reviewer: jacksonto, 26-Oct-2013 10:23:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251310.D
Lims ID: STDL52154 Client ID:
Inject. Date: 25-Oct-2013 18:25:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STDL52154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 197868 Lims Sample ID: 10
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:25 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:15:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	55314	494.2		100.0	
1	2	4.470	4.470	0.000	31290	509.1	16.6- 96.6	56.6	
1	3	4.527	4.527	0.000	126516	502.8	188.7- 268.7	228.7	
			Average of Peak Amounts =			502.0			
2	4	4.230	4.230	0.000	46952	501.3		100.0	
2	5	4.420	4.420	0.000	31117	502.5	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	101519	502.5	176.2- 256.2	216.2	
			Average of Peak Amounts =			502.1			
						RPD = 0.02			
7 PCB-1254									
1	1	7.260	7.260	0.000	153726	499.7		100.0	
1	2	8.163	8.163	0.000	165763	485.9	67.8- 147.8	107.8	
1	3	8.373	8.373	0.000	273828	473.7	138.1- 218.1	178.1	
1	4	9.180	9.180	0.000	217309	489.3	101.4- 181.4	141.4	
1	5	9.663	9.663	0.000	291119	485.6	149.4- 229.4	189.4	
			Average of Peak Amounts =			486.8			
2	6	7.387	7.387	0.000	145768	497.3		100.0	
2	7	7.710	7.710	0.000	157126	492.7	67.8- 147.8	107.8	
2	8	8.483	8.483	0.000	225158	492.0	114.5- 194.5	154.5	
2	9	9.190	9.190	0.000	97629	489.8	27.0- 107.0	67.0	
2	10	9.807	9.807	0.000	202432	485.3	98.9- 178.9	138.9	
			Average of Peak Amounts =			491.4			
						RPD = 0.93			
S 15 Polychlorinated biphenyls, Total									
1						988.9			
2						993.5			
						RPD = 0.47			

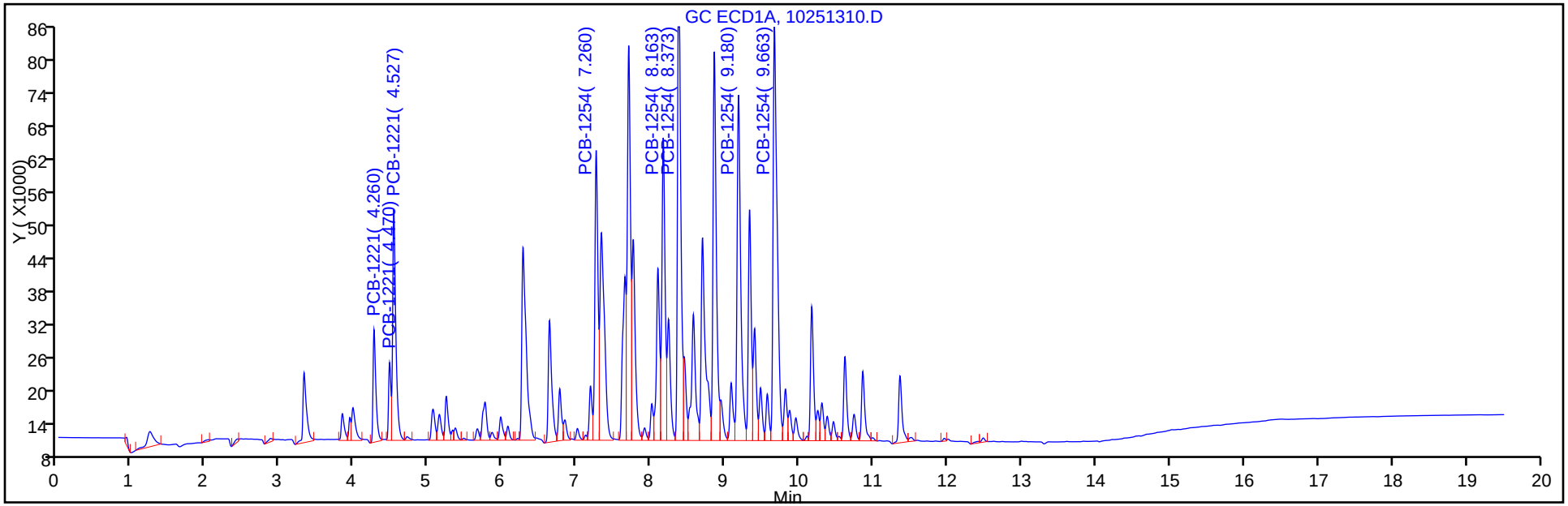
Report Date: 29-Oct-2013 12:13:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

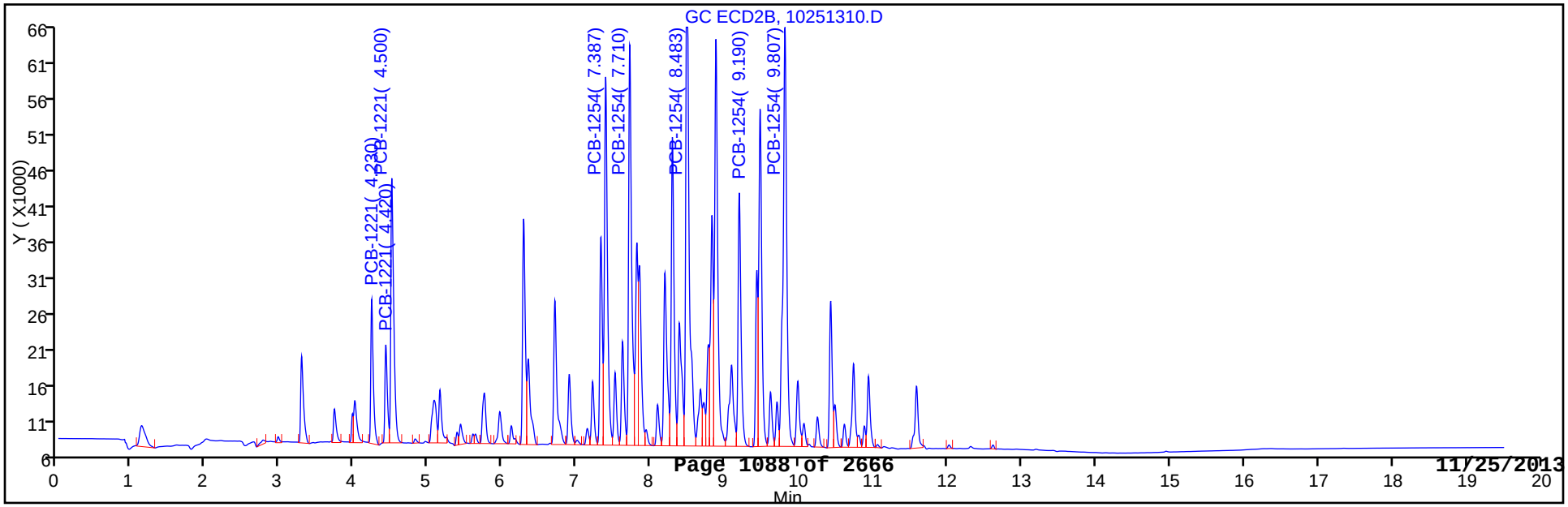
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Injection Date:	25-Oct-2013 18:25:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	10
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251311.D
Lims ID: STDL42154 Client ID:
Inject. Date: 25-Oct-2013 18:48:21 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL42154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 197868 Lims Sample ID: 11
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	29983	258.4		100.0	
1	2	4.470	4.470	0.000	17372	270.8	16.6- 96.6	57.9	
1	3	4.527	4.527	0.000	71180	272.1	188.7- 268.7	237.4	
			Average of Peak Amounts =			267.1			
2	4	4.230	4.230	0.000	26150	269.6		100.0	
2	5	4.420	4.420	0.000	17654	274.9	26.3- 106.3	67.5	
2	6	4.500	4.500	0.000	58107	276.2	176.2- 256.2	222.2	
			Average of Peak Amounts =			273.5			
						RPD = 2.37			
7 PCB-1254									M
1	1	7.260	7.260	0.000	85465	268.8		100.0	M
1	2	8.167	8.163	0.004	90266	259.8	67.8- 147.8	105.6	M
1	3	8.377	8.373	0.004	162887	274.6	138.1- 218.1	190.6	M
1	4	9.180	9.180	0.000	120386	263.4	101.4- 181.4	140.9	M
1	5	9.667	9.663	0.004	158367	258.7	149.4- 229.4	185.3	M
			Average of Peak Amounts =			265.1			
2	6	7.387	7.387	0.000	83451	275.1		100.0	
2	7	7.713	7.710	0.003	90541	275.7	67.8- 147.8	108.5	
2	8	8.487	8.483	0.004	126266	268.3	114.5- 194.5	151.3	
2	9	9.190	9.190	0.000	54744	266.4	27.0- 107.0	65.6	
2	10	9.807	9.807	0.000	112078	262.0	98.9- 178.9	134.3	
			Average of Peak Amounts =			269.5			
						RPD = 1.66			
S 15 Polychlorinated biphenyls, Total									
1						532.2			
2						543.0			
						RPD = 2.02			

QC Flag Legend

Review Flags
M - Manually Integrated

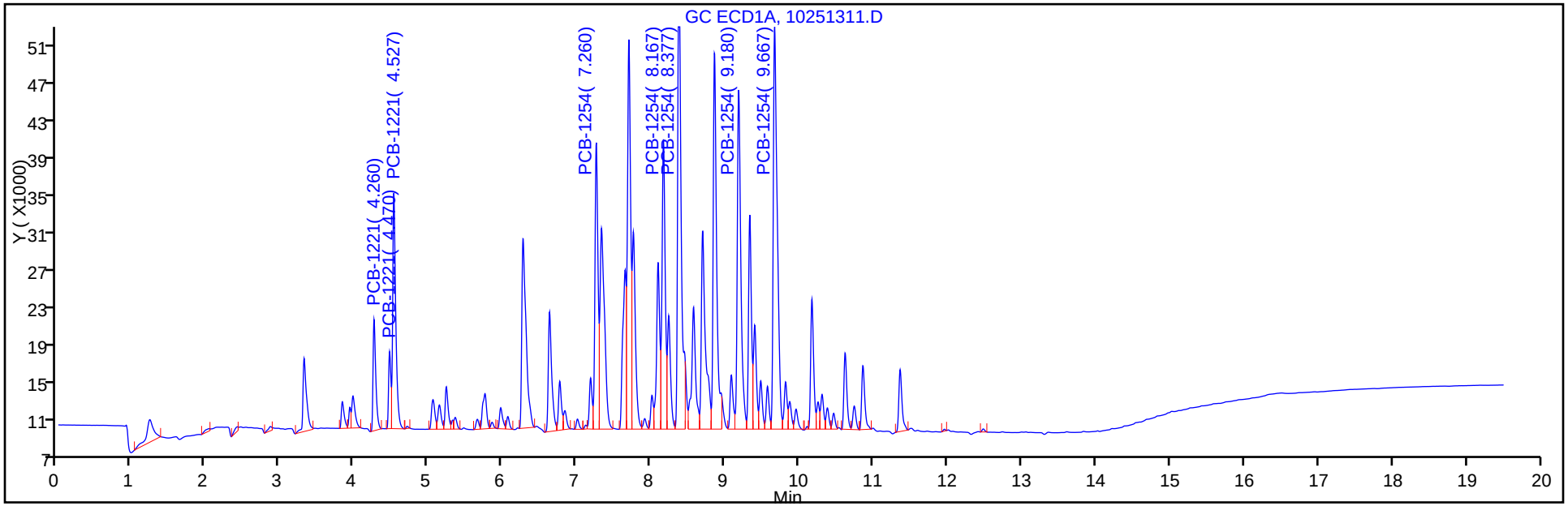
Report Date: 29-Oct-2013 12:13:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

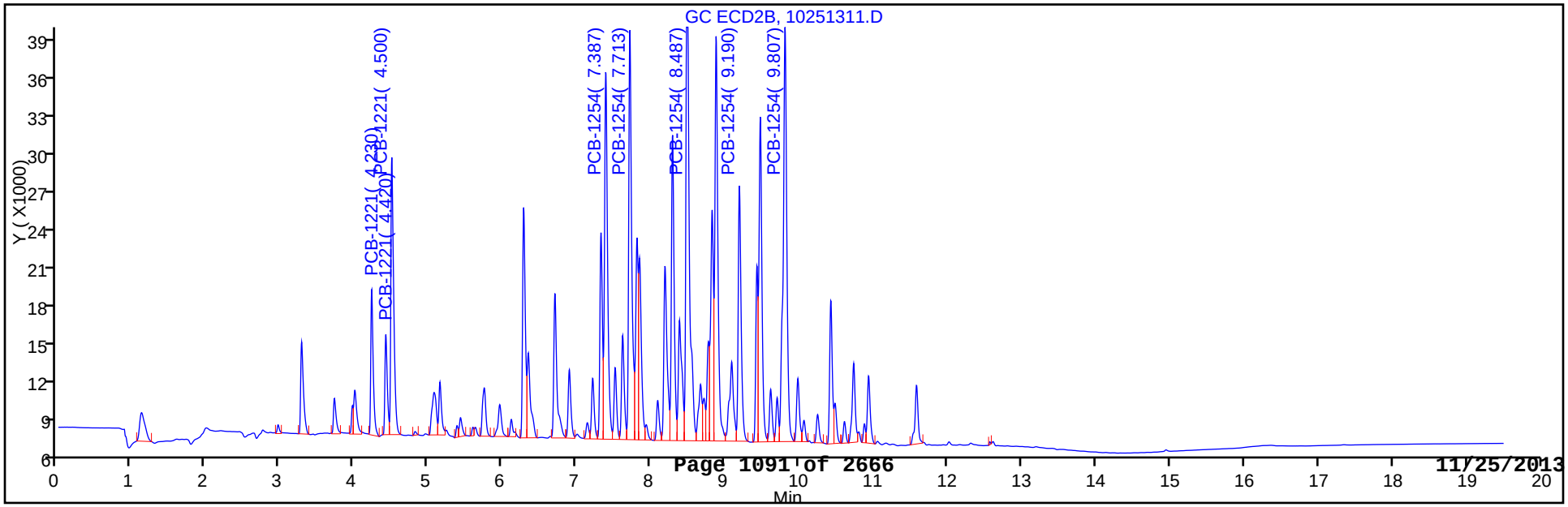
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Injection Date:	25-Oct-2013 18:48:21	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	11
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



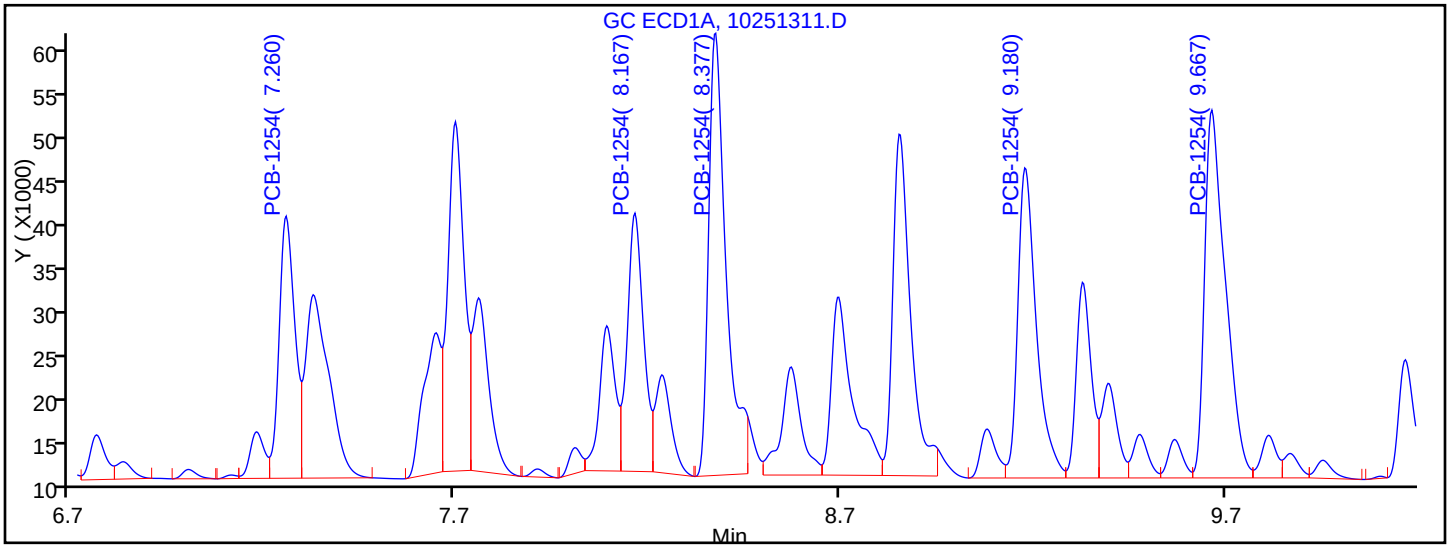
Report Date: 29-Oct-2013 12:13:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251311.D

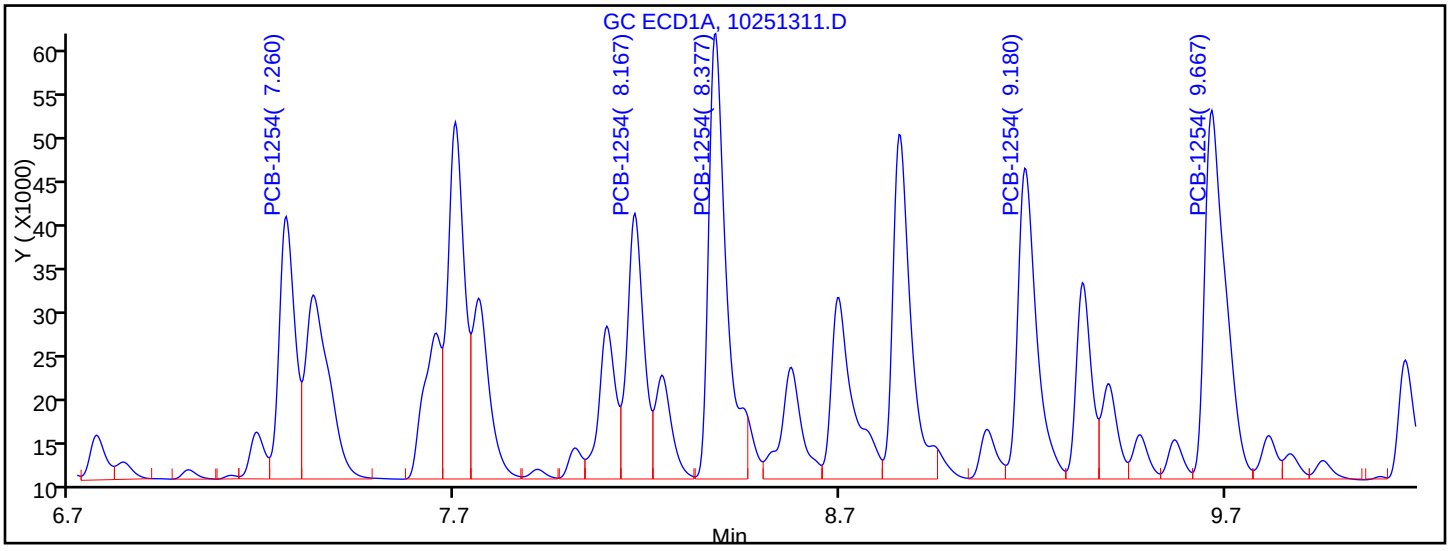
Injection Date:	25-Oct-2013 18:48:21	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	11
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

7 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.260	Response = 85230	M
RT = 8.167	Response = 86143	M
RT = 8.377	Response = 159558	M
RT = 9.180	Response = 119672	M
RT = 9.667	Response = 157586	M



Manual Integration Results

RT = 7.260	Response = 85465	M
RT = 8.167	Response = 90266	M
RT = 8.377	Response = 162887	M
RT = 9.180	Response = 120386	M
RT = 9.667	Response = 158367	M

Reviewer: jacksonto, 26-Oct-2013 10:23:22

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251312.D
Lims ID: STDL32154 Client ID:
Inject. Date: 25-Oct-2013 19:11:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL32154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 197868 Lims Sample ID: 12
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	13620	106.1		100.0	
1	2	4.473	4.470	0.003	7720	105.5	16.6- 96.6	56.7	
1	3	4.530	4.527	0.003	32711	111.8	188.7- 268.7	240.2	
			Average of Peak Amounts =			107.8			
2	4	4.230	4.230	0.000	12339	115.7		100.0	
2	5	4.420	4.420	0.000	8229	115.5	26.3- 106.3	66.7	
2	6	4.500	4.500	0.000	27630	117.3	176.2- 256.2	223.9	
			Average of Peak Amounts =			116.1			
						RPD = 7.45			
7 PCB-1254									
1	1	7.263	7.260	0.003	39040	111.8		100.0	
1	2	8.170	8.163	0.007	39217	106.9	67.8- 147.8	100.5	
1	3	8.380	8.373	0.007	71945	111.4	138.1- 218.1	184.3	
1	4	9.187	9.180	0.007	54601	110.1	101.4- 181.4	139.9	
1	5	9.670	9.663	0.007	69922	107.6	149.4- 229.4	179.1	
			Average of Peak Amounts =			109.5			
2	6	7.390	7.387	0.003	38031	113.1		100.0	
2	7	7.717	7.710	0.007	41537	116.0	67.8- 147.8	109.2	
2	8	8.490	8.483	0.007	57893	113.7	114.5- 194.5	152.2	
2	9	9.193	9.190	0.003	25157	112.2	27.0- 107.0	66.1	
2	10	9.810	9.807	0.003	50271	109.2	98.9- 178.9	132.2	
			Average of Peak Amounts =			112.9			
						RPD = 3.00			
S 15 Polychlorinated biphenyls, Total									
1						217.3			
2						229.0			
						RPD = 5.23			

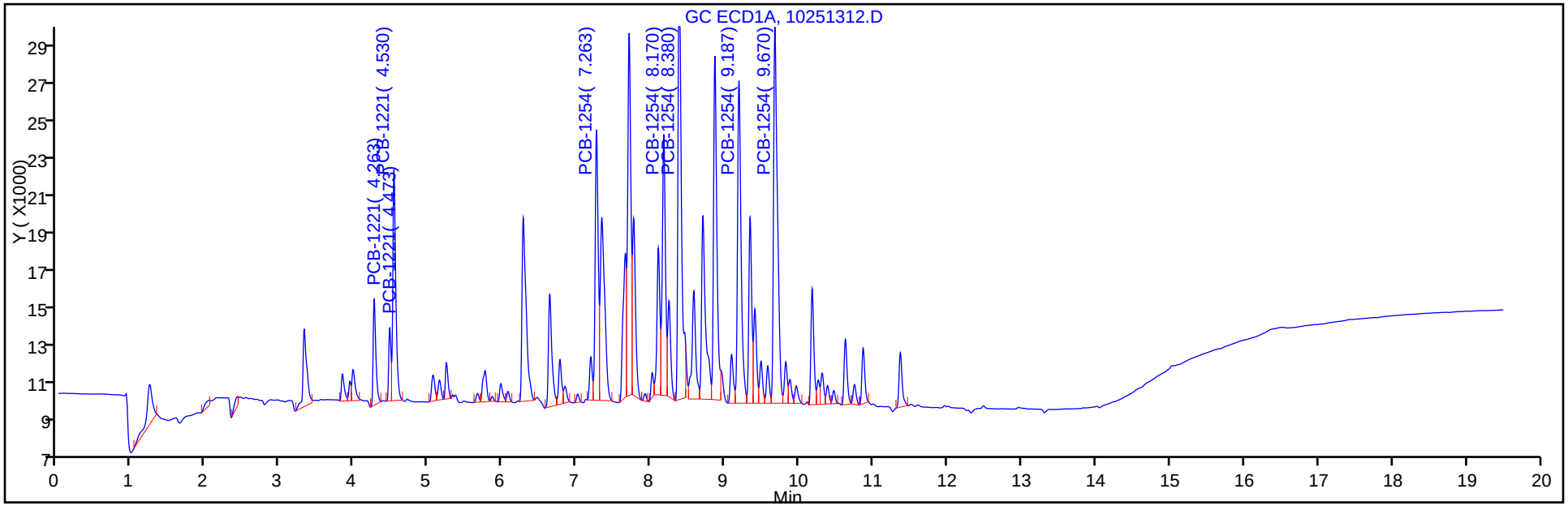
Report Date: 29-Oct-2013 12:13:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

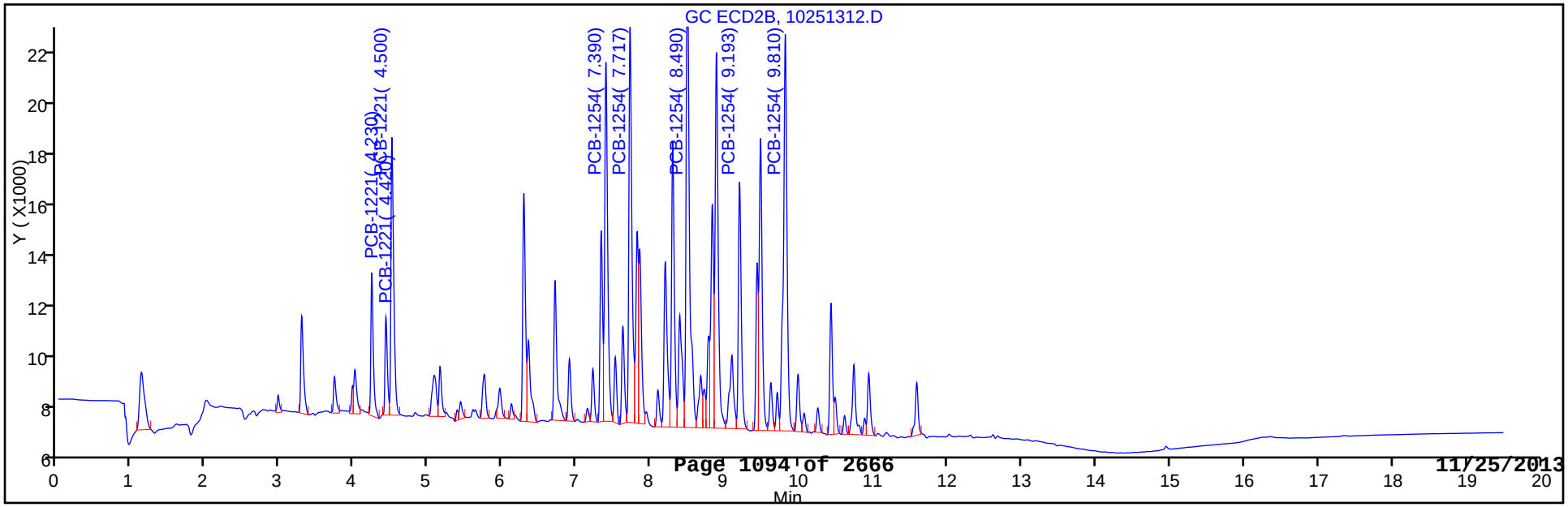
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Injection Date:	25-Oct-2013 19:11:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	12
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D
Lims ID: STDL22154 Client ID:
Inject. Date: 25-Oct-2013 19:34:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL22154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 197868 Lims Sample ID: 13
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:23 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	7669	50.7		100.0	
1	2	4.473	4.470	0.003	4479	50.0	16.6- 96.6	58.4	
1	3	4.530	4.527	0.003	18796	53.8	188.7- 268.7	245.1	
			Average of Peak Amounts =			51.5			
2	4	4.230	4.230	0.000	7001	56.2		100.0	
2	5	4.420	4.420	0.000	4564	53.6	26.3- 106.3	65.2	
2	6	4.503	4.500	0.003	15687	55.0	176.2- 256.2	224.1	
			Average of Peak Amounts =			54.9			
						RPD = 6.38			
7 PCB-1254									
1	1	7.263	7.260	0.003	22088	54.4		100.0	
1	2	8.170	8.163	0.007	21653	54.2	67.8- 147.8	98.0	
1	3	8.380	8.373	0.007	39891	53.8	138.1- 218.1	180.6	
1	4	9.183	9.180	0.003	30635	54.2	101.4- 181.4	138.7	
1	5	9.670	9.663	0.007	38273	53.5	149.4- 229.4	173.3	
			Average of Peak Amounts =			54.0			
2	6	7.390	7.387	0.003	18502	43.5		100.0	
2	7	7.713	7.710	0.003	21132	49.5	67.8- 147.8	114.2	
2	8	8.490	8.483	0.007	30158	50.9	114.5- 194.5	163.0	
2	9	9.193	9.190	0.003	13649	52.3	27.0- 107.0	73.8	
2	10	9.810	9.807	0.003	27778	53.7	98.9- 178.9	150.1	
			Average of Peak Amounts =			50.0			
						RPD = 7.80			
S 15 Polychlorinated biphenyls, Total									
1						105.5			
2						104.9			
						RPD = 0.62			

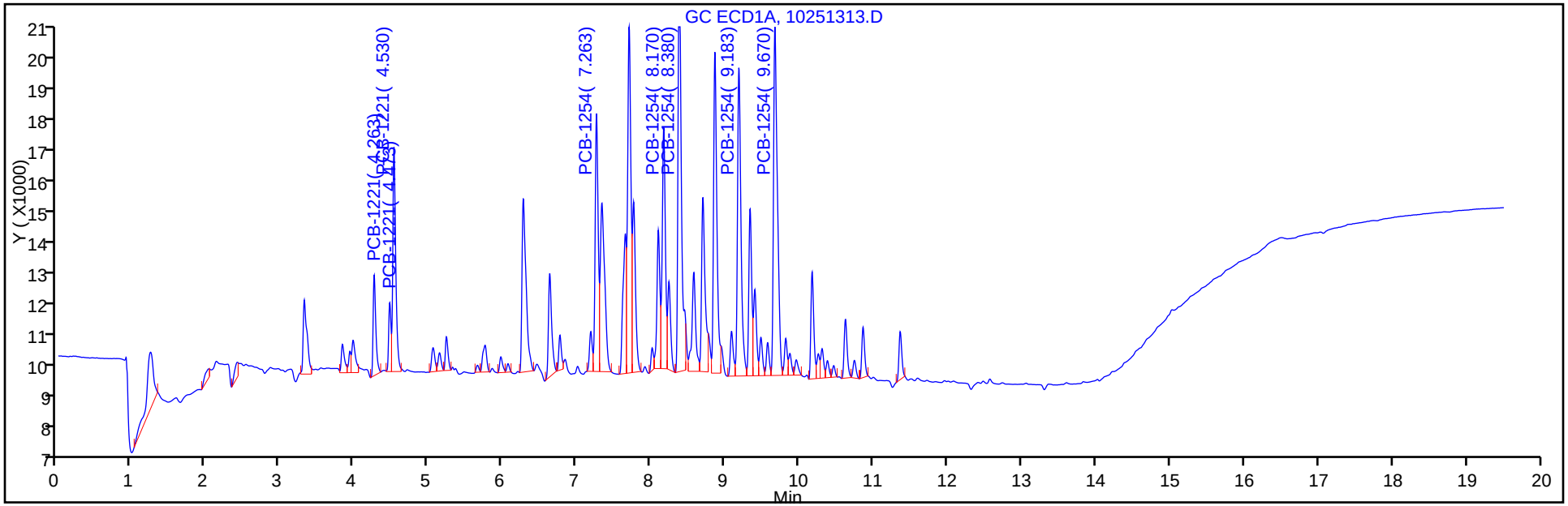
Report Date: 29-Oct-2013 12:13:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

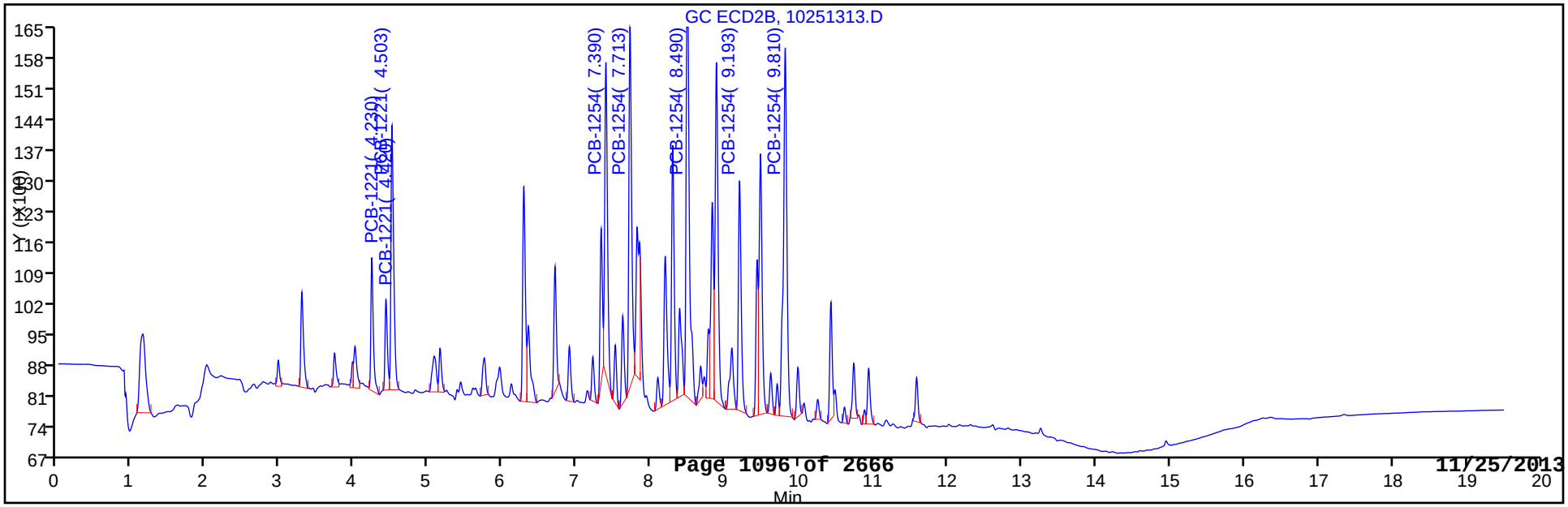
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D

Injection Date:	25-Oct-2013 19:34:37	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	13
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D
Lims ID: STDL12154 Client ID:
Inject. Date: 25-Oct-2013 19:57:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STDL12154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 197868 Lims Sample ID: 14
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:22 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	4671	22.8		100.0	
1	2	4.473	4.470	0.003	2837	21.9	16.6- 96.6	60.7	
1	3	4.530	4.527	0.003	10402	18.8	188.7- 268.7	222.7	
			Average of Peak Amounts =			21.2			
2	4	4.230	4.230	0.000	3475	16.9		100.0	
2	5	4.420	4.420	0.000	2445	17.7	26.3- 106.3	70.4	
2	6	4.503	4.500	0.003	8314	16.5	176.2- 256.2	239.3	
			Average of Peak Amounts =			17.1			
						RPD = 21.55			
7 PCB-1254									
1	1	7.263	7.260	0.003	11563	18.8		100.0	
1	2	8.170	8.163	0.007	10520	20.9	67.8- 147.8	91.0	
1	3	8.380	8.373	0.007	20511	19.0	138.1- 218.1	177.4	
1	4	9.187	9.180	0.007	15893	19.9	101.4- 181.4	137.4	
1	5	9.670	9.663	0.007	19431	21.3	149.4- 229.4	168.0	
			Average of Peak Amounts =			20.0			
2	6	7.390	7.387	0.003	12826	23.3		100.0	
2	7	7.717	7.710	0.007	11997	19.8	67.8- 147.8	93.5	
2	8	8.490	8.483	0.007	16585	20.2	114.5- 194.5	129.3	
2	9	9.193	9.190	0.003	7463	20.1	27.0- 107.0	58.2	
2	10	9.810	9.807	0.003	14370	20.5	98.9- 178.9	112.0	
			Average of Peak Amounts =			20.8			
						RPD = 3.88			
S 15 Polychlorinated biphenyls, Total									
1						41.2			
2						37.8			
						RPD = 8.43			

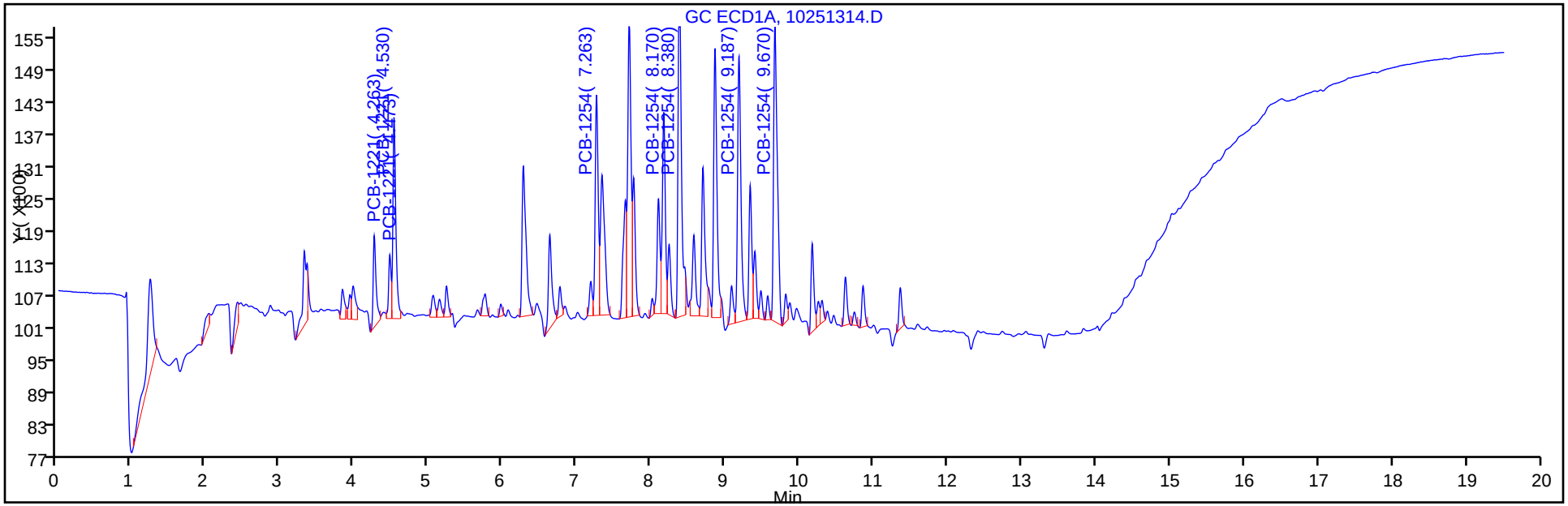
Report Date: 29-Oct-2013 12:13:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

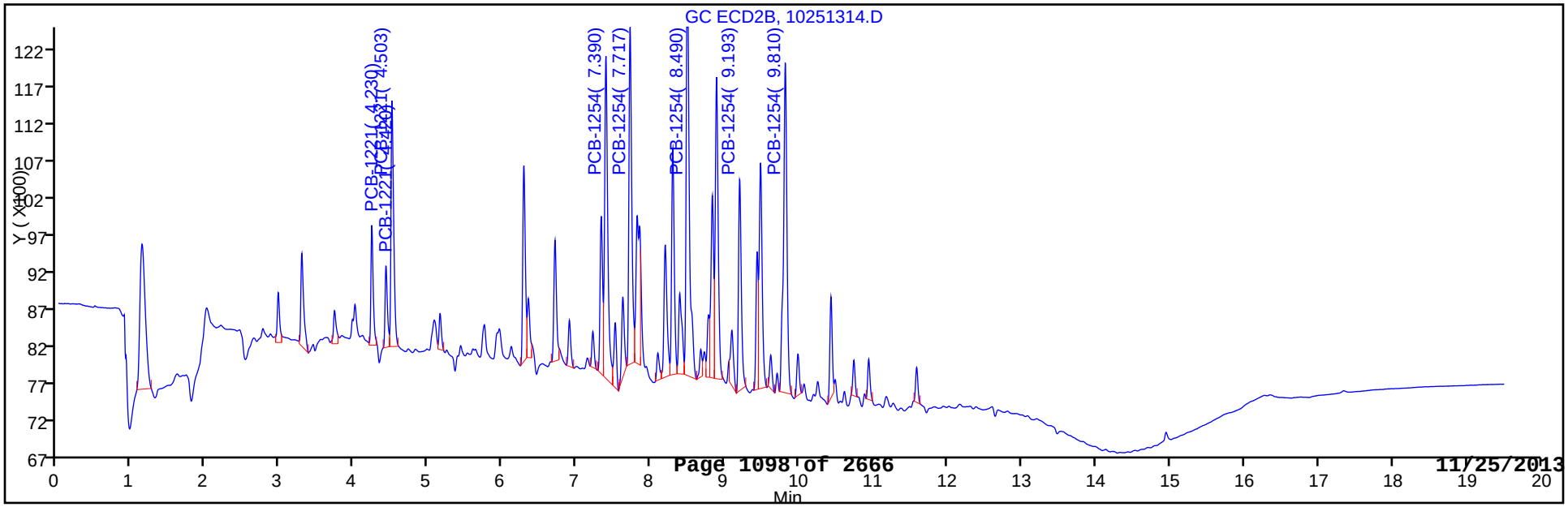
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D

Injection Date:	25-Oct-2013 19:57:48	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	14
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16052

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	4.230	4.230	4.230	4.230	4.230	4.230	4.230				4.190 - 4.270	4.230
PCB-1221 Peak 2	4.420	4.420	4.420	4.420	4.420	4.420	4.420				4.380 - 4.460	4.420
PCB-1221 Peak 3	4.503	4.503	4.500	4.500	4.500	4.500	4.500				4.460 - 4.540	4.501
PCB-1254 Peak 1	7.390	7.390	7.390	7.387	7.387	7.387	7.387				7.347 - 7.427	7.388
PCB-1254 Peak 2	7.717	7.713	7.717	7.713	7.710	7.710	7.710				7.670 - 7.750	7.713
PCB-1254 Peak 3	8.490	8.490	8.490	8.487	8.483	8.483	8.483				8.443 - 8.523	8.487
PCB-1254 Peak 4	9.193	9.193	9.193	9.190	9.190	9.187	9.187				9.150 - 9.230	9.190
PCB-1254 Peak 5	9.810	9.810	9.810	9.807	9.807	9.803	9.803				9.767 - 9.847	9.807

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16052

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	139.00 93.904	140.02 91.585	123.39 89.172	104.60	Lin1	1959.14757	89.7435391							0.9960		0.9900
PCB-1221 Peak 2	97.800 62.234	91.280 60.701	82.290 58.449	70.616	Lin1	1396.07148	59.1444859							0.9960		0.9900
PCB-1221 Peak 3	332.56 203.04	313.74 197.77	276.30 189.45	232.43	Lin1	5141.41661	191.791433							0.9950		0.9900
PCB-1254 Peak 1	513.04 291.54	370.04 287.92	380.31 279.83	333.80	Lin1	6295.14134	280.480752							0.9970		0.9900
PCB-1254 Peak 2	479.88 314.25	422.64 313.50	415.37 304.93	362.16	Lin1	5932.13257	306.864326							0.9970		0.9900
PCB-1254 Peak 3	663.40 450.32	603.16 451.86	578.93 441.09	505.06	Lin1	7653.34711	442.042830							0.9980		0.9900
PCB-1254 Peak 4	298.52 195.26	272.98 196.66	251.57 192.66	218.98	Lin1	3610.68419	191.968677							0.9980		0.9900
PCB-1254 Peak 5	574.80 404.86	555.56 414.41	502.71 407.15	448.31	Lin1	6068.19969	404.636861							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16052

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin1	3475 68689	7001 89172	12339	26150	46952	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 2	Lin1	2445 45526	4564 58449	8229	17654	31117	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 3	Lin1	8314 148330	15687 189445	27630	58107	101519	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 1	Lin1	12826 215942	18502 279832	38031	83451	145768	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 2	Lin1	11997 235122	21132 304932	41537	90541	157126	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 3	Lin1	16585 338892	30158 441086	57893	126266	225158	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 4	Lin1	7463 147494	13649 192655	25157	54744	97629	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 5	Lin1	14370 310807	27778 407145	50271	112078	202432	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251308.D
Lims ID: STDL72154 Client ID:
Inject. Date: 25-Oct-2013 17:39:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL72154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 197868 Lims Sample ID: 8
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:28 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	110095	1004.1		100.0	
1	2	4.470	4.470	0.000	58335	972.2	16.6- 96.6	53.0	
1	3	4.527	4.527	0.000	240758	978.9	188.7- 268.7	218.7	
			Average of Peak Amounts =			985.1			
2	4	4.230	4.230	0.000	89172	971.8		100.0	
2	5	4.420	4.420	0.000	58449	964.6	26.3- 106.3	65.5	
2	6	4.500	4.500	0.000	189445	961.0	176.2- 256.2	212.4	
			Average of Peak Amounts =			965.8			
						RPD = 1.98			
7 PCB-1254									
1	1	7.257	7.260	-0.003	297221	985.0		100.0	
1	2	8.160	8.163	-0.003	334404	991.0	67.8- 147.8	112.5	
1	3	8.370	8.373	-0.003	546785	963.7	138.1- 218.1	184.0	
1	4	9.177	9.180	-0.003	431452	988.4	101.4- 181.4	145.2	
1	5	9.660	9.663	-0.003	590686	997.6	149.4- 229.4	198.7	
			Average of Peak Amounts =			985.2			
2	6	7.387	7.387	0.000	279832	975.2		100.0	
2	7	7.710	7.710	0.000	304932	974.4	67.8- 147.8	109.0	
2	8	8.483	8.483	0.000	441086	980.5	114.5- 194.5	157.6	
2	9	9.187	9.190	-0.003	192655	984.8	27.0- 107.0	68.8	
2	10	9.803	9.807	-0.004	407145	991.2	98.9- 178.9	145.5	
			Average of Peak Amounts =			981.2			
						RPD = 0.40			
S 15 Polychlorinated biphenyls, Total									
1						1970.2			
2						1947.0			
						RPD = 1.19			

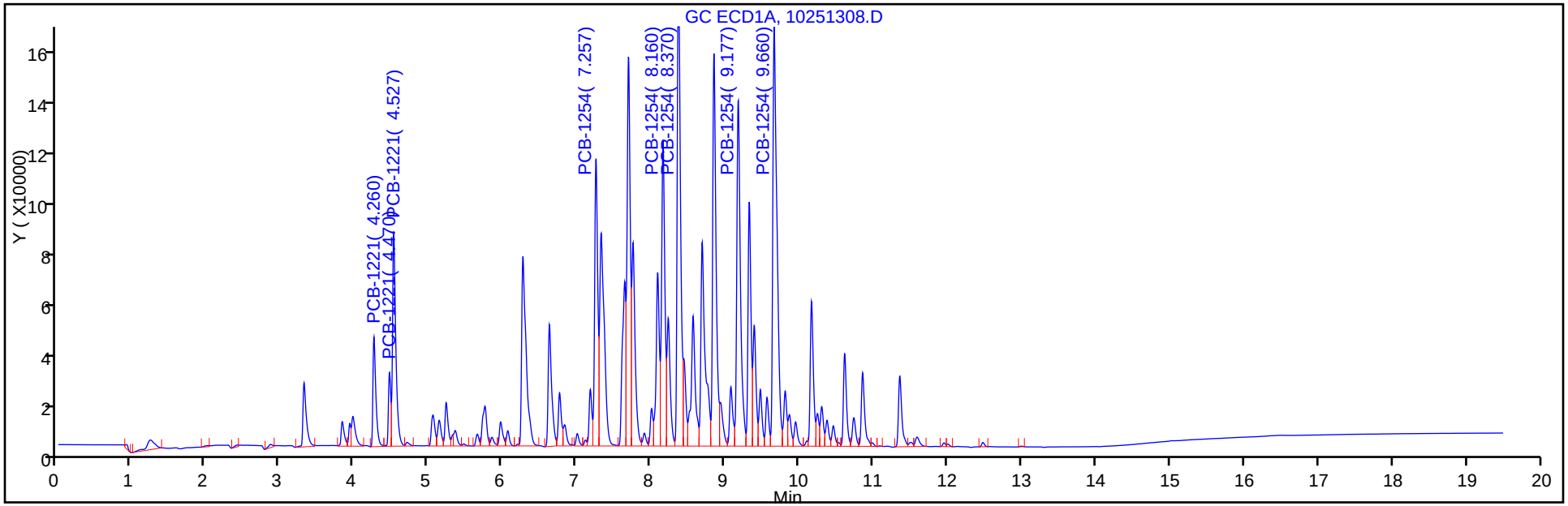
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TestAmerica Denver

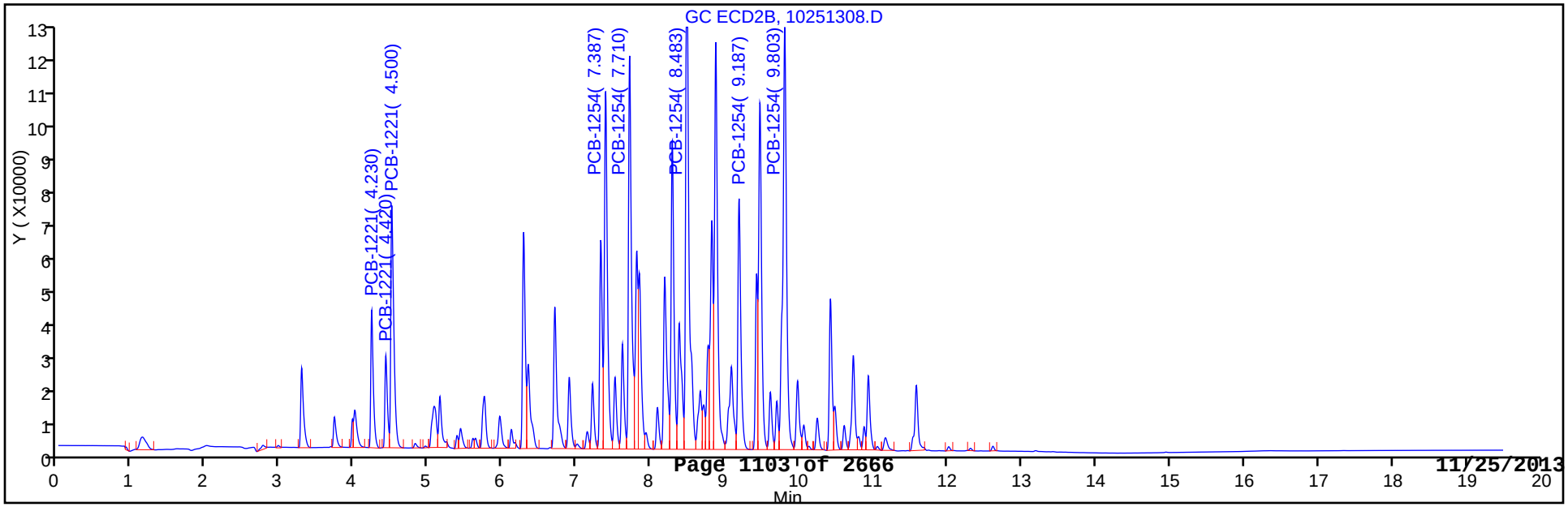
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Injection Date:	25-Oct-2013 17:39:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	8
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D
Lims ID: STDL62154 Client ID:
Inject. Date: 25-Oct-2013 18:02:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL62154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 197868 Lims Sample ID: 9
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:27 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	81557	738.5		100.0	
1	2	4.470	4.470	0.000	45090	745.4	16.6- 96.6	55.3	
1	3	4.527	4.527	0.000	182693	736.9	188.7- 268.7	224.0	
			Average of Peak Amounts =			740.3			
2	4	4.230	4.230	0.000	68689	743.6		100.0	
2	5	4.420	4.420	0.000	45526	746.1	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	148330	746.6	176.2- 256.2	215.9	
			Average of Peak Amounts =			745.4			
						RPD = 0.69			
7 PCB-1254									M
1	1	7.257	7.260	-0.003	223783	736.6		100.0	
1	2	8.163	8.163	0.000	256020	756.3	67.8- 147.8	114.4	M
1	3	8.370	8.373	-0.003	443771	778.8	138.1- 218.1	198.3	M
1	4	9.177	9.180	-0.003	329042	749.7	101.4- 181.4	147.0	M
1	5	9.663	9.663	0.000	446221	750.7	149.4- 229.4	199.4	M
			Average of Peak Amounts =			754.4			
2	6	7.387	7.387	0.000	215942	747.5		100.0	
2	7	7.710	7.710	0.000	235122	746.9	67.8- 147.8	108.9	
2	8	8.483	8.483	0.000	338892	749.3	114.5- 194.5	156.9	
2	9	9.187	9.190	-0.003	147494	749.5	27.0- 107.0	68.3	
2	10	9.803	9.807	-0.004	310807	753.1	98.9- 178.9	143.9	
			Average of Peak Amounts =			749.3			
						RPD = 0.69			
S 15 Polychlorinated biphenyls, Total									
1						1494.7			
2						1494.7			
						RPD = 0.00			

QC Flag Legend

Review Flags
M - Manually Integrated

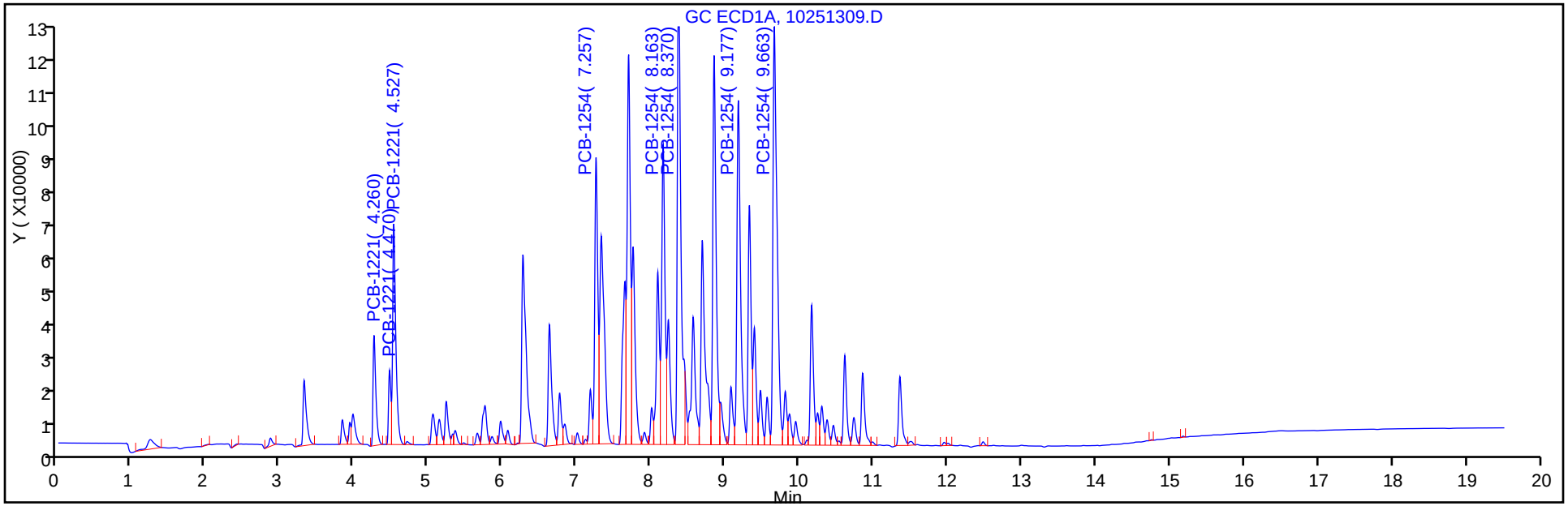
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TestAmerica Denver

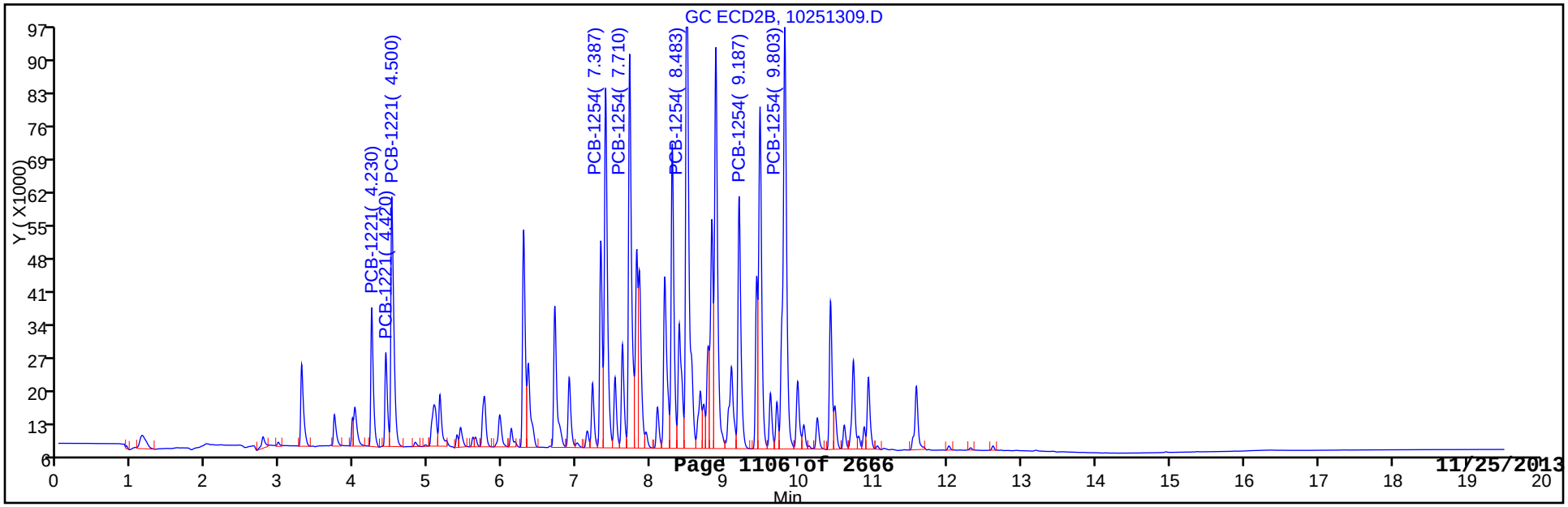
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Injection Date:	25-Oct-2013 18:02:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	9
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251310.D
Lims ID: STDL52154 Client ID:
Inject. Date: 25-Oct-2013 18:25:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STDL52154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 197868 Lims Sample ID: 10
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:25 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:15:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	55314	494.2		100.0	
1	2	4.470	4.470	0.000	31290	509.1	16.6- 96.6	56.6	
1	3	4.527	4.527	0.000	126516	502.8	188.7- 268.7	228.7	
			Average of Peak Amounts =			502.0			
2	4	4.230	4.230	0.000	46952	501.3		100.0	
2	5	4.420	4.420	0.000	31117	502.5	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	101519	502.5	176.2- 256.2	216.2	
			Average of Peak Amounts =			502.1			
						RPD = 0.02			
7 PCB-1254									
1	1	7.260	7.260	0.000	153726	499.7		100.0	
1	2	8.163	8.163	0.000	165763	485.9	67.8- 147.8	107.8	
1	3	8.373	8.373	0.000	273828	473.7	138.1- 218.1	178.1	
1	4	9.180	9.180	0.000	217309	489.3	101.4- 181.4	141.4	
1	5	9.663	9.663	0.000	291119	485.6	149.4- 229.4	189.4	
			Average of Peak Amounts =			486.8			
2	6	7.387	7.387	0.000	145768	497.3		100.0	
2	7	7.710	7.710	0.000	157126	492.7	67.8- 147.8	107.8	
2	8	8.483	8.483	0.000	225158	492.0	114.5- 194.5	154.5	
2	9	9.190	9.190	0.000	97629	489.8	27.0- 107.0	67.0	
2	10	9.807	9.807	0.000	202432	485.3	98.9- 178.9	138.9	
			Average of Peak Amounts =			491.4			
						RPD = 0.93			
S 15 Polychlorinated biphenyls, Total									
1						988.9			
2						993.5			
						RPD = 0.47			

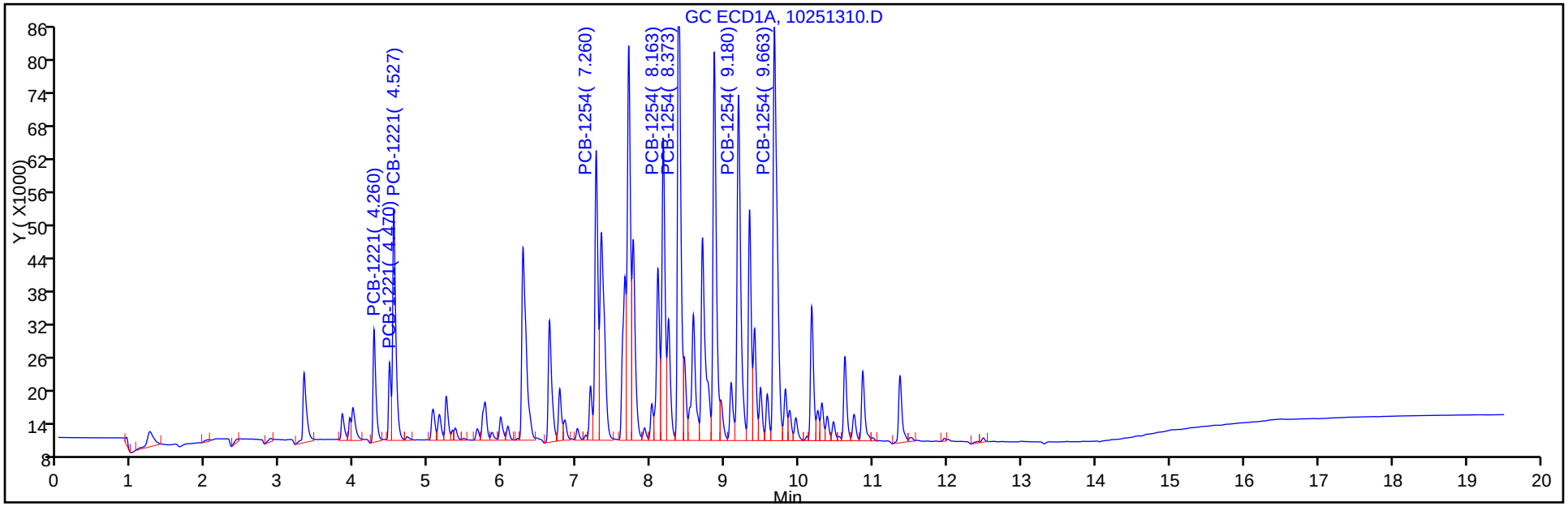
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TestAmerica Denver

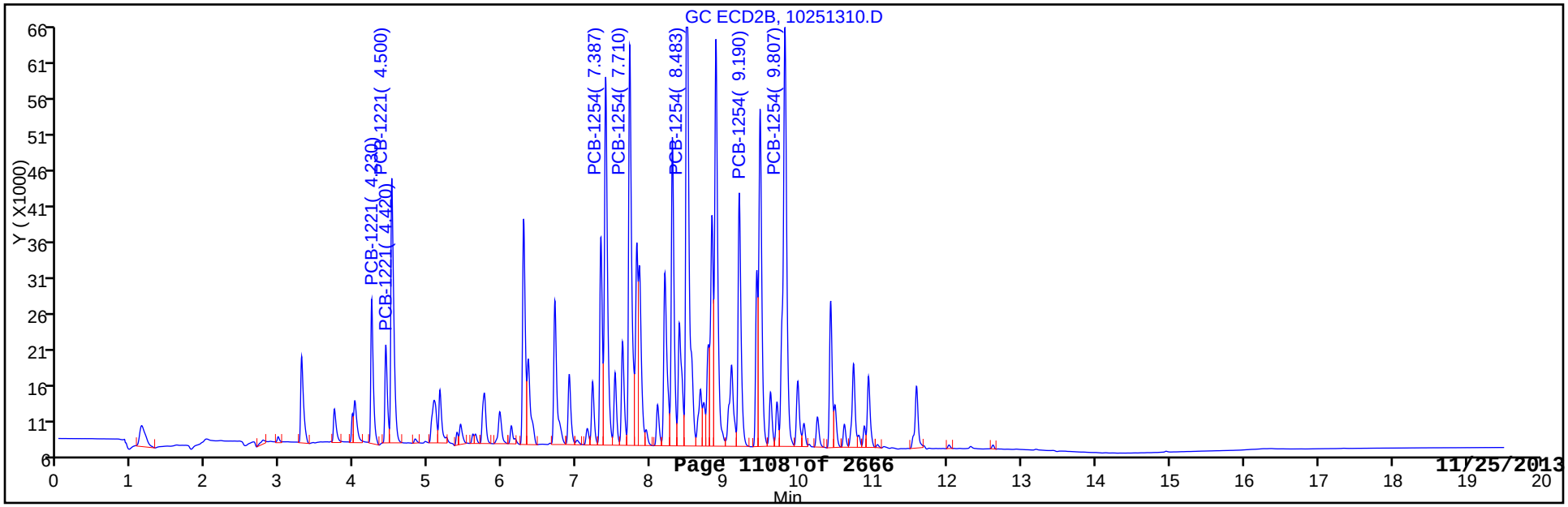
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251310.D

Injection Date:	25-Oct-2013 18:25:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	10
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251311.D
Lims ID: STDL42154 Client ID:
Inject. Date: 25-Oct-2013 18:48:21 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL42154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 197868 Lims Sample ID: 11
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	29983	258.4		100.0	
1	2	4.470	4.470	0.000	17372	270.8	16.6- 96.6	57.9	
1	3	4.527	4.527	0.000	71180	272.1	188.7- 268.7	237.4	
			Average of Peak Amounts =			267.1			
2	4	4.230	4.230	0.000	26150	269.6		100.0	
2	5	4.420	4.420	0.000	17654	274.9	26.3- 106.3	67.5	
2	6	4.500	4.500	0.000	58107	276.2	176.2- 256.2	222.2	
			Average of Peak Amounts =			273.5			
						RPD = 2.37			
7 PCB-1254									M
1	1	7.260	7.260	0.000	85465	268.8		100.0	M
1	2	8.167	8.163	0.004	90266	259.8	67.8- 147.8	105.6	M
1	3	8.377	8.373	0.004	162887	274.6	138.1- 218.1	190.6	M
1	4	9.180	9.180	0.000	120386	263.4	101.4- 181.4	140.9	M
1	5	9.667	9.663	0.004	158367	258.7	149.4- 229.4	185.3	M
			Average of Peak Amounts =			265.1			
2	6	7.387	7.387	0.000	83451	275.1		100.0	
2	7	7.713	7.710	0.003	90541	275.7	67.8- 147.8	108.5	
2	8	8.487	8.483	0.004	126266	268.3	114.5- 194.5	151.3	
2	9	9.190	9.190	0.000	54744	266.4	27.0- 107.0	65.6	
2	10	9.807	9.807	0.000	112078	262.0	98.9- 178.9	134.3	
			Average of Peak Amounts =			269.5			
						RPD = 1.66			
S 15 Polychlorinated biphenyls, Total									
1						532.2			
2						543.0			
						RPD = 2.02			

QC Flag Legend

Review Flags
M - Manually Integrated

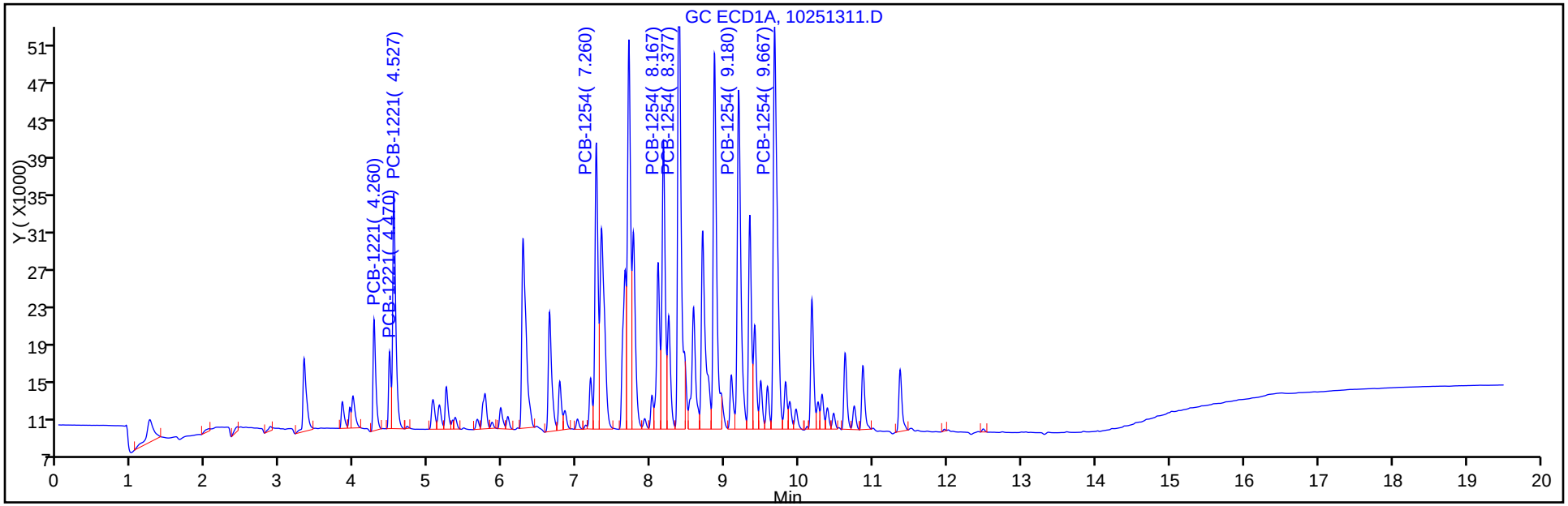
Report Date: 29-Oct-2013 12:13:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

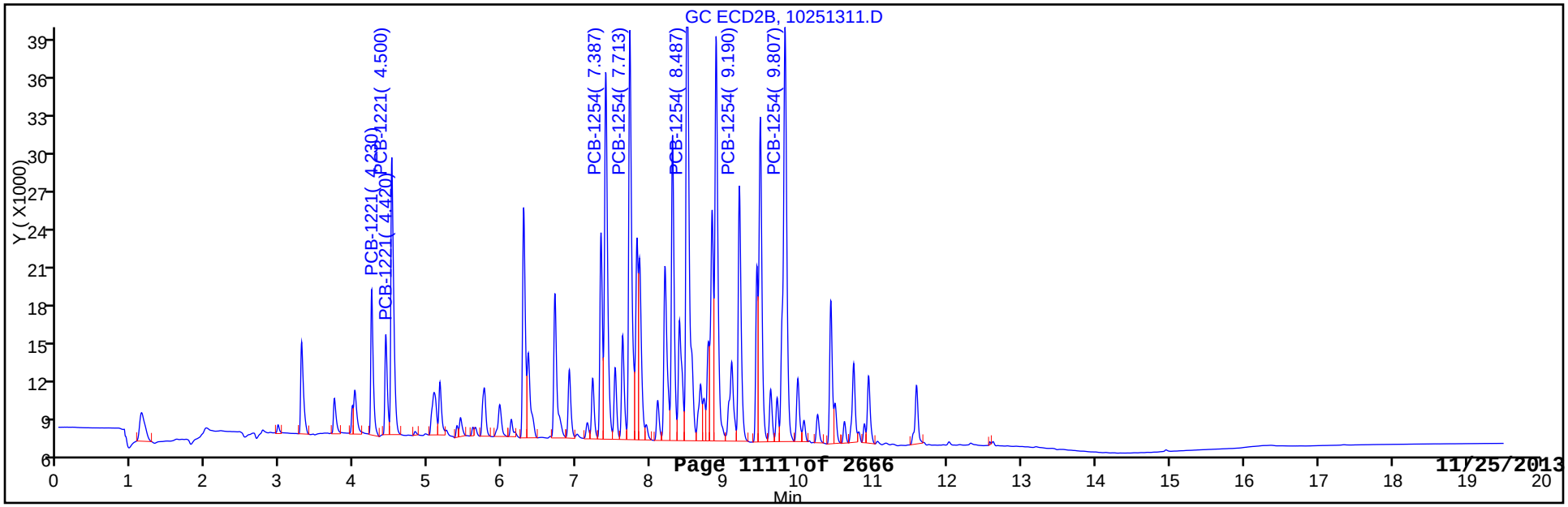
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Injection Date:	25-Oct-2013 18:48:21	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	11
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251312.D
Lims ID: STDL32154 Client ID:
Inject. Date: 25-Oct-2013 19:11:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL32154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 197868 Lims Sample ID: 12
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	13620	106.1		100.0	
1	2	4.473	4.470	0.003	7720	105.5	16.6- 96.6	56.7	
1	3	4.530	4.527	0.003	32711	111.8	188.7- 268.7	240.2	
			Average of Peak Amounts =			107.8			
2	4	4.230	4.230	0.000	12339	115.7		100.0	
2	5	4.420	4.420	0.000	8229	115.5	26.3- 106.3	66.7	
2	6	4.500	4.500	0.000	27630	117.3	176.2- 256.2	223.9	
			Average of Peak Amounts =			116.1			
						RPD = 7.45			
7 PCB-1254									
1	1	7.263	7.260	0.003	39040	111.8		100.0	
1	2	8.170	8.163	0.007	39217	106.9	67.8- 147.8	100.5	
1	3	8.380	8.373	0.007	71945	111.4	138.1- 218.1	184.3	
1	4	9.187	9.180	0.007	54601	110.1	101.4- 181.4	139.9	
1	5	9.670	9.663	0.007	69922	107.6	149.4- 229.4	179.1	
			Average of Peak Amounts =			109.5			
2	6	7.390	7.387	0.003	38031	113.1		100.0	
2	7	7.717	7.710	0.007	41537	116.0	67.8- 147.8	109.2	
2	8	8.490	8.483	0.007	57893	113.7	114.5- 194.5	152.2	
2	9	9.193	9.190	0.003	25157	112.2	27.0- 107.0	66.1	
2	10	9.810	9.807	0.003	50271	109.2	98.9- 178.9	132.2	
			Average of Peak Amounts =			112.9			
						RPD = 3.00			
S 15 Polychlorinated biphenyls, Total									
1						217.3			
2						229.0			
						RPD = 5.23			

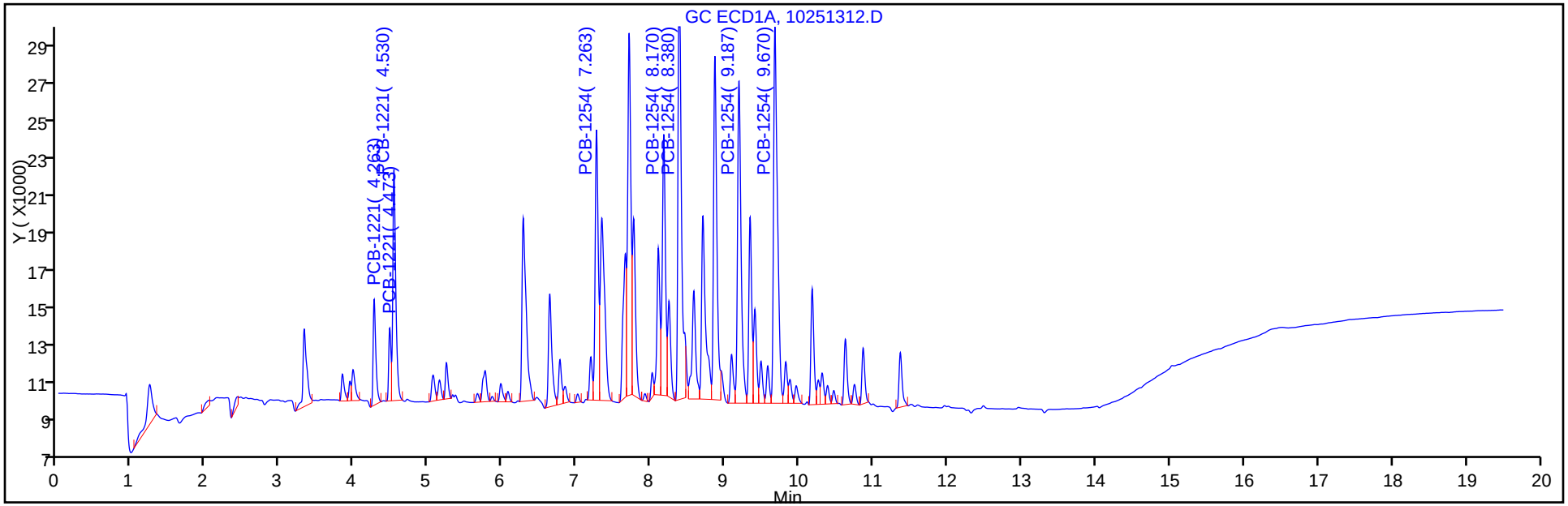
Report Date: 29-Oct-2013 12:13:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

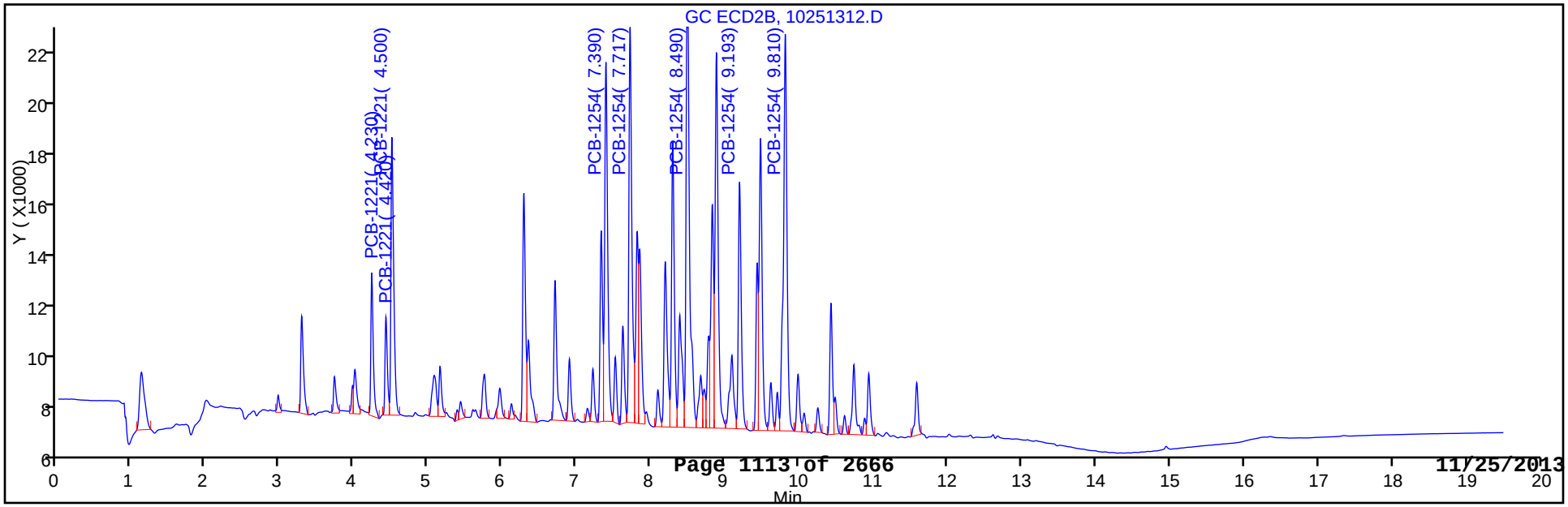
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Injection Date:	25-Oct-2013 19:11:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	12
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D
Lims ID: STDL22154 Client ID:
Inject. Date: 25-Oct-2013 19:34:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL22154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 197868 Lims Sample ID: 13
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:23 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	7669	50.7		100.0	
1	2	4.473	4.470	0.003	4479	50.0	16.6- 96.6	58.4	
1	3	4.530	4.527	0.003	18796	53.8	188.7- 268.7	245.1	
			Average of Peak Amounts =			51.5			
2	4	4.230	4.230	0.000	7001	56.2		100.0	
2	5	4.420	4.420	0.000	4564	53.6	26.3- 106.3	65.2	
2	6	4.503	4.500	0.003	15687	55.0	176.2- 256.2	224.1	
			Average of Peak Amounts =			54.9			
						RPD = 6.38			
7 PCB-1254									
1	1	7.263	7.260	0.003	22088	54.4		100.0	
1	2	8.170	8.163	0.007	21653	54.2	67.8- 147.8	98.0	
1	3	8.380	8.373	0.007	39891	53.8	138.1- 218.1	180.6	
1	4	9.183	9.180	0.003	30635	54.2	101.4- 181.4	138.7	
1	5	9.670	9.663	0.007	38273	53.5	149.4- 229.4	173.3	
			Average of Peak Amounts =			54.0			
2	6	7.390	7.387	0.003	18502	43.5		100.0	
2	7	7.713	7.710	0.003	21132	49.5	67.8- 147.8	114.2	
2	8	8.490	8.483	0.007	30158	50.9	114.5- 194.5	163.0	
2	9	9.193	9.190	0.003	13649	52.3	27.0- 107.0	73.8	
2	10	9.810	9.807	0.003	27778	53.7	98.9- 178.9	150.1	
			Average of Peak Amounts =			50.0			
						RPD = 7.80			
S 15 Polychlorinated biphenyls, Total									
1						105.5			
2						104.9			
						RPD = 0.62			

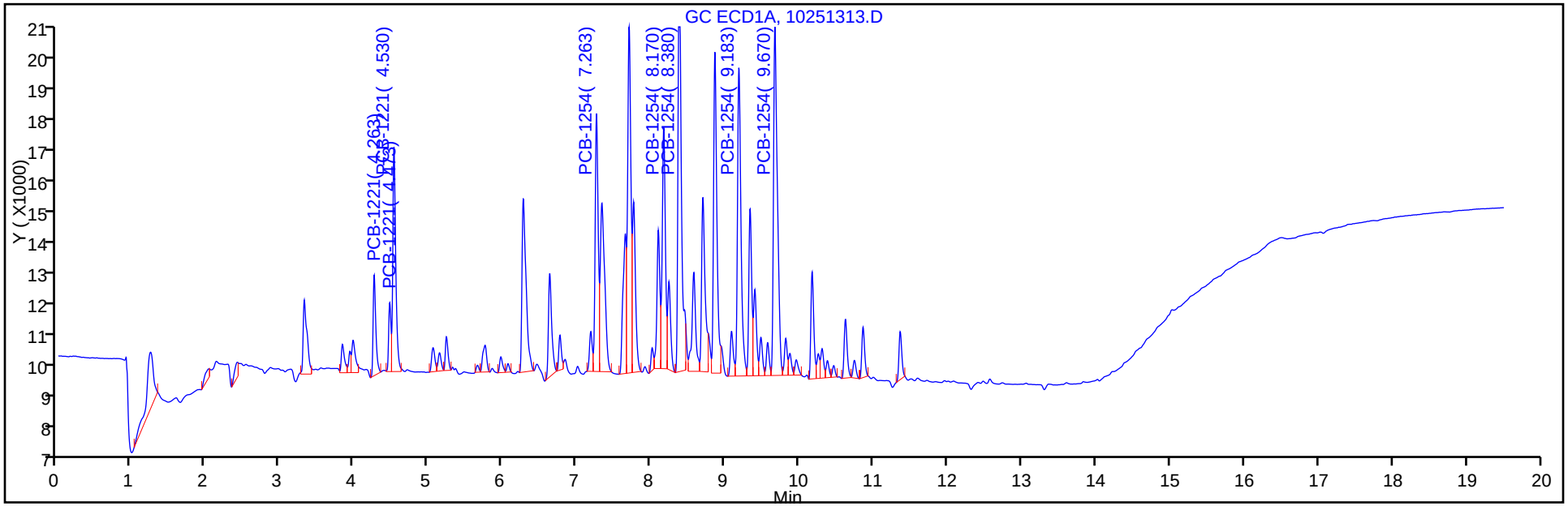
Report Date: 29-Oct-2013 12:13:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

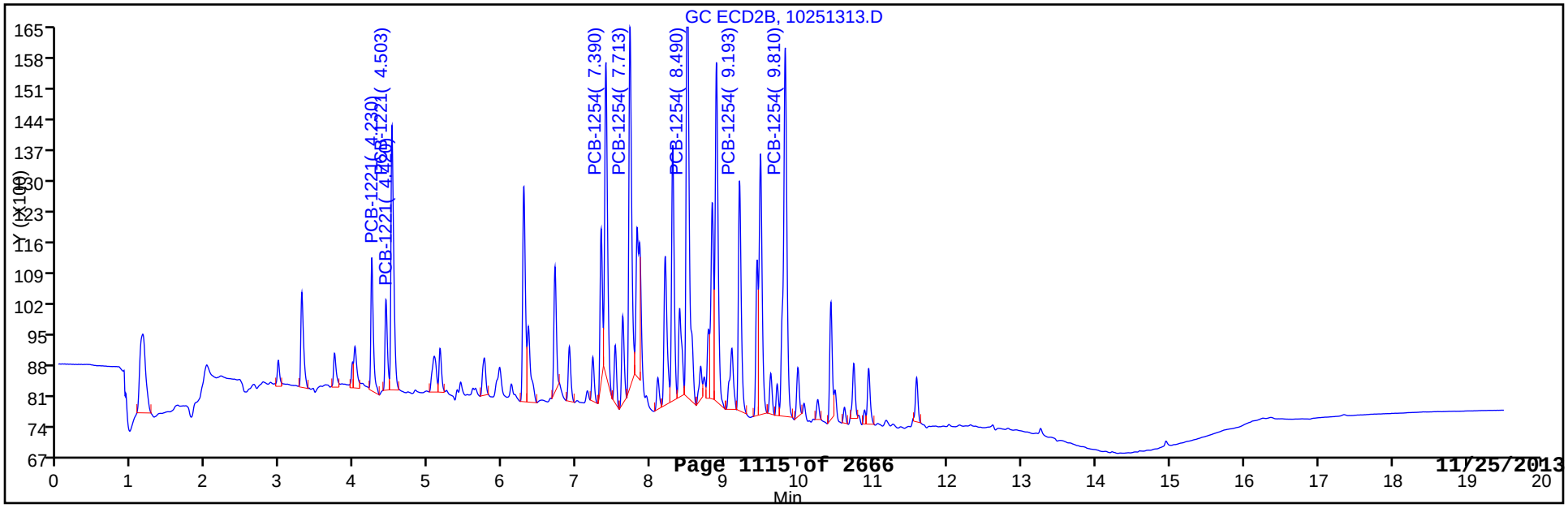
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D

Injection Date:	25-Oct-2013 19:34:37	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	13
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D
Lims ID: STDL12154 Client ID:
Inject. Date: 25-Oct-2013 19:57:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STDL12154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 197868 Lims Sample ID: 14
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:22 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	4671	22.8		100.0	
1	2	4.473	4.470	0.003	2837	21.9	16.6- 96.6	60.7	
1	3	4.530	4.527	0.003	10402	18.8	188.7- 268.7	222.7	
			Average of Peak Amounts =			21.2			
2	4	4.230	4.230	0.000	3475	16.9		100.0	
2	5	4.420	4.420	0.000	2445	17.7	26.3- 106.3	70.4	
2	6	4.503	4.500	0.003	8314	16.5	176.2- 256.2	239.3	
			Average of Peak Amounts =			17.1			
						RPD = 21.55			
7 PCB-1254									
1	1	7.263	7.260	0.003	11563	18.8		100.0	
1	2	8.170	8.163	0.007	10520	20.9	67.8- 147.8	91.0	
1	3	8.380	8.373	0.007	20511	19.0	138.1- 218.1	177.4	
1	4	9.187	9.180	0.007	15893	19.9	101.4- 181.4	137.4	
1	5	9.670	9.663	0.007	19431	21.3	149.4- 229.4	168.0	
			Average of Peak Amounts =			20.0			
2	6	7.390	7.387	0.003	12826	23.3		100.0	
2	7	7.717	7.710	0.007	11997	19.8	67.8- 147.8	93.5	
2	8	8.490	8.483	0.007	16585	20.2	114.5- 194.5	129.3	
2	9	9.193	9.190	0.003	7463	20.1	27.0- 107.0	58.2	
2	10	9.810	9.807	0.003	14370	20.5	98.9- 178.9	112.0	
			Average of Peak Amounts =			20.8			
						RPD = 3.88			
S 15 Polychlorinated biphenyls, Total									
1						41.2			
2						37.8			
						RPD = 8.43			

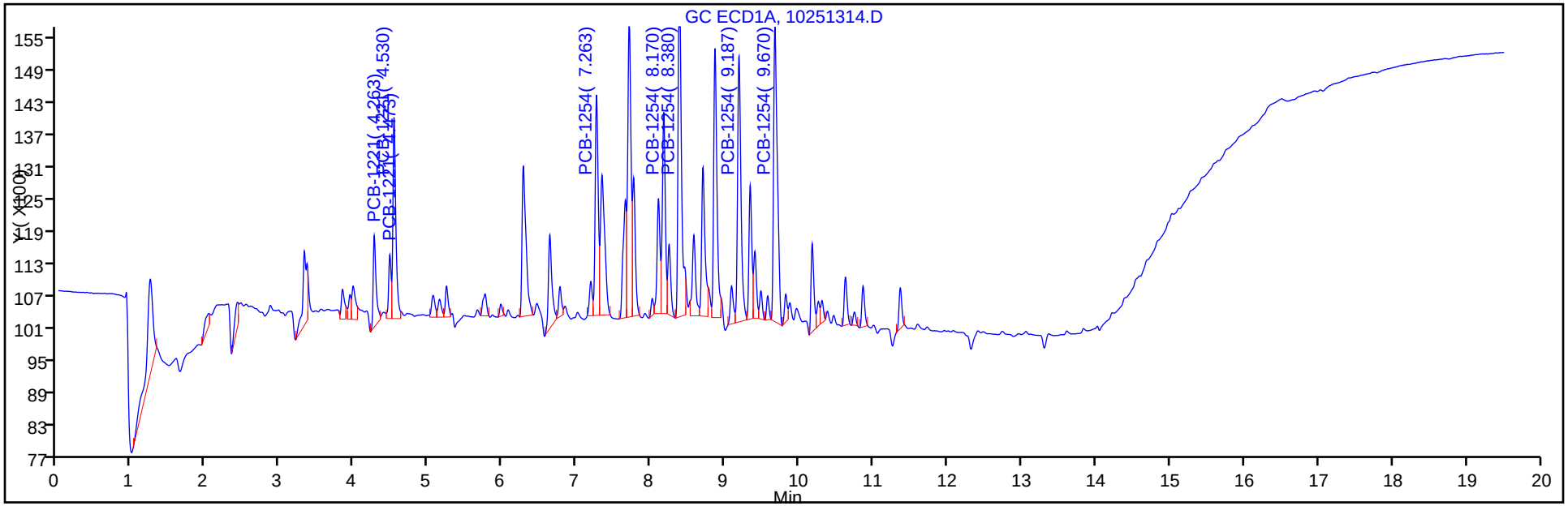
Report Date: 29-Oct-2013 12:13:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

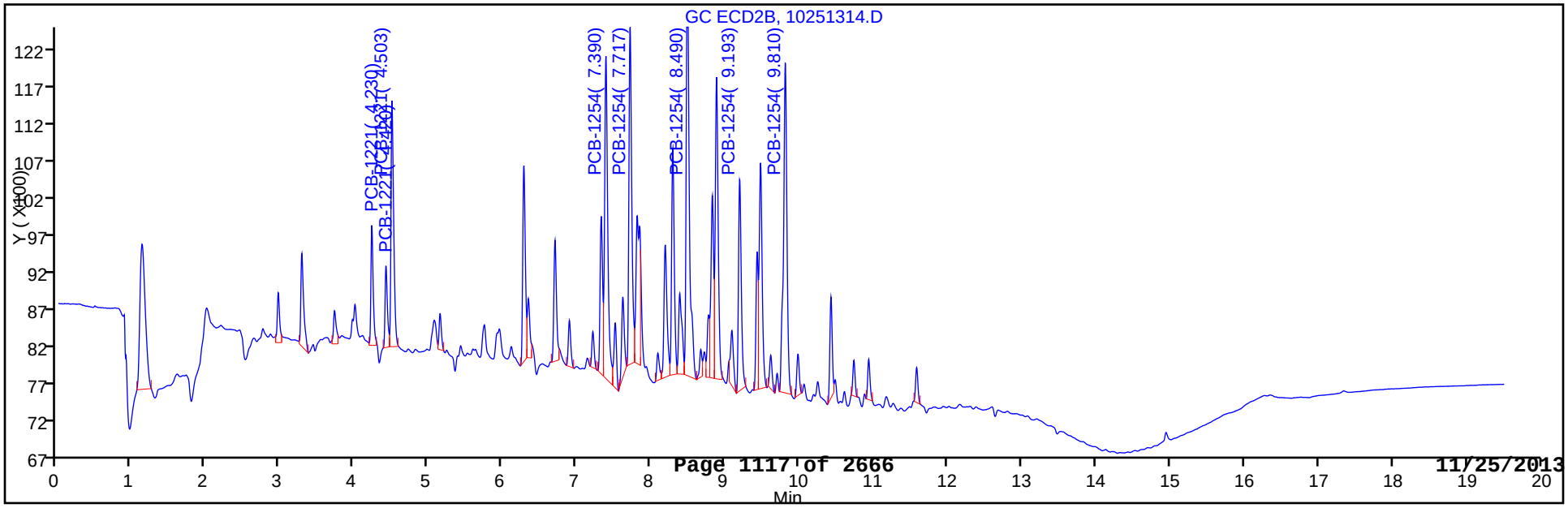
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D

Injection Date:	25-Oct-2013 19:57:48	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	14
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16055

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	5.053	5.053	5.057	5.053	5.057	5.053	5.053				5.017 - 5.097	5.054
PCB-1016 Peak 2	5.757	5.757	5.760	5.760	5.760	5.760	5.757				5.720 - 5.800	5.759
PCB-1016 Peak 3	5.970	5.970	5.973	5.970	5.970	5.970	5.967				5.930 - 6.010	5.970
PCB-1016 Peak 4	6.067	6.067	6.070	6.067	6.067	6.067	6.063				6.027 - 6.107	6.067
PCB-1016 Peak 5	6.630	6.630	6.633	6.630	6.633	6.630	6.630				6.593 - 6.673	6.631
PCB-1260 Peak 1	8.700	8.697	8.697	8.693	8.697	8.693	8.690				8.657 - 8.737	8.695
PCB-1260 Peak 2	9.670	9.667	9.667	9.663	9.663	9.660	9.660				9.623 - 9.703	9.664
PCB-1260 Peak 3	10.307	10.307	10.307	10.303	10.303	10.300	10.300				10.263 - 10.343	10.304
PCB-1260 Peak 4	10.857	10.857	10.857	10.853	10.853	10.853	10.850				10.813 - 10.893	10.854
PCB-1260 Peak 5	11.360	11.357	11.357	11.357	11.357	11.353	11.353				11.317 - 11.397	11.356
Tetrachloro-m-xylene	4.003	4.003	4.003	4.003	4.003	4.003	4.003				3.963 - 4.043	4.003
DCB Decachlorobiphenyl	13.323	13.323	13.323	13.320	13.320	13.320	13.320				13.280 - 13.360	13.321

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16055

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	603.36 388.65	555.50 373.54	501.85 367.73	436.32	Lin1	8233.03068	368.861228							0.9970		0.9900
PCB-1016 Peak 2	926.60 715.06	866.44 706.24	840.86 705.18	772.44	Lin1	7772.36917	703.425202							0.9990		0.9900
PCB-1016 Peak 3	400.28 319.09	365.02 310.31	379.24 309.55	346.39	Lin1	3224.44957	311.043683							0.9980		0.9900
PCB-1016 Peak 4	223.52 210.20	207.44 213.37	218.84 213.60	219.70	Lin1	185.914197	213.159103							1.0000		0.9900
PCB-1016 Peak 5	552.96 343.65	467.46 337.09	427.39 340.89	339.20	Lin1	6236.65814	331.442016							0.9990		0.9900
PCB-1260 Peak 1	696.12 458.14	628.98 470.97	585.95 455.17	523.32	Lin1	8002.06572	455.974407							0.9980		0.9900
PCB-1260 Peak 2	1012.1 760.18	925.28 774.64	884.39 746.55	836.45	Lin1	8417.19631	754.322851							0.9990		0.9900
PCB-1260 Peak 3	504.00 381.23	449.00 375.76	454.44 352.77	413.37	Lin1	4833.48066	364.565097							0.9970		0.9900
PCB-1260 Peak 4	1048.8 846.62	967.80 861.26	970.13 781.64	913.48	Lin1	8323.86094	819.670270							0.9970		0.9900
PCB-1260 Peak 5	571.04 434.71	536.68 430.88	530.14 445.58	473.82	Lin1	4767.73906	435.625730							0.9990		0.9900
Tetrachloro-m-xylene	10426 8991.6	10422 9028.1	10086 9182.2	9514.8	Lin1	2691.12837	9062.19889							0.9990		0.9900
DCB Decachlorobiphenyl	10212 7510.5	9980.4 7620.3	9432.8 7696.7	8100.4	Lin1	4905.41469	7552.56147							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16055

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Lin1	15084 280156	27775 367730	50185	109079	194326	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 2	Lin1	23165 529683	43322 705176	84086	193109	357528	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 3	Lin1	10007 232736	18251 309553	37924	86598	159544	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 4	Lin1	5588 160029	10372 213603	21884	54925	105101	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 5	Lin1	13824 252820	23373 340885	42739	84799	171824	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 1	Lin1	17403 353224	31449 455174	58595	130829	229072	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 2	Lin1	25303 580977	46264 746547	88439	209113	380091	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 3	Lin1	12600 281821	22450 352771	45444	103343	190617	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 4	Lin1	26220 645944	48390 781639	97013	228371	423308	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 5	Lin1	14276 323163	26834 445575	53014	118456	217355	25.0 750	50.0 1000	100	250	500
Tetrachloro-m-xylene	Lin1	13033 338555	26056 459108	50430	118935	224790	1.25 37.5	2.50 50.0	5.00	12.5	25.0
DCB Decachlorobiphenyl	Lin1	12765 285762	24951 384834	47164	101255	187762	1.25 37.5	2.50 50.0	5.00	12.5	25.0

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251315.D
Lims ID: STDL71660 Client ID:
Inject. Date: 25-Oct-2013 20:21:01 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL71660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 197868 Lims Sample ID: 15
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:21 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:24:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	459108	50.4			
2	2	3.823	3.823	0.000	364446	50.4			
						RPD = 0.09			
5 PCB-1016									
1	1	5.053	5.057	-0.004	367730	974.6		100.0	
1	2	5.757	5.760	-0.003	705176	991.4	144.0- 224.0	191.8	
1	3	5.967	5.970	-0.003	309553	984.8	42.1- 122.1	84.2	
1	4	6.063	6.067	-0.004	213603	1001.2	14.1- 94.1	58.1	
1	5	6.630	6.633	-0.003	340885	1009.7	48.4- 128.4	92.7	
			Average of Peak Amounts =			992.4			
2	6	4.500	4.500	0.000	146085	990.1		100.0	
2	7	5.080	5.080	0.000	299159	967.5	168.4- 248.4	204.8	
2	8	5.747	5.750	-0.003	538071	988.3	317.6- 397.6	368.3	
2	9	5.957	5.957	0.000	253455	988.5	127.5- 207.5	173.5	
2	10	6.280	6.280	0.000	132153	991.9	47.1- 127.1	90.5	
			Average of Peak Amounts =			985.3			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.690	8.697	-0.007	455174	980.7		100.0	
1	2	9.660	9.663	-0.003	746547	978.5	125.9- 205.9	164.0	
1	3	10.300	10.303	-0.003	352771	954.4	43.2- 123.2	77.5	
1	4	10.850	10.853	-0.003	781639	943.4	144.8- 224.8	171.7	
1	5	11.353	11.357	-0.004	445575	1011.9	54.9- 134.9	97.9	
			Average of Peak Amounts =			973.8			
2	6	8.820	8.823	-0.003	352618	993.6		100.0	
2	7	9.187	9.187	0.000	376735	993.1	67.1- 147.1	106.8	
2	8	9.963	9.967	-0.004	247190	997.7	29.7- 109.7	70.1	
2	9	10.477	10.480	-0.003	271702	1004.9	35.3- 115.3	77.1	
2	10	10.927	10.930	-0.003	537757	1001.3	108.5- 188.5	152.5	
			Average of Peak Amounts =			998.1			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	384834	50.3			
2	2	13.590	13.590	0.000	258239	49.9			
						RPD = 0.79			
S 15 Polychlorinated biphenyls, Total									
1						1966.1			
2						1983.4			
						RPD = 0.87			

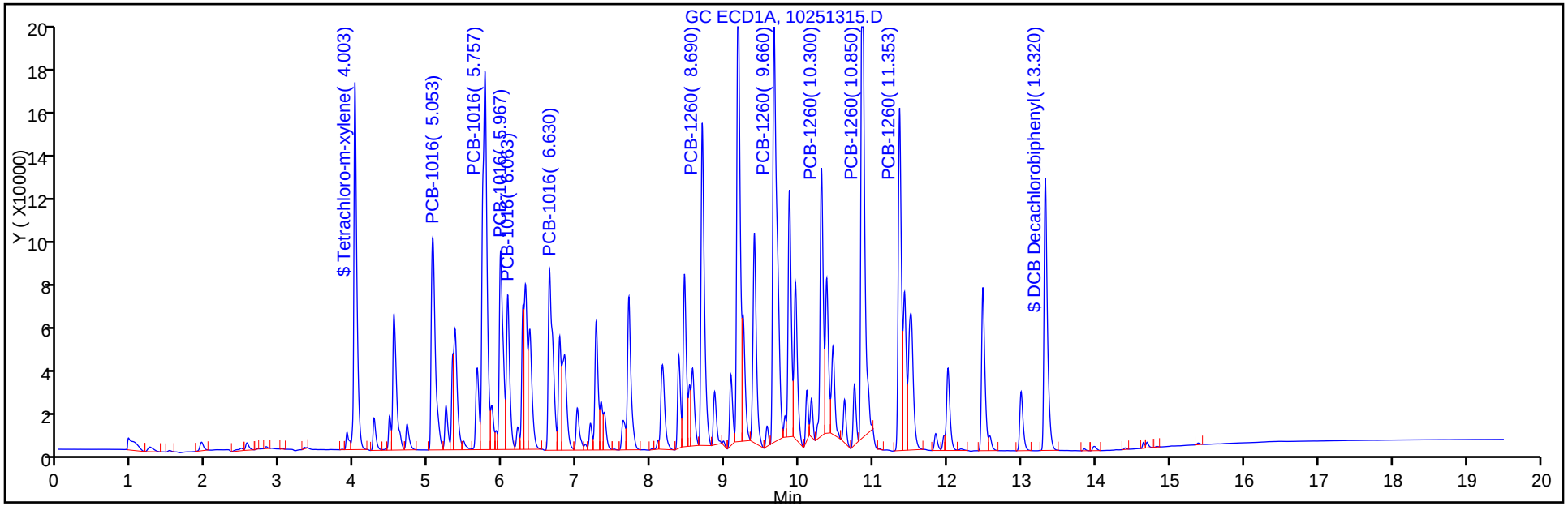
Report Date: 29-Oct-2013 12:13:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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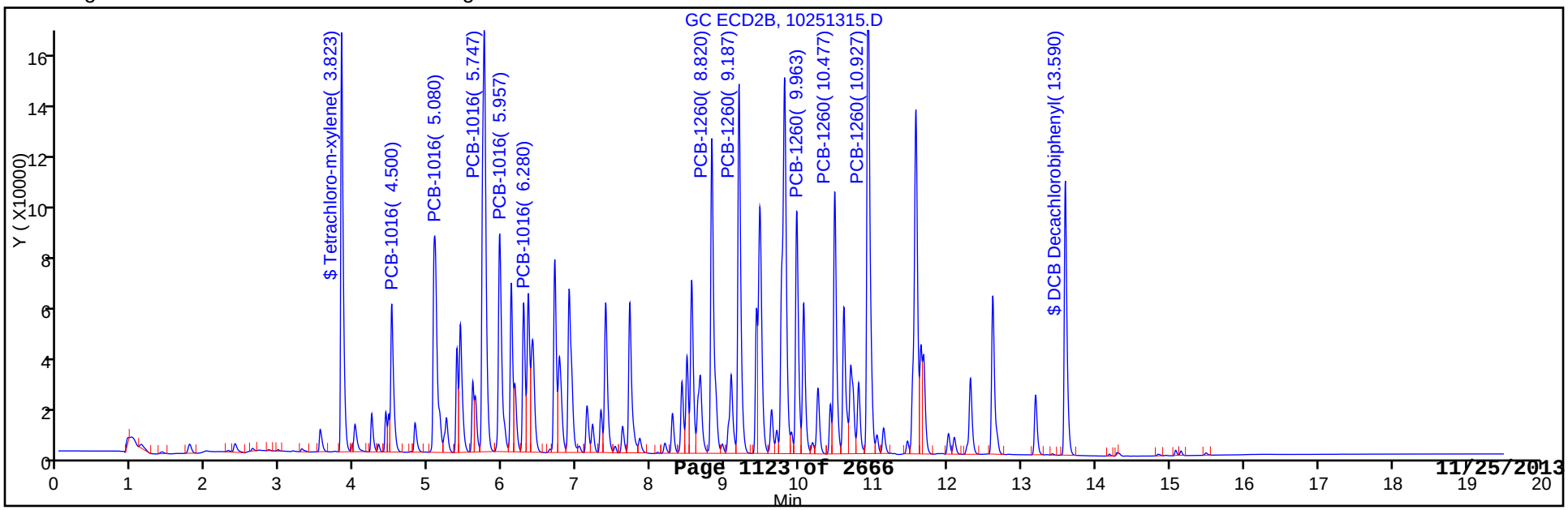
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251315.D

Injection Date:	25-Oct-2013 20:21:01	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	15
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251316.D
Lims ID: STDL61660 Client ID:
Inject. Date: 25-Oct-2013 20:44:14 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL61660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 197868 Lims Sample ID: 16
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:19 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	338555	37.1			
2	2	3.823	3.823	0.000	270312	37.3			
						RPD = 0.53			
5 PCB-1016									
1	1	5.053	5.057	-0.004	280156	737.2		100.0	
1	2	5.760	5.760	0.000	529683	742.0	144.0- 224.0	189.1	
1	3	5.970	5.970	0.000	232736	737.9	42.1- 122.1	83.1	
1	4	6.067	6.067	0.000	160029	749.9	14.1- 94.1	57.1	
1	5	6.630	6.633	-0.003	252820	744.0	48.4- 128.4	90.2	
			Average of Peak Amounts =			742.2			
2	6	4.500	4.500	0.000	107417	722.5		100.0	
2	7	5.080	5.080	0.000	229297	735.8	168.4- 248.4	213.5	
2	8	5.750	5.750	0.000	403509	736.8	317.6- 397.6	375.6	
2	9	5.957	5.957	0.000	190170	736.3	127.5- 207.5	177.0	
2	10	6.280	6.280	0.000	98745	735.2	47.1- 127.1	91.9	
			Average of Peak Amounts =			733.3			
						RPD = 1.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.693	8.697	-0.004	353224	757.1		100.0	
1	2	9.660	9.663	-0.003	580977	759.0	125.9- 205.9	164.5	
1	3	10.300	10.303	-0.003	281821	759.8	43.2- 123.2	79.8	
1	4	10.853	10.853	0.000	645944	777.9	144.8- 224.8	182.9	
1	5	11.353	11.357	-0.004	323163	730.9	54.9- 134.9	91.5	
			Average of Peak Amounts =			756.9			
2	6	8.820	8.823	-0.003	263950	738.9		100.0	
2	7	9.187	9.187	0.000	282172	738.4	67.1- 147.1	106.9	
2	8	9.967	9.967	0.000	183444	736.2	29.7- 109.7	69.5	
2	9	10.480	10.480	0.000	199946	735.5	35.3- 115.3	75.8	
2	10	10.930	10.930	0.000	401200	743.6	108.5- 188.5	152.0	
			Average of Peak Amounts =			738.5			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	285762	37.2			
2	2	13.590	13.590	0.000	192336	36.9			
						RPD = 0.66			
S 15 Polychlorinated biphenyls, Total									
1						1499.1			
2						1471.8			
						RPD = 1.84			

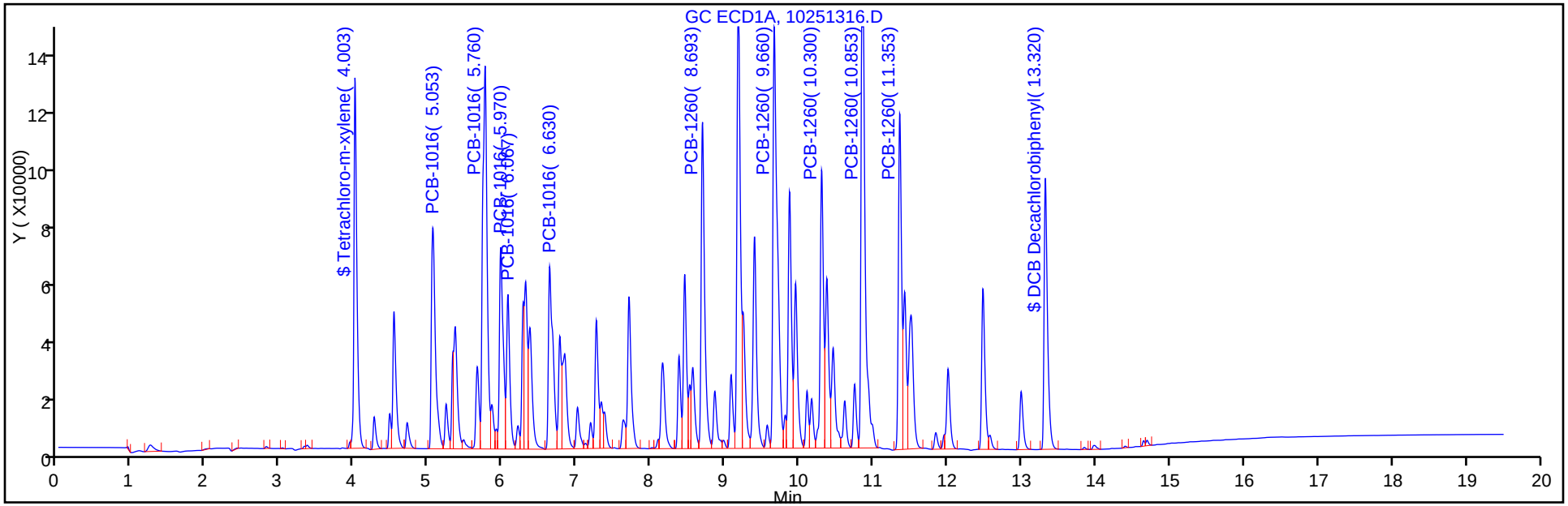
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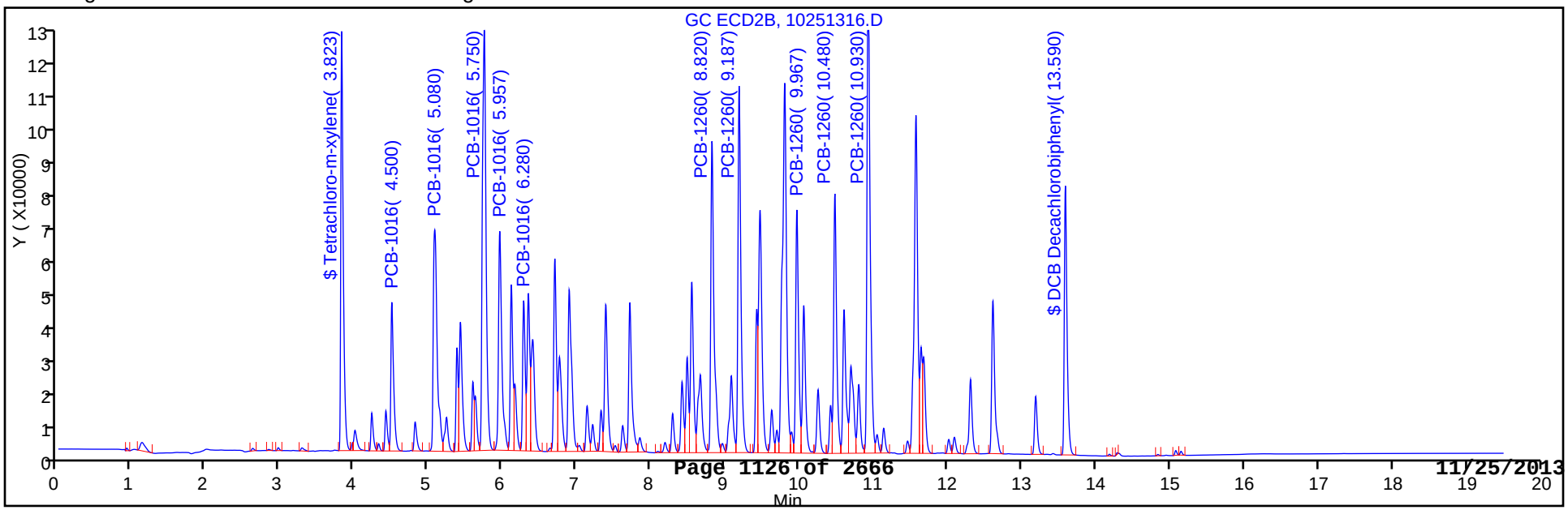
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251316.D

Injection Date:	25-Oct-2013 20:44:14	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	16
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251317.D		
Lims ID:	STDL51660	Client ID:	
Inject. Date:	25-Oct-2013 21:07:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	197868	Lims Sample ID:	17
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:18	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:16:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	224790	24.5			
2	2	3.823	3.823	0.000	177880	24.3			
						RPD = 0.65			
5 PCB-1016									
1	1	5.057	5.057	0.000	194326	504.5		100.0	
1	2	5.760	5.760	0.000	357528	497.2	144.0- 224.0	184.0	
1	3	5.970	5.970	0.000	159544	502.6	42.1- 122.1	82.1	
1	4	6.067	6.067	0.000	105101	492.2	14.1- 94.1	54.1	
1	5	6.633	6.633	0.000	171824	499.6	48.4- 128.4	88.4	
			Average of Peak Amounts =			499.2			
2	6	4.500	4.500	0.000	76818	510.7		100.0	
2	7	5.080	5.080	0.000	160069	506.2	168.4- 248.4	208.4	
2	8	5.750	5.750	0.000	274707	496.2	317.6- 397.6	357.6	
2	9	5.957	5.957	0.000	128707	491.4	127.5- 207.5	167.5	
2	10	6.280	6.280	0.000	66907	490.5	47.1- 127.1	87.1	
			Average of Peak Amounts =			499.0			
						RPD = 0.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	229072	484.8		100.0	
1	2	9.663	9.663	0.000	380091	492.7	125.9- 205.9	165.9	
1	3	10.303	10.303	0.000	190617	509.6	43.2- 123.2	83.2	
1	4	10.853	10.853	0.000	423308	506.3	144.8- 224.8	184.8	
1	5	11.357	11.357	0.000	217355	488.0	54.9- 134.9	94.9	
			Average of Peak Amounts =			496.3			
2	6	8.823	8.823	0.000	178979	494.9		100.0	
2	7	9.187	9.187	0.000	191602	494.4	67.1- 147.1	107.1	
2	8	9.967	9.967	0.000	124754	495.5	29.7- 109.7	69.7	
2	9	10.480	10.480	0.000	134753	490.6	35.3- 115.3	75.3	
2	10	10.930	10.930	0.000	265729	487.9	108.5- 188.5	148.5	
			Average of Peak Amounts =			492.7			
						RPD = 0.74			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	187762	24.2			
2	2	13.590	13.590	0.000	129334	24.5			
						RPD = 1.37			
S 15 Polychlorinated biphenyls, Total									
1						995.5			
2						991.6			
						RPD = 0.39			

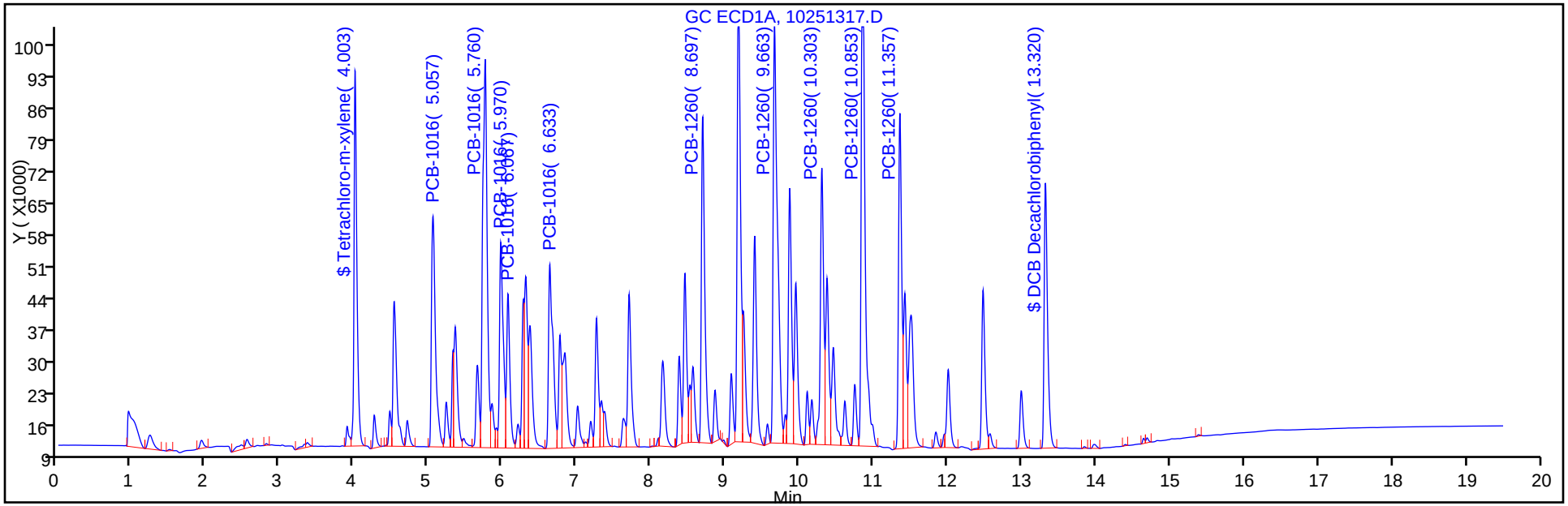
Report Date: 29-Oct-2013 12:13:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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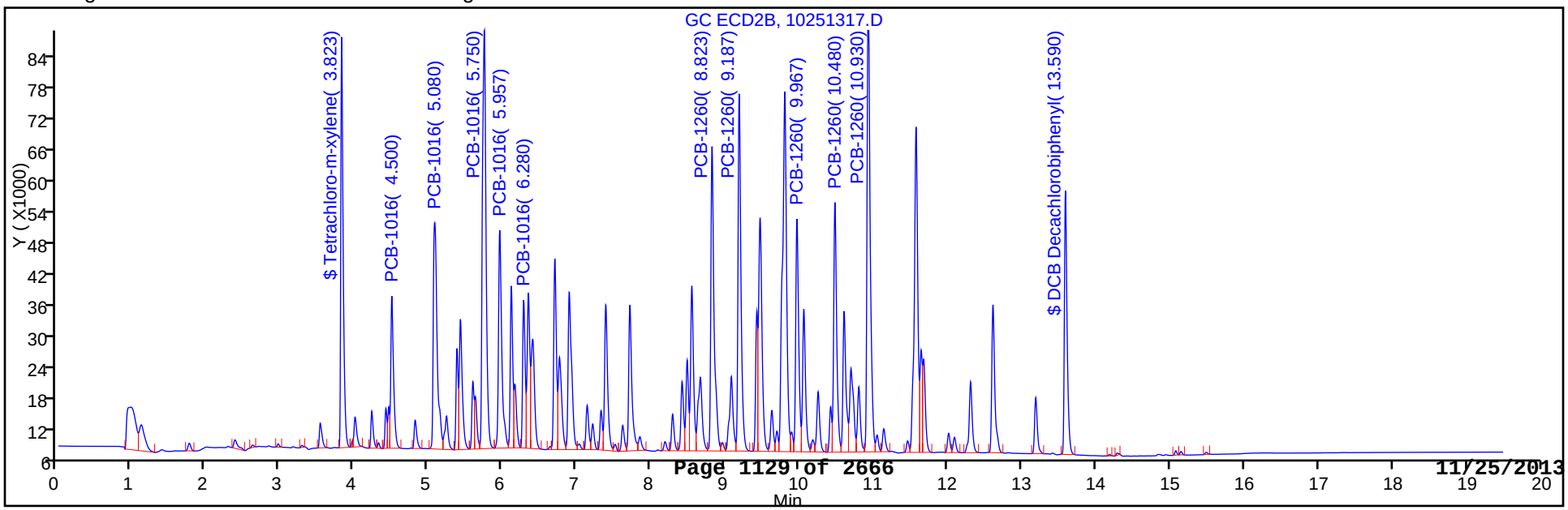
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Injection Date:	25-Oct-2013 21:07:40	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	17
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251318.D
Lims ID: STDL41660 Client ID:
Inject. Date: 25-Oct-2013 21:30:49 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL41660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 197868 Lims Sample ID: 18
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:17 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:30:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	118935	12.8			
2	2	3.823	3.823	0.000	94793	12.7			
						RPD = 0.66			
5 PCB-1016									M
1	1	5.053	5.057	-0.004	109079	273.4		100.0	
1	2	5.760	5.760	0.000	193109	263.5	144.0- 224.0	177.0	M
1	3	5.970	5.970	0.000	86598	268.0	42.1- 122.1	79.4	M
1	4	6.067	6.067	0.000	54925	256.8	14.1- 94.1	50.4	M
1	5	6.630	6.633	-0.003	84799	237.0	48.4- 128.4	77.7	
			Average of Peak Amounts =			259.8			
2	6	4.500	4.500	0.000	41562	266.7		100.0	
2	7	5.080	5.080	0.000	90998	277.2	168.4- 248.4	218.9	
2	8	5.747	5.750	-0.003	153651	269.9	317.6- 397.6	369.7	
2	9	5.957	5.957	0.000	74351	274.8	127.5- 207.5	178.9	
2	10	6.280	6.280	0.000	38387	271.3	47.1- 127.1	92.4	
			Average of Peak Amounts =			272.0			
						RPD = 4.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	130829	269.4		100.0	M
1	2	9.663	9.663	0.000	209113	266.1	125.9- 205.9	159.8	M
1	3	10.303	10.303	0.000	103343	270.2	43.2- 123.2	79.0	M
1	4	10.853	10.853	0.000	228371	268.5	144.8- 224.8	174.6	M
1	5	11.357	11.357	0.000	118456	261.0	54.9- 134.9	90.5	
			Average of Peak Amounts =			267.0			
2	6	8.823	8.823	0.000	98871	264.8		100.0	
2	7	9.190	9.187	0.003	106199	264.4	67.1- 147.1	107.4	
2	8	9.970	9.967	0.003	68113	263.1	29.7- 109.7	68.9	
2	9	10.480	10.480	0.000	73518	260.6	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	144951	260.0	108.5- 188.5	146.6	
			Average of Peak Amounts =			262.6			
						RPD = 1.68			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	101255	12.8			
2	2	13.590	13.590	0.000	71397	13.1			
						RPD = 2.98			
S 15 Polychlorinated biphenyls, Total									
1						526.8			
2						534.5			
						RPD = 1.47			

QC Flag Legend

Review Flags
M - Manually Integrated

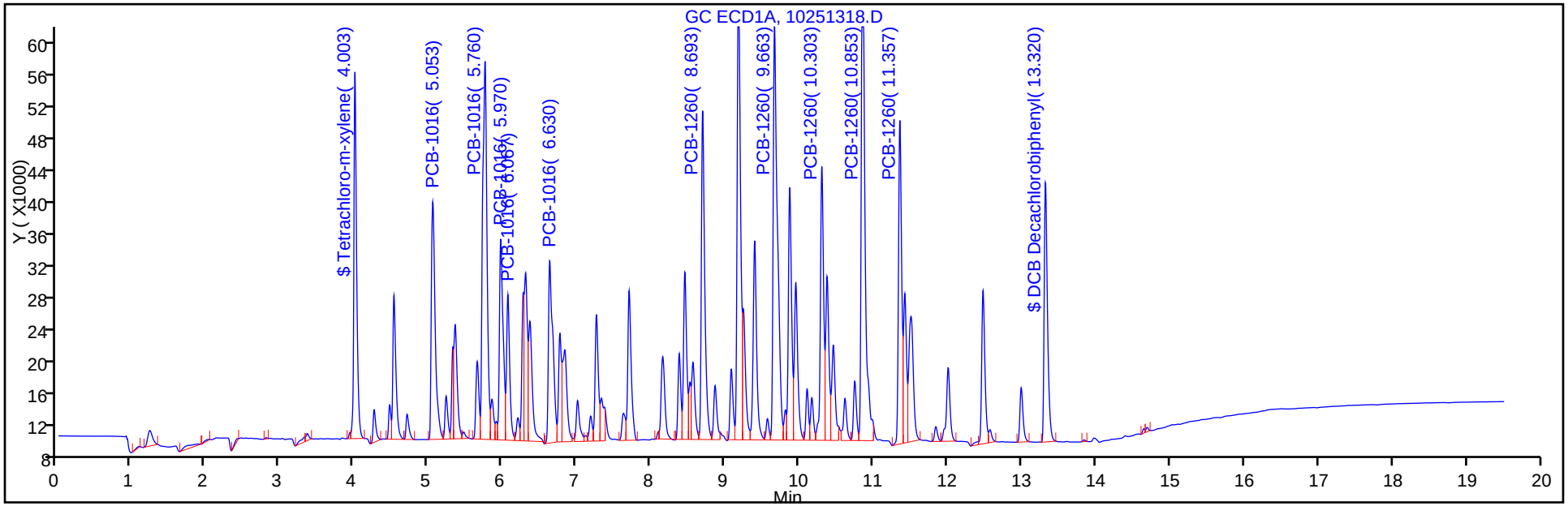
Report Date: 29-Oct-2013 12:13:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

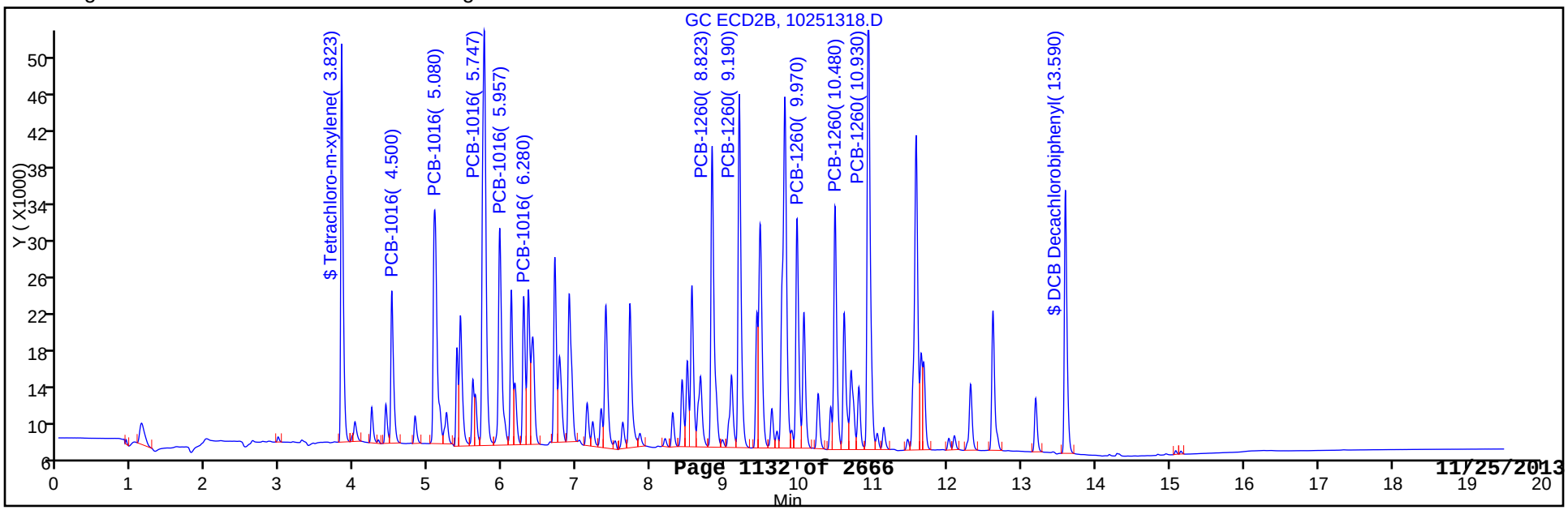
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Injection Date:	25-Oct-2013 21:30:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



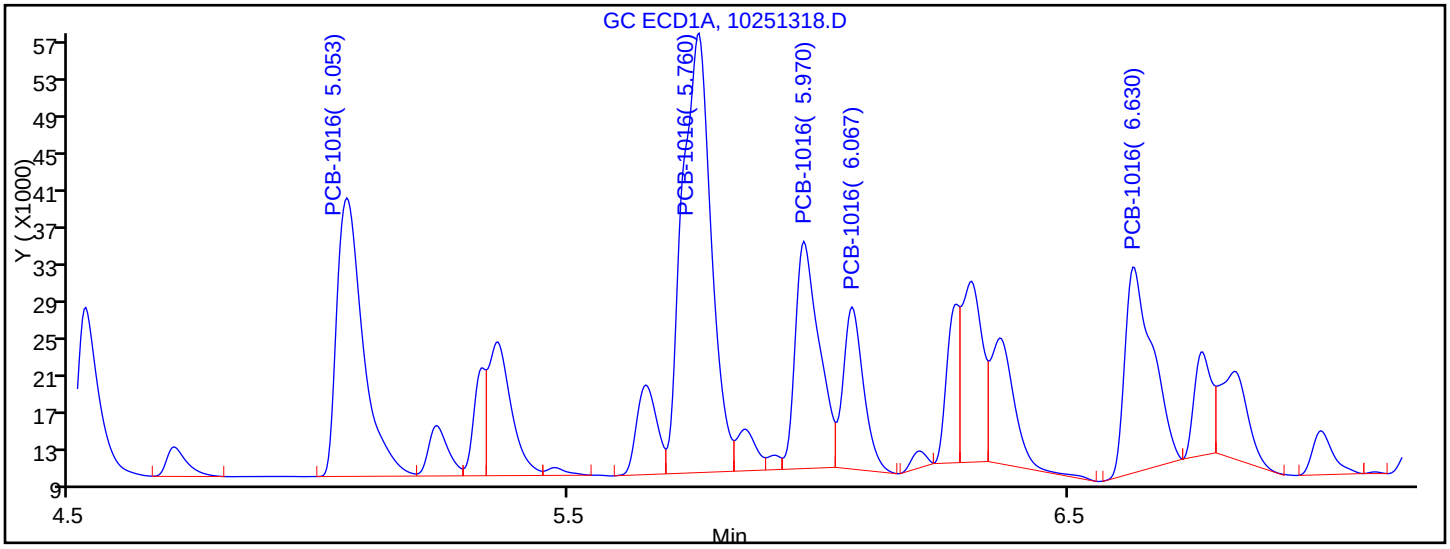
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TestAmerica Denver

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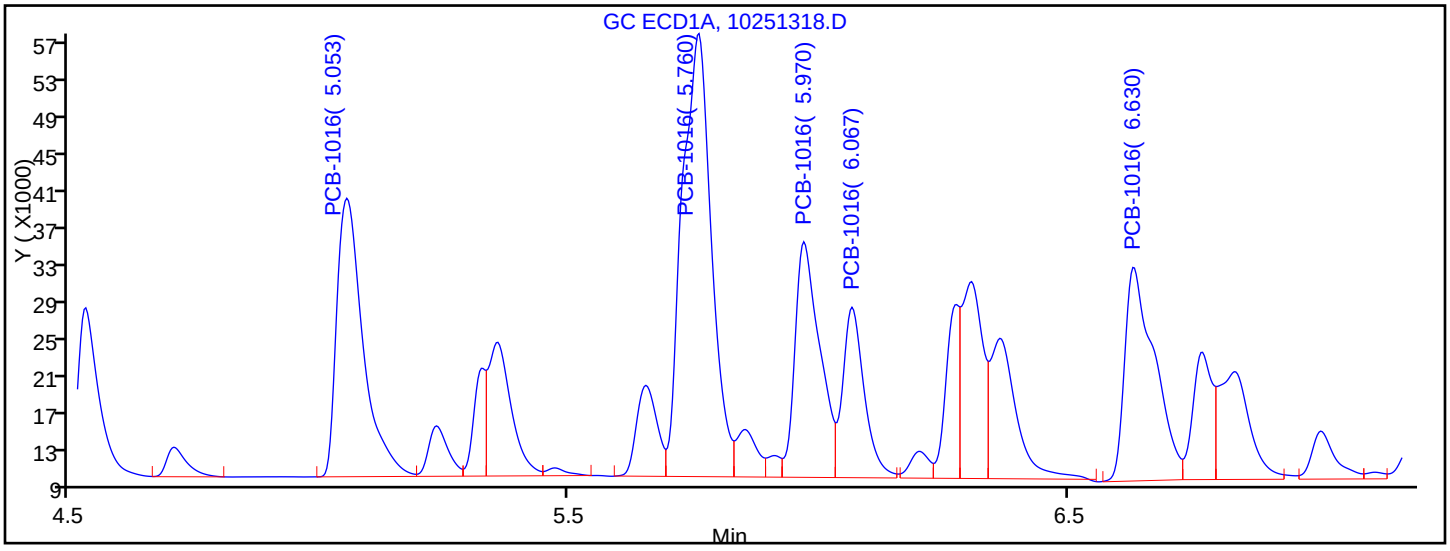
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Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

5 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.053	Response = 109079	
RT = 5.760	Response = 189845	M
RT = 5.970	Response = 80700	M
RT = 6.067	Response = 49497	M
RT = 6.630	Response = 84799	



Manual Integration Results

RT = 5.053	Response = 109079	
RT = 5.760	Response = 193109	M
RT = 5.970	Response = 86598	M
RT = 6.067	Response = 54925	M
RT = 6.630	Response = 84799	

Reviewer: jacksonto, 26-Oct-2013 10:32:51

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

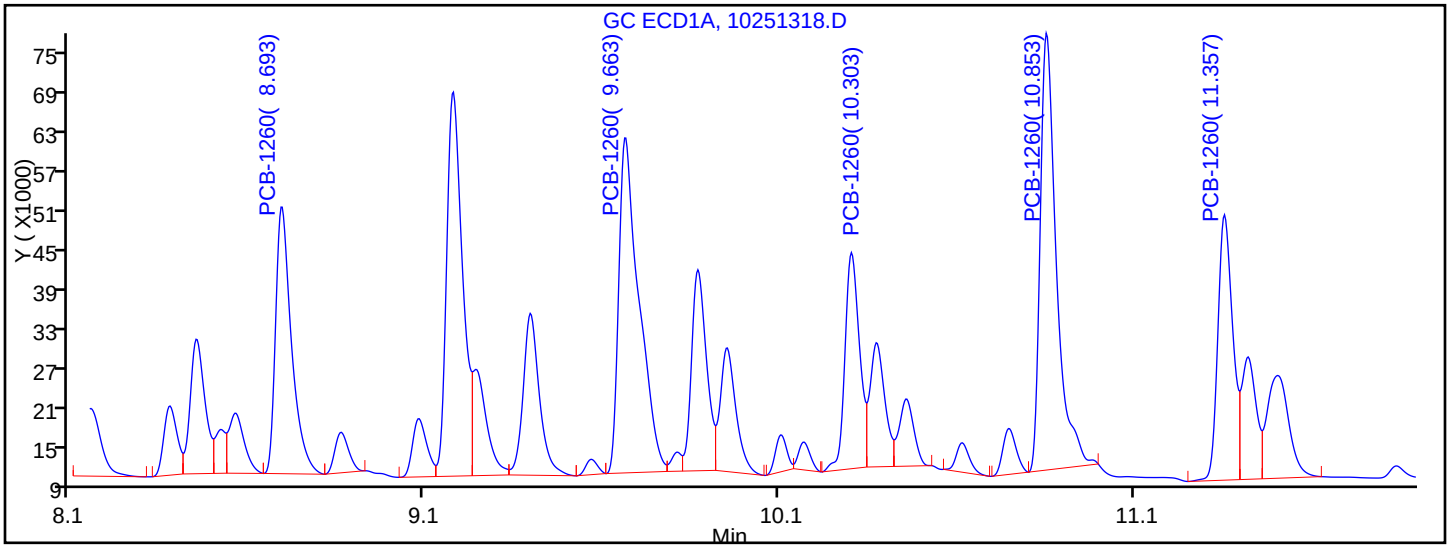
Report Date: 29-Oct-2013 12:13:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251318.D

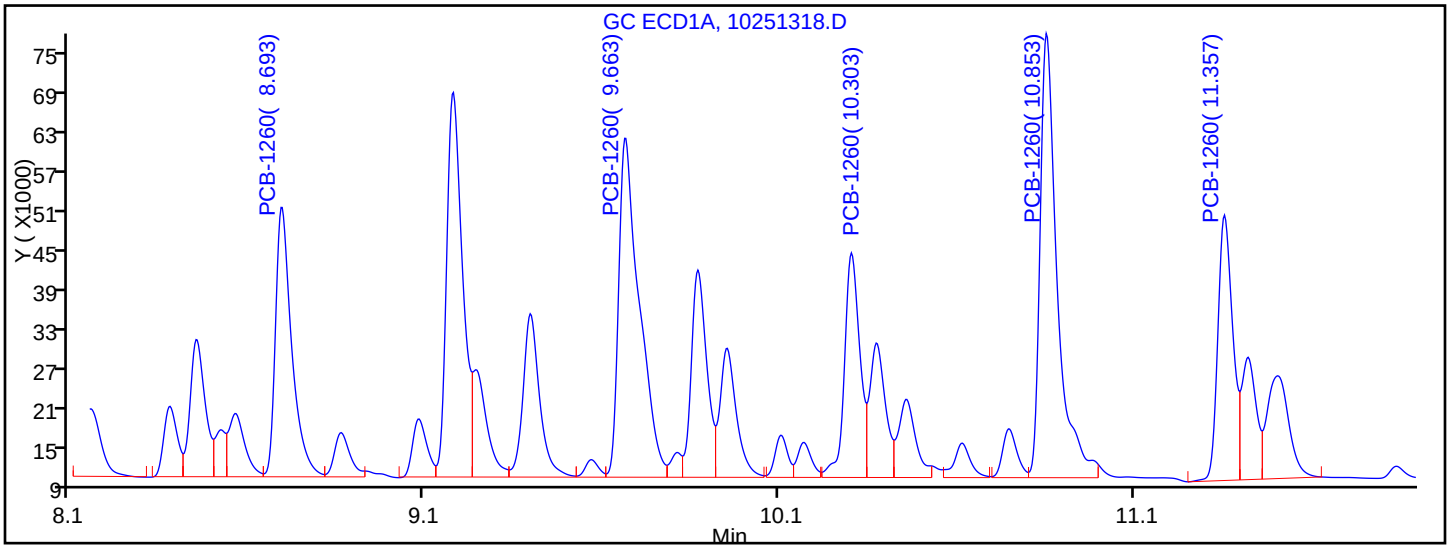
Injection Date:	25-Oct-2013 21:30:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

9 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.693	Response = 126648	M
RT = 9.663	Response = 202197	M
RT = 10.303	Response = 94527	M
RT = 10.853	Response = 211662	M
RT = 11.357	Response = 118456	



Manual Integration Results

RT = 8.693	Response = 130829	M
RT = 9.663	Response = 209113	M
RT = 10.303	Response = 103343	M
RT = 10.853	Response = 228371	M
RT = 11.357	Response = 118456	

Reviewer: jacksonto, 26-Oct-2013 10:32:51

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251319.D		
Lims ID:	STDL31660	Client ID:	
Inject. Date:	25-Oct-2013 21:54:04	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	197868	Lims Sample ID:	19
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:16	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	50430	5.27			
2	2	3.823	3.823	0.000	41120	5.25			
						RPD = 0.41			
5 PCB-1016									
1	1	5.057	5.057	0.000	50185	113.7		100.0	
1	2	5.760	5.760	0.000	84086	108.5	144.0- 224.0	167.6	
1	3	5.973	5.970	0.003	37924	111.6	42.1- 122.1	75.6	
1	4	6.070	6.067	0.003	21884	101.8	14.1- 94.1	43.6	
1	5	6.633	6.633	0.000	42739	110.1	48.4- 128.4	85.2	
			Average of Peak Amounts =			109.1			
2	6	4.500	4.500	0.000	19260	112.4		100.0	
2	7	5.080	5.080	0.000	42465	116.2	168.4- 248.4	220.5	
2	8	5.750	5.750	0.000	68649	111.1	317.6- 397.6	356.4	
2	9	5.957	5.957	0.000	32978	109.9	127.5- 207.5	171.2	
2	10	6.283	6.280	0.003	17937	114.1	47.1- 127.1	93.1	
			Average of Peak Amounts =			112.7			
						RPD = 3.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	58595	111.0		100.0	
1	2	9.667	9.663	0.004	88439	106.1	125.9- 205.9	150.9	
1	3	10.307	10.303	0.004	45444	111.4	43.2- 123.2	77.6	
1	4	10.857	10.853	0.004	97013	108.2	144.8- 224.8	165.6	
1	5	11.357	11.357	0.000	53014	110.8	54.9- 134.9	90.5	
			Average of Peak Amounts =			109.5			
2	6	8.823	8.823	0.000	44696	109.2		100.0	
2	7	9.190	9.187	0.003	49605	111.9	67.1- 147.1	111.0	
2	8	9.970	9.967	0.003	30535	109.0	29.7- 109.7	68.3	
2	9	10.483	10.480	0.003	33609	110.8	35.3- 115.3	75.2	
2	10	10.933	10.930	0.003	64736	108.6	108.5- 188.5	144.8	
			Average of Peak Amounts =			109.9			
						RPD = 0.37			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	47164	5.60			
2	2	13.590	13.590	0.000	32690	5.53			
						RPD = 1.23			
S 15 Polychlorinated biphenyls, Total									
1						218.6			
2						222.6			
						RPD = 1.81			

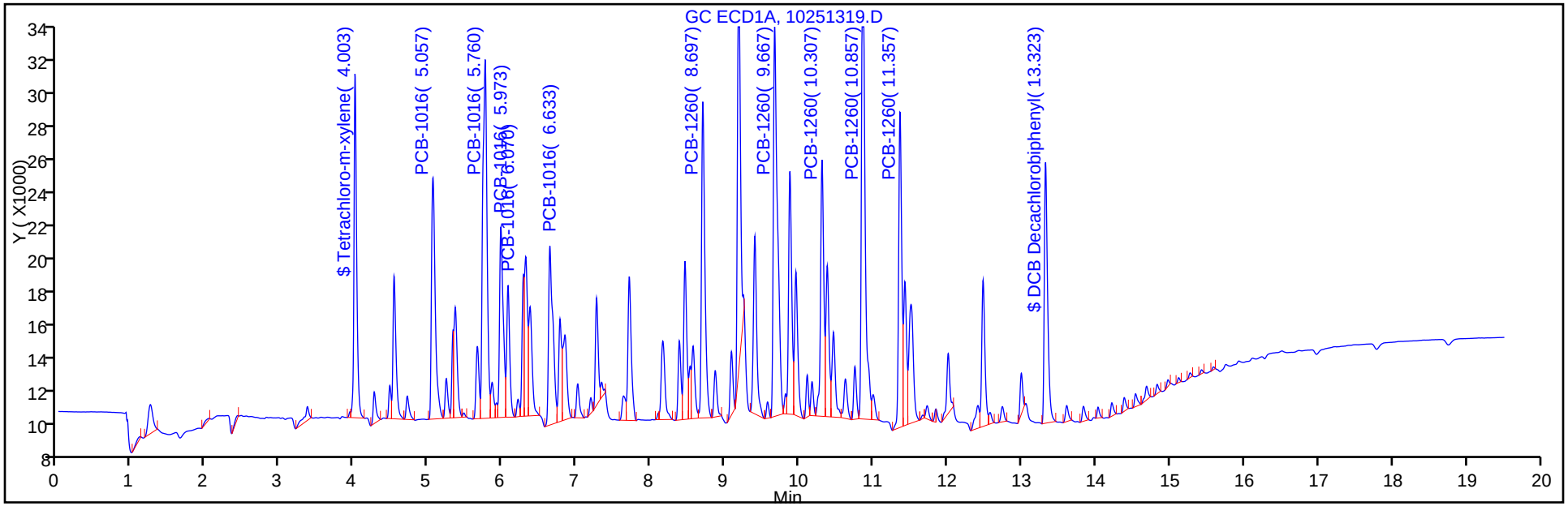
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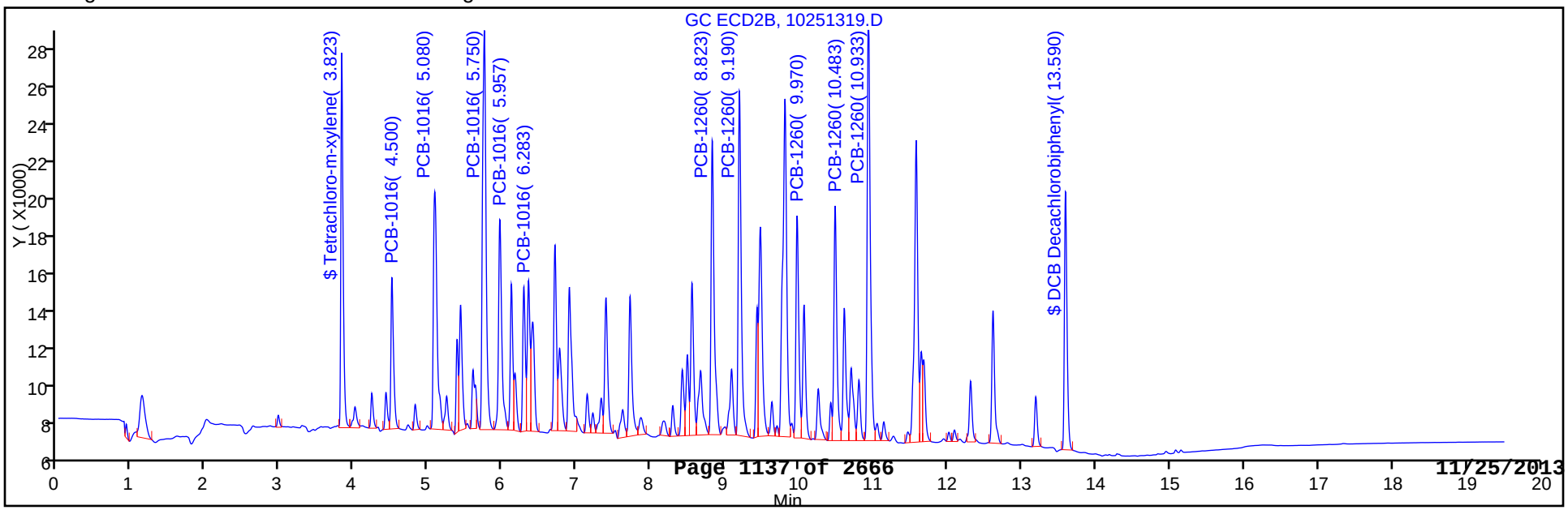
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251319.D

Injection Date:	25-Oct-2013 21:54:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	19
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251320.D
Lims ID: STDL21660 Client ID:
Inject. Date: 25-Oct-2013 22:17:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL21660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 197868 Lims Sample ID: 20
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:15 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	26056	2.58			
2	2	3.823	3.823	0.000	22128	2.59			
						RPD = 0.59			
5 PCB-1016									
1	1	5.053	5.057	-0.004	27775	53.0		100.0	
1	2	5.757	5.760	-0.003	43322	50.5	144.0- 224.0	156.0	
1	3	5.970	5.970	0.000	18251	48.3	42.1- 122.1	65.7	
1	4	6.067	6.067	0.000	10372	47.8	14.1- 94.1	37.3	
1	5	6.630	6.633	-0.003	23373	51.7	48.4- 128.4	84.2	
			Average of Peak Amounts =			50.3			
2	6	4.500	4.500	0.000	10775	53.6		100.0	
2	7	5.080	5.080	0.000	24288	55.9	168.4- 248.4	225.4	
2	8	5.747	5.750	-0.003	37528	53.0	317.6- 397.6	348.3	
2	9	5.957	5.957	0.000	19418	55.8	127.5- 207.5	180.2	
2	10	6.280	6.280	0.000	10009	53.2	47.1- 127.1	92.9	
			Average of Peak Amounts =			54.3			
						RPD = 7.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	31449	51.4		100.0	
1	2	9.667	9.663	0.004	46264	50.2	125.9- 205.9	147.1	
1	3	10.307	10.303	0.004	22450	48.3	43.2- 123.2	71.4	
1	4	10.857	10.853	0.004	48390	48.9	144.8- 224.8	153.9	
1	5	11.357	11.357	0.000	26834	50.7	54.9- 134.9	85.3	
			Average of Peak Amounts =			49.9			
2	6	8.823	8.823	0.000	25176	53.2		100.0	
2	7	9.190	9.187	0.003	27660	52.8	67.1- 147.1	109.9	
2	8	9.970	9.967	0.003	16841	52.8	29.7- 109.7	66.9	
2	9	10.483	10.480	0.003	17706	51.0	35.3- 115.3	70.3	
2	10	10.933	10.930	0.003	34785	52.0	108.5- 188.5	138.2	
			Average of Peak Amounts =			52.4			
						RPD = 4.85			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	24951	2.65			
2	2	13.590	13.590	0.000	18176	2.67			
						RPD = 0.62			
S 15 Polychlorinated biphenyls, Total									
1						100.2			
2						106.7			
						RPD = 6.31			

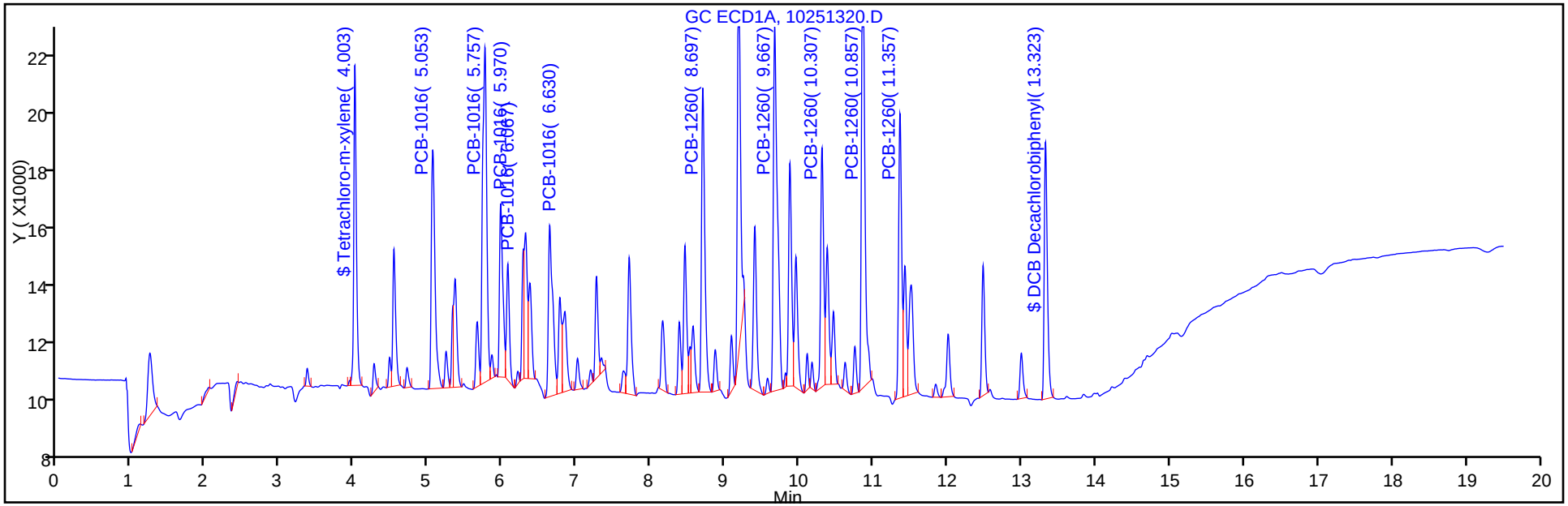
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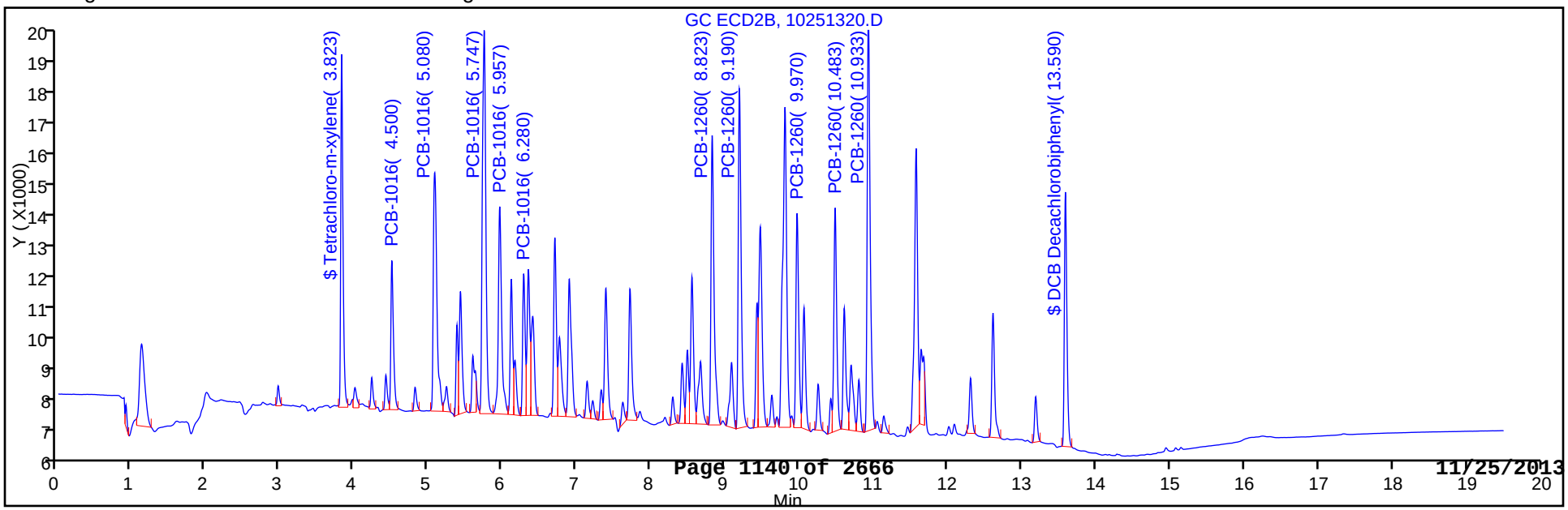
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Injection Date:	25-Oct-2013 22:17:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	20
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251321.D		
Lims ID:	STDL11660	Client ID:	
Inject. Date:	25-Oct-2013 22:40:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	197868	Lims Sample ID:	21
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:15	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	13033	1.14			
2	2	3.823	3.823	0.000	11777	1.15			
						RPD = 0.56			
5 PCB-1016									
1	1	5.053	5.057	-0.004	15084	18.6		100.0	
1	2	5.757	5.760	-0.003	23165	21.9	144.0- 224.0	153.6	
1	3	5.970	5.970	0.000	10007	21.8	42.1- 122.1	66.3	
1	4	6.067	6.067	0.000	5588	25.3	14.1- 94.1	37.0	
1	5	6.630	6.633	-0.003	13824	22.9	48.4- 128.4	91.6	
			Average of Peak Amounts =			22.1			
2	6	4.500	4.500	0.000	5778	19.1		100.0	
2	7	5.077	5.080	-0.003	12317	16.2	168.4- 248.4	213.2	
2	8	5.747	5.750	-0.003	19717	19.7	317.6- 397.6	341.2	
2	9	5.957	5.957	0.000	9998	18.3	127.5- 207.5	173.0	
2	10	6.280	6.280	0.000	5557	18.9	47.1- 127.1	96.2	
			Average of Peak Amounts =			18.4			
						RPD = 18.04			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.700	8.697	0.003	17403	20.6		100.0	
1	2	9.670	9.663	0.007	25303	22.4	125.9- 205.9	145.4	
1	3	10.307	10.303	0.004	12600	21.3	43.2- 123.2	72.4	
1	4	10.857	10.853	0.004	26220	21.8	144.8- 224.8	150.7	
1	5	11.360	11.357	0.003	14276	21.8	54.9- 134.9	82.0	
			Average of Peak Amounts =			21.6			
2	6	8.823	8.823	0.000	13778	20.4		100.0	
2	7	9.193	9.187	0.006	15495	20.0	67.1- 147.1	112.5	
2	8	9.970	9.967	0.003	9036	20.8	29.7- 109.7	65.6	
2	9	10.483	10.480	0.003	9856	21.6	35.3- 115.3	71.5	
2	10	10.933	10.930	0.003	18666	21.6	108.5- 188.5	135.5	
			Average of Peak Amounts =			20.9			
						RPD = 3.34			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	12765	1.04			
2	2	13.590	13.590	0.000	9748	1.01			
						RPD = 2.77			
S 15 Polychlorinated biphenyls, Total									
1						43.7			
2						39.3			
						RPD = 10.52			

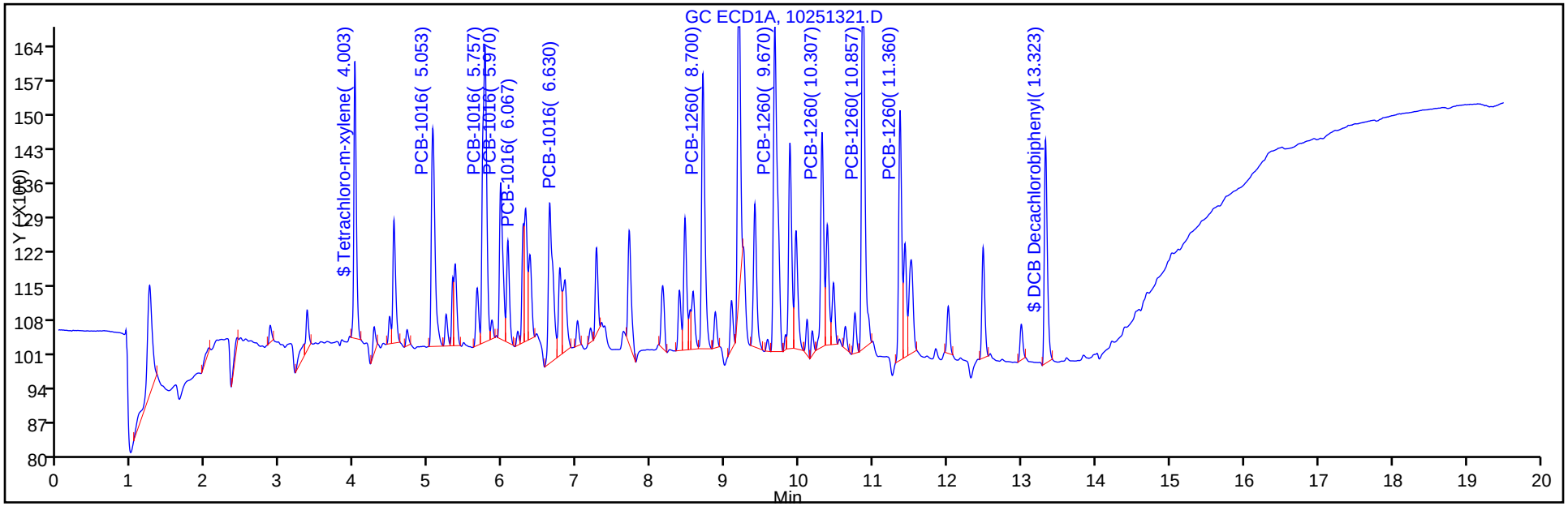
Report Date: 29-Oct-2013 12:13:15 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

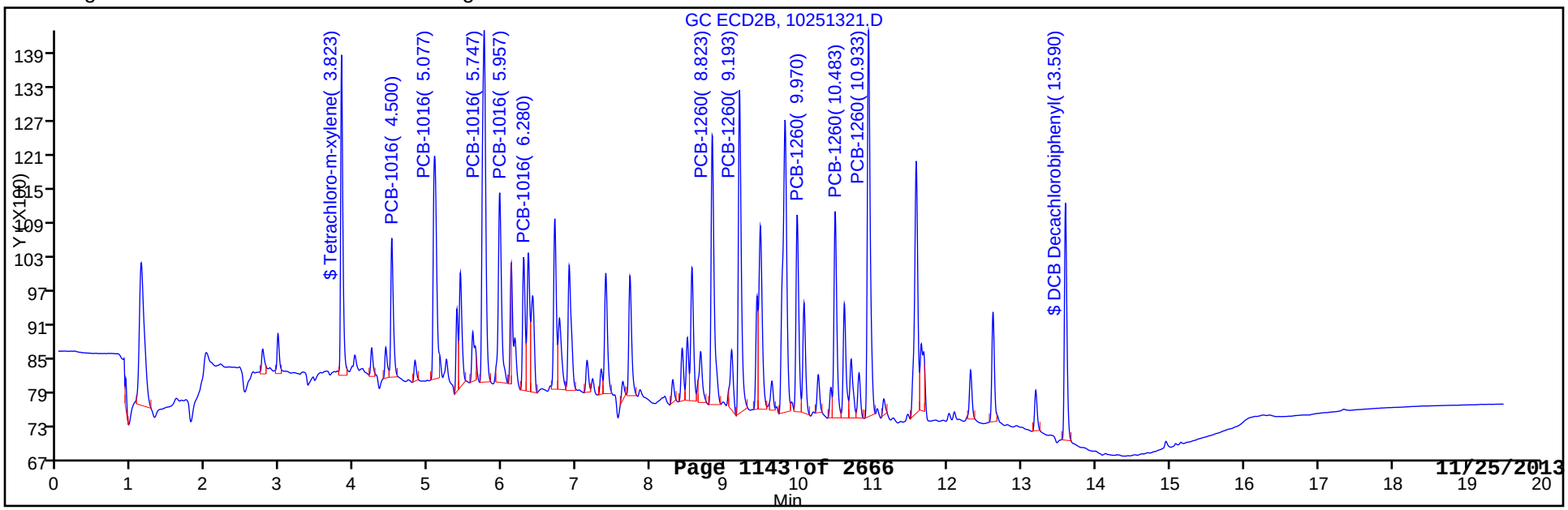
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Injection Date:	25-Oct-2013 22:40:20	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	21
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	4.500	4.500	4.500	4.500	4.500	4.500	4.500				4.460 - 4.540	4.500
PCB-1016 Peak 2	5.077	5.080	5.080	5.080	5.080	5.080	5.080				5.040 - 5.120	5.080
PCB-1016 Peak 3	5.747	5.747	5.750	5.747	5.750	5.750	5.747				5.710 - 5.790	5.748
PCB-1016 Peak 4	5.957	5.957	5.957	5.957	5.957	5.957	5.957				5.917 - 5.997	5.957
PCB-1016 Peak 5	6.280	6.280	6.283	6.280	6.280	6.280	6.280				6.240 - 6.320	6.280
PCB-1260 Peak 1	8.823	8.823	8.823	8.823	8.823	8.820	8.820				8.783 - 8.863	8.822
PCB-1260 Peak 2	9.193	9.190	9.190	9.190	9.187	9.187	9.187				9.147 - 9.227	9.189
PCB-1260 Peak 3	9.970	9.970	9.970	9.970	9.967	9.967	9.963				9.927 - 10.007	9.968
PCB-1260 Peak 4	10.483	10.483	10.483	10.480	10.480	10.480	10.477				10.440 - 10.520	10.481
PCB-1260 Peak 5	10.933	10.933	10.933	10.930	10.930	10.930	10.927				10.890 - 10.970	10.931
Tetrachloro-m-xylene	3.823	3.823	3.823	3.823	3.823	3.823	3.823				3.783 - 3.863	3.823
DCB Decachlorobiphenyl	13.590	13.590	13.590	13.590	13.590	13.590	13.590				13.550 - 13.630	13.590

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	231.12 153.64	215.50 143.22	192.60 146.09	166.25	Lin1	3024.98547	144.493496							0.9970		0.9900
PCB-1016 Peak 2	492.68 320.14	485.76 305.73	424.65 299.16	363.99	Lin1	7420.12224	301.552203							0.9950		0.9900
PCB-1016 Peak 3	788.68 549.41	750.56 538.01	686.49 538.07	614.60	Lin1	9189.35225	535.142630							0.9980		0.9900
PCB-1016 Peak 4	399.92 257.41	388.36 253.56	329.78 253.46	297.40	Lin1	5404.67028	250.932452							0.9970		0.9900
PCB-1016 Peak 5	222.28 133.81	200.18 131.66	179.37 132.15	153.55	Lin1	3092.17778	130.112058							0.9970		0.9900
PCB-1260 Peak 1	551.12 357.96	503.52 351.93	446.96 352.62	395.48	Lin1	6667.65326	348.184833							0.9990		0.9900
PCB-1260 Peak 2	619.80 383.20	553.20 376.23	496.05 376.74	424.80	Lin1	8060.28970	371.232139							0.9980		0.9900
PCB-1260 Peak 3	361.44 249.51	336.82 244.59	305.35 247.19	272.45	Lin1	3967.97675	243.789594							0.9990		0.9900
PCB-1260 Peak 4	394.24 269.51	354.12 266.59	336.09 271.70	294.07	Lin1	4115.99367	266.272166							0.9990		0.9900
PCB-1260 Peak 5	746.64 531.46	695.70 534.93	647.36 537.76	579.80	Lin1	7208.42144	529.856093							0.9990		0.9900
Tetrachloro-m-xylene	9421.6 7115.2	8851.2 7208.3	8224.0 7288.9	7583.4	Lin1	3561.09390	7159.09041							1.0000		0.9900
DCB Decachlorobiphenyl	7798.4 5173.4	7270.4 5129.0	6538.0 5164.8	5711.8	Lin1	4604.05103	5081.80668							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Lin1	5778 107417	10775 146085	19260	41562	76818	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 2	Lin1	12317 229297	24288 299159	42465	90998	160069	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 3	Lin1	19717 403509	37528 538071	68649	153651	274707	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 4	Lin1	9998 190170	19418 253455	32978	74351	128707	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 5	Lin1	5557 98745	10009 132153	17937	38387	66907	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 1	Lin1	13778 263950	25176 352618	44696	98871	178979	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 2	Lin1	15495 282172	27660 376735	49605	106199	191602	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 3	Lin1	9036 183444	16841 247190	30535	68113	124754	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 4	Lin1	9856 199946	17706 271702	33609	73518	134753	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 5	Lin1	18666 401200	34785 537757	64736	144951	265729	25.0 750	50.0 1000	100	250	500
Tetrachloro-m-xylene	Lin1	11777 270312	22128 364446	41120	94793	177880	1.25 37.5	2.50 50.0	5.00	12.5	25.0
DCB Decachlorobiphenyl	Lin1	9748 192336	18176 258239	32690	71397	129334	1.25 37.5	2.50 50.0	5.00	12.5	25.0

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251315.D		
Lims ID:	STDL71660	Client ID:	
Inject. Date:	25-Oct-2013 20:21:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL71660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	197868	Lims Sample ID:	15
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:21	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:24:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	459108	50.4			
2	2	3.823	3.823	0.000	364446	50.4			
						RPD = 0.09			
5 PCB-1016									
1	1	5.053	5.057	-0.004	367730	974.6		100.0	
1	2	5.757	5.760	-0.003	705176	991.4	144.0- 224.0	191.8	
1	3	5.967	5.970	-0.003	309553	984.8	42.1- 122.1	84.2	
1	4	6.063	6.067	-0.004	213603	1001.2	14.1- 94.1	58.1	
1	5	6.630	6.633	-0.003	340885	1009.7	48.4- 128.4	92.7	
			Average of Peak Amounts =			992.4			
2	6	4.500	4.500	0.000	146085	990.1		100.0	
2	7	5.080	5.080	0.000	299159	967.5	168.4- 248.4	204.8	
2	8	5.747	5.750	-0.003	538071	988.3	317.6- 397.6	368.3	
2	9	5.957	5.957	0.000	253455	988.5	127.5- 207.5	173.5	
2	10	6.280	6.280	0.000	132153	991.9	47.1- 127.1	90.5	
			Average of Peak Amounts =			985.3			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.690	8.697	-0.007	455174	980.7		100.0	
1	2	9.660	9.663	-0.003	746547	978.5	125.9- 205.9	164.0	
1	3	10.300	10.303	-0.003	352771	954.4	43.2- 123.2	77.5	
1	4	10.850	10.853	-0.003	781639	943.4	144.8- 224.8	171.7	
1	5	11.353	11.357	-0.004	445575	1011.9	54.9- 134.9	97.9	
			Average of Peak Amounts =			973.8			
2	6	8.820	8.823	-0.003	352618	993.6		100.0	
2	7	9.187	9.187	0.000	376735	993.1	67.1- 147.1	106.8	
2	8	9.963	9.967	-0.004	247190	997.7	29.7- 109.7	70.1	
2	9	10.477	10.480	-0.003	271702	1004.9	35.3- 115.3	77.1	
2	10	10.927	10.930	-0.003	537757	1001.3	108.5- 188.5	152.5	
			Average of Peak Amounts =			998.1			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	384834	50.3			
2	2	13.590	13.590	0.000	258239	49.9			
						RPD = 0.79			
S 15 Polychlorinated biphenyls, Total									
1						1966.1			
2						1983.4			
						RPD = 0.87			

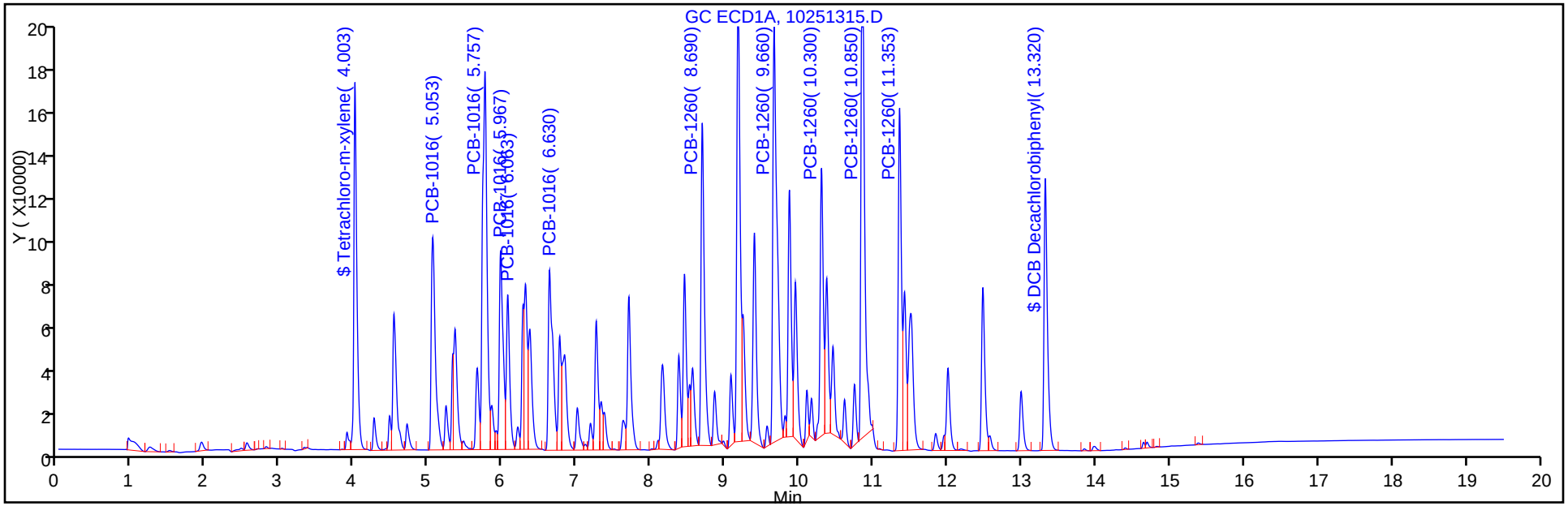
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TestAmerica Denver

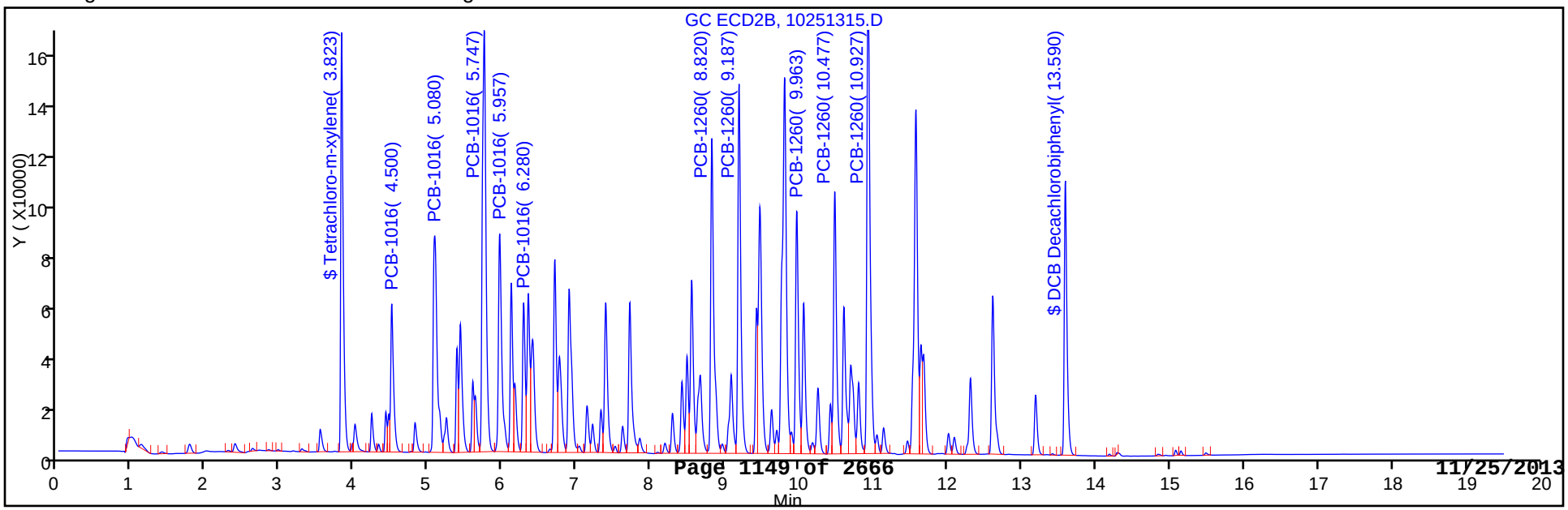
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Injection Date:	25-Oct-2013 20:21:01	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	15
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251316.D		
Lims ID:	STDL61660	Client ID:	
Inject. Date:	25-Oct-2013 20:44:14	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STDL61660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	197868	Lims Sample ID:	16
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:19	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	338555	37.1			
2	2	3.823	3.823	0.000	270312	37.3			
						RPD = 0.53			
5 PCB-1016									
1	1	5.053	5.057	-0.004	280156	737.2		100.0	
1	2	5.760	5.760	0.000	529683	742.0	144.0- 224.0	189.1	
1	3	5.970	5.970	0.000	232736	737.9	42.1- 122.1	83.1	
1	4	6.067	6.067	0.000	160029	749.9	14.1- 94.1	57.1	
1	5	6.630	6.633	-0.003	252820	744.0	48.4- 128.4	90.2	
			Average of Peak Amounts =			742.2			
2	6	4.500	4.500	0.000	107417	722.5		100.0	
2	7	5.080	5.080	0.000	229297	735.8	168.4- 248.4	213.5	
2	8	5.750	5.750	0.000	403509	736.8	317.6- 397.6	375.6	
2	9	5.957	5.957	0.000	190170	736.3	127.5- 207.5	177.0	
2	10	6.280	6.280	0.000	98745	735.2	47.1- 127.1	91.9	
			Average of Peak Amounts =			733.3			
						RPD = 1.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.693	8.697	-0.004	353224	757.1		100.0	
1	2	9.660	9.663	-0.003	580977	759.0	125.9- 205.9	164.5	
1	3	10.300	10.303	-0.003	281821	759.8	43.2- 123.2	79.8	
1	4	10.853	10.853	0.000	645944	777.9	144.8- 224.8	182.9	
1	5	11.353	11.357	-0.004	323163	730.9	54.9- 134.9	91.5	
			Average of Peak Amounts =			756.9			
2	6	8.820	8.823	-0.003	263950	738.9		100.0	
2	7	9.187	9.187	0.000	282172	738.4	67.1- 147.1	106.9	
2	8	9.967	9.967	0.000	183444	736.2	29.7- 109.7	69.5	
2	9	10.480	10.480	0.000	199946	735.5	35.3- 115.3	75.8	
2	10	10.930	10.930	0.000	401200	743.6	108.5- 188.5	152.0	
			Average of Peak Amounts =			738.5			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	285762	37.2			
2	2	13.590	13.590	0.000	192336	36.9			
						RPD = 0.66			
S 15 Polychlorinated biphenyls, Total									
1						1499.1			
2						1471.8			
						RPD = 1.84			

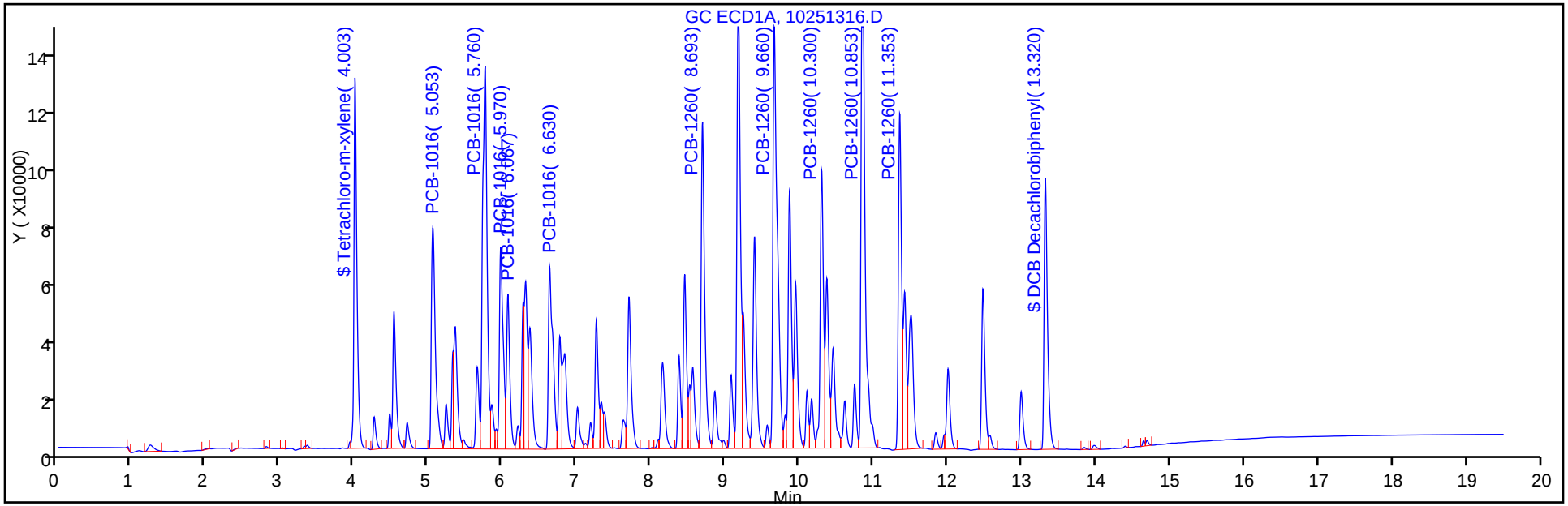
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TestAmerica Denver

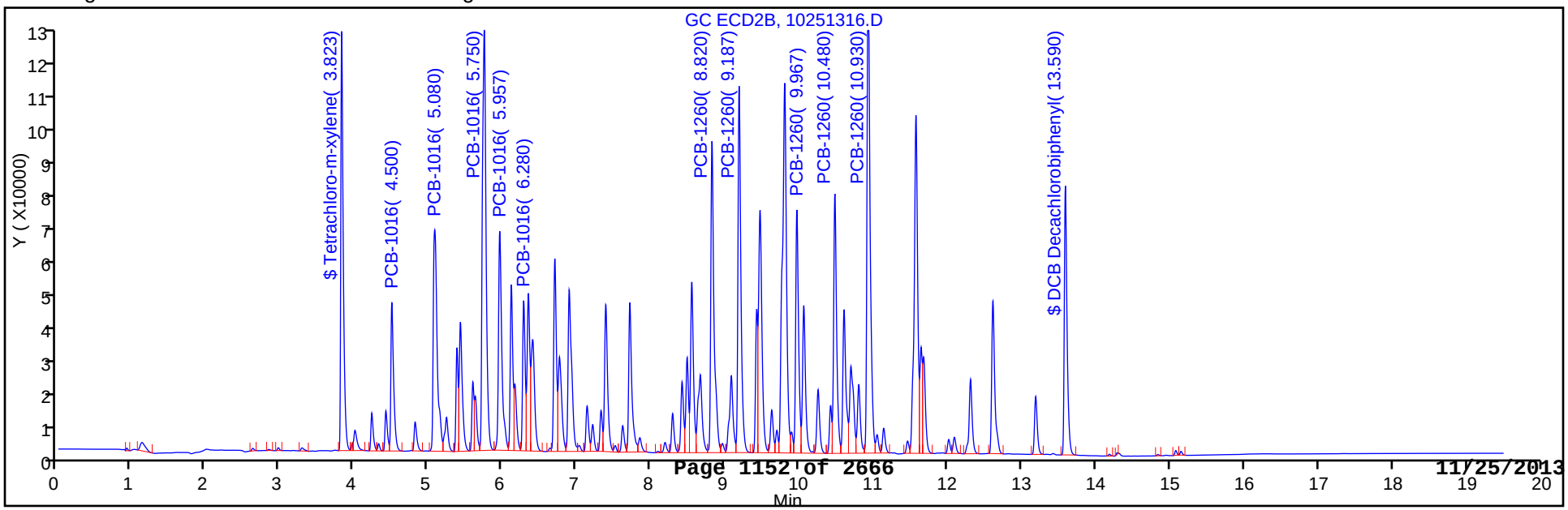
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Injection Date:	25-Oct-2013 20:44:14	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	16
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251317.D		
Lims ID:	STDL51660	Client ID:	
Inject. Date:	25-Oct-2013 21:07:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	197868	Lims Sample ID:	17
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:18	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:16:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	224790	24.5			
2	2	3.823	3.823	0.000	177880	24.3			
						RPD = 0.65			
5 PCB-1016									
1	1	5.057	5.057	0.000	194326	504.5		100.0	
1	2	5.760	5.760	0.000	357528	497.2	144.0- 224.0	184.0	
1	3	5.970	5.970	0.000	159544	502.6	42.1- 122.1	82.1	
1	4	6.067	6.067	0.000	105101	492.2	14.1- 94.1	54.1	
1	5	6.633	6.633	0.000	171824	499.6	48.4- 128.4	88.4	
			Average of Peak Amounts =			499.2			
2	6	4.500	4.500	0.000	76818	510.7		100.0	
2	7	5.080	5.080	0.000	160069	506.2	168.4- 248.4	208.4	
2	8	5.750	5.750	0.000	274707	496.2	317.6- 397.6	357.6	
2	9	5.957	5.957	0.000	128707	491.4	127.5- 207.5	167.5	
2	10	6.280	6.280	0.000	66907	490.5	47.1- 127.1	87.1	
			Average of Peak Amounts =			499.0			
						RPD = 0.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	229072	484.8		100.0	
1	2	9.663	9.663	0.000	380091	492.7	125.9- 205.9	165.9	
1	3	10.303	10.303	0.000	190617	509.6	43.2- 123.2	83.2	
1	4	10.853	10.853	0.000	423308	506.3	144.8- 224.8	184.8	
1	5	11.357	11.357	0.000	217355	488.0	54.9- 134.9	94.9	
			Average of Peak Amounts =			496.3			
2	6	8.823	8.823	0.000	178979	494.9		100.0	
2	7	9.187	9.187	0.000	191602	494.4	67.1- 147.1	107.1	
2	8	9.967	9.967	0.000	124754	495.5	29.7- 109.7	69.7	
2	9	10.480	10.480	0.000	134753	490.6	35.3- 115.3	75.3	
2	10	10.930	10.930	0.000	265729	487.9	108.5- 188.5	148.5	
			Average of Peak Amounts =			492.7			
						RPD = 0.74			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	187762	24.2			
2	2	13.590	13.590	0.000	129334	24.5			
						RPD = 1.37			
S 15 Polychlorinated biphenyls, Total									
1						995.5			
2						991.6			
						RPD = 0.39			

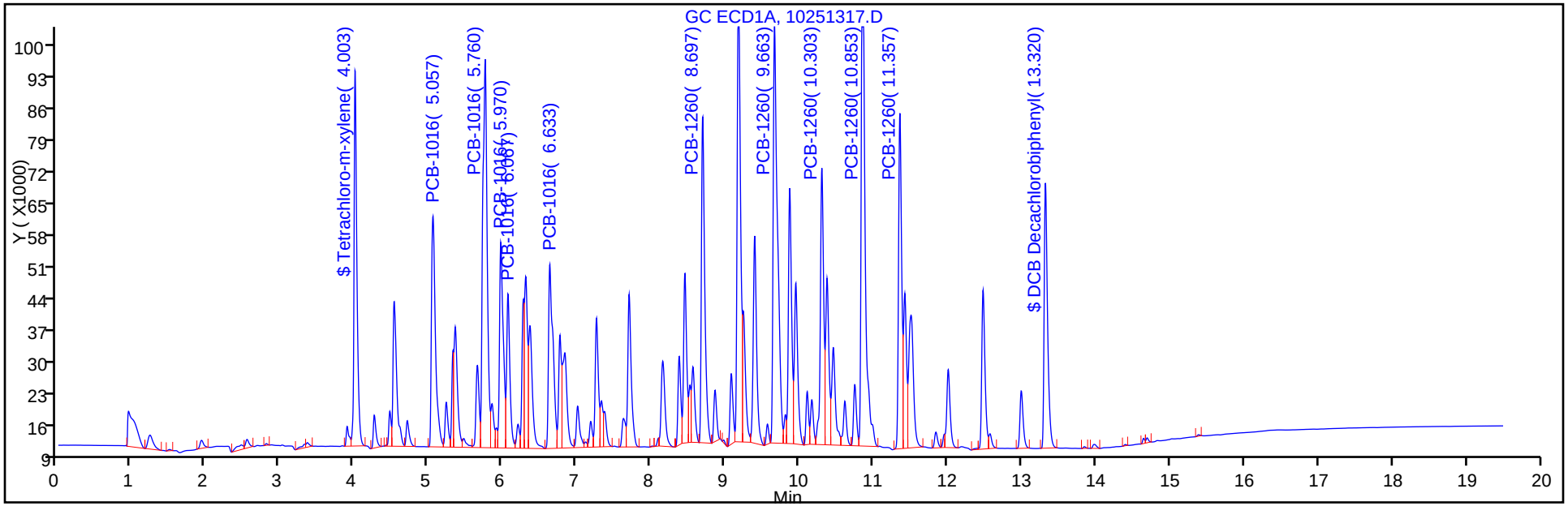
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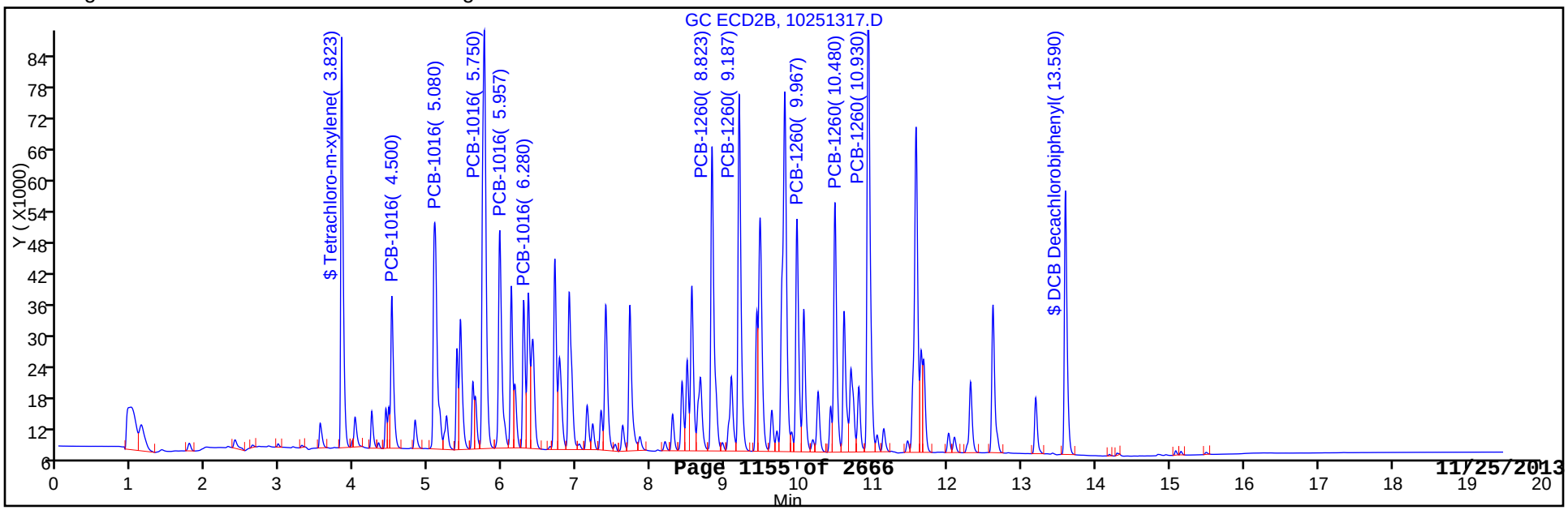
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Injection Date:	25-Oct-2013 21:07:40	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	17
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251318.D		
Lims ID:	STDL41660	Client ID:	
Inject. Date:	25-Oct-2013 21:30:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL41660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	197868	Lims Sample ID:	18
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:17	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:30:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	118935	12.8			
2	2	3.823	3.823	0.000	94793	12.7			
						RPD = 0.66			
5 PCB-1016									M
1	1	5.053	5.057	-0.004	109079	273.4		100.0	
1	2	5.760	5.760	0.000	193109	263.5	144.0- 224.0	177.0	M
1	3	5.970	5.970	0.000	86598	268.0	42.1- 122.1	79.4	M
1	4	6.067	6.067	0.000	54925	256.8	14.1- 94.1	50.4	M
1	5	6.630	6.633	-0.003	84799	237.0	48.4- 128.4	77.7	
			Average of Peak Amounts =			259.8			
2	6	4.500	4.500	0.000	41562	266.7		100.0	
2	7	5.080	5.080	0.000	90998	277.2	168.4- 248.4	218.9	
2	8	5.747	5.750	-0.003	153651	269.9	317.6- 397.6	369.7	
2	9	5.957	5.957	0.000	74351	274.8	127.5- 207.5	178.9	
2	10	6.280	6.280	0.000	38387	271.3	47.1- 127.1	92.4	
			Average of Peak Amounts =			272.0			
						RPD = 4.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	130829	269.4		100.0	M
1	2	9.663	9.663	0.000	209113	266.1	125.9- 205.9	159.8	M
1	3	10.303	10.303	0.000	103343	270.2	43.2- 123.2	79.0	M
1	4	10.853	10.853	0.000	228371	268.5	144.8- 224.8	174.6	M
1	5	11.357	11.357	0.000	118456	261.0	54.9- 134.9	90.5	
			Average of Peak Amounts =			267.0			
2	6	8.823	8.823	0.000	98871	264.8		100.0	
2	7	9.190	9.187	0.003	106199	264.4	67.1- 147.1	107.4	
2	8	9.970	9.967	0.003	68113	263.1	29.7- 109.7	68.9	
2	9	10.480	10.480	0.000	73518	260.6	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	144951	260.0	108.5- 188.5	146.6	
			Average of Peak Amounts =			262.6			
						RPD = 1.68			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	101255	12.8			
2	2	13.590	13.590	0.000	71397	13.1			
						RPD = 2.98			
S 15 Polychlorinated biphenyls, Total									
1						526.8			
2						534.5			
						RPD = 1.47			

QC Flag Legend

Review Flags
M - Manually Integrated

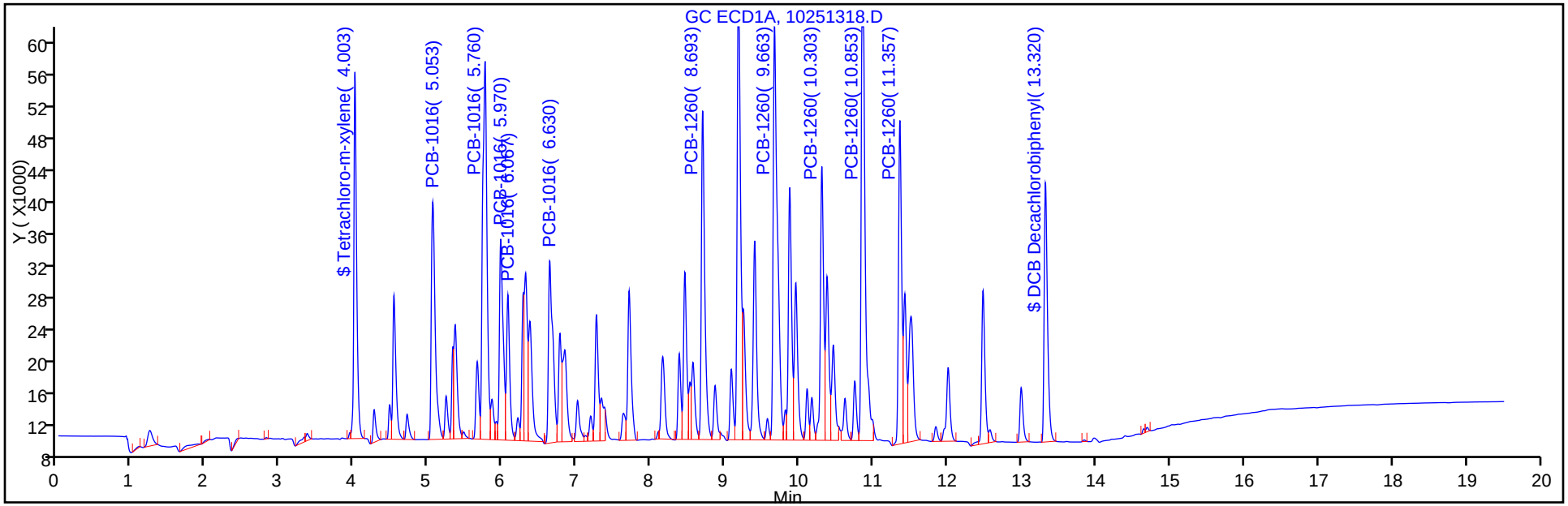
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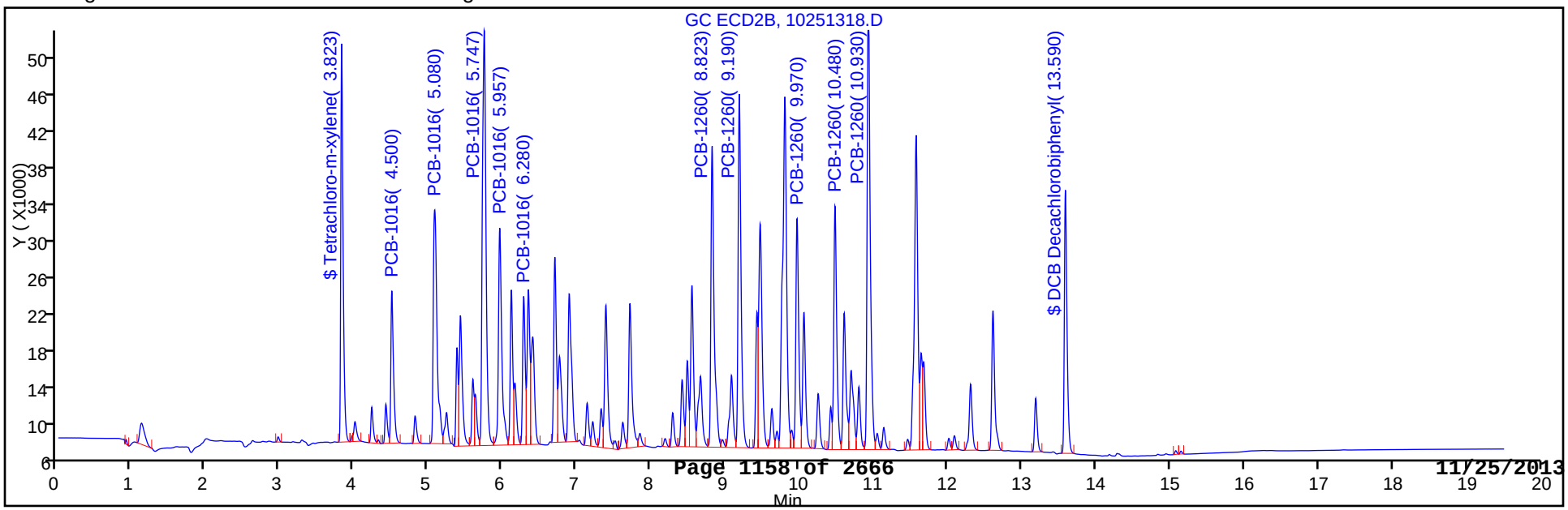
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Injection Date:	25-Oct-2013 21:30:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251319.D		
Lims ID:	STDL31660	Client ID:	
Inject. Date:	25-Oct-2013 21:54:04	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	197868	Lims Sample ID:	19
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:16	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	50430	5.27			
2	2	3.823	3.823	0.000	41120	5.25			
						RPD = 0.41			
5 PCB-1016									
1	1	5.057	5.057	0.000	50185	113.7		100.0	
1	2	5.760	5.760	0.000	84086	108.5	144.0- 224.0	167.6	
1	3	5.973	5.970	0.003	37924	111.6	42.1- 122.1	75.6	
1	4	6.070	6.067	0.003	21884	101.8	14.1- 94.1	43.6	
1	5	6.633	6.633	0.000	42739	110.1	48.4- 128.4	85.2	
			Average of Peak Amounts =			109.1			
2	6	4.500	4.500	0.000	19260	112.4		100.0	
2	7	5.080	5.080	0.000	42465	116.2	168.4- 248.4	220.5	
2	8	5.750	5.750	0.000	68649	111.1	317.6- 397.6	356.4	
2	9	5.957	5.957	0.000	32978	109.9	127.5- 207.5	171.2	
2	10	6.283	6.280	0.003	17937	114.1	47.1- 127.1	93.1	
			Average of Peak Amounts =			112.7			
						RPD = 3.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	58595	111.0		100.0	
1	2	9.667	9.663	0.004	88439	106.1	125.9- 205.9	150.9	
1	3	10.307	10.303	0.004	45444	111.4	43.2- 123.2	77.6	
1	4	10.857	10.853	0.004	97013	108.2	144.8- 224.8	165.6	
1	5	11.357	11.357	0.000	53014	110.8	54.9- 134.9	90.5	
			Average of Peak Amounts =			109.5			
2	6	8.823	8.823	0.000	44696	109.2		100.0	
2	7	9.190	9.187	0.003	49605	111.9	67.1- 147.1	111.0	
2	8	9.970	9.967	0.003	30535	109.0	29.7- 109.7	68.3	
2	9	10.483	10.480	0.003	33609	110.8	35.3- 115.3	75.2	
2	10	10.933	10.930	0.003	64736	108.6	108.5- 188.5	144.8	
			Average of Peak Amounts =			109.9			
						RPD = 0.37			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	47164	5.60			
2	2	13.590	13.590	0.000	32690	5.53			
						RPD = 1.23			
S 15 Polychlorinated biphenyls, Total									
1						218.6			
2						222.6			
						RPD = 1.81			

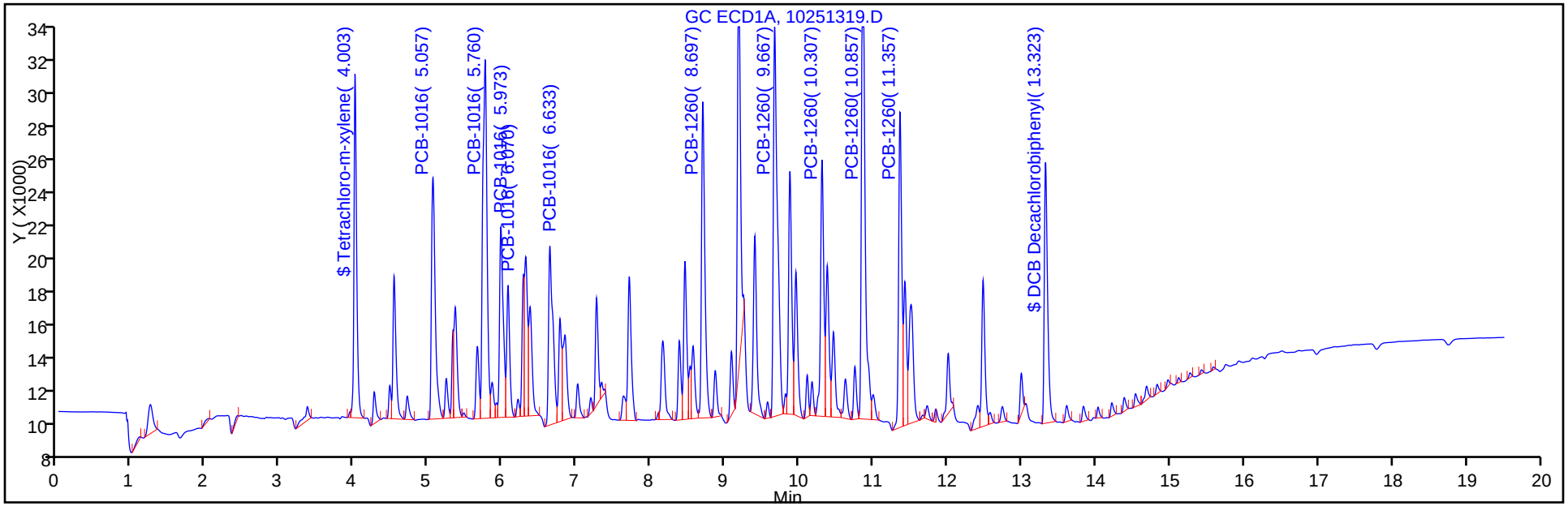
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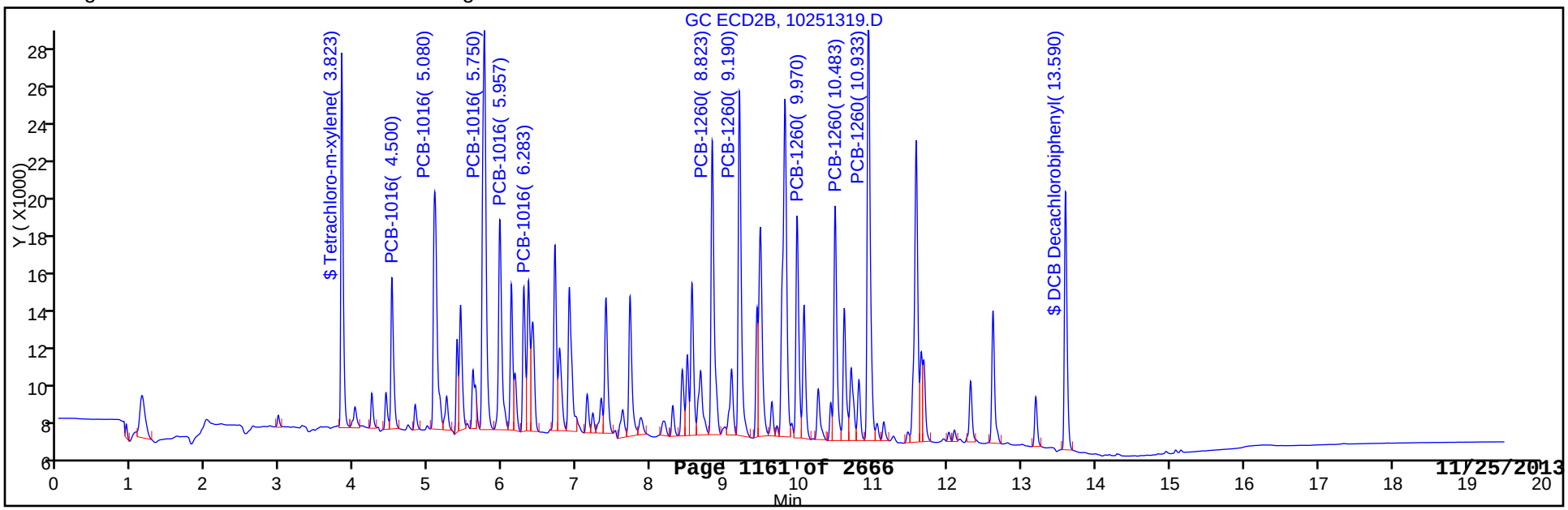
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Injection Date:	25-Oct-2013 21:54:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	19
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251320.D
Lims ID: STDL21660 Client ID:
Inject. Date: 25-Oct-2013 22:17:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL21660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 197868 Lims Sample ID: 20
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:15 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	26056	2.58			
2	2	3.823	3.823	0.000	22128	2.59			
						RPD = 0.59			
5 PCB-1016									
1	1	5.053	5.057	-0.004	27775	53.0		100.0	
1	2	5.757	5.760	-0.003	43322	50.5	144.0- 224.0	156.0	
1	3	5.970	5.970	0.000	18251	48.3	42.1- 122.1	65.7	
1	4	6.067	6.067	0.000	10372	47.8	14.1- 94.1	37.3	
1	5	6.630	6.633	-0.003	23373	51.7	48.4- 128.4	84.2	
			Average of Peak Amounts =			50.3			
2	6	4.500	4.500	0.000	10775	53.6		100.0	
2	7	5.080	5.080	0.000	24288	55.9	168.4- 248.4	225.4	
2	8	5.747	5.750	-0.003	37528	53.0	317.6- 397.6	348.3	
2	9	5.957	5.957	0.000	19418	55.8	127.5- 207.5	180.2	
2	10	6.280	6.280	0.000	10009	53.2	47.1- 127.1	92.9	
			Average of Peak Amounts =			54.3			
						RPD = 7.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	31449	51.4		100.0	
1	2	9.667	9.663	0.004	46264	50.2	125.9- 205.9	147.1	
1	3	10.307	10.303	0.004	22450	48.3	43.2- 123.2	71.4	
1	4	10.857	10.853	0.004	48390	48.9	144.8- 224.8	153.9	
1	5	11.357	11.357	0.000	26834	50.7	54.9- 134.9	85.3	
			Average of Peak Amounts =			49.9			
2	6	8.823	8.823	0.000	25176	53.2		100.0	
2	7	9.190	9.187	0.003	27660	52.8	67.1- 147.1	109.9	
2	8	9.970	9.967	0.003	16841	52.8	29.7- 109.7	66.9	
2	9	10.483	10.480	0.003	17706	51.0	35.3- 115.3	70.3	
2	10	10.933	10.930	0.003	34785	52.0	108.5- 188.5	138.2	
			Average of Peak Amounts =			52.4			
						RPD = 4.85			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	24951	2.65			
2	2	13.590	13.590	0.000	18176	2.67			
						RPD = 0.62			
S 15 Polychlorinated biphenyls, Total									
1						100.2			
2						106.7			
						RPD = 6.31			

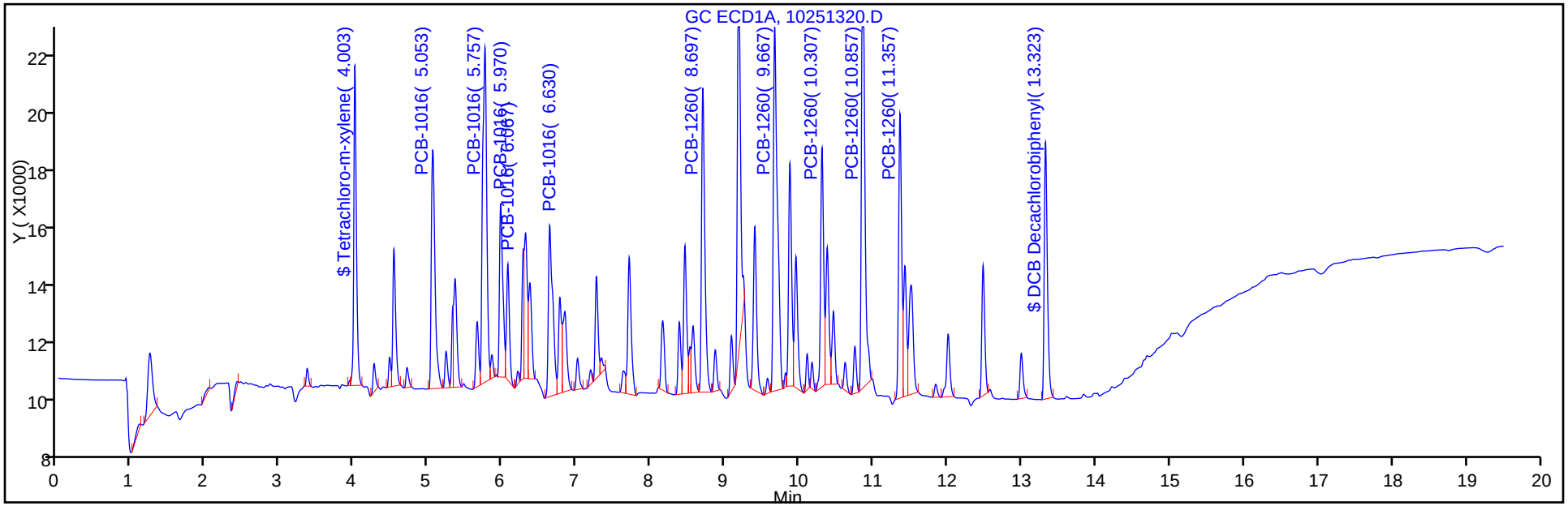
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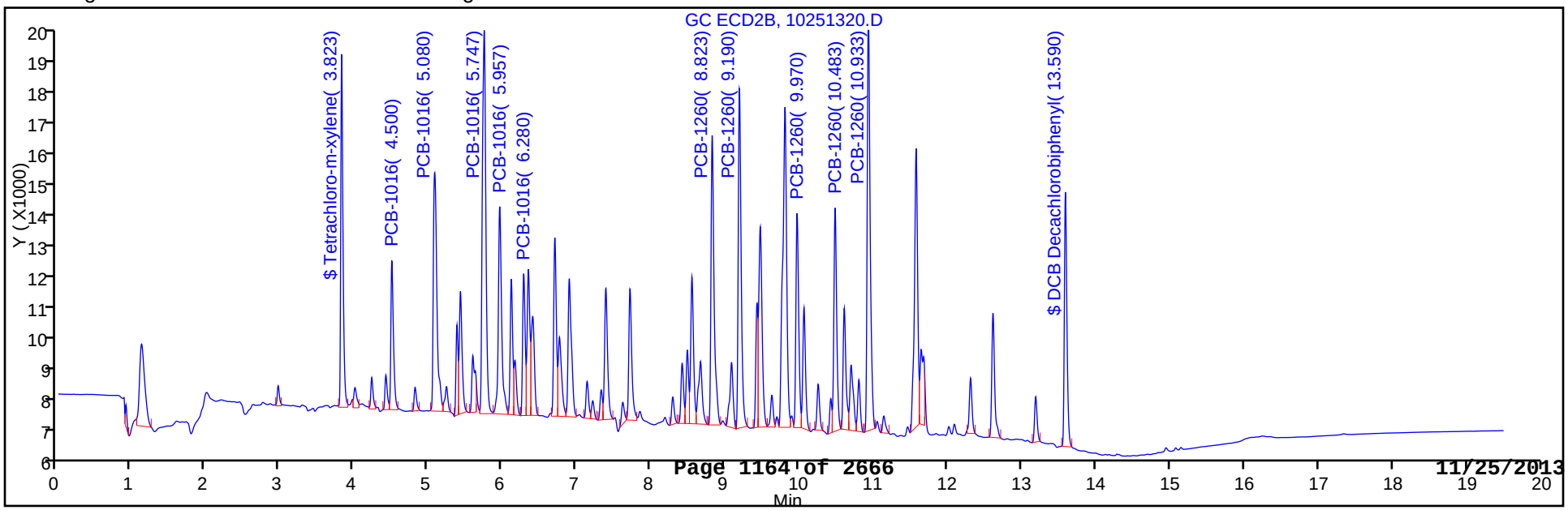
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Injection Date:	25-Oct-2013 22:17:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	20
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251321.D		
Lims ID:	STDL11660	Client ID:	
Inject. Date:	25-Oct-2013 22:40:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	197868	Lims Sample ID:	21
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:15	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	13033	1.14			
2	2	3.823	3.823	0.000	11777	1.15			
						RPD = 0.56			
5 PCB-1016									
1	1	5.053	5.057	-0.004	15084	18.6		100.0	
1	2	5.757	5.760	-0.003	23165	21.9	144.0- 224.0	153.6	
1	3	5.970	5.970	0.000	10007	21.8	42.1- 122.1	66.3	
1	4	6.067	6.067	0.000	5588	25.3	14.1- 94.1	37.0	
1	5	6.630	6.633	-0.003	13824	22.9	48.4- 128.4	91.6	
			Average of Peak Amounts =			22.1			
2	6	4.500	4.500	0.000	5778	19.1		100.0	
2	7	5.077	5.080	-0.003	12317	16.2	168.4- 248.4	213.2	
2	8	5.747	5.750	-0.003	19717	19.7	317.6- 397.6	341.2	
2	9	5.957	5.957	0.000	9998	18.3	127.5- 207.5	173.0	
2	10	6.280	6.280	0.000	5557	18.9	47.1- 127.1	96.2	
			Average of Peak Amounts =			18.4			
						RPD = 18.04			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.700	8.697	0.003	17403	20.6		100.0	
1	2	9.670	9.663	0.007	25303	22.4	125.9- 205.9	145.4	
1	3	10.307	10.303	0.004	12600	21.3	43.2- 123.2	72.4	
1	4	10.857	10.853	0.004	26220	21.8	144.8- 224.8	150.7	
1	5	11.360	11.357	0.003	14276	21.8	54.9- 134.9	82.0	
			Average of Peak Amounts =			21.6			
2	6	8.823	8.823	0.000	13778	20.4		100.0	
2	7	9.193	9.187	0.006	15495	20.0	67.1- 147.1	112.5	
2	8	9.970	9.967	0.003	9036	20.8	29.7- 109.7	65.6	
2	9	10.483	10.480	0.003	9856	21.6	35.3- 115.3	71.5	
2	10	10.933	10.930	0.003	18666	21.6	108.5- 188.5	135.5	
			Average of Peak Amounts =			20.9			
						RPD = 3.34			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	12765	1.04			
2	2	13.590	13.590	0.000	9748	1.01			
						RPD = 2.77			
S 15 Polychlorinated biphenyls, Total									
1						43.7			
2						39.3			
						RPD = 10.52			

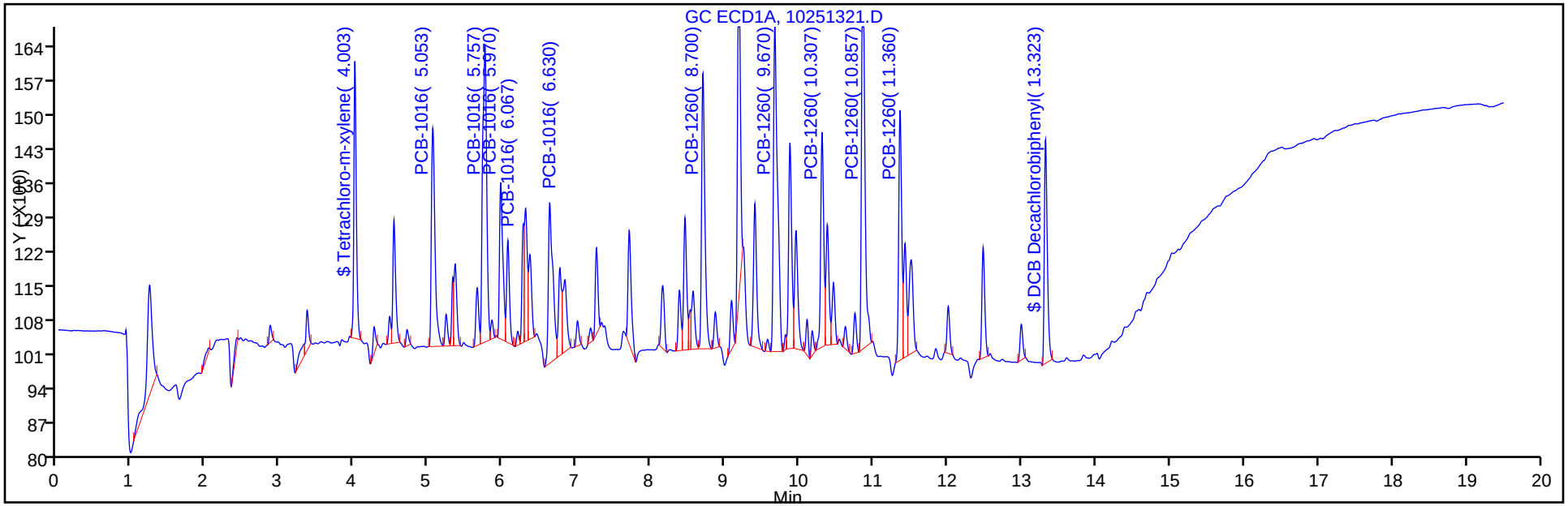
Report Date: 29-Oct-2013 12:13:15 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

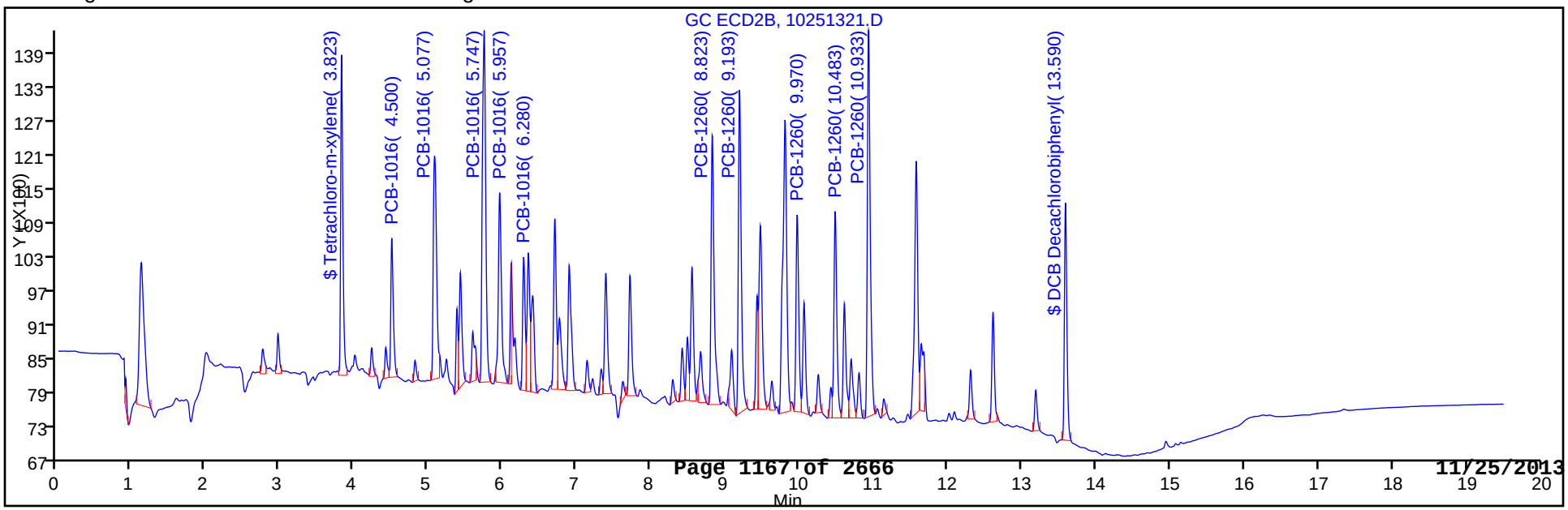
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Injection Date:	25-Oct-2013 22:40:20	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	21
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16059

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1232 Peak 1	4.263	4.260	4.260	4.260	4.260	4.260	4.260				4.220 - 4.300	4.260
PCB-1232 Peak 2	4.527	4.527	4.527	4.527	4.527	4.527	4.527				4.487 - 4.567	4.527
PCB-1232 Peak 3	5.757	5.757	5.757	5.757	5.760	5.757	5.757				5.720 - 5.800	5.757
PCB-1232 Peak 4	5.970	5.967	5.970	5.967	5.970	5.967	5.967				5.930 - 6.010	5.968
PCB-1232 Peak 5	6.630	6.630	6.630	6.630	6.630	6.627	6.630				6.590 - 6.670	6.630
PCB-1262 Peak 1	8.697	8.697	8.697	8.693	8.693	8.690	8.690				8.653 - 8.733	8.694
PCB-1262 Peak 2	9.870	9.870	9.870	9.867	9.867	9.863	9.863				9.827 - 9.907	9.867
PCB-1262 Peak 3	10.303	10.303	10.303	10.300	10.300	10.297	10.297				10.260 - 10.340	10.300
PCB-1262 Peak 4	10.857	10.853	10.853	10.850	10.850	10.847	10.847				10.810 - 10.890	10.851
PCB-1262 Peak 5	11.423	11.423	11.423	11.420	11.420	11.417	11.420				11.380 - 11.460	11.421

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16059

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1232 Peak 1	136.56 80.014	114.80 78.471	99.370 76.176	88.636	Lin1	1800.27615	76.1435764							0.9990		0.9900
PCB-1232 Peak 2	330.60 222.19	304.94 214.95	290.04 203.65	250.06	Lin1	4497.55152	209.159304							0.9950		0.9900
PCB-1232 Peak 3	445.08 354.38	424.54 353.60	414.07 345.24	363.52	Lin1	3474.14233	346.898693							0.9990		0.9900
PCB-1232 Peak 4	192.68 157.89	183.50 157.97	189.80 152.87	152.74	Lin1	1409.43888	153.863898							0.9980		0.9900
PCB-1232 Peak 5	374.40 170.46	244.76 166.58	210.30 158.75	191.72	Lin1	5242.12546	158.048644							0.9980		0.9900
PCB-1262 Peak 1	552.24 372.46	505.08 383.79	485.48 370.31	415.87	Lin1	6236.81703	370.955619							0.9980		0.9900
PCB-1262 Peak 2	839.04 544.70	764.02 544.60	695.68 529.39	582.67	Lin1	10249.9161	528.169939							0.9990		0.9900
PCB-1262 Peak 3	775.04 491.77	671.78 485.94	616.02 469.36	535.84	Lin1	9497.88144	471.676946							0.9980		0.9900
PCB-1262 Peak 4	1361.3 1054.0	1254.9 1050.3	1286.8 1035.6	1141.9	Lin1	11620.9745	1039.23109							0.9990		0.9900
PCB-1262 Peak 5	650.76 409.20	547.96 418.72	523.18 398.00	459.07	Lin1	7609.72520	401.542028							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16059

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Lin1	3414 58853	5740 76176	9937	22159	40007	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 2	Lin1	8265 161212	15247 203646	29004	62514	111096	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 3	Lin1	11127 265197	21227 345244	41407	90880	177191	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 4	Lin1	4817 118480	9175 152870	18980	38185	78945	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 5	Lin1	9360 124934	12238 158751	21030	47930	85232	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 1	Lin1	13806 287844	25254 370312	48548	103968	186232	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 2	Lin1	20976 408449	38201 529393	69568	145667	272350	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 3	Lin1	19376 364453	33589 469358	61602	133959	245884	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 4	Lin1	34033 787750	62744 1035570	128683	285487	527023	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 5	Lin1	16269 314038	27398 398004	52318	114768	204598	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251322.D		
Lims ID:	STDL73262	Client ID:	
Inject. Date:	25-Oct-2013 23:03:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL73262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	197868	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:14	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:47:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	76176	976.8		100.0	
1	2	4.527	4.527	0.000	203646	952.1	237.7- 317.7	267.3	
1	3	5.757	5.760	-0.003	345244	985.2	402.9- 482.9	453.2	
1	4	5.967	5.970	-0.003	152870	984.4	157.3- 237.3	200.7	
1	5	6.630	6.630	0.000	158751	971.3	173.0- 253.0	208.4	
			Average of Peak Amounts =			974.0			
2	6	4.227	4.227	0.000	64670	960.8		100.0	
2	7	4.497	4.497	0.000	163555	954.1	216.5- 296.5	252.9	
2	8	5.747	5.747	0.000	265098	969.2	357.2- 437.2	409.9	
2	9	5.953	5.953	0.000	124822	961.4	148.5- 228.5	193.0	
2	10	6.893	6.893	0.000	97137	975.3	102.6- 182.6	150.2	
			Average of Peak Amounts =			964.1			
						RPD = 1.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.690	8.693	-0.003	370312	981.5		100.0	
1	2	9.863	9.867	-0.004	529393	982.9	106.2- 186.2	143.0	
1	3	10.297	10.300	-0.003	469358	974.9	92.0- 172.0	126.7	
1	4	10.847	10.850	-0.003	1035570	985.3	243.0- 323.0	279.6	
1	5	11.420	11.420	0.000	398004	972.2	69.9- 149.9	107.5	
			Average of Peak Amounts =			979.4			
2	6	8.817	8.820	-0.003	285177	978.4		100.0	
2	7	9.183	9.187	-0.004	292056	974.3	64.4- 144.4	102.4	
2	8	9.960	9.963	-0.003	364019	971.1	90.4- 170.4	127.6	
2	9	10.477	10.477	0.000	350269	979.4	83.7- 163.7	122.8	
2	10	10.927	10.927	0.000	637277	983.3	182.5- 262.5	223.5	
			Average of Peak Amounts =			977.3			
						RPD = 0.21			
S 15 Polychlorinated biphenyls, Total									
1						1953.3			
2						1941.4			
						RPD = 0.61			

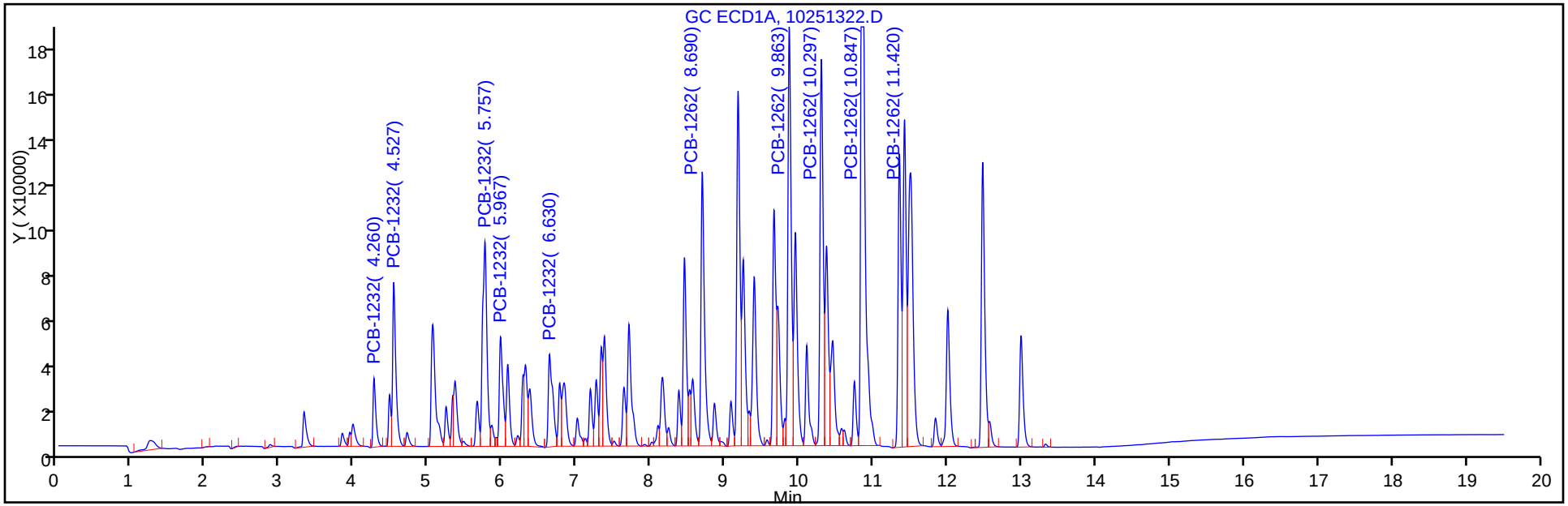
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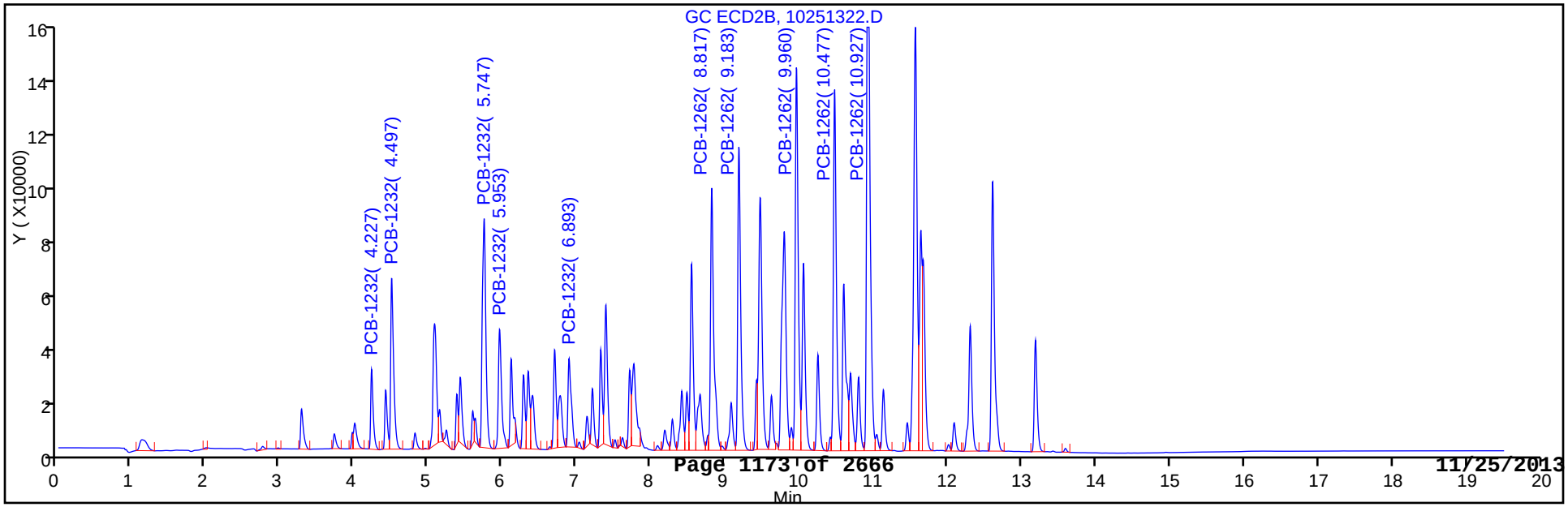
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Injection Date:	25-Oct-2013 23:03:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251323.D
Lims ID: STDL63262 Client ID:
Inject. Date: 25-Oct-2013 23:26:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL63262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 197868 Lims Sample ID: 23
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:13 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	58853	749.3		100.0	
1	2	4.527	4.527	0.000	161212	749.3	237.7- 317.7	273.9	
1	3	5.757	5.760	-0.003	265197	754.5	402.9- 482.9	450.6	
1	4	5.967	5.970	-0.003	118480	760.9	157.3- 237.3	201.3	
1	5	6.627	6.630	-0.003	124934	757.3	173.0- 253.0	212.3	
			Average of Peak Amounts =			754.2			
2	6	4.227	4.227	0.000	50419	743.8		100.0	
2	7	4.497	4.497	0.000	129160	747.5	216.5- 296.5	256.2	
2	8	5.747	5.747	0.000	208375	758.4	357.2- 437.2	413.3	
2	9	5.953	5.953	0.000	99230	761.4	148.5- 228.5	196.8	
2	10	6.893	6.893	0.000	74145	741.4	102.6- 182.6	147.1	
			Average of Peak Amounts =			750.5			
						RPD = 0.50			
8 PCB-1262									
1	1	8.690	8.693	-0.003	287844	759.1		100.0	
1	2	9.863	9.867	-0.004	408449	753.9	106.2- 186.2	141.9	
1	3	10.297	10.300	-0.003	364453	752.5	92.0- 172.0	126.6	
1	4	10.847	10.850	-0.003	787750	746.8	243.0- 323.0	273.7	
1	5	11.417	11.420	-0.003	314038	763.1	69.9- 149.9	109.1	
			Average of Peak Amounts =			755.1			
2	6	8.817	8.820	-0.003	219387	747.7		100.0	
2	7	9.183	9.187	-0.004	225498	746.7	64.4- 144.4	102.8	
2	8	9.960	9.963	-0.003	281302	745.4	90.4- 170.4	128.2	
2	9	10.473	10.477	-0.004	267303	743.2	83.7- 163.7	121.8	
2	10	10.923	10.927	-0.004	486191	746.4	182.5- 262.5	221.6	
			Average of Peak Amounts =			745.9			
						RPD = 1.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1509.3			
2						1496.4			
						RPD = 0.86			

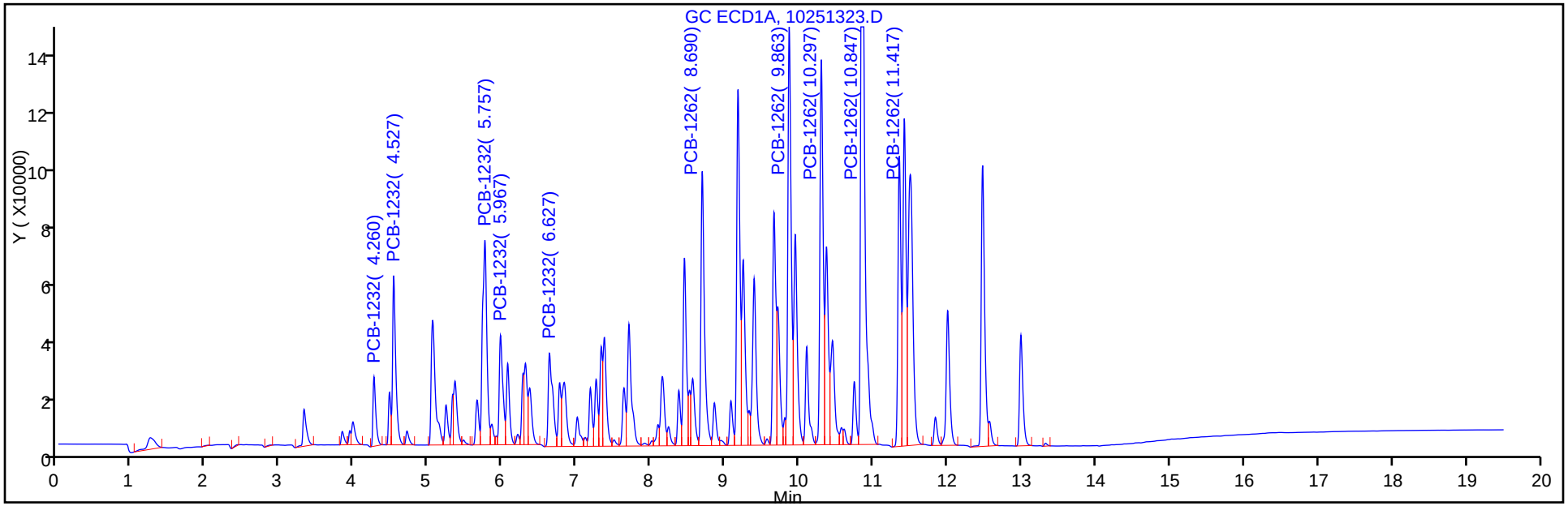
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TestAmerica Denver

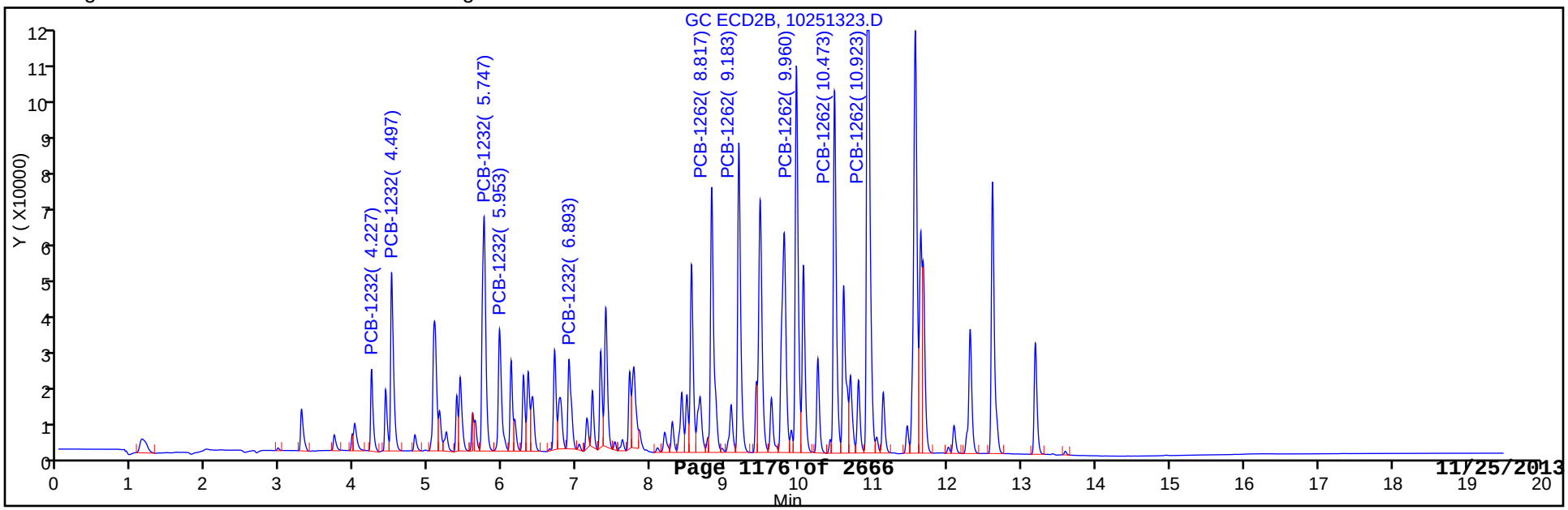
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Injection Date:	25-Oct-2013 23:26:45	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	23
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251324.D		
Lims ID:	STDL53262	Client ID:	
Inject. Date:	25-Oct-2013 23:50:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL53262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	197868	Lims Sample ID:	24
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:12	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:18:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	40007	501.8		100.0	
1	2	4.527	4.527	0.000	111096	509.7	237.7- 317.7	277.7	
1	3	5.760	5.760	0.000	177191	500.8	402.9- 482.9	442.9	
1	4	5.970	5.970	0.000	78945	503.9	157.3- 237.3	197.3	
1	5	6.630	6.630	0.000	85232	506.1	173.0- 253.0	213.0	
			Average of Peak Amounts =			504.4			
2	6	4.227	4.227	0.000	34893	507.5		100.0	
2	7	4.497	4.497	0.000	89504	509.3	216.5- 296.5	256.5	
2	8	5.747	5.747	0.000	138611	499.2	357.2- 437.2	397.2	
2	9	5.953	5.953	0.000	65756	499.7	148.5- 228.5	188.5	
2	10	6.893	6.893	0.000	49768	493.5	102.6- 182.6	142.6	
			Average of Peak Amounts =			501.9			
						RPD = 0.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.693	8.693	0.000	186232	485.2		100.0	
1	2	9.867	9.867	0.000	272350	496.2	106.2- 186.2	146.2	
1	3	10.300	10.300	0.000	245884	501.2	92.0- 172.0	132.0	
1	4	10.850	10.850	0.000	527023	495.9	243.0- 323.0	283.0	
1	5	11.420	11.420	0.000	204598	490.6	69.9- 149.9	109.9	
			Average of Peak Amounts =			493.8			
2	6	8.820	8.820	0.000	146976	493.8		100.0	
2	7	9.187	9.187	0.000	153379	500.0	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	191642	500.8	90.4- 170.4	130.4	
2	9	10.477	10.477	0.000	181824	499.8	83.7- 163.7	123.7	
2	10	10.927	10.927	0.000	327021	496.7	182.5- 262.5	222.5	
			Average of Peak Amounts =			498.2			
						RPD = 0.89			
S 15 Polychlorinated biphenyls, Total									
1						998.3			
2						1000.1			
						RPD = 0.18			

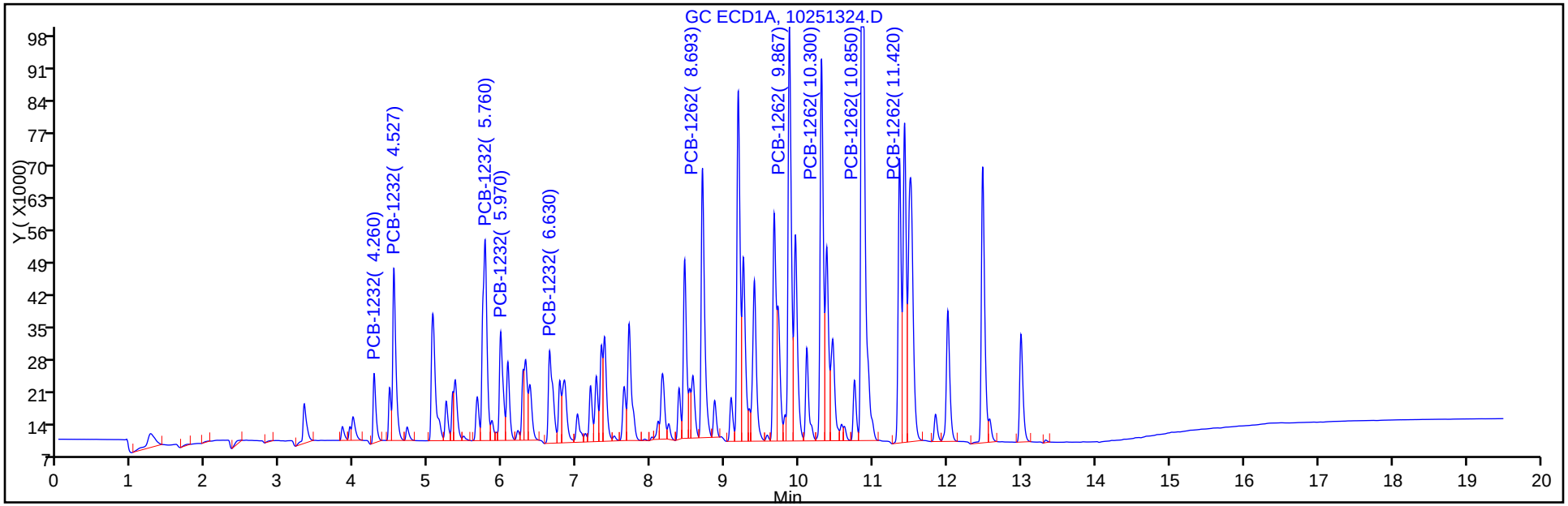
Report Date: 29-Oct-2013 12:13:13 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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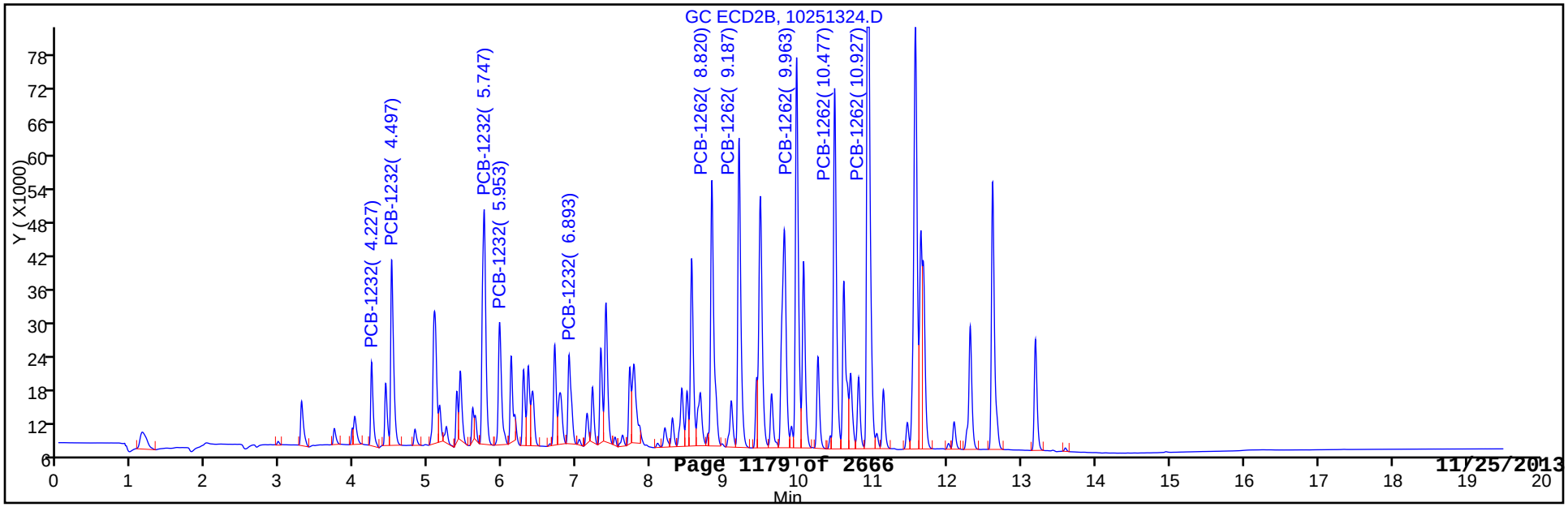
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251324.D

Injection Date:	25-Oct-2013 23:50:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	24
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251325.D		
Lims ID:	STDL43262	Client ID:	
Inject. Date:	26-Oct-2013 00:13:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL43262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	197868	Lims Sample ID:	25
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:11	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	22159	267.4		100.0	
1	2	4.527	4.527	0.000	62514	277.4	237.7- 317.7	282.1	
1	3	5.757	5.760	-0.003	90880	252.0	402.9- 482.9	410.1	
1	4	5.967	5.970	-0.003	38185	239.0	157.3- 237.3	172.3	
1	5	6.630	6.630	0.000	47930	270.1	173.0- 253.0	216.3	
			Average of Peak Amounts =			261.2			
2	6	4.230	4.227	0.003	19822	278.1		100.0	
2	7	4.500	4.497	0.003	51016	278.2	216.5- 296.5	257.4	
2	8	5.747	5.747	0.000	75616	265.2	357.2- 437.2	381.5	
2	9	5.957	5.953	0.004	36003	267.2	148.5- 228.5	181.6	
2	10	6.893	6.893	0.000	28913	281.4	102.6- 182.6	145.9	
			Average of Peak Amounts =			274.0			
						RPD = 4.79			
8 PCB-1262									
1	1	8.693	8.693	0.000	103968	263.5		100.0	
1	2	9.867	9.867	0.000	145667	256.4	106.2- 186.2	140.1	
1	3	10.300	10.300	0.000	133959	263.9	92.0- 172.0	128.8	
1	4	10.850	10.850	0.000	285487	263.5	243.0- 323.0	274.6	
1	5	11.420	11.420	0.000	114768	266.9	69.9- 149.9	110.4	
			Average of Peak Amounts =			262.8			
2	6	8.820	8.820	0.000	82892	269.2		100.0	
2	7	9.187	9.187	0.000	85642	268.3	64.4- 144.4	103.3	
2	8	9.967	9.963	0.004	107728	271.9	90.4- 170.4	130.0	
2	9	10.480	10.477	0.003	100307	267.8	83.7- 163.7	121.0	
2	10	10.927	10.927	0.000	179214	264.9	182.5- 262.5	216.2	
			Average of Peak Amounts =			268.4			
						RPD = 2.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.0			
2						542.4			
						RPD = 3.45			

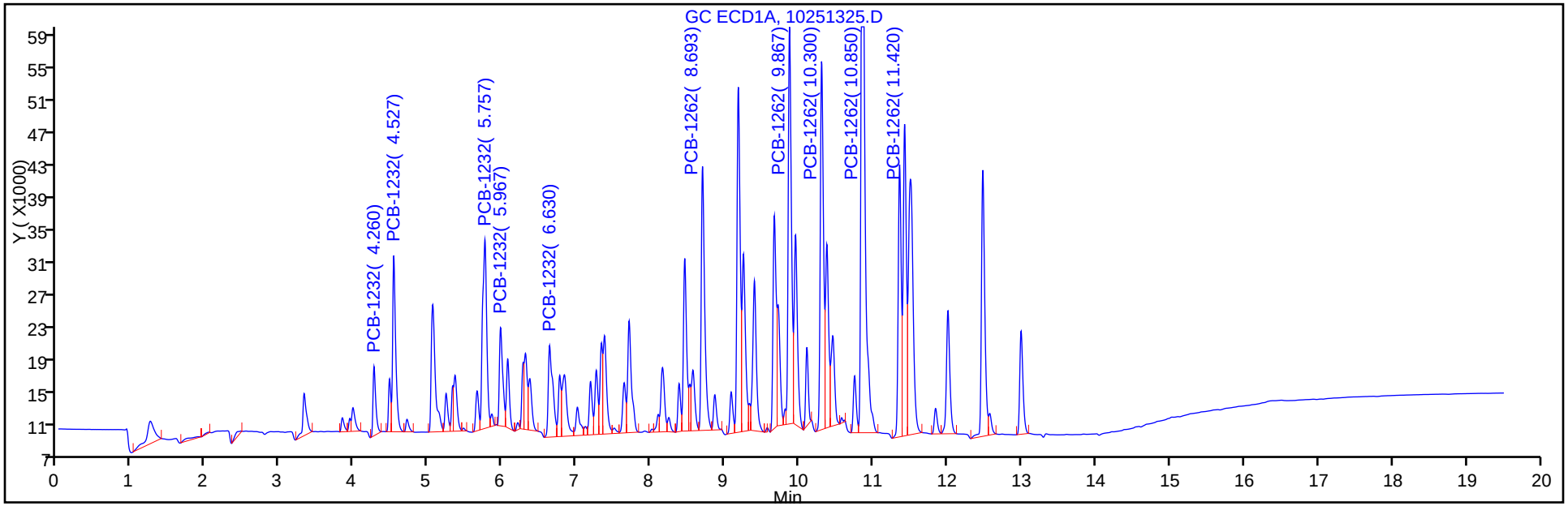
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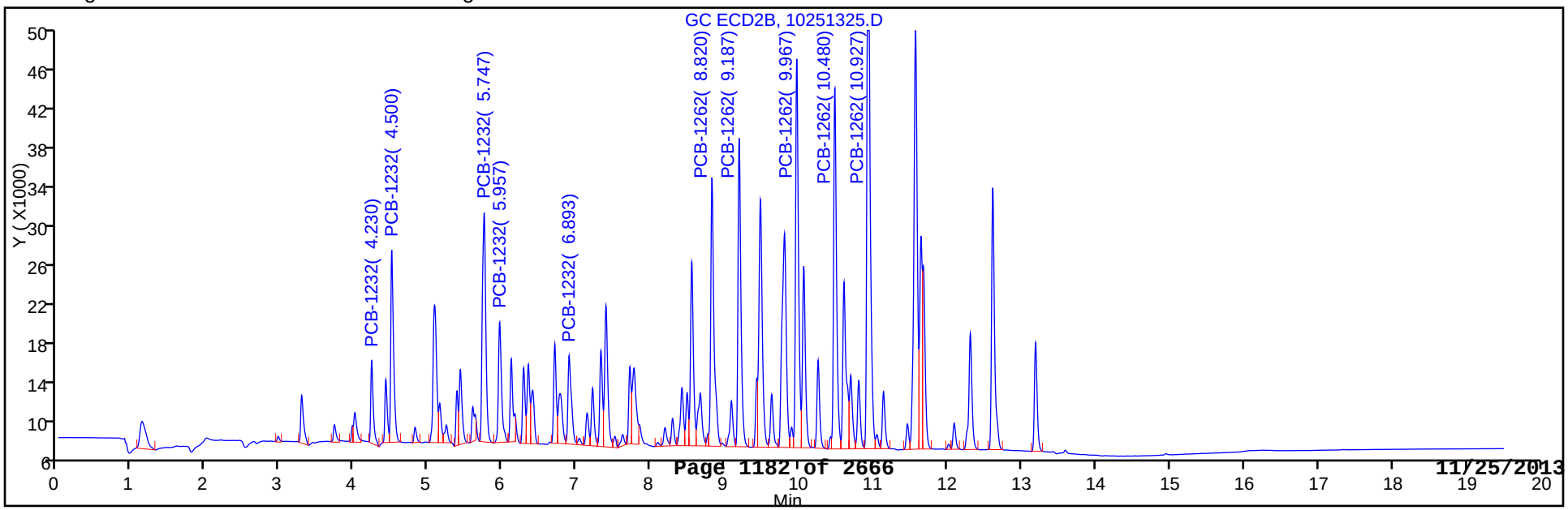
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251325.D

Injection Date:	26-Oct-2013 00:13:09	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	25
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251326.D
Lims ID: STDL33262 Client ID:
Inject. Date: 26-Oct-2013 00:36:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL33262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 197868 Lims Sample ID: 26
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:11 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	9937	106.9		100.0	
1	2	4.527	4.527	0.000	29004	117.2	237.7- 317.7	291.9	
1	3	5.757	5.760	-0.003	41407	109.3	402.9- 482.9	416.7	
1	4	5.970	5.970	0.000	18980	114.2	157.3- 237.3	191.0	
1	5	6.630	6.630	0.000	21030	99.9	173.0- 253.0	211.6	
			Average of Peak Amounts =			109.5			
2	6	4.230	4.227	0.003	9177	116.0		100.0	
2	7	4.500	4.497	0.003	23997	115.9	216.5- 296.5	261.5	
2	8	5.747	5.747	0.000	33927	110.3	357.2- 437.2	369.7	
2	9	5.957	5.953	0.004	16264	112.9	148.5- 228.5	177.2	
2	10	6.893	6.893	0.000	12335	112.8	102.6- 182.6	134.4	
			Average of Peak Amounts =			113.6			
						RPD = 3.66			
8 PCB-1262									
1	1	8.697	8.693	0.004	48548	114.1		100.0	
1	2	9.870	9.867	0.003	69568	112.3	106.2- 186.2	143.3	
1	3	10.303	10.300	0.003	61602	110.5	92.0- 172.0	126.9	
1	4	10.853	10.850	0.003	128683	112.6	243.0- 323.0	265.1	
1	5	11.423	11.420	0.003	52318	111.3	69.9- 149.9	107.8	
			Average of Peak Amounts =			112.2			
2	6	8.823	8.820	0.003	38677	114.2		100.0	
2	7	9.190	9.187	0.003	40361	113.5	64.4- 144.4	104.4	
2	8	9.967	9.963	0.004	50532	115.8	90.4- 170.4	130.7	
2	9	10.480	10.477	0.003	46543	114.7	83.7- 163.7	120.3	
2	10	10.930	10.927	0.003	81727	112.0	182.5- 262.5	211.3	
			Average of Peak Amounts =			114.0			
						RPD = 1.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						221.7			
2						227.6			
						RPD = 2.65			

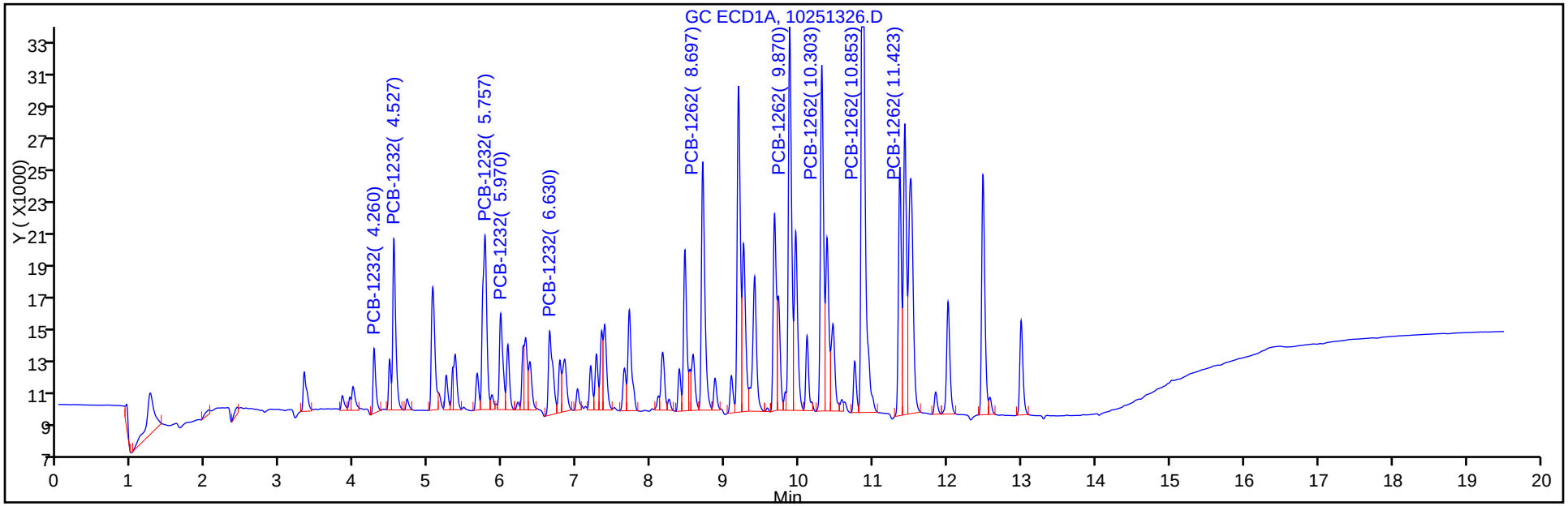
Report Date: 29-Oct-2013 12:13:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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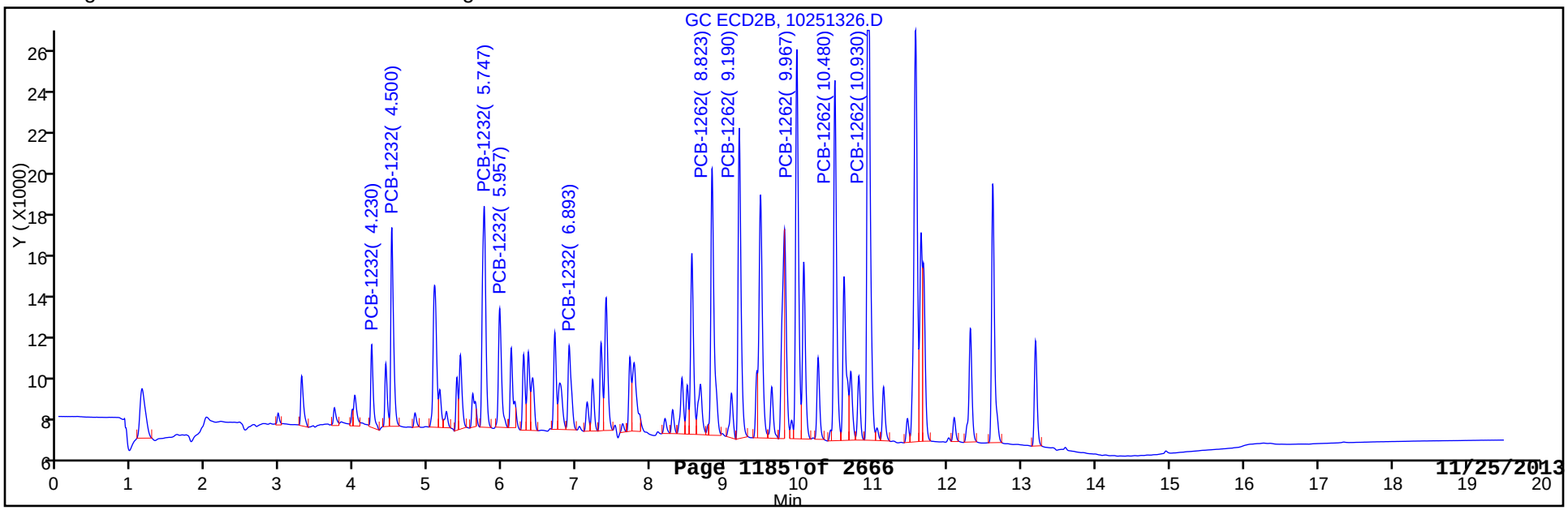
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251326.D

Injection Date:	26-Oct-2013 00:36:22	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	26
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251327.D		
Lims ID:	STDL23262	Client ID:	
Inject. Date:	26-Oct-2013 00:59:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STDL23262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	197868	Lims Sample ID:	27
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:10	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	5740	51.7		100.0	
1	2	4.527	4.527	0.000	15247	51.4	237.7- 317.7	265.6	
1	3	5.757	5.760	-0.003	21227	51.2	402.9- 482.9	369.8	
1	4	5.967	5.970	-0.003	9175	50.5	157.3- 237.3	159.8	
1	5	6.630	6.630	0.000	12238	44.3	173.0- 253.0	213.2	
			Average of Peak Amounts =			49.8			
2	6	4.227	4.227	0.000	4819	49.7		100.0	
2	7	4.500	4.497	0.003	13379	52.1	216.5- 296.5	277.6	
2	8	5.747	5.747	0.000	18377	52.5	357.2- 437.2	381.3	
2	9	5.953	5.953	0.000	8675	53.6	148.5- 228.5	180.0	
2	10	6.893	6.893	0.000	6319	51.6	102.6- 182.6	131.1	
			Average of Peak Amounts =			51.9			
						RPD = 4.10			
8 PCB-1262									
1	1	8.697	8.693	0.004	25254	51.3		100.0	
1	2	9.870	9.867	0.003	38201	52.9	106.2- 186.2	151.3	
1	3	10.303	10.300	0.003	33589	51.1	92.0- 172.0	133.0	
1	4	10.853	10.850	0.003	62744	49.2	243.0- 323.0	248.5	
1	5	11.423	11.420	0.003	27398	49.3	69.9- 149.9	108.5	
			Average of Peak Amounts =			50.7			
2	6	8.823	8.820	0.003	21104	52.6		100.0	
2	7	9.190	9.187	0.003	22791	53.4	64.4- 144.4	108.0	
2	8	9.967	9.963	0.004	26674	50.7	90.4- 170.4	126.4	
2	9	10.480	10.477	0.003	23690	49.6	83.7- 163.7	112.3	
2	10	10.930	10.927	0.003	42645	50.7	182.5- 262.5	202.1	
			Average of Peak Amounts =			51.4			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						100.6			
2						103.3			
						RPD = 2.70			

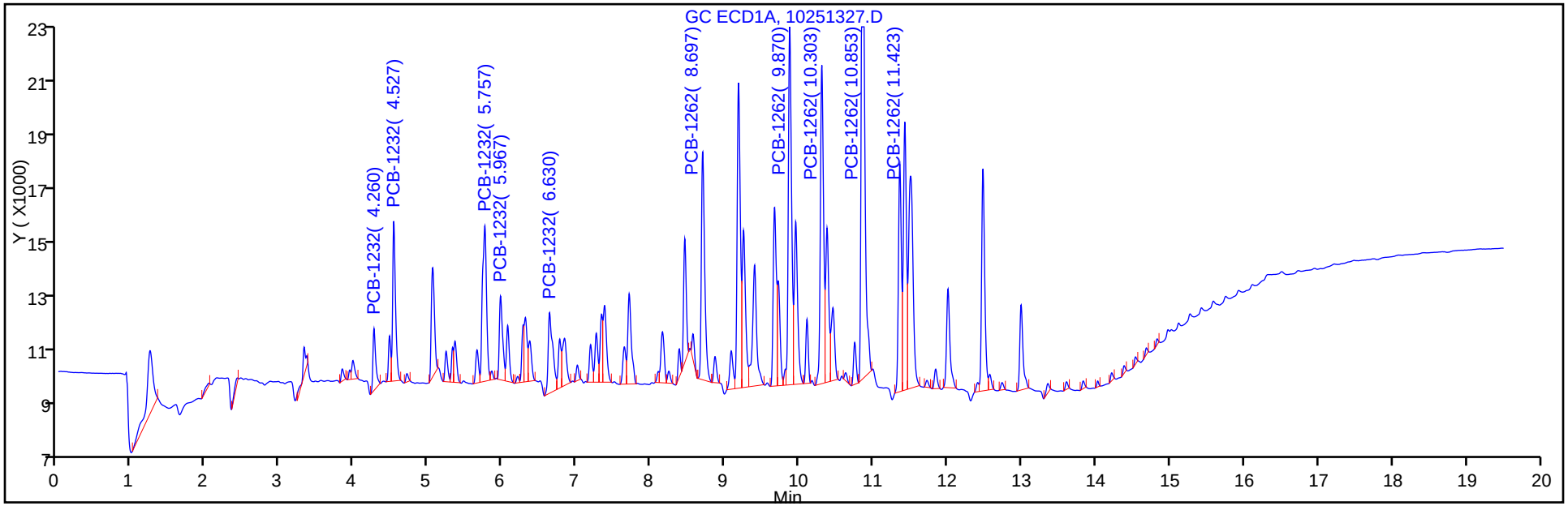
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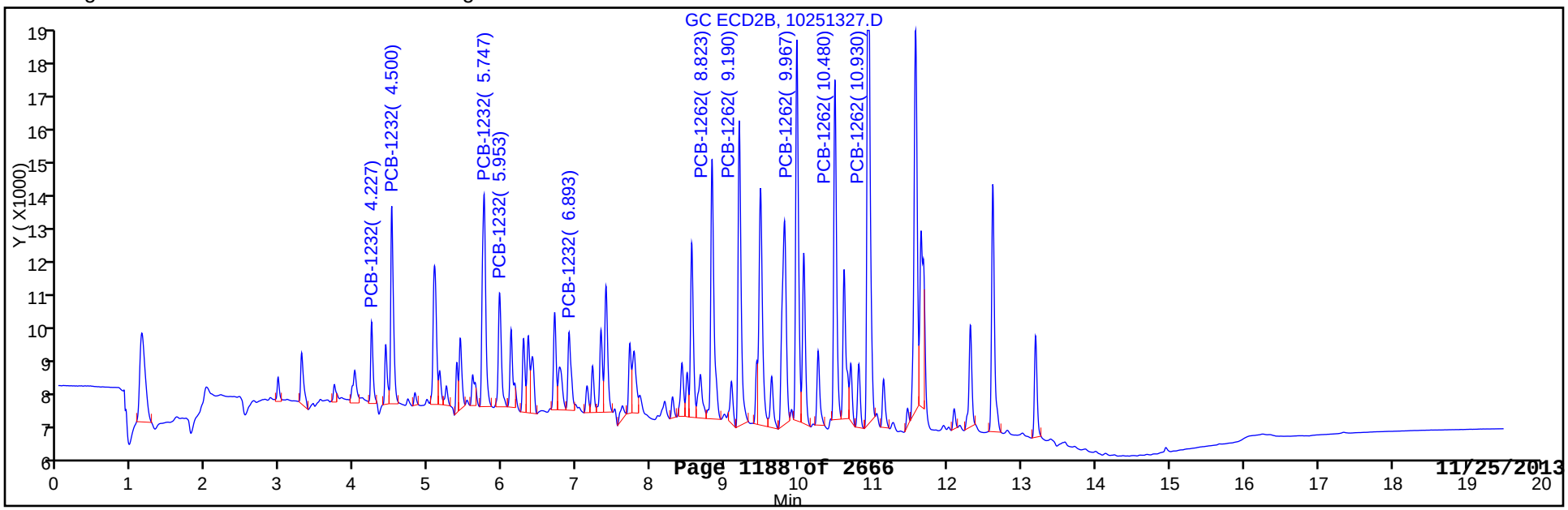
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Injection Date:	26-Oct-2013 00:59:24	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	27
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D		
Lims ID:	STDL13262	Client ID:	
Inject. Date:	26-Oct-2013 01:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL13262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	197868	Lims Sample ID:	28
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:08	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:53:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.263	4.260	0.003	3414	21.2		100.0	
1	2	4.527	4.527	0.000	8265	18.0	237.7- 317.7	242.1	
1	3	5.757	5.760	-0.003	11127	22.1	402.9- 482.9	325.9	
1	4	5.970	5.970	0.000	4817	22.1	157.3- 237.3	141.1	
1	5	6.630	6.630	0.000	9360	26.1	173.0- 253.0	274.2	
			Average of Peak Amounts =			21.9			
2	6	4.227	4.227	0.000	2813	19.2		100.0	
2	7	4.500	4.497	0.003	7678	17.9	216.5- 296.5	272.9	
2	8	5.747	5.747	0.000	9672	20.2	357.2- 437.2	343.8	
2	9	5.957	5.953	0.004	4240	18.9	148.5- 228.5	150.7	
2	10	6.893	6.893	0.000	3130	19.1	102.6- 182.6	111.3	
			Average of Peak Amounts =			19.0			
						RPD = 13.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									M
1	1	8.697	8.693	0.004	13806	20.4		100.0	M
1	2	9.870	9.867	0.003	20976	20.3	106.2- 186.2	151.9	
1	3	10.303	10.300	0.003	19376	20.9	92.0- 172.0	140.3	
1	4	10.857	10.850	0.007	34033	21.6	243.0- 323.0	246.5	
1	5	11.423	11.420	0.003	16269	21.6	69.9- 149.9	117.8	
			Average of Peak Amounts =			21.0			
2	6	8.823	8.820	0.003	11582	19.2		100.0	
2	7	9.190	9.187	0.003	12694	18.9	64.4- 144.4	109.6	
2	8	9.967	9.963	0.004	15164	19.3	90.4- 170.4	130.9	
2	9	10.480	10.477	0.003	13447	20.5	83.7- 163.7	116.1	
2	10	10.930	10.927	0.003	23572	20.8	182.5- 262.5	203.5	
			Average of Peak Amounts =			19.7			
						RPD = 6.01			
S 15 Polychlorinated biphenyls, Total									
1						42.9			
2						38.8			
						RPD = 9.96			

QC Flag Legend

Review Flags
M - Manually Integrated

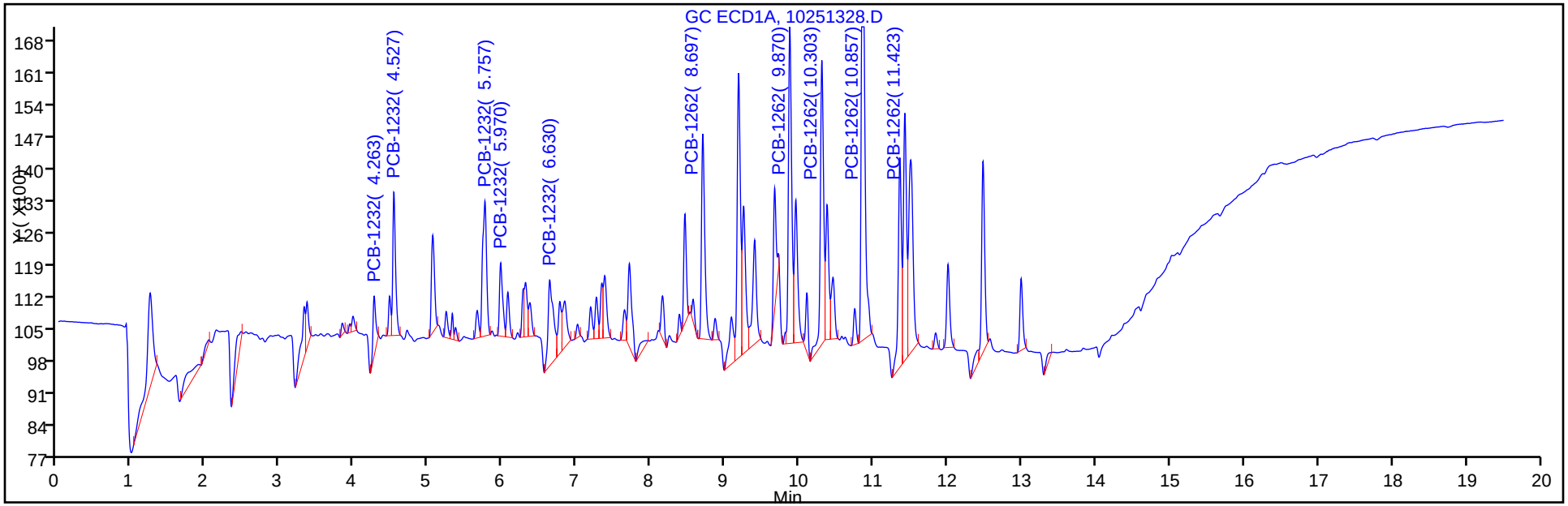
Report Date: 29-Oct-2013 12:13:09 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

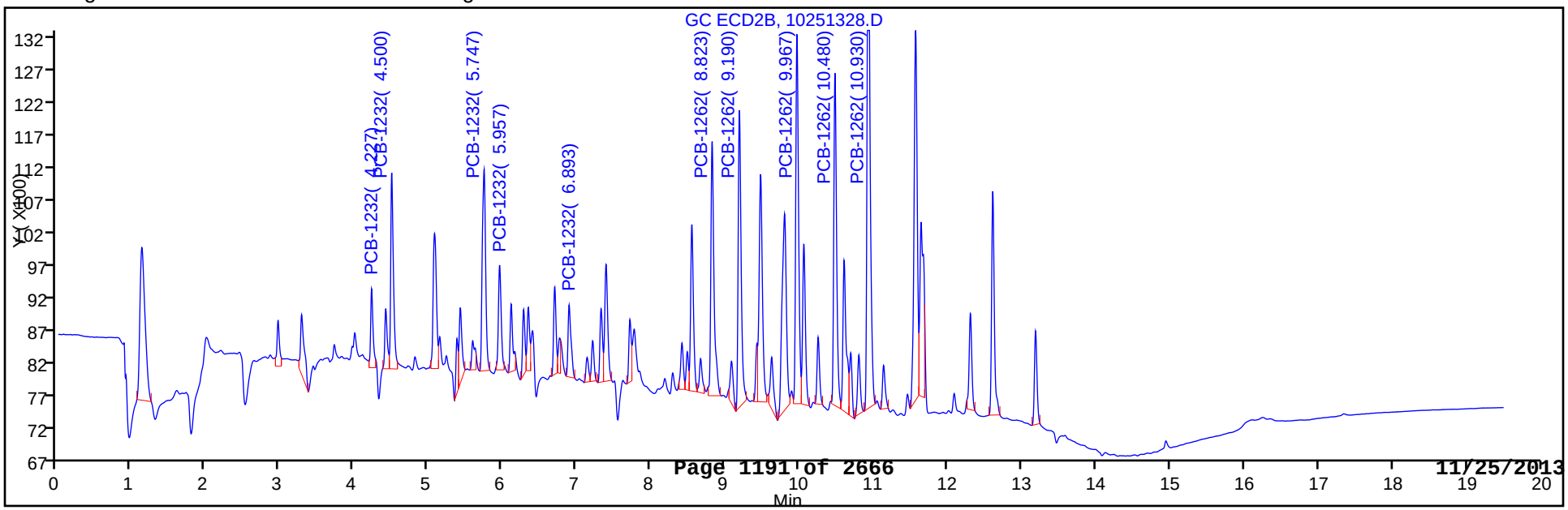
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D

Injection Date:	26-Oct-2013 01:22:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	28
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



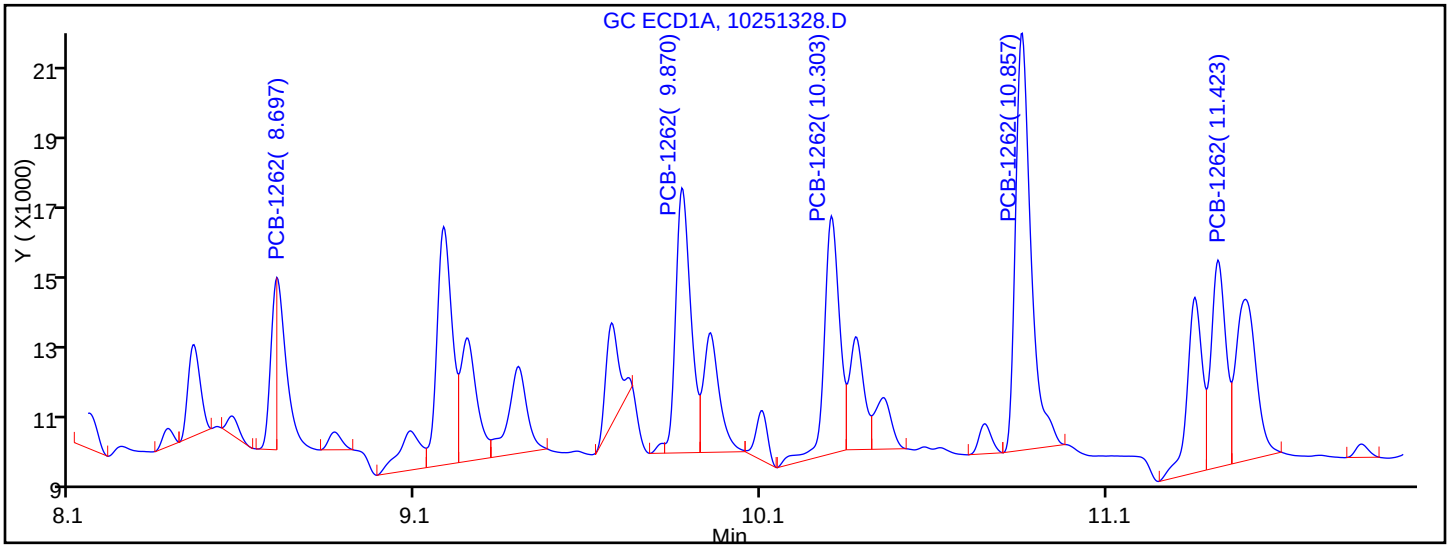
Report Date: 29-Oct-2013 12:13:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D

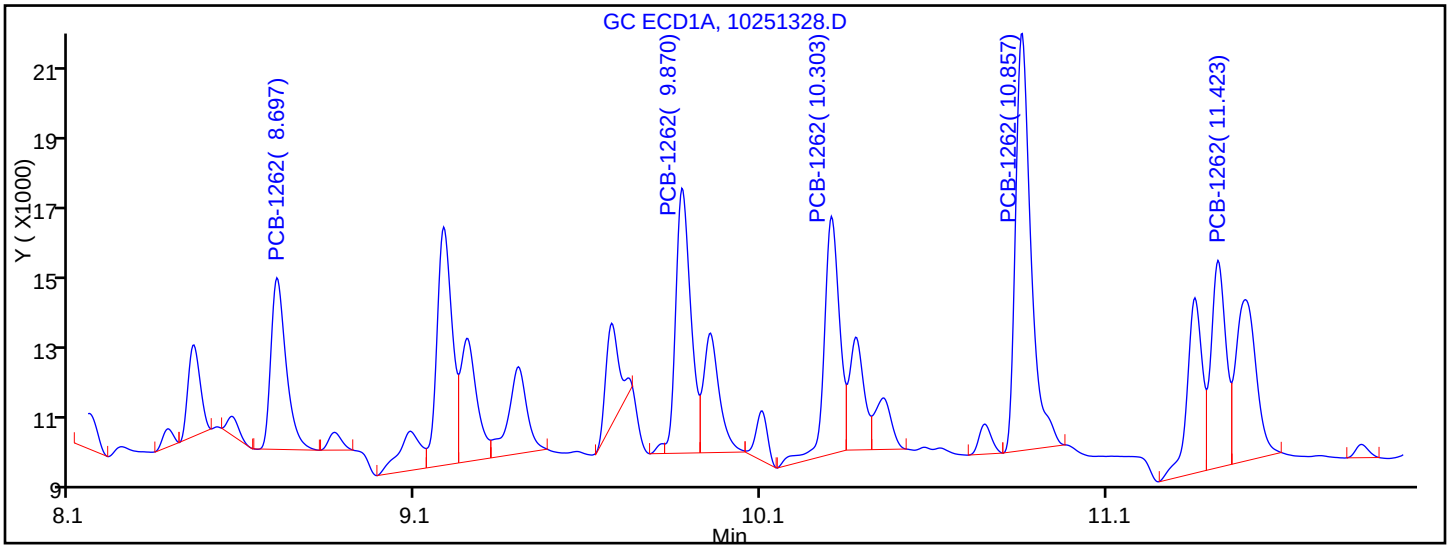
Injection Date:	26-Oct-2013 01:22:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	28
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

8 PCB-1262, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.697	Response = 5307	M
RT = 9.870	Response = 20976	
RT = 10.303	Response = 19376	
RT = 10.857	Response = 34033	
RT = 11.423	Response = 16269	



Manual Integration Results

RT = 8.697	Response = 13806	M
RT = 9.870	Response = 20976	
RT = 10.303	Response = 19376	
RT = 10.857	Response = 34033	
RT = 11.423	Response = 16269	

Reviewer: jacksonto, 29-Oct-2013 10:53:50

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM VI

PCBS INITIAL CALIBRATION DATA

EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1232 Peak 1	4.227	4.227	4.230	4.230	4.227	4.227	4.227				4.187 - 4.267	4.228
PCB-1232 Peak 2	4.500	4.500	4.500	4.500	4.497	4.497	4.497				4.457 - 4.537	4.499
PCB-1232 Peak 3	5.747	5.747	5.747	5.747	5.747	5.747	5.747				5.707 - 5.787	5.747
PCB-1232 Peak 4	5.957	5.953	5.957	5.957	5.953	5.953	5.953				5.913 - 5.993	5.955
PCB-1232 Peak 5	6.893	6.893	6.893	6.893	6.893	6.893	6.893				6.853 - 6.933	6.893
PCB-1262 Peak 1	8.823	8.823	8.823	8.820	8.820	8.817	8.817				8.780 - 8.860	8.820
PCB-1262 Peak 2	9.190	9.190	9.190	9.187	9.187	9.183	9.183				9.147 - 9.227	9.187
PCB-1262 Peak 3	9.967	9.967	9.967	9.967	9.963	9.960	9.960				9.923 - 10.003	9.964
PCB-1262 Peak 4	10.480	10.480	10.480	10.480	10.477	10.473	10.477				10.437 - 10.517	10.478
PCB-1262 Peak 5	10.930	10.930	10.930	10.927	10.927	10.923	10.927				10.887 - 10.967	10.928

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1232 Peak 1	112.52 69.786	96.380 67.225	91.770 64.670	79.288	Lin1	1554.70055	65.6934939							0.9960		0.9900
PCB-1232 Peak 2	307.12 179.01	267.58 172.21	239.97 163.56	204.06	Lin1	4697.32972	166.507548							0.9950		0.9900
PCB-1232 Peak 3	386.88 277.22	367.54 277.83	339.27 265.10	302.46	Lin1	4241.20498	269.154230							0.9980		0.9900
PCB-1232 Peak 4	169.60 131.51	173.50 132.31	162.64 124.82	144.01	Lin1	1823.64111	127.934397							0.9970		0.9900
PCB-1232 Peak 5	125.20 99.536	126.38 98.860	123.35 97.137	115.65	Lin1	1249.69816	98.3174254							0.9960		0.9900
PCB-1262 Peak 1	463.28 293.95	422.08 292.52	386.77 285.18	331.57	Lin1	6110.42320	285.241883							0.9970		0.9900
PCB-1262 Peak 2	507.76 306.76	455.82 300.66	403.61 292.06	342.57	Lin1	7180.43685	292.395492							0.9970		0.9900
PCB-1262 Peak 3	606.56 383.28	533.48 375.07	505.32 364.02	430.91	Lin1	8078.56688	366.546180							0.9970		0.9900
PCB-1262 Peak 4	537.88 363.65	473.80 356.40	465.43 350.27	401.23	Lin1	6253.71498	351.254951							0.9980		0.9900
PCB-1262 Peak 5	942.88 654.04	852.90 648.25	817.27 637.28	716.86	Lin1	10292.2135	637.608039							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Lin1	2813 50419	4819 64670	9177	19822	34893	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 2	Lin1	7678 129160	13379 163555	23997	51016	89504	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 3	Lin1	9672 208375	18377 265098	33927	75616	138611	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 4	Lin1	4240 99230	8675 124822	16264	36003	65756	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 5	Lin1	3130 74145	6319 97137	12335	28913	49768	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 1	Lin1	11582 219387	21104 285177	38677	82892	146976	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 2	Lin1	12694 225498	22791 292056	40361	85642	153379	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 3	Lin1	15164 281302	26674 364019	50532	107728	191642	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 4	Lin1	13447 267303	23690 350269	46543	100307	181824	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 5	Lin1	23572 486191	42645 637277	81727	179214	327021	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251322.D		
Lims ID:	STDL73262	Client ID:	
Inject. Date:	25-Oct-2013 23:03:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL73262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	197868	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:14	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:47:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	76176	976.8		100.0	
1	2	4.527	4.527	0.000	203646	952.1	237.7- 317.7	267.3	
1	3	5.757	5.760	-0.003	345244	985.2	402.9- 482.9	453.2	
1	4	5.967	5.970	-0.003	152870	984.4	157.3- 237.3	200.7	
1	5	6.630	6.630	0.000	158751	971.3	173.0- 253.0	208.4	
			Average of Peak Amounts =			974.0			
2	6	4.227	4.227	0.000	64670	960.8		100.0	
2	7	4.497	4.497	0.000	163555	954.1	216.5- 296.5	252.9	
2	8	5.747	5.747	0.000	265098	969.2	357.2- 437.2	409.9	
2	9	5.953	5.953	0.000	124822	961.4	148.5- 228.5	193.0	
2	10	6.893	6.893	0.000	97137	975.3	102.6- 182.6	150.2	
			Average of Peak Amounts =			964.1			
						RPD = 1.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.690	8.693	-0.003	370312	981.5		100.0	
1	2	9.863	9.867	-0.004	529393	982.9	106.2- 186.2	143.0	
1	3	10.297	10.300	-0.003	469358	974.9	92.0- 172.0	126.7	
1	4	10.847	10.850	-0.003	1035570	985.3	243.0- 323.0	279.6	
1	5	11.420	11.420	0.000	398004	972.2	69.9- 149.9	107.5	
			Average of Peak Amounts =			979.4			
2	6	8.817	8.820	-0.003	285177	978.4		100.0	
2	7	9.183	9.187	-0.004	292056	974.3	64.4- 144.4	102.4	
2	8	9.960	9.963	-0.003	364019	971.1	90.4- 170.4	127.6	
2	9	10.477	10.477	0.000	350269	979.4	83.7- 163.7	122.8	
2	10	10.927	10.927	0.000	637277	983.3	182.5- 262.5	223.5	
			Average of Peak Amounts =			977.3			
						RPD = 0.21			
S 15 Polychlorinated biphenyls, Total									
1						1953.3			
2						1941.4			
						RPD = 0.61			

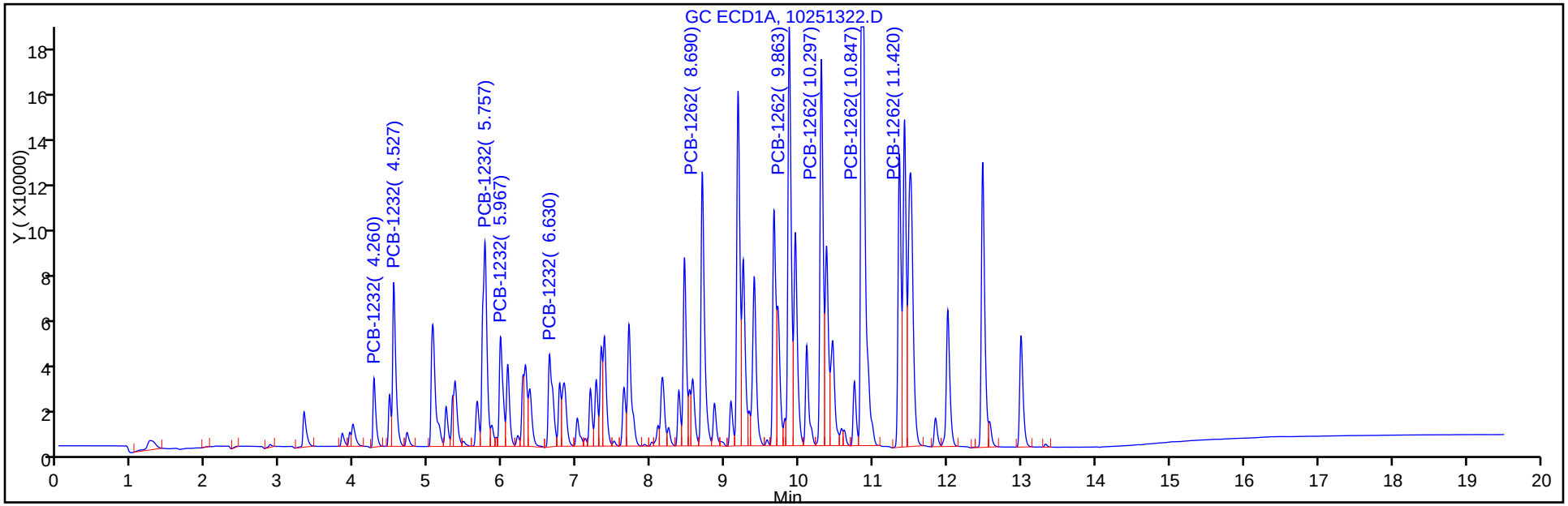
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TestAmerica Denver

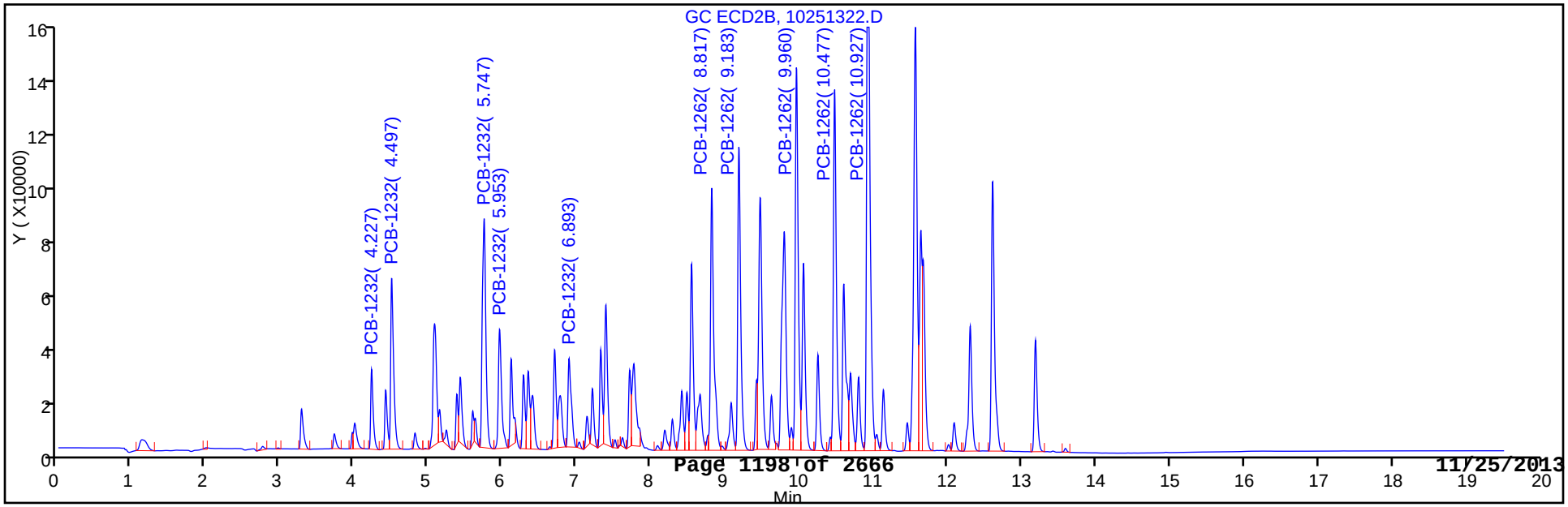
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Injection Date:	25-Oct-2013 23:03:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251323.D
Lims ID: STDL63262 Client ID:
Inject. Date: 25-Oct-2013 23:26:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL63262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 197868 Lims Sample ID: 23
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:13 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	58853	749.3		100.0	
1	2	4.527	4.527	0.000	161212	749.3	237.7- 317.7	273.9	
1	3	5.757	5.760	-0.003	265197	754.5	402.9- 482.9	450.6	
1	4	5.967	5.970	-0.003	118480	760.9	157.3- 237.3	201.3	
1	5	6.627	6.630	-0.003	124934	757.3	173.0- 253.0	212.3	
			Average of Peak Amounts =			754.2			
2	6	4.227	4.227	0.000	50419	743.8		100.0	
2	7	4.497	4.497	0.000	129160	747.5	216.5- 296.5	256.2	
2	8	5.747	5.747	0.000	208375	758.4	357.2- 437.2	413.3	
2	9	5.953	5.953	0.000	99230	761.4	148.5- 228.5	196.8	
2	10	6.893	6.893	0.000	74145	741.4	102.6- 182.6	147.1	
			Average of Peak Amounts =			750.5			
						RPD = 0.50			
8 PCB-1262									
1	1	8.690	8.693	-0.003	287844	759.1		100.0	
1	2	9.863	9.867	-0.004	408449	753.9	106.2- 186.2	141.9	
1	3	10.297	10.300	-0.003	364453	752.5	92.0- 172.0	126.6	
1	4	10.847	10.850	-0.003	787750	746.8	243.0- 323.0	273.7	
1	5	11.417	11.420	-0.003	314038	763.1	69.9- 149.9	109.1	
			Average of Peak Amounts =			755.1			
2	6	8.817	8.820	-0.003	219387	747.7		100.0	
2	7	9.183	9.187	-0.004	225498	746.7	64.4- 144.4	102.8	
2	8	9.960	9.963	-0.003	281302	745.4	90.4- 170.4	128.2	
2	9	10.473	10.477	-0.004	267303	743.2	83.7- 163.7	121.8	
2	10	10.923	10.927	-0.004	486191	746.4	182.5- 262.5	221.6	
			Average of Peak Amounts =			745.9			
						RPD = 1.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1509.3			
2						1496.4			
						RPD = 0.86			

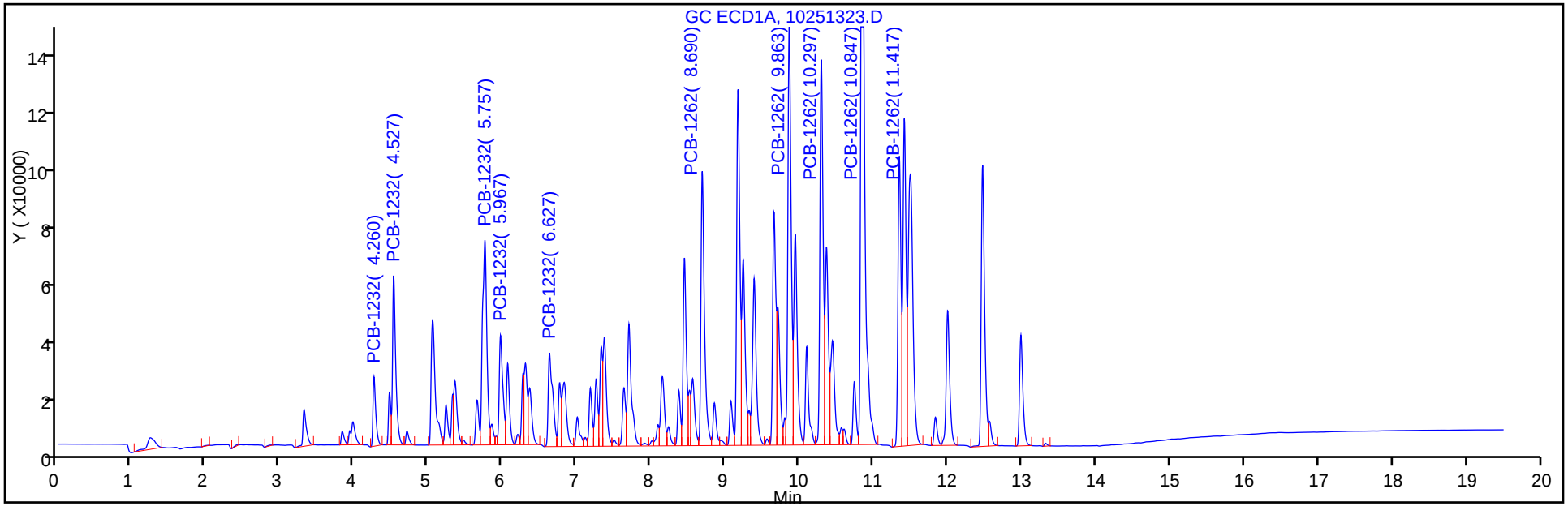
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TestAmerica Denver

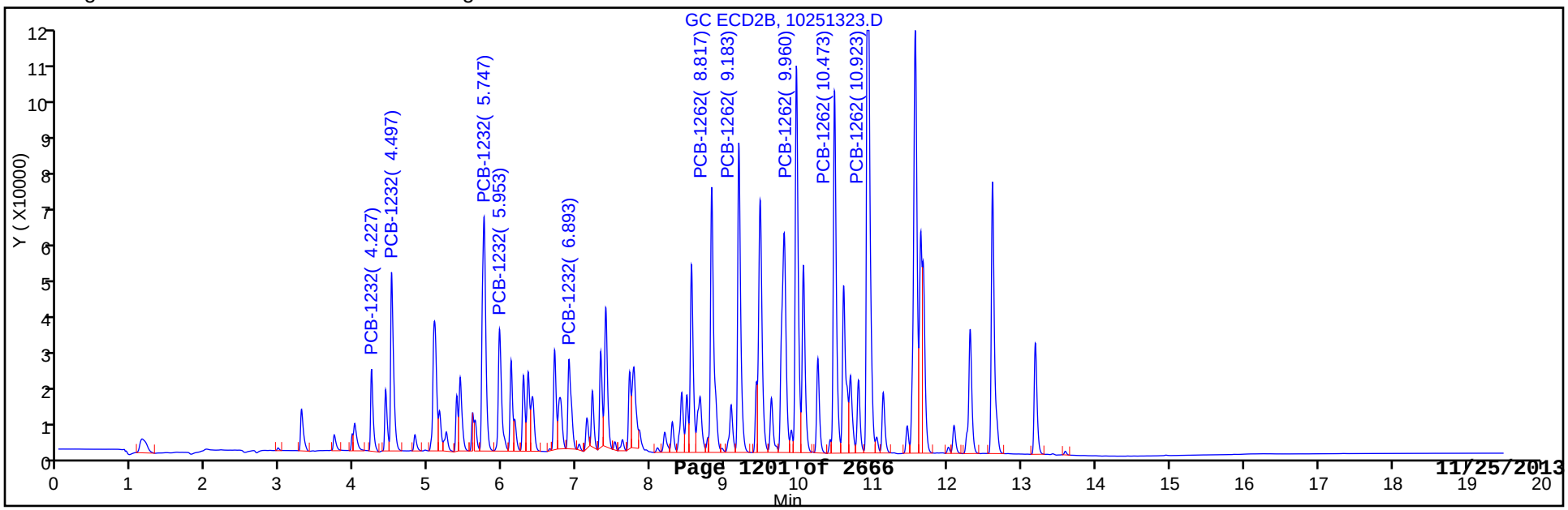
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251323.D

Injection Date:	25-Oct-2013 23:26:45	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	23
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251324.D		
Lims ID:	STDL53262	Client ID:	
Inject. Date:	25-Oct-2013 23:50:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL53262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	197868	Lims Sample ID:	24
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:12	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:18:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	40007	501.8		100.0	
1	2	4.527	4.527	0.000	111096	509.7	237.7- 317.7	277.7	
1	3	5.760	5.760	0.000	177191	500.8	402.9- 482.9	442.9	
1	4	5.970	5.970	0.000	78945	503.9	157.3- 237.3	197.3	
1	5	6.630	6.630	0.000	85232	506.1	173.0- 253.0	213.0	
			Average of Peak Amounts =			504.4			
2	6	4.227	4.227	0.000	34893	507.5		100.0	
2	7	4.497	4.497	0.000	89504	509.3	216.5- 296.5	256.5	
2	8	5.747	5.747	0.000	138611	499.2	357.2- 437.2	397.2	
2	9	5.953	5.953	0.000	65756	499.7	148.5- 228.5	188.5	
2	10	6.893	6.893	0.000	49768	493.5	102.6- 182.6	142.6	
			Average of Peak Amounts =			501.9			
						RPD = 0.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.693	8.693	0.000	186232	485.2		100.0	
1	2	9.867	9.867	0.000	272350	496.2	106.2- 186.2	146.2	
1	3	10.300	10.300	0.000	245884	501.2	92.0- 172.0	132.0	
1	4	10.850	10.850	0.000	527023	495.9	243.0- 323.0	283.0	
1	5	11.420	11.420	0.000	204598	490.6	69.9- 149.9	109.9	
			Average of Peak Amounts =			493.8			
2	6	8.820	8.820	0.000	146976	493.8		100.0	
2	7	9.187	9.187	0.000	153379	500.0	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	191642	500.8	90.4- 170.4	130.4	
2	9	10.477	10.477	0.000	181824	499.8	83.7- 163.7	123.7	
2	10	10.927	10.927	0.000	327021	496.7	182.5- 262.5	222.5	
			Average of Peak Amounts =			498.2			
						RPD = 0.89			
S 15 Polychlorinated biphenyls, Total									
1						998.3			
2						1000.1			
						RPD = 0.18			

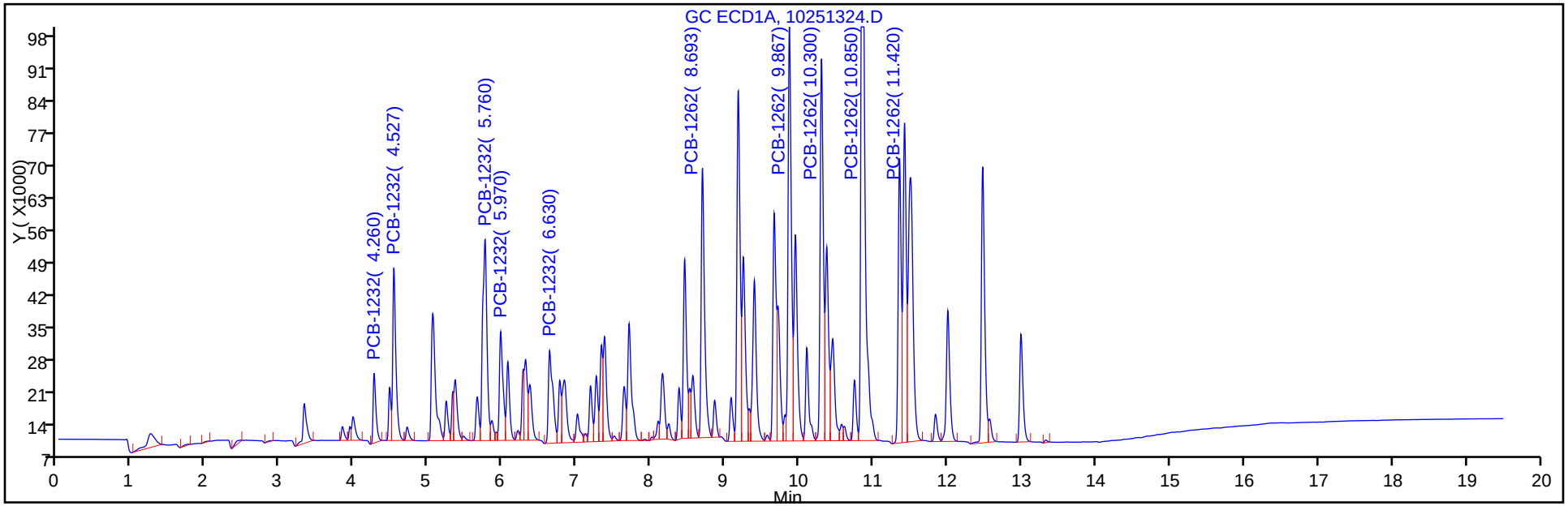
Report Date: 29-Oct-2013 12:13:13 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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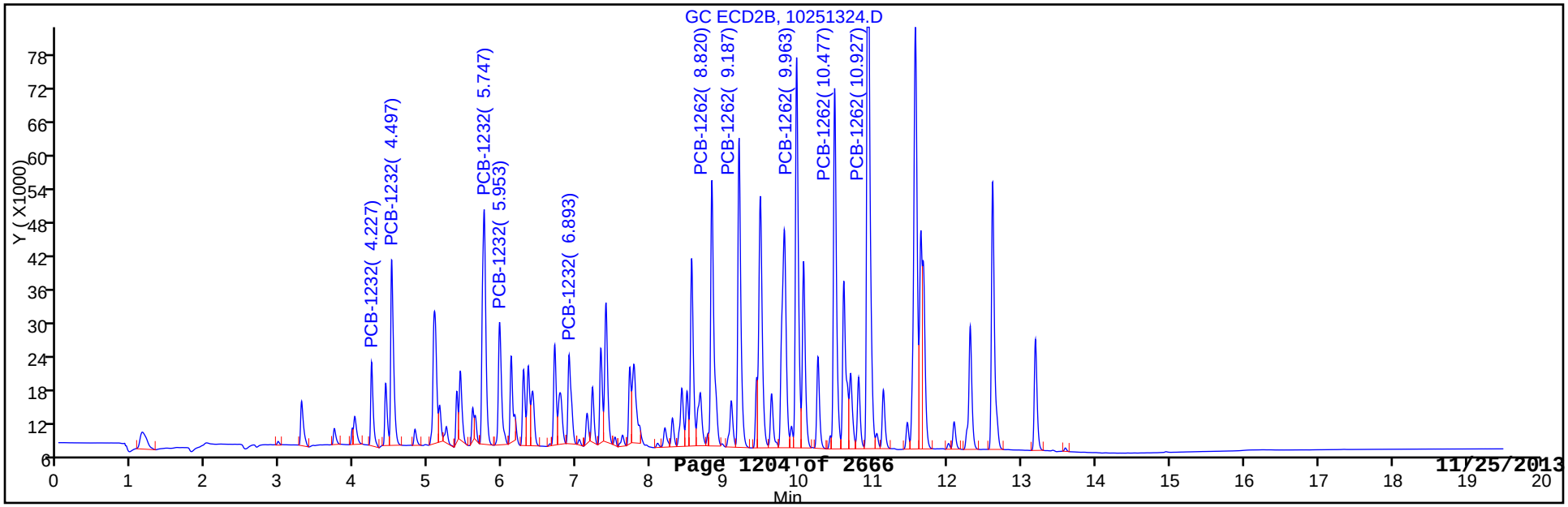
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251324.D

Injection Date:	25-Oct-2013 23:50:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	24
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251325.D
Lims ID: STDL43262 Client ID:
Inject. Date: 26-Oct-2013 00:13:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL43262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 197868 Lims Sample ID: 25
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:11 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	22159	267.4		100.0	
1	2	4.527	4.527	0.000	62514	277.4	237.7- 317.7	282.1	
1	3	5.757	5.760	-0.003	90880	252.0	402.9- 482.9	410.1	
1	4	5.967	5.970	-0.003	38185	239.0	157.3- 237.3	172.3	
1	5	6.630	6.630	0.000	47930	270.1	173.0- 253.0	216.3	
			Average of Peak Amounts =			261.2			
2	6	4.230	4.227	0.003	19822	278.1		100.0	
2	7	4.500	4.497	0.003	51016	278.2	216.5- 296.5	257.4	
2	8	5.747	5.747	0.000	75616	265.2	357.2- 437.2	381.5	
2	9	5.957	5.953	0.004	36003	267.2	148.5- 228.5	181.6	
2	10	6.893	6.893	0.000	28913	281.4	102.6- 182.6	145.9	
			Average of Peak Amounts =			274.0			
						RPD = 4.79			
8 PCB-1262									
1	1	8.693	8.693	0.000	103968	263.5		100.0	
1	2	9.867	9.867	0.000	145667	256.4	106.2- 186.2	140.1	
1	3	10.300	10.300	0.000	133959	263.9	92.0- 172.0	128.8	
1	4	10.850	10.850	0.000	285487	263.5	243.0- 323.0	274.6	
1	5	11.420	11.420	0.000	114768	266.9	69.9- 149.9	110.4	
			Average of Peak Amounts =			262.8			
2	6	8.820	8.820	0.000	82892	269.2		100.0	
2	7	9.187	9.187	0.000	85642	268.3	64.4- 144.4	103.3	
2	8	9.967	9.963	0.004	107728	271.9	90.4- 170.4	130.0	
2	9	10.480	10.477	0.003	100307	267.8	83.7- 163.7	121.0	
2	10	10.927	10.927	0.000	179214	264.9	182.5- 262.5	216.2	
			Average of Peak Amounts =			268.4			
						RPD = 2.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.0			
2						542.4			
						RPD = 3.45			

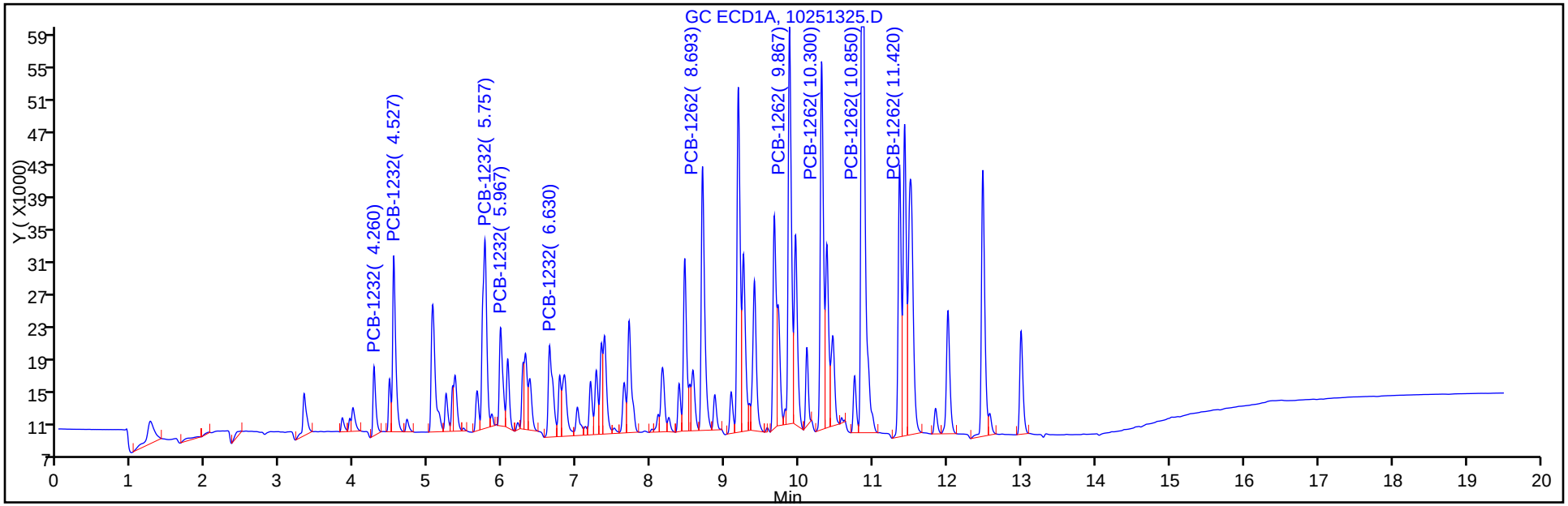
Report Date: 29-Oct-2013 12:13:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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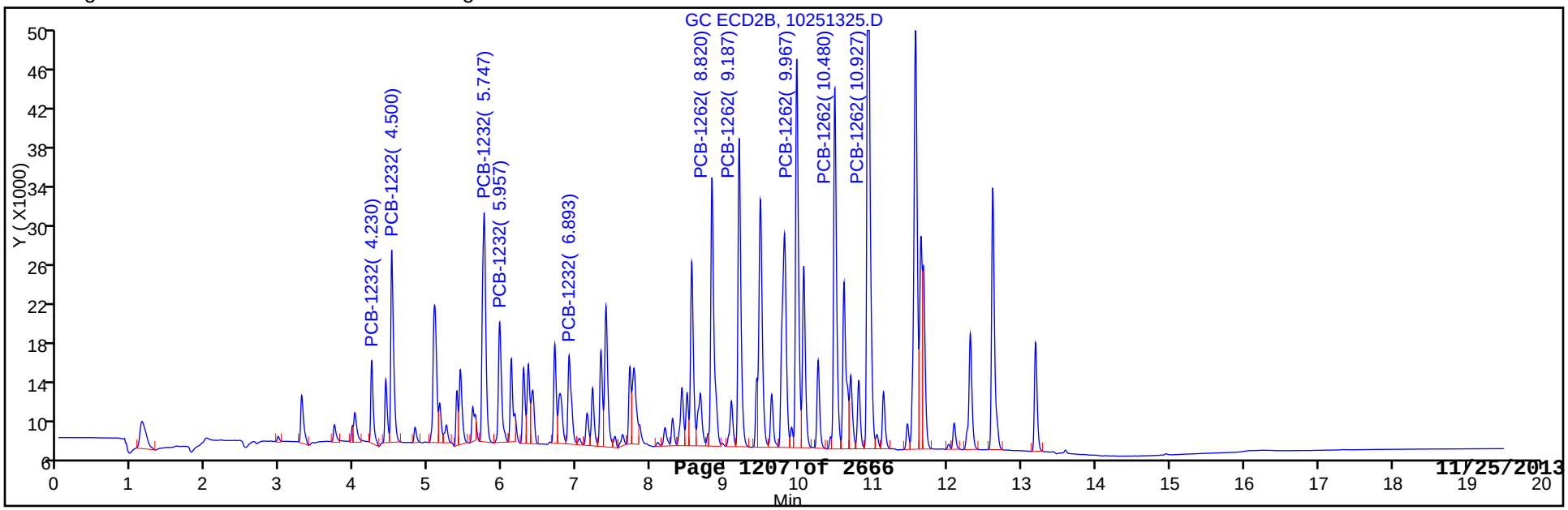
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251325.D

Injection Date:	26-Oct-2013 00:13:09	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	25
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251326.D
Lims ID: STDL33262 Client ID:
Inject. Date: 26-Oct-2013 00:36:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL33262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 197868 Lims Sample ID: 26
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:11 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	9937	106.9		100.0	
1	2	4.527	4.527	0.000	29004	117.2	237.7- 317.7	291.9	
1	3	5.757	5.760	-0.003	41407	109.3	402.9- 482.9	416.7	
1	4	5.970	5.970	0.000	18980	114.2	157.3- 237.3	191.0	
1	5	6.630	6.630	0.000	21030	99.9	173.0- 253.0	211.6	
			Average of Peak Amounts =			109.5			
2	6	4.230	4.227	0.003	9177	116.0		100.0	
2	7	4.500	4.497	0.003	23997	115.9	216.5- 296.5	261.5	
2	8	5.747	5.747	0.000	33927	110.3	357.2- 437.2	369.7	
2	9	5.957	5.953	0.004	16264	112.9	148.5- 228.5	177.2	
2	10	6.893	6.893	0.000	12335	112.8	102.6- 182.6	134.4	
			Average of Peak Amounts =			113.6			
						RPD = 3.66			
8 PCB-1262									
1	1	8.697	8.693	0.004	48548	114.1		100.0	
1	2	9.870	9.867	0.003	69568	112.3	106.2- 186.2	143.3	
1	3	10.303	10.300	0.003	61602	110.5	92.0- 172.0	126.9	
1	4	10.853	10.850	0.003	128683	112.6	243.0- 323.0	265.1	
1	5	11.423	11.420	0.003	52318	111.3	69.9- 149.9	107.8	
			Average of Peak Amounts =			112.2			
2	6	8.823	8.820	0.003	38677	114.2		100.0	
2	7	9.190	9.187	0.003	40361	113.5	64.4- 144.4	104.4	
2	8	9.967	9.963	0.004	50532	115.8	90.4- 170.4	130.7	
2	9	10.480	10.477	0.003	46543	114.7	83.7- 163.7	120.3	
2	10	10.930	10.927	0.003	81727	112.0	182.5- 262.5	211.3	
			Average of Peak Amounts =			114.0			
						RPD = 1.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						221.7			
2						227.6			
						RPD = 2.65			

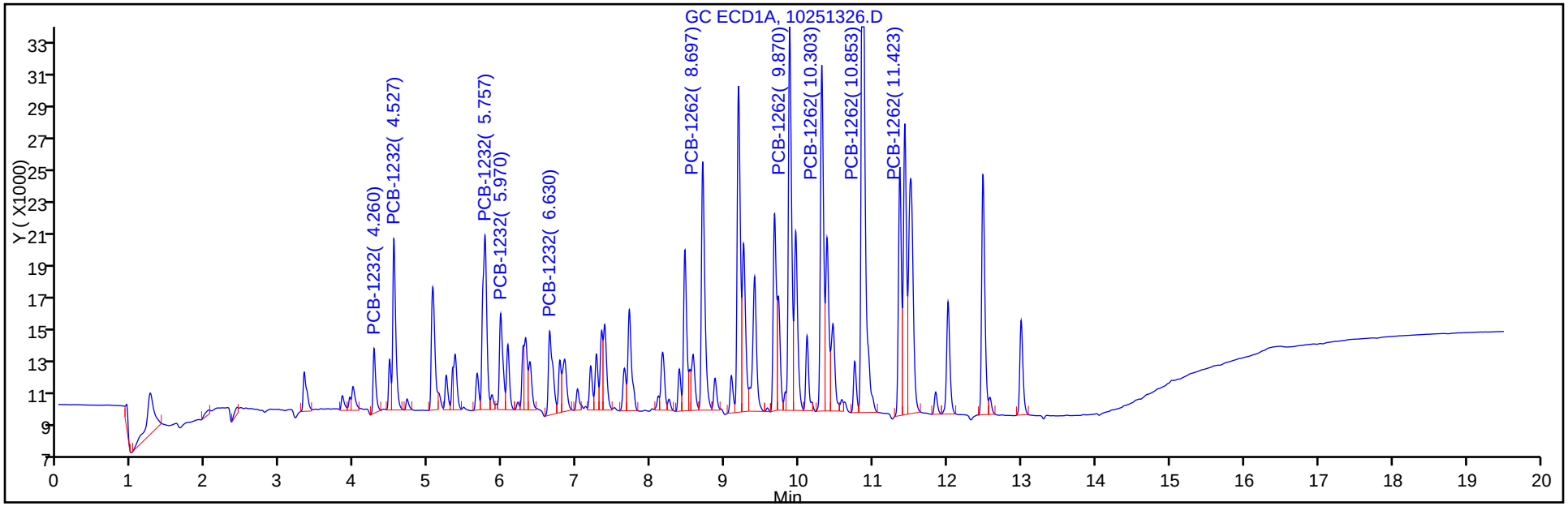
Report Date: 29-Oct-2013 12:13:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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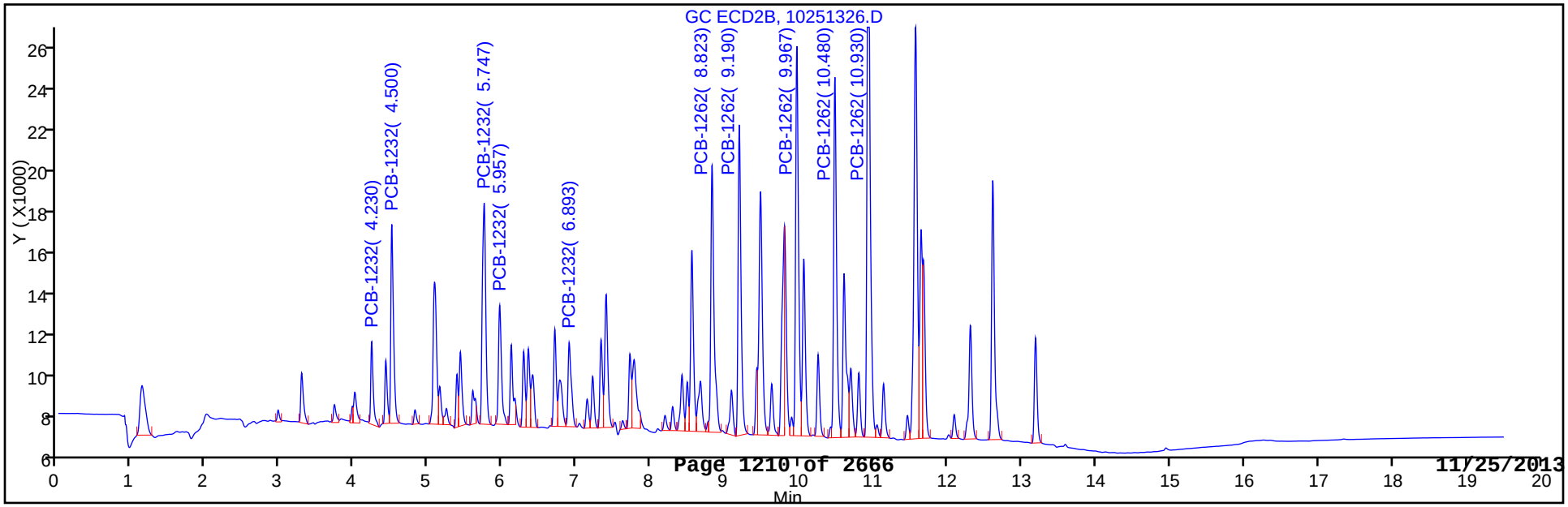
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251326.D

Injection Date:	26-Oct-2013 00:36:22	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	26
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251327.D
Lims ID: STDL23262 Client ID:
Inject. Date: 26-Oct-2013 00:59:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL23262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 197868 Lims Sample ID: 27
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:10 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	5740	51.7		100.0	
1	2	4.527	4.527	0.000	15247	51.4	237.7- 317.7	265.6	
1	3	5.757	5.760	-0.003	21227	51.2	402.9- 482.9	369.8	
1	4	5.967	5.970	-0.003	9175	50.5	157.3- 237.3	159.8	
1	5	6.630	6.630	0.000	12238	44.3	173.0- 253.0	213.2	
			Average of Peak Amounts =			49.8			
2	6	4.227	4.227	0.000	4819	49.7		100.0	
2	7	4.500	4.497	0.003	13379	52.1	216.5- 296.5	277.6	
2	8	5.747	5.747	0.000	18377	52.5	357.2- 437.2	381.3	
2	9	5.953	5.953	0.000	8675	53.6	148.5- 228.5	180.0	
2	10	6.893	6.893	0.000	6319	51.6	102.6- 182.6	131.1	
			Average of Peak Amounts =			51.9			
						RPD = 4.10			
8 PCB-1262									
1	1	8.697	8.693	0.004	25254	51.3		100.0	
1	2	9.870	9.867	0.003	38201	52.9	106.2- 186.2	151.3	
1	3	10.303	10.300	0.003	33589	51.1	92.0- 172.0	133.0	
1	4	10.853	10.850	0.003	62744	49.2	243.0- 323.0	248.5	
1	5	11.423	11.420	0.003	27398	49.3	69.9- 149.9	108.5	
			Average of Peak Amounts =			50.7			
2	6	8.823	8.820	0.003	21104	52.6		100.0	
2	7	9.190	9.187	0.003	22791	53.4	64.4- 144.4	108.0	
2	8	9.967	9.963	0.004	26674	50.7	90.4- 170.4	126.4	
2	9	10.480	10.477	0.003	23690	49.6	83.7- 163.7	112.3	
2	10	10.930	10.927	0.003	42645	50.7	182.5- 262.5	202.1	
			Average of Peak Amounts =			51.4			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						100.6			
2						103.3			
						RPD = 2.70			

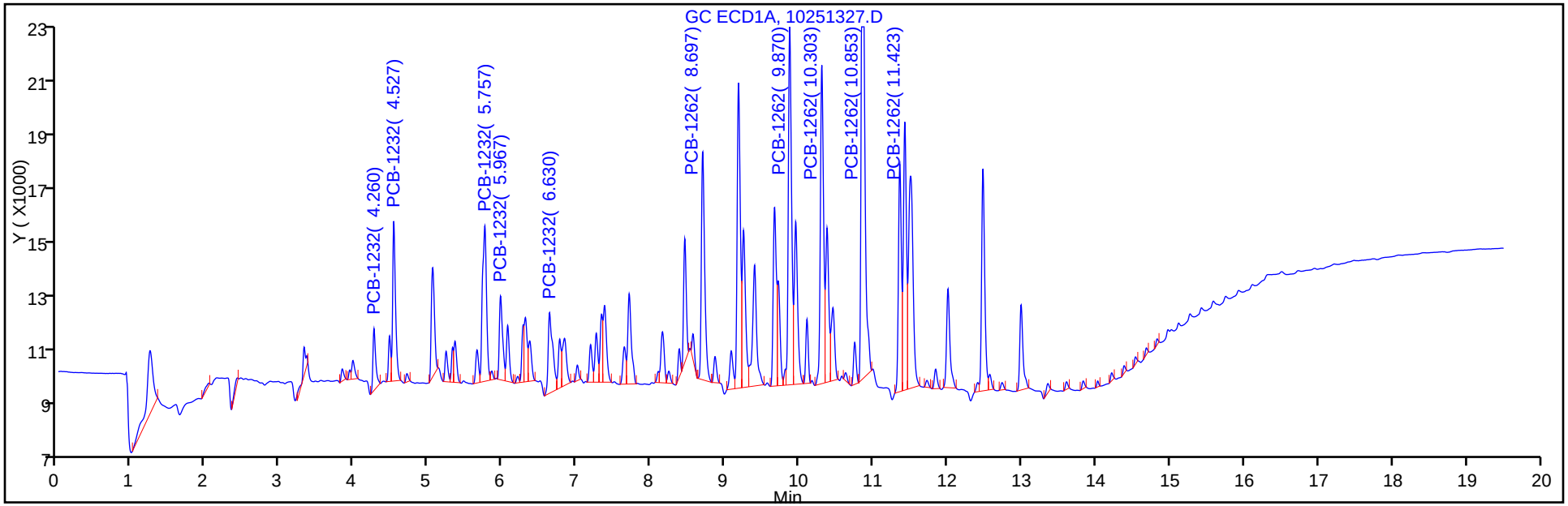
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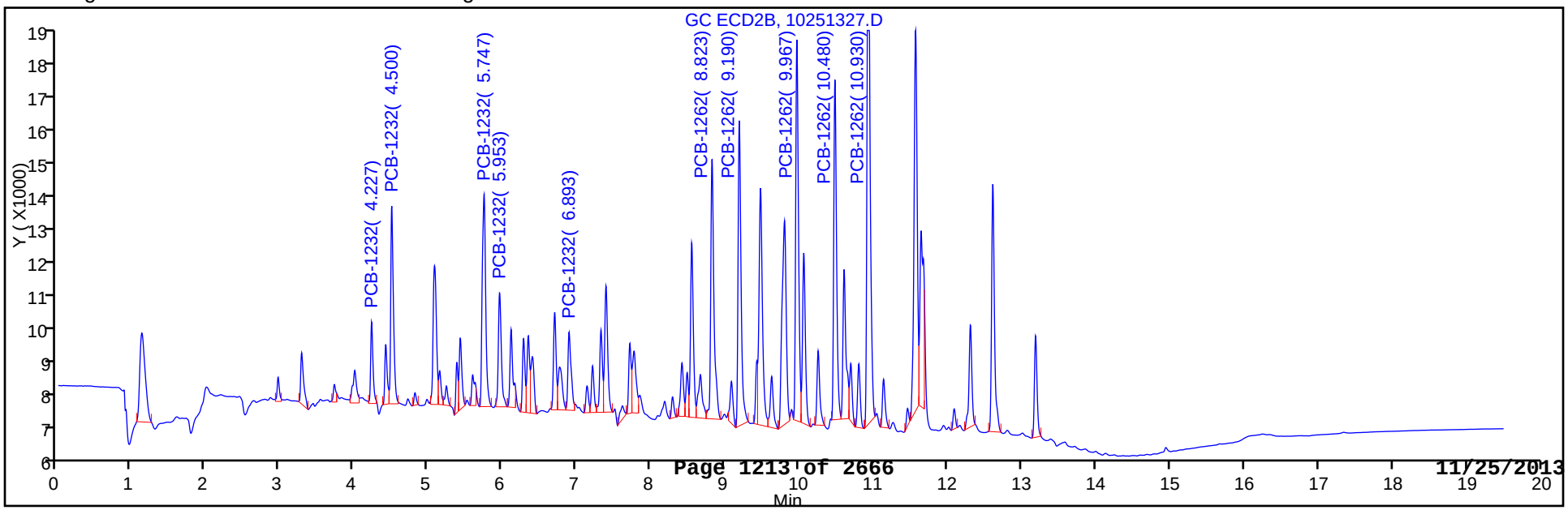
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Injection Date:	26-Oct-2013 00:59:24	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	27
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D		
Lims ID:	STDL13262	Client ID:	
Inject. Date:	26-Oct-2013 01:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL13262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	197868	Lims Sample ID:	28
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:08	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:53:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.263	4.260	0.003	3414	21.2		100.0	
1	2	4.527	4.527	0.000	8265	18.0	237.7- 317.7	242.1	
1	3	5.757	5.760	-0.003	11127	22.1	402.9- 482.9	325.9	
1	4	5.970	5.970	0.000	4817	22.1	157.3- 237.3	141.1	
1	5	6.630	6.630	0.000	9360	26.1	173.0- 253.0	274.2	
			Average of Peak Amounts =			21.9			
2	6	4.227	4.227	0.000	2813	19.2		100.0	
2	7	4.500	4.497	0.003	7678	17.9	216.5- 296.5	272.9	
2	8	5.747	5.747	0.000	9672	20.2	357.2- 437.2	343.8	
2	9	5.957	5.953	0.004	4240	18.9	148.5- 228.5	150.7	
2	10	6.893	6.893	0.000	3130	19.1	102.6- 182.6	111.3	
			Average of Peak Amounts =			19.0			
						RPD = 13.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									M
1	1	8.697	8.693	0.004	13806	20.4		100.0	M
1	2	9.870	9.867	0.003	20976	20.3	106.2- 186.2	151.9	
1	3	10.303	10.300	0.003	19376	20.9	92.0- 172.0	140.3	
1	4	10.857	10.850	0.007	34033	21.6	243.0- 323.0	246.5	
1	5	11.423	11.420	0.003	16269	21.6	69.9- 149.9	117.8	
			Average of Peak Amounts =			21.0			
2	6	8.823	8.820	0.003	11582	19.2		100.0	
2	7	9.190	9.187	0.003	12694	18.9	64.4- 144.4	109.6	
2	8	9.967	9.963	0.004	15164	19.3	90.4- 170.4	130.9	
2	9	10.480	10.477	0.003	13447	20.5	83.7- 163.7	116.1	
2	10	10.930	10.927	0.003	23572	20.8	182.5- 262.5	203.5	
			Average of Peak Amounts =			19.7			
						RPD = 6.01			
S 15 Polychlorinated biphenyls, Total									
1						42.9			
2						38.8			
						RPD = 9.96			

QC Flag Legend

Review Flags
M - Manually Integrated

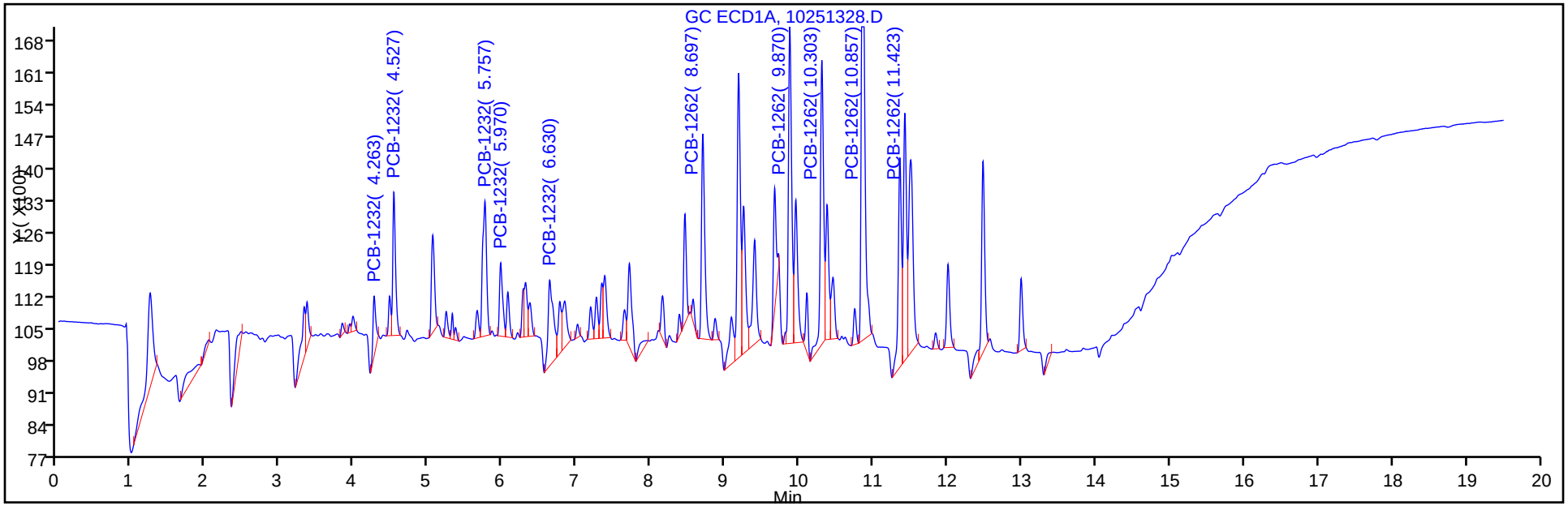
Report Date: 29-Oct-2013 12:13:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

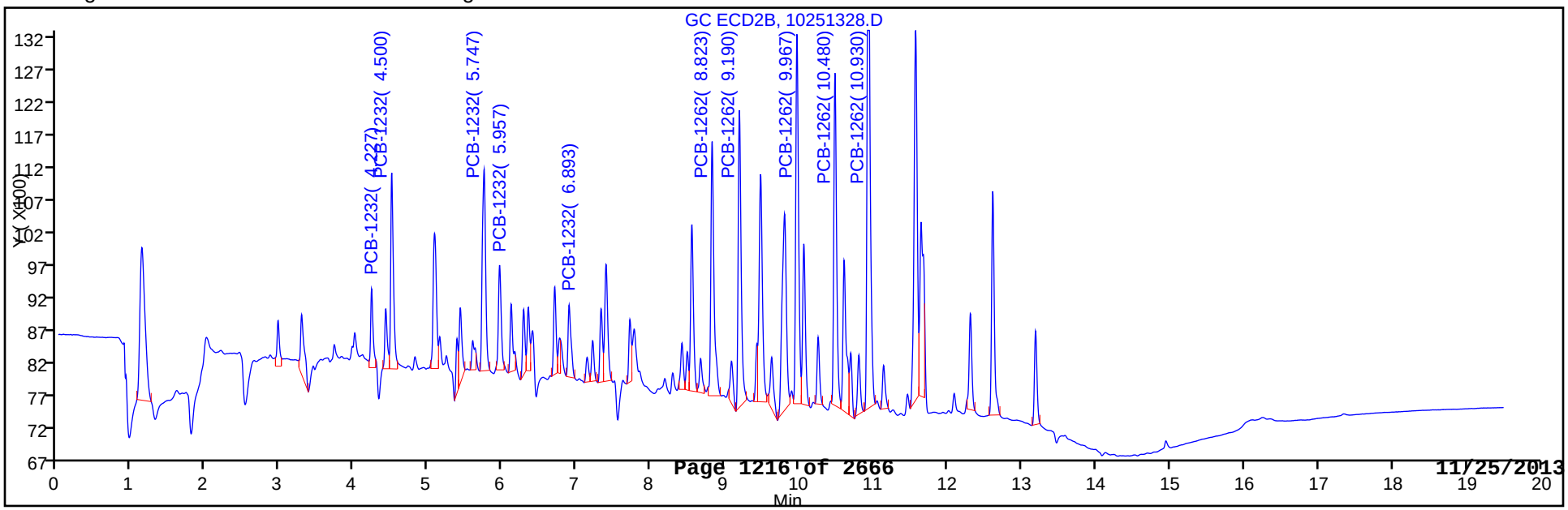
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D

Injection Date:	26-Oct-2013 01:22:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	28
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1242 Peak 1	4.530	4.530	4.530	4.527	4.527	4.527	4.527				4.487 - 4.567	4.528
PCB-1242 Peak 2	5.057	5.057	5.053	5.050	5.050	5.050	5.050				5.010 - 5.090	5.052
PCB-1242 Peak 3	5.760	5.760	5.760	5.757	5.757	5.757	5.753				5.717 - 5.797	5.758
PCB-1242 Peak 4	5.973	5.973	5.970	5.967	5.967	5.967	5.967				5.927 - 6.007	5.969
PCB-1242 Peak 5	6.633	6.633	6.630	6.627	6.627	6.627	6.627				6.587 - 6.667	6.629
PCB-1268 Peak 1	11.427	11.423	11.423	11.420	11.417	11.413	11.413				11.377 - 11.457	11.419
PCB-1268 Peak 2	11.493	11.493	11.490	11.487	11.487	11.483	11.480				11.447 - 11.527	11.488
PCB-1268 Peak 3	11.840	11.840	11.837	11.833	11.833	11.830	11.830				11.793 - 11.873	11.835
PCB-1268 Peak 4	11.990	11.990	11.987	11.987	11.983	11.983	11.983				11.943 - 12.023	11.986
PCB-1268 Peak 5	12.993	12.990	12.990	12.987	12.983	12.983	12.983				12.943 - 13.023	12.987

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1242 Peak 1	223.16 171.97	212.06 154.48	197.06 145.67	176.06	Lin1	2699.10470	152.719352							0.9940		0.9900
PCB-1242 Peak 2	492.32 346.70	459.68 310.06	413.90 290.58	359.75	Lin1	6905.20005	304.584523							0.9930		0.9900
PCB-1242 Peak 3	744.48 625.18	706.84 571.74	659.06 543.73	620.50	Lin1	6481.63914	566.258514							0.9960		0.9900
PCB-1242 Peak 4	324.24 279.03	300.20 254.11	274.42 241.01	279.68	Lin1	2381.55162	252.304351							0.9960		0.9900
PCB-1242 Peak 5	456.20 312.87	444.86 286.68	376.26 271.20	314.65	Lin1	6476.16922	279.345725							0.9950		0.9900
PCB-1268 Peak 1	1492.7 1032.1	1375.0 940.31	1261.8 908.31	1036.8	Lin1	19798.7450	928.013378							0.9960		0.9900
PCB-1268 Peak 2	1551.2 1242.3	1541.4 1149.2	1399.5 1097.5	1256.9	Lin1	16554.2463	1134.44272							0.9960		0.9900
PCB-1268 Peak 3	1251.7 959.79	1181.9 884.85	1083.0 850.36	960.59	Lin1	13432.6937	874.280428							0.9970		0.9900
PCB-1268 Peak 4	358.40 309.62	355.68 288.46	336.17 279.39	302.59	Lin1	2866.46307	286.539723							0.9980		0.9900
PCB-1268 Peak 5	3366.0 2492.1	3177.1 2294.4	2888.6 2217.0	2508.9	Lin1	39084.2605	2268.91408							0.9970		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Lin1	5579 115861	10603 145666	19706	44016	85987	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 2	Lin1	12308 232548	22984 290581	41390	89938	173351	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 3	Lin1	18612 428805	35342 543730	65906	155126	312592	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 4	Lin1	8106 190585	15010 241010	27442	69919	139513	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 5	Lin1	11405 215013	22243 271200	37626	78662	156434	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 1	Lin1	37318 705235	68751 908306	126176	259197	516044	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 2	Lin1	38779 861871	77071 1097479	139945	314220	621149	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 3	Lin1	31292 663641	59095 850358	108302	240148	479893	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 4	Lin1	8960 216347	17784 279393	33617	75648	154810	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 5	Lin1	84149 1720824	158853 2216973	288855	627231	1246050	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D
Lims ID: STDL74268 Client ID:
Inject. Date: 26-Oct-2013 01:45:33 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL74268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 197868 Lims Sample ID: 29
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	145666	936.1		100.0	
1	2	5.050	5.050	0.000	290581	931.4	161.6- 241.6	199.5	
1	3	5.753	5.757	-0.004	543730	948.8	323.5- 403.5	373.3	
1	4	5.967	5.967	0.000	241010	945.8	122.2- 202.2	165.5	
1	5	6.627	6.627	0.000	271200	947.7	141.9- 221.9	186.2	
			Average of Peak Amounts =			941.9			
2	6	4.497	4.500	-0.003	115911	931.2		100.0	
2	7	5.743	5.747	-0.004	414599	939.8	312.9- 392.9	357.7	
2	8	5.953	5.953	0.000	195187	931.2	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	144602	945.0	81.4- 161.4	124.8	
2	10	6.890	6.893	-0.003	180859	950.5	109.6- 189.6	156.0	
			Average of Peak Amounts =			939.6			
						RPD = 0.25			
12 PCB-1268									
1	1	11.413	11.417	-0.004	908306	957.4		100.0	
1	2	11.480	11.487	-0.007	1097479	952.8	80.4- 160.4	120.8	
1	3	11.830	11.833	-0.003	850358	957.3	53.0- 133.0	93.6	
1	4	11.983	11.983	0.000	279393	965.1	0.0- 70.0	30.8	
1	5	12.983	12.983	0.000	2216973	959.9	201.5- 281.5	244.1	
			Average of Peak Amounts =			958.5			
2	6	11.557	11.557	0.000	658592	947.0		100.0	
2	7	11.637	11.637	0.000	709711	957.7	66.5- 146.5	107.8	
2	8	12.083	12.083	0.000	575405	954.0	46.6- 126.6	87.4	
2	9	12.260	12.260	0.000	191602	958.1	0.0- 68.5	29.1	
2	10	13.180	13.180	0.000	1480478	959.0	181.0- 261.0	224.8	
			Average of Peak Amounts =			955.2			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1900.4			
2						1894.7			
						RPD = 0.30			

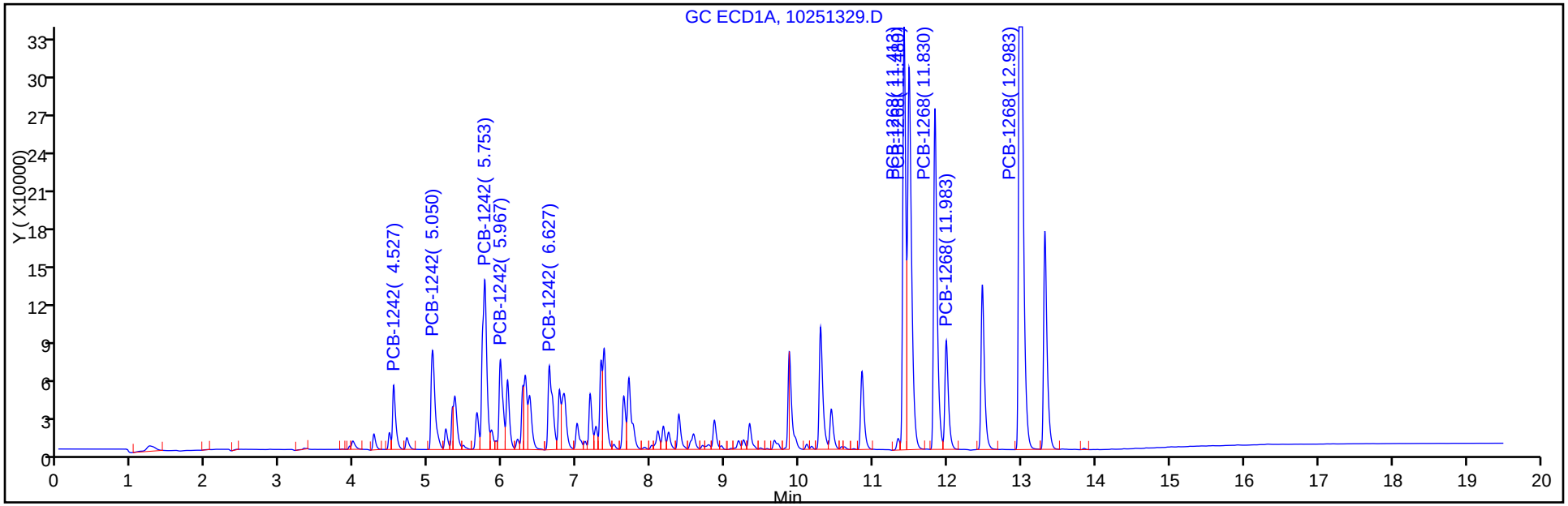
Report Date: 29-Oct-2013 12:13:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

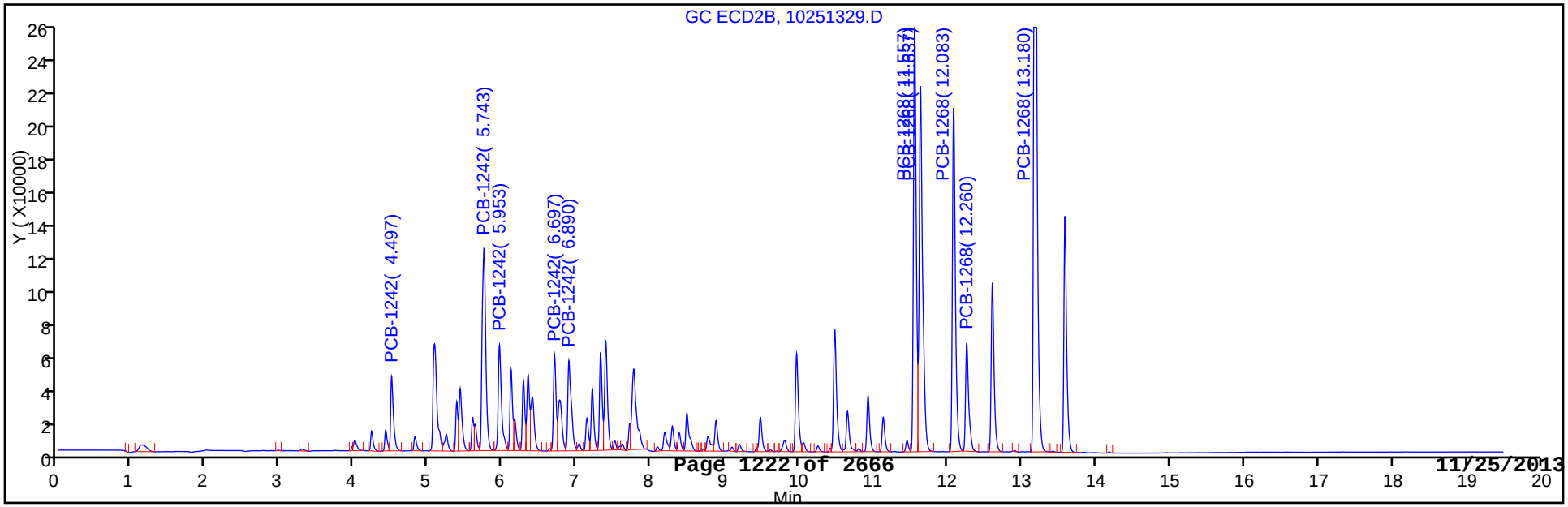
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D

Injection Date:	26-Oct-2013 01:45:33	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	29
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251330.D
Lims ID: STDL64268 Client ID:
Inject. Date: 26-Oct-2013 02:08:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL64268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 197868 Lims Sample ID: 30
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	115861	741.0		100.0	
1	2	5.050	5.050	0.000	232548	740.8	161.6- 241.6	200.7	
1	3	5.757	5.757	0.000	428805	745.8	323.5- 403.5	370.1	
1	4	5.967	5.967	0.000	190585	745.9	122.2- 202.2	164.5	
1	5	6.627	6.627	0.000	215013	746.5	141.9- 221.9	185.6	
			Average of Peak Amounts =			744.0			
2	6	4.497	4.500	-0.003	92496	738.1		100.0	
2	7	5.747	5.747	0.000	328283	740.4	312.9- 392.9	354.9	
2	8	5.953	5.953	0.000	155788	738.6	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	114671	744.7	81.4- 161.4	124.0	
2	10	6.890	6.893	-0.003	142340	745.3	109.6- 189.6	153.9	
			Average of Peak Amounts =			741.4			
						RPD = 0.35			
12 PCB-1268									
1	1	11.413	11.417	-0.004	705235	738.6		100.0	
1	2	11.483	11.487	-0.004	861871	745.1	80.4- 160.4	122.2	
1	3	11.830	11.833	-0.003	663641	743.7	53.0- 133.0	94.1	
1	4	11.983	11.983	0.000	216347	745.0	0.0- 70.0	30.7	
1	5	12.983	12.983	0.000	1720824	741.2	201.5- 281.5	244.0	
			Average of Peak Amounts =			742.7			
2	6	11.557	11.557	0.000	522986	747.5		100.0	
2	7	11.637	11.637	0.000	548300	736.0	66.5- 146.5	104.8	
2	8	12.083	12.083	0.000	449740	741.4	46.6- 126.6	86.0	
2	9	12.260	12.260	0.000	148894	740.9	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	1149344	739.9	181.0- 261.0	219.8	
			Average of Peak Amounts =			741.1			
						RPD = 0.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1486.8			
2						1482.6			
						RPD = 0.28			

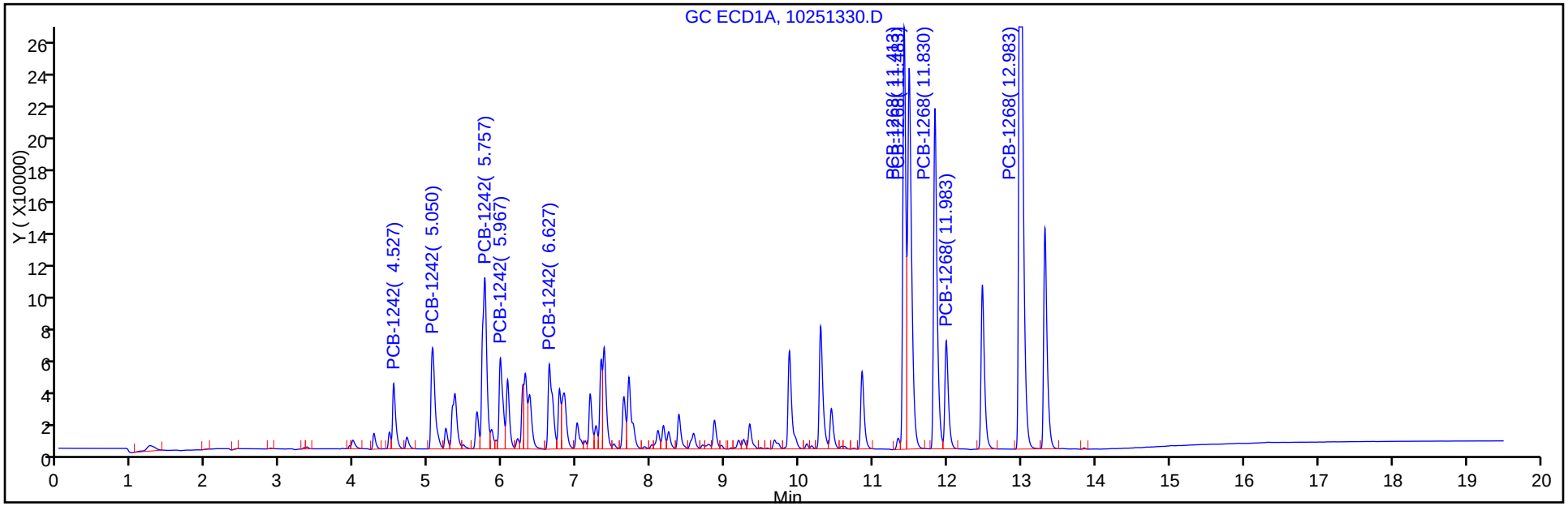
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TestAmerica Denver

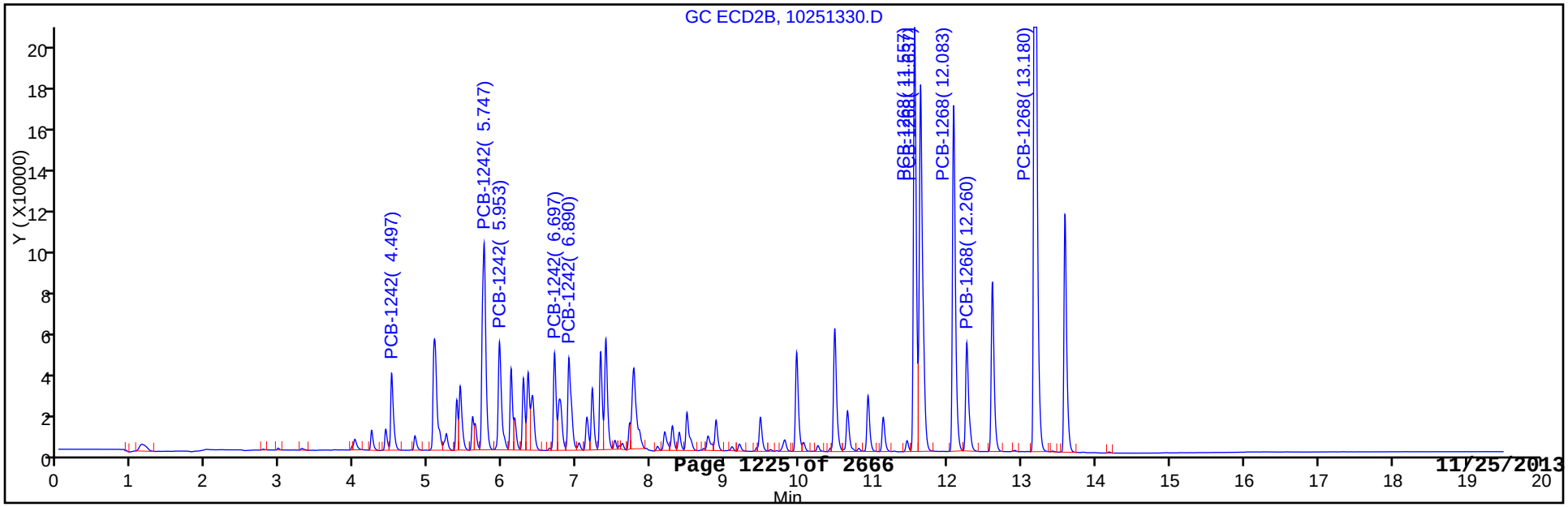
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Injection Date:	26-Oct-2013 02:08:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	30
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251331.D		
Lims ID:	STDL54268	Client ID:	
Inject. Date:	26-Oct-2013 02:31:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL54268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	197868	Lims Sample ID:	31
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:05	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:20:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	85987	545.4		100.0	
1	2	5.050	5.050	0.000	173351	546.5	161.6- 241.6	201.6	
1	3	5.757	5.757	0.000	312592	540.6	323.5- 403.5	363.5	
1	4	5.967	5.967	0.000	139513	543.5	122.2- 202.2	162.2	
1	5	6.627	6.627	0.000	156434	536.8	141.9- 221.9	181.9	
			Average of Peak Amounts =			542.6			
2	6	4.500	4.500	0.000	68853	543.1		100.0	
2	7	5.747	5.747	0.000	242972	543.3	312.9- 392.9	352.9	
2	8	5.953	5.953	0.000	116878	548.4	129.8- 209.8	169.8	
2	9	6.697	6.697	0.000	83573	536.6	81.4- 161.4	121.4	
2	10	6.893	6.893	0.000	102985	535.7	109.6- 189.6	149.6	
			Average of Peak Amounts =			541.4			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.417	11.417	0.000	516044	534.7		100.0	
1	2	11.487	11.487	0.000	621149	532.9	80.4- 160.4	120.4	
1	3	11.833	11.833	0.000	479893	533.5	53.0- 133.0	93.0	
1	4	11.983	11.983	0.000	154810	530.3	0.0- 70.0	30.0	
1	5	12.983	12.983	0.000	1246050	532.0	201.5- 281.5	241.5	
			Average of Peak Amounts =			532.7			
2	6	11.557	11.557	0.000	377858	534.0		100.0	
2	7	11.637	11.637	0.000	402597	535.9	66.5- 146.5	106.5	
2	8	12.083	12.083	0.000	327368	534.3	46.6- 126.6	86.6	
2	9	12.260	12.260	0.000	107770	531.8	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	834907	531.8	181.0- 261.0	221.0	
			Average of Peak Amounts =			533.6			
						RPD = 0.16			
S 15 Polychlorinated biphenyls, Total									
1						1075.2			
2						1075.0			
						RPD = 0.02			

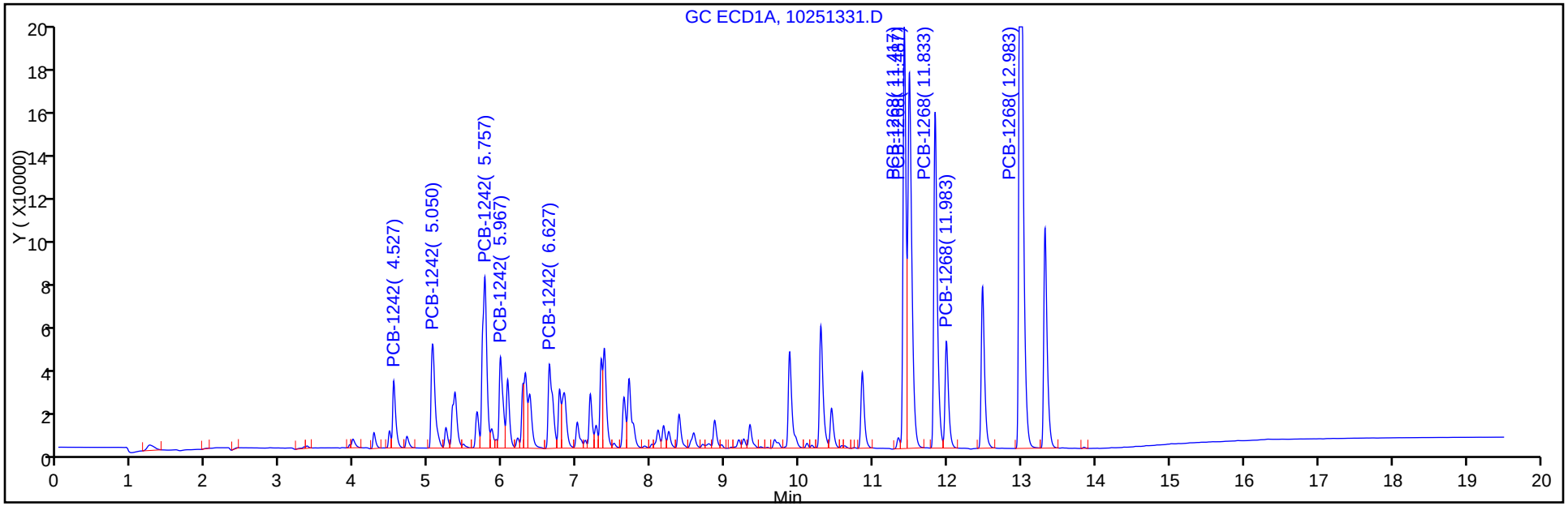
Report Date: 29-Oct-2013 12:13:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

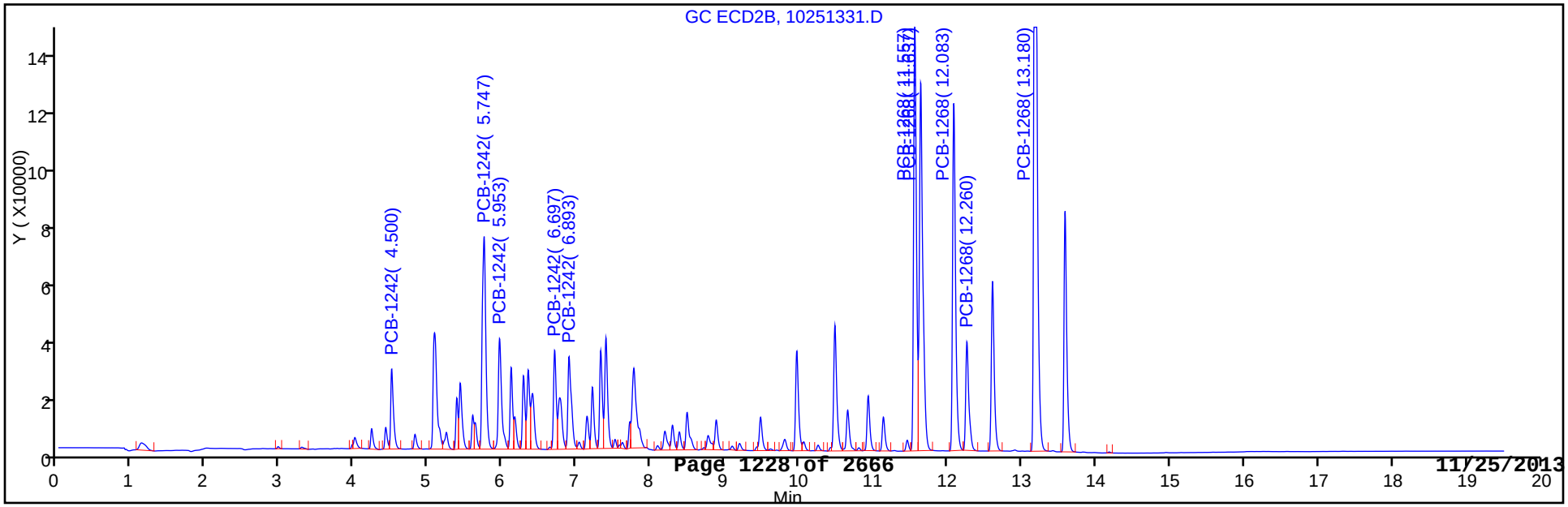
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251331.D

Injection Date:	26-Oct-2013 02:31:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	31
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251332.D
Lims ID: STDL44268 Client ID:
Inject. Date: 26-Oct-2013 02:54:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL44268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 197868 Lims Sample ID: 32
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:04 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	44016	270.5		100.0	
1	2	5.050	5.050	0.000	89938	272.6	161.6- 241.6	204.3	
1	3	5.757	5.757	0.000	155126	262.5	323.5- 403.5	352.4	
1	4	5.967	5.967	0.000	69919	267.7	122.2- 202.2	158.8	
1	5	6.627	6.627	0.000	78662	258.4	141.9- 221.9	178.7	
			Average of Peak Amounts =			266.3			
2	6	4.497	4.500	-0.003	36474	276.0		100.0	
2	7	5.747	5.747	0.000	124096	268.7	312.9- 392.9	340.2	
2	8	5.953	5.953	0.000	60630	273.4	129.8- 209.8	166.2	
2	9	6.697	6.697	0.000	43333	267.3	81.4- 161.4	118.8	
2	10	6.893	6.893	0.000	51723	262.7	109.6- 189.6	141.8	
			Average of Peak Amounts =			269.6			
						RPD = 1.22			
12 PCB-1268									
1	1	11.420	11.417	0.003	259197	258.0		100.0	
1	2	11.487	11.487	0.000	314220	262.4	80.4- 160.4	121.2	
1	3	11.833	11.833	0.000	240148	259.3	53.0- 133.0	92.7	
1	4	11.987	11.983	0.004	75648	254.0	0.0- 70.0	29.2	
1	5	12.987	12.983	0.004	627231	259.2	201.5- 281.5	242.0	
			Average of Peak Amounts =			258.6			
2	6	11.560	11.557	0.003	193522	262.7		100.0	
2	7	11.640	11.637	0.003	204703	264.1	66.5- 146.5	105.8	
2	8	12.087	12.083	0.004	166836	262.8	46.6- 126.6	86.2	
2	9	12.263	12.260	0.003	54726	262.1	0.0- 68.5	28.3	
2	10	13.183	13.180	0.003	425677	261.0	181.0- 261.0	220.0	
			Average of Peak Amounts =			262.5			
						RPD = 1.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.9			
2						532.1			
						RPD = 1.36			

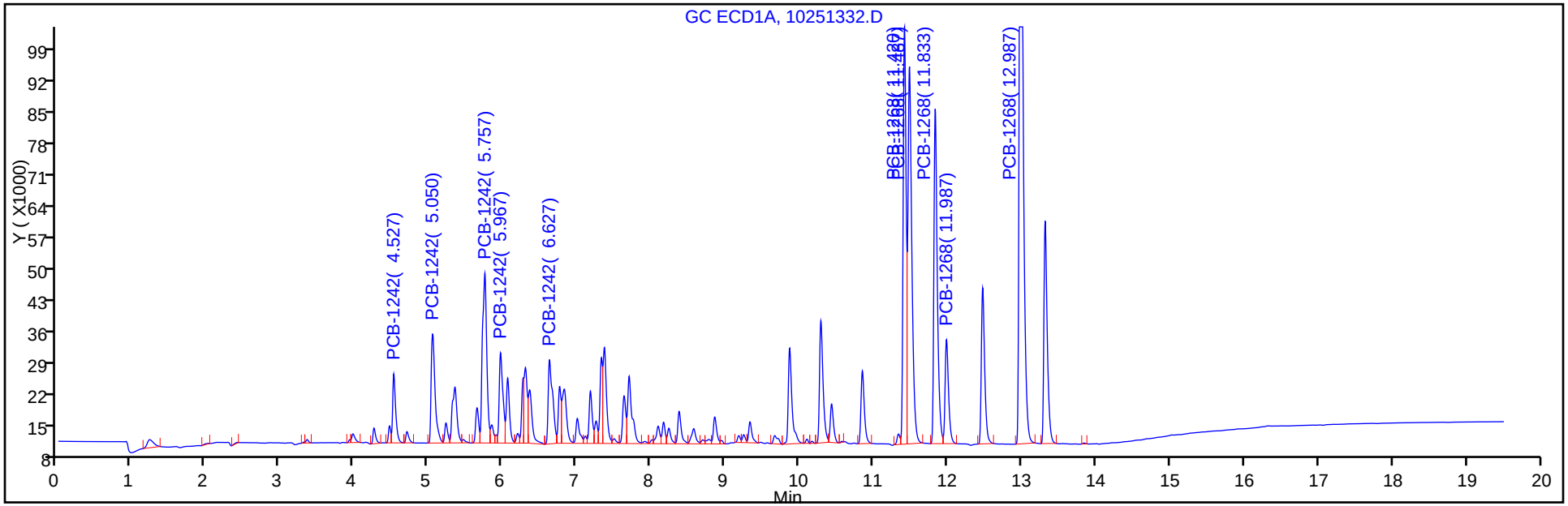
Report Date: 29-Oct-2013 12:13:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

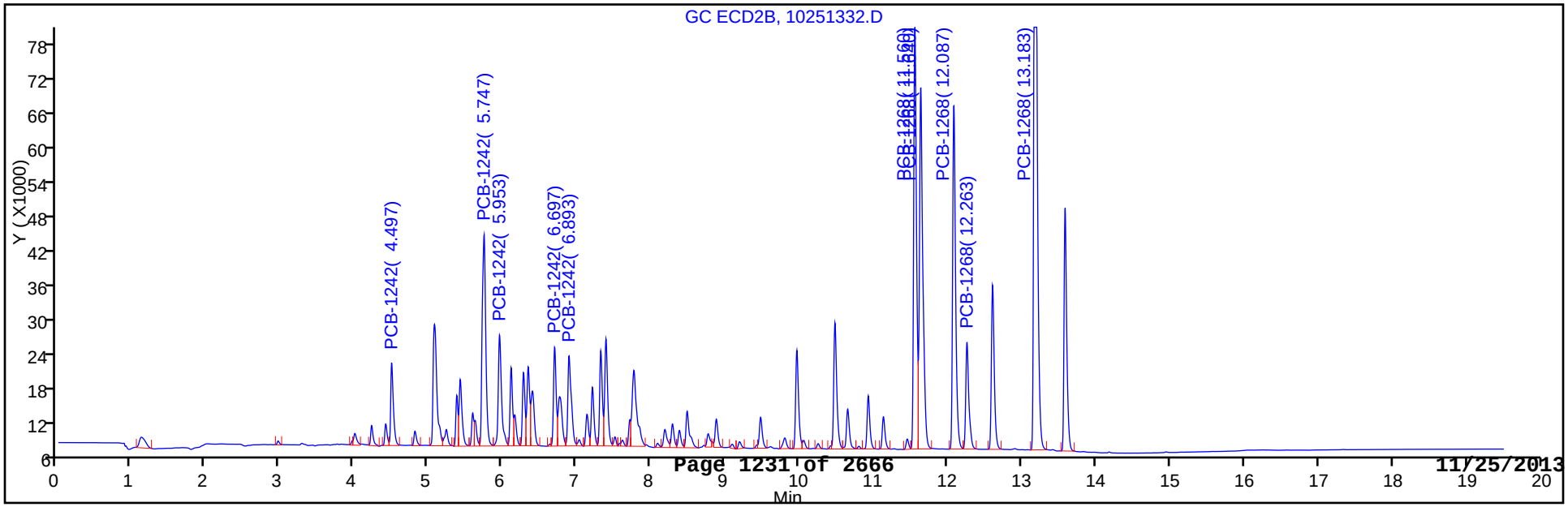
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251332.D

Injection Date:	26-Oct-2013 02:54:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	32
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251333.D		
Lims ID:	STDL34268	Client ID:	
Inject. Date:	26-Oct-2013 03:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL34268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	197868	Lims Sample ID:	33
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:03	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:38:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	19706	111.4		100.0	
1	2	5.053	5.050	0.003	41390	113.2	161.6- 241.6	210.0	
1	3	5.760	5.757	0.003	65906	104.9	323.5- 403.5	334.4	
1	4	5.970	5.967	0.003	27442	99.3	122.2- 202.2	139.3	
1	5	6.630	6.627	0.003	37626	111.5	141.9- 221.9	190.9	
			Average of Peak Amounts =			108.1			
2	6	4.500	4.500	0.000	17147	116.5		100.0	
2	7	5.747	5.747	0.000	56066	111.5	312.9- 392.9	327.0	
2	8	5.957	5.953	0.004	27591	111.9	129.8- 209.8	160.9	
2	9	6.700	6.697	0.003	19730	109.4	81.4- 161.4	115.1	
2	10	6.893	6.893	0.000	22691	108.0	109.6- 189.6	132.3	
			Average of Peak Amounts =			111.5			
						RPD = 3.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.423	11.417	0.006	126176	114.6		100.0	
1	2	11.490	11.487	0.003	139945	108.8	80.4- 160.4	110.9	
1	3	11.837	11.833	0.004	108302	108.5	53.0- 133.0	85.8	
1	4	11.987	11.983	0.004	33617	107.3	0.0- 70.0	26.6	
1	5	12.990	12.983	0.007	288855	110.1	201.5- 281.5	228.9	
			Average of Peak Amounts =			109.9			
2	6	11.560	11.557	0.003	90741	111.5		100.0	
2	7	11.640	11.637	0.003	92123	109.4	66.5- 146.5	101.5	
2	8	12.087	12.083	0.004	76752	110.4	46.6- 126.6	84.6	
2	9	12.263	12.260	0.003	24659	109.2	0.0- 68.5	27.2	
2	10	13.183	13.180	0.003	198881	110.9	181.0- 261.0	219.2	
			Average of Peak Amounts =			110.3			
						RPD = 0.38			
S 15 Polychlorinated biphenyls, Total									
1						217.9			
2						221.8			
						RPD = 1.74			

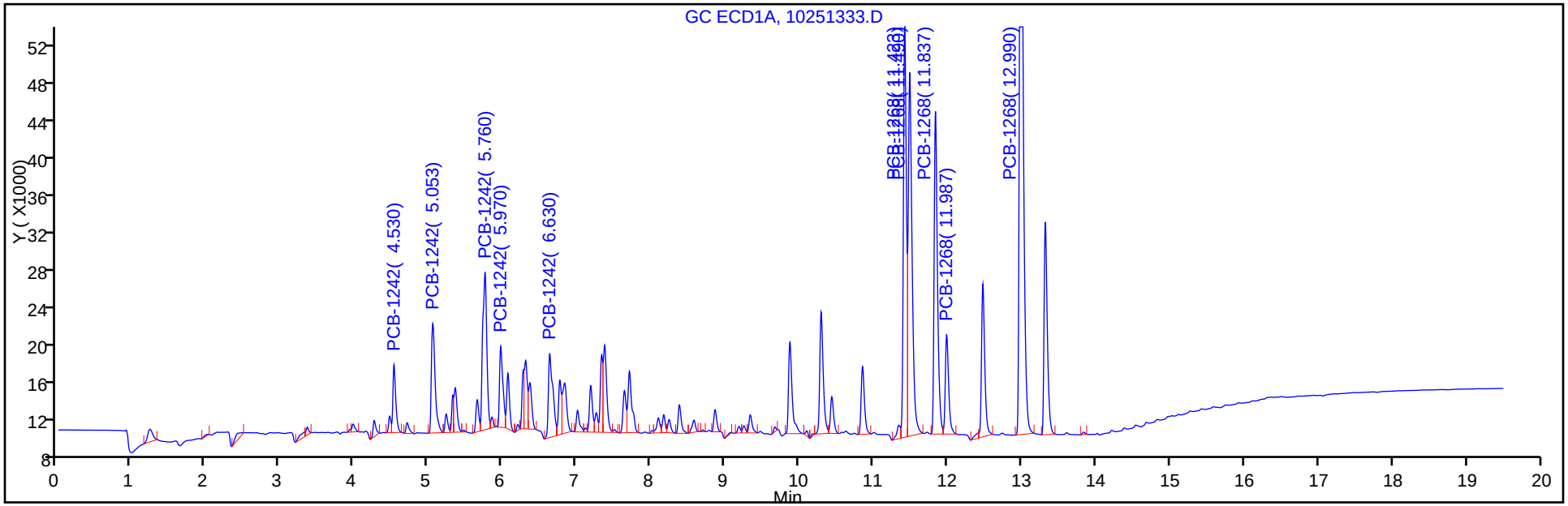
Report Date: 29-Oct-2013 12:13:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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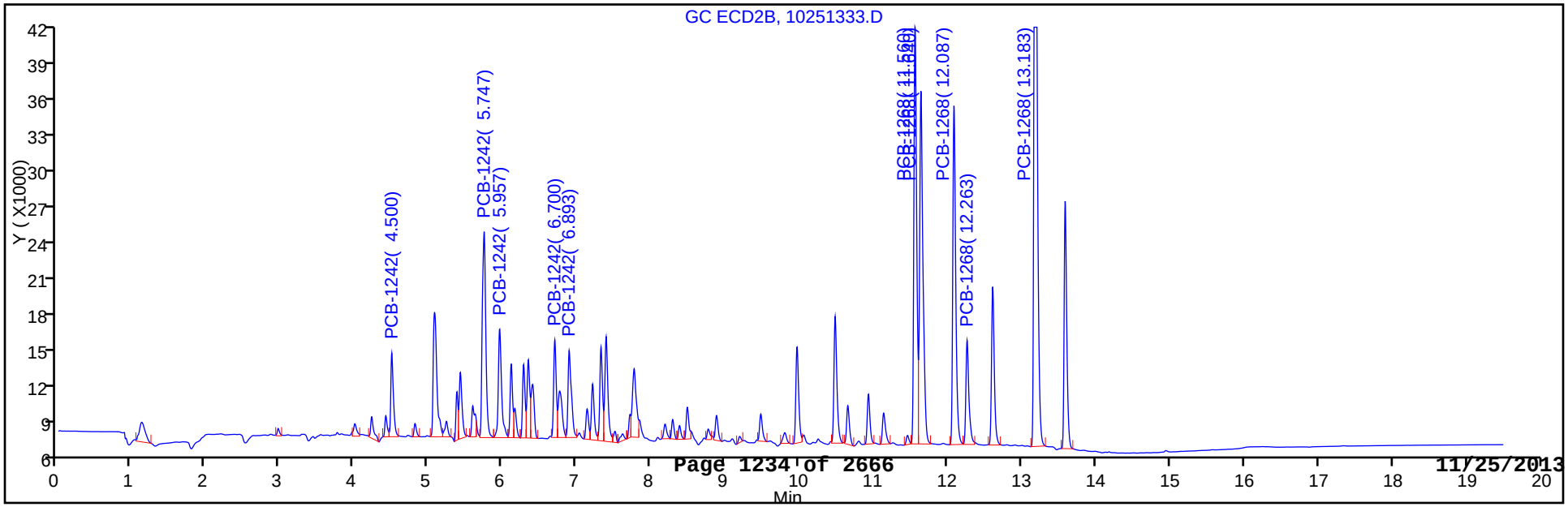
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251333.D

Injection Date:	26-Oct-2013 03:17:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	33
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251334.D
Lims ID: STDL24268 Client ID:
Inject. Date: 26-Oct-2013 03:41:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL24268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 34
Lims Batch ID: 197868 Lims Sample ID: 34
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:02 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	10603	51.8		100.0	
1	2	5.057	5.050	0.007	22984	52.8	161.6- 241.6	216.8	
1	3	5.760	5.757	0.003	35342	51.0	323.5- 403.5	333.3	
1	4	5.973	5.967	0.006	15010	50.1	122.2- 202.2	141.6	
1	5	6.633	6.627	0.006	22243	56.4	141.9- 221.9	209.8	
			Average of Peak Amounts =			52.4			
2	6	4.500	4.500	0.000	9529	53.7		100.0	
2	7	5.747	5.747	0.000	30569	52.6	312.9- 392.9	320.8	
2	8	5.957	5.953	0.004	15769	54.1	129.8- 209.8	165.5	
2	9	6.700	6.697	0.003	11297	52.9	81.4- 161.4	118.6	
2	10	6.897	6.893	0.004	12328	52.8	109.6- 189.6	129.4	
			Average of Peak Amounts =			53.2			
						RPD = 1.59			
12 PCB-1268									
1	1	11.423	11.417	0.006	68751	52.7		100.0	
1	2	11.493	11.487	0.006	77071	53.3	80.4- 160.4	112.1	
1	3	11.840	11.833	0.007	59095	52.2	53.0- 133.0	86.0	
1	4	11.990	11.983	0.007	17784	52.1	0.0- 70.0	25.9	
1	5	12.990	12.983	0.007	158853	52.8	201.5- 281.5	231.1	
			Average of Peak Amounts =			52.6			
2	6	11.563	11.557	0.006	51282	53.5		100.0	
2	7	11.643	11.637	0.006	50177	51.8	66.5- 146.5	97.8	
2	8	12.090	12.083	0.007	42674	52.7	46.6- 126.6	83.2	
2	9	12.267	12.260	0.007	13648	53.2	0.0- 68.5	26.6	
2	10	13.187	13.180	0.007	111331	53.0	181.0- 261.0	217.1	
			Average of Peak Amounts =			52.8			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						105.0			
2						106.1			
						RPD = 0.98			

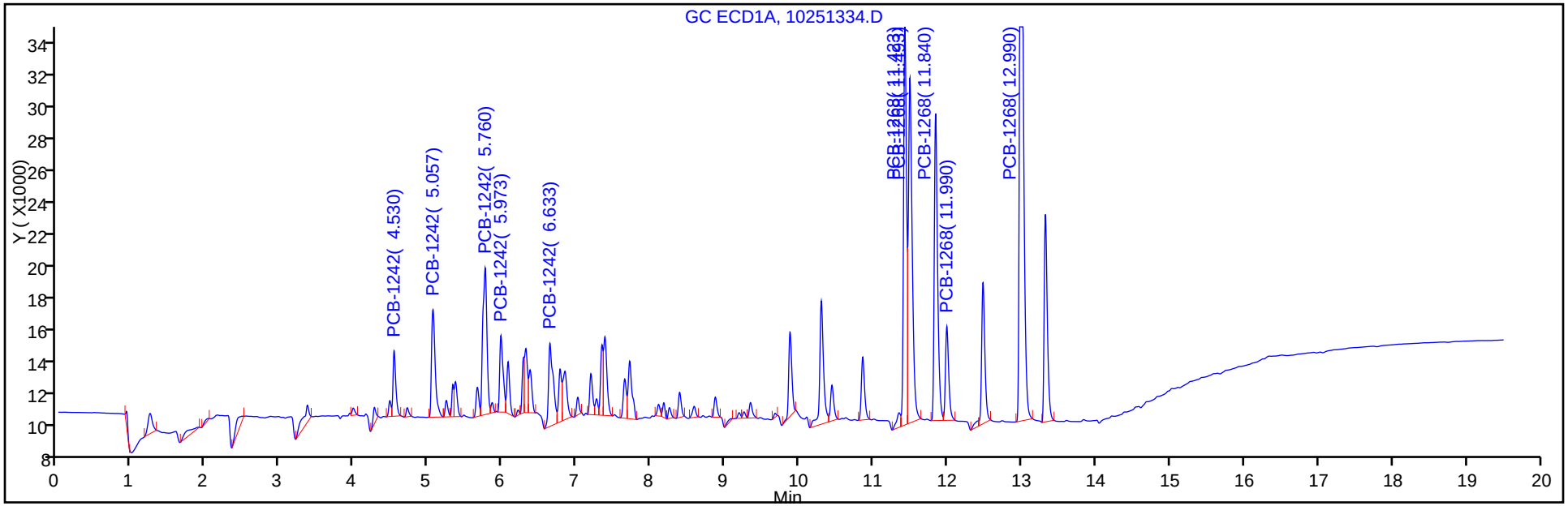
Report Date: 29-Oct-2013 12:13:02 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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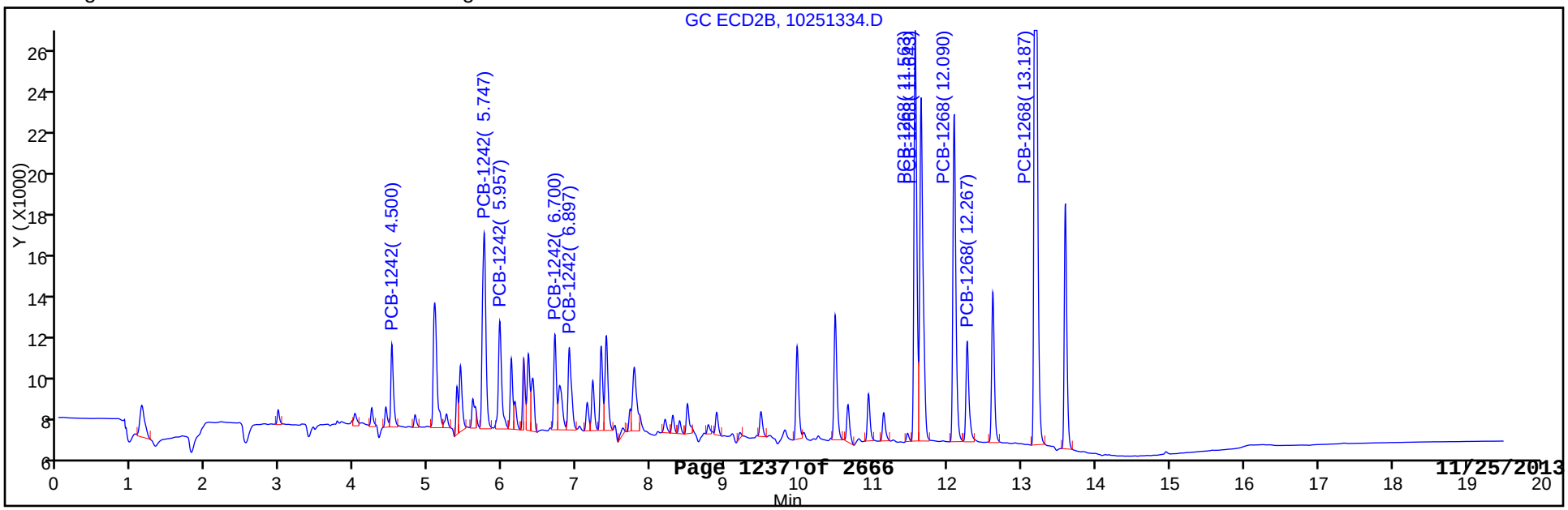
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251334.D

Injection Date:	26-Oct-2013 03:41:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	34
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Lims ID: STDL14268 Client ID:
Inject. Date: 26-Oct-2013 04:04:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STDL14268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 35
Lims Batch ID: 197868 Lims Sample ID: 35
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:00 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	5579	18.9		100.0	
1	2	5.057	5.050	0.007	12308	17.7	161.6- 241.6	220.6	
1	3	5.760	5.757	0.003	18612	21.4	323.5- 403.5	333.6	
1	4	5.973	5.967	0.006	8106	22.7	122.2- 202.2	145.3	
1	5	6.633	6.627	0.006	11405	17.6	141.9- 221.9	204.4	
			Average of Peak Amounts =			19.7			
2	6	4.500	4.500	0.000	5004	16.4		100.0	
2	7	5.747	5.747	0.000	15840	18.6	312.9- 392.9	316.5	
2	8	5.957	5.953	0.004	8227	17.3	129.8- 209.8	164.4	
2	9	6.700	6.697	0.003	6258	19.2	81.4- 161.4	125.1	
2	10	6.897	6.893	0.004	6154	19.9	109.6- 189.6	123.0	
			Average of Peak Amounts =			18.3			
						RPD = 7.35			
12 PCB-1268									
1	1	11.427	11.417	0.010	37318	18.9		100.0	
1	2	11.493	11.487	0.006	38779	19.6	80.4- 160.4	103.9	
1	3	11.840	11.833	0.007	31292	20.4	53.0- 133.0	83.9	
1	4	11.990	11.983	0.007	8960	21.3	0.0- 70.0	24.0	
1	5	12.993	12.983	0.010	84149	19.9	201.5- 281.5	225.5	
			Average of Peak Amounts =			20.0			
2	6	11.563	11.557	0.006	27748	18.8		100.0	
2	7	11.643	11.637	0.006	27051	20.1	66.5- 146.5	97.5	
2	8	12.090	12.083	0.007	23050	19.5	46.6- 126.6	83.1	
2	9	12.267	12.260	0.007	7057	19.7	0.0- 68.5	25.4	
2	10	13.187	13.180	0.007	60701	19.5	181.0- 261.0	218.8	
			Average of Peak Amounts =			19.5			
						RPD = 2.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						39.7			
2						37.8			
						RPD = 4.90			

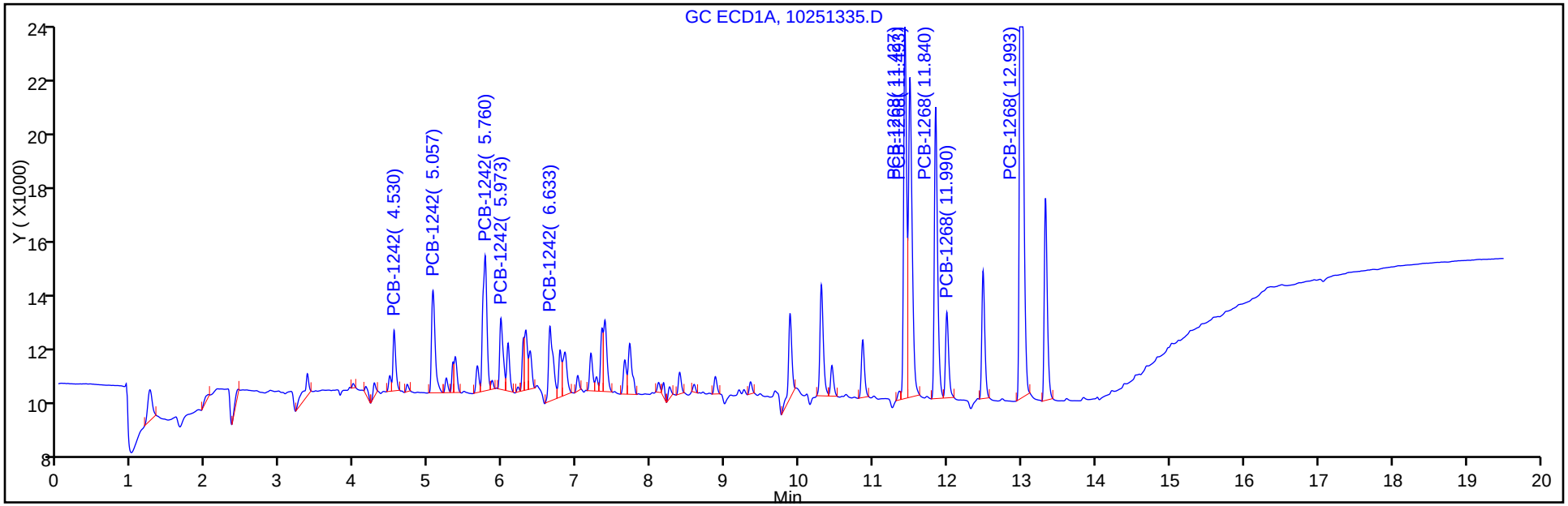
Report Date: 29-Oct-2013 12:13:01 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

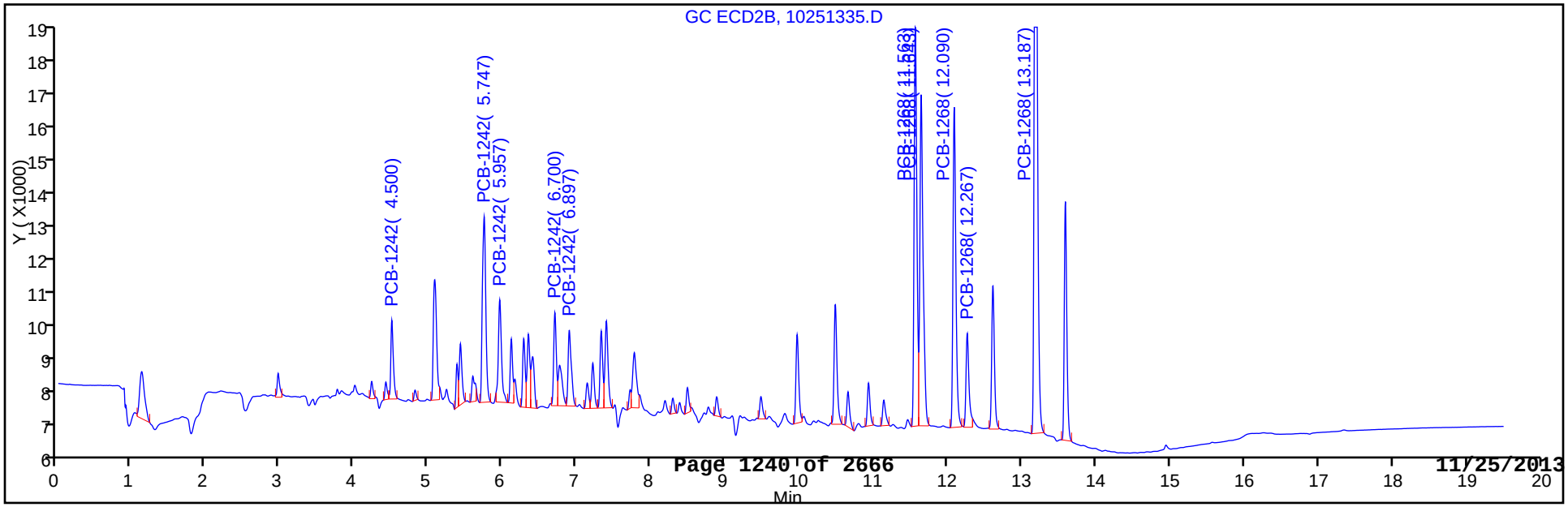
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D

Injection Date:	26-Oct-2013 04:04:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	35
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1242 Peak 1	4.500	4.500	4.500	4.497	4.500	4.497	4.497				4.460 - 4.540	4.499
PCB-1242 Peak 2	5.747	5.747	5.747	5.747	5.747	5.747	5.743				5.707 - 5.787	5.746
PCB-1242 Peak 3	5.957	5.957	5.957	5.953	5.953	5.953	5.953				5.913 - 5.993	5.955
PCB-1242 Peak 4	6.700	6.700	6.700	6.697	6.697	6.697	6.697				6.657 - 6.737	6.698
PCB-1242 Peak 5	6.897	6.897	6.893	6.893	6.893	6.890	6.890				6.853 - 6.933	6.893
PCB-1268 Peak 1	11.563	11.563	11.560	11.560	11.557	11.557	11.557				11.517 - 11.597	11.560
PCB-1268 Peak 2	11.643	11.643	11.640	11.640	11.637	11.637	11.637				11.597 - 11.677	11.640
PCB-1268 Peak 3	12.090	12.090	12.087	12.087	12.083	12.083	12.083				12.043 - 12.123	12.086
PCB-1268 Peak 4	12.267	12.267	12.263	12.263	12.260	12.260	12.260				12.220 - 12.300	12.263
PCB-1268 Peak 5	13.187	13.187	13.183	13.183	13.180	13.180	13.180				13.140 - 13.220	13.183

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1242 Peak 1	200.16 137.71	190.58 123.33	171.47 115.91	145.90	Lin1	3018.61464	121.227550							0.9920		0.9900
PCB-1242 Peak 2	633.60 485.94	611.38 437.71	560.66 414.60	496.38	Lin1	7790.92297	432.855529							0.9940		0.9900
PCB-1242 Peak 3	329.08 233.76	315.38 207.72	275.91 195.19	242.52	Lin1	4692.28430	204.569723							0.9920		0.9900
PCB-1242 Peak 4	250.32 167.15	225.94 152.89	197.30 144.60	173.33	Lin1	3389.19637	149.435374							0.9950		0.9900
PCB-1242 Peak 5	246.16 205.97	246.56 189.79	226.91 180.86	206.89	Lin1	2412.66499	187.735082							0.9960		0.9900
PCB-1268 Peak 1	1109.9 755.72	1025.6 697.31	907.41 658.59	774.09	Lin1	14950.1237	679.655377							0.9960		0.9900
PCB-1268 Peak 2	1082.0 805.19	1003.5 731.07	921.23 709.71	818.81	Lin1	12450.8428	728.039664							0.9960		0.9900
PCB-1268 Peak 3	922.00 654.74	853.48 599.65	767.52 575.41	667.34	Lin1	11520.9657	591.094669							0.9960		0.9900
PCB-1268 Peak 4	282.28 215.54	272.96 198.53	246.59 191.60	218.90	Lin1	3190.02274	196.645174							0.9970		0.9900
PCB-1268 Peak 5	2428.0 1669.8	2226.6 1532.5	1988.8 1480.5	1702.7	Lin1	31288.7694	1511.13930							0.9970		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Lin1	5004 92496	9529 115911	17147	36474	68853	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 2	Lin1	15840 328283	30569 414599	56066	124096	242972	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 3	Lin1	8227 155788	15769 195187	27591	60630	116878	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 4	Lin1	6258 114671	11297 144602	19730	43333	83573	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 5	Lin1	6154 142340	12328 180859	22691	51723	102985	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 1	Lin1	27748 522986	51282 658592	90741	193522	377858	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 2	Lin1	27051 548300	50177 709711	92123	204703	402597	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 3	Lin1	23050 449740	42674 575405	76752	166836	327368	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 4	Lin1	7057 148894	13648 191602	24659	54726	107770	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 5	Lin1	60701 1149344	111331 1480478	198881	425677	834907	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D
Lims ID: STDL74268 Client ID:
Inject. Date: 26-Oct-2013 01:45:33 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL74268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 197868 Lims Sample ID: 29
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	145666	936.1		100.0	
1	2	5.050	5.050	0.000	290581	931.4	161.6- 241.6	199.5	
1	3	5.753	5.757	-0.004	543730	948.8	323.5- 403.5	373.3	
1	4	5.967	5.967	0.000	241010	945.8	122.2- 202.2	165.5	
1	5	6.627	6.627	0.000	271200	947.7	141.9- 221.9	186.2	
			Average of Peak Amounts =			941.9			
2	6	4.497	4.500	-0.003	115911	931.2		100.0	
2	7	5.743	5.747	-0.004	414599	939.8	312.9- 392.9	357.7	
2	8	5.953	5.953	0.000	195187	931.2	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	144602	945.0	81.4- 161.4	124.8	
2	10	6.890	6.893	-0.003	180859	950.5	109.6- 189.6	156.0	
			Average of Peak Amounts =			939.6			
						RPD = 0.25			
12 PCB-1268									
1	1	11.413	11.417	-0.004	908306	957.4		100.0	
1	2	11.480	11.487	-0.007	1097479	952.8	80.4- 160.4	120.8	
1	3	11.830	11.833	-0.003	850358	957.3	53.0- 133.0	93.6	
1	4	11.983	11.983	0.000	279393	965.1	0.0- 70.0	30.8	
1	5	12.983	12.983	0.000	2216973	959.9	201.5- 281.5	244.1	
			Average of Peak Amounts =			958.5			
2	6	11.557	11.557	0.000	658592	947.0		100.0	
2	7	11.637	11.637	0.000	709711	957.7	66.5- 146.5	107.8	
2	8	12.083	12.083	0.000	575405	954.0	46.6- 126.6	87.4	
2	9	12.260	12.260	0.000	191602	958.1	0.0- 68.5	29.1	
2	10	13.180	13.180	0.000	1480478	959.0	181.0- 261.0	224.8	
			Average of Peak Amounts =			955.2			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1900.4			
2						1894.7			
						RPD = 0.30			

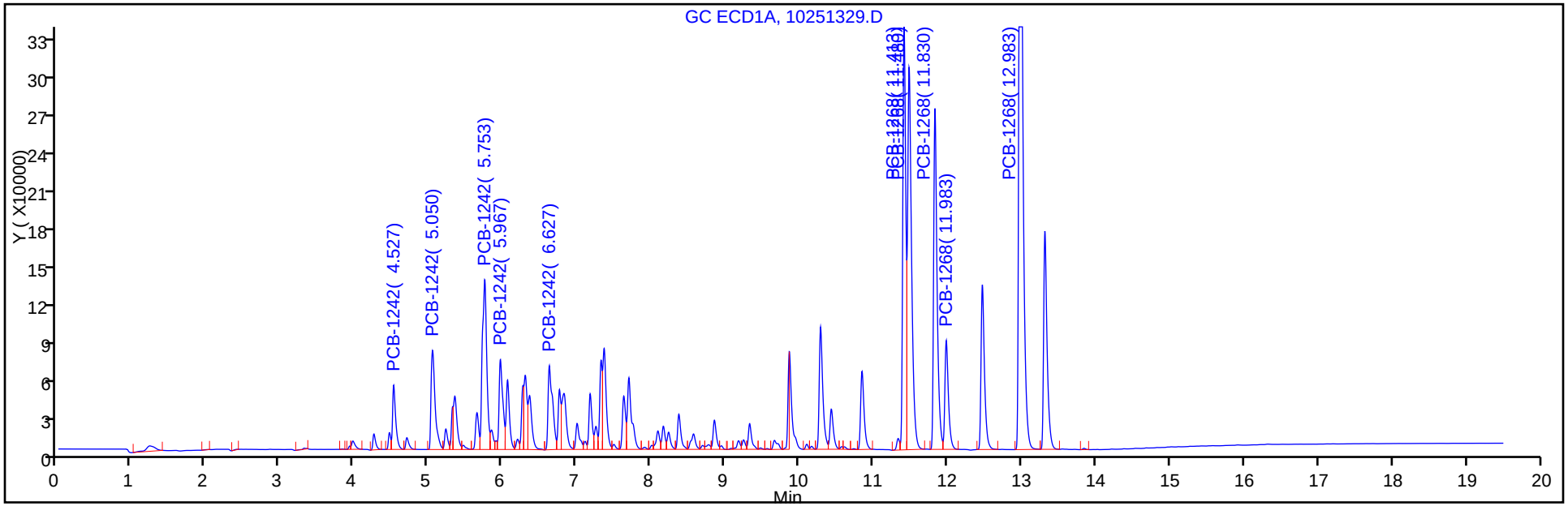
Report Date: 29-Oct-2013 12:13:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

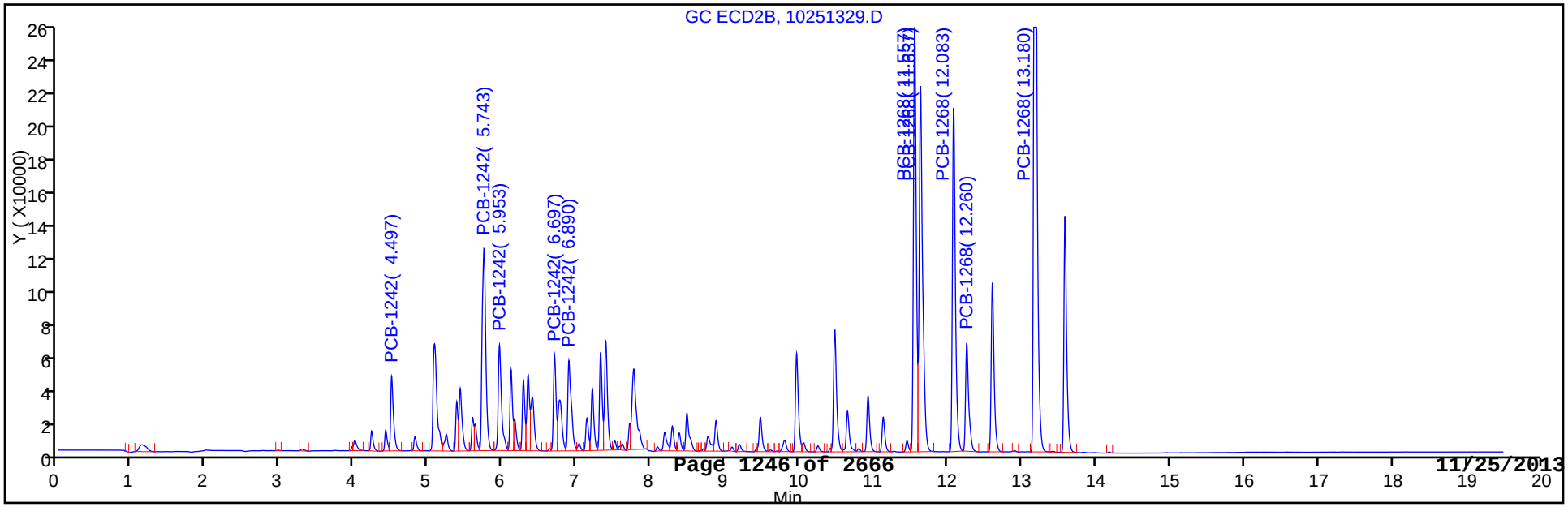
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D

Injection Date:	26-Oct-2013 01:45:33	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	29
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251330.D
Lims ID: STDL64268 Client ID:
Inject. Date: 26-Oct-2013 02:08:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL64268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 197868 Lims Sample ID: 30
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	115861	741.0		100.0	
1	2	5.050	5.050	0.000	232548	740.8	161.6- 241.6	200.7	
1	3	5.757	5.757	0.000	428805	745.8	323.5- 403.5	370.1	
1	4	5.967	5.967	0.000	190585	745.9	122.2- 202.2	164.5	
1	5	6.627	6.627	0.000	215013	746.5	141.9- 221.9	185.6	
			Average of Peak Amounts =			744.0			
2	6	4.497	4.500	-0.003	92496	738.1		100.0	
2	7	5.747	5.747	0.000	328283	740.4	312.9- 392.9	354.9	
2	8	5.953	5.953	0.000	155788	738.6	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	114671	744.7	81.4- 161.4	124.0	
2	10	6.890	6.893	-0.003	142340	745.3	109.6- 189.6	153.9	
			Average of Peak Amounts =			741.4			
						RPD = 0.35			
12 PCB-1268									
1	1	11.413	11.417	-0.004	705235	738.6		100.0	
1	2	11.483	11.487	-0.004	861871	745.1	80.4- 160.4	122.2	
1	3	11.830	11.833	-0.003	663641	743.7	53.0- 133.0	94.1	
1	4	11.983	11.983	0.000	216347	745.0	0.0- 70.0	30.7	
1	5	12.983	12.983	0.000	1720824	741.2	201.5- 281.5	244.0	
			Average of Peak Amounts =			742.7			
2	6	11.557	11.557	0.000	522986	747.5		100.0	
2	7	11.637	11.637	0.000	548300	736.0	66.5- 146.5	104.8	
2	8	12.083	12.083	0.000	449740	741.4	46.6- 126.6	86.0	
2	9	12.260	12.260	0.000	148894	740.9	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	1149344	739.9	181.0- 261.0	219.8	
			Average of Peak Amounts =			741.1			
						RPD = 0.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1486.8			
2						1482.6			
						RPD = 0.28			

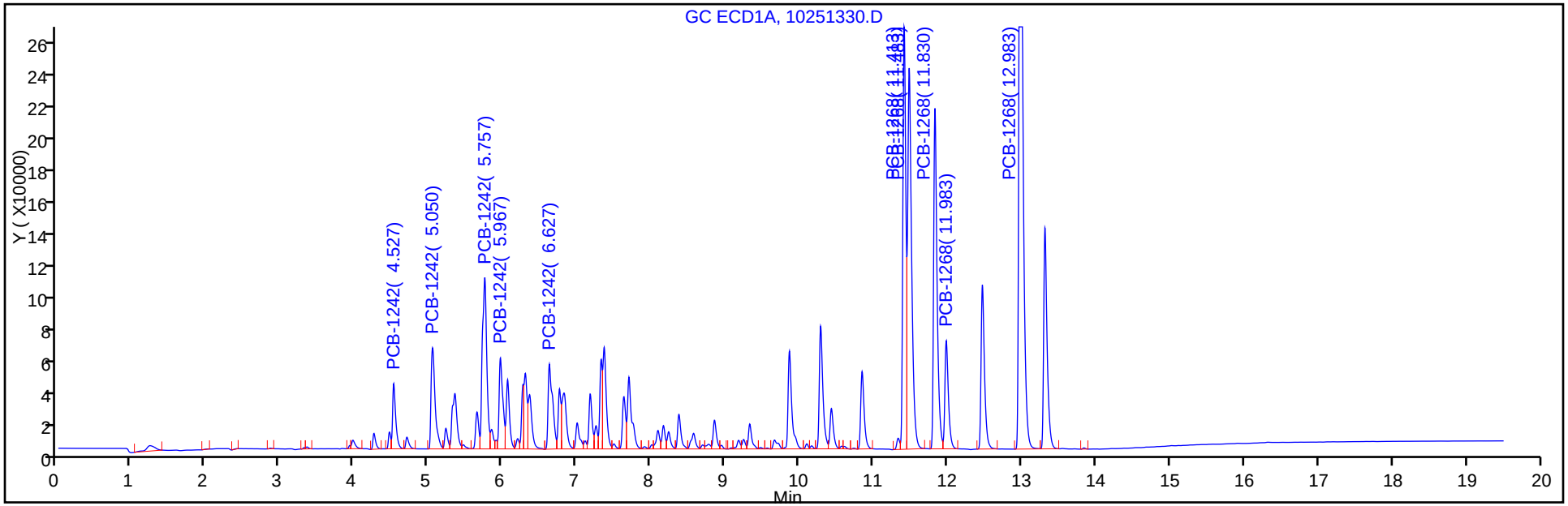
Report Date: 29-Oct-2013 12:13:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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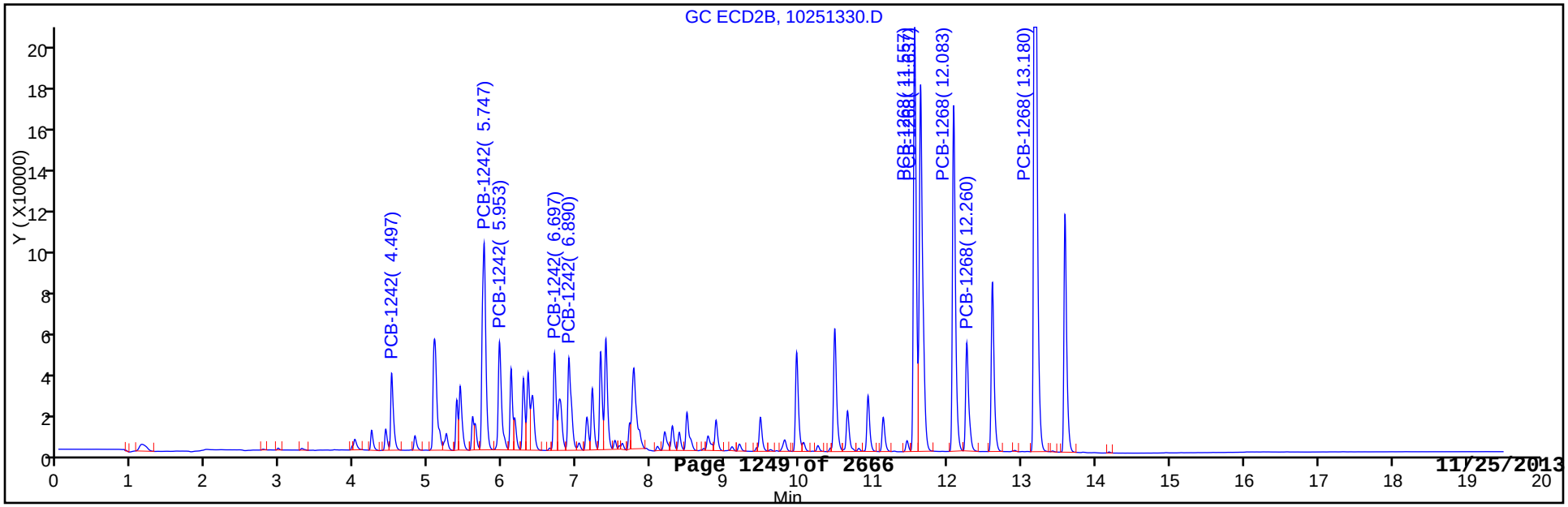
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Injection Date:	26-Oct-2013 02:08:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	30
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251331.D		
Lims ID:	STDL54268	Client ID:	
Inject. Date:	26-Oct-2013 02:31:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL54268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	197868	Lims Sample ID:	31
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:05	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:20:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	85987	545.4		100.0	
1	2	5.050	5.050	0.000	173351	546.5	161.6- 241.6	201.6	
1	3	5.757	5.757	0.000	312592	540.6	323.5- 403.5	363.5	
1	4	5.967	5.967	0.000	139513	543.5	122.2- 202.2	162.2	
1	5	6.627	6.627	0.000	156434	536.8	141.9- 221.9	181.9	
			Average of Peak Amounts =			542.6			
2	6	4.500	4.500	0.000	68853	543.1		100.0	
2	7	5.747	5.747	0.000	242972	543.3	312.9- 392.9	352.9	
2	8	5.953	5.953	0.000	116878	548.4	129.8- 209.8	169.8	
2	9	6.697	6.697	0.000	83573	536.6	81.4- 161.4	121.4	
2	10	6.893	6.893	0.000	102985	535.7	109.6- 189.6	149.6	
			Average of Peak Amounts =			541.4			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.417	11.417	0.000	516044	534.7		100.0	
1	2	11.487	11.487	0.000	621149	532.9	80.4- 160.4	120.4	
1	3	11.833	11.833	0.000	479893	533.5	53.0- 133.0	93.0	
1	4	11.983	11.983	0.000	154810	530.3	0.0- 70.0	30.0	
1	5	12.983	12.983	0.000	1246050	532.0	201.5- 281.5	241.5	
			Average of Peak Amounts =			532.7			
2	6	11.557	11.557	0.000	377858	534.0		100.0	
2	7	11.637	11.637	0.000	402597	535.9	66.5- 146.5	106.5	
2	8	12.083	12.083	0.000	327368	534.3	46.6- 126.6	86.6	
2	9	12.260	12.260	0.000	107770	531.8	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	834907	531.8	181.0- 261.0	221.0	
			Average of Peak Amounts =			533.6			
						RPD = 0.16			
S 15 Polychlorinated biphenyls, Total									
1						1075.2			
2						1075.0			
						RPD = 0.02			

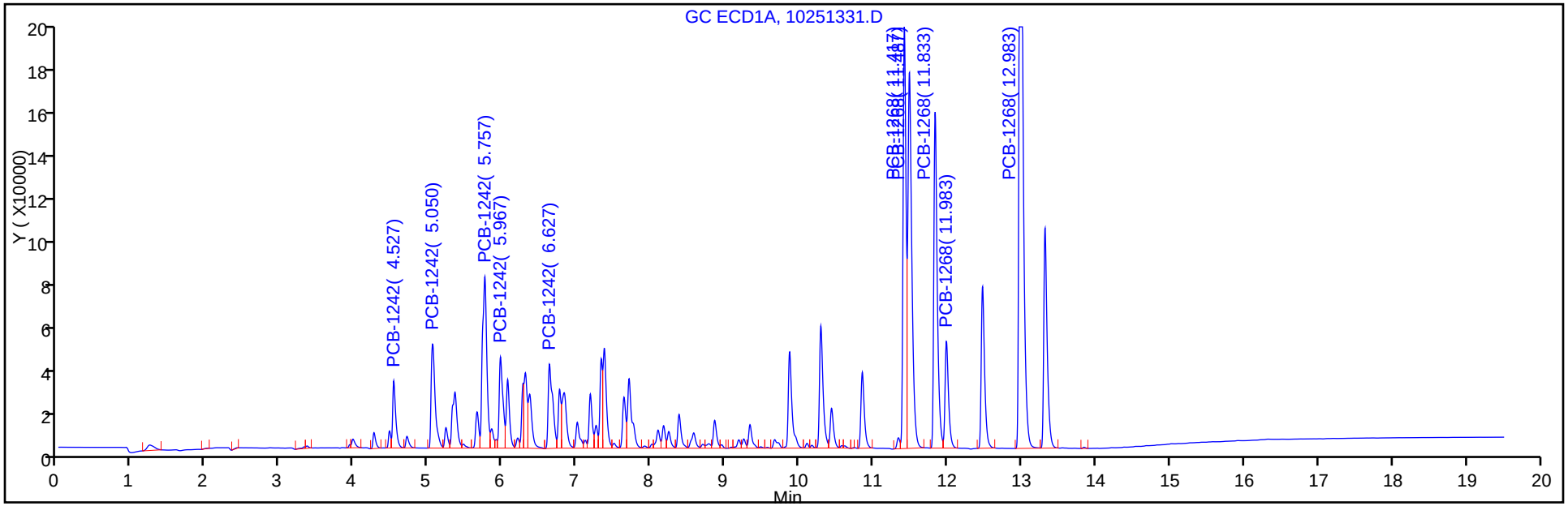
Report Date: 29-Oct-2013 12:13:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

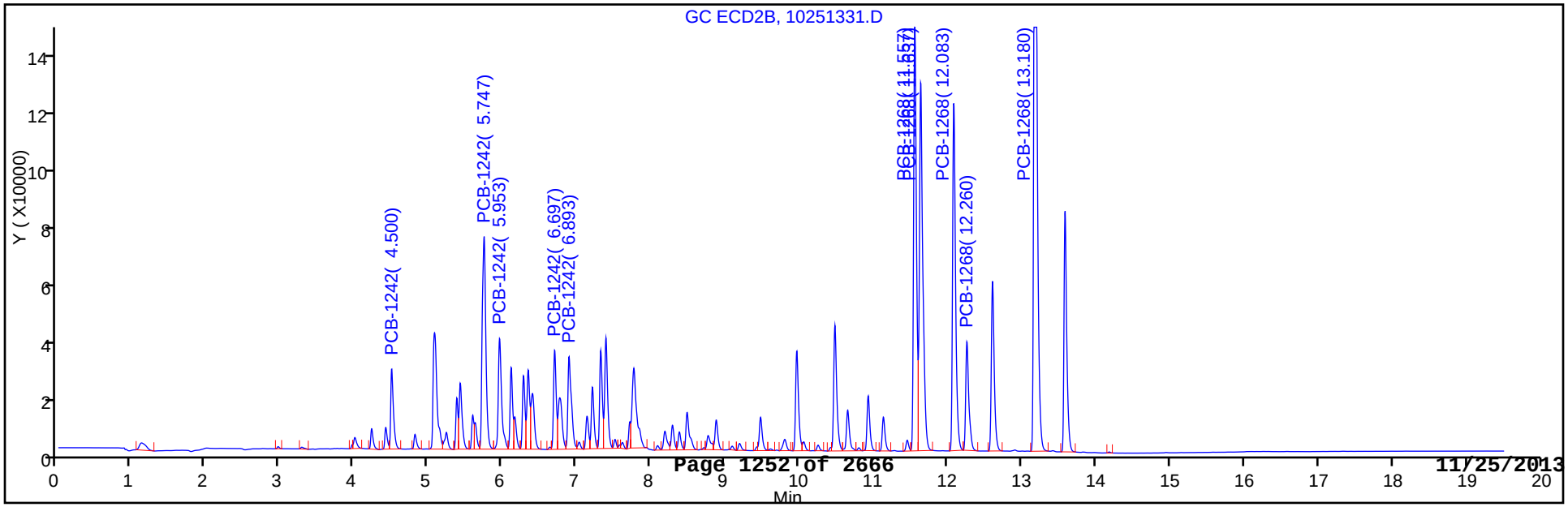
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251331.D

Injection Date:	26-Oct-2013 02:31:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	31
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251332.D
Lims ID: STDL44268 Client ID:
Inject. Date: 26-Oct-2013 02:54:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL44268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 197868 Lims Sample ID: 32
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:04 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	44016	270.5		100.0	
1	2	5.050	5.050	0.000	89938	272.6	161.6- 241.6	204.3	
1	3	5.757	5.757	0.000	155126	262.5	323.5- 403.5	352.4	
1	4	5.967	5.967	0.000	69919	267.7	122.2- 202.2	158.8	
1	5	6.627	6.627	0.000	78662	258.4	141.9- 221.9	178.7	
			Average of Peak Amounts =			266.3			
2	6	4.497	4.500	-0.003	36474	276.0		100.0	
2	7	5.747	5.747	0.000	124096	268.7	312.9- 392.9	340.2	
2	8	5.953	5.953	0.000	60630	273.4	129.8- 209.8	166.2	
2	9	6.697	6.697	0.000	43333	267.3	81.4- 161.4	118.8	
2	10	6.893	6.893	0.000	51723	262.7	109.6- 189.6	141.8	
			Average of Peak Amounts =			269.6			
						RPD = 1.22			
12 PCB-1268									
1	1	11.420	11.417	0.003	259197	258.0		100.0	
1	2	11.487	11.487	0.000	314220	262.4	80.4- 160.4	121.2	
1	3	11.833	11.833	0.000	240148	259.3	53.0- 133.0	92.7	
1	4	11.987	11.983	0.004	75648	254.0	0.0- 70.0	29.2	
1	5	12.987	12.983	0.004	627231	259.2	201.5- 281.5	242.0	
			Average of Peak Amounts =			258.6			
2	6	11.560	11.557	0.003	193522	262.7		100.0	
2	7	11.640	11.637	0.003	204703	264.1	66.5- 146.5	105.8	
2	8	12.087	12.083	0.004	166836	262.8	46.6- 126.6	86.2	
2	9	12.263	12.260	0.003	54726	262.1	0.0- 68.5	28.3	
2	10	13.183	13.180	0.003	425677	261.0	181.0- 261.0	220.0	
			Average of Peak Amounts =			262.5			
						RPD = 1.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.9			
2						532.1			
						RPD = 1.36			

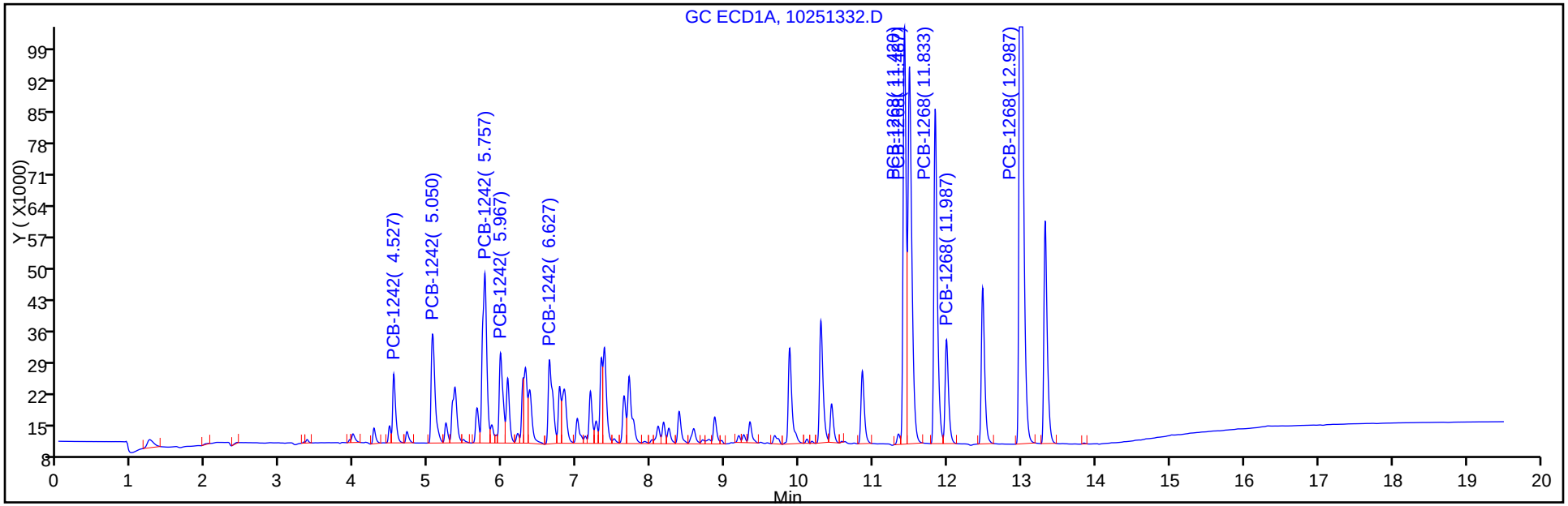
Report Date: 29-Oct-2013 12:13:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

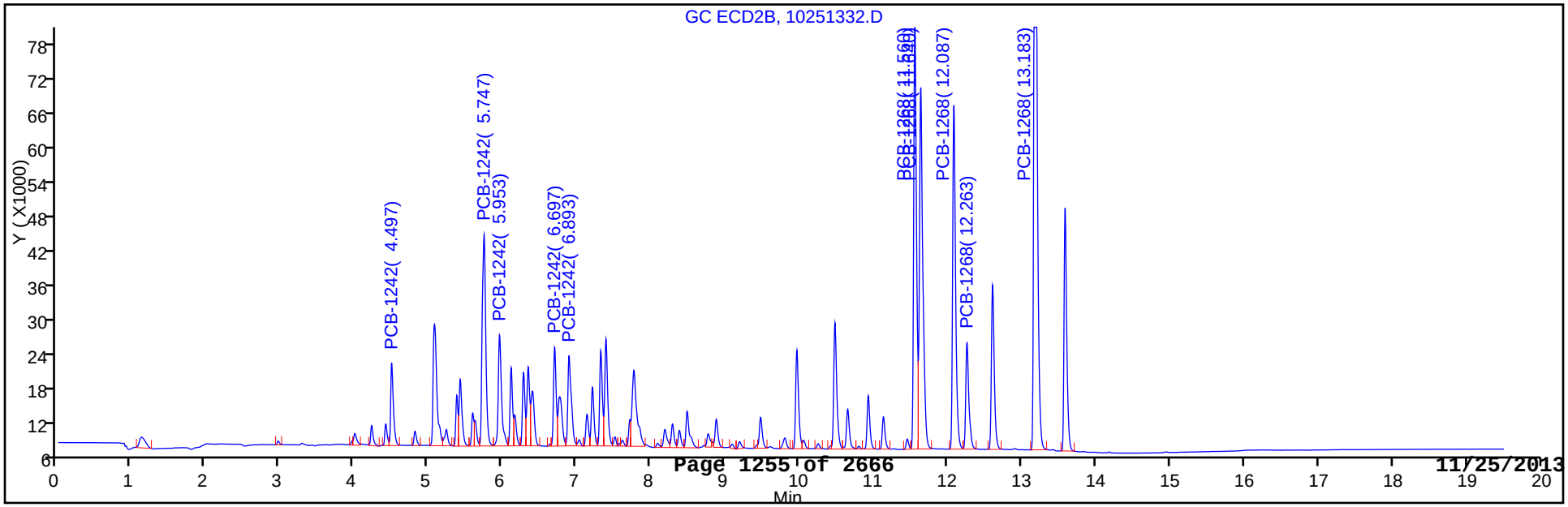
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251332.D

Injection Date:	26-Oct-2013 02:54:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	32
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251333.D		
Lims ID:	STDL34268	Client ID:	
Inject. Date:	26-Oct-2013 03:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL34268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	197868	Lims Sample ID:	33
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:03	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:38:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	19706	111.4		100.0	
1	2	5.053	5.050	0.003	41390	113.2	161.6- 241.6	210.0	
1	3	5.760	5.757	0.003	65906	104.9	323.5- 403.5	334.4	
1	4	5.970	5.967	0.003	27442	99.3	122.2- 202.2	139.3	
1	5	6.630	6.627	0.003	37626	111.5	141.9- 221.9	190.9	
			Average of Peak Amounts =			108.1			
2	6	4.500	4.500	0.000	17147	116.5		100.0	
2	7	5.747	5.747	0.000	56066	111.5	312.9- 392.9	327.0	
2	8	5.957	5.953	0.004	27591	111.9	129.8- 209.8	160.9	
2	9	6.700	6.697	0.003	19730	109.4	81.4- 161.4	115.1	
2	10	6.893	6.893	0.000	22691	108.0	109.6- 189.6	132.3	
			Average of Peak Amounts =			111.5			
						RPD = 3.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.423	11.417	0.006	126176	114.6		100.0	
1	2	11.490	11.487	0.003	139945	108.8	80.4- 160.4	110.9	
1	3	11.837	11.833	0.004	108302	108.5	53.0- 133.0	85.8	
1	4	11.987	11.983	0.004	33617	107.3	0.0- 70.0	26.6	
1	5	12.990	12.983	0.007	288855	110.1	201.5- 281.5	228.9	
			Average of Peak Amounts =			109.9			
2	6	11.560	11.557	0.003	90741	111.5		100.0	
2	7	11.640	11.637	0.003	92123	109.4	66.5- 146.5	101.5	
2	8	12.087	12.083	0.004	76752	110.4	46.6- 126.6	84.6	
2	9	12.263	12.260	0.003	24659	109.2	0.0- 68.5	27.2	
2	10	13.183	13.180	0.003	198881	110.9	181.0- 261.0	219.2	
			Average of Peak Amounts =			110.3			
						RPD = 0.38			
S 15 Polychlorinated biphenyls, Total									
1						217.9			
2						221.8			
						RPD = 1.74			

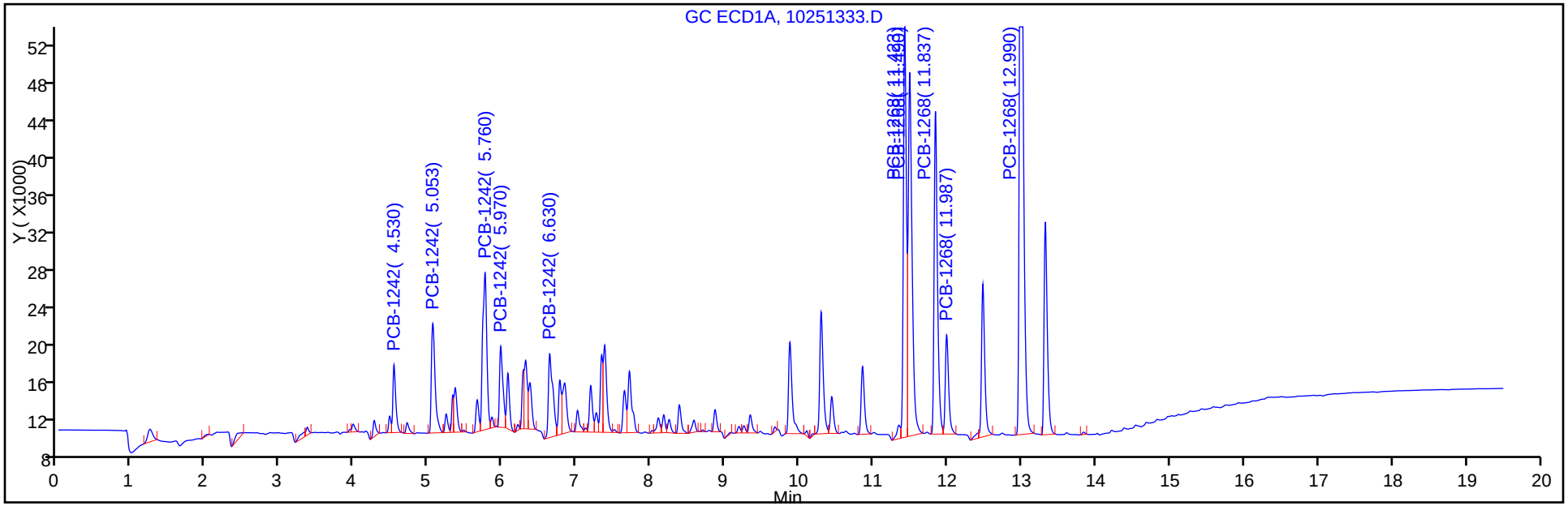
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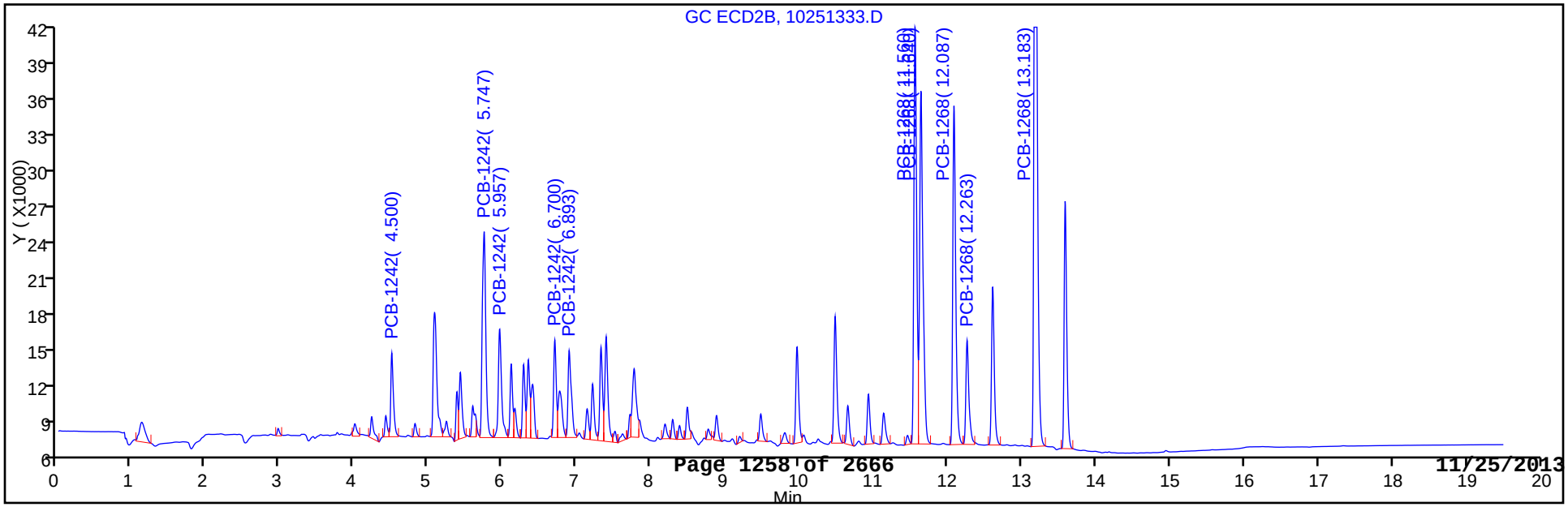
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251333.D

Injection Date:	26-Oct-2013 03:17:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	33
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251334.D		
Lims ID:	STDL24268	Client ID:	
Inject. Date:	26-Oct-2013 03:41:04	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STDL24268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	34
Lims Batch ID:	197868	Lims Sample ID:	34
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:02	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	10603	51.8		100.0	
1	2	5.057	5.050	0.007	22984	52.8	161.6- 241.6	216.8	
1	3	5.760	5.757	0.003	35342	51.0	323.5- 403.5	333.3	
1	4	5.973	5.967	0.006	15010	50.1	122.2- 202.2	141.6	
1	5	6.633	6.627	0.006	22243	56.4	141.9- 221.9	209.8	
			Average of Peak Amounts =			52.4			
2	6	4.500	4.500	0.000	9529	53.7		100.0	
2	7	5.747	5.747	0.000	30569	52.6	312.9- 392.9	320.8	
2	8	5.957	5.953	0.004	15769	54.1	129.8- 209.8	165.5	
2	9	6.700	6.697	0.003	11297	52.9	81.4- 161.4	118.6	
2	10	6.897	6.893	0.004	12328	52.8	109.6- 189.6	129.4	
			Average of Peak Amounts =			53.2			
						RPD = 1.59			
12 PCB-1268									
1	1	11.423	11.417	0.006	68751	52.7		100.0	
1	2	11.493	11.487	0.006	77071	53.3	80.4- 160.4	112.1	
1	3	11.840	11.833	0.007	59095	52.2	53.0- 133.0	86.0	
1	4	11.990	11.983	0.007	17784	52.1	0.0- 70.0	25.9	
1	5	12.990	12.983	0.007	158853	52.8	201.5- 281.5	231.1	
			Average of Peak Amounts =			52.6			
2	6	11.563	11.557	0.006	51282	53.5		100.0	
2	7	11.643	11.637	0.006	50177	51.8	66.5- 146.5	97.8	
2	8	12.090	12.083	0.007	42674	52.7	46.6- 126.6	83.2	
2	9	12.267	12.260	0.007	13648	53.2	0.0- 68.5	26.6	
2	10	13.187	13.180	0.007	111331	53.0	181.0- 261.0	217.1	
			Average of Peak Amounts =			52.8			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						105.0			
2						106.1			
						RPD = 0.98			

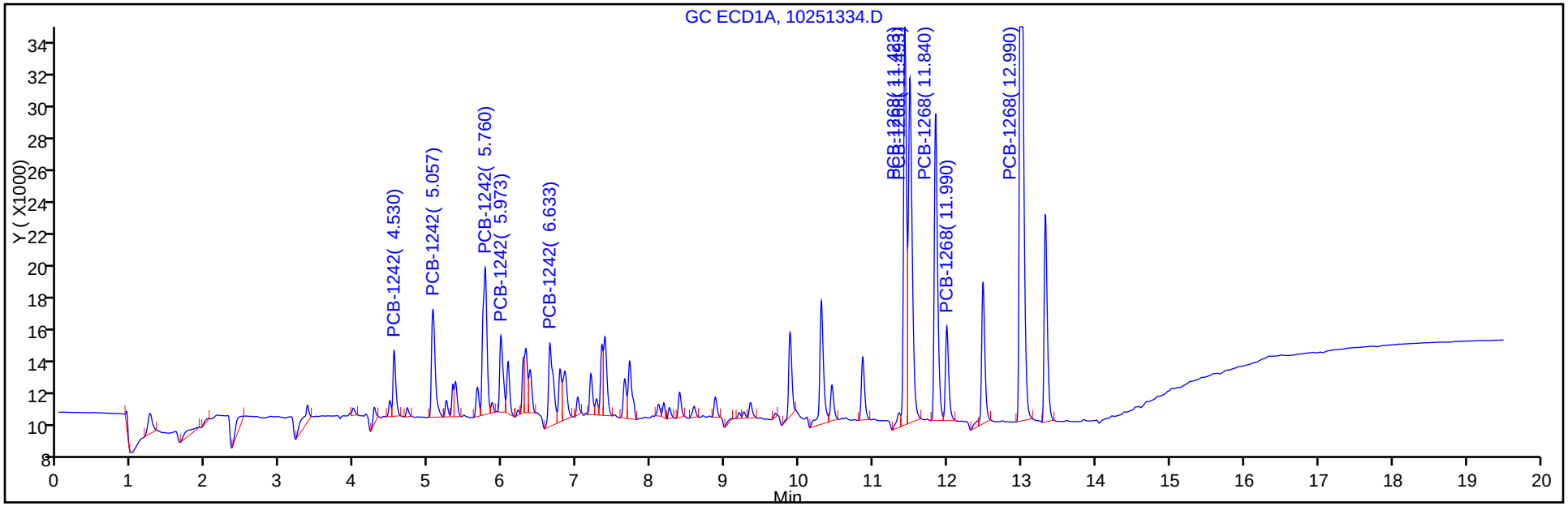
Report Date: 29-Oct-2013 12:13:02 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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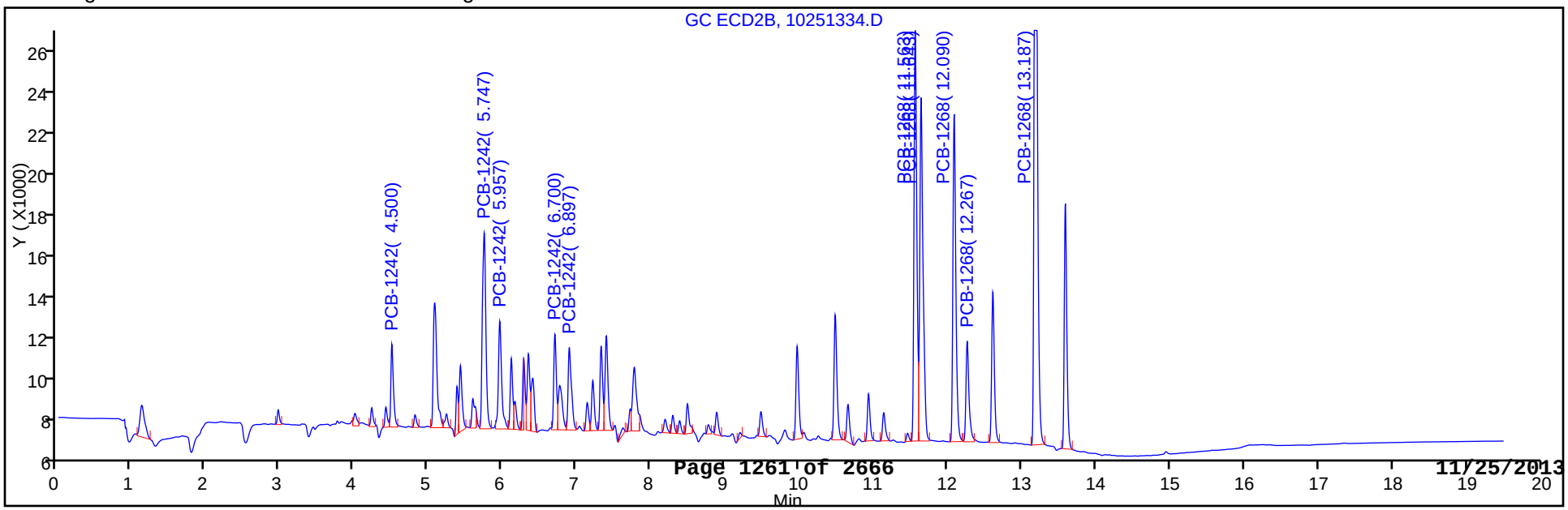
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251334.D

Injection Date:	26-Oct-2013 03:41:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	34
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Lims ID: STDL14268 Client ID:
Inject. Date: 26-Oct-2013 04:04:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STDL14268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 35
Lims Batch ID: 197868 Lims Sample ID: 35
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:00 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	5579	18.9		100.0	
1	2	5.057	5.050	0.007	12308	17.7	161.6- 241.6	220.6	
1	3	5.760	5.757	0.003	18612	21.4	323.5- 403.5	333.6	
1	4	5.973	5.967	0.006	8106	22.7	122.2- 202.2	145.3	
1	5	6.633	6.627	0.006	11405	17.6	141.9- 221.9	204.4	
			Average of Peak Amounts =			19.7			
2	6	4.500	4.500	0.000	5004	16.4		100.0	
2	7	5.747	5.747	0.000	15840	18.6	312.9- 392.9	316.5	
2	8	5.957	5.953	0.004	8227	17.3	129.8- 209.8	164.4	
2	9	6.700	6.697	0.003	6258	19.2	81.4- 161.4	125.1	
2	10	6.897	6.893	0.004	6154	19.9	109.6- 189.6	123.0	
			Average of Peak Amounts =			18.3			
						RPD = 7.35			
12 PCB-1268									
1	1	11.427	11.417	0.010	37318	18.9		100.0	
1	2	11.493	11.487	0.006	38779	19.6	80.4- 160.4	103.9	
1	3	11.840	11.833	0.007	31292	20.4	53.0- 133.0	83.9	
1	4	11.990	11.983	0.007	8960	21.3	0.0- 70.0	24.0	
1	5	12.993	12.983	0.010	84149	19.9	201.5- 281.5	225.5	
			Average of Peak Amounts =			20.0			
2	6	11.563	11.557	0.006	27748	18.8		100.0	
2	7	11.643	11.637	0.006	27051	20.1	66.5- 146.5	97.5	
2	8	12.090	12.083	0.007	23050	19.5	46.6- 126.6	83.1	
2	9	12.267	12.260	0.007	7057	19.7	0.0- 68.5	25.4	
2	10	13.187	13.180	0.007	60701	19.5	181.0- 261.0	218.8	
			Average of Peak Amounts =			19.5			
						RPD = 2.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						39.7			
2						37.8			
						RPD = 4.90			

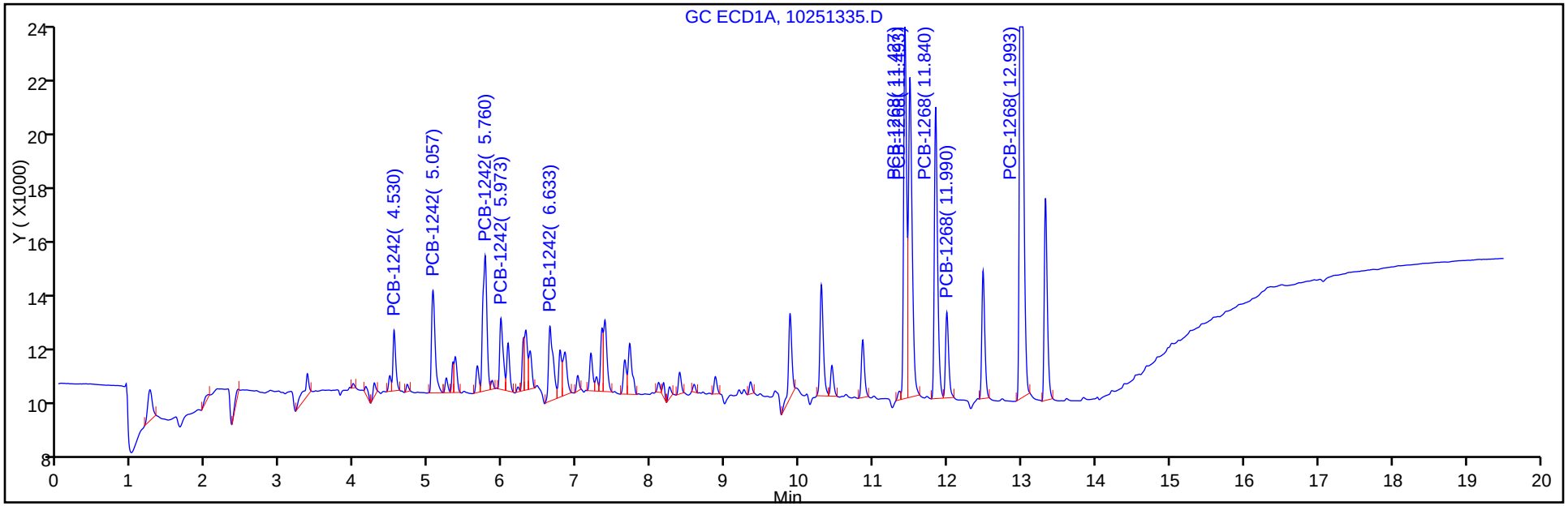
Report Date: 29-Oct-2013 12:13:01 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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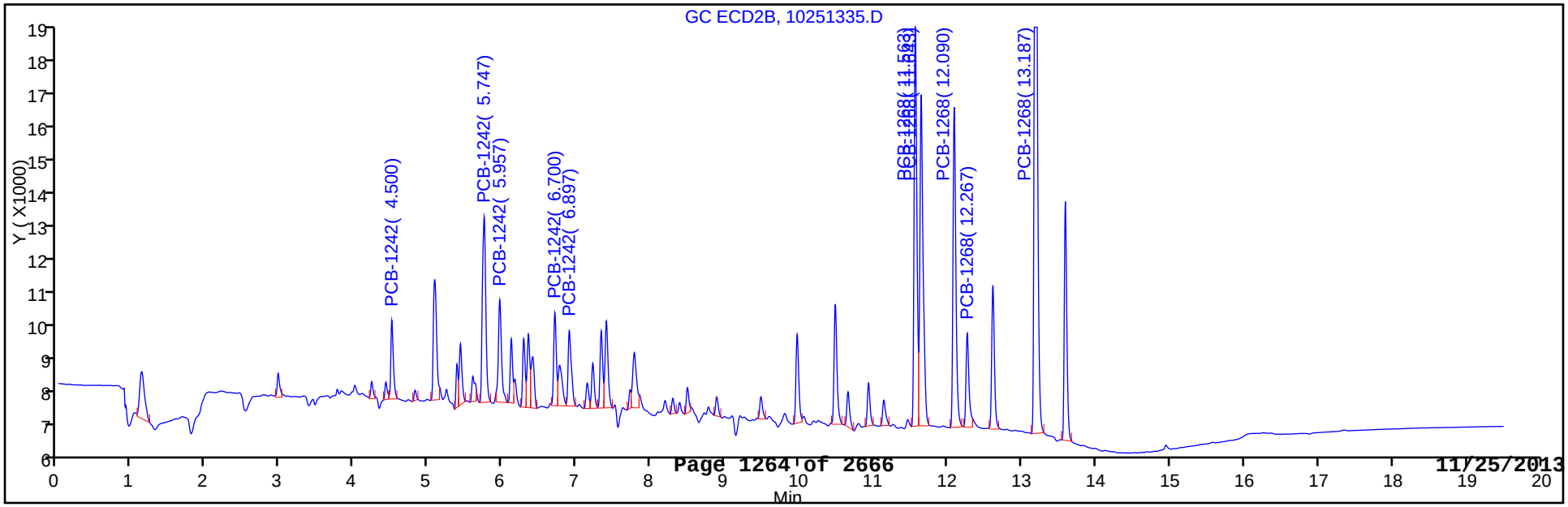
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D

Injection Date:	26-Oct-2013 04:04:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	35
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		184508		0.280	0.250	12.0	20.0
PCB-1248 Peak 2	Lin1		407564		0.270	0.250	8.1	20.0
PCB-1248 Peak 3	Lin1		451120		0.267	0.250	6.8	20.0
PCB-1248 Peak 4	Lin1		208104		0.271	0.250	8.3	20.0
PCB-1248 Peak 5	Lin1		229860		0.262	0.250	5.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.05	5.01	5.09
PCB-1248 Peak 2	5.76	5.72	5.80
PCB-1248 Peak 3	6.63	6.59	6.67
PCB-1248 Peak 4	7.18	7.14	7.22
PCB-1248 Peak 5	8.38	8.34	8.42

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D		
Lims ID:	ICV	Client ID:	
Inject. Date:	26-Oct-2013 04:27:44	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	ICV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	197868	Lims Sample ID:	36
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:12:47	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:46:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									M
1	1	5.050	5.050	0.000	46127	280.0		100.0	
1	2	5.757	5.757	0.000	101891	270.1	186.9- 266.9	220.9	M
1	3	6.630	6.630	0.000	112780	267.1	209.5- 289.5	244.5	M
1	4	7.180	7.180	0.000	52026	270.7	74.7- 154.7	112.8	M
1	5	8.377	8.377	0.000	57465	262.4	90.2- 170.2	124.6	M
			Average of Peak Amounts =			270.1			
2	6	5.073	5.073	0.000	38615	281.1		100.0	
2	7	5.743	5.747	-0.004	82075	271.4	177.5- 257.5	212.5	
2	8	6.893	6.893	0.000	74890	283.2	151.9- 231.9	193.9	
2	9	7.320	7.320	0.000	70294	276.5	145.1- 225.1	182.0	M
2	10	7.390	7.390	0.000	90316	286.2	189.2- 269.2	233.9	M
			Average of Peak Amounts =			279.7			
						RPD = 3.51			

QC Flag Legend

Review Flags
M - Manually Integrated

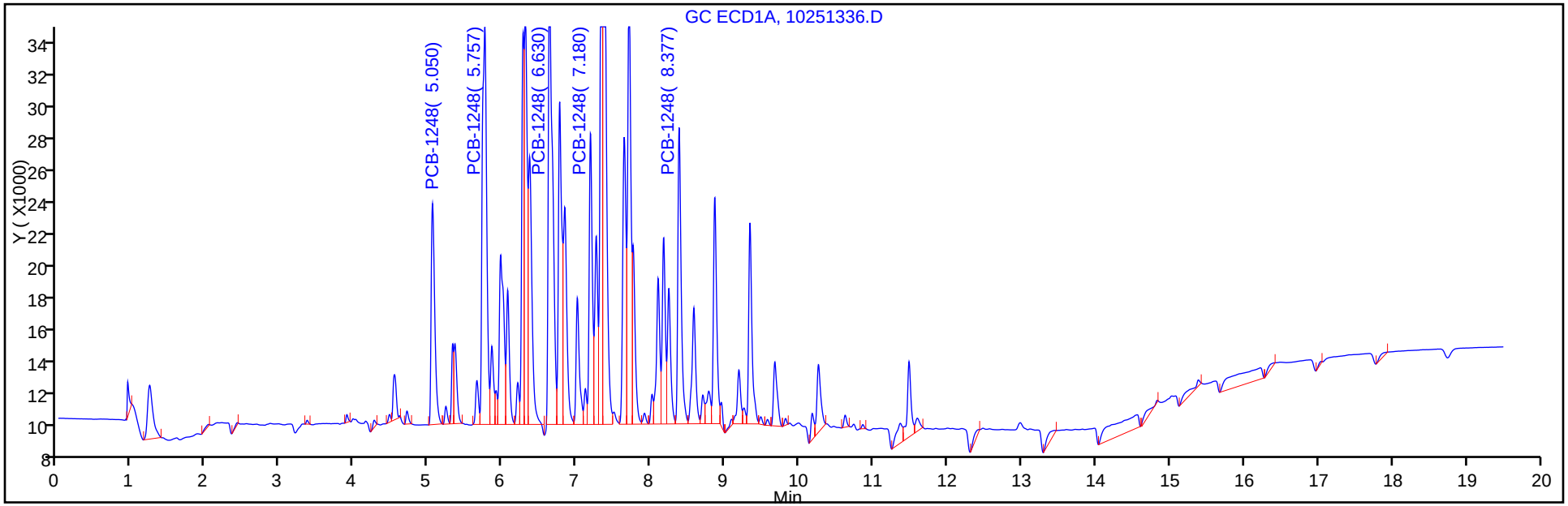
Report Date: 29-Oct-2013 12:12:59 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

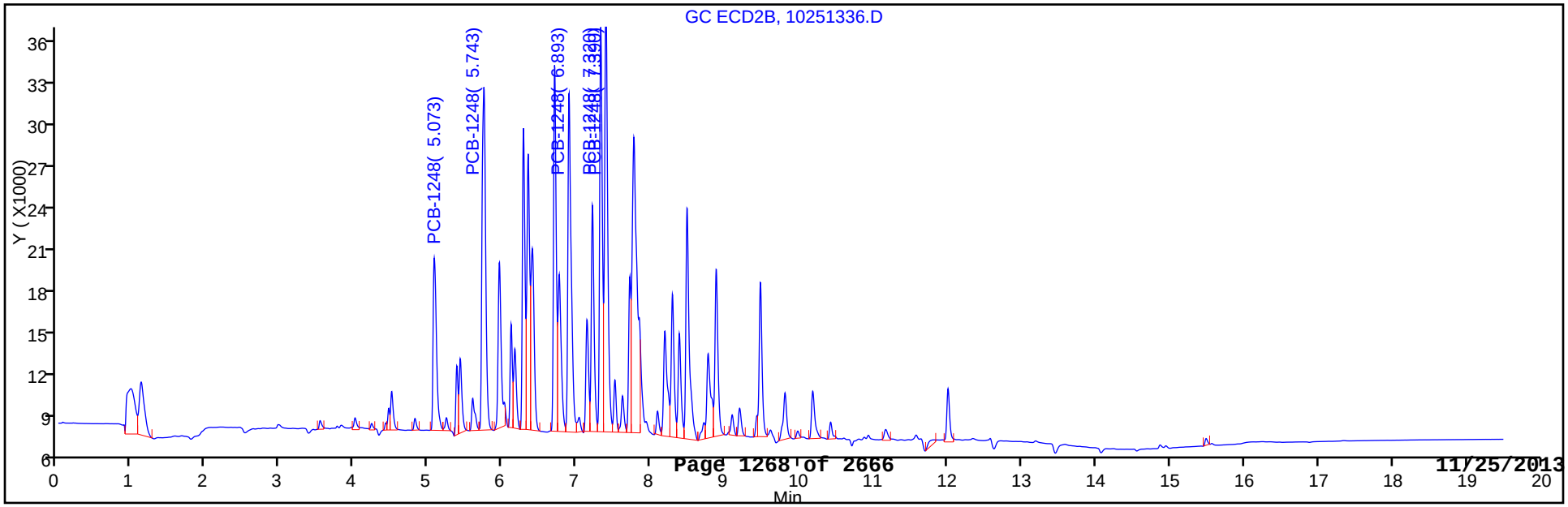
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D

Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



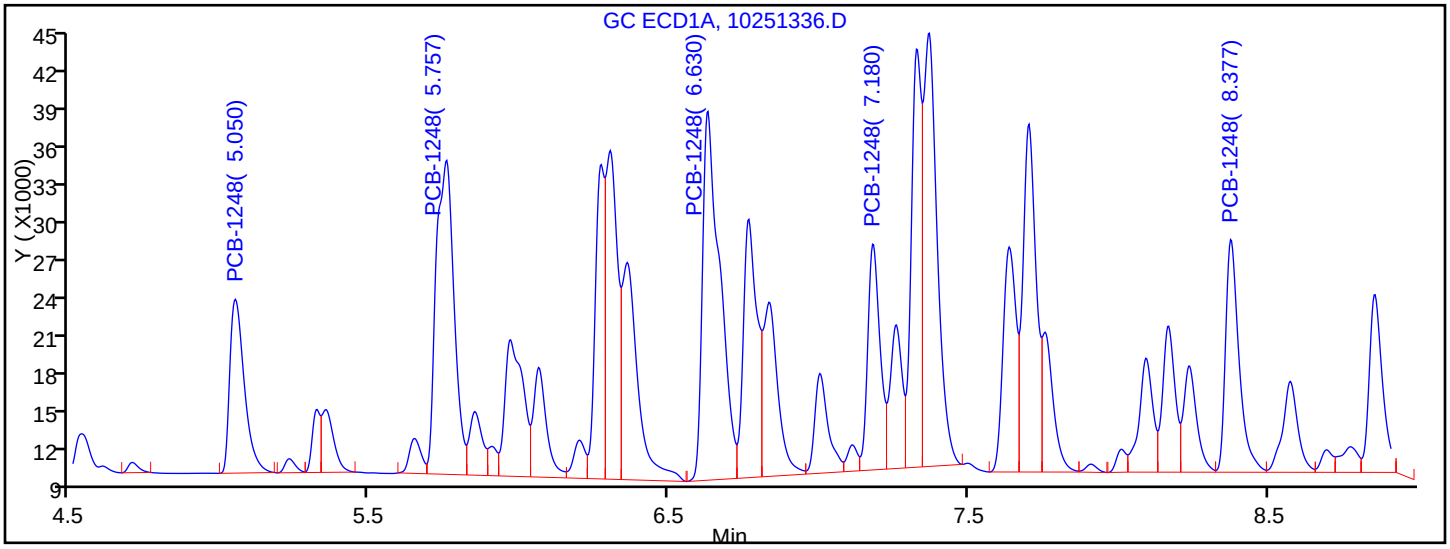
Report Date: 29-Oct-2013 12:13:00 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D

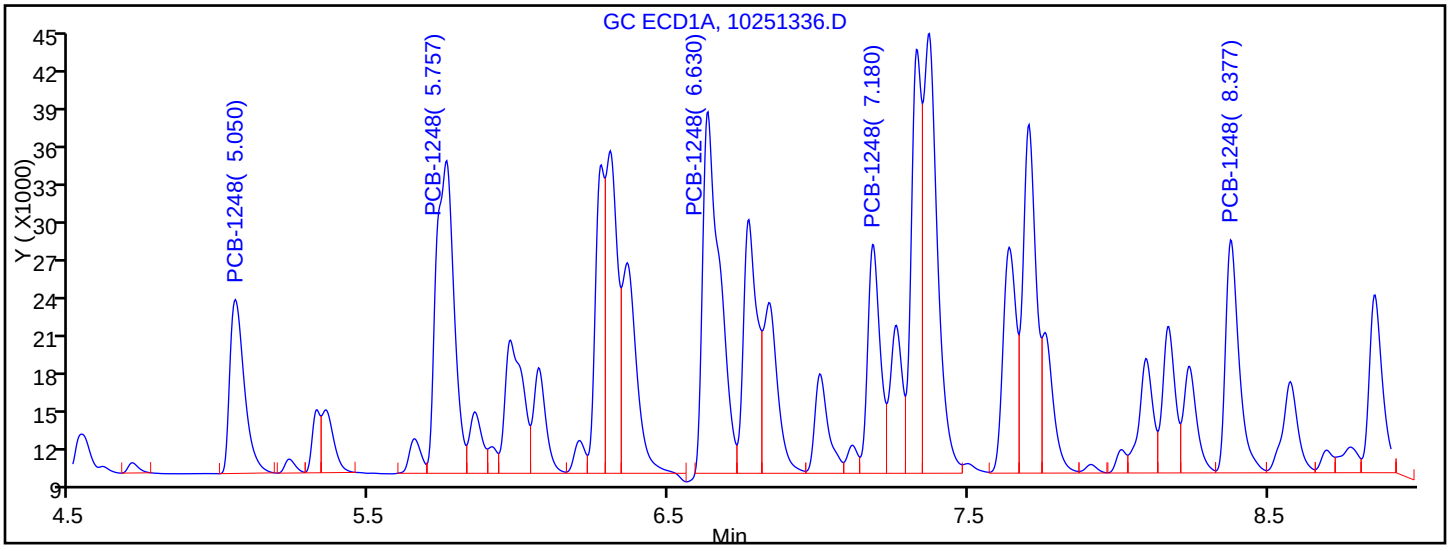
Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

6 PCB-1248, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.050	Response = 46127	
RT = 5.757	Response = 102755	M
RT = 6.630	Response = 117468	M
RT = 7.180	Response = 50733	M
RT = 8.377	Response = 57241	M



Manual Integration Results

RT = 5.050	Response = 46127	
RT = 5.757	Response = 101891	M
RT = 6.630	Response = 112780	M
RT = 7.180	Response = 52026	M
RT = 8.377	Response = 57465	M

Reviewer: jacksonto, 29-Oct-2013 12:11:28

Audit Action: Assigned New Baseline

Audit Reason: Instrument noise

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		154460		0.281	0.250	12.5	20.0
PCB-1248 Peak 2	Lin1		328300		0.271	0.250	8.6	20.0
PCB-1248 Peak 3	Lin1		299560		0.283	0.250	13.3	20.0
PCB-1248 Peak 4	Lin1		281176		0.277	0.250	10.6	20.0
PCB-1248 Peak 5	Lin1		361264		0.286	0.250	14.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.07	5.03	5.11
PCB-1248 Peak 2	5.74	5.71	5.79
PCB-1248 Peak 3	6.89	6.85	6.93
PCB-1248 Peak 4	7.32	7.28	7.36
PCB-1248 Peak 5	7.39	7.35	7.43

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D		
Lims ID:	ICV	Client ID:	
Inject. Date:	26-Oct-2013 04:27:44	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	ICV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	197868	Lims Sample ID:	36
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:12:47	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:46:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									M
1	1	5.050	5.050	0.000	46127	280.0		100.0	
1	2	5.757	5.757	0.000	101891	270.1	186.9- 266.9	220.9	M
1	3	6.630	6.630	0.000	112780	267.1	209.5- 289.5	244.5	M
1	4	7.180	7.180	0.000	52026	270.7	74.7- 154.7	112.8	M
1	5	8.377	8.377	0.000	57465	262.4	90.2- 170.2	124.6	M
			Average of Peak Amounts =			270.1			
2	6	5.073	5.073	0.000	38615	281.1		100.0	
2	7	5.743	5.747	-0.004	82075	271.4	177.5- 257.5	212.5	
2	8	6.893	6.893	0.000	74890	283.2	151.9- 231.9	193.9	
2	9	7.320	7.320	0.000	70294	276.5	145.1- 225.1	182.0	M
2	10	7.390	7.390	0.000	90316	286.2	189.2- 269.2	233.9	M
			Average of Peak Amounts =			279.7			
						RPD = 3.51			

QC Flag Legend

Review Flags
M - Manually Integrated

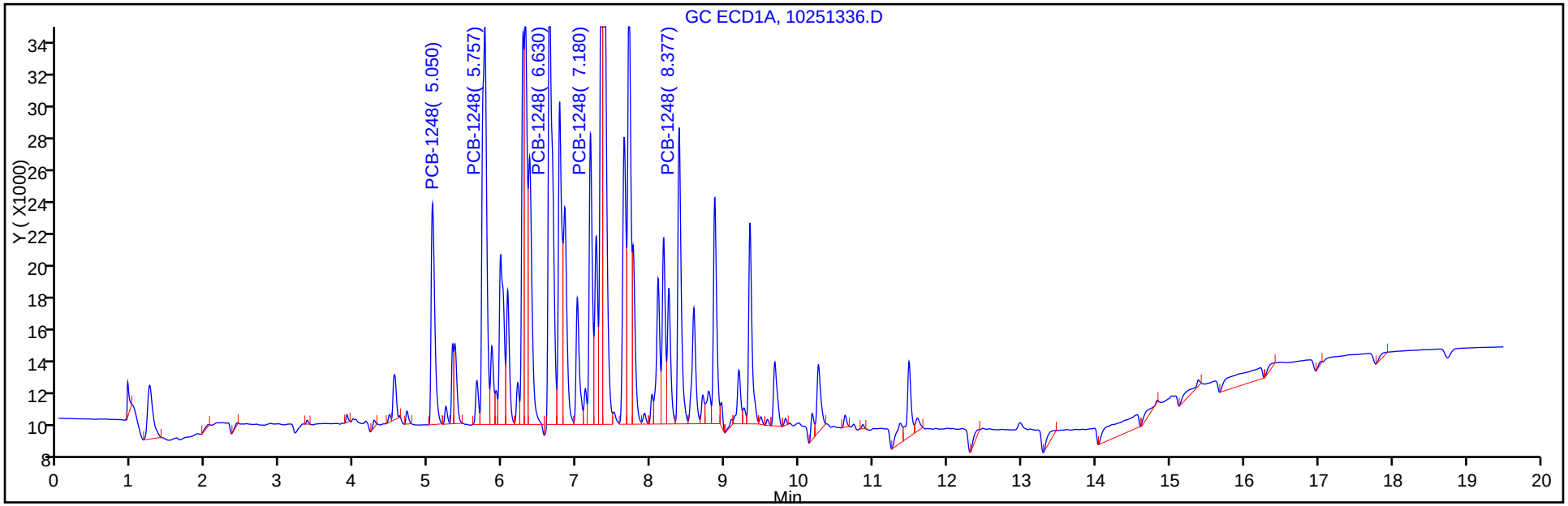
Report Date: 29-Oct-2013 12:13:00 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

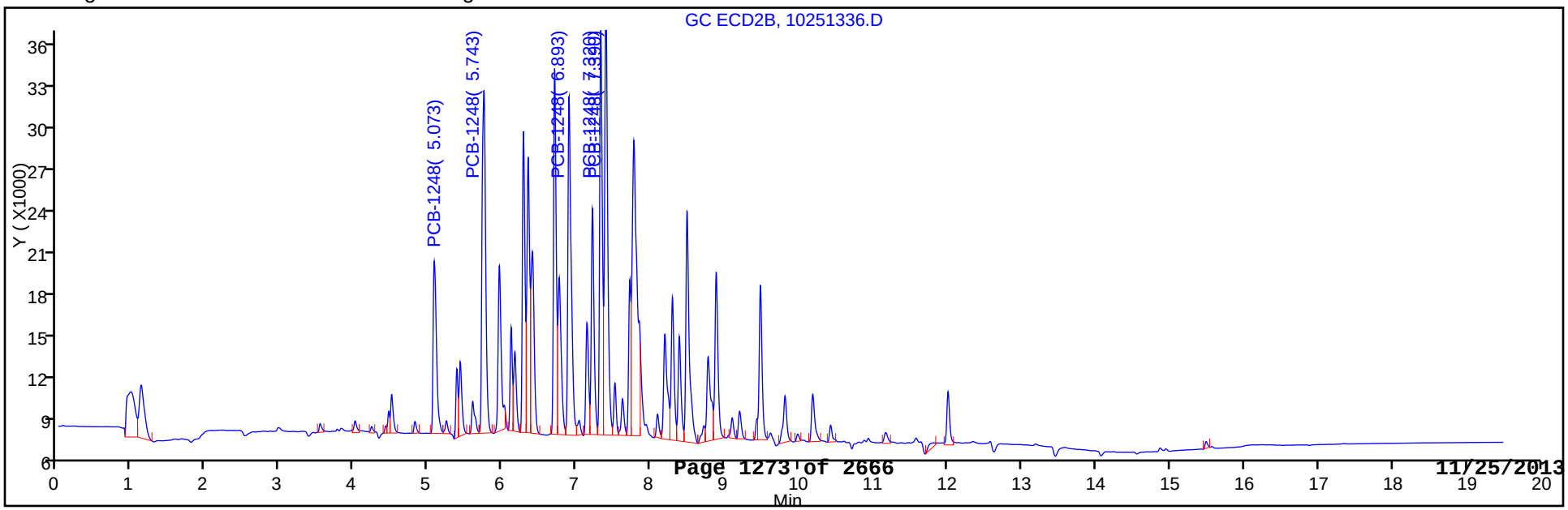
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D

Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



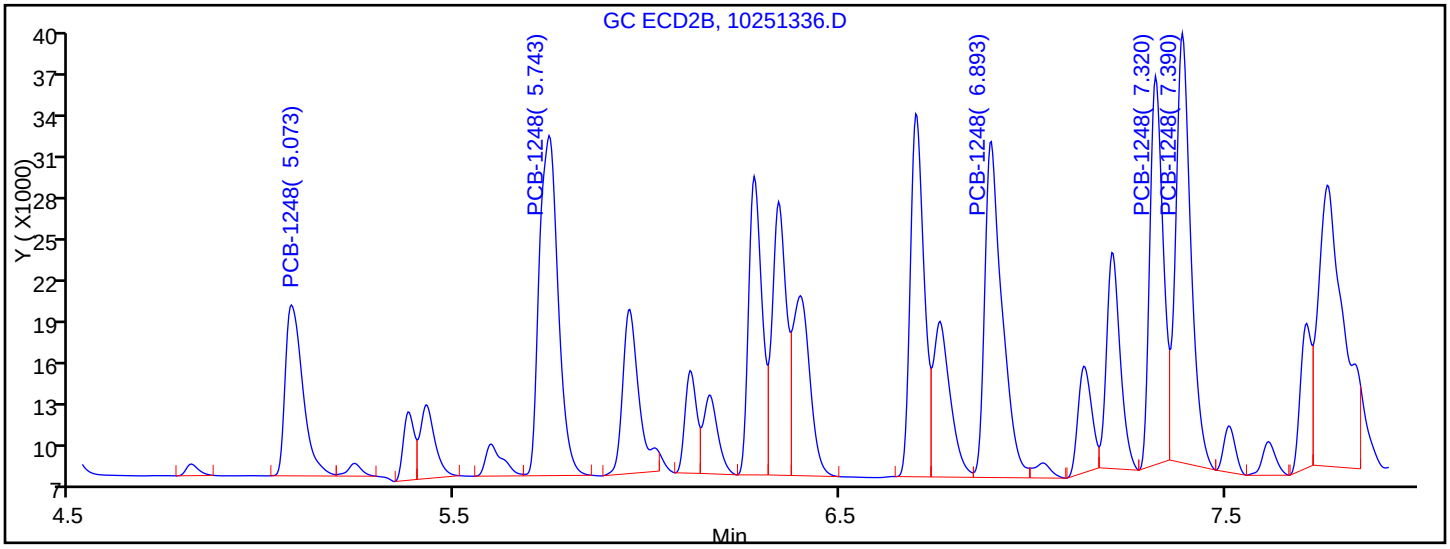
Report Date: 29-Oct-2013 12:13:00 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D

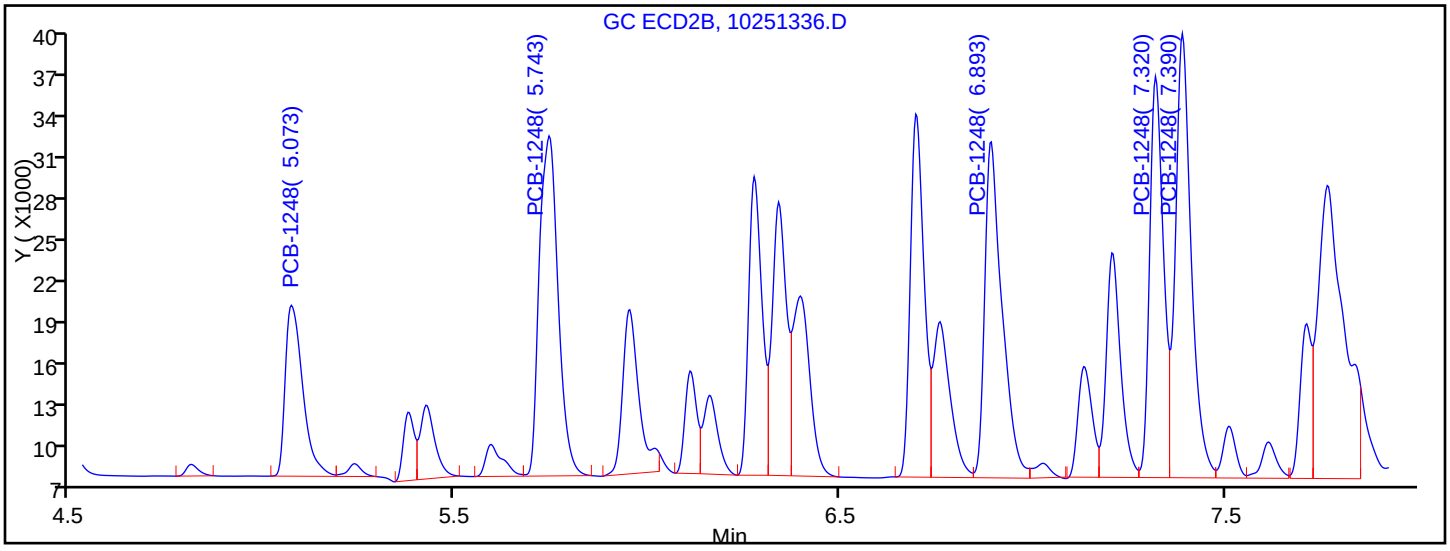
Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

6 PCB-1248, Detector: 2, GC ECD2B



Processing Integration Results

RT = 5.073	Response = 38615	
RT = 5.743	Response = 82075	
RT = 6.893	Response = 74890	
RT = 7.320	Response = 66149	M
RT = 7.390	Response = 83952	M



Manual Integration Results

RT = 5.073	Response = 38615	
RT = 5.743	Response = 82075	
RT = 6.893	Response = 74890	
RT = 7.320	Response = 70294	M
RT = 7.390	Response = 90316	M

Reviewer: jacksonto, 29-Oct-2013 12:11:28

Audit Action: Assigned New Baseline

Audit Reason: Instrument noise

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		120124		0.259	0.250	3.6	20.0
PCB-1221 Peak 2	Lin1		67148		0.261	0.250	4.3	20.0
PCB-1221 Peak 3	Lin1		280736		0.268	0.250	7.2	20.0
PCB-1254 Peak 1	Lin1		331492		0.260	0.250	4.0	20.0
PCB-1254 Peak 2	Lin1		354264		0.255	0.250	1.9	20.0
PCB-1254 Peak 3	Lin1		600932		0.252	0.250	0.8	20.0
PCB-1254 Peak 4	Lin1		477480		0.261	0.250	4.4	20.0
PCB-1254 Peak 5	Lin1		631568		0.258	0.250	3.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.26	4.22	4.30
PCB-1221 Peak 2	4.47	4.43	4.51
PCB-1221 Peak 3	4.53	4.49	4.57
PCB-1254 Peak 1	7.26	7.22	7.30
PCB-1254 Peak 2	8.17	8.12	8.20
PCB-1254 Peak 3	8.38	8.33	8.41
PCB-1254 Peak 4	9.18	9.14	9.22
PCB-1254 Peak 5	9.67	9.62	9.70

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 04:51:08 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 197868 Lims Sample ID: 37
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									M
1	1	4.263	4.260	0.003	30031	258.9		100.0	
1	2	4.473	4.470	0.003	16787	260.8	16.6- 96.6	55.9	
1	3	4.530	4.527	0.003	70184	268.0	188.7- 268.7	233.7	
			Average of Peak Amounts =			262.5			
2	4	4.227	4.230	-0.003	24377	249.8		100.0	M
2	5	4.420	4.420	0.000	14770	226.1	26.3- 106.3	60.6	M
2	6	4.500	4.500	0.000	52061	244.6	176.2- 256.2	213.6	M
			Average of Peak Amounts =			240.2			
						RPD = 8.89			
7 PCB-1254									M
1	1	7.260	7.260	0.000	82873	260.0		100.0	
1	2	8.167	8.163	0.004	88566	254.7	67.8- 147.8	106.9	M
1	3	8.377	8.373	0.004	150233	251.9	138.1- 218.1	181.3	M
1	4	9.183	9.180	0.003	119370	261.0	101.4- 181.4	144.0	M
1	5	9.667	9.663	0.004	157892	257.9	149.4- 229.4	190.5	
			Average of Peak Amounts =			257.1			
2	6	7.387	7.387	0.000	80637	265.1		100.0	
2	7	7.710	7.710	0.000	88910	270.4	67.8- 147.8	110.3	
2	8	8.483	8.483	0.000	123834	262.8	114.5- 194.5	153.6	
2	9	9.190	9.190	0.000	56407	275.0	27.0- 107.0	70.0	
2	10	9.803	9.807	-0.004	117038	274.2	98.9- 178.9	145.1	
			Average of Peak Amounts =			269.5			
						RPD = 4.71			

QC Flag Legend

Review Flags
M - Manually Integrated

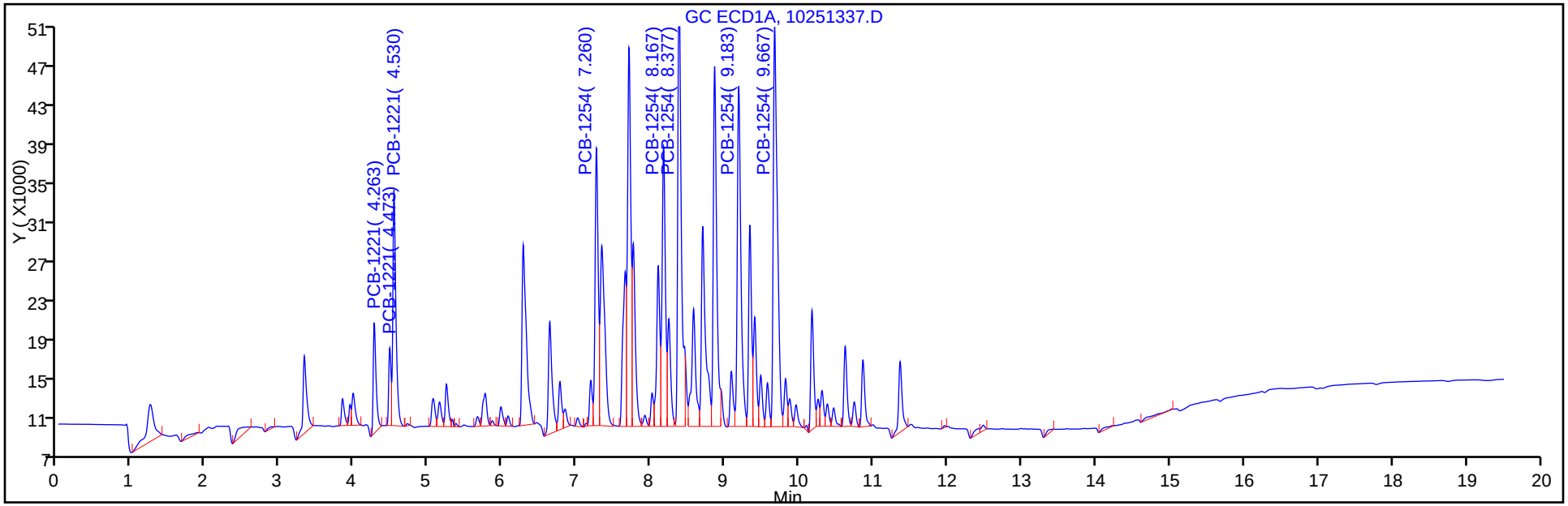
Report Date: 29-Oct-2013 12:12:57 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

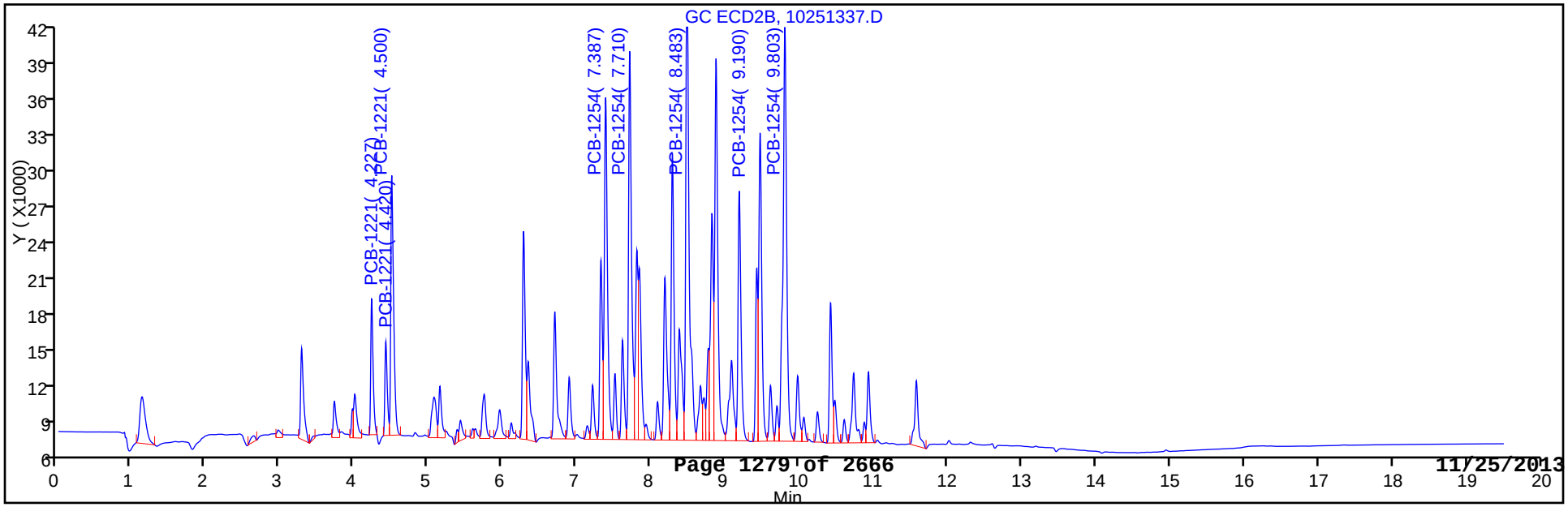
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



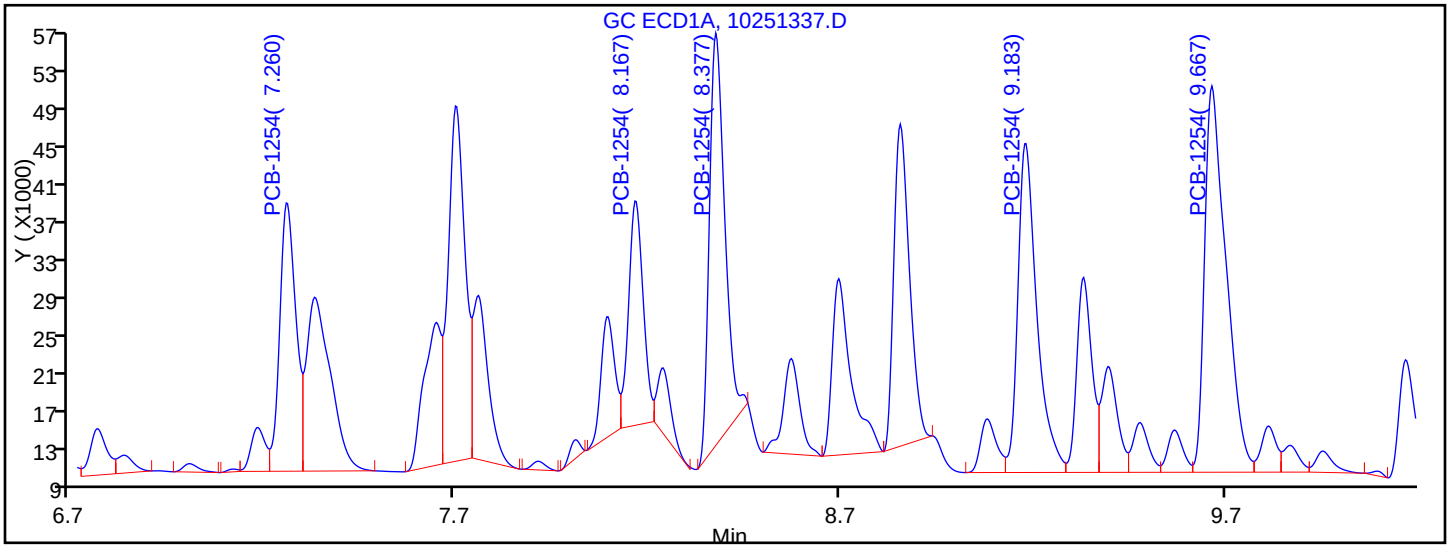
Report Date: 29-Oct-2013 12:12:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

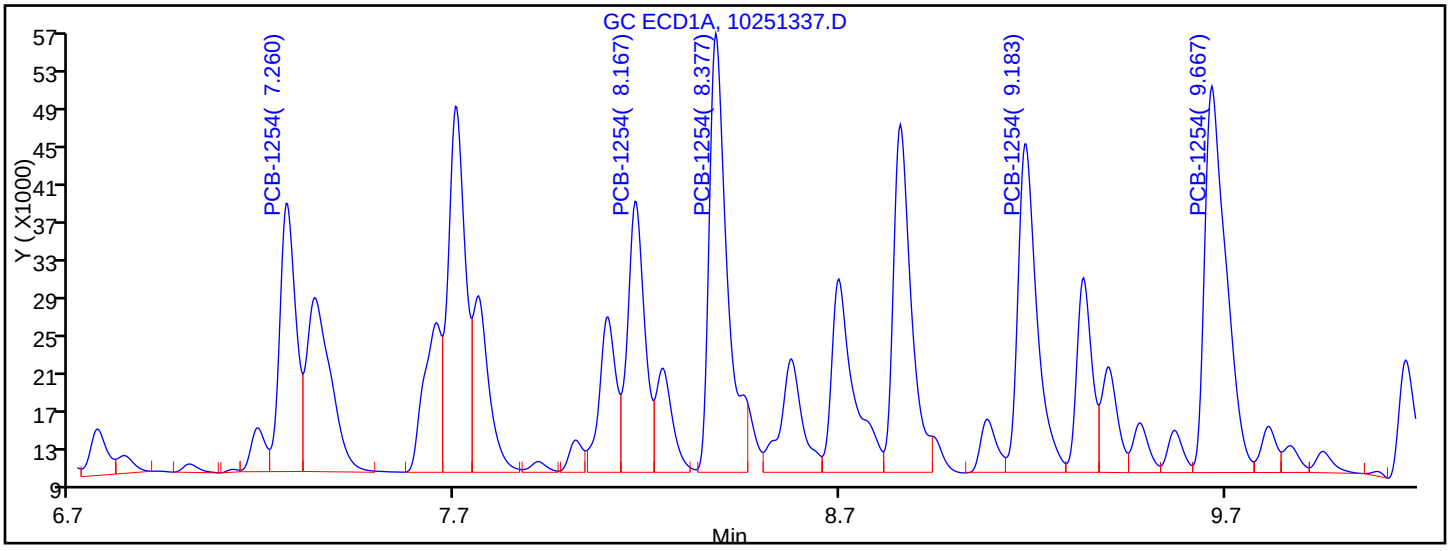
Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

7 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.260	Response = 82873	
RT = 8.167	Response = 62772	M
RT = 8.377	Response = 120799	M
RT = 9.183	Response = 119882	M
RT = 9.667	Response = 157892	



Manual Integration Results

RT = 7.260	Response = 82873	
RT = 8.167	Response = 88566	M
RT = 8.377	Response = 150233	M
RT = 9.183	Response = 119370	M
RT = 9.667	Response = 157892	

Reviewer: jacksonto, 26-Oct-2013 10:42:01

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		97508		0.250	0.250	-0.0	20.0
PCB-1221 Peak 2	Lin1		59080		0.226	0.250	-9.6	20.0
PCB-1221 Peak 3	Lin1		208244		0.245	0.250	-2.1	20.0
PCB-1254 Peak 1	Lin1		322548		0.265	0.250	6.0	20.0
PCB-1254 Peak 2	Lin1		355640		0.270	0.250	8.2	20.0
PCB-1254 Peak 3	Lin1		495336		0.263	0.250	5.1	20.0
PCB-1254 Peak 4	Lin1		225628		0.275	0.250	10.0	20.0
PCB-1254 Peak 5	Lin1		468152		0.274	0.250	9.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.23	4.19	4.27
PCB-1221 Peak 2	4.42	4.38	4.46
PCB-1221 Peak 3	4.50	4.46	4.54
PCB-1254 Peak 1	7.39	7.35	7.43
PCB-1254 Peak 2	7.71	7.67	7.75
PCB-1254 Peak 3	8.48	8.44	8.52
PCB-1254 Peak 4	9.19	9.15	9.23
PCB-1254 Peak 5	9.80	9.77	9.85

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 04:51:08 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 197868 Lims Sample ID: 37
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									M
1	1	4.263	4.260	0.003	30031	258.9		100.0	
1	2	4.473	4.470	0.003	16787	260.8	16.6- 96.6	55.9	
1	3	4.530	4.527	0.003	70184	268.0	188.7- 268.7	233.7	
			Average of Peak Amounts =			262.5			
2	4	4.227	4.230	-0.003	24377	249.8		100.0	M
2	5	4.420	4.420	0.000	14770	226.1	26.3- 106.3	60.6	M
2	6	4.500	4.500	0.000	52061	244.6	176.2- 256.2	213.6	M
			Average of Peak Amounts =			240.2			
						RPD = 8.89			
7 PCB-1254									M
1	1	7.260	7.260	0.000	82873	260.0		100.0	
1	2	8.167	8.163	0.004	88566	254.7	67.8- 147.8	106.9	M
1	3	8.377	8.373	0.004	150233	251.9	138.1- 218.1	181.3	M
1	4	9.183	9.180	0.003	119370	261.0	101.4- 181.4	144.0	M
1	5	9.667	9.663	0.004	157892	257.9	149.4- 229.4	190.5	
			Average of Peak Amounts =			257.1			
2	6	7.387	7.387	0.000	80637	265.1		100.0	
2	7	7.710	7.710	0.000	88910	270.4	67.8- 147.8	110.3	
2	8	8.483	8.483	0.000	123834	262.8	114.5- 194.5	153.6	
2	9	9.190	9.190	0.000	56407	275.0	27.0- 107.0	70.0	
2	10	9.803	9.807	-0.004	117038	274.2	98.9- 178.9	145.1	
			Average of Peak Amounts =			269.5			
						RPD = 4.71			

QC Flag Legend

Review Flags
M - Manually Integrated

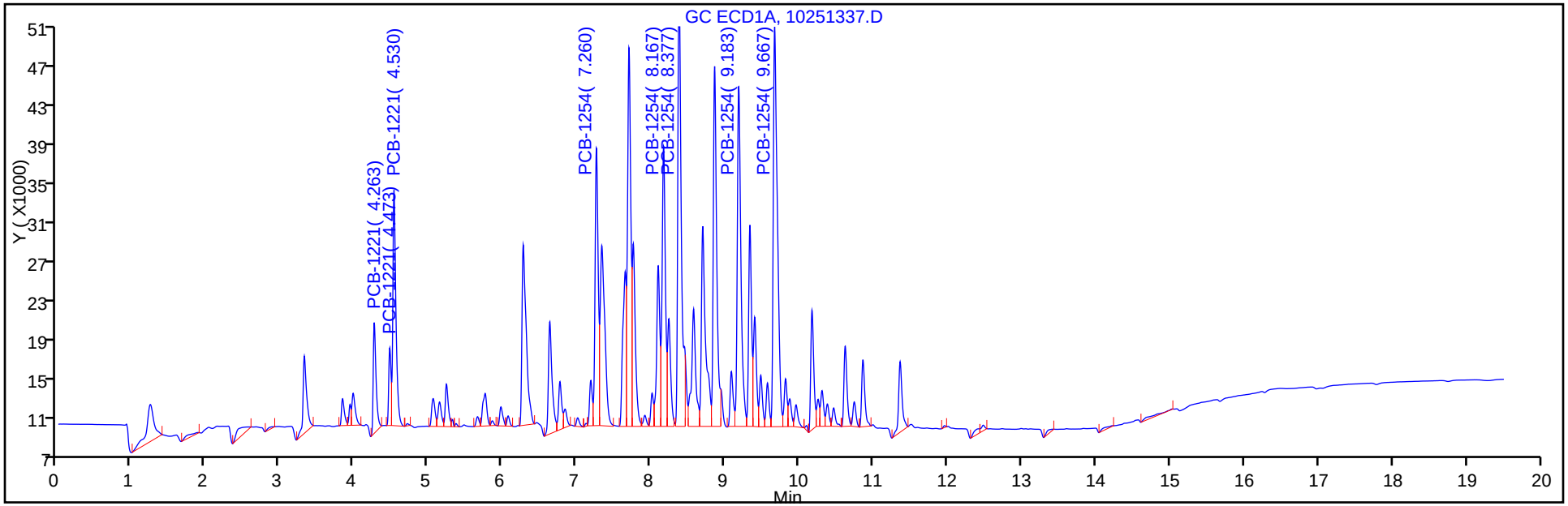
Report Date: 29-Oct-2013 12:12:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

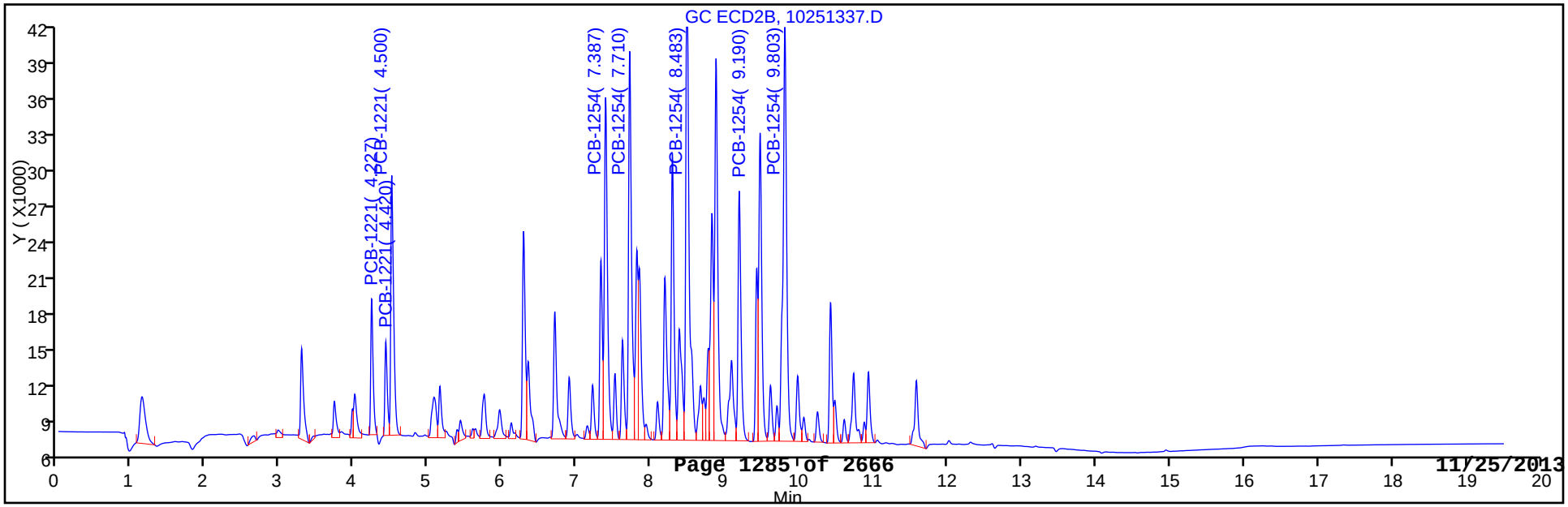
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



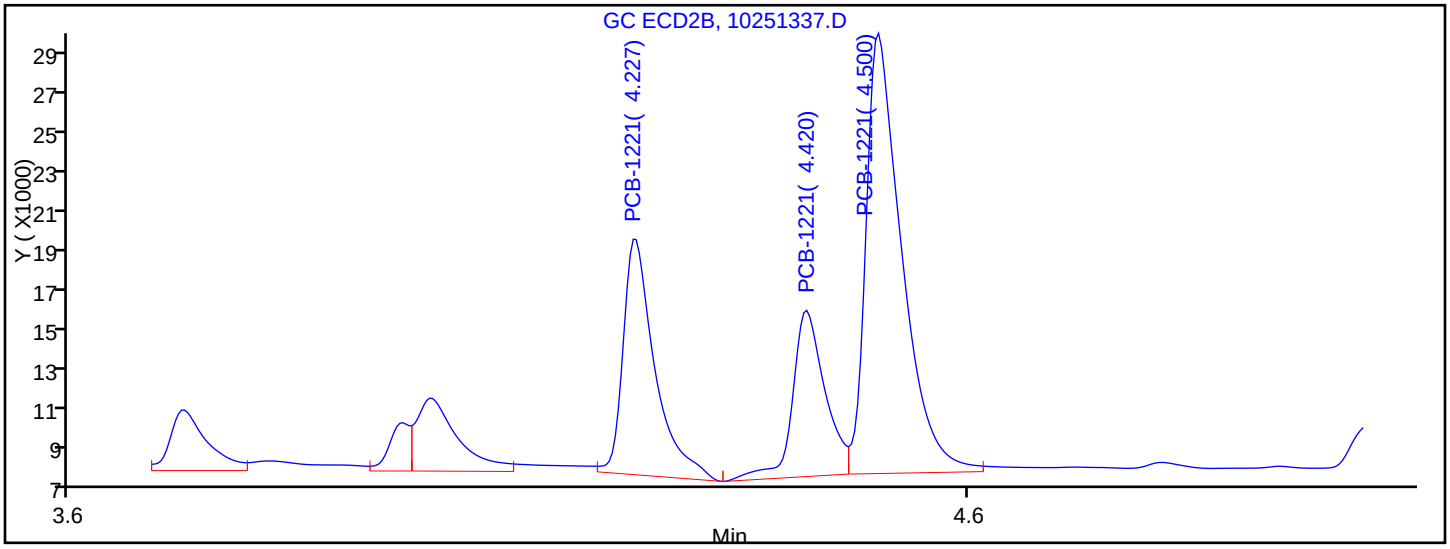
Report Date: 29-Oct-2013 12:12:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

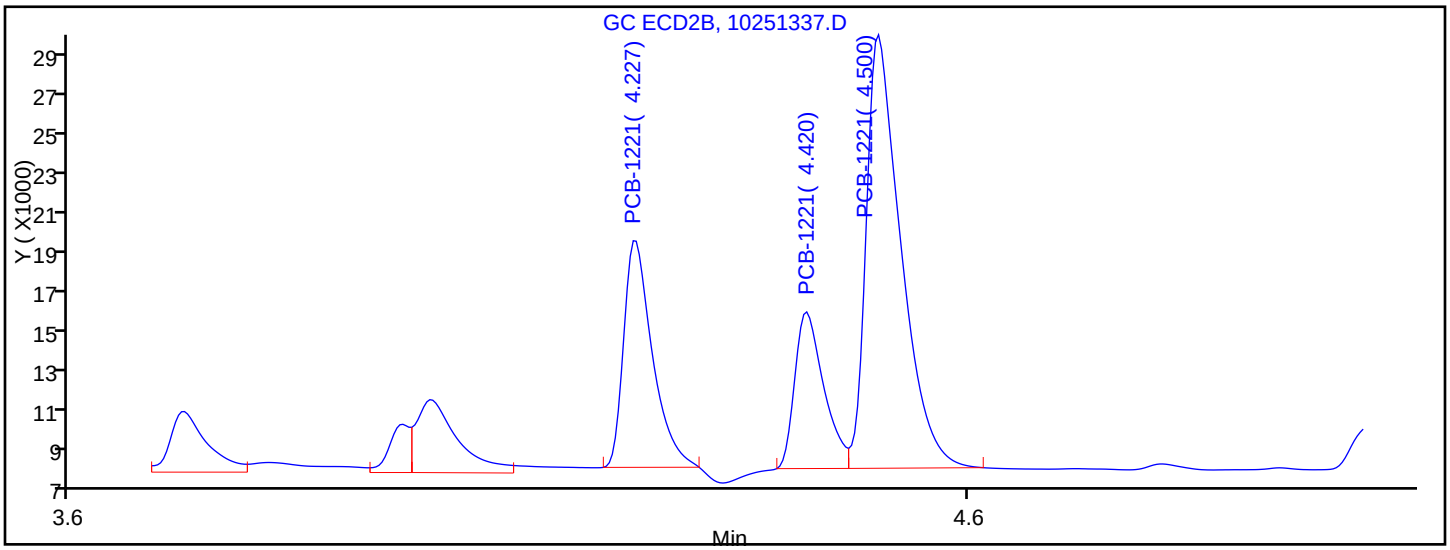
Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

2 PCB-1221, Detector: 2, GC ECD2B



Processing Integration Results

RT = 4.227	Response = 28040	M
RT = 4.420	Response = 20318	M
RT = 4.500	Response = 59149	M



Manual Integration Results

RT = 4.227	Response = 24377	M
RT = 4.420	Response = 14770	M
RT = 4.500	Response = 52061	M

Reviewer: jacksonto, 26-Oct-2013 10:42:01

Audit Action: Manually Integrated

Audit Reason: Instrument noise

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		424068		0.265	0.250	6.0	20.0
PCB-1016 Peak 2	Lin1		749532		0.255	0.250	2.1	20.0
PCB-1016 Peak 3	Lin1		337052		0.261	0.250	4.2	20.0
PCB-1016 Peak 4	Lin1		212384		0.248	0.250	-0.7	20.0
PCB-1016 Peak 5	Lin1		363088		0.255	0.250	2.0	20.0
PCB-1260 Peak 1	Lin1		516668		0.266	0.250	6.3	20.0
PCB-1260 Peak 2	Lin1		818376		0.260	0.250	4.0	20.0
PCB-1260 Peak 3	Lin1		404960		0.264	0.250	5.8	20.0
PCB-1260 Peak 4	Lin1		894232		0.263	0.250	5.0	20.0
PCB-1260 Peak 5	Lin1		447908		0.246	0.250	-1.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.05	5.02	5.10
PCB-1016 Peak 2	5.76	5.72	5.80
PCB-1016 Peak 3	5.97	5.93	6.01
PCB-1016 Peak 4	6.07	6.03	6.11
PCB-1016 Peak 5	6.63	6.59	6.67
PCB-1260 Peak 1	8.69	8.66	8.74
PCB-1260 Peak 2	9.66	9.62	9.70
PCB-1260 Peak 3	10.30	10.26	10.34
PCB-1260 Peak 4	10.85	10.81	10.89
PCB-1260 Peak 5	11.36	11.32	11.40

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:14:19 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 197868 Lims Sample ID: 38
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
5 PCB-1016									M
1	1	5.053	5.057	-0.004	106017	265.1		100.0	
1	2	5.757	5.760	-0.003	187383	255.3	144.0- 224.0	176.7	M
1	3	5.970	5.970	0.000	84263	260.5	42.1- 122.1	79.5	M
1	4	6.067	6.067	0.000	53096	248.2	14.1- 94.1	50.1	M
1	5	6.630	6.633	-0.003	90772	255.1	48.4- 128.4	85.6	M
			Average of Peak Amounts =			256.8			
2	6	4.500	4.500	0.000	40404	258.7		100.0	
2	7	5.077	5.080	-0.003	88262	268.1	168.4- 248.4	218.4	
2	8	5.747	5.750	-0.003	147117	257.7	317.6- 397.6	364.1	
2	9	5.953	5.957	-0.004	70838	260.8	127.5- 207.5	175.3	
2	10	6.277	6.280	-0.003	37995	268.3	47.1- 127.1	94.0	
			Average of Peak Amounts =			262.7			
						RPD = 2.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	129167	265.7		100.0	M
1	2	9.663	9.663	0.000	204594	260.1	125.9- 205.9	158.4	M
1	3	10.303	10.303	0.000	101240	264.4	43.2- 123.2	78.4	M
1	4	10.853	10.853	0.000	223558	262.6	144.8- 224.8	173.1	M
1	5	11.357	11.357	0.000	111977	246.1	54.9- 134.9	86.7	
			Average of Peak Amounts =			259.8			
2	6	8.820	8.823	-0.003	96656	258.4		100.0	
2	7	9.187	9.187	0.000	104129	258.8	67.1- 147.1	107.7	
2	8	9.967	9.967	0.000	66667	257.2	29.7- 109.7	69.0	
2	9	10.480	10.480	0.000	71939	254.7	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	142376	255.1	108.5- 188.5	147.3	
			Average of Peak Amounts =			256.8			
						RPD = 1.14			

QC Flag Legend

Review Flags
M - Manually Integrated

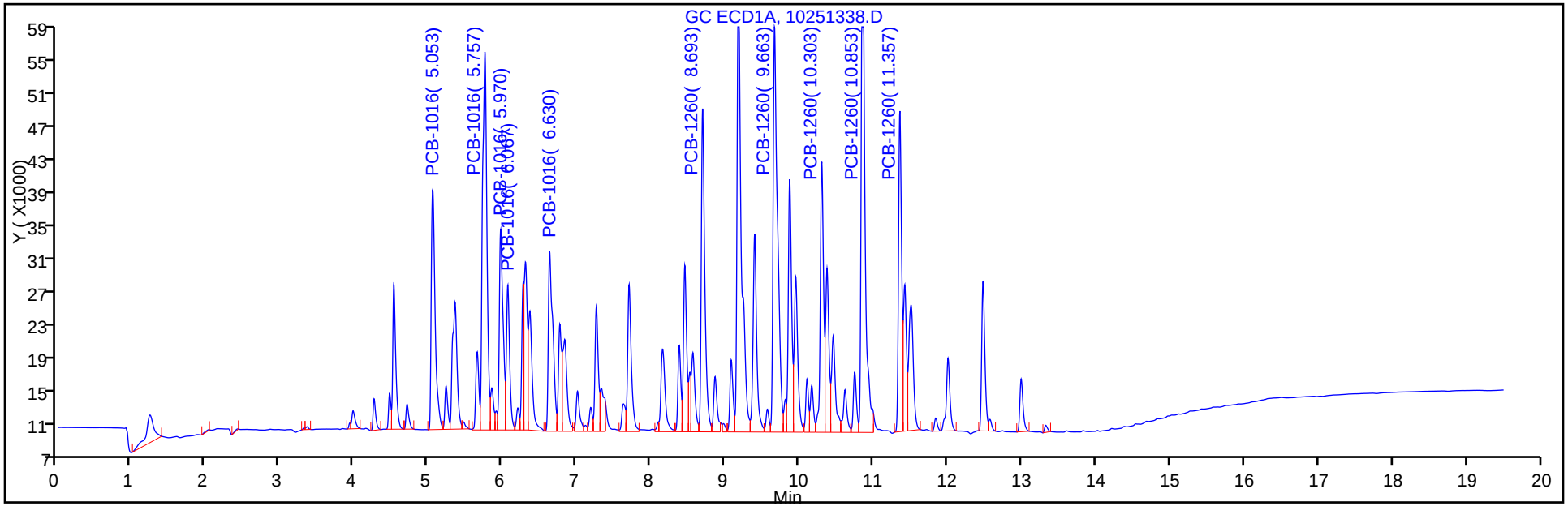
Report Date: 29-Oct-2013 12:12:55 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

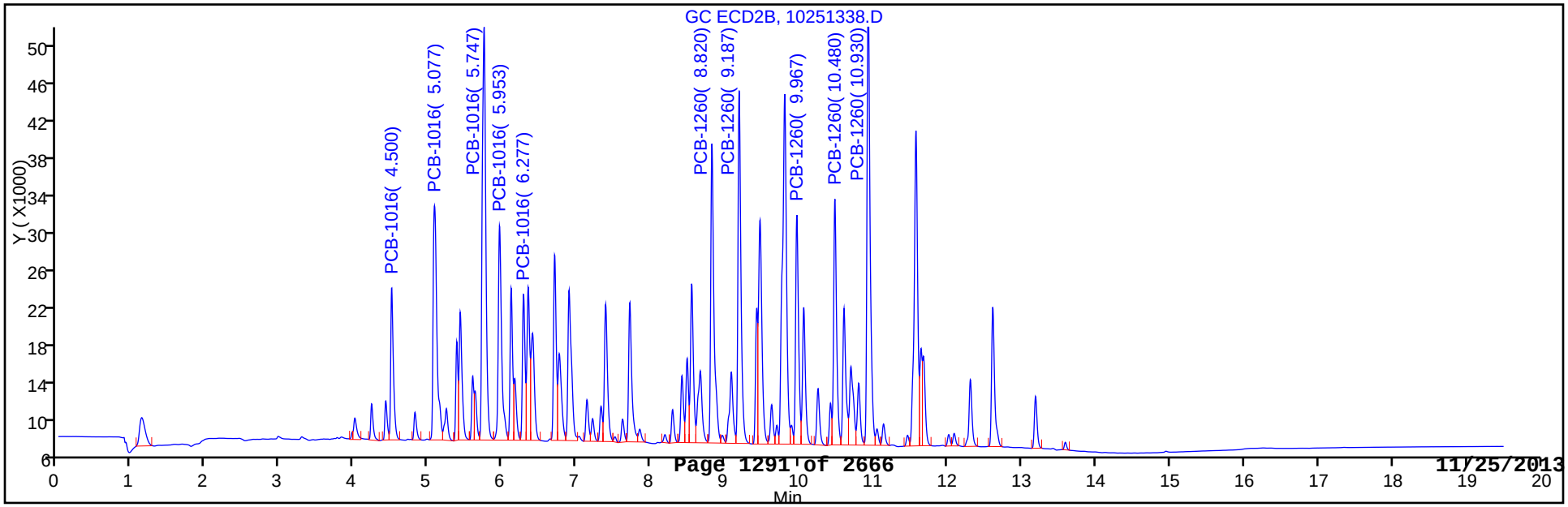
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D

Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



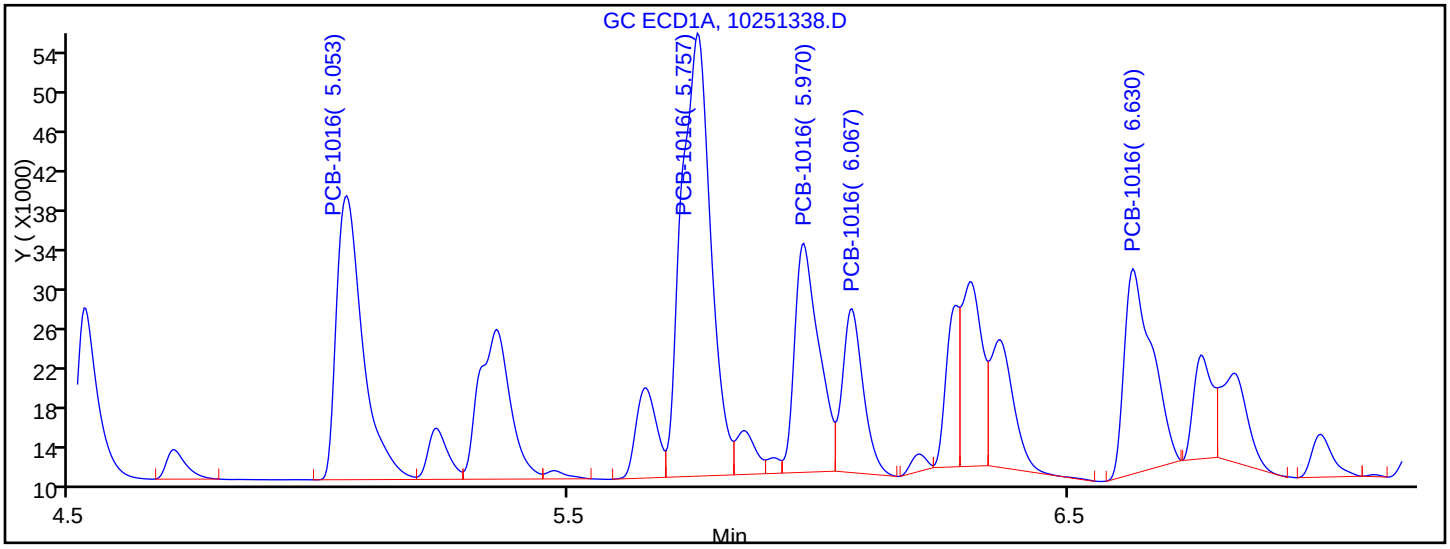
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D

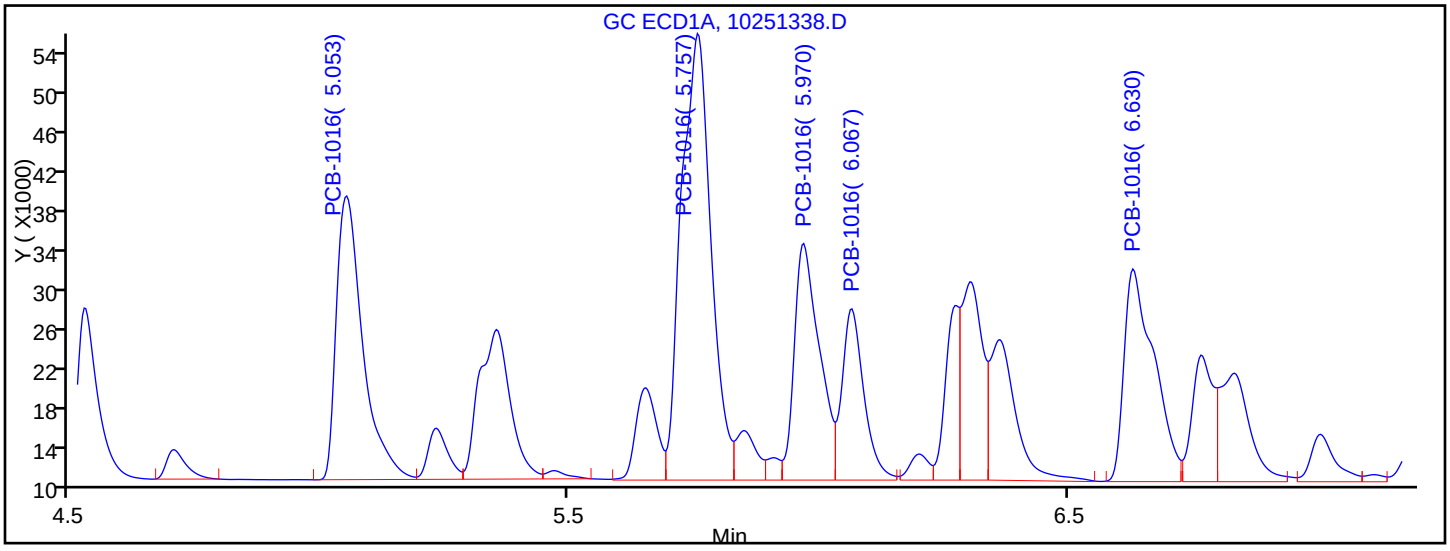
Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

5 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.053	Response = 106017	
RT = 5.757	Response = 184021	M
RT = 5.970	Response = 79089	M
RT = 6.067	Response = 48371	M
RT = 6.630	Response = 81016	M



Manual Integration Results

RT = 5.053	Response = 106017	
RT = 5.757	Response = 187383	M
RT = 5.970	Response = 84263	M
RT = 6.067	Response = 53096	M
RT = 6.630	Response = 90772	M

Reviewer: jacksonto, 26-Oct-2013 10:42:49

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

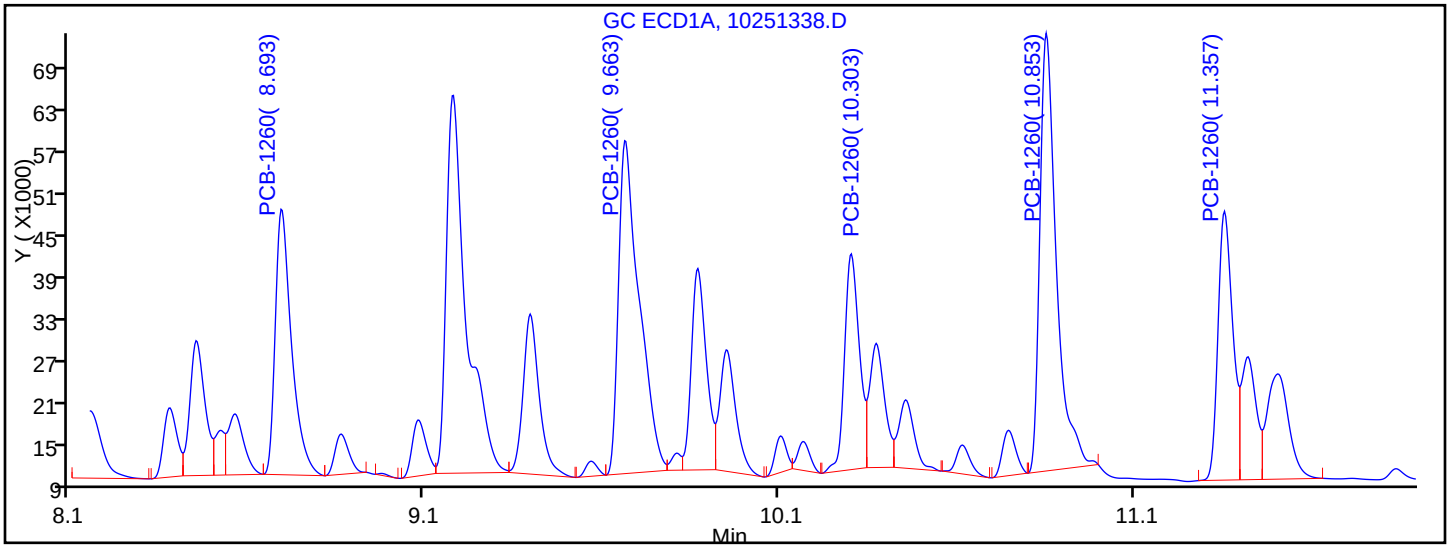
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D

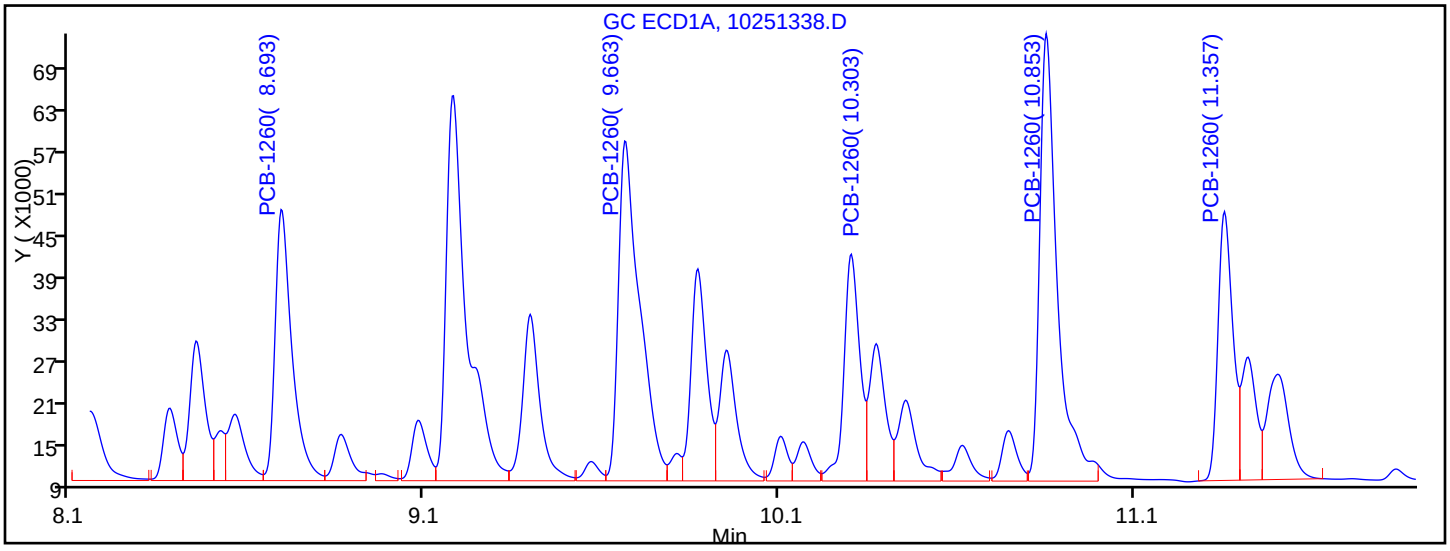
Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

9 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.693	Response = 121310	M
RT = 9.663	Response = 193013	M
RT = 10.303	Response = 90201	M
RT = 10.853	Response = 203439	M
RT = 11.357	Response = 111977	



Manual Integration Results

RT = 8.693	Response = 129167	M
RT = 9.663	Response = 204594	M
RT = 10.303	Response = 101240	M
RT = 10.853	Response = 223558	M
RT = 11.357	Response = 111977	

Reviewer: jacksonto, 26-Oct-2013 10:42:49

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		161616		0.259	0.250	3.5	20.0
PCB-1016 Peak 2	Lin1		353048		0.268	0.250	7.2	20.0
PCB-1016 Peak 3	Lin1		588468		0.258	0.250	3.1	20.0
PCB-1016 Peak 4	Lin1		283352		0.261	0.250	4.3	20.0
PCB-1016 Peak 5	Lin1		151980		0.268	0.250	7.3	20.0
PCB-1260 Peak 1	Lin1		386624		0.258	0.250	3.4	20.0
PCB-1260 Peak 2	Lin1		416516		0.259	0.250	3.5	20.0
PCB-1260 Peak 3	Lin1		266668		0.257	0.250	2.9	20.0
PCB-1260 Peak 4	Lin1		287756		0.255	0.250	1.9	20.0
PCB-1260 Peak 5	Lin1		569504		0.255	0.250	2.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.50	4.46	4.54
PCB-1016 Peak 2	5.08	5.04	5.12
PCB-1016 Peak 3	5.75	5.71	5.79
PCB-1016 Peak 4	5.95	5.92	6.00
PCB-1016 Peak 5	6.28	6.24	6.32
PCB-1260 Peak 1	8.82	8.78	8.86
PCB-1260 Peak 2	9.19	9.15	9.23
PCB-1260 Peak 3	9.97	9.93	10.01
PCB-1260 Peak 4	10.48	10.44	10.52
PCB-1260 Peak 5	10.93	10.89	10.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:14:19 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 197868 Lims Sample ID: 38
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
5 PCB-1016									M
1	1	5.053	5.057	-0.004	106017	265.1		100.0	
1	2	5.757	5.760	-0.003	187383	255.3	144.0- 224.0	176.7	M
1	3	5.970	5.970	0.000	84263	260.5	42.1- 122.1	79.5	M
1	4	6.067	6.067	0.000	53096	248.2	14.1- 94.1	50.1	M
1	5	6.630	6.633	-0.003	90772	255.1	48.4- 128.4	85.6	M
			Average of Peak Amounts =			256.8			
2	6	4.500	4.500	0.000	40404	258.7		100.0	
2	7	5.077	5.080	-0.003	88262	268.1	168.4- 248.4	218.4	
2	8	5.747	5.750	-0.003	147117	257.7	317.6- 397.6	364.1	
2	9	5.953	5.957	-0.004	70838	260.8	127.5- 207.5	175.3	
2	10	6.277	6.280	-0.003	37995	268.3	47.1- 127.1	94.0	
			Average of Peak Amounts =			262.7			
						RPD = 2.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	129167	265.7		100.0	M
1	2	9.663	9.663	0.000	204594	260.1	125.9- 205.9	158.4	M
1	3	10.303	10.303	0.000	101240	264.4	43.2- 123.2	78.4	M
1	4	10.853	10.853	0.000	223558	262.6	144.8- 224.8	173.1	M
1	5	11.357	11.357	0.000	111977	246.1	54.9- 134.9	86.7	
			Average of Peak Amounts =			259.8			
2	6	8.820	8.823	-0.003	96656	258.4		100.0	
2	7	9.187	9.187	0.000	104129	258.8	67.1- 147.1	107.7	
2	8	9.967	9.967	0.000	66667	257.2	29.7- 109.7	69.0	
2	9	10.480	10.480	0.000	71939	254.7	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	142376	255.1	108.5- 188.5	147.3	
			Average of Peak Amounts =			256.8			
						RPD = 1.14			

QC Flag Legend

Review Flags
M - Manually Integrated

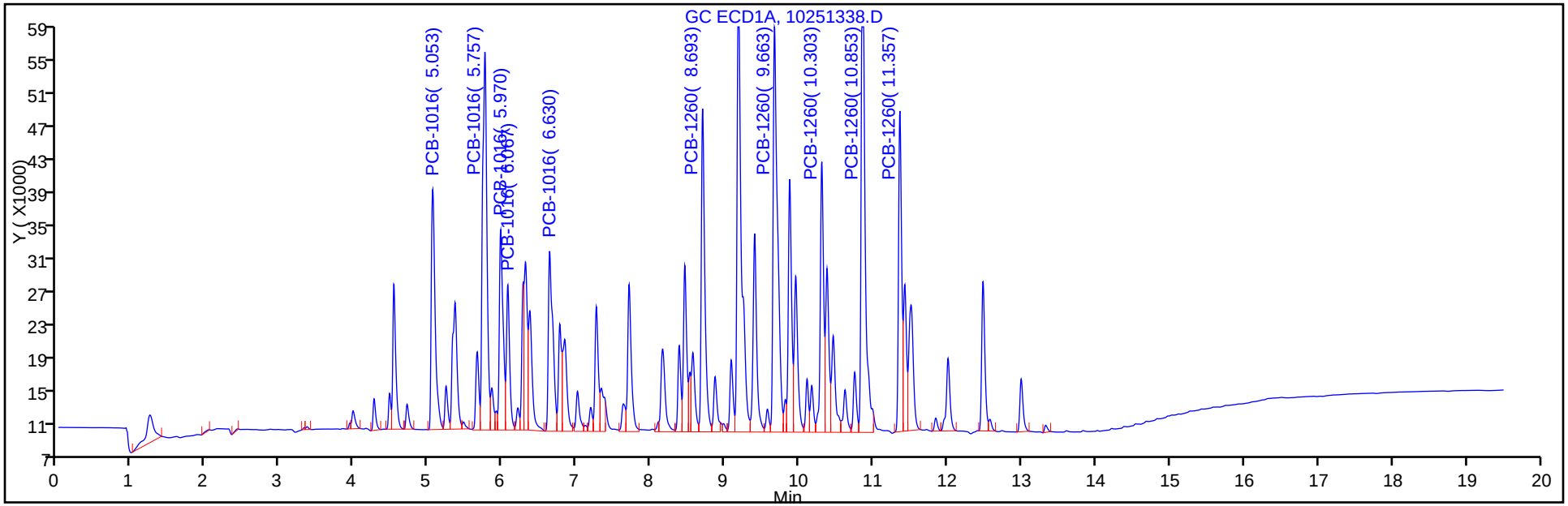
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TestAmerica Denver

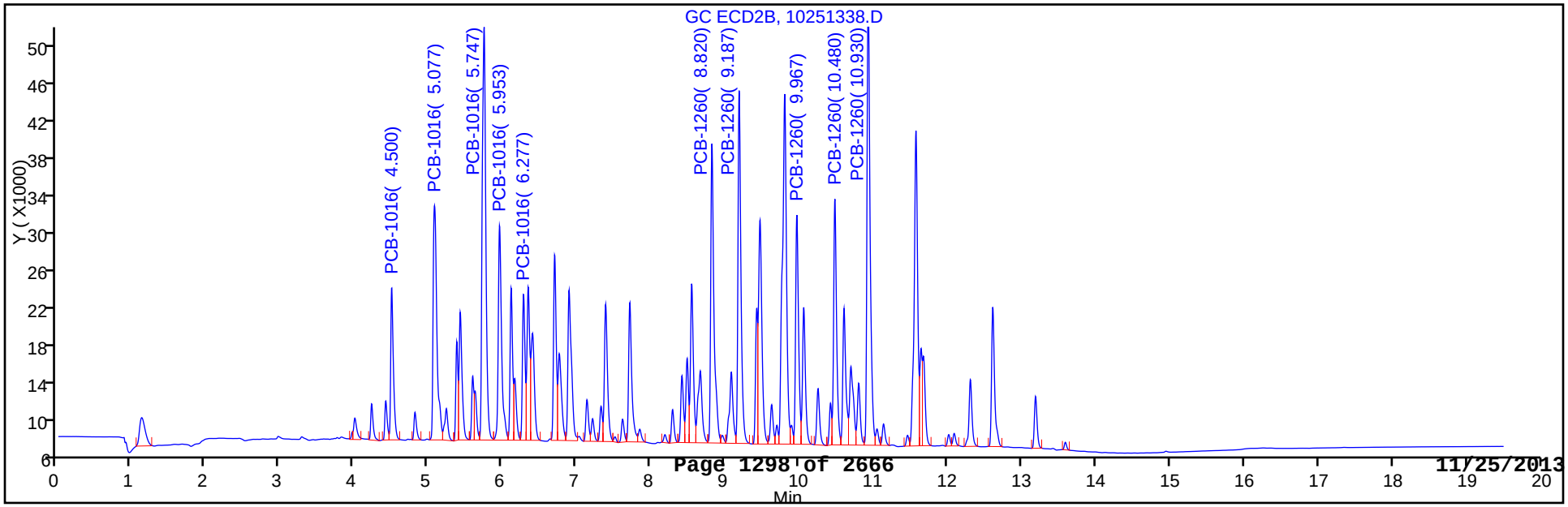
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Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		77760		0.232	0.250	-7.3	20.0
PCB-1232 Peak 2	Lin1		232932		0.257	0.250	2.8	20.0
PCB-1232 Peak 3	Lin1		377704		0.262	0.250	4.9	20.0
PCB-1232 Peak 4	Lin1		174424		0.274	0.250	9.7	20.0
PCB-1232 Peak 5	Lin1		191924		0.270	0.250	8.2	20.0
PCB-1262 Peak 1	Lin1		409612		0.259	0.250	3.7	20.0
PCB-1262 Peak 2	Lin1		563772		0.247	0.250	-1.0	20.0
PCB-1262 Peak 3	Lin1		509856		0.250	0.250	0.0	20.0
PCB-1262 Peak 4	Lin1		1134208		0.262	0.250	4.7	20.0
PCB-1262 Peak 5	Lin1		440428		0.255	0.250	2.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.26	4.22	4.30
PCB-1232 Peak 2	4.53	4.49	4.57
PCB-1232 Peak 3	5.76	5.72	5.80
PCB-1232 Peak 4	5.97	5.93	6.01
PCB-1232 Peak 5	6.63	6.59	6.67
PCB-1262 Peak 1	8.70	8.65	8.73
PCB-1262 Peak 2	9.87	9.83	9.91
PCB-1262 Peak 3	10.30	10.26	10.34
PCB-1262 Peak 4	10.85	10.81	10.89
PCB-1262 Peak 5	11.42	11.38	11.46

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:37:42 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 197868 Lims Sample ID: 39
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:43:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									M
1	1	4.263	4.260	0.003	19440	231.7		100.0	
1	2	4.530	4.527	0.003	58233	256.9	237.7- 317.7	299.6	
1	3	5.760	5.760	0.000	94426	262.2	402.9- 482.9	485.7	M
1	4	5.970	5.970	0.000	43606	274.2	157.3- 237.3	224.3	M
1	5	6.633	6.630	0.003	47981	270.4	173.0- 253.0	246.8	
			Average of Peak Amounts =			259.1			
2	6	4.227	4.227	0.000	17398	241.2		100.0	
2	7	4.497	4.497	0.000	47599	257.7	216.5- 296.5	273.6	
2	8	5.747	5.747	0.000	75143	263.4	357.2- 437.2	431.9	
2	9	5.953	5.953	0.000	37431	278.3	148.5- 228.5	215.1	
2	10	6.893	6.893	0.000	30306	295.5	102.6- 182.6	174.2	
			Average of Peak Amounts =			267.2			
						RPD = 3.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.697	8.693	0.004	102403	259.2		100.0	
1	2	9.870	9.867	0.003	140943	247.4	106.2- 186.2	137.6	
1	3	10.300	10.300	0.000	127464	250.1	92.0- 172.0	124.5	
1	4	10.853	10.850	0.003	283552	261.7	243.0- 323.0	276.9	
1	5	11.423	11.420	0.003	110107	255.3	69.9- 149.9	107.5	
			Average of Peak Amounts =			254.7			
2	6	8.820	8.820	0.000	83631	271.8		100.0	
2	7	9.187	9.187	0.000	87279	273.9	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	99836	250.3	90.4- 170.4	119.4	
2	9	10.477	10.477	0.000	94717	251.8	83.7- 163.7	113.3	
2	10	10.927	10.927	0.000	179852	265.9	182.5- 262.5	215.1	
			Average of Peak Amounts =			262.8			
						RPD = 3.10			

QC Flag Legend

Review Flags
M - Manually Integrated

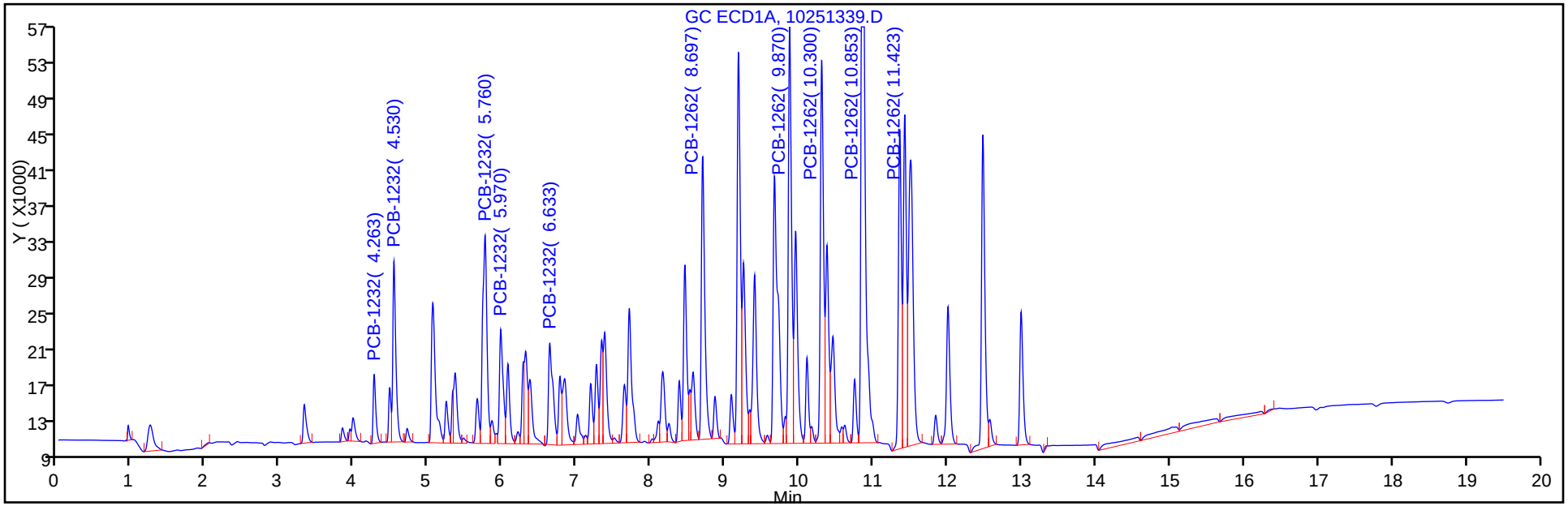
Report Date: 29-Oct-2013 12:12:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

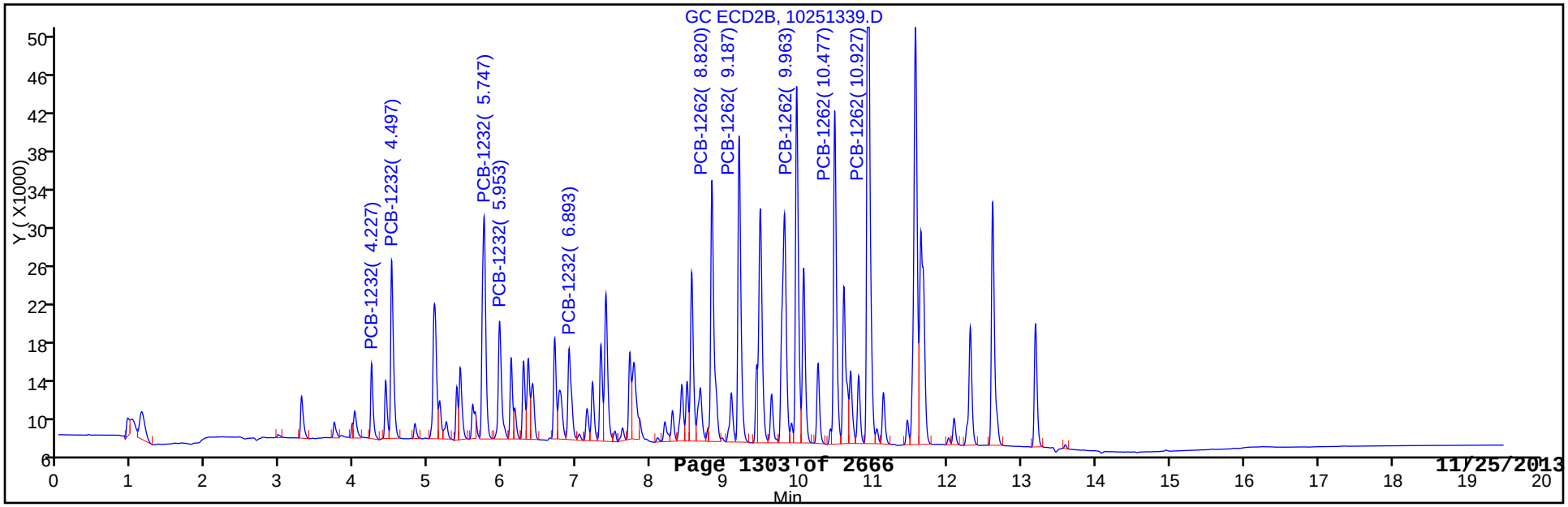
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D

Injection Date:	26-Oct-2013 05:37:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	39
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



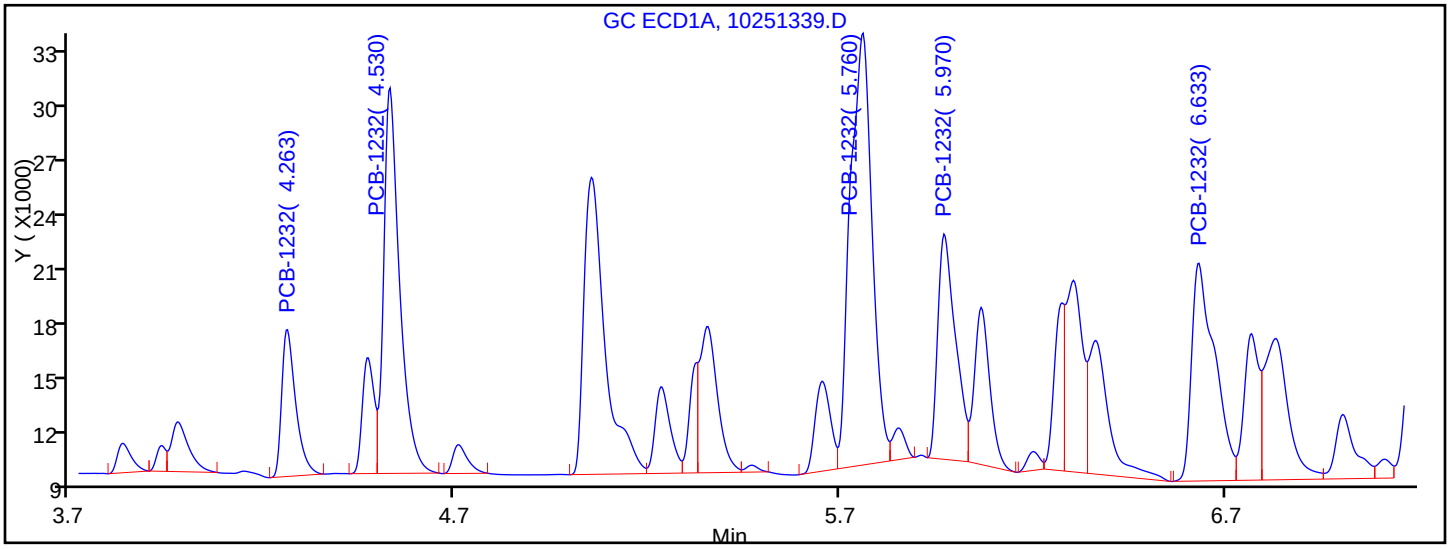
Report Date: 29-Oct-2013 12:12:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D

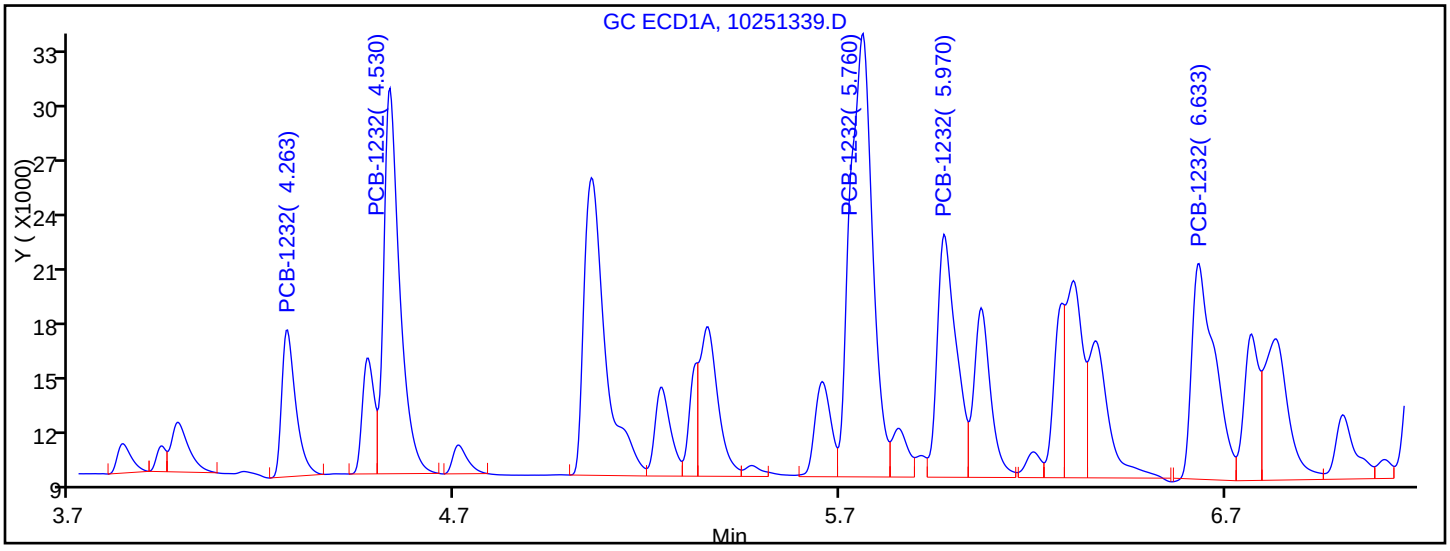
Injection Date:	26-Oct-2013 05:37:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	39
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

3 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 4.263	Response = 19440	
RT = 4.530	Response = 58233	
RT = 5.760	Response = 89411	M
RT = 5.970	Response = 37840	M
RT = 6.633	Response = 47981	



Manual Integration Results

RT = 4.263	Response = 19440	
RT = 4.530	Response = 58233	
RT = 5.760	Response = 94426	M
RT = 5.970	Response = 43606	M
RT = 6.633	Response = 47981	

Reviewer: jacksonto, 26-Oct-2013 10:43:09

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		69592		0.241	0.250	-3.5	20.0
PCB-1232 Peak 2	Lin1		190396		0.258	0.250	3.1	20.0
PCB-1232 Peak 3	Lin1		300572		0.263	0.250	5.4	20.0
PCB-1232 Peak 4	Lin1		149724		0.278	0.250	11.3	20.0
PCB-1232 Peak 5	Lin1		121224		0.296	0.250	18.2	20.0
PCB-1262 Peak 1	Lin1		334524		0.272	0.250	8.7	20.0
PCB-1262 Peak 2	Lin1		349116		0.274	0.250	9.6	20.0
PCB-1262 Peak 3	Lin1		399344		0.250	0.250	0.1	20.0
PCB-1262 Peak 4	Lin1		378868		0.252	0.250	0.7	20.0
PCB-1262 Peak 5	Lin1		719408		0.266	0.250	6.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.23	4.19	4.27
PCB-1232 Peak 2	4.50	4.46	4.54
PCB-1232 Peak 3	5.75	5.71	5.79
PCB-1232 Peak 4	5.95	5.91	5.99
PCB-1232 Peak 5	6.89	6.85	6.93
PCB-1262 Peak 1	8.82	8.78	8.86
PCB-1262 Peak 2	9.19	9.15	9.23
PCB-1262 Peak 3	9.96	9.92	10.00
PCB-1262 Peak 4	10.48	10.44	10.52
PCB-1262 Peak 5	10.93	10.89	10.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:37:42 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 197868 Lims Sample ID: 39
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:43:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									M
1	1	4.263	4.260	0.003	19440	231.7		100.0	
1	2	4.530	4.527	0.003	58233	256.9	237.7- 317.7	299.6	
1	3	5.760	5.760	0.000	94426	262.2	402.9- 482.9	485.7	M
1	4	5.970	5.970	0.000	43606	274.2	157.3- 237.3	224.3	M
1	5	6.633	6.630	0.003	47981	270.4	173.0- 253.0	246.8	
			Average of Peak Amounts =			259.1			
2	6	4.227	4.227	0.000	17398	241.2		100.0	
2	7	4.497	4.497	0.000	47599	257.7	216.5- 296.5	273.6	
2	8	5.747	5.747	0.000	75143	263.4	357.2- 437.2	431.9	
2	9	5.953	5.953	0.000	37431	278.3	148.5- 228.5	215.1	
2	10	6.893	6.893	0.000	30306	295.5	102.6- 182.6	174.2	
			Average of Peak Amounts =			267.2			
						RPD = 3.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.697	8.693	0.004	102403	259.2		100.0	
1	2	9.870	9.867	0.003	140943	247.4	106.2- 186.2	137.6	
1	3	10.300	10.300	0.000	127464	250.1	92.0- 172.0	124.5	
1	4	10.853	10.850	0.003	283552	261.7	243.0- 323.0	276.9	
1	5	11.423	11.420	0.003	110107	255.3	69.9- 149.9	107.5	
			Average of Peak Amounts =			254.7			
2	6	8.820	8.820	0.000	83631	271.8		100.0	
2	7	9.187	9.187	0.000	87279	273.9	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	99836	250.3	90.4- 170.4	119.4	
2	9	10.477	10.477	0.000	94717	251.8	83.7- 163.7	113.3	
2	10	10.927	10.927	0.000	179852	265.9	182.5- 262.5	215.1	
			Average of Peak Amounts =			262.8			
						RPD = 3.10			

QC Flag Legend

Review Flags
M - Manually Integrated

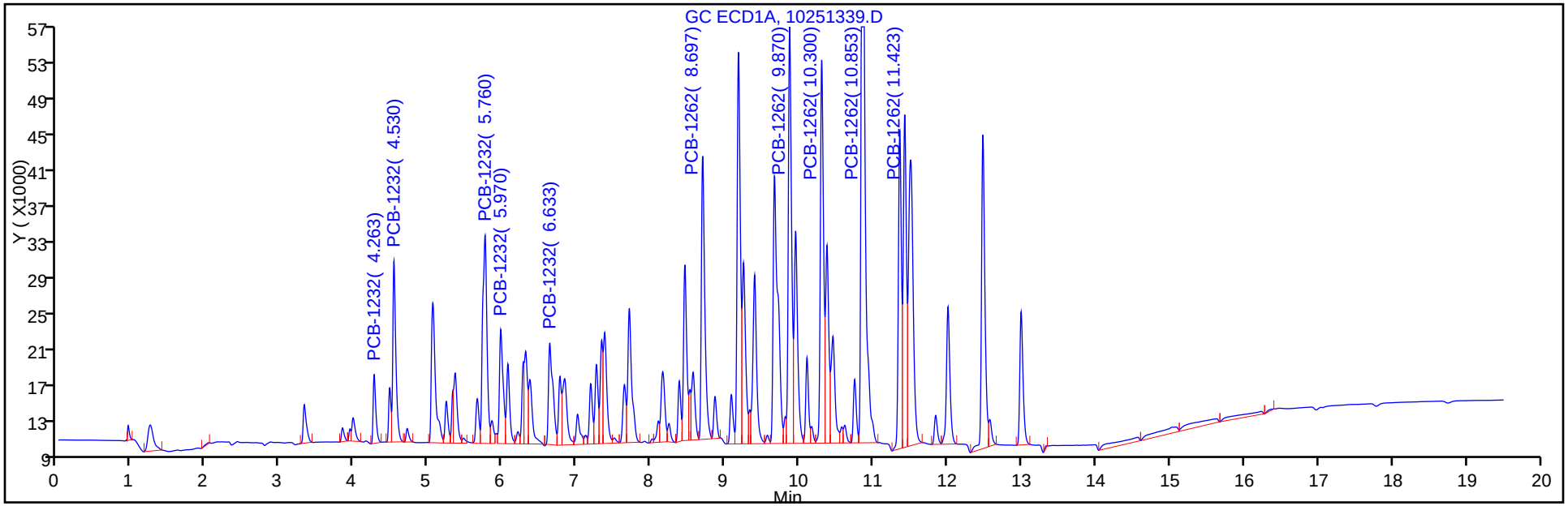
Report Date: 29-Oct-2013 12:12:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

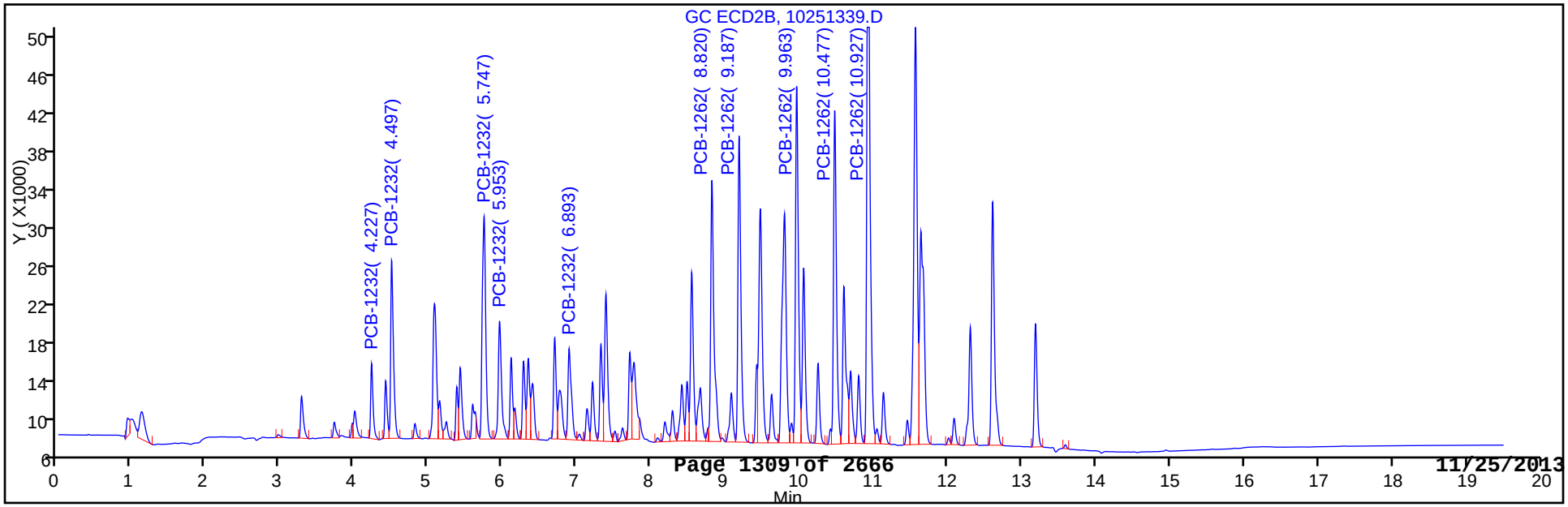
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D

Injection Date:	26-Oct-2013 05:37:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	39
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		168216		0.258	0.250	3.1	20.0
PCB-1242 Peak 2	Lin1		349384		0.264	0.250	5.6	20.0
PCB-1242 Peak 3	Lin1		603316		0.255	0.250	2.0	20.0
PCB-1242 Peak 4	Lin1		277788		0.266	0.250	6.3	20.0
PCB-1242 Peak 5	Lin1		322080		0.265	0.250	6.0	20.0
PCB-1268 Peak 1	Lin1		1069124		0.000600	0.250	6.7	20.0
PCB-1268 Peak 2	Lin1		1273932		0.000600	0.250	6.5	20.0
PCB-1268 Peak 3	Lin1		1053288		0.000600	0.250	14.3	20.0
PCB-1268 Peak 4	Lin1		302716		0.000600	0.250	1.6	20.0
PCB-1268 Peak 5	Lin1		2363520		0.000600	0.250	-2.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.53	4.49	4.57
PCB-1242 Peak 2	5.05	5.01	5.09
PCB-1242 Peak 3	5.76	5.72	5.80
PCB-1242 Peak 4	5.97	5.93	6.01
PCB-1242 Peak 5	6.63	6.59	6.67
PCB-1268 Peak 1	11.42	11.38	11.46
PCB-1268 Peak 2	11.49	11.45	11.53
PCB-1268 Peak 3	11.84	11.79	11.87
PCB-1268 Peak 4	11.99	11.94	12.02
PCB-1268 Peak 5	12.99	12.94	13.02

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 06:01:03 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 197868 Lims Sample ID: 40
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 29-Oct-2013 12:10:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	42054	257.7		100.0	
1	2	5.053	5.050	0.003	87346	264.1	161.6- 241.6	207.7	
1	3	5.760	5.757	0.003	150829	254.9	323.5- 403.5	358.7	
1	4	5.970	5.967	0.003	69447	265.8	122.2- 202.2	165.1	
1	5	6.630	6.627	0.003	80520	265.1	141.9- 221.9	191.5	
			Average of Peak Amounts =			261.5			
2	6	4.497	4.500	-0.003	34424	259.1		100.0	
2	7	5.747	5.747	0.000	118285	255.3	312.9- 392.9	343.6	
2	8	5.953	5.953	0.000	57147	256.4	129.8- 209.8	166.0	
2	9	6.700	6.697	0.003	41490	255.0	81.4- 161.4	120.5	
2	10	6.893	6.893	0.000	50051	253.8	109.6- 189.6	145.4	
			Average of Peak Amounts =			255.9			
						RPD = 2.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.420	11.417	0.003	267281	266.7		100.0	
1	2	11.487	11.487	0.000	318483	266.1	80.4- 160.4	119.2	
1	3	11.837	11.833	0.004	263322	285.8	53.0- 133.0	98.5	
1	4	11.987	11.983	0.004	75679	254.1	0.0- 70.0	28.3	
1	5	12.990	12.983	0.007	590880	243.2	201.5- 281.5	221.1	
			Average of Peak Amounts =			263.2			
2	6	11.560	11.557	0.003	199546	271.6		100.0	
2	7	11.640	11.637	0.003	195413	251.3	66.5- 146.5	97.9	
2	8	12.087	12.083	0.004	183243	290.5	46.6- 126.6	91.8	
2	9	12.263	12.260	0.003	54401	260.4	0.0- 68.5	27.3	
2	10	13.183	13.180	0.003	397761	242.5	181.0- 261.0	199.3	
			Average of Peak Amounts =			263.3			
						RPD = 0.03			

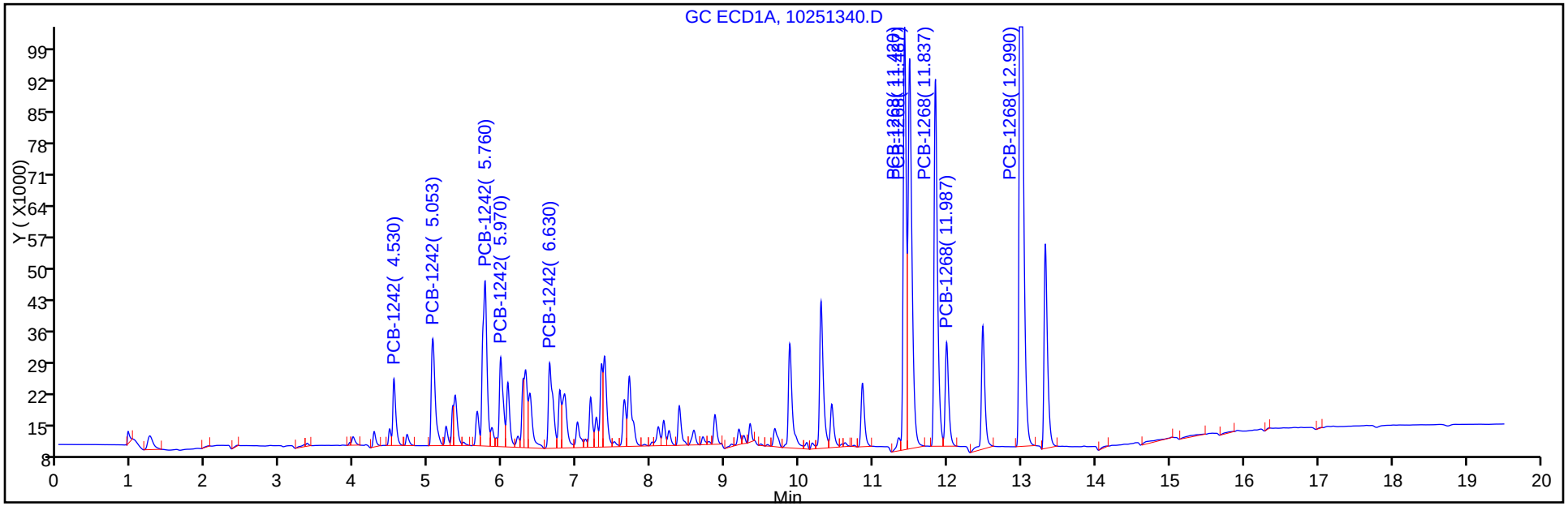
Report Date: 29-Oct-2013 12:12:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

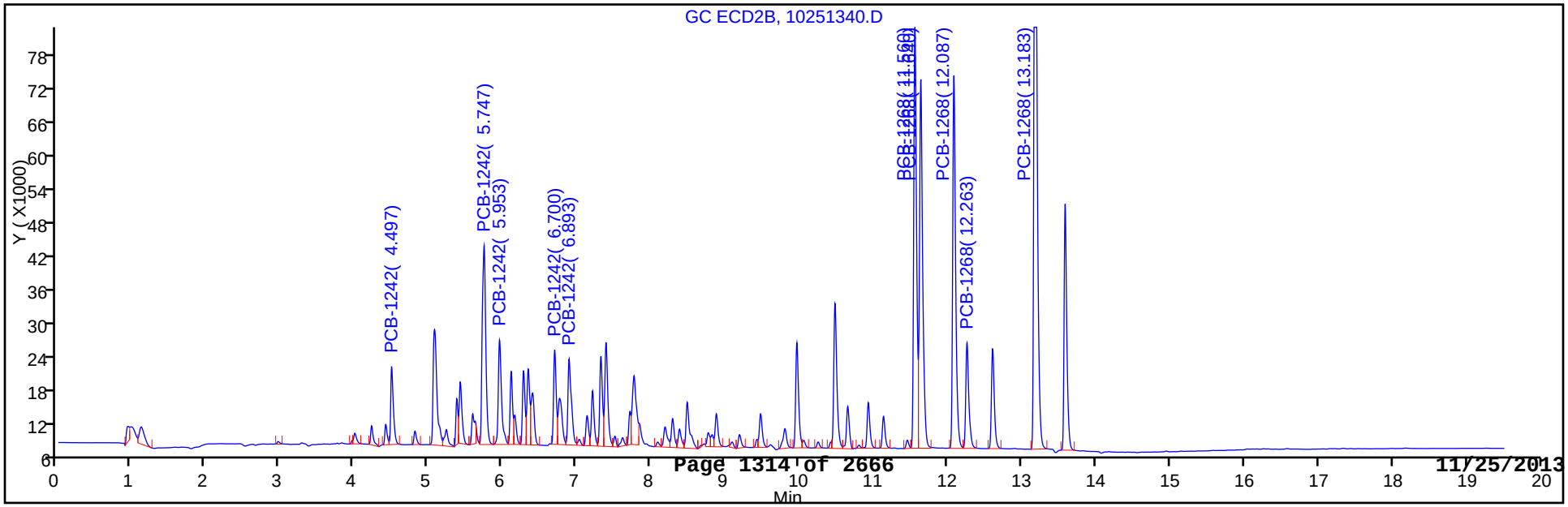
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D

Injection Date:	26-Oct-2013 06:01:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	40
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		137696		0.259	0.250	3.6	20.0
PCB-1242 Peak 2	Lin1		473140		0.255	0.250	2.1	20.0
PCB-1242 Peak 3	Lin1		228588		0.256	0.250	2.6	20.0
PCB-1242 Peak 4	Lin1		165960		0.255	0.250	2.0	20.0
PCB-1242 Peak 5	Lin1		200204		0.254	0.250	1.5	20.0
PCB-1268 Peak 1	Lin1		798184		0.000600	0.250	8.6	20.0
PCB-1268 Peak 2	Lin1		781652		0.000600	0.250	0.5	20.0
PCB-1268 Peak 3	Lin1		732972		0.000600	0.250	16.2	20.0
PCB-1268 Peak 4	Lin1		217604		0.000600	0.250	4.2	20.0
PCB-1268 Peak 5	Lin1		1591044		0.000600	0.250	-3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.50	4.46	4.54
PCB-1242 Peak 2	5.75	5.71	5.79
PCB-1242 Peak 3	5.95	5.91	5.99
PCB-1242 Peak 4	6.70	6.66	6.74
PCB-1242 Peak 5	6.89	6.85	6.93
PCB-1268 Peak 1	11.56	11.52	11.60
PCB-1268 Peak 2	11.64	11.60	11.68
PCB-1268 Peak 3	12.09	12.04	12.12
PCB-1268 Peak 4	12.26	12.22	12.30
PCB-1268 Peak 5	13.18	13.14	13.22

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 06:01:03 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 197868 Lims Sample ID: 40
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 29-Oct-2013 12:10:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	42054	257.7		100.0	
1	2	5.053	5.050	0.003	87346	264.1	161.6- 241.6	207.7	
1	3	5.760	5.757	0.003	150829	254.9	323.5- 403.5	358.7	
1	4	5.970	5.967	0.003	69447	265.8	122.2- 202.2	165.1	
1	5	6.630	6.627	0.003	80520	265.1	141.9- 221.9	191.5	
			Average of Peak Amounts =			261.5			
2	6	4.497	4.500	-0.003	34424	259.1		100.0	
2	7	5.747	5.747	0.000	118285	255.3	312.9- 392.9	343.6	
2	8	5.953	5.953	0.000	57147	256.4	129.8- 209.8	166.0	
2	9	6.700	6.697	0.003	41490	255.0	81.4- 161.4	120.5	
2	10	6.893	6.893	0.000	50051	253.8	109.6- 189.6	145.4	
			Average of Peak Amounts =			255.9			
						RPD = 2.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.420	11.417	0.003	267281	266.7		100.0	
1	2	11.487	11.487	0.000	318483	266.1	80.4- 160.4	119.2	
1	3	11.837	11.833	0.004	263322	285.8	53.0- 133.0	98.5	
1	4	11.987	11.983	0.004	75679	254.1	0.0- 70.0	28.3	
1	5	12.990	12.983	0.007	590880	243.2	201.5- 281.5	221.1	
			Average of Peak Amounts =			263.2			
2	6	11.560	11.557	0.003	199546	271.6		100.0	
2	7	11.640	11.637	0.003	195413	251.3	66.5- 146.5	97.9	
2	8	12.087	12.083	0.004	183243	290.5	46.6- 126.6	91.8	
2	9	12.263	12.260	0.003	54401	260.4	0.0- 68.5	27.3	
2	10	13.183	13.180	0.003	397761	242.5	181.0- 261.0	199.3	
			Average of Peak Amounts =			263.3			
						RPD = 0.03			

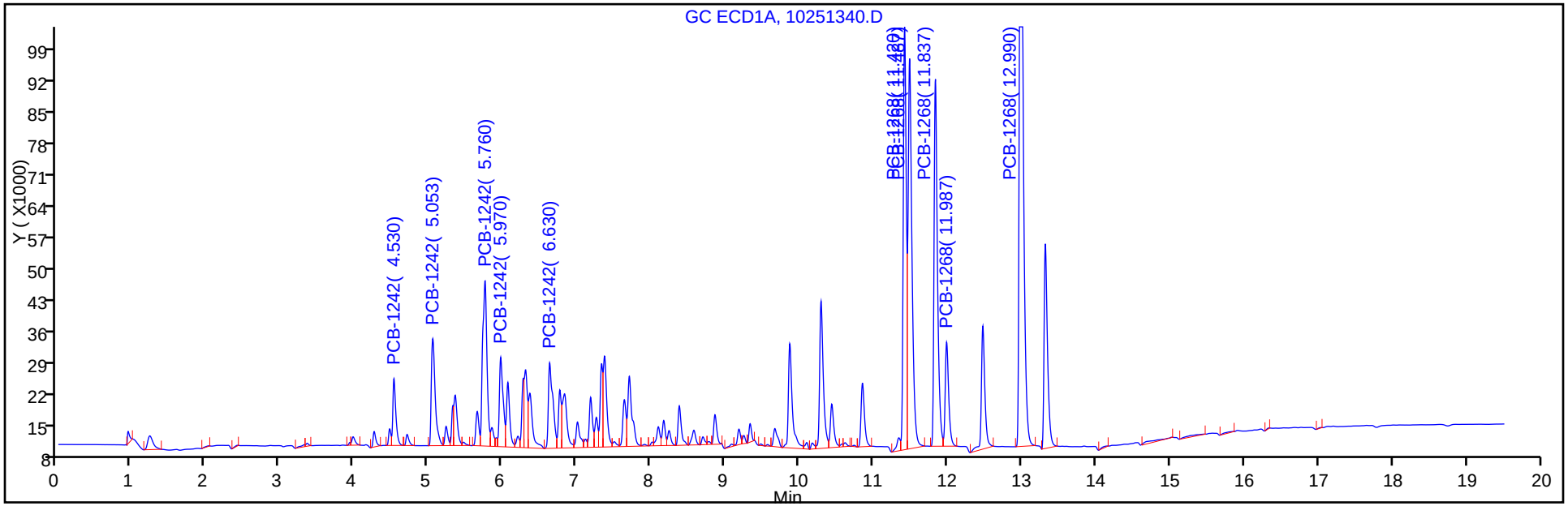
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TestAmerica Denver

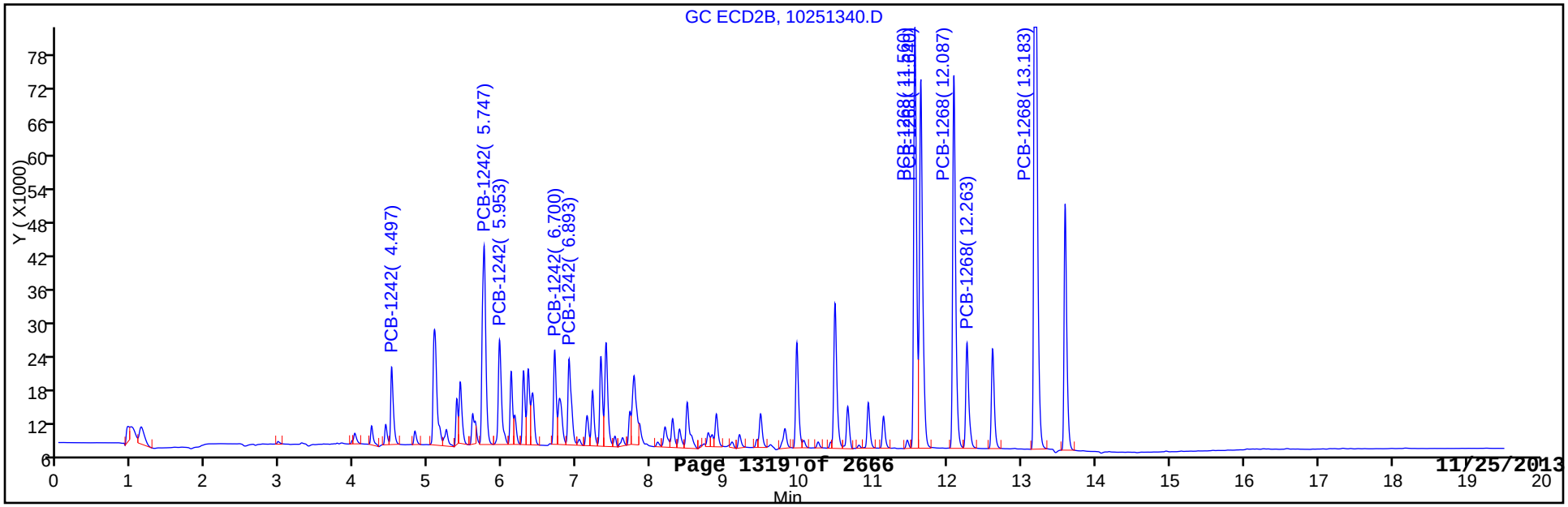
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D

Injection Date:	26-Oct-2013 06:01:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	40
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		398892		0.518	0.500	3.7	20.0
PCB-1016 Peak 2	Lin1		730648		0.508	0.500	1.7	20.0
PCB-1016 Peak 3	Lin1		327626		0.516	0.500	3.3	20.0
PCB-1016 Peak 4	Lin1		218876		0.513	0.500	2.5	20.0
PCB-1016 Peak 5	Lin1		353572		0.515	0.500	2.9	20.0
PCB-1260 Peak 1	Lin1		475742		0.504	0.500	0.8	20.0
PCB-1260 Peak 2	Lin1		767290		0.497	0.500	-0.5	20.0
PCB-1260 Peak 3	Lin1		395296		0.529	0.500	5.8	20.0
PCB-1260 Peak 4	Lin1		880000		0.527	0.500	5.3	20.0
PCB-1260 Peak 5	Lin1		447136		0.502	0.500	0.5	20.0
Tetrachloro-m-xylene	Lin1		9404800		0.0256	0.0250	2.6	20.0
DCB Decachlorobiphenyl	Lin1		8079760		0.0261	0.0250	4.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.05	5.01	5.09
PCB-1016 Peak 2	5.75	5.71	5.79
PCB-1016 Peak 3	5.96	5.92	6.00
PCB-1016 Peak 4	6.06	6.02	6.10
PCB-1016 Peak 5	6.62	6.58	6.66
PCB-1260 Peak 1	8.68	8.64	8.72
PCB-1260 Peak 2	9.65	9.61	9.69
PCB-1260 Peak 3	10.29	10.25	10.33
PCB-1260 Peak 4	10.84	10.80	10.88
PCB-1260 Peak 5	11.34	11.30	11.38
Tetrachloro-m-xylene	4.00	3.96	4.04
DCB Decachlorobiphenyl	13.31	13.27	13.35

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011303.D
Lims ID: CCVRT Client ID:
Inject. Date: 01-Nov-2013 08:56:03 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 198824 Lims Sample ID: 3
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m
Last Update: 02-Nov-2013 08:48:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK001

First Level Reviewer: jacksonto Date: 01-Nov-2013 10:54:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.000	4.000	0.000	235120	25.6			
2	2	3.813	3.813	0.000	179312	24.5			
						RPD = 4.38			
5 PCB-1016									
1	1	5.050	5.050	0.000	199446	518.4		100.0	
1	2	5.753	5.753	0.000	365324	508.3	144.0- 224.0	183.2	
1	3	5.963	5.963	0.000	163813	516.3	42.1- 122.1	82.1	
1	4	6.060	6.060	0.000	109438	512.5	14.1- 94.1	54.9	
1	5	6.623	6.623	0.000	176786	514.6	48.4- 128.4	88.6	
			Average of Peak Amounts =			514.0			
2	6	4.487	4.487	0.000	77998	518.9		100.0	
2	7	5.063	5.063	0.000	162286	513.6	168.4- 248.4	208.1	
2	8	5.733	5.733	0.000	282042	509.9	317.6- 397.6	361.6	
2	9	5.940	5.940	0.000	134182	513.2	127.5- 207.5	172.0	
2	10	6.263	6.263	0.000	70480	517.9	47.1- 127.1	90.4	
			Average of Peak Amounts =			514.7			
						RPD = 0.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.683	8.683	0.000	237871	504.1		100.0	
1	2	9.653	9.653	0.000	383645	497.4	125.9- 205.9	161.3	
1	3	10.290	10.290	0.000	197648	528.9	43.2- 123.2	83.1	
1	4	10.843	10.843	0.000	440000	526.6	144.8- 224.8	185.0	
1	5	11.343	11.343	0.000	223568	502.3	54.9- 134.9	94.0	
			Average of Peak Amounts =			511.9			
2	6	8.800	8.800	0.000	188124	521.1		100.0	
2	7	9.167	9.167	0.000	200595	518.6	67.1- 147.1	106.6	
2	8	9.943	9.943	0.000	132464	527.1	29.7- 109.7	70.4	
2	9	10.457	10.457	0.000	143439	523.2	35.3- 115.3	76.2	
2	10	10.907	10.907	0.000	285020	524.3	108.5- 188.5	151.5	
			Average of Peak Amounts =			522.9			
						RPD = 2.13			
$ 13 DCB Decachlorobiphenyl									
1	1	13.310	13.310	0.000	201994	26.1			
2	2	13.570	13.570	0.000	138878	26.4			
						RPD = 1.24			
S 15 Polychlorinated biphenyls, Total									
1						1025.9			
2						1037.6			
						RPD = 1.13			

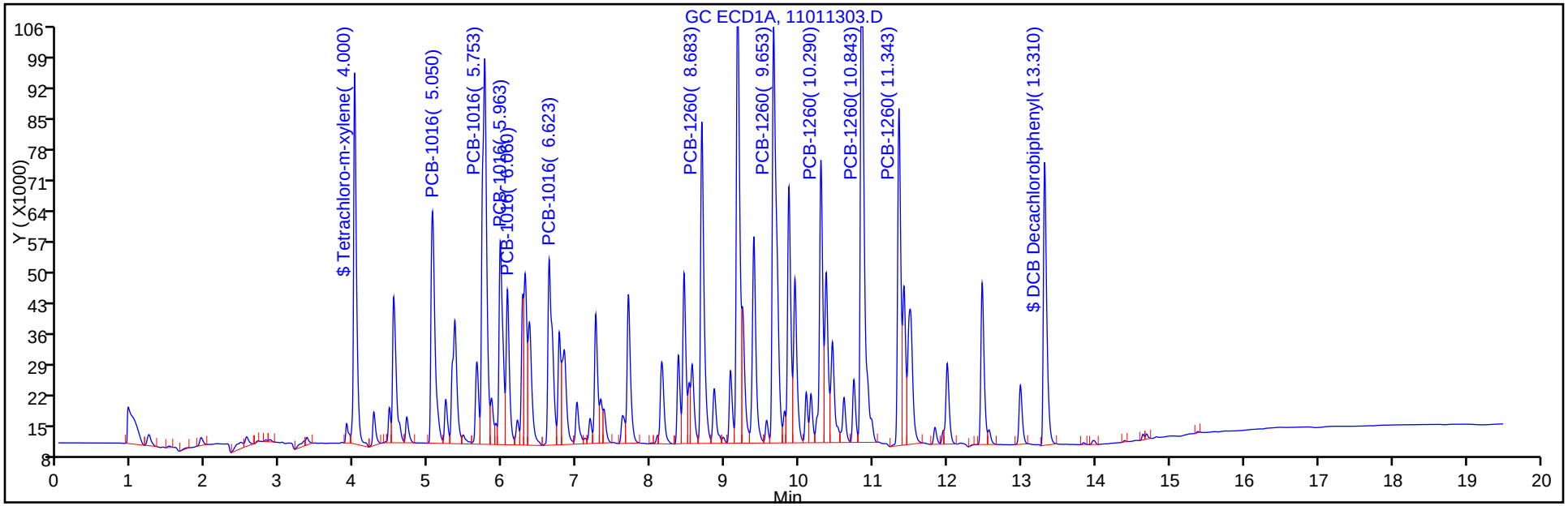
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TestAmerica Denver

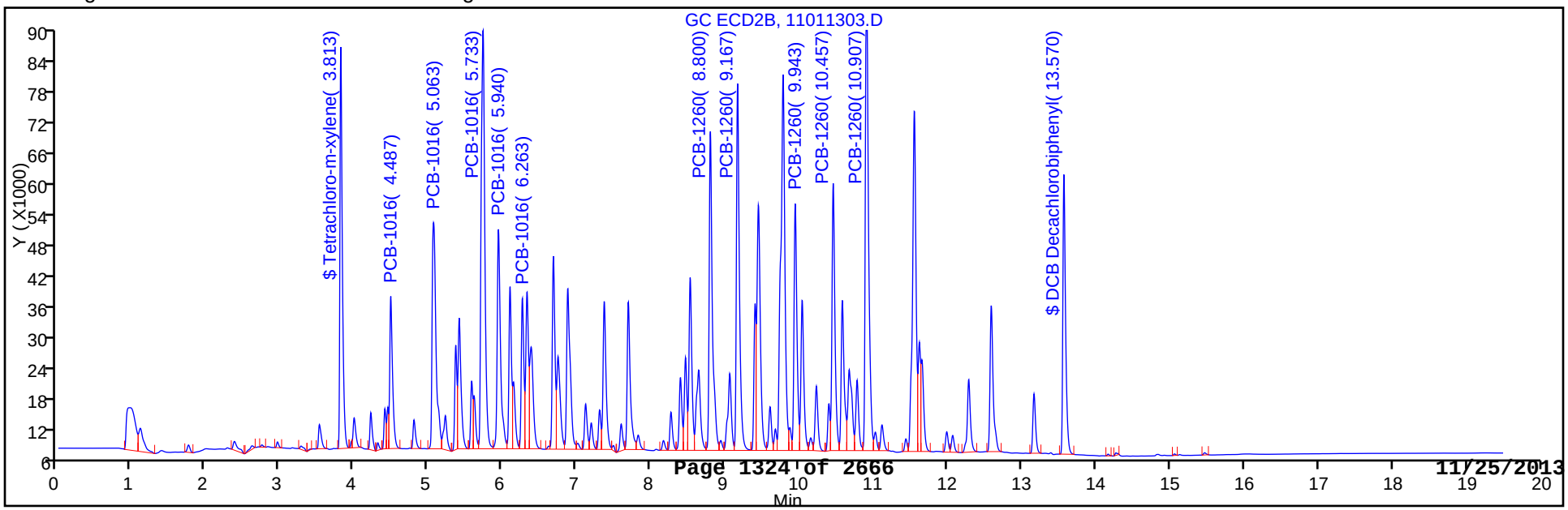
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011303.D

Injection Date:	01-Nov-2013 08:56:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		155996		0.519	0.500	3.8	20.0
PCB-1016 Peak 2	Lin1		324572		0.514	0.500	2.7	20.0
PCB-1016 Peak 3	Lin1		564084		0.510	0.500	2.0	20.0
PCB-1016 Peak 4	Lin1		268364		0.513	0.500	2.6	20.0
PCB-1016 Peak 5	Lin1		140960		0.518	0.500	3.6	20.0
PCB-1260 Peak 1	Lin1		376248		0.521	0.500	4.2	20.0
PCB-1260 Peak 2	Lin1		401190		0.519	0.500	3.7	20.0
PCB-1260 Peak 3	Lin1		264928		0.527	0.500	5.4	20.0
PCB-1260 Peak 4	Lin1		286878		0.523	0.500	4.6	20.0
PCB-1260 Peak 5	Lin1		570040		0.524	0.500	4.9	20.0
Tetrachloro-m-xylene	Lin1		7172480		0.0245	0.0250	-1.8	20.0
DCB Decachlorobiphenyl	Lin1		5555120		0.0264	0.0250	5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.49	4.45	4.53
PCB-1016 Peak 2	5.06	5.02	5.10
PCB-1016 Peak 3	5.73	5.69	5.77
PCB-1016 Peak 4	5.94	5.90	5.98
PCB-1016 Peak 5	6.26	6.22	6.30
PCB-1260 Peak 1	8.80	8.76	8.84
PCB-1260 Peak 2	9.17	9.13	9.21
PCB-1260 Peak 3	9.94	9.90	9.98
PCB-1260 Peak 4	10.46	10.42	10.50
PCB-1260 Peak 5	10.91	10.87	10.95
Tetrachloro-m-xylene	3.81	3.77	3.85
DCB Decachlorobiphenyl	13.57	13.53	13.61

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011303.D
Lims ID: CCVRT Client ID:
Inject. Date: 01-Nov-2013 08:56:03 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 198824 Lims Sample ID: 3
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m
Last Update: 02-Nov-2013 08:48:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK001

First Level Reviewer: jacksonto Date: 01-Nov-2013 10:54:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.000	4.000	0.000	235120	25.6			
2	2	3.813	3.813	0.000	179312	24.5			
						RPD = 4.38			
5 PCB-1016									
1	1	5.050	5.050	0.000	199446	518.4		100.0	
1	2	5.753	5.753	0.000	365324	508.3	144.0- 224.0	183.2	
1	3	5.963	5.963	0.000	163813	516.3	42.1- 122.1	82.1	
1	4	6.060	6.060	0.000	109438	512.5	14.1- 94.1	54.9	
1	5	6.623	6.623	0.000	176786	514.6	48.4- 128.4	88.6	
			Average of Peak Amounts =			514.0			
2	6	4.487	4.487	0.000	77998	518.9		100.0	
2	7	5.063	5.063	0.000	162286	513.6	168.4- 248.4	208.1	
2	8	5.733	5.733	0.000	282042	509.9	317.6- 397.6	361.6	
2	9	5.940	5.940	0.000	134182	513.2	127.5- 207.5	172.0	
2	10	6.263	6.263	0.000	70480	517.9	47.1- 127.1	90.4	
			Average of Peak Amounts =			514.7			
						RPD = 0.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.683	8.683	0.000	237871	504.1		100.0	
1	2	9.653	9.653	0.000	383645	497.4	125.9- 205.9	161.3	
1	3	10.290	10.290	0.000	197648	528.9	43.2- 123.2	83.1	
1	4	10.843	10.843	0.000	440000	526.6	144.8- 224.8	185.0	
1	5	11.343	11.343	0.000	223568	502.3	54.9- 134.9	94.0	
			Average of Peak Amounts =			511.9			
2	6	8.800	8.800	0.000	188124	521.1		100.0	
2	7	9.167	9.167	0.000	200595	518.6	67.1- 147.1	106.6	
2	8	9.943	9.943	0.000	132464	527.1	29.7- 109.7	70.4	
2	9	10.457	10.457	0.000	143439	523.2	35.3- 115.3	76.2	
2	10	10.907	10.907	0.000	285020	524.3	108.5- 188.5	151.5	
			Average of Peak Amounts =			522.9			
						RPD = 2.13			
$ 13 DCB Decachlorobiphenyl									
1	1	13.310	13.310	0.000	201994	26.1			
2	2	13.570	13.570	0.000	138878	26.4			
						RPD = 1.24			
S 15 Polychlorinated biphenyls, Total									
1						1025.9			
2						1037.6			
						RPD = 1.13			

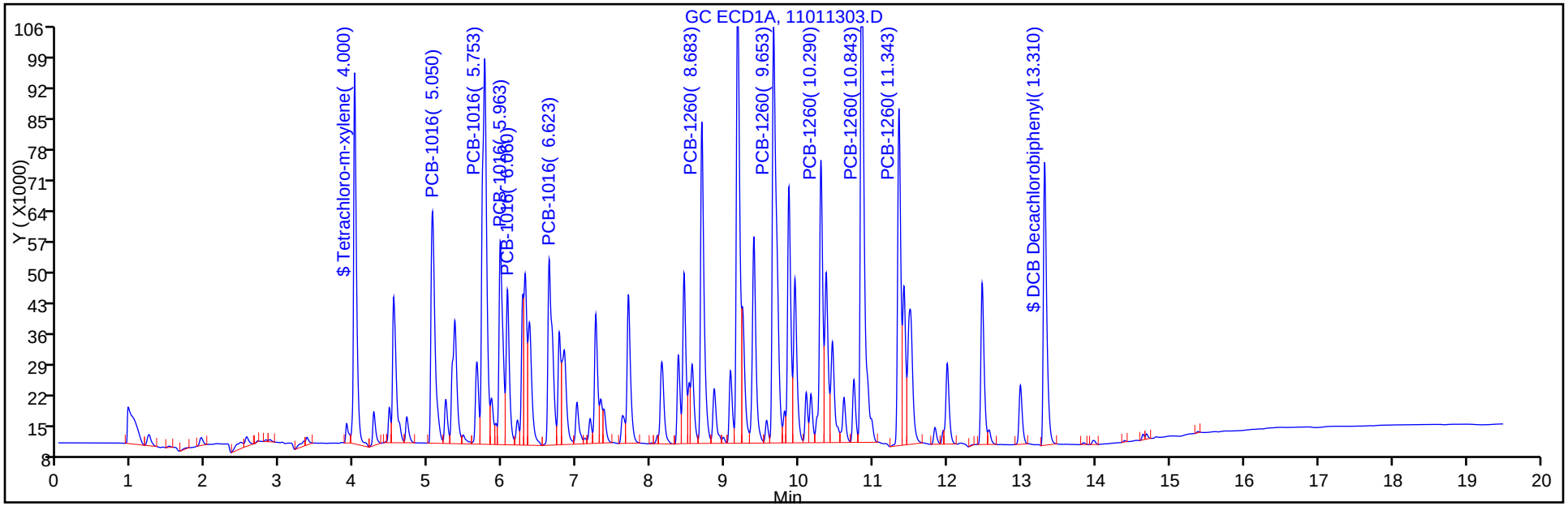
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TestAmerica Denver

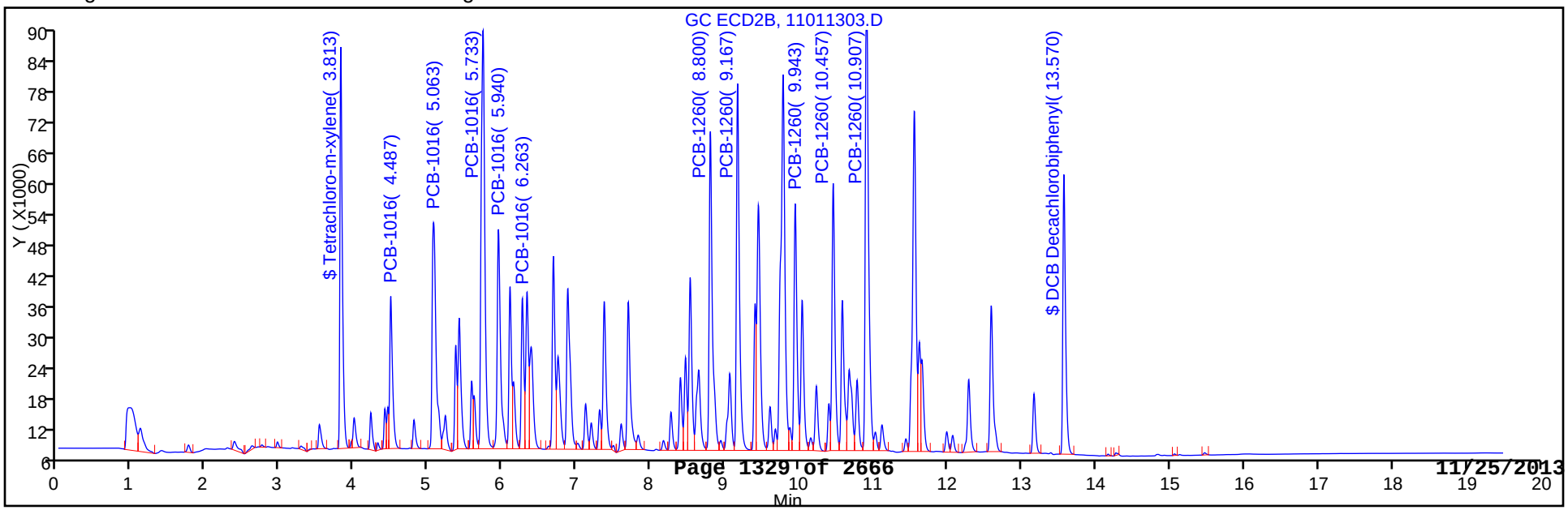
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Injection Date:	01-Nov-2013 08:56:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		375596		0.487	0.500	-2.6	20.0
PCB-1016 Peak 2	Lin1		684874		0.476	0.500	-4.8	20.0
PCB-1016 Peak 3	Lin1		305224		0.480	0.500	-3.9	20.0
PCB-1016 Peak 4	Lin1		199420		0.467	0.500	-6.6	20.0
PCB-1016 Peak 5	Lin1		327072		0.475	0.500	-5.1	20.0
PCB-1260 Peak 1	Lin1		439610		0.465	0.500	-7.1	20.0
PCB-1260 Peak 2	Lin1		717594		0.464	0.500	-7.1	20.0
PCB-1260 Peak 3	Lin1		351746		0.469	0.500	-6.2	20.0
PCB-1260 Peak 4	Lin1		816776		0.488	0.500	-2.4	20.0
PCB-1260 Peak 5	Lin1		417140		0.468	0.500	-6.4	20.0
Tetrachloro-m-xylene	Lin1		8611680		0.0235	0.0250	-6.2	20.0
DCB Decachlorobiphenyl	Lin1		7677480		0.0248	0.0250	-0.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.04	5.01	5.09
PCB-1016 Peak 2	5.75	5.71	5.79
PCB-1016 Peak 3	5.96	5.92	6.00
PCB-1016 Peak 4	6.05	6.02	6.10
PCB-1016 Peak 5	6.62	6.58	6.66
PCB-1260 Peak 1	8.68	8.64	8.72
PCB-1260 Peak 2	9.65	9.61	9.69
PCB-1260 Peak 3	10.29	10.25	10.33
PCB-1260 Peak 4	10.84	10.80	10.88
PCB-1260 Peak 5	11.34	11.30	11.38
Tetrachloro-m-xylene	3.99	3.96	4.04
DCB Decachlorobiphenyl	13.31	13.27	13.35

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011322.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Nov-2013 16:17:38	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	198824	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	215292	23.5			
2	2	3.810	3.813	-0.003	172326	23.6			
						RPD = 0.48			
5 PCB-1016									
1	1	5.043	5.050	-0.007	187798	486.8		100.0	
1	2	5.747	5.753	-0.006	342437	475.8	144.0- 224.0	182.3	
1	3	5.957	5.963	-0.006	152612	480.3	42.1- 122.1	81.3	
1	4	6.053	6.060	-0.007	99710	466.9	14.1- 94.1	53.1	
1	5	6.617	6.623	-0.006	163536	474.6	48.4- 128.4	87.1	
			Average of Peak Amounts =			476.9			
2	6	4.483	4.487	-0.004	75686	502.9		100.0	
2	7	5.060	5.063	-0.003	158397	500.7	168.4- 248.4	209.3	
2	8	5.727	5.733	-0.006	277938	502.2	317.6- 397.6	367.2	
2	9	5.933	5.940	-0.007	133943	512.2	127.5- 207.5	177.0	
2	10	6.257	6.263	-0.006	66950	490.8	47.1- 127.1	88.5	
			Average of Peak Amounts =			501.8			
						RPD = 5.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.677	8.683	-0.006	219805	464.5		100.0	
1	2	9.647	9.653	-0.006	358797	464.5	125.9- 205.9	163.2	
1	3	10.287	10.290	-0.003	175873	469.2	43.2- 123.2	80.0	
1	4	10.837	10.843	-0.006	408388	488.1	144.8- 224.8	185.8	
1	5	11.337	11.343	-0.006	208570	467.8	54.9- 134.9	94.9	
			Average of Peak Amounts =			470.8			
2	6	8.793	8.800	-0.007	178972	494.9		100.0	
2	7	9.160	9.167	-0.007	192572	497.0	67.1- 147.1	107.6	
2	8	9.937	9.943	-0.006	126140	501.1	29.7- 109.7	70.5	
2	9	10.450	10.457	-0.007	137863	502.3	35.3- 115.3	77.0	
2	10	10.900	10.907	-0.007	273976	503.5	108.5- 188.5	153.1	
			Average of Peak Amounts =			499.8			
						RPD = 5.96			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	191937	24.8			
2	2	13.567	13.570	-0.003	131468	25.0			
						RPD = 0.81			
S 15 Polychlorinated biphenyls, Total									
1						947.7			
2						1001.5			
						RPD = 5.52			

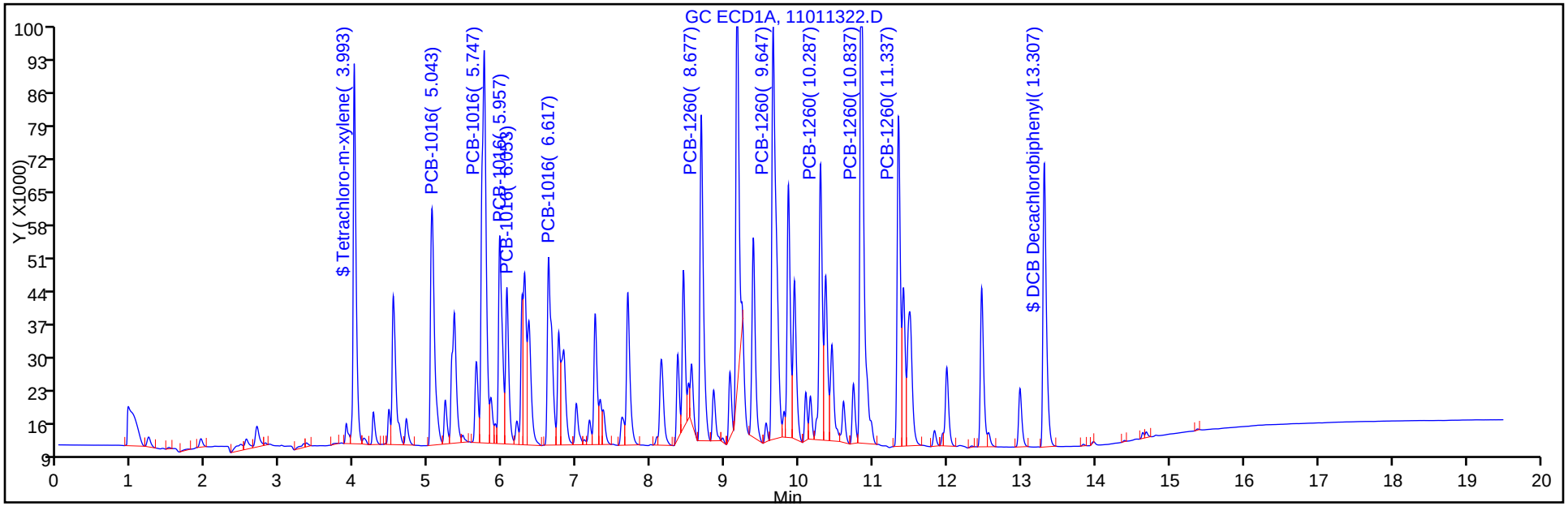
Report Date: 02-Nov-2013 08:48:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

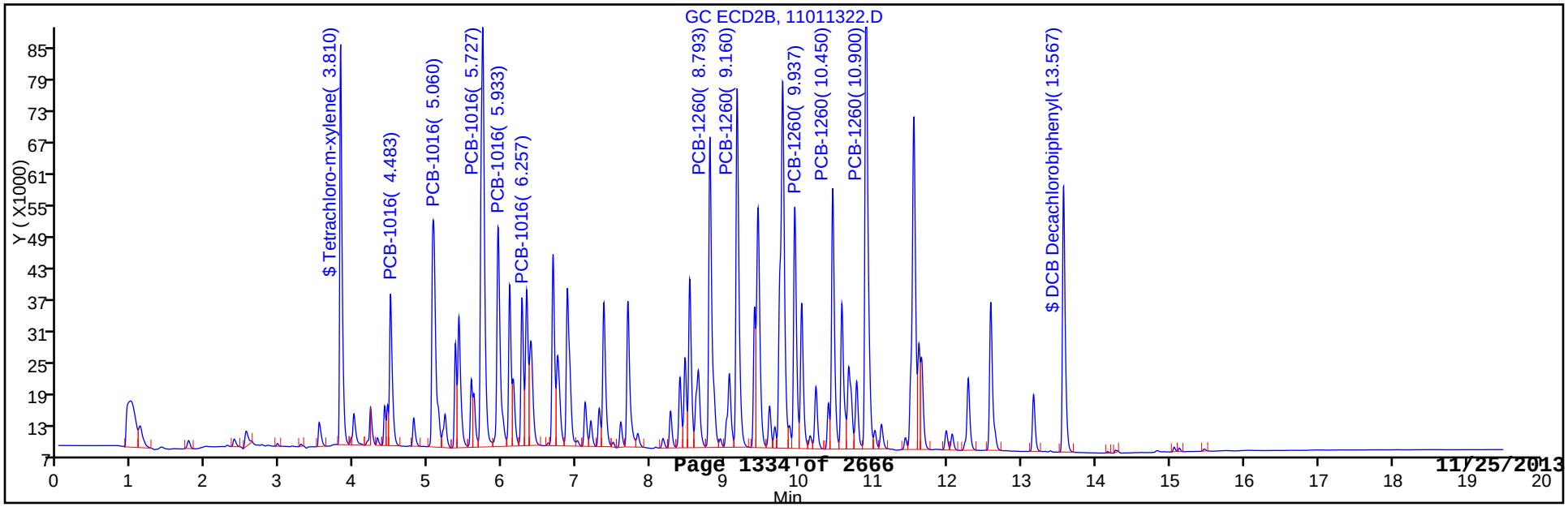
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Injection Date:	01-Nov-2013 16:17:38	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		151372		0.503	0.500	0.6	20.0
PCB-1016 Peak 2	Lin1		316794		0.501	0.500	0.1	20.0
PCB-1016 Peak 3	Lin1		555876		0.502	0.500	0.4	20.0
PCB-1016 Peak 4	Lin1		267886		0.512	0.500	2.4	20.0
PCB-1016 Peak 5	Lin1		133900		0.491	0.500	-1.8	20.0
PCB-1260 Peak 1	Lin1		357944		0.495	0.500	-1.0	20.0
PCB-1260 Peak 2	Lin1		385144		0.497	0.500	-0.6	20.0
PCB-1260 Peak 3	Lin1		252280		0.501	0.500	0.2	20.0
PCB-1260 Peak 4	Lin1		275726		0.502	0.500	0.5	20.0
PCB-1260 Peak 5	Lin1		547952		0.503	0.500	0.7	20.0
Tetrachloro-m-xylene	Lin1		6893040		0.0236	0.0250	-5.7	20.0
DCB Decachlorobiphenyl	Lin1		5258720		0.0250	0.0250	-0.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.48	4.45	4.53
PCB-1016 Peak 2	5.06	5.02	5.10
PCB-1016 Peak 3	5.73	5.69	5.77
PCB-1016 Peak 4	5.93	5.90	5.98
PCB-1016 Peak 5	6.26	6.22	6.30
PCB-1260 Peak 1	8.79	8.76	8.84
PCB-1260 Peak 2	9.16	9.13	9.21
PCB-1260 Peak 3	9.94	9.90	9.98
PCB-1260 Peak 4	10.45	10.42	10.50
PCB-1260 Peak 5	10.90	10.87	10.95
Tetrachloro-m-xylene	3.81	3.77	3.85
DCB Decachlorobiphenyl	13.57	13.53	13.61

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011322.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Nov-2013 16:17:38	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	198824	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	215292	23.5			
2	2	3.810	3.813	-0.003	172326	23.6			
						RPD = 0.48			
5 PCB-1016									
1	1	5.043	5.050	-0.007	187798	486.8		100.0	
1	2	5.747	5.753	-0.006	342437	475.8	144.0- 224.0	182.3	
1	3	5.957	5.963	-0.006	152612	480.3	42.1- 122.1	81.3	
1	4	6.053	6.060	-0.007	99710	466.9	14.1- 94.1	53.1	
1	5	6.617	6.623	-0.006	163536	474.6	48.4- 128.4	87.1	
			Average of Peak Amounts =			476.9			
2	6	4.483	4.487	-0.004	75686	502.9		100.0	
2	7	5.060	5.063	-0.003	158397	500.7	168.4- 248.4	209.3	
2	8	5.727	5.733	-0.006	277938	502.2	317.6- 397.6	367.2	
2	9	5.933	5.940	-0.007	133943	512.2	127.5- 207.5	177.0	
2	10	6.257	6.263	-0.006	66950	490.8	47.1- 127.1	88.5	
			Average of Peak Amounts =			501.8			
						RPD = 5.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.677	8.683	-0.006	219805	464.5		100.0	
1	2	9.647	9.653	-0.006	358797	464.5	125.9- 205.9	163.2	
1	3	10.287	10.290	-0.003	175873	469.2	43.2- 123.2	80.0	
1	4	10.837	10.843	-0.006	408388	488.1	144.8- 224.8	185.8	
1	5	11.337	11.343	-0.006	208570	467.8	54.9- 134.9	94.9	
			Average of Peak Amounts =			470.8			
2	6	8.793	8.800	-0.007	178972	494.9		100.0	
2	7	9.160	9.167	-0.007	192572	497.0	67.1- 147.1	107.6	
2	8	9.937	9.943	-0.006	126140	501.1	29.7- 109.7	70.5	
2	9	10.450	10.457	-0.007	137863	502.3	35.3- 115.3	77.0	
2	10	10.900	10.907	-0.007	273976	503.5	108.5- 188.5	153.1	
			Average of Peak Amounts =			499.8			
						RPD = 5.96			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	191937	24.8			
2	2	13.567	13.570	-0.003	131468	25.0			
						RPD = 0.81			
S 15 Polychlorinated biphenyls, Total									
1						947.7			
2						1001.5			
						RPD = 5.52			

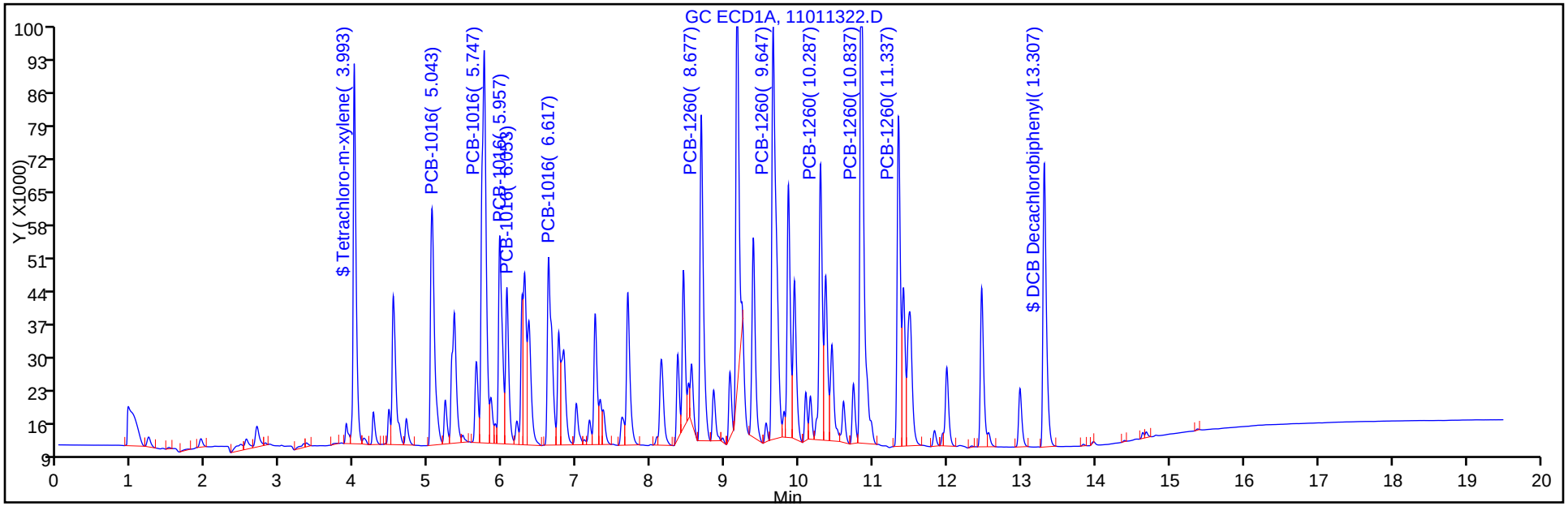
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TestAmerica Denver

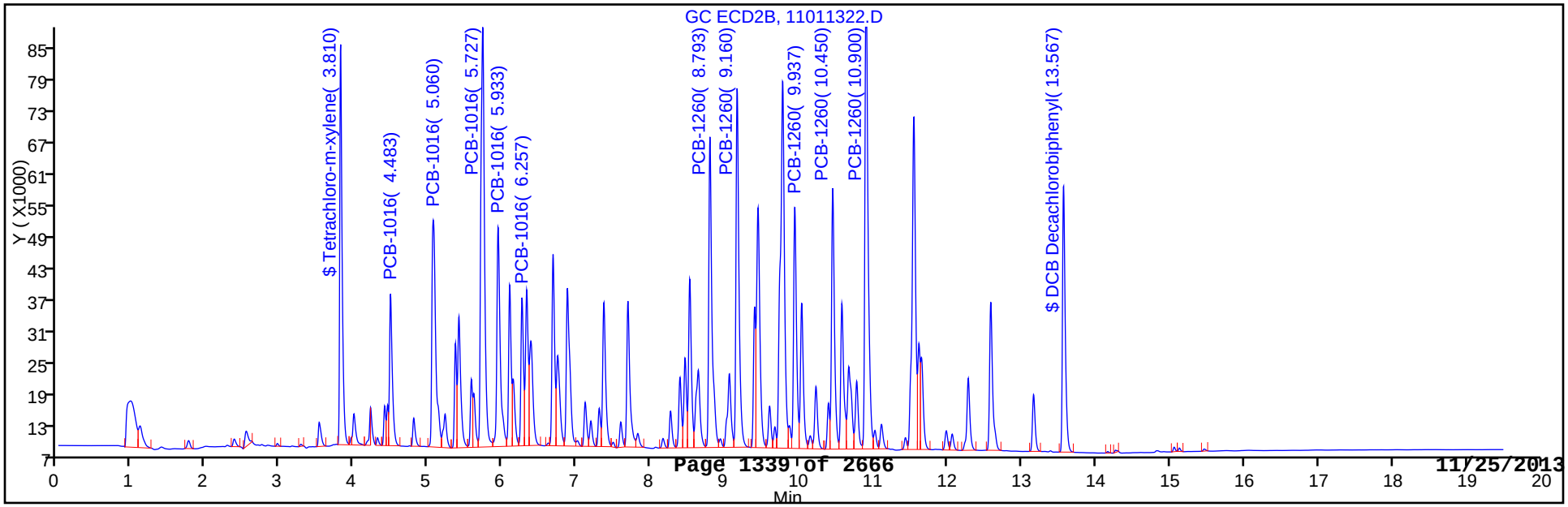
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011322.D

Injection Date:	01-Nov-2013 16:17:38	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		384476		0.499	0.500	-0.2	20.0
PCB-1016 Peak 2	Lin1		704842		0.490	0.500	-2.0	20.0
PCB-1016 Peak 3	Lin1		314624		0.495	0.500	-0.9	20.0
PCB-1016 Peak 4	Lin1		212722		0.498	0.500	-0.4	20.0
PCB-1016 Peak 5	Lin1		342206		0.497	0.500	-0.5	20.0
PCB-1260 Peak 1	Lin1		479358		0.508	0.500	1.6	20.0
PCB-1260 Peak 2	Lin1		772398		0.501	0.500	0.2	20.0
PCB-1260 Peak 3	Lin1		397778		0.532	0.500	6.5	20.0
PCB-1260 Peak 4	Lin1		865484		0.518	0.500	3.6	20.0
PCB-1260 Peak 5	Lin1		429272		0.482	0.500	-3.6	20.0
Tetrachloro-m-xylene	Lin1		8638600		0.0235	0.0250	-5.9	20.0
DCB Decachlorobiphenyl	Lin1		7557080		0.0244	0.0250	-2.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.05	5.01	5.09
PCB-1016 Peak 2	5.75	5.71	5.79
PCB-1016 Peak 3	5.96	5.92	6.00
PCB-1016 Peak 4	6.06	6.02	6.10
PCB-1016 Peak 5	6.62	6.58	6.66
PCB-1260 Peak 1	8.68	8.64	8.72
PCB-1260 Peak 2	9.65	9.61	9.69
PCB-1260 Peak 3	10.29	10.25	10.33
PCB-1260 Peak 4	10.84	10.80	10.88
PCB-1260 Peak 5	11.34	11.30	11.38
Tetrachloro-m-xylene	4.00	3.96	4.04
DCB Decachlorobiphenyl	13.31	13.27	13.35

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Nov-2013 22:28:51	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	38
Lims Batch ID:	198824	Lims Sample ID:	38
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:41	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:47:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.997	4.000	-0.003	215965	23.5			
2	2	3.810	3.813	-0.003	170497	23.3			
						RPD = 0.92			
5 PCB-1016									M
1	1	5.047	5.050	-0.003	192238	498.8		100.0	
1	2	5.750	5.753	-0.003	352421	490.0	144.0- 224.0	183.3	
1	3	5.960	5.963	-0.003	157312	495.4	42.1- 122.1	81.8	
1	4	6.057	6.060	-0.003	106361	498.1	14.1- 94.1	55.3	
1	5	6.620	6.623	-0.003	171103	497.4	48.4- 128.4	89.0	M
			Average of Peak Amounts =			495.9			
2	6	4.483	4.487	-0.004	76258	506.8		100.0	
2	7	5.060	5.063	-0.003	157180	496.6	168.4- 248.4	206.1	
2	8	5.730	5.733	-0.003	273336	493.6	317.6- 397.6	358.4	
2	9	5.937	5.940	-0.003	128457	490.4	127.5- 207.5	168.5	
2	10	6.260	6.263	-0.003	67675	496.4	47.1- 127.1	88.7	
			Average of Peak Amounts =			496.8			
						RPD = 0.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.680	8.683	-0.003	239679	508.1		100.0	M
1	2	9.647	9.653	-0.006	386199	500.8	125.9- 205.9	161.1	M
1	3	10.287	10.290	-0.003	198889	532.3	43.2- 123.2	83.0	M
1	4	10.837	10.843	-0.006	432742	517.8	144.8- 224.8	180.6	M
1	5	11.340	11.343	-0.003	214636	481.8	54.9- 134.9	89.6	
			Average of Peak Amounts =			508.2			
2	6	8.793	8.800	-0.007	180707	499.8		100.0	
2	7	9.160	9.167	-0.007	193528	499.6	67.1- 147.1	107.1	
2	8	9.940	9.943	-0.003	125939	500.3	29.7- 109.7	69.7	
2	9	10.450	10.457	-0.007	137542	501.1	35.3- 115.3	76.1	
2	10	10.900	10.907	-0.007	274184	503.9	108.5- 188.5	151.7	
			Average of Peak Amounts =			500.9			
						RPD = 1.43			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	188927	24.4			
2	2	13.567	13.570	-0.003	129915	24.7			
						RPD = 1.20			
S 15 Polychlorinated biphenyls, Total									
1						1004.1			
2						997.7			
						RPD = 0.64			

QC Flag Legend

Review Flags
M - Manually Integrated

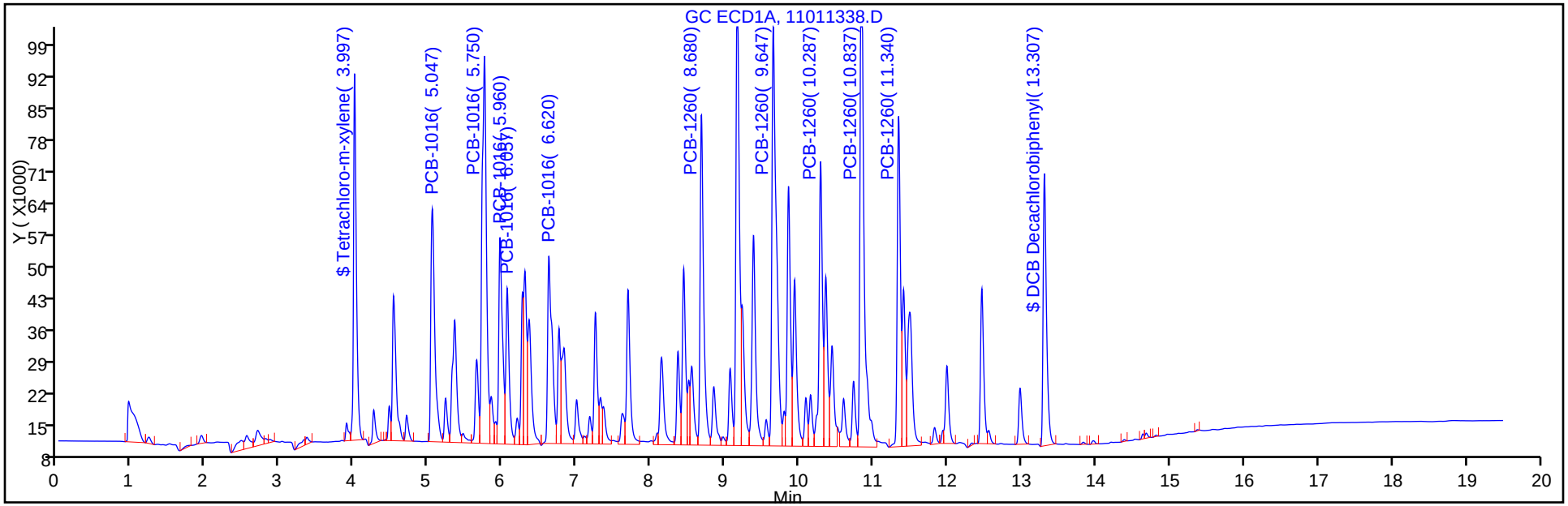
Report Date: 02-Nov-2013 08:48:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

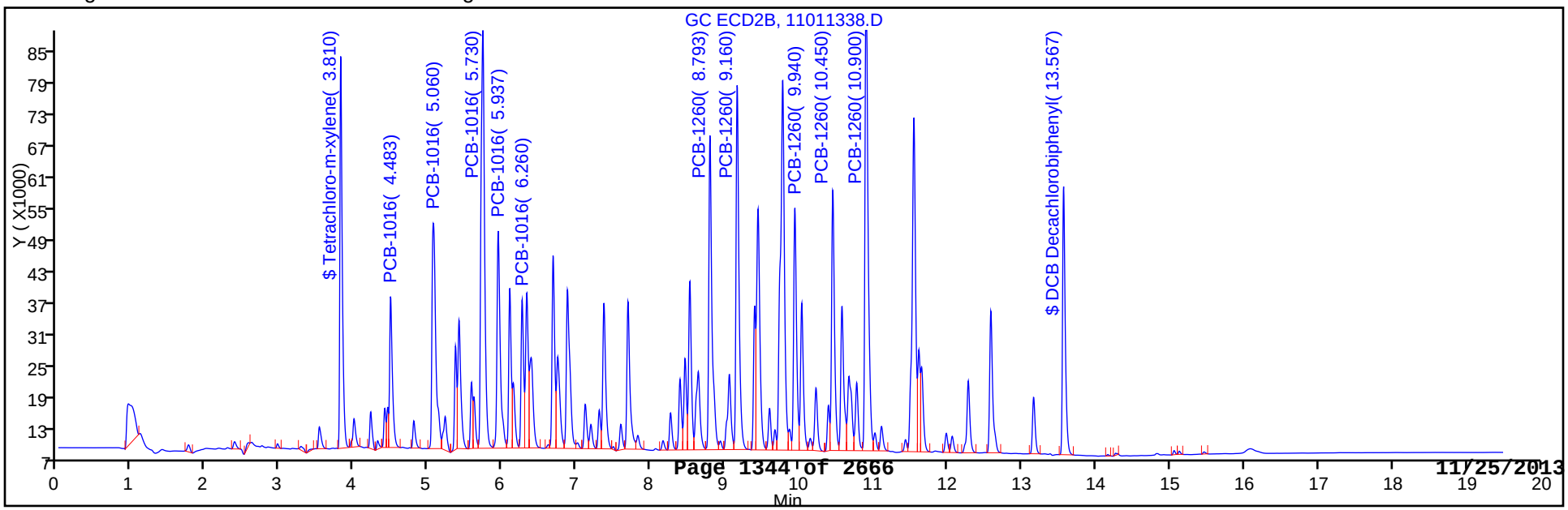
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Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



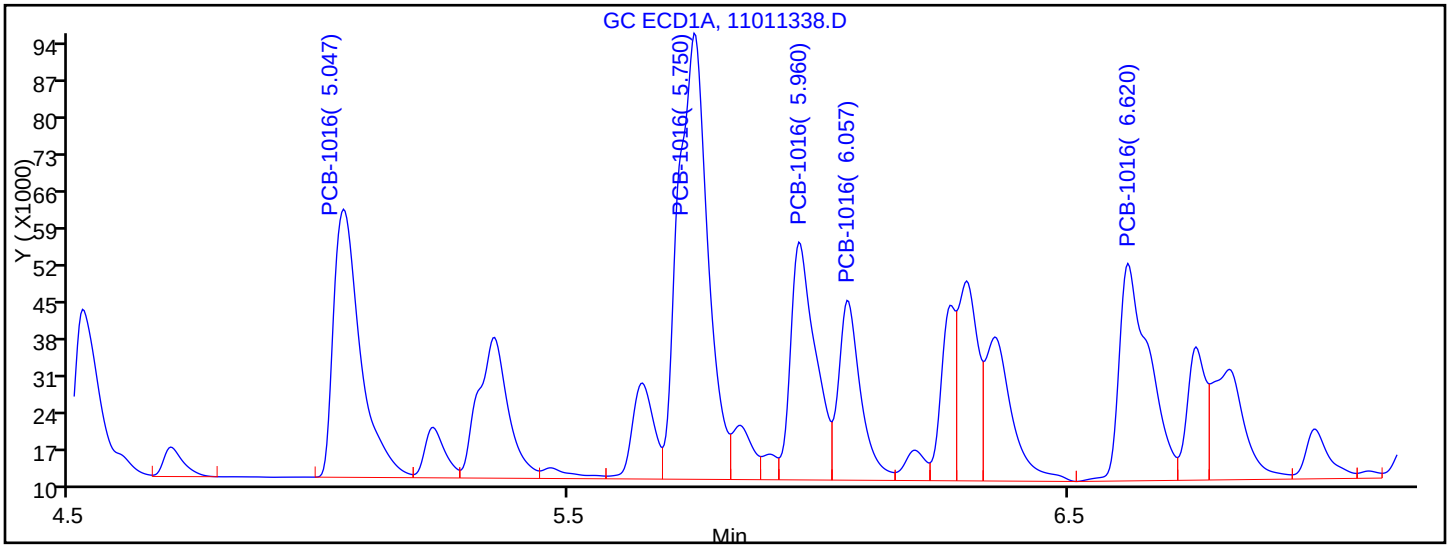
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TestAmerica Denver

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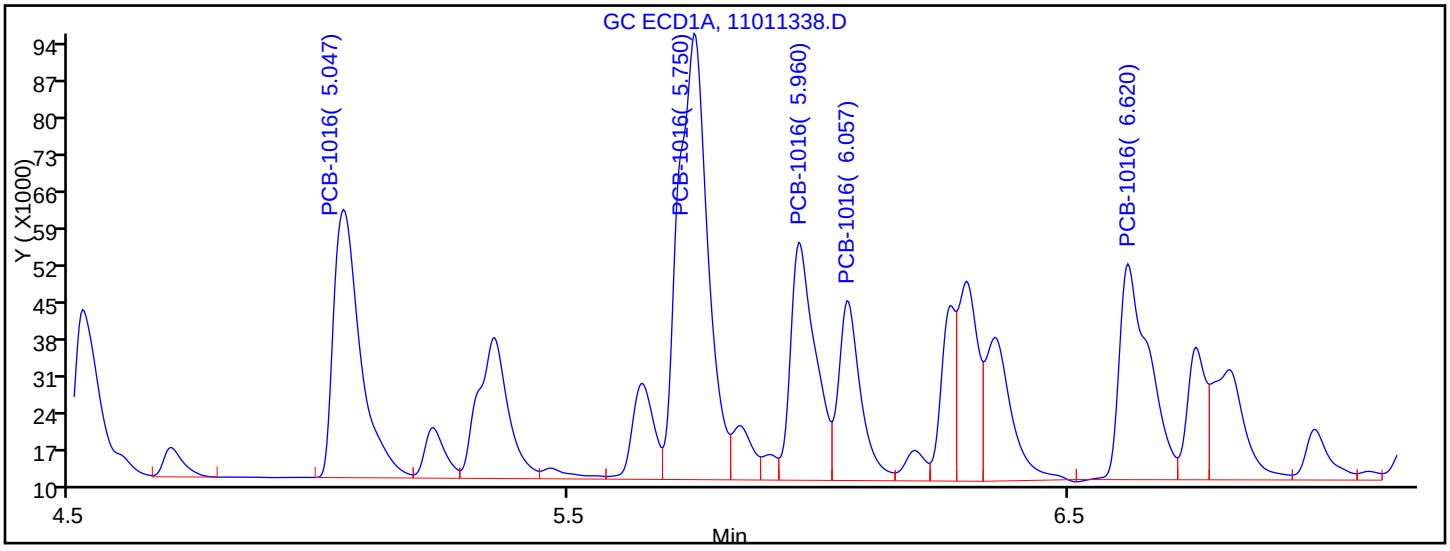
Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

5 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.047	Response = 192238	
RT = 5.750	Response = 352421	
RT = 5.960	Response = 157312	
RT = 6.057	Response = 106361	
RT = 6.620	Response = 174787	M



Manual Integration Results

RT = 5.047	Response = 192238	
RT = 5.750	Response = 352421	
RT = 5.960	Response = 157312	
RT = 6.057	Response = 106361	
RT = 6.620	Response = 171103	M

Reviewer: jacksonto, 02-Nov-2013 08:47:27

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

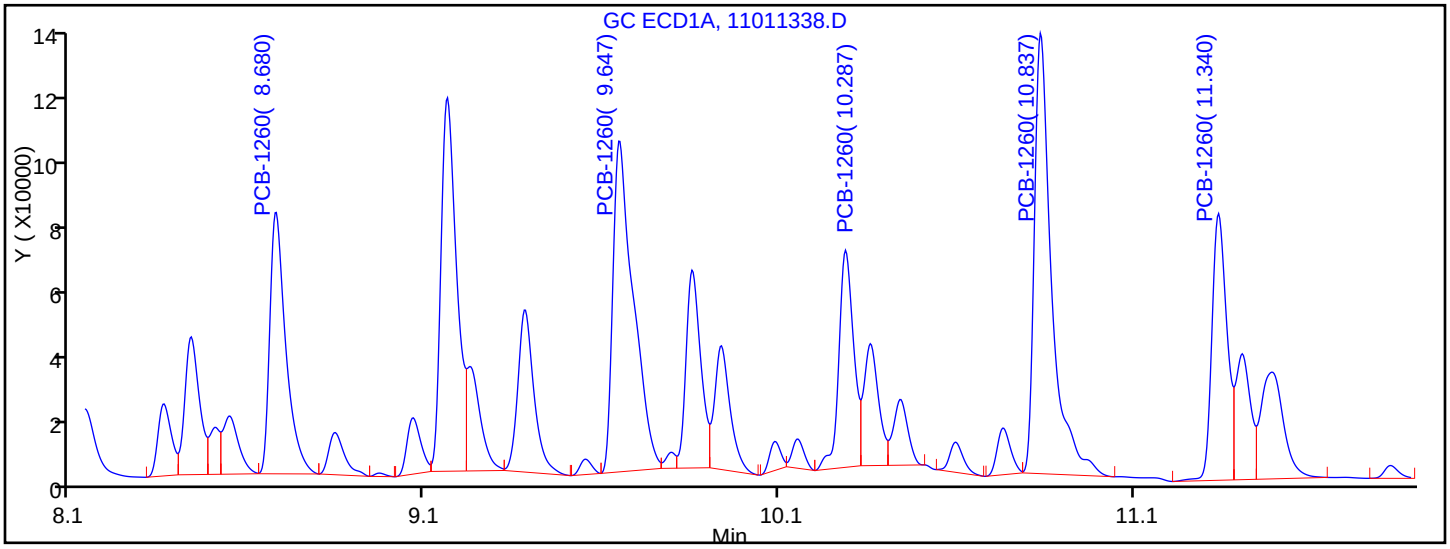
Report Date: 02-Nov-2013 08:48:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D

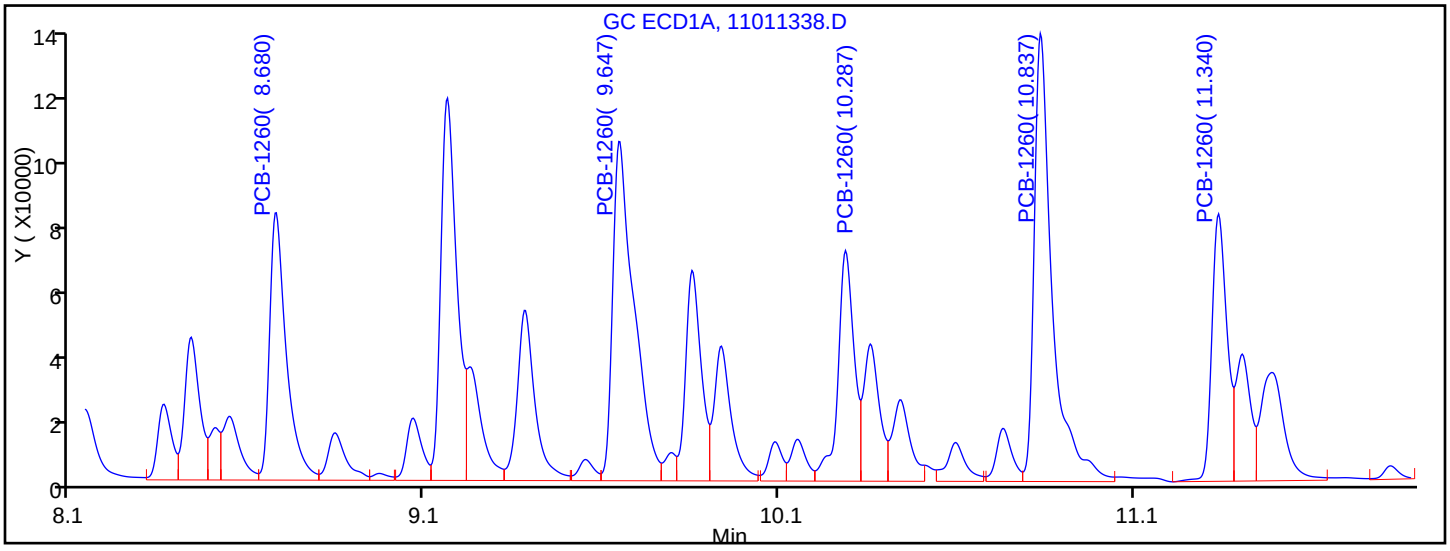
Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

9 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.680	Response = 223288	M
RT = 9.647	Response = 359858	M
RT = 10.287	Response = 172104	M
RT = 10.837	Response = 405684	M
RT = 11.340	Response = 214636	



Manual Integration Results

RT = 8.680	Response = 239679	M
RT = 9.647	Response = 386199	M
RT = 10.287	Response = 198889	M
RT = 10.837	Response = 432742	M
RT = 11.340	Response = 214636	

Reviewer: jacksonto, 02-Nov-2013 08:47:27

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		152516		0.507	0.500	1.4	20.0
PCB-1016 Peak 2	Lin1		314360		0.497	0.500	-0.7	20.0
PCB-1016 Peak 3	Lin1		546672		0.494	0.500	-1.3	20.0
PCB-1016 Peak 4	Lin1		256914		0.490	0.500	-1.9	20.0
PCB-1016 Peak 5	Lin1		135350		0.496	0.500	-0.7	20.0
PCB-1260 Peak 1	Lin1		361414		0.500	0.500	-0.0	20.0
PCB-1260 Peak 2	Lin1		387056		0.500	0.500	-0.0	20.0
PCB-1260 Peak 3	Lin1		251878		0.500	0.500	0.0	20.0
PCB-1260 Peak 4	Lin1		275084		0.501	0.500	0.2	20.0
PCB-1260 Peak 5	Lin1		548368		0.504	0.500	0.8	20.0
Tetrachloro-m-xylene	Lin1		6819880		0.0233	0.0250	-6.7	20.0
DCB Decachlorobiphenyl	Lin1		5196600		0.0247	0.0250	-1.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.48	4.45	4.53
PCB-1016 Peak 2	5.06	5.02	5.10
PCB-1016 Peak 3	5.73	5.69	5.77
PCB-1016 Peak 4	5.94	5.90	5.98
PCB-1016 Peak 5	6.26	6.22	6.30
PCB-1260 Peak 1	8.79	8.76	8.84
PCB-1260 Peak 2	9.16	9.13	9.21
PCB-1260 Peak 3	9.94	9.90	9.98
PCB-1260 Peak 4	10.45	10.42	10.50
PCB-1260 Peak 5	10.90	10.87	10.95
Tetrachloro-m-xylene	3.81	3.77	3.85
DCB Decachlorobiphenyl	13.57	13.53	13.61

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D
Lims ID: CCV Client ID:
Inject. Date: 01-Nov-2013 22:28:51 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 198824 Lims Sample ID: 38
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m
Last Update: 02-Nov-2013 08:48:41 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK001

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:47:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.997	4.000	-0.003	215965	23.5			
2	2	3.810	3.813	-0.003	170497	23.3			
						RPD = 0.92			
5 PCB-1016									M
1	1	5.047	5.050	-0.003	192238	498.8		100.0	
1	2	5.750	5.753	-0.003	352421	490.0	144.0- 224.0	183.3	
1	3	5.960	5.963	-0.003	157312	495.4	42.1- 122.1	81.8	
1	4	6.057	6.060	-0.003	106361	498.1	14.1- 94.1	55.3	
1	5	6.620	6.623	-0.003	171103	497.4	48.4- 128.4	89.0	M
			Average of Peak Amounts =			495.9			
2	6	4.483	4.487	-0.004	76258	506.8		100.0	
2	7	5.060	5.063	-0.003	157180	496.6	168.4- 248.4	206.1	
2	8	5.730	5.733	-0.003	273336	493.6	317.6- 397.6	358.4	
2	9	5.937	5.940	-0.003	128457	490.4	127.5- 207.5	168.5	
2	10	6.260	6.263	-0.003	67675	496.4	47.1- 127.1	88.7	
			Average of Peak Amounts =			496.8			
						RPD = 0.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.680	8.683	-0.003	239679	508.1		100.0	M
1	2	9.647	9.653	-0.006	386199	500.8	125.9- 205.9	161.1	M
1	3	10.287	10.290	-0.003	198889	532.3	43.2- 123.2	83.0	M
1	4	10.837	10.843	-0.006	432742	517.8	144.8- 224.8	180.6	M
1	5	11.340	11.343	-0.003	214636	481.8	54.9- 134.9	89.6	
			Average of Peak Amounts =			508.2			
2	6	8.793	8.800	-0.007	180707	499.8		100.0	
2	7	9.160	9.167	-0.007	193528	499.6	67.1- 147.1	107.1	
2	8	9.940	9.943	-0.003	125939	500.3	29.7- 109.7	69.7	
2	9	10.450	10.457	-0.007	137542	501.1	35.3- 115.3	76.1	
2	10	10.900	10.907	-0.007	274184	503.9	108.5- 188.5	151.7	
			Average of Peak Amounts =			500.9			
						RPD = 1.43			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	188927	24.4			
2	2	13.567	13.570	-0.003	129915	24.7			
						RPD = 1.20			
S 15 Polychlorinated biphenyls, Total									
1						1004.1			
2						997.7			
						RPD = 0.64			

QC Flag Legend

Review Flags
M - Manually Integrated

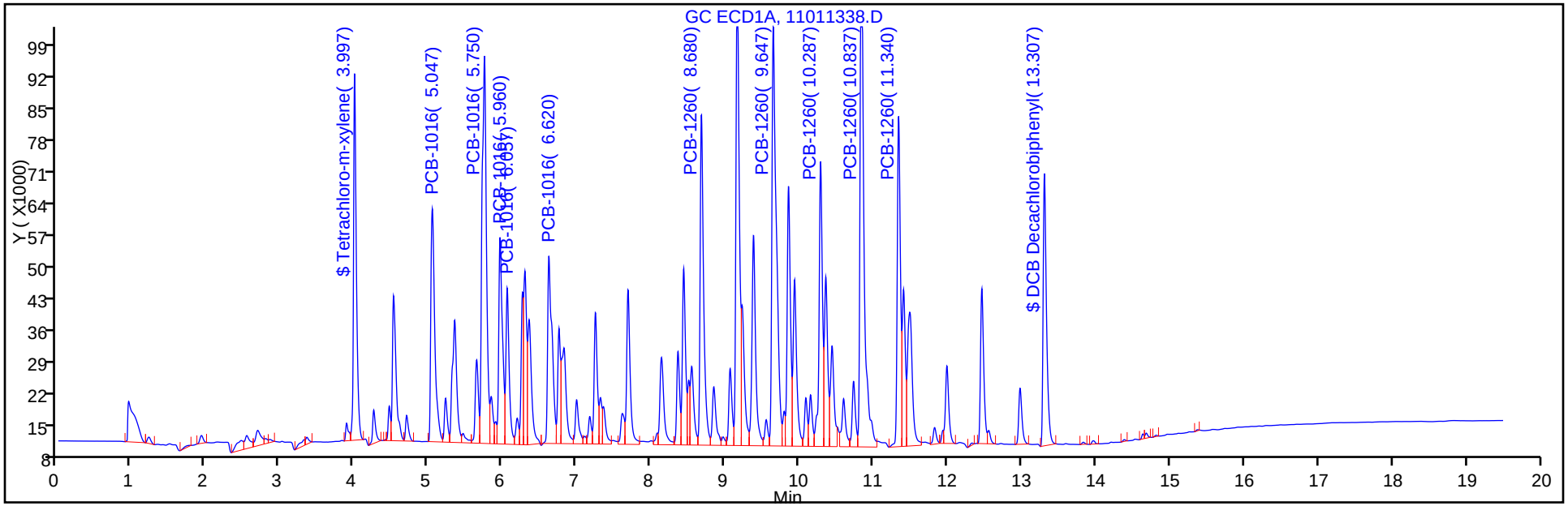
Report Date: 02-Nov-2013 08:48:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

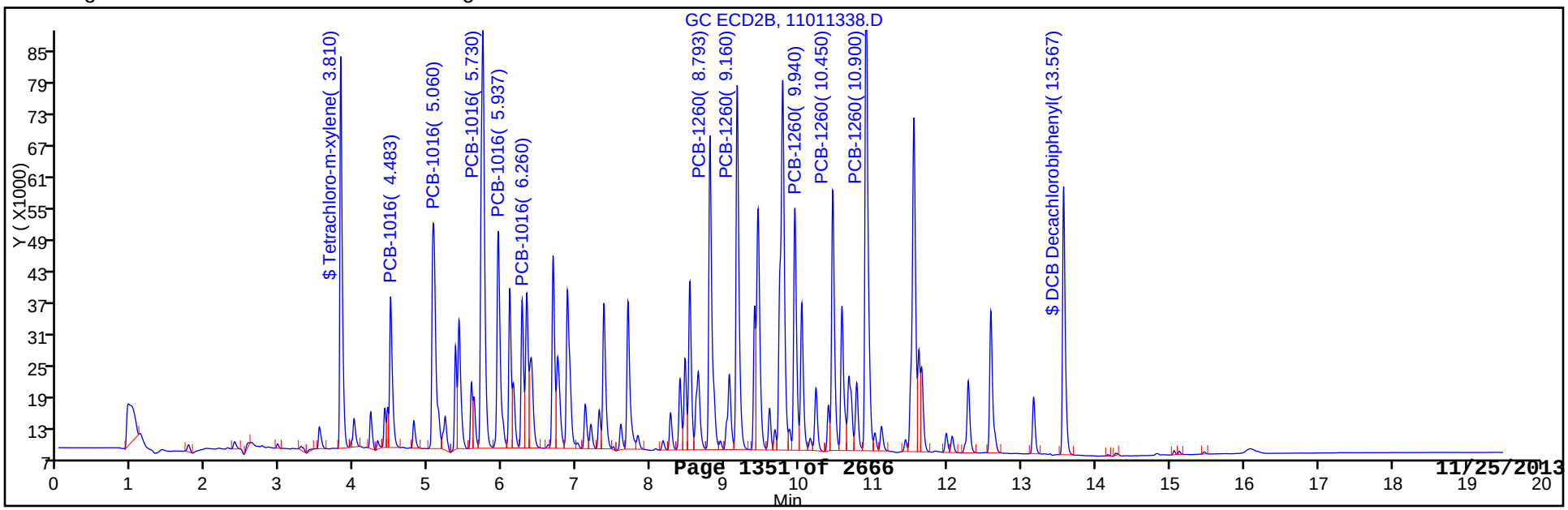
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D

Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198319/1-A

Matrix: Solid | Lab File ID: 11011323.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.4(g) | Date Analyzed: 11/01/2013 16:40

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198824 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	9.9	U	33	9.9	5.0
11104-28-2	PCB-1221	20	U	33	20	15
11141-16-5	PCB-1232	15	U	33	15	5.1
53469-21-9	PCB-1242	9.9	U	33	9.9	9.0
12672-29-6	PCB-1248	9.9	U	33	9.9	5.5
11097-69-1	PCB-1254	9.9	U	33	9.9	5.4
11096-82-5	PCB-1260	9.9	U	33	9.9	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		60-125
877-09-8	Tetrachloro-m-xylene	84		53-128

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011323.D		
Lims ID:	MB 280-198319/1-A	Client ID:	
Inject. Date:	01-Nov-2013 16:40:37	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 280-198319/1-		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	198824	Lims Sample ID:	23
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	155487	16.9			
2	2	3.810	3.813	-0.003	131197	17.8			
						RPD = 5.58			
2 PCB-1221									1
1	1		4.267						
1	2		4.470						
1	3		4.513						
2	4		4.267						
2	5		4.407						
2	6		4.533						
3 PCB-1232									1
1	1		4.267						
1	2		4.513						
1	3		5.733						
1	4		5.970						
1	5		6.630						
2	6		4.267						
2	7		4.533						
2	8		5.743						
2	9		5.953						
2	10		6.883						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									1
1	1		4.513						
1	2		5.037						
1	3		5.733						
1	4		5.967						
1	5		6.627						
2	6		4.533						
2	7		5.743						
2	8		5.953						
2	9		6.697						
2	10		6.883						
6 PCB-1248									1
1	1		5.037						
1	2		5.733						
1	3		6.630						
1	4		7.140						
1	5		8.360						
2	6		5.083						
2	7		5.743						
2	8		6.883						
2	9		7.320						
2	10		7.360						
5 PCB-1016									1
1	1		5.050						
1	2		5.753						
1	3		5.963						
1	4		6.060						
1	5		6.623						
2	6		4.487						
2	7		5.063						
2	8		5.733						
2	9		5.940						
2	10		6.263						
7 PCB-1254									1
1	1		7.247						
1	2		8.183						
1	3		8.360						
1	4		9.163						
1	5		9.647						
2	6		7.360						
2	7		7.710						
2	8		8.463						
2	9		9.170						
2	10		9.783						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
10 PCB-5432									
1	1		8.517						
1	2		9.297						
1	3		10.190						
1	4		11.033						
1	5		12.053						
2	6		9.297						
2	7		9.980						
2	8		10.937						
2	9		11.723						
2	10		12.030						
8 PCB-1262									1
1	1		8.677						
1	2		9.853						
1	3		10.297						
1	4		10.833						
1	5		11.407						
2	6		8.800						
2	7		9.170						
2	8		9.947						
2	9		10.460						
2	10		10.910						
9 PCB-1260									1
1	1		8.683						
1	2		9.653						
1	3		10.290						
1	4		10.843						
1	5		11.343						
2	6		8.800						
2	7		9.167						
2	8		9.943						
2	9		10.457						
2	10		10.907						
12 PCB-1268									1
1	1		11.407						
1	2		11.507						
1	3		11.813						
1	4		11.987						
1	5		12.983						
2	6		11.553						
2	7		11.667						
2	8		12.087						
2	9		12.263						
2	10		13.170						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
11 PCB-5442									
1	1		11.517						
1	2		12.143						
1	3		12.597						
1	4		12.907						
1	5		13.293						
2	6		12.320						
2	7		12.570						
2	8		12.727						
2	9		13.047						
2	10		13.483						
$ 13 DCB Decachlorobiphenyl									
1	1	13.303	13.310	-0.007	159453	20.5			
2	2	13.567	13.570	-0.003	108161	20.4			
						RPD = 0.42			
14 PCB-5460									
1	1		14.757						
1	2		15.080						
1	3		15.587						
1	4		15.960						
1	5		16.697						
2	6		15.110						
2	7		15.600						
2	8		15.980						
2	9		17.247						
2	10		18.077						
S 15 Polychlorinated biphenyls, Total									
1	1		17.000						
2	2		14.000						

QC Flag Legend

Processing Flags
1 - Missing Peaks

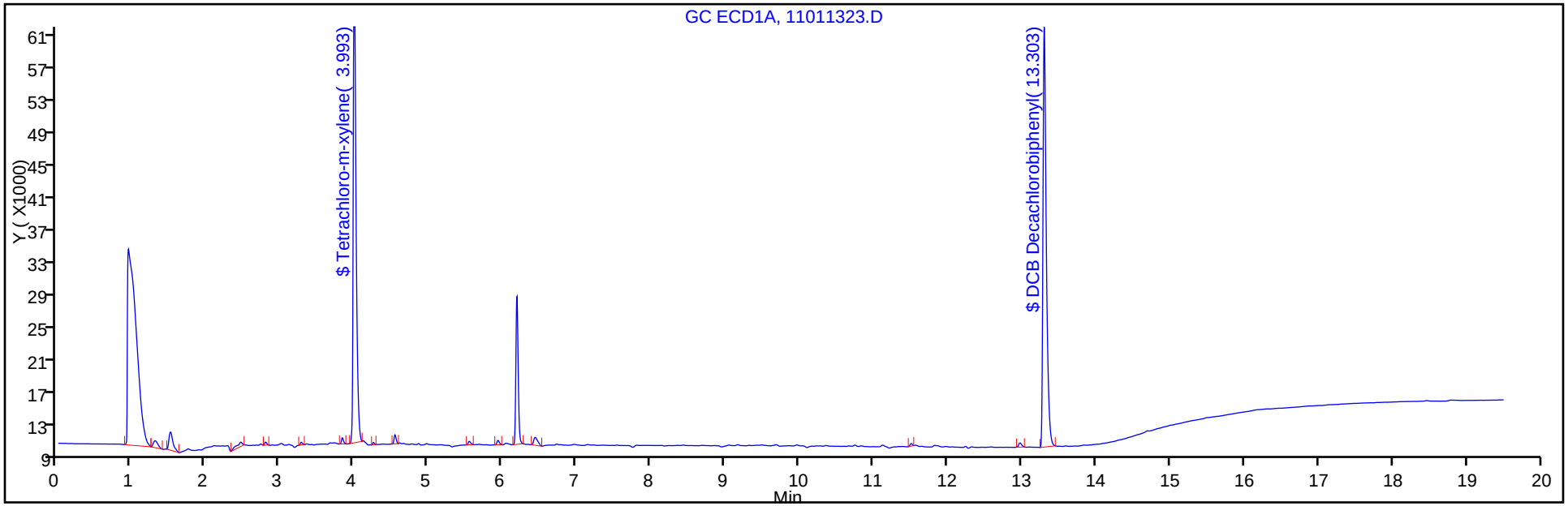
Report Date: 02-Nov-2013 08:48:28 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

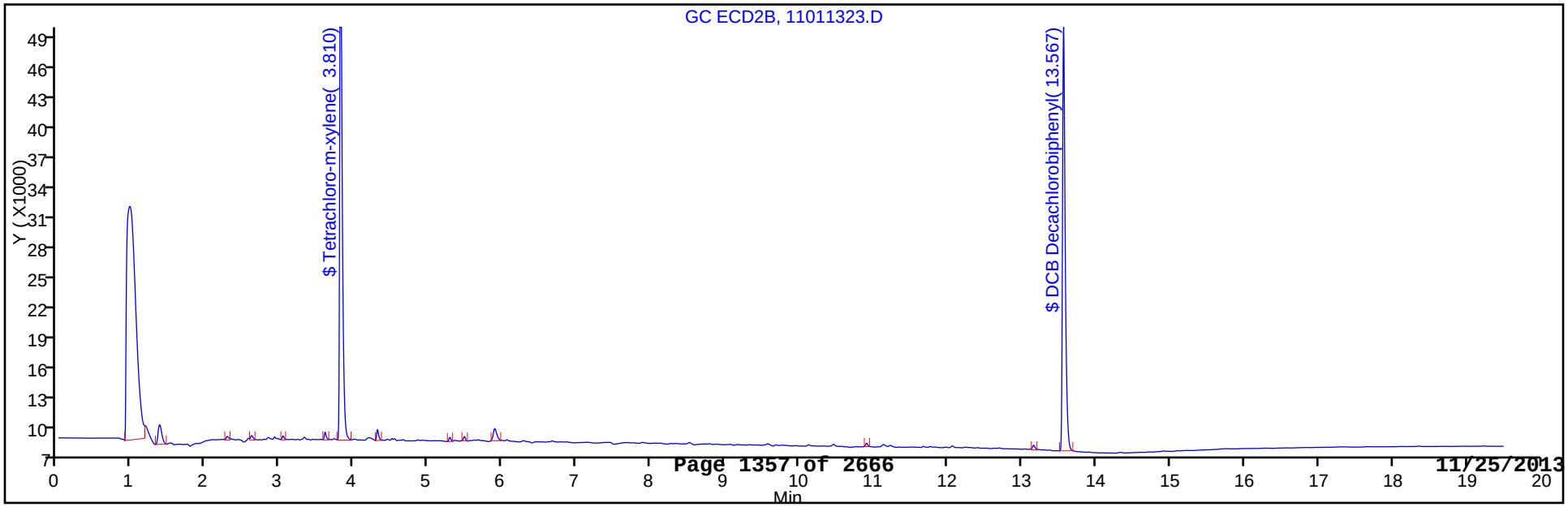
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011323.D

Injection Date:	01-Nov-2013 16:40:37	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	23
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198319/4-A

Matrix: Solid | Lab File ID: 11011324.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.3(g) | Date Analyzed: 11/01/2013 17:03

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198824 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	57.7		33	9.9	5.0
11096-82-5	PCB-1260	63.5		33	9.9	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		60-125
877-09-8	Tetrachloro-m-xylene	86		53-128

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011324.D		
Lims ID:	LCS 280-198319/4-A	Client ID:	
Inject. Date:	01-Nov-2013 17:03:39	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 280-198319/4		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	198824	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	158457	17.2			
2	2	3.810	3.813	-0.003	131546	17.9			
						RPD = 3.93			
5 PCB-1016									
1	1	5.043	5.050	-0.007	77966	189.0		100.0	
1	2	5.747	5.753	-0.006	129716	173.4	144.0- 224.0	166.4	
1	3	5.960	5.963	-0.003	56073	169.9	42.1- 122.1	71.9	
1	4	6.053	6.060	-0.007	33450	156.1	14.1- 94.1	42.9	
1	5	6.617	6.623	-0.006	67767	185.6	48.4- 128.4	86.9	
			Average of Peak Amounts =			174.8			
2	6	4.483	4.487	-0.004	32024	200.7		100.0	
2	7	5.060	5.063	-0.003	67883	200.5	168.4- 248.4	212.0	
2	8	5.727	5.733	-0.006	112395	192.9	317.6- 397.6	351.0	
2	9	5.937	5.940	-0.003	59189	214.3	127.5- 207.5	184.8	
2	10	6.257	6.263	-0.006	28348	194.1	47.1- 127.1	88.5	
			Average of Peak Amounts =			200.5			
						RPD = 13.69			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.680	8.683	-0.003	95533	192.0		100.0	
1	2	9.647	9.653	-0.006	142512	177.8	125.9- 205.9	149.2	
1	3	10.287	10.290	-0.003	78811	202.9	43.2- 123.2	82.5	
1	4	10.837	10.843	-0.006	173196	201.1	144.8- 224.8	181.3	
1	5	11.340	11.343	-0.003	87039	188.9	54.9- 134.9	91.1	
			Average of Peak Amounts =			192.5			
2	6	8.797	8.800	-0.003	75853	198.7		100.0	
2	7	9.163	9.167	-0.004	84673	206.4	67.1- 147.1	111.6	
2	8	9.940	9.943	-0.003	62050	238.2	29.7- 109.7	81.8	
2	9	10.453	10.457	-0.004	65170	229.3	35.3- 115.3	85.9	
2	10	10.903	10.907	-0.004	127965	227.9	108.5- 188.5	168.7	
			Average of Peak Amounts =			220.1			
						RPD = 13.36			
$ 13 DCB Decachlorobiphenyl									
1	1	13.303	13.310	-0.007	161633	20.8			
2	2	13.567	13.570	-0.003	109561	20.7			
						RPD = 0.47			

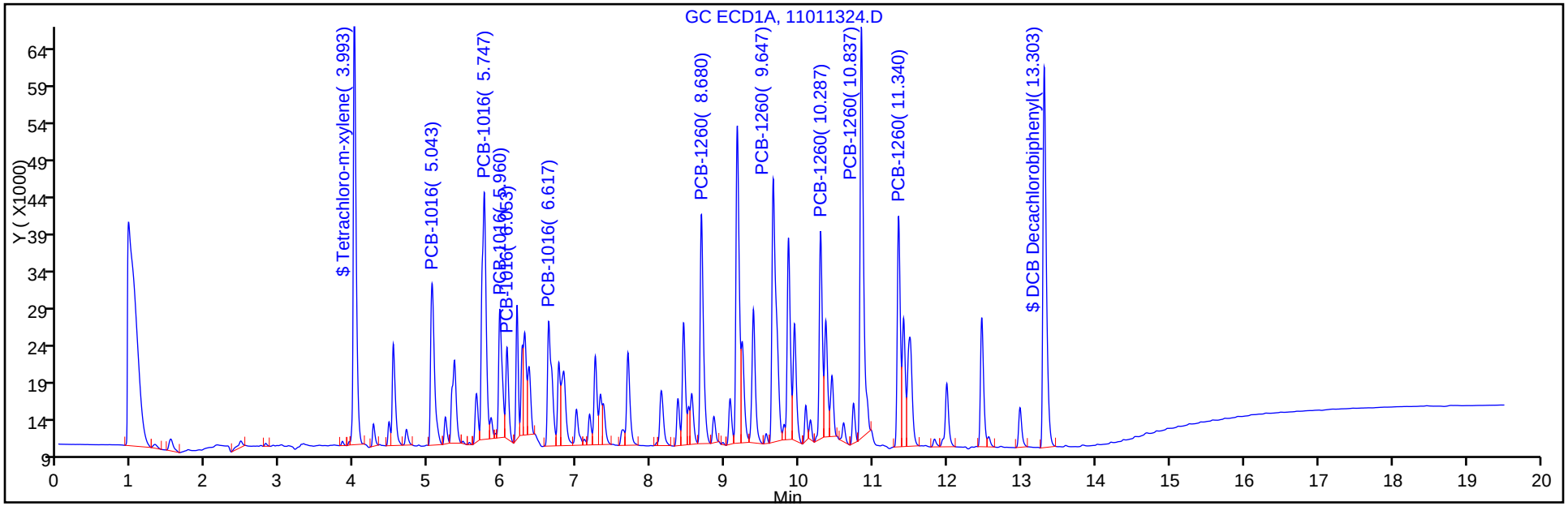
Report Date: 02-Nov-2013 08:48:29 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

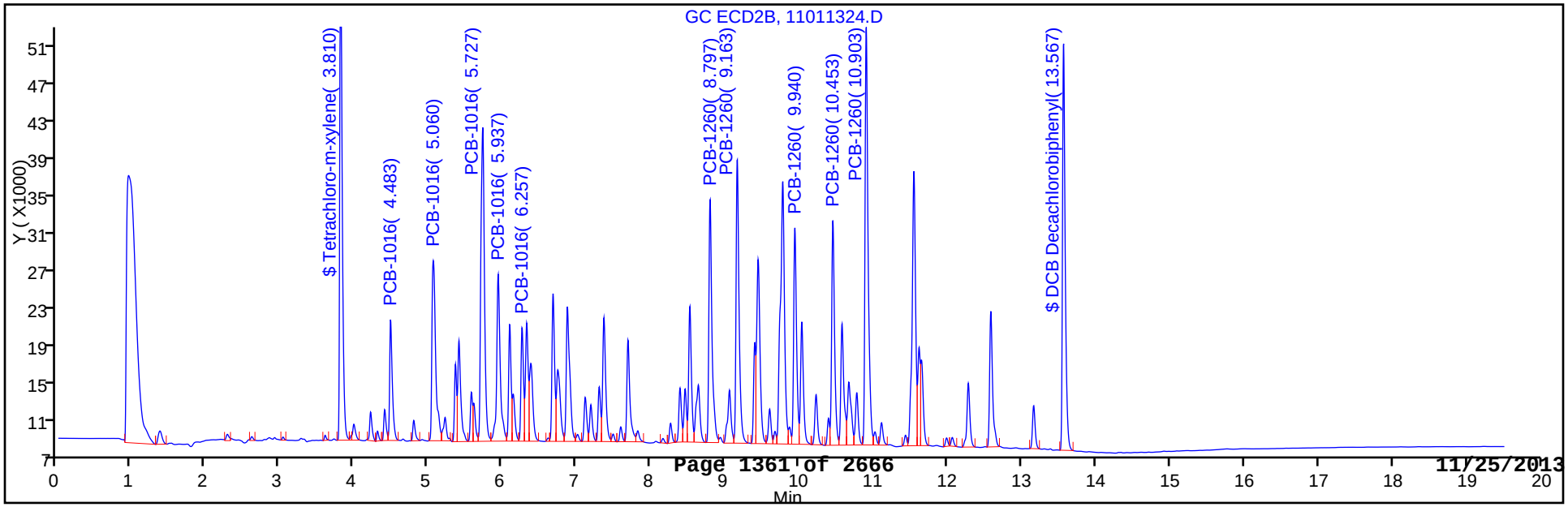
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011324.D

Injection Date:	01-Nov-2013 17:03:39	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	24
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 10/25/2013 14:57

Analysis Batch Number: 197868 End Date: 10/26/2013 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STDL71248 280-197868/1 IC		10/25/2013 14:57	1	10251301.D	CLP1 0.32(mm)
STDL71248 280-197868/1 IC		10/25/2013 14:57	1	10251301.D	CLP2 0.32(mm)
STDL61248 280-197868/2 IC		10/25/2013 15:20	1	10251302.D	CLP1 0.32(mm)
STDL61248 280-197868/2 IC		10/25/2013 15:20	1	10251302.D	CLP2 0.32(mm)
STDL51248 280-197868/3 IC		10/25/2013 15:43	1	10251303.D	CLP1 0.32(mm)
STDL51248 280-197868/3 IC		10/25/2013 15:43	1	10251303.D	CLP2 0.32(mm)
STDL41248 280-197868/4 IC		10/25/2013 16:06	1	10251304.D	CLP1 0.32(mm)
STDL41248 280-197868/4 IC		10/25/2013 16:06	1	10251304.D	CLP2 0.32(mm)
STDL31248 280-197868/5 IC		10/25/2013 16:29	1	10251305.D	CLP1 0.32(mm)
STDL31248 280-197868/5 IC		10/25/2013 16:29	1	10251305.D	CLP2 0.32(mm)
STDL21248 280-197868/6 IC		10/25/2013 16:53	1	10251306.D	CLP1 0.32(mm)
STDL21248 280-197868/6 IC		10/25/2013 16:53	1	10251306.D	CLP2 0.32(mm)
STDL11248 280-197868/7 IC		10/25/2013 17:16	1	10251307.D	CLP1 0.32(mm)
STDL11248 280-197868/7 IC		10/25/2013 17:16	1	10251307.D	CLP2 0.32(mm)
STDL72154 280-197868/8 IC		10/25/2013 17:39	1	10251308.D	CLP1 0.32(mm)
STDL72154 280-197868/8 IC		10/25/2013 17:39	1	10251308.D	CLP2 0.32(mm)
STDL62154 280-197868/9 IC		10/25/2013 18:02	1	10251309.D	CLP1 0.32(mm)
STDL62154 280-197868/9 IC		10/25/2013 18:02	1	10251309.D	CLP2 0.32(mm)
STDL52154 280-197868/10 IC		10/25/2013 18:25	1	10251310.D	CLP1 0.32(mm)
STDL52154 280-197868/10 IC		10/25/2013 18:25	1	10251310.D	CLP2 0.32(mm)
STDL42154 280-197868/11 IC		10/25/2013 18:48	1	10251311.D	CLP1 0.32(mm)
STDL42154 280-197868/11 IC		10/25/2013 18:48	1	10251311.D	CLP2 0.32(mm)
STDL32154 280-197868/12 IC		10/25/2013 19:11	1	10251312.D	CLP1 0.32(mm)
STDL32154 280-197868/12 IC		10/25/2013 19:11	1	10251312.D	CLP2 0.32(mm)
STDL22154 280-197868/13 IC		10/25/2013 19:34	1	10251313.D	CLP1 0.32(mm)
STDL22154 280-197868/13 IC		10/25/2013 19:34	1	10251313.D	CLP2 0.32(mm)
STDL12154 280-197868/14 IC		10/25/2013 19:57	1	10251314.D	CLP1 0.32(mm)
STDL12154 280-197868/14 IC		10/25/2013 19:57	1	10251314.D	CLP2 0.32(mm)
STDL71660 280-197868/15 IC		10/25/2013 20:21	1	10251315.D	CLP1 0.32(mm)
STDL71660 280-197868/15 IC		10/25/2013 20:21	1	10251315.D	CLP2 0.32(mm)
STDL61660 280-197868/16 IC		10/25/2013 20:44	1	10251316.D	CLP1 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 10/25/2013 14:57

Analysis Batch Number: 197868 End Date: 10/26/2013 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STDL61660 280-197868/16 IC		10/25/2013 20:44	1	10251316.D	CLP2 0.32(mm)
STDL51660 280-197868/17 IC		10/25/2013 21:07	1	10251317.D	CLP1 0.32(mm)
STDL51660 280-197868/17 IC		10/25/2013 21:07	1	10251317.D	CLP2 0.32(mm)
STDL41660 280-197868/18 IC		10/25/2013 21:30	1	10251318.D	CLP1 0.32(mm)
STDL41660 280-197868/18 IC		10/25/2013 21:30	1	10251318.D	CLP2 0.32(mm)
STDL31660 280-197868/19 IC		10/25/2013 21:54	1	10251319.D	CLP1 0.32(mm)
STDL31660 280-197868/19 IC		10/25/2013 21:54	1	10251319.D	CLP2 0.32(mm)
STDL21660 280-197868/20 IC		10/25/2013 22:17	1	10251320.D	CLP1 0.32(mm)
STDL21660 280-197868/20 IC		10/25/2013 22:17	1	10251320.D	CLP2 0.32(mm)
STDL11660 280-197868/21 IC		10/25/2013 22:40	1	10251321.D	CLP1 0.32(mm)
STDL11660 280-197868/21 IC		10/25/2013 22:40	1	10251321.D	CLP2 0.32(mm)
STDL73262 280-197868/22 IC		10/25/2013 23:03	1	10251322.D	CLP1 0.32(mm)
STDL73262 280-197868/22 IC		10/25/2013 23:03	1	10251322.D	CLP2 0.32(mm)
STDL63262 280-197868/23 IC		10/25/2013 23:26	1	10251323.D	CLP1 0.32(mm)
STDL63262 280-197868/23 IC		10/25/2013 23:26	1	10251323.D	CLP2 0.32(mm)
STDL53262 280-197868/24 IC		10/25/2013 23:50	1	10251324.D	CLP1 0.32(mm)
STDL53262 280-197868/24 IC		10/25/2013 23:50	1	10251324.D	CLP2 0.32(mm)
STDL43262 280-197868/25 IC		10/26/2013 00:13	1	10251325.D	CLP1 0.32(mm)
STDL43262 280-197868/25 IC		10/26/2013 00:13	1	10251325.D	CLP2 0.32(mm)
STDL33262 280-197868/26 IC		10/26/2013 00:36	1	10251326.D	CLP1 0.32(mm)
STDL33262 280-197868/26 IC		10/26/2013 00:36	1	10251326.D	CLP2 0.32(mm)
STDL23262 280-197868/27 IC		10/26/2013 00:59	1	10251327.D	CLP1 0.32(mm)
STDL23262 280-197868/27 IC		10/26/2013 00:59	1	10251327.D	CLP2 0.32(mm)
STDL13262 280-197868/28 IC		10/26/2013 01:22	1	10251328.D	CLP1 0.32(mm)
STDL13262 280-197868/28 IC		10/26/2013 01:22	1	10251328.D	CLP2 0.32(mm)
STDL74268 280-197868/29 IC		10/26/2013 01:45	1	10251329.D	CLP1 0.32(mm)
STDL74268 280-197868/29 IC		10/26/2013 01:45	1	10251329.D	CLP2 0.32(mm)
STDL64268 280-197868/30 IC		10/26/2013 02:08	1	10251330.D	CLP1 0.32(mm)
STDL64268 280-197868/30 IC		10/26/2013 02:08	1	10251330.D	CLP2 0.32(mm)
STDL54268 280-197868/31 IC		10/26/2013 02:31	1	10251331.D	CLP1 0.32(mm)
STDL54268 280-197868/31 IC		10/26/2013 02:31	1	10251331.D	CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 10/25/2013 14:57

Analysis Batch Number: 197868 End Date: 10/26/2013 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STDL44268 280-197868/32 IC		10/26/2013 02:54	1	10251332.D	CLP1 0.32(mm)
STDL44268 280-197868/32 IC		10/26/2013 02:54	1	10251332.D	CLP2 0.32(mm)
STDL34268 280-197868/33 IC		10/26/2013 03:17	1	10251333.D	CLP1 0.32(mm)
STDL34268 280-197868/33 IC		10/26/2013 03:17	1	10251333.D	CLP2 0.32(mm)
STDL24268 280-197868/34 IC		10/26/2013 03:41	1	10251334.D	CLP1 0.32(mm)
STDL24268 280-197868/34 IC		10/26/2013 03:41	1	10251334.D	CLP2 0.32(mm)
STDL14268 280-197868/35 IC		10/26/2013 04:04	1	10251335.D	CLP1 0.32(mm)
STDL14268 280-197868/35 IC		10/26/2013 04:04	1	10251335.D	CLP2 0.32(mm)
ICV 280-197868/36		10/26/2013 04:27	1	10251336.D	CLP1 0.32(mm)
ICV 280-197868/36		10/26/2013 04:27	1	10251336.D	CLP2 0.32(mm)
ICV 280-197868/37		10/26/2013 04:51	1	10251337.D	CLP1 0.32(mm)
ICV 280-197868/37		10/26/2013 04:51	1	10251337.D	CLP2 0.32(mm)
ICV 280-197868/38		10/26/2013 05:14	1	10251338.D	CLP1 0.32(mm)
ICV 280-197868/38		10/26/2013 05:14	1	10251338.D	CLP2 0.32(mm)
ICV 280-197868/39		10/26/2013 05:37	1	10251339.D	CLP1 0.32(mm)
ICV 280-197868/39		10/26/2013 05:37	1	10251339.D	CLP2 0.32(mm)
ICV 280-197868/40		10/26/2013 06:01	1	10251340.D	CLP1 0.32(mm)
ICV 280-197868/40		10/26/2013 06:01	1	10251340.D	CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 11/01/2013 08:56

Analysis Batch Number: 198824 End Date: 11/01/2013 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 280-198824/3		11/01/2013 08:56	1	11011303.D	CLP1 0.32(mm)
CCVRT 280-198824/3		11/01/2013 08:56	1	11011303.D	CLP2 0.32(mm)
ZZZZZ		11/01/2013 09:19	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 09:19	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 09:42	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 09:42	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 10:06	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 10:06	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 10:29	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 10:29	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 10:52	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 10:52	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 11:15	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 11:15	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 11:39	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 11:39	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 12:02	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 12:02	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 12:25	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 12:25	1		CLP2 0.32(mm)
CCV 280-198824/13		11/01/2013 12:48	1		CLP1 0.32(mm)
CCV 280-198824/13		11/01/2013 12:48	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 13:11	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 13:11	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 13:34	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 13:34	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 13:58	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 13:58	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 14:21	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 14:21	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 14:45	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 14:45	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 15:08	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 15:08	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 15:31	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 15:31	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 15:54	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 15:54	1		CLP2 0.32(mm)
CCV 280-198824/22		11/01/2013 16:17	1	11011322.D	CLP1 0.32(mm)
CCV 280-198824/22		11/01/2013 16:17	1	11011322.D	CLP2 0.32(mm)
MB 280-198319/1-A		11/01/2013 16:40	1	11011323.D	CLP1 0.32(mm)
MB 280-198319/1-A		11/01/2013 16:40	1	11011323.D	CLP2 0.32(mm)
LCS 280-198319/4-A		11/01/2013 17:03	1	11011324.D	CLP1 0.32(mm)
LCS 280-198319/4-A		11/01/2013 17:03	1	11011324.D	CLP2 0.32(mm)
ZZZZZ		11/01/2013 17:26	1		CLP1 0.32(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 11/01/2013 08:56

Analysis Batch Number: 198824 End Date: 11/01/2013 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/01/2013 17:26	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 17:50	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 17:50	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 18:13	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 18:13	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 18:36	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 18:36	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 19:00	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 19:00	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 19:23	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 19:23	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 19:46	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 19:46	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 20:09	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 20:09	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 20:32	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 20:32	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 20:55	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 20:55	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 21:18	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 21:18	1		CLP2 0.32(mm)
280-48486-1	AOI474BF	11/01/2013 21:42	1	11011336.D	CLP1 0.32(mm)
280-48486-1	AOI474BF	11/01/2013 21:42	1	11011336.D	CLP2 0.32(mm)
CCV 280-198824/38		11/01/2013 22:28	1	11011338.D	CLP1 0.32(mm)
CCV 280-198824/38		11/01/2013 22:28	1	11011338.D	CLP2 0.32(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198319 Batch Start Date: 10/29/13 18:50 Batch Analyst: Pottruff, Erma J

Batch Method: 3546 Batch End Date: 10/30/13 11:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8081/82 Surr 00061	8082 LCS 00034	AnalysisComment	
MB 280-198319/1		3546, 8082A		30.4 g	10000 uL	1 mL			
LCS 280-198319/4		3546, 8082A		30.3 g	10000 uL	1 mL	1 mL	82	
280-48486-A-1	AOI474BF	3546, 8082A	T	30.1 g	10000 uL	1 mL			

Batch Notes	
Balance ID	24350888
Batch Comment	weighed by EJ filtered by EJ pip: OP-P1 (11.3)/ OP-P3 (2.00)
Person's name who did the concentration	Adams, A./ Scoles, B.
Exchange Solvent Lot #	Hexane_Cycl_00018
Exchange Solvent Name	Hexane
Final Concentrator Volume	10 mL
Florisil Lot #	930673; FlorisilSol_00046; By Adams, A.; pip: I (1mLx2)
MeCL2 Lot #	MeCl2_Cycl_00130
MeCl2/Acetone Lot #	1:1AceMeCl2_00034
Microwave Start Time	10/29/13 @ 1945
Microwave Stop Time	10/29/13 @ 2145
Na2SO4 Lot Number	K10624_0001
Ottawa Sand Lot #	2BI0314
Pipette ID	E
Person's name who did the prep	Erma P
SOP Number	DV OP 0015/0007
Person who witnessed spiking	BJ
Water Bath ID	A
Water Bath Temperature	88 (Obs: 87)

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

Project: Griffiss AFB Building 3

Client Sample ID	Lab Sample ID
AOI474BF	280-48486-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474BF
Lab Sample ID: 280-48486-1
Lab Name: TestAmerica Denver
Job No.: 280-48486-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/25/2013 11:00
Reporting Basis: DRY
Date Received: 10/28/2013 08:35
% Solids: 89.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5300	55	3.3	1.7	mg/Kg			1	6010C
Antimony	0.66	2.2	0.66	0.42	mg/Kg	U		1	6010C
Arsenic	3.9	2.8	1.1	0.73	mg/Kg			1	6010C
Barium	24	2.2	0.20	0.084	mg/Kg			1	6010C
Beryllium	0.26	0.55	0.077	0.036	mg/Kg	J		1	6010C
Boron	2.2	11	1.1	1.1	mg/Kg	J		1	6010C
Cadmium	0.11	0.55	0.11	0.045	mg/Kg	J		1	6010C
Calcium	12000	110	22	16	mg/Kg			1	6010C
Chromium	5.9	3.9	0.17	0.064	mg/Kg			1	6010C
Cobalt	4.0	1.1	0.22	0.11	mg/Kg			1	6010C
Copper	14	5.5	0.55	0.24	mg/Kg			1	6010C
Iron	11000	88	5.5	4.2	mg/Kg			1	6010C
Lead	5.2	0.99	0.88	0.30	mg/Kg			1	6010C
Magnesium	3200	33	5.5	4.1	mg/Kg			1	6010C
Manganese	420	5.0	0.17	0.11	mg/Kg		Q	1	6010C
Molybdenum	0.55	2.8	0.55	0.29	mg/Kg	U		1	6010C
Nickel	8.5	4.4	0.22	0.14	mg/Kg			1	6010C
Potassium	770	330	55	45	mg/Kg			1	6010C
Selenium	1.3	3.3	1.3	0.95	mg/Kg	U		1	6010C
Silver	0.22	1.7	0.22	0.18	mg/Kg	U		1	6010C
Sodium	110	550	110	65	mg/Kg	U		1	6010C
Strontium	19	1.7	0.088	0.040	mg/Kg		Q	1	6010C
Thallium	1.3	3.3	1.3	0.72	mg/Kg	U		1	6010C
Vanadium	9.5	2.2	0.22	0.10	mg/Kg		Q	1	6010C
Zinc	29	8.8	0.88	0.44	mg/Kg			1	6010C
Mercury	13	20	15	6.4	ug/Kg	J		1	7471B

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	ICVH 280-200251/6 11/08/2013 14:44				CCVH 280-200251/62 11/08/2013 19:39				CCVH 280-200251/73 11/08/2013 20:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	81000		80000	101	48600		50000	97	49400		50000	99
Sodium	42000		40000	105	256000		250000	103	256000		250000	102
Aluminum	40900		40000	102	51300		50000	103	51100		50000	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	CCVH 280-200251/82 11/08/2013 20:24											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	49200		50000	98								
Sodium	258000		250000	103								
Aluminum	51500		50000	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	ICV 280-200251/8 11/08/2013 14:57				ICV 280-200251/9 11/08/2013 14:59				CCV 280-200251/63 11/08/2013 19:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	248		250	99	252		250	101	987		1000	99
Barium	253		250	101	252		250	101	509		500	102
Beryllium	245		250	98	243		250	97	503		500	101
Cadmium	253		250	101	253		250	101	503		500	101
Calcium	2060		2000	103	2030		2000	102	5060		5000	101
Chromium	254		250	101	254		250	102	497		500	99
Cobalt	253		250	101	255		250	102	508		500	102
Copper	253		250	101	255		250	102	512		500	102
Iron	257		250	103	255		250	102	2420		2500	97
Lead	257		250	103	257		250	103	1020		1000	102
Magnesium	9990		10000	100	10100		10000	101	19700		20000	99
Manganese	252		250	101	254		250	102	504		500	101
Molybdenum	249		250	100	250		250	100	498		500	100
Nickel	256		250	102	256		250	102	505		500	101
Potassium	20300		20000	102	20100		20000	101	51400		50000	103
Selenium	495		500	99	497		500	99	991		1000	99
Silver	251		250	100	252		250	101	498		500	100
Sodium	2030		2000	101	2030		2000	101	5420		5000	108
Strontium	251		250	100	250		250	100	504		500	101
Thallium	523		500	105	527		500	105	1040		1000	104
Vanadium	248		250	99	249		250	100	508		500	102
Zinc	254		250	102	256		250	103	499		500	100
Aluminum	269		250	108	269		250	108	521		500	104
Antimony	255		250	102	257		250	103	1020		1000	102
Boron	252		250	101	252		250	101	512		500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	CCV 280-200251/74 11/08/2013 20:06				CCV 280-200251/83 11/08/2013 20:26							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	988		1000	99	988		1000	99				
Barium	509		500	102	509		500	102				
Beryllium	502		500	100	500		500	100				
Cadmium	503		500	101	502		500	100				
Calcium	5050		5000	101	5060		5000	101				
Chromium	499		500	100	498		500	100				
Cobalt	510		500	102	509		500	102				
Copper	513		500	103	507		500	101				
Iron	2450		2500	98	2440		2500	97				
Lead	1030		1000	103	1030		1000	103				
Magnesium	19800		20000	99	19800		20000	99				
Manganese	507		500	101	505		500	101				
Molybdenum	501		500	100	498		500	100				
Nickel	506		500	101	505		500	101				
Potassium	51400		50000	103	51400		50000	103				
Selenium	992		1000	99	988		1000	99				
Silver	498		500	100	495		500	99				
Sodium	5330		5000	107	5310		5000	106				
Strontium	505		500	101	504		500	101				
Thallium	1040		1000	104	1040		1000	104				
Vanadium	510		500	102	507		500	101				
Zinc	505		500	101	502		500	100				
Aluminum	529		500	106	533		500	107				
Antimony	1020		1000	102	1010		1000	101				
Boron	503		500	101	500		500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01011 Concentration Units: ug/L

CCV Source: ICP LLCCV_01011

Analyte	ICVL 280-200251/10 11/08/2013 15:16				CCVL 280-200251/65 11/08/2013 19:46				CCVL 280-200251/76 11/08/2013 20:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	13.9	J	15.0	92	12.4	J	15.0	83	13.8	J	15.0	92
Barium	9.90	J	10.0	99	10.2		10.0	102	11.1		10.0	111
Beryllium	1.11		1.00	111	1.09		1.00	109	1.18		1.00	118
Cadmium	5.67		5.00	113	5.33		5.00	107	5.35		5.00	107
Calcium	213		200	107	211		200	106	221		200	110
Chromium	10.8		10.0	108	10.4		10.0	104	10.6		10.0	106
Cobalt	10.6		10.0	106	10.5		10.0	105	10.9		10.0	109
Copper	15.6		15.0	104	15.2		15.0	102	15.9		15.0	106
Iron	106		100	106	103		100	103	118		100	118
Lead	11.4		9.00	127	10.3		9.00	114	10.7		9.00	118
Magnesium	209		200	105	205		200	103	211		200	106
Manganese	10.4		10.0	104	10.4		10.0	104	10.6		10.0	106
Molybdenum	20.2		20.0	101	20.0		20.0	100	20.4		20.0	102
Nickel	42.2		40.0	106	42.2		40.0	105	42.4		40.0	106
Potassium	3090		3000	103	3140		3000	105	3270		3000	109
Selenium	14.9	J	15.0	99	16.9		15.0	113	15.1		15.0	101
Silver	9.75	J	10.0	98	10.3		10.0	103	9.73	J	10.0	97
Sodium	1040		1000	104	1140		1000	114	1150		1000	115
Strontium	10.4		10.0	104	10.2		10.0	102	10.7		10.0	107
Thallium	17.1		15.0	114	17.4		15.0	116	16.8		15.0	112
Vanadium	9.28	J	10.0	93	9.82	J	10.0	98	9.93	J	10.0	99
Zinc	24.4		20.0	122	23.7		20.0	118	25.7		20.0	129
Aluminum	113		100	113	109		100	109	115		100	115
Antimony	11.2		10.0	112	11.8		10.0	118	11.0		10.0	110
Boron	97.1	J	100	97	105		100	105	101		100	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01011 Concentration Units: ug/L

CCV Source: ICP LLCCV_01011

Analyte	CCVL 280-200251/85 11/08/2013 20:30											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	17.2		15.0	115								
Barium	10.6		10.0	106								
Beryllium	1.11		1.00	111								
Cadmium	5.15		5.00	103								
Calcium	212		200	106								
Chromium	10.5		10.0	105								
Cobalt	10.3		10.0	103								
Copper	15.4		15.0	103								
Iron	109		100	109								
Lead	11.2		9.00	124								
Magnesium	209		200	105								
Manganese	10.4		10.0	104								
Molybdenum	20.3		20.0	101								
Nickel	41.7		40.0	104								
Potassium	3150		3000	105								
Selenium	16.5		15.0	110								
Silver	9.34	J	10.0	93								
Sodium	1090		1000	109								
Strontium	10.3		10.0	103								
Thallium	15.8		15.0	105								
Vanadium	10.2		10.0	102								
Zinc	24.5		20.0	122								
Aluminum	118		100	118								
Antimony												
Boron	96.7	J	100	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	ICVH 280-200481/6 11/11/2013 15:37				CCVH 280-200481/74 11/11/2013 18:39				CCVH 280-200481/85 11/11/2013 19:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40800		40000	102	51400		50000	103	51300		50000	103
Iron	81000		80000	101	50900		50000	102	51000		50000	102
Sodium	41800		40000	105	260000		250000	104	259000		250000	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	CCVH 280-200481/94 11/11/2013 19:24											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	51200		50000	102								
Iron	50600		50000	101								
Sodium	260000		250000	104								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	ICV 280-200481/7 11/11/2013 15:42				CCV 280-200481/75 11/11/2013 18:42				CCV 280-200481/86 11/11/2013 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	255		250	102	523		500	105	523		500	105
Boron	256		250	102	501		500	100	502		500	100
Antimony	249		250	99	995		1000	99	998		1000	100
Arsenic	251		250	100	996		1000	100	998		1000	100
Barium	250		250	100	495		500	99	495		500	99
Beryllium	243		250	97	492		500	98	493		500	99
Cadmium	252		250	101	500		500	100	500		500	100
Calcium	2020		2000	101	5040		5000	101	5050		5000	101
Chromium	252		250	101	506		500	101	505		500	101
Cobalt	254		250	102	504		500	101	504		500	101
Copper	252		250	101	497		500	99	501		500	100
Iron	251		250	100	2480		2500	99	2510		2500	100
Lead	255		250	102	1020		1000	102	1020		1000	102
Magnesium	10000		10000	100	19600		20000	98	19800		20000	99
Manganese	251		250	101	492		500	98	497		500	99
Molybdenum	247		250	99	510		500	102	509		500	102
Nickel	255		250	102	509		500	102	510		500	102
Potassium	20000		20000	100	50100		50000	100	50300		50000	101
Selenium	507		500	101	999		1000	100	1000		1000	100
Silver	253		250	101	494		500	99	497		500	99
Sodium	2040		2000	102	5370		5000	107	5230		5000	105
Strontium	248		250	99	494		500	99	494		500	99
Thallium	523		500	105	1020		1000	102	1020		1000	102
Vanadium	245		250	98	493		500	99	500		500	100
Zinc	250		250	100	497		500	99	503		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	CCV 280-200481/95 11/11/2013 19:26											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	532		500	106								
Boron	500		500	100								
Antimony	1000		1000	100								
Arsenic	1000		1000	100								
Barium	502		500	100								
Beryllium	498		500	100								
Cadmium	501		500	100								
Calcium	5100		5000	102								
Chromium	508		500	102								
Cobalt	506		500	101								
Copper	503		500	101								
Iron	2520		2500	101								
Lead	1020		1000	102								
Magnesium	20000		20000	100								
Manganese	500		500	100								
Molybdenum	513		500	103								
Nickel	512		500	102								
Potassium	51100		50000	102								
Selenium	1010		1000	101								
Silver	499		500	100								
Sodium	5220		5000	104								
Strontium	501		500	100								
Thallium	1030		1000	103								
Vanadium	503		500	101								
Zinc	510		500	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01012 Concentration Units: ug/L

CCV Source: ICP LLCCV_01012

Analyte	ICVL 280-200481/8 11/11/2013 15:45				CCVL 280-200481/77 11/11/2013 18:46				CCVL 280-200481/88 11/11/2013 19:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	107		100	107	109		100	109	108		100	108
Boron	98.7	J	100	99	103		100	103	101		100	101
Antimony	10.4		10.0	104	9.29	J	10.0	93	7.43	J	10.0	74
Arsenic	16.4		15.0	110	18.2		15.0	121	16.9		15.0	112
Barium	10.6		10.0	106	11.3		10.0	113	10.4		10.0	104
Beryllium	1.03		1.00	103	1.15		1.00	115	0.960	J	1.00	96
Cadmium	5.27		5.00	105	5.20		5.00	104	5.16		5.00	103
Calcium	223		200	111					216		200	108
Chromium	10.7		10.0	107	10.6		10.0	106	10.6		10.0	106
Cobalt	11.0		10.0	110	11.3		10.0	113	11.1		10.0	111
Copper	16.1		15.0	107	16.3		15.0	108	15.8		15.0	105
Iron	108		100	108	122		100	122	105		100	105
Lead	10.7		9.00	119	9.85		9.00	109	10.2		9.00	114
Magnesium	217		200	108	214		200	107	211		200	106
Manganese	10.9		10.0	109	10.5		10.0	105	10.5		10.0	105
Molybdenum	20.7		20.0	104	20.7		20.0	104	20.5		20.0	103
Nickel	43.5		40.0	109	43.7		40.0	109	43.9		40.0	110
Potassium	3180		3000	106	3240		3000	108	3160		3000	105
Selenium	16.5		15.0	110	13.9	J	15.0	93	12.8	J	15.0	85
Silver	10.6		10.0	106	10.8		10.0	108	10.7		10.0	107
Sodium	1100		1000	110					1110		1000	111
Strontium	10.6		10.0	106					10.5		10.0	105
Thallium	17.7		15.0	118	16.6		15.0	111	16.4		15.0	109
Vanadium	10.5		10.0	105	10.3		10.0	103	10.5		10.0	105
Zinc	23.1		20.0	115	23.5		20.0	118	23.1		20.0	116

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01012 Concentration Units: ug/L

CCV Source: ICP LLCCV_01012

CCVL 280-200481/97
11/11/2013 19:31

Analyte	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	114		100	114								
Boron	103		100	103								
Antimony	11.5		10.0	115								
Arsenic	17.4		15.0	116								
Barium	10.6		10.0	106								
Beryllium	1.07		1.00	107								
Cadmium	5.41		5.00	108								
Calcium	226		200	113								
Chromium	11.0		10.0	110								
Cobalt	11.2		10.0	112								
Copper	16.4		15.0	109								
Iron	111		100	111								
Lead	10.1		9.00	112								
Magnesium	220		200	110								
Manganese	10.9		10.0	109								
Molybdenum	21.1		20.0	105								
Nickel	44.6		40.0	111								
Potassium	3220		3000	107								
Selenium	13.1	J	15.0	87								
Silver	11.3		10.0	113								
Sodium	1120		1000	112								
Strontium	10.7		10.0	107								
Thallium	17.4		15.0	116								
Vanadium	10.9		10.0	109								
Zinc	24.5		20.0	123								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00123 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	ICVH 280-201175/6 11/14/2013 14:37				CCVH 280-201175/34 11/14/2013 16:48				CCVH 280-201175/45 11/14/2013 17:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39400		40000	99	50200		50000	100	50700		50000	101
Iron	80100		80000	100	50700		50000	101	51300		50000	103
Sodium	41300		40000	103	251000		250000	101	253000		250000	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00123 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	CCVH 280-201175/59 11/14/2013 18:03											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	49900		50000	100								
Iron	50500		50000	101								
Sodium	250000		250000	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	ICV 280-201175/7 11/14/2013 14:40				CCV 280-201175/35 11/14/2013 16:50				CCV 280-201175/46 11/14/2013 17:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	246		250	98	1020		1000	102	1010		1000	101
Aluminum	258		250	103	519		500	104	543		500	109
Arsenic	249		250	100	1010		1000	101	1000		1000	100
Barium	248		250	99	502		500	100	500		500	100
Beryllium	239		250	96	493		500	99	489		500	98
Boron	255		250	102	506		500	101	506		500	101
Cadmium	249		250	99	497		500	99	494		500	99
Calcium	1990		2000	100	4940		5000	99	4930		5000	99
Chromium	251		250	100	514		500	103	516		500	103
Cobalt	249		250	100	506		500	101	505		500	101
Copper	247		250	99	503		500	101	500		500	100
Iron	261		250	104	2560		2500	102	2580		2500	103
Lead	248		250	99	997		1000	100	997		1000	100
Magnesium	10000		10000	100	19900		20000	99	20100		20000	101
Manganese	250		250	100	496		500	99	499		500	100
Molybdenum	246		250	98	513		500	103	516		500	103
Nickel	254		250	102	516		500	103	519		500	104
Potassium	19700		20000	98	49200		50000	98	48900		50000	98
Selenium	511		500	102	1010		1000	101	1010		1000	101
Silver	254		250	102	509		500	102	513		500	103
Sodium	2040		2000	102	5100		5000	102	5140		5000	103
Strontium	246		250	98	498		500	100	495		500	99
Thallium	508		500	102	1010		1000	101	1010		1000	101
Vanadium	244		250	97	492		500	98	496		500	99
Zinc	255		250	102	500		500	100	507		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	CCV 280-201175/60 11/14/2013 18:05											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	999		1000	100								
Aluminum	526		500	105								
Arsenic	996		1000	100								
Barium	493		500	99								
Beryllium	479		500	96								
Boron	501		500	100								
Cadmium	489		500	98								
Calcium	4830		5000	97								
Chromium	512		500	102								
Cobalt	499		500	100								
Copper	497		500	99								
Iron	2520		2500	101								
Lead	986		1000	99								
Magnesium	19900		20000	100								
Manganese	493		500	99								
Molybdenum	511		500	102								
Nickel	514		500	103								
Potassium	48100		50000	96								
Selenium	1010		1000	101								
Silver	512		500	102								
Sodium	5010		5000	100								
Strontium	488		500	98								
Thallium	999		1000	100								
Vanadium	488		500	98								
Zinc	503		500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01015 Concentration Units: ug/L

CCV Source: ICP LLCCV_01015

Analyte	ICVL 280-201175/9 11/14/2013 15:04				ICVL 280-201175/10 11/14/2013 15:07				CCVL 280-201175/37 11/14/2013 17:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	9.85	J	10.0	99	11.8		10.0	118	9.96	J	10.0	100
Aluminum	105		100	105	106		100	106	108		100	108
Arsenic	14.5	J	15.0	97	14.4	J	15.0	96	13.7	J	15.0	91
Barium	10.5		10.0	105	10.2		10.0	102	10.2		10.0	102
Beryllium	0.890	J	1.00	89	1.03		1.00	103	1.04		1.00	104
Boron	99.4	J	100	99	101		100	101	98.7	J	100	99
Cadmium	4.96	J	5.00	99	5.08		5.00	102	5.00		5.00	100
Calcium	211		200	106	217		200	109	220		200	110
Chromium	10.3		10.0	103	10.4		10.0	104	10.5		10.0	105
Cobalt	10.1		10.0	101	10.5		10.0	105	10.5		10.0	105
Copper	15.1		15.0	101	15.1		15.0	101	15.3		15.0	102
Iron	99.9	J	100	100	102		100	102	101		100	101
Lead	8.85	J	9.00	98	8.40	J	9.00	93	8.01	J	9.00	89
Magnesium	206		200	103	208		200	104	207		200	104
Manganese	10.2		10.0	102	10.4		10.0	104	10.2		10.0	102
Molybdenum	20.3		20.0	102	20.4		20.0	102	19.6	J	20.0	98
Nickel	41.4		40.0	103	41.9		40.0	105	42.5		40.0	106
Potassium	2980	J	3000	99	3060		3000	102	3010		3000	100
Selenium	16.1		15.0	107	13.1	J	15.0	87	15.3		15.0	102
Silver	10.2		10.0	102	10.1		10.0	101	10.6		10.0	106
Sodium	991	J	1000	99	1030		1000	103	1050		1000	105
Strontium	10.0		10.0	100	10.0		10.0	100	9.96	J	10.0	100
Thallium	16.3		15.0	108	15.7		15.0	105	16.7		15.0	111
Vanadium	9.85	J	10.0	99	10.4		10.0	104	9.59	J	10.0	96
Zinc	20.7		20.0	103	21.4		20.0	107	25.2		20.0	126

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01015 Concentration Units: ug/L

CCV Source: ICP LLCCV_01015

Analyte	CCVL 280-201175/48 11/14/2013 17:29				CCVL 280-201175/62 11/14/2013 18:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	11.5		10.0	115	11.6		10.0	116				
Aluminum	111		100	111	109		100	109				
Arsenic	11.6	J	15.0	77	14.7	J	15.0	98				
Barium	10.5		10.0	105	10.7		10.0	107				
Beryllium	1.02		1.00	102	1.05		1.00	105				
Boron	99.8	J	100	100	100		100	100				
Cadmium	4.77	J	5.00	95	4.99	J	5.00	100				
Calcium	217		200	109	214		200	107				
Chromium	10.7		10.0	107	10.6		10.0	106				
Cobalt	10.6		10.0	106	10.5		10.0	105				
Copper	15.4		15.0	103	14.7	J	15.0	98				
Iron	104		100	104	103		100	103				
Lead	9.83		9.00	109	9.25		9.00	103				
Magnesium	211		200	105	213		200	106				
Manganese	10.5		10.0	105	10.4		10.0	104				
Molybdenum	20.1		20.0	100	20.4		20.0	102				
Nickel	43.1		40.0	108	43.3		40.0	108				
Potassium	2960	J	3000	99	3020		3000	101				
Selenium	19.0		15.0	127	11.8	J	15.0	79				
Silver	9.64	J	10.0	96	9.75	J	10.0	98				
Sodium	1070		1000	107	1090		1000	109				
Strontium	9.90	J	10.0	99	10.1		10.0	101				
Thallium	16.3		15.0	109	15.8		15.0	105				
Vanadium	9.63	J	10.0	96	9.64	J	10.0	96				
Zinc	25.0		20.0	125	25.1		20.0	125				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: Hg Soil ICV_00098 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00493

Analyte	ICV 280-200988/8 11/13/2013 17:57				CCV 280-200988/23 11/13/2013 18:38				CCV 280-200988/35 11/13/2013 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.23		4.00	106	5.31		5.00	106	5.41		5.00	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: Hg Soil ICV_00098 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00493

Analyte	CCV 280-200988/42 11/13/2013 19:22											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.37		5.00	107								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-200251/14 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01033

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	106		106	80-120
Antimony	10.0	10.1		101	80-120
Arsenic	10.0	10.3	J	103	80-120
Beryllium	1.00	1.10		110	80-120
Boron	100	92.6	J	93	80-120
Cadmium	5.00	4.82	J	96	80-120
Calcium	200	205		102	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	4.91	J	98	80-120
Copper	10.0	9.42	J	94	80-120
Lead	3.00	3.43	J	114	80-120
Magnesium	200	196	J	98	80-120
Manganese	3.00	3.14	J	105	80-120
Molybdenum	10.0	9.85	J	99	80-120
Nickel	10.0	10.2	J	102	80-120
Potassium	1000	1010	J	101	80-120
Selenium	10.0	11.6	J	116	80-120
Silver	10.0	9.19	J	92	80-120
Sodium	1000	999	J	100	80-120
Strontium	5.00	5.02	J	100	80-120
Thallium	10.0	11.3	J	113	80-120
Vanadium	10.0	9.46	J	95	80-120

Lab Sample ID: CRI 280-200251/15 Concentration Units: ug/L

CRQL Check Standard Source: Alt Ba Fe Zn_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Barium	10.0	10.0		100	80-120
Iron	50.0	51.9	J	104	80-120
Zinc	20.0	22.9		115	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-200481/13 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	100		100	80-120
Antimony	10.0	9.39	J	94	80-120
Arsenic	10.0	11.4	J	114	80-120
Barium	5.00	4.71	J	94	80-120
Beryllium	1.00	0.960	J	96	80-120
Boron	100	92.7	J	93	80-120
Cadmium	5.00	4.87	J	97	80-120
Calcium	200	208		104	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.42		108	80-120
Copper	10.0	9.99	J	100	80-120
Iron	30.0	27.3	J	91	80-120
Lead	3.00	2.62	J	87	80-120
Magnesium	200	197	J	99	80-120
Manganese	3.00	3.06	J	102	80-120
Molybdenum	10.0	9.65	J	97	80-120
Nickel	10.0	10.6	J	106	80-120
Potassium	1000	957	J	96	80-120
Selenium	10.0	8.36	J	84	80-120
Silver	10.0	10.4		104	80-120
Sodium	1000	984	J	98	80-120
Strontium	5.00	5.02	J	100	80-120
Thallium	10.0	10.7	J	107	80-120
Vanadium	10.0	10.1		101	80-120
Zinc	10.0	12.0	J	120	80-120

Lab Sample ID: CRI 280-201175/15 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01037

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	102		102	80-120
Antimony	10.0	8.49	J	85	80-120
Arsenic	10.0	8.86	J	89	80-120
Barium	5.00	5.01	J	100	80-120
Beryllium	1.00	0.990	J	99	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-201175/15 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01037

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Boron	100	94.7	J	95	80-120
Cadmium	5.00	4.70	J	94	80-120
Calcium	200	199	J	99	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.08		102	80-120
Copper	10.0	10.3	J	103	80-120
Iron	30.0	28.9	J	96	80-120
Lead	3.00	2.65	J	88	80-120
Magnesium	200	196	J	98	80-120
Manganese	3.00	3.06	J	102	80-120
Molybdenum	10.0	9.54	J	95	80-120
Nickel	10.0	10.2	J	102	80-120
Potassium	1000	1010	J	101	80-120
Silver	10.0	9.94	J	99	80-120
Sodium	1000	980	J	98	80-120
Strontium	5.00	4.80	J	96	80-120
Thallium	10.0	11.8	J	118	80-120
Vanadium	10.0	9.15	J	92	80-120

Lab Sample ID: CRI 280-201175/16 Concentration Units: ug/L

CRQL Check Standard Source: Alt Se Zn_00010

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Zinc	20.0	19.8	J	99	80-120

Lab Sample ID: CRI 280-201175/17 Concentration Units: ug/L

CRQL Check Standard Source: Alt Se_00058

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	20.0	20.7		103	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200251/13 11/08/2013 15:24		CCB 280-200251/64 11/08/2013 19:44		CCB 280-200251/75 11/08/2013 20:08		CCB 280-200251/84 11/08/2013 20:28	
		Found	C	Found	C	Found	C	Found	C
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	8.20	J	80	U	80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	6.29	J
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	109	J	250	U	250	U
Strontium	10	0.50	U	0.50	U	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U
Aluminum	100	30	U	30	U	30	U		
Antimony	10	4.27	J			7.37	J	7.62	J
Boron	100	7.0	U			7.0	U	7.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200481/12 11/11/2013 16:01		CCB 280-200481/76 11/11/2013 18:44		CCB 280-200481/87 11/11/2013 19:08		CCB 280-200481/96 11/11/2013 19:29	
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U	30	U	30	U
Boron	100	7.0	U	7.0	U	7.0	U	7.0	U
Antimony	10	8.0	U	8.52	J	6.47	J	6.60	J
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	11.2	J	3.81	J	5.92	J
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	226	J	250	U	250	U
Strontium	10	0.50	U	0.470	J	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-201175/14 11/14/2013 15:24		CCB 280-201175/36 11/14/2013 16:53		CCB 280-201175/47 11/14/2013 17:25		CCB 280-201175/61 11/14/2013 18:07	
		Found	C	Found	C	Found	C	Found	C
Antimony	10	8.0	U	5.36	J	6.74	J	4.06	J
Aluminum	100	30	U	30	U	30	U	30	U
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Boron	100	7.0	U	7.0	U	7.0	U	7.0	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	80	U	80	U	80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	250	U	250	U	250	U
Strontium	10	0.50	U	0.50	U	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200988/9 11/13/2013 18:01		CCB 280-200988/24 11/13/2013 18:41		CCB 280-200988/36 11/13/2013 19:08		CCB 280-200988/43 11/13/2013 19:25	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.10	U	0.10	U	0.10	U	0.10	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 200251

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.93	U		6010C
7440-39-3	Barium	0.17	U		6010C
7440-41-7	Beryllium	0.065	U		6010C
7440-43-9	Cadmium	0.093	U		6010C
7440-70-2	Calcium	19	U		6010C
7440-47-3	Chromium	0.14	U		6010C
7440-48-4	Cobalt	0.19	U		6010C
7440-50-8	Copper	0.46	U		6010C
7439-89-6	Iron	4.6	U		6010C
7439-92-1	Lead	0.74	U		6010C
7439-95-4	Magnesium	4.6	U		6010C
7439-96-5	Manganese	0.14	U	Q	6010C
7439-98-7	Molybdenum	0.46	U		6010C
7440-02-0	Nickel	0.19	U		6010C
7440-09-7	Potassium	46	U		6010C
7782-49-2	Selenium	1.1	U		6010C
7440-22-4	Silver	0.19	U		6010C
7440-23-5	Sodium	93	U		6010C
7440-24-6	Strontium	0.074	U	Q	6010C
7440-28-0	Thallium	1.1	U		6010C
7440-62-2	Vanadium	0.19	U	Q	6010C
7440-66-6	Zinc	0.419	J		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 200481

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	2.8	U		6010C
7440-42-8	Boron	0.93	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 201175

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.56	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/Kg Lab Sample ID: MB 280-199719/1-A

Instrument Code: MT_033 Batch No.: 200988

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	14	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSA 280-200251/16 Instrument ID: MT_025

Lab File ID: 25A1110813.asc ICS Source: ICP ICSA_00078

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-1.73**	
Barium		**0.240**	
Beryllium		**0.0700**	
Cadmium		**0.440**	
Calcium	**500000**	**460080**	**92**
Chromium		**0.690**	
Cobalt		**-0.740**	
Copper		**2.27**	
Iron	**200000**	**195200**	**98**
Lead		**1.38**	
Magnesium	**500000**	**501650**	**100**
Manganese		**0.560**	
Molybdenum		**-0.160**	
Nickel		**-0.360**	
Potassium		**-34.5**	
Selenium		**-0.200**	
Silver		**-1.24**	
Sodium		**117**	
Strontium		**15.3**	
Thallium		**-1.99**	
Vanadium		**2.69**	
Zinc		**-3.32**	
Aluminum	*500000*	*521510*	*104*
Antimony		*0.650*	
Boron		*-2.06*	
Lithium		*10.7*	
Phosphorus		*-5.99*	
Silicon		*2.30*	
SiO2		*4.93*	
Thorium		*8.50*	
Tin		*1.21*	
Titanium		*-0.560*	
Zirconium		*-2.37*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSAB 280-200251/17 Instrument ID: MT_025

Lab File ID: 25A1110813.asc ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**2000**	**1967**	**98**
Barium	**500**	**500**	**100**
Beryllium	**500**	**482**	**96**
Cadmium	**1000**	**990**	**99**
Calcium	**500000**	**465830**	**93**
Chromium	**500**	**482**	**96**
Cobalt	**500**	**461**	**92**
Copper	**500**	**537**	**107**
Iron	**200000**	**192550**	**96**
Lead	**1000**	**901**	**90**
Magnesium	**500000**	**489900**	**98**
Manganese	**500**	**503**	**101**
Molybdenum	**1000**	**953**	**95**
Nickel	**1000**	**911**	**91**
Potassium	**50000**	**52462**	**105**
Selenium	**5000**	**4649**	**93**
Silver	**1000**	**1080**	**108**
Sodium	**50000**	**53124**	**106**
Strontium	**1000**	**1005**	**100**
Thallium	**10000**	**8228**	**82**
Vanadium	**500**	**510**	**102**
Zinc	**1000**	**975**	**98**
Aluminum	*500000*	*514670*	*103*
Antimony	*1000*	*973*	*97*
Boron	*2000*	*1807*	*90*
Lithium	*1000*	*1051*	*105*
Phosphorus	*2000*	*1880*	*94*
Silicon	*10000*	*9769*	*98*
SiO2	*21400*	*20906*	*98*
Thorium	*2000*	*2064*	*103*
Tin	*10000*	*8904*	*89*
Titanium	*1000*	*999*	*100*
Zirconium	*1000*	*983*	*98*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSA 280-200481/14 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00078

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**507740**	**102**
Boron		**-1.22**	
Antimony		*2.35*	
Arsenic		*-2.93*	
Barium		*0.230*	
Beryllium		*0.0400*	
Calcium	*500000*	*463180*	*93*
Cobalt		*-0.580*	
Copper		*2.27*	
Iron	*200000*	*187990*	*94*
Lead		*0.500*	
Lithium		*9.93*	
Magnesium	*500000*	*486630*	*97*
Molybdenum		*-0.0500*	
Nickel		*-0.980*	
Phosphorus		*-6.70*	
Potassium		*89.8*	
Selenium		*1.13*	
Silicon		*1.35*	
Silver		*0.0000*	
SiO2		*2.89*	
Sodium		*165*	
Thallium		*-1.35*	
Thorium		*12.2*	
Tin		*1.07*	
Titanium		*-1.09*	
Vanadium		*0.110*	
Zinc		*-3.69*	
Zirconium		*0.510*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSAB 280-200481/15 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500000**	**508780**	**102**
Boron	**2000**	**1804**	**90**
Antimony	*1000*	*960*	*96*
Arsenic	*2000*	*1946*	*97*
Barium	*500*	*502*	*100*
Beryllium	*500*	*483*	*97*
Cadmium	*1000*	*984*	*98*
Calcium	*500000*	*454770*	*91*
Chromium	*500*	*478*	*96*
Cobalt	*500*	*456*	*91*
Copper	*500*	*527*	*105*
Iron	*200000*	*187920*	*94*
Lead	*1000*	*887*	*89*
Lithium	*1000*	*1059*	*106*
Magnesium	*500000*	*481750*	*96*
Manganese	*500*	*497*	*99*
Molybdenum	*1000*	*935*	*94*
Nickel	*1000*	*899*	*90*
Phosphorus	*2000*	*1870*	*93*
Potassium	*50000*	*53159*	*106*
Selenium	*5000*	*4587*	*92*
Silicon	*10000*	*9685*	*97*
Silver	*1000*	*1069*	*107*
SiO2	*21400*	*20725*	*97*
Sodium	*50000*	*52394*	*105*
Strontium	*1000*	*1006*	*101*
Thallium	*10000*	*8086*	*81*
Thorium	*2000*	*2035*	*102*
Tin	*10000*	*8712*	*87*
Titanium	*1000*	*981*	*98*
Vanadium	*500*	*498*	*100*
Zinc	*1000*	*963*	*96*
Zirconium	*1000*	*990*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSA 280-201175/18 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00079

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**6.78**	
Aluminum	*500000*	*496160*	*99*
Arsenic		*-7.63*	
Barium		*0.270*	
Beryllium		*-0.0700*	
Boron		*0.230*	
Cadmium		*1.91*	
Calcium	*500000*	*451490*	*90*
Chromium		*2.85*	
Cobalt		*-0.110*	
Copper		*2.19*	
Iron	*200000*	*183560*	*92*
Lead		*4.26*	
Lithium		*7.36*	
Magnesium	*500000*	*486320*	*97*
Manganese		*0.760*	
Molybdenum		*0.120*	
Nickel		*-0.700*	
Phosphorus		*-3.23*	
Potassium		*26.3*	
Selenium		*7.31*	
Silicon		*12.7*	
Silver		*0.430*	
SiO2		*27.1*	
Sodium		*44.5*	
Strontium		*14.8*	
Thallium		*-4.08*	
Thorium		*4.22*	
Tin		*1.85*	
Titanium		*-0.990*	
Vanadium		*-7.61*	
Zinc		*-1.51*	
Zirconium		*-0.710*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSAB 280-201175/19 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**1000**	**998**	**100**
Aluminum	*500000*	*495820*	*99*
Arsenic	*2000*	*1976*	*99*
Barium	*500*	*492*	*98*
Beryllium	*500*	*472*	*94*
Boron	*2000*	*1888*	*94*
Cadmium	*1000*	*1003*	*100*
Calcium	*500000*	*460330*	*92*
Chromium	*500*	*484*	*97*
Cobalt	*500*	*457*	*91*
Copper	*500*	*534*	*107*
Iron	*200000*	*183210*	*92*
Lead	*1000*	*897*	*90*
Lithium	*1000*	*1038*	*104*
Magnesium	*500000*	*486720*	*97*
Manganese	*500*	*489*	*98*
Molybdenum	*1000*	*947*	*95*
Nickel	*1000*	*902*	*90*
Phosphorus	*2000*	*1912*	*96*
Potassium	*50000*	*51504*	*103*
Selenium	*5000*	*4752*	*95*
Silicon	*10000*	*9600*	*96*
Silver	*1000*	*1089*	*109*
SiO2	*21400*	*20543*	*96*
Sodium	*50000*	*51436*	*103*
Strontium	*1000*	*985*	*98*
Thallium	*10000*	*8189*	*82*
Thorium	*2000*	*2021*	*101*
Tin	*10000*	*8837*	*88*
Titanium	*1000*	*980*	*98*
Vanadium	*500*	*485*	*97*
Zinc	*1000*	*943*	*94*
Zirconium	*1000*	*934*	*93*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00070

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	86.2	82.0		95	80	120		6010C
Barium	172	171		99	80	120		6010C
Beryllium	4.31	4.19		97	80	120		6010C
Cadmium	8.62	8.67		101	80	120		6010C
Calcium	4310	4140		96	80	120		6010C
Chromium	17.2	16.8		97	80	120		6010C
Cobalt	43.1	41.6		96	80	120		6010C
Copper	21.6	21.7		100	80	120		6010C
Iron	86.2	82.0		95	80	120		6010C
Lead	43.1	41.3		96	80	120		6010C
Magnesium	4310	4050		94	80	120		6010C
Manganese	43.1	41.6		97	80	120	Q	6010C
Molybdenum	86.2	84.0		97	80	120		6010C
Nickel	43.1	41.3		96	80	120		6010C
Potassium	4310	4320		100	80	120		6010C
Selenium	172	162		94	80	120		6010C
Silver	4.31	3.93		91	80	120		6010C
Sodium	4310	4480		104	80	120		6010C
Strontium	86.2	84.8		98	80	120	Q	6010C
Thallium	172	165		96	80	120		6010C
Vanadium	43.1	42.8		99	80	120	Q	6010C
Zinc	43.1	41.0		95	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00070

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	172	167		97	80	120		6010C
Boron	86.2	97.0		112	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: ICP SPK 2A_00066

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	43.1	42.4		98	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199719/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00943

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	431	376		87	80	120		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010C DL Date: 03/01/2011 13:28

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	167	50	1.55
Antimony	206.8	2	0.38
Arsenic	189	2.5	0.66
Barium	455.4	2	0.076
Beryllium	313	0.5	0.033
Boron	208.9	10	0.98
Cadmium	228.8	0.5	0.041
Calcium	317.9	100	14.1
Chromium	205.5	3.5	0.058
Cobalt	228.6	1	0.1
Copper	324.7	5	0.217
Iron	259.9	80	3.8
Lead	220.3	0.9	0.27
Magnesium	279	30	3.7
Manganese	257.6	4.5	0.1
Molybdenum	202	2.5	0.26
Nickel	231.6	4	0.123
Potassium	766.4	300	41
Selenium	196	3	0.86
Silver	328	1.5	0.16
Sodium	589.5	500	59
Strontium	407.7	1.5	0.036
Thallium	190.8	3	0.65
Vanadium	292.4	2	0.094
Zinc	206.2	8	0.398

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010C XMDL Date: 03/01/2011 13:28

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Antimony		10	3.14
Arsenic		15	4.41
Barium		10	0.576
Beryllium		1	0.474
Boron		100	4.37
Cadmium		5	0.452
Calcium		200	3.45
Chromium		10	0.663
Cobalt		5	1.23
Copper		15	1.36
Iron		100	22
Lead		9	2.61
Magnesium		200	10.7
Manganese		10	0.253
Molybdenum		20	3.13
Nickel		40	1.29
Potassium		3000	237
Selenium		15	4.86
Silver		10	0.933
Sodium		1000	91.6
Strontium		10	0.3
Thallium		15	4.91
Vanadium		10	1.11
Zinc		20	4.53

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_033

Method: 7471B DL Date: 10/28/2011 16:21

Prep Method: 7471B

Analyte	Wavelength/ Mass	LOQ (ug/Kg)	DL (ug/Kg)
Mercury	253.7	17	5.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_033

Method: 7471B XMDL Date: 11/30/2010 11:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.204	0.0664

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001001	
Aluminum	309.271														
Antimony	206.833		0.000007						-0.000005			0.011357		0.000010	
Arsenic	189.042		-0.000012									-0.007296		-0.000024	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061		-0.000012			-0.000294			-0.000016			0.001419		0.000120	
Boron	208.959														
Cadmium	228.802			0.002467		-0.000092					0.000036			-0.000013	
Calcium	317.933										0.000391				
Chromium	205.552						-0.000724							-0.000038	
Cobalt	228.616					-0.000021						-0.000046			
Copper	324.754														
Iron	259.940										0.070287				
Iron	271.441										0.070287				
Lead	220.353		-0.000061						0.000007		-0.000010		0.000134	0.000034	
Lithium	670.784								0.000009						
Magnesium	279.079													-0.000175	
Manganese	257.610		0.000001											0.000011	
Molybdenum	202.030														
Nickel	231.604						0.000034		-0.000002		-0.000053			0.000034	
Phosphorus	178.284		-0.000005												
Potassium	766.490														
Selenium	196.090		0.000021						-0.000001					0.000006	
Silicon	288.158											-0.016952			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000049						
Sulfur	182.034		-0.000022						-0.000025						

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856		0.000001								0.004069	0.000274			
Thorium	283.730											-0.000153		0.000876	
Tin	189.989														
Titanium	334.904								0.000005			0.000157			
Uranium	370.152				-0.03516				-0.000005			-0.001869		0.000415	
Vanadium	292.402											-0.006987		0.000013	
Zinc	206.200		0.000010					0.000509				-0.000468		0.000015	
Zirconium	339.198													-0.000028	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.001655												
Aluminum	167.079														
Antimony	206.833				-0.000327		0.000025					0.000031		0.00189	
Arsenic	189.042		-0.000006		0.001328										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													-0.001095	
Boron	208.959				0.033560										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000107		0.000009								
Cobalt	228.616			-0.000001	-0.001006		0.000125								
Copper	324.754				0.000205										
Iron	259.940		-0.000894												
Iron	271.441		-0.000894												
Lead	220.353				-0.002073		0.000317					0.000169			
Lithium	670.784		0.000006												
Magnesium	279.079			-0.001330	-0.004610										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604				0.000080										
Phosphorus	178.284				-0.005388										
Potassium	766.490														
Selenium	196.090			0.000570											
Silicon	288.158				-0.000510										
Silver	328.068			0.000183	-0.000074										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.003725	-0.006321										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000859											
Thorium	283.730		-0.000015		0.000056		0.000237								
Tin	189.989														
Titanium	334.904		0.000002		0.001119										
Uranium	370.152														
Vanadium	292.402			-0.001054	-0.000177										
Zinc	206.200				0.000123										
Zirconium	339.198				0.000752										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833		0.000259		-0.002129	0.000091		-0.001105							
Arsenic	189.042	-0.000781													
Barium	455.403							0.001086							
Beryllium	313.042		-0.000285			0.000618									
Bismuth	223.061		-0.005621		-0.003951										
Boron	208.959														
Cadmium	228.802				-0.000206										
Calcium	317.933	-0.003260													
Chromium	205.552	0.000009			-0.000025										
Cobalt	228.616		0.002052		0.000149										
Copper	324.754	0.001914	0.000011		-0.000115	-0.000316		-0.002277							
Iron	259.940					-0.209500									
Iron	271.441					-0.209500									
Lead	220.353		-0.000522		0.000701			-0.000255							
Lithium	670.784														
Magnesium	279.079	-0.041014	-0.001688		-0.008620										
Manganese	257.610	-0.000496			0.000075										
Molybdenum	202.030				-0.000130										
Nickel	231.604														
Phosphorus	178.284				0.000099										
Potassium	766.490														
Selenium	196.090	0.000088		-0.000481	-0.000220										
Silicon	288.158														
Silver	328.068	0.000323			0.000970			0.005844							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034	0.000111				0.000164									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856	-0.000203	-0.000892		-0.000304	-0.019465									
Thorium	283.730				0.022201			0.022111							
Tin	189.989	0.000011	-0.001792		0.000185										
Titanium	334.904	0.006757			-0.000569										
Uranium	370.152		0.004659												
Vanadium	292.402	0.001293	0.001093		-0.001122										
Zinc	206.200		0.000066												
Zirconium	339.198	0.03149			-0.000178										

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-48486-1

SDG No.:

Instrument ID: MT_025 Date: 10/19/2013 09:44

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010C
Antimony		50	6010C
Arsenic		50	6010C
Barium		50	6010C
Beryllium		20	6010C
Boron		100	6010C
Cadmium		25	6010C
Calcium		2000	6010C
Chromium		50	6010C
Cobalt		50	6010C
Copper		50	6010C
Iron		2000	6010C
Lead		200	6010C
Magnesium		1500	6010C
Manganese		20	6010C
Molybdenum		20	6010C
Nickel		50	6010C
Potassium		500	6010C
Selenium		50	6010C
Silver		2.5	6010C
Sodium		10000	6010C
Strontium		20	6010C
Thallium		50	6010C
Vanadium		50	6010C
Zinc		50	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-199600/1-A	11/08/2013 07:50	199600	1.08		100
LCS 280-199600/2-A	11/08/2013 07:50	199600	1.16		100
280-48486-1	11/08/2013 07:50	199600	1.01		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-199719/1-A	11/13/2013 15:00	199719	.58		50
LCS 280-199719/2-A	11/13/2013 15:00	199719	.58		50
280-48486-1	11/13/2013 15:00	199719	.58		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr	Tl
ICIS 280-200251/1	1		14:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-200251/2			14:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-200251/3			14:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ICVH 280-200251/6	1		14:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:47																				
ICV 280-200251/8	1		14:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 280-200251/9	1		14:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 280-200251/10	1		15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-200251/11			15:19																				
CCV 280-200251/12			15:21																				
ICB 280-200251/13	1		15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 280-200251/14	1		15:26	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
CRI 280-200251/15	1		15:48			X							X										
ICSA 280-200251/16	1		15:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 280-200251/17	1		16:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRA 280-200251/18			16:04																				
ZZZZZZ			16:07																				
CCVH 280-200251/20			16:11																				
ZZZZZZ			16:13																				
CCV 280-200251/22			16:23																				
CCV 280-200251/23			16:28																				
CCB 280-200251/24			16:35																				
CCVL 280-200251/25			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:47																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
CCVH 280-200251/33			16:56																				
CCV 280-200251/34			16:58																				
CCB 280-200251/35			17:01																				
CCVL 280-200251/36			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr	Tl
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
CCVH 280-200251/47			17:28																				
CCV 280-200251/48			17:31																				
CCB 280-200251/49			17:33																				
CCVL 280-200251/50			17:35																				
ZZZZZZ			17:37																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				
ZZZZZZ			17:47																				
ZZZZZZ			17:50																				
ZZZZZZ			17:52																				
CCVH 280-200251/58			18:01																				
CCV 280-200251/59			18:04																				
CCB 280-200251/60			18:06																				
CCVL 280-200251/61			18:08																				
CCVH 280-200251/62	1		19:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/63	1		19:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/64	1		19:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/65	1		19:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 280-199600/1-A	1	T	19:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 280-199600/2-A	1	T	19:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			19:53																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:01																				
CCVH 280-200251/73	1		20:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/74	1		20:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/75	1		20:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/76	1		20:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:12																				
ZZZZZZ			20:15																				
ZZZZZZ			20:17																				
ZZZZZZ			20:19																				
280-48486-1	1	T	20:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-200251/82	1		20:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/83	1		20:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/84	1		20:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr	Tl
CCVL 280-200251/85	1		20:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:33																					
ZZZZZZ			20:35																					
ZZZZZZ			20:37																					
ZZZZZZ			20:39																					
ZZZZZZ			20:42																					
ZZZZZZ			20:44																					
ZZZZZZ			20:46																					
CCVH 280-200251/93			20:48																					
CCV 280-200251/94			20:51																					
CCB 280-200251/95			20:53																					
CCVL 280-200251/96			20:55																					
ZZZZZZ			20:57																					
ZZZZZZ			21:00																					
ZZZZZZ			21:03																					
ZZZZZZ			21:05																					
ZZZZZZ			21:08																					
CCVH 280-200251/102			21:11																					
CCV 280-200251/103			21:14																					
CCB 280-200251/104			21:16																					
CCVL 280-200251/105			21:18																					
ZZZZZZ			21:20																					
ZZZZZZ			21:23																					
ZZZZZZ			21:25																					
ZZZZZZ			21:27																					
ZZZZZZ			21:30																					
ZZZZZZ			21:32																					
ZZZZZZ			21:34																					
CCVH 280-200251/113			21:36																					
CCV 280-200251/114			21:39																					
CCB 280-200251/115			21:41																					
CCVL 280-200251/116			21:43																					
ZZZZZZ			21:45																					
ZZZZZZ			21:48																					
ZZZZZZ			21:51																					
ZZZZZZ			21:53																					
ZZZZZZ			21:56																					
CCVH 280-200251/122			21:59																					
CCV 280-200251/123			22:01																					
CCB 280-200251/124			22:03																					
CCVL 280-200251/125			22:05																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ICIS 280-200251/1	1		14:25	X	X																		
IC 280-200251/2			14:27	X	X																		
IC 280-200251/3			14:29	X	X																		
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ICVH 280-200251/6	1		14:44	X	X																		
ZZZZZZ			14:47																				
ICV 280-200251/8	1		14:57	X	X																		
ICV 280-200251/9	1		14:59	X	X																		
ICVL 280-200251/10	1		15:16	X	X																		
CCVH 280-200251/11			15:19																				
CCV 280-200251/12			15:21																				
ICB 280-200251/13	1		15:24	X	X																		
CRI 280-200251/14	1		15:26	X																			
CRI 280-200251/15	1		15:48		X																		
ICSA 280-200251/16	1		15:58	X	X																		
ICSAB 280-200251/17	1		16:01	X	X																		
LRA 280-200251/18			16:04																				
ZZZZZZ			16:07																				
CCVH 280-200251/20			16:11																				
ZZZZZZ			16:13																				
CCV 280-200251/22			16:23																				
CCV 280-200251/23			16:28																				
CCB 280-200251/24			16:35																				
CCVL 280-200251/25			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:47																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
CCVH 280-200251/33			16:56																				
CCV 280-200251/34			16:58																				
CCB 280-200251/35			17:01																				
CCVL 280-200251/36			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
CCVH 280-200251/47			17:28																				
CCV 280-200251/48			17:31																				
CCB 280-200251/49			17:33																				
CCVL 280-200251/50			17:35																				
ZZZZZZ			17:37																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				
ZZZZZZ			17:47																				
ZZZZZZ			17:50																				
ZZZZZZ			17:52																				
CCVH 280-200251/58			18:01																				
CCV 280-200251/59			18:04																				
CCB 280-200251/60			18:06																				
CCVL 280-200251/61			18:08																				
CCVH 280-200251/62	1		19:39	X	X																		
CCV 280-200251/63	1		19:41	X	X																		
CCB 280-200251/64	1		19:44	X	X																		
CCVL 280-200251/65	1		19:46	X	X																		
MB 280-199600/1-A	1	T	19:48	X	X																		
LCS 280-199600/2-A	1	T	19:50	X	X																		
ZZZZZZ			19:53																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:01																				
CCVH 280-200251/73	1		20:03	X	X																		
CCV 280-200251/74	1		20:06	X	X																		
CCB 280-200251/75	1		20:08	X	X																		
CCVL 280-200251/76	1		20:10	X	X																		
ZZZZZZ			20:12																				
ZZZZZZ			20:15																				
ZZZZZZ			20:17																				
ZZZZZZ			20:19																				
280-48486-1	1	T	20:21	X	X																		
CCVH 280-200251/82	1		20:24	X	X																		
CCV 280-200251/83	1		20:26	X	X																		
CCB 280-200251/84	1		20:28	X	X																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
CCVL 280-200251/85	1		20:30	X	X																			
ZZZZZZ			20:33																					
ZZZZZZ			20:35																					
ZZZZZZ			20:37																					
ZZZZZZ			20:39																					
ZZZZZZ			20:42																					
ZZZZZZ			20:44																					
ZZZZZZ			20:46																					
CCVH 280-200251/93			20:48																					
CCV 280-200251/94			20:51																					
CCB 280-200251/95			20:53																					
CCVL 280-200251/96			20:55																					
ZZZZZZ			20:57																					
ZZZZZZ			21:00																					
ZZZZZZ			21:03																					
ZZZZZZ			21:05																					
ZZZZZZ			21:08																					
CCVH 280-200251/102			21:11																					
CCV 280-200251/103			21:14																					
CCB 280-200251/104			21:16																					
CCVL 280-200251/105			21:18																					
ZZZZZZ			21:20																					
ZZZZZZ			21:23																					
ZZZZZZ			21:25																					
ZZZZZZ			21:27																					
ZZZZZZ			21:30																					
ZZZZZZ			21:32																					
ZZZZZZ			21:34																					
CCVH 280-200251/113			21:36																					
CCV 280-200251/114			21:39																					
CCB 280-200251/115			21:41																					
CCVL 280-200251/116			21:43																					
ZZZZZZ			21:45																					
ZZZZZZ			21:48																					
ZZZZZZ			21:51																					
ZZZZZZ			21:53																					
ZZZZZZ			21:56																					
CCVH 280-200251/122			21:59																					
CCV 280-200251/123			22:01																					
CCB 280-200251/124			22:03																					
CCVL 280-200251/125			22:05																					

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Prep Types
T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
ICIS 280-200481/1	1		15:24	X	X																		
IC 280-200481/2			15:27	X	X																		
IC 280-200481/3			15:29	X	X																		
ZZZZZZ			15:31																				
ZZZZZZ			15:33																				
ICVH 280-200481/6	1		15:37	X	X																		
ICV 280-200481/7	1		15:42	X	X																		
ICVL 280-200481/8	1		15:45	X	X																		
CCVH 280-200481/9			15:49																				
CCV 280-200481/10			15:52																				
ZZZZZZ			15:54																				
ICB 280-200481/12	1		16:01	X	X																		
CRI 280-200481/13	1		16:04	X	X																		
ICSA 280-200481/14	1		16:09	X	X																		
ICSAB 280-200481/15	1		16:12	X	X																		
ZZZZZZ			16:15																				
LRA 280-200481/17			16:19																				
CCVH 280-200481/18			16:22																				
CCV 280-200481/19			16:24																				
CCB 280-200481/20			16:26																				
CCVL 280-200481/21			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:44																				
CCVH 280-200481/29			16:47																				
CCV 280-200481/30			16:49																				
CCB 280-200481/31			16:51																				
CCVL 280-200481/32			16:53																				
ZZZZZZ			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:11																				
CCVH 280-200481/40			17:13																				
CCV 280-200481/41			17:16																				
ZZZZZZ			17:18																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
CCVL 280-200481/43			17:20																				
CCB 280-200481/44			17:24																				
ZZZZZZ			17:32																				
ZZZZZZ			17:34																				
ZZZZZZ			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:41																				
ZZZZZZ			17:43																				
ZZZZZZ			17:45																				
CCVH 280-200481/52			17:47																				
CCV 280-200481/53			17:50																				
CCB 280-200481/54			17:52																				
CCVL 280-200481/55			17:54																				
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:02																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
CCVH 280-200481/61			18:10																				
CCV 280-200481/62			18:12																				
CCB 280-200481/63			18:14																				
CCVL 280-200481/64			18:16																				
ZZZZZZ			18:19																				
ZZZZZZ			18:21																				
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
ZZZZZZ			18:28																				
ZZZZZZ			18:30																				
ZZZZZZ			18:33																				
ZZZZZZ			18:35																				
ZZZZZZ			18:37																				
CCVH 280-200481/74	1		18:39	X	X																		
CCV 280-200481/75	1		18:42	X	X																		
CCB 280-200481/76	1		18:44	X	X																		
CCVL 280-200481/77	1		18:46	X	X																		
MB 280-199600/1-A	1	T	18:48	X	X																		
LCS 280-199600/2-A	1	T	18:51	X	X																		
ZZZZZZ			18:53																				
ZZZZZZ			18:55																				
ZZZZZZ			18:57																				
ZZZZZZ			18:59																				
ZZZZZZ			19:02																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
CCVH 280-200481/85	1		19:04	X	X																		
CCV 280-200481/86	1		19:06	X	X																		
CCB 280-200481/87	1		19:08	X	X																		
CCVL 280-200481/88	1		19:11	X	X																		
ZZZZZZ			19:13																				
ZZZZZZ			19:15																				
ZZZZZZ			19:17																				
ZZZZZZ			19:20																				
280-48486-1	1	T	19:22	X	X																		
CCVH 280-200481/94	1		19:24	X	X																		
CCV 280-200481/95	1		19:26	X	X																		
CCB 280-200481/96	1		19:29	X	X																		
CCVL 280-200481/97	1		19:31	X	X																		

Prep Types

T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ICIS 280-201175/1	1		14:26	X																				
IC 280-201175/2			14:28	X																				
IC 280-201175/3			14:31	X																				
ZZZZZZ			14:33																					
ZZZZZZ			14:35																					
ICVH 280-201175/6	1		14:37	X																				
ICV 280-201175/7	1		14:40	X																				
ZZZZZZ			14:42																					
ICVL 280-201175/9	1		15:04	X																				
ICVL 280-201175/10	1		15:07	X																				
CCVH 280-201175/11			15:16																					
CCV 280-201175/12			15:18																					
ZZZZZZ			15:20																					
ICB 280-201175/14	1		15:24	X																				
CRI 280-201175/15	1		15:26	X																				
CRI 280-201175/16	1		15:37																					
CRI 280-201175/17	1		15:55																					
ICSA 280-201175/18	1		15:59	X																				
ICSAB 280-201175/19	1		16:02	X																				
LRA 280-201175/20			16:04																					
CCVH 280-201175/21			16:07																					
CCV 280-201175/22			16:09																					
CCB 280-201175/23			16:12																					
CCVL 280-201175/24			16:14																					
ZZZZZZ			16:27																					
ZZZZZZ			16:30																					
ZZZZZZ			16:32																					
ZZZZZZ			16:34																					
ZZZZZZ			16:37																					
ZZZZZZ			16:39																					
ZZZZZZ			16:41																					
ZZZZZZ			16:43																					
ZZZZZZ			16:46																					
CCVH 280-201175/34	1		16:48	X																				
CCV 280-201175/35	1		16:50	X																				
CCB 280-201175/36	1		16:53	X																				
CCVL 280-201175/37	1		17:01	X																				
MB 280-199600/1-A	1	T	17:05	X																				
LCS 280-199600/2-A	1	T	17:07	X																				
ZZZZZZ			17:09																					
ZZZZZZ			17:12																					
ZZZZZZ			17:14																					

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ZZZZZZ			17:16																					
ZZZZZZ			17:18																					
CCVH 280-201175/45	1		17:20	X																				
CCV 280-201175/46	1		17:23	X																				
CCB 280-201175/47	1		17:25	X																				
CCVL 280-201175/48	1		17:29	X																				
ZZZZZZ			17:39																					
ZZZZZZ			17:42																					
ZZZZZZ			17:44																					
ZZZZZZ			17:46																					
280-48486-1	1	T	17:48	X																				
ZZZZZZ			17:51																					
ZZZZZZ			17:53																					
ZZZZZZ			17:56																					
ZZZZZZ			17:58																					
ZZZZZZ			18:00																					
CCVH 280-201175/59	1		18:03	X																				
CCV 280-201175/60	1		18:05	X																				
CCB 280-201175/61	1		18:07	X																				
CCVL 280-201175/62	1		18:09	X																				
ZZZZZZ			18:12																					
ZZZZZZ			18:14																					
ZZZZZZ			18:16																					
ZZZZZZ			18:19																					
ZZZZZZ			18:21																					
ZZZZZZ			18:23																					
ZZZZZZ			18:26																					
CCVH 280-201175/70			18:28																					
CCV 280-201175/71			18:30																					
CCB 280-201175/72			18:32																					
CCVL 280-201175/73			18:35																					
ZZZZZZ			18:37																					
ZZZZZZ			18:39																					
ZZZZZZ			18:42																					
ZZZZZZ			18:44																					
ZZZZZZ			18:46																					
CCVH 280-201175/79			18:49																					
CCV 280-201175/80			18:52																					
CCB 280-201175/81			18:54																					
CCVL 280-201175/82			18:56																					
ZZZZZZ			18:58																					
ZZZZZZ			19:01																					

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ZZZZZZ			19:03																					
ZZZZZZ			19:05																					
ZZZZZZ			19:08																					
ZZZZZZ			19:10																					
ZZZZZZ			19:12																					
ZZZZZZ			19:14																					
CCVH 280-201175/91			19:17																					
CCV 280-201175/92			19:19																					
CCB 280-201175/93			19:21																					
CCVL 280-201175/94			19:23																					
ZZZZZZ			19:26																					
ZZZZZZ			19:28																					
ZZZZZZ			19:31																					
ZZZZZZ			19:33																					
ZZZZZZ			19:35																					
ZZZZZZ			19:38																					
ZZZZZZ			19:40																					
ZZZZZZ			19:43																					
CCVH 280-201175/103			19:45																					
CCV 280-201175/104			19:47																					
CCB 280-201175/105			19:49																					
CCVL 280-201175/106			19:52																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
STD0 280-200988/1 IC			17:33	X																				
STD1 280-200988/2 IC			17:35	X																				
STD2 280-200988/3 IC			17:38	X																				
STD3 280-200988/4 IC			17:40	X																				
STD4 280-200988/5 IC			17:42	X																				
STD5 280-200988/6 IC			17:45	X																				
STD6 280-200988/7 IC			17:47	X																				
ICV 280-200988/8	1		17:57	X																				
ICB 280-200988/9	1		18:01	X																				
CRA 280-200988/10			18:06																					
CCV 280-200988/11			18:08																					
CCB 280-200988/12			18:11																					
ZZZZZZ			18:13																					
ZZZZZZ			18:18																					
ZZZZZZ			18:20																					
ZZZZZZ			18:22																					
ZZZZZZ			18:24																					
ZZZZZZ			18:27																					
ZZZZZZ			18:29																					
ZZZZZZ			18:31																					
ZZZZZZ			18:34																					
ZZZZZZ			18:36																					
CCV 280-200988/23	1		18:38	X																				
CCB 280-200988/24	1		18:41	X																				
ZZZZZZ			18:43																					
ZZZZZZ			18:45																					
ZZZZZZ			18:48																					
MB 280-199719/1-A	1	T	18:50	X																				
ZZZZZZ			18:52																					
280-48486-1	1	T	18:54	X																				
ZZZZZZ			18:57																					
ZZZZZZ			18:59																					
ZZZZZZ			19:01																					
ZZZZZZ			19:04																					
CCV 280-200988/35	1		19:06	X																				
CCB 280-200988/36	1		19:08	X																				
ZZZZZZ			19:10																					
ZZZZZZ			19:13																					
ZZZZZZ			19:15																					
ZZZZZZ			19:18																					
LCS 280-199719/2-A	1	T	19:20	X																				
CCV 280-200988/42	1		19:22	X																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 280-200988/43	1		19:25	X																			
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
ZZZZZZ			19:34																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
CCV 280-200988/50			19:41																				
CCB 280-200988/51			19:43																				
ZZZZZZ			19:45																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:06																				
CCV 280-200988/62			20:08																				
CCB 280-200988/63			20:11																				
ZZZZZZ			20:13																				
ZZZZZZ			20:15																				
ZZZZZZ			20:18																				
ZZZZZZ			20:20																				
ZZZZZZ			20:22																				
ZZZZZZ			20:25																				
ZZZZZZ			20:27																				
ZZZZZZ			20:29																				
ZZZZZZ			20:32																				
ZZZZZZ			20:34																				
CCV 280-200988/74			20:36																				
CCB 280-200988/75			20:38																				
ZZZZZZ			20:41																				
ZZZZZZ			20:43																				
ZZZZZZ			20:45																				
ZZZZZZ			20:48																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			21:01																				
CCV 280-200988/86			21:04																				
CCB 280-200988/87			21:06																				
ZZZZZZ			21:08																				
ZZZZZZ			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:15																				
ZZZZZZ			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:22																				
ZZZZZZ			21:24																				
ZZZZZZ			21:27																				
ZZZZZZ			21:29																				
CCV 280-200988/98			21:31																				
CCB 280-200988/99			21:34																				
ZZZZZZ			21:36																				
ZZZZZZ			21:38																				
ZZZZZZ			21:41																				
ZZZZZZ			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:50																				
ZZZZZZ			21:52																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
CCV 280-200988/110			21:59																				
CCB 280-200988/111			22:01																				
ZZZZZZ			22:04																				
ZZZZZZ			22:06																				
ZZZZZZ			22:08																				
ZZZZZZ			22:11																				
ZZZZZZ			22:13																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
ZZZZZZ			22:20																				
ZZZZZZ			22:22																				
ZZZZZZ			22:24																				
CCV 280-200988/122			22:27																				
CCB 280-200988/123			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:34																				
ZZZZZZ			22:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			22:38																				
ZZZZZZ			22:41																				
ZZZZZZ			22:43																				
ZZZZZZ			22:45																				
ZZZZZZ			22:48																				
ZZZZZZ			22:52																				
ZZZZZZ			22:57																				
CCV 280-200988/134			22:59																				
CCB 280-200988/135			23:01																				
ZZZZZZ			23:04																				
ZZZZZZ			23:08																				
ZZZZZZ			23:10																				
ZZZZZZ			23:12																				
ZZZZZZ			23:15																				
ZZZZZZ			23:17																				
ZZZZZZ			23:19																				
ZZZZZZ			23:22																				
ZZZZZZ			23:24																				
CCV 280-200988/145			23:27																				
CCB 280-200988/146			23:30																				

Prep Types

T = Total/NA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 200251 - 200255, 200257, 200259		Earliest due date: 11/11/13
Run Date: 11/8/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/11/13

Comments: _____

2nd Level Reviewer: [signature] Date: 11/11/13

Comments: _____

Sample Name: ICIS Acquired: 11/8/2013 14:25:12 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00183**	**.00031**	**-.01477**	**-.00011**	**.00036**	**.00831**	**-.00123**	**-.00100**	**.00513**	**-.00036**	**-.00012**	**-.00031**	**.00299**
Stddev	.00001	.00003	.00064	.00006	.00003	.00191	.00023	.00017	.00021	.00004	.00003	.00016	.00018
%RSD	.59759	11.262	4.3637	50.686	7.1211	23.019	18.542	16.967	4.0600	11.848	28.445	49.908	6.0803
#1	-.00184	.00033	-.01432	-.00015	.00035	.00966	-.00139	-.00088	.00528	-.00039	-.00009	-.00020	.00312
#2	-.00182	.00028	-.01523	-.00007	.00038	.00696	-.00106	-.00112	.00499	-.00033	-.00014	-.00042	.00286

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00021**	**-.00105**	**.00037**	**-.00935**	**-.00001**	**.00002**	**.00006**	**.00757**	**-.00980**	**-.00052**	**-.00010**	**.00005**	**-.00048**
Stddev	.00004	.00050	.00020	.00005	.00004	.00006	.00003	.00046	.00113	.00004	.00002	.00008	.00005
%RSD	20.123	47.726	54.412	.55731	426.82	367.43	44.722	6.1237	11.573	7.1498	18.162	168.67	11.356
#1	.00018	-.00140	.00051	-.00939	-.00004	-.00003	.00008	.00790	-.01060	-.00050	-.00011	.00011	-.00044
#2	.00024	-.00069	.00023	-.00931	.00002	.00006	.00004	.00724	-.00900	-.00055	-.00009	-.00001	-.00051

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00051**	**.00011**	**.00025**	**.00025**	**.00015**	**-.00235**	**-.00060**	**-.00038**	**-.00029**	**-.00048**	**.00040**	**.00000**	**-.00276**
Stddev	.00003	.00006	.00022	.00022	.00001	.00001	.00005	.00004	.00014	.00006	.00001	.00000	.00006
%RSD	5.6758	56.199	87.309	87.309	5.5870	.25868	8.0884	10.061	49.532	12.321	1.5165	5071.8	2.2601
#1	.00049	.00015	.00010	.00010	.00016	-.00236	-.00057	-.00036	-.00039	-.00044	.00041	.00000	-.00272
#2	.00053	.00007	.00041	.00041	.00015	-.00235	-.00063	-.00041	-.00019	-.00053	.00040	.00000	-.00280

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8009.9**	**101350.**	**8336.8**
Stddev	11.5	331.	2.5
%RSD	.14335	.32622	.03047
#1	8018.0	101590.	8338.6
#2	8001.8	101120.	8335.0

Sample Name: ICAL1 Acquired: 11/8/2013 14:27:32 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18410**	**.23977**	**.08524**	**.24345**	**4.3582**	**6.3991**	**1.9035**	**1.3732**	**.83655**	**.85539**	**.28831**	**.62658**	**4.0272**	**1.5786**
Stddev	.00117	.00015	.00008	.00051	.0078	.0125	.0010	.0009	.00066	.00042	.00076	.00105	.0024	.0013
%RSD	.63802	.06340	.09454	.21015	.17846	.19557	.05383	.06390	.07949	.04922	.26319	.16711	.05925	.08253
#1	.18327	.23988	.08519	.24309	4.3527	6.4080	1.9042	1.3726	.83608	.85510	.28777	.62584	4.0255	1.5795
#2	.18493	.23966	.08530	.24381	4.3637	6.3903	1.9028	1.3738	.83702	.85569	.28885	.62732	4.0289	1.5777

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.83581**	**1.1577**	**.41516**	**1.3342**	**.60597**	**.09802**	**.45124**	**.16477**	**.08476**	**.30095**	**.30095**	**.20210**	**8.3537**	**.27893**
Stddev	.00355	.0062	.00058	.0034	.00014	.00037	.00045	.00004	.00019	.00082	.00082	.00011	.0135	.00162
%RSD	.42523	.53919	.13886	.25163	.02246	.38221	.10006	.02187	.23000	.27321	.27321	.05532	.16140	.58008
#1	.83329	1.1533	.41475	1.3319	.60588	.09776	.45092	.16475	.08463	.30154	.30154	.20218	8.3442	.27779
#2	.83832	1.1621	.41557	1.3366	.60607	.09829	.45156	.16480	.08490	.30037	.30037	.20202	8.3633	.28008

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17326**	**.18759**	**.02590**	**.31010**
Stddev	.00039	.00120	.00018	.00054
%RSD	.22429	.63977	.69885	.17393
#1	.17299	.18674	.02578	.30972
#2	.17353	.18844	.02603	.31048

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7941.8**	**99601.**	**8328.0**
Stddev	25.0	23.	3.6
%RSD	.31505	.02359	.04284
#1	7959.5	99584.	8325.5
#2	7924.1	99617.	8330.5

Sample Name: ICAL2 Acquired: 11/8/2013 14:29:42 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.4687**	**.16256**	**.55650**	**2.3934**	**.28432**	**.44386**	**.09065**
Stddev	.0049	.00041	.00022	.0021	.00071	.00205	.00019
%RSD	.14203	.25210	.03889	.08960	.24853	.46245	.20962
#1	3.4652	.16227	.55635	2.3949	.28382	.44240	.09051
#2	3.4722	.16285	.55666	2.3918	.28482	.44531	.09078

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7656.2**	**95105.**	**8349.3**
Stddev	.4	635.	47.5
%RSD	.00527	.66813	.56852
#1	7656.5	95554.	8382.8
#2	7655.9	94655.	8315.7

Sample Name: S1-2357605 Acquired: 11/8/2013 14:36:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99160**	**1.0080**	**1.9751**	**.99108**	**1.0021**	**1.0029**	**.00312**	**10.028**	**.99201**	**.99302**	**.98840**	**.99660**	**4.9477**
Stddev	.00131	.0027	.0014	.00365	.0007	.0013	.00082	.004	.00124	.00275	.00015	.00123	.0071
%RSD	.13194	.26455	.07358	.36807	.07347	.13189	26.429	.03674	.12535	.27740	.01512	.12347	.14437
#1	.99068	1.0061	1.9740	.98850	1.0026	1.0019	.00253	10.026	.99113	.99108	.98851	.99573	4.9427
#2	.99253	1.0099	1.9761	.99366	1.0016	1.0038	.00370	10.031	.99289	.99497	.98830	.99747	4.9528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.32**	**1.9922**	**39.847**	**.99965**	**.98746**	**10.155**	**10.420**	**.99155**	**1.9660**	**1.9884**	**-.00218**	**1.9877**	**1.9711**
Stddev	.23	.0070	.077	.00074	.00118	.007	.078	.00013	.0007	.0069	.00069	.0106	.0035
%RSD	.22520	.34949	.19206	.07428	.11964	.07076	.74553	.01286	.03430	.34884	31.690	.53274	.17589
#1	100.16	1.9971	39.901	.99912	.98662	10.150	10.475	.99164	1.9655	1.9835	-.00169	1.9802	1.9687
#2	100.48	1.9873	39.793	1.0002	.98829	10.161	10.365	.99146	1.9665	1.9933	-.00267	1.9951	1.9736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8920**	**21.169**	**1.9701**	**1.0008**	**-.00665**	**1.0045**	**1.9835**	**-.01760**	**.99855**	**1.0045**	**.99775**
Stddev	.0156	.033	.0011	.0011	.00248	.0004	.0032	.03378	.00285	.0042	.00191
%RSD	.15718	.15718	.05431	.10990	37.256	.04387	.16059	191.93	.28512	.41895	.19125
#1	9.8810	21.145	1.9694	1.0016	-.00840	1.0042	1.9813	.00629	1.0006	1.0074	.99640
#2	9.9030	21.192	1.9709	1.0001	-.00489	1.0048	1.9858	-.04149	.99654	1.0015	.99910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7964.5**	**98595.**	**8388.2**
Stddev	4.9	99.	68.5
%RSD	.06211	.10005	.81720
#1	7961.0	98526.	8436.7
#2	7968.0	98665.	8339.7

Sample Name: S2-2357612 Acquired: 11/8/2013 14:40:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00724**	**99.542**	**.00444**	**.00960**	**.00072**	**.00024**	**1.9396**	**.02048**	**-.00007**	**-.00118**	**-.00013**	**.01457**	**98.271**
Stddev	.00010	.269	.00198	.00032	.00038	.00005	.0018	.00405	.00003	.00003	.00007	.00022	.101
%RSD	1.3968	.27070	44.612	3.2934	52.692	22.544	.09071	19.768	40.553	2.7537	50.764	1.5227	.10282
#1	.00717	99.352	.00304	.00982	.00098	.00028	1.9408	.01762	-.00005	-.00120	-.00018	.01442	98.343
#2	.00731	99.733	.00583	.00938	.00045	.00020	1.9383	.02335	-.00009	-.00115	-.00008	.01473	98.200
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11433**	**.00230**	**.17195**	**.00113**	**-.00040**	**498.42**	**.00002**	**.00202**	**.00309**	**9.8811**	**.00550**	**.00311**	**.05261**
Stddev	.00468	.00093	.00149	.00003	.00002	1.94	.00019	.00001	.00001	.0108	.00165	.00164	.01525
%RSD	4.0922	40.295	.86691	2.9017	5.9763	.38898	1185.1	.60634	.24557	.10932	30.059	52.634	28.991
#1	.11764	.00165	.17090	.00110	-.00038	497.05	.00015	.00203	.00310	9.8887	.00433	.00427	.06339
#2	.11103	.00296	.17301	.00115	-.00041	499.79	-.00012	.00201	.00309	9.8735	.00667	.00195	.04182
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11258**	**.00164**	**.00093**	**9.8813**	**-.01105**	**.00246**	**19.993**	**.00176**	**.00077**	**.02058**
Stddev	.03264	.00175	.00006	.0588	.00051	.00007	.055	.00019	.00046	.00107
%RSD	28.991	106.47	6.9817	.59515	4.6023	2.9767	.27480	10.605	59.669	5.1900
#1	.13566	.00288	.00088	9.8397	-.01069	.00241	19.954	.00189	.00110	.01982
#2	.08950	.00041	.00098	9.9229	-.01140	.00251	20.032	.00163	.00045	.02133
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7714.0**	**94899.**	**8409.3**
Stddev	29.8	316.	30.8
%RSD	.38601	.33303	.36645
#1	7735.0	95123.	8431.1
#2	7692.9	94676.	8387.6

Sample Name: ICVH-2348911 Acquired: 11/8/2013 14:44:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**40.940**	**.00090**	**.00101**	**.00260**	**.00013**	W **.53327**	**.00876**	**-.00013**	**.00044**	**-.00023**	**.00431**
Stddev	.00034	.108	.00177	.00022	.00006	.00013	.00109	.00308	.00011	.00017	.00022	.00035
%RSD	20.531	.26350	195.37	22.146	2.3294	99.420	.20460	35.206	83.694	38.764	94.149	8.1776
#1	.00189	41.016	.00215	.00117	.00264	.00022	.53404	.01094	-.00005	.00057	-.00038	.00406
#2	.00141	40.864	-.00035	.00085	.00255	.00004	.53250	.00658	-.00021	.00032	-.00008	.00455
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.043**	**-.01861**	**-.00109**	**.04561**	**.00022**	**-.00034**	**42.049**	**.00105**	**.00059**	**.00086**	**3.9100**	**.00168**
Stddev	.299	.00007	.00037	.00027	.00006	.00015	.269	.00020	.00060	.00114	.0099	.00124
%RSD	.36947	.38924	33.745	.58884	28.526	45.790	.63867	19.261	101.05	133.11	.25378	73.827
#1	81.254	-.01856	-.00135	.04542	.00026	-.00045	42.239	.00119	.00101	.00166	3.9170	.00256
#2	80.831	-.01866	-.00083	.04580	.00017	-.00023	41.859	.00090	.00017	.00005	3.9030	.00081
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.00034**	**.00072**	**.00056**	**.00012**	**2.9964**	**-.00339**	**.00083**	**5.2629**	**.00013**	**.00246**	**.00910**
Stddev	.00092	.01923	.04116	.00025	.00007	.0054	.00031	.00034	.0022	.00006	.00034	.00252
%RSD	66.235	5677.5	5677.5	44.693	54.413	.18121	9.0109	41.186	.04239	48.583	13.917	27.642
#1	-.00205	-.01326	-.02838	.00038	.00007	2.9925	-.00317	.00107	5.2645	.00008	.00222	.01088
#2	-.00074	.01394	.02983	.00074	.00017	3.0002	-.00360	.00059	5.2613	.00017	.00270	.00732
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.2**	**100800.**	**8557.3**
Stddev	18.1	341.	27.3
%RSD	.22336	.33860	.31881
#1	8104.3	100560.	8538.0
#2	8130.0	101040.	8576.6

Sample Name: X Acquired: 11/8/2013 14:47:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25145**	W **.27070**	**.24824**	**.25115**	**.25073**	**.24345**	**.00505**	**2.0185**	**.25236**	**.25295**	**.25210**	**.25359**
Stddev	.00174	.00128	.00072	.00024	.00111	.00015	.00001	.0053	.00175	.00047	.00013	.00028
%RSD	.69315	.47363	.29154	.09613	.44356	.05990	.22032	.26117	.69310	.18723	.05062	.11041
#1	.25268	.27161	.24773	.25132	.24995	.24334	.00505	2.0148	.25360	.25261	.25201	.25379
#2	.25022	.26980	.24875	.25097	.25152	.24355	.00504	2.0222	.25113	.25328	.25219	.25339
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.36407**	**20.118**	**.25066**	**9.9985**	**.25258**	**.24923**	F **2.3822**	**.25420**	**1.9353**	**.25541**	**.00501**	**.24870**
Stddev	.14302	.044	.00246	.0329	.00018	.00008	.4603	.00038	.0010	.00093	.00156	.00299
%RSD	39.284	.21668	.98196	.32867	.07072	.03095	19.322	.15098	.04919	.36277	31.022	1.2030
#1	.46521	20.087	.24892	10.022	.25245	.24917	2.7076	.25447	1.9360	.25475	.00391	.25081
#2	.26294	20.149	.25240	9.9752	.25271	.24928	2.0567	.25393	1.9347	.25606	.00611	.24658
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.25000						2.0000					
Range	10.490%						10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49350**	**2.0014**	**4.2830**	**.50643**	**.24920**	**.00019**	**.24930**	**.52200**	**.00701**	**.24816**	**.25180**	**.24710**
Stddev	.00044	.0160	.0343	.00150	.00061	.00014	.00043	.00051	.00491	.00020	.00213	.00249
%RSD	.09013	.80117	.80117	.29559	.24304	73.449	.17182	.09809	70.109	.08141	.84512	1.0093
#1	.49381	1.9901	4.2588	.50748	.24877	.00029	.24900	.52236	.00353	.24802	.25331	.24534
#2	.49318	2.0128	4.3073	.50537	.24962	.00009	.24960	.52164	.01048	.24830	.25030	.24887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8065.3**	**101550.**	**8413.5**
Stddev	.1	141.	25.8
%RSD	.00163	.13845	.30660
#1	8065.2	101650.	8431.7
#2	8065.4	101450.	8395.2

Sample Name: ICV-2364198 Acquired: 11/8/2013 14:57:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25059**	W **.26894**	**.24780**	**.25207**	**.25284**	**.24470**	**.00239**	**2.0560**	**.25323**	**.25262**	**.25359**	**.25340**
Stddev	.00038	.00012	.00162	.00022	.00016	.00030	.00256	.0158	.00013	.00018	.00041	.00026
%RSD	.15074	.04411	.65263	.08611	.06255	.12209	107.33	.76596	.05076	.07222	.16112	.10392
#1	.25032	.26903	.24894	.25191	.25273	.24491	.00420	2.0672	.25332	.25275	.25387	.25321
#2	.25086	.26886	.24665	.25222	.25296	.24449	.00058	2.0449	.25314	.25250	.25330	.25358
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25746**	**20.306**	**.25482**	**9.9922**	**.25245**	**.24940**	**2.0293**	**.25605**	**1.9392**	**.25725**	**.00752**	**.25461**
Stddev	.00085	.008	.00258	.0076	.00045	.00002	.0173	.00013	.0006	.00046	.00244	.00006
%RSD	.33173	.04044	1.0131	.07581	.17661	.00733	.85071	.05054	.03165	.17953	32.452	.02491
#1	.25686	20.312	.25299	9.9869	.25214	.24941	2.0171	.25614	1.9388	.25757	.00579	.25466
#2	.25807	20.300	.25664	9.9976	.25277	.24939	2.0415	.25596	1.9397	.25692	.00924	.25457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49496**	**2.0055**	**4.2917**	**.50753**	**.25095**	**-.00114**	**.24873**	**.52291**	**-.01789**	**.24830**	**.25400**	**.24719**
Stddev	.00040	.0132	.0282	.00049	.00023	.00037	.00126	.00132	.00479	.00011	.00309	.00139
%RSD	.08139	.65592	.65592	.09750	.09160	32.255	.50463	.25175	26.791	.04238	1.2149	.56372
#1	.49468	1.9962	4.2718	.50718	.25112	-.00140	.24784	.52198	-.01450	.24822	.25618	.24818
#2	.49525	2.0148	4.3116	.50788	.25079	-.00088	.24961	.52384	-.02128	.24837	.25182	.24621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8072.0**	**102610.**	**8501.8**
Stddev	6.9	139.	3.2
%RSD	.08596	.13542	.03790
#1	8067.1	102710.	8499.5
#2	8076.9	102510.	8504.0

Sample Name: ICV-2364198 Acquired: 11/8/2013 14:59:35 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25236**	W **.26916**	**.25152**	**.25234**	**.25205**	**.24308**	**.00177**	**2.0340**	**.25318**	**.25475**	**.25395**	**.25521**
Stddev	.00095	.00048	.00006	.00111	.00118	.00012	.00079	.0068	.00040	.00067	.00033	.00021
%RSD	.37508	.17674	.02471	.44048	.46783	.05112	44.420	.33426	.15723	.26294	.12891	.08103
#1	.25303	.26950	.25147	.25312	.25288	.24299	.00232	2.0292	.25346	.25522	.25418	.25507
#2	.25169	.26883	.25156	.25155	.25121	.24316	.00121	2.0388	.25290	.25428	.25372	.25536
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25509**	**20.143**	**.25311**	**10.074**	**.25431**	**.24990**	**2.0282**	**.25615**	**1.9418**	**.25712**	**.00435**	**.25730**
Stddev	.00009	.040	.00042	.015	.00017	.00082	.0002	.00106	.0053	.00108	.00173	.00124
%RSD	.03496	.19752	.16493	.14463	.06765	.32694	.01169	.41451	.27027	.41859	39.759	.48294
#1	.25516	20.171	.25281	10.084	.25419	.25048	2.0284	.25690	1.9455	.25789	.00557	.25642
#2	.25503	20.115	.25340	10.063	.25443	.24933	2.0280	.25540	1.9380	.25636	.00313	.25818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49736**	**1.9826**	**4.2428**	**.50976**	**.24996**	**-.00108**	**.25048**	**.52722**	**-.00702**	**.24881**	**.25639**	**.24545**
Stddev	.00057	.0235	.0502	.00135	.00057	.00195	.00039	.00022	.04013	.00031	.00057	.00198
%RSD	.11452	1.1837	1.1837	.26526	.22949	181.28	.15699	.04263	571.31	.12547	.22151	.80768
#1	.49776	1.9660	4.2073	.51071	.25037	.00030	.25020	.52738	-.03540	.24859	.25679	.24404
#2	.49696	1.9992	4.2783	.50880	.24956	-.00246	.25076	.52706	.02135	.24903	.25599	.24685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.6**	**101490.**	**8556.2**
Stddev	17.3	430.	22.5
%RSD	.21326	.42344	.26241
#1	8079.4	101190.	8540.3
#2	8103.8	101800.	8572.1

Sample Name: ICVL2367586 Acquired: 11/8/2013 15:16:08 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.11287**	**.01385**	**.09710**	**.00990**	**.00111**	**.12464**	**.21333**	**.00567**	**.01060**	**.01076**	**.01562**	**.10599**
Stddev	.00030	.00856	.00038	.00059	.00030	.00005	.00443	.00024	.00015	.00054	.00019	.00018	.00278
%RSD	3.1012	7.5838	2.7483	.60934	3.0421	4.7742	3.5506	.11197	2.5719	5.0932	1.7769	1.1260	2.6209
#1	.00996	.10682	.01358	.09668	.01011	.00115	.12776	.21350	.00557	.01022	.01062	.01574	.10403
#2	.00953	.11893	.01412	.09752	.00969	.00107	.12151	.21316	.00578	.01098	.01089	.01549	.10796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0862**	**.01157**	**.20933**	**.01035**	**.02019**	**1.0389**	**.04223**	**2.8594**	**.01143**	**.00467**	**.01124**	**.01486**	**.49863**
Stddev	.0227	.00063	.00119	.00005	.00006	.0093	.00025	.0008	.00055	.00211	.00001	.00203	.02044
%RSD	.73410	5.4053	.56626	.44515	.27902	.89094	.58416	.02866	4.8067	45.275	.09753	13.665	4.0986
#1	3.0701	.01112	.21017	.01032	.02015	1.0323	.04206	2.8588	.01104	.00317	.01125	.01342	.48417
#2	3.1022	.01201	.20849	.01039	.02023	1.0454	.04241	2.8600	.01182	.00617	.01123	.01630	.51308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0671**	**.10346**	**.01035**	**.01516**	**.01010**	**.01712**	F **.08832**	**.00928**	**.02442**	**.01566**
Stddev	.0437	.00050	.00021	.00124	.00047	.00150	.01400	.00037	.00055	.00185
%RSD	4.0986	.48751	2.0261	8.1663	4.6335	8.7486	15.847	3.9722	2.2560	11.833
#1	1.0361	.10310	.01020	.01603	.00976	.01818	.07842	.00954	.02481	.01697
#2	1.0980	.10381	.01050	.01428	.01043	.01606	.09822	.00902	.02403	.01435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.6**	**104590.**	**8530.9**
Stddev	54.9	174.	10.1
%RSD	.67510	.16626	.11830
#1	8175.4	104710.	8538.1
#2	8097.7	104470.	8523.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 15:19:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**50.178**	**.00118**	**.00479**	**.00033**	**.00015**	**.98012**	**.00053**	**-.00008**	**-.00086**	**-.00007**	**.00664**	**49.704**
Stddev	.00018	.251	.00226	.00030	.00006	.00004	.00344	.00065	.00016	.00014	.00008	.00024	.153
%RSD	7.3196	.50109	191.96	6.3496	19.394	25.317	.35090	122.69	200.48	16.613	120.69	3.6045	.30850
#1	.00252	50.000	.00278	.00501	.00038	.00012	.98256	.00007	.00003	-.00096	-.00001	.00647	49.596
#2	.00227	50.356	-.00042	.00458	.00028	.00017	.97769	.00099	-.00020	-.00076	-.00013	.00681	49.813
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05847**	**.00085**	**.08056**	**.00035**	**-.00038**	**250.52**	**.00024**	**.00169**	**.00169**	**4.8821**	**.00264**	**.00022**	**.02042**
Stddev	.02145	.00205	.00457	.00004	.00007	1.03	.00018	.00043	.00021	.0037	.00032	.00049	.00442
%RSD	36.693	241.91	5.6674	12.845	18.798	.40942	77.238	25.401	12.667	.07656	12.211	222.58	21.625
#1	.07363	-.00060	.08379	.00032	-.00033	249.79	.00011	.00200	.00185	4.8795	.00241	.00057	.02354
#2	.04330	.00230	.07733	.00038	-.00043	251.24	.00037	.00139	.00154	4.8848	.00287	-.00013	.01730
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04370**	**-.00038**	**.00040**	**4.8493**	**-.00552**	**.00177**	**10.104**	**.00047**	**.00187**	**.01613**
Stddev	.00945	.00010	.00004	.0094	.00029	.00040	.015	.00038	.00026	.00170
%RSD	21.625	27.602	9.4507	.19384	5.2364	22.720	.14803	79.730	13.834	10.565
#1	.05038	-.00045	.00042	4.8559	-.00572	.00205	10.115	.00021	.00168	.01493
#2	.03702	-.00030	.00037	4.8426	-.00531	.00148	10.093	.00074	.00205	.01734
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7824.5**	**97427.**	**8340.8**
Stddev	3.6	22.	69.0
%RSD	.04616	.02257	.82686
#1	7822.0	97442.	8389.6
#2	7827.1	97411.	8292.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 15:21:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49144**	**.51808**	**.96376**	**.48596**	**.49743**	**.49164**	**-.00052**	**4.9583**	**.48983**	**.49968**	**.49263**	**.50083**	**2.4698**
Stddev	.00159	.00088	.00892	.00010	.00303	.00338	.00327	.0358	.00008	.00121	.00127	.00239	.0236
%RSD	.32425	.17044	.92594	.02005	.60982	.68790	632.04	.72193	.01708	.24242	.25768	.47761	.95630
#1	.49031	.51870	.95745	.48589	.49957	.49403	.00179	4.9836	.48989	.49882	.49353	.49914	2.4865
#2	.49256	.51745	.97007	.48603	.49528	.48925	-.00283	4.9330	.48977	.50053	.49173	.50252	2.4531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.358**	**.99506**	**19.561**	**.49931**	**.49153**	**5.1763**	**.49750**	**.95427**	**1.0004**	**.00252**	**.99337**	**.95209**	**4.8742**
Stddev	.225	.00623	.032	.00031	.00106	.0508	.00085	.00137	.0046	.00017	.00226	.00299	.0472
%RSD	.45633	.62567	.16596	.06253	.21585	.98222	.16993	.14373	.46096	6.5998	.22797	.31378	.96862
#1	49.517	.99946	19.538	.49909	.49228	5.2122	.49690	.95524	.99712	.00241	.99177	.94997	4.9076
#2	49.198	.99066	19.584	.49953	.49078	5.1403	.49810	.95330	1.0036	.00264	.99497	.95420	4.8408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.431**	**.97976**	**.49545**	**-.00260**	**.50056**	**1.0116**	**.00086**	**.49687**	**.49374**	**.49369**
Stddev	.101	.00302	.00390	.00101	.00019	.0025	.02167	.00012	.00102	.00283
%RSD	.96862	.30786	.78665	38.672	.03724	.24990	2516.4	.02486	.20644	.57318
#1	10.502	.97763	.49821	-.00189	.50069	1.0098	.01619	.49679	.49302	.49169
#2	10.359	.98189	.49269	-.00331	.50043	1.0133	-.01446	.49696	.49447	.49569
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.1**	**100440.**	**8410.0**
Stddev	12.7	229.	79.5
%RSD	.15874	.22789	.94538
#1	8010.1	100600.	8353.7
#2	8028.1	100280.	8466.2

Sample Name: ICB Acquired: 11/8/2013 15:24:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00617**	**.00286**	**.00158**	**.00007**	**.00033**	**.00145**	**.00243**	**.00031**	**-.00005**	**.00025**	**-.00067**
Stddev	.00002	.00361	.00099	.00035	.00025	.00007	.00088	.00043	.00002	.00011	.00007	.00003
%RSD	5.3352	58.526	34.477	22.279	338.56	22.448	60.698	17.781	6.7319	247.48	26.993	4.9775
#1	.00046	.00872	.00216	.00183	.00025	.00039	.00207	.00273	.00030	.00003	.00030	-.00069
#2	.00043	.00361	.00356	.00133	-.00010	.00028	.00082	.00212	.00033	-.00013	.00020	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00541**	**.03997**	**.00119**	**.00541**	**.00009**	**.00050**	**.02496**	**-.00003**	**-.00065**	**.00243**	**.00585**	W **.00427**
Stddev	.00164	.05913	.00065	.00110	.00003	.00017	.00110	.00024	.00170	.00016	.00370	.00048
%RSD	30.263	147.93	54.618	20.269	37.786	34.641	4.4049	905.14	261.46	6.4512	63.312	11.220
#1	.00426	.08178	.00165	.00464	.00011	.00063	.02574	-.00020	.00055	.00254	.00323	.00393
#2	.00657	-.00184	.00073	.00619	.00007	.00038	.02418	.00014	-.00186	.00232	.00847	.00461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.02023**	**.04328**	**.00063**	**.00024**	**.00041**	**.00009**	**.00086**	**-.00421**	**.00027**	**.00433**	**.00053**
Stddev	.00087	.01316	.02817	.00118	.00007	.00092	.00039	.00096	.00838	.00007	.00018	.00250
%RSD	36.853	65.081	65.081	187.93	28.217	226.84	421.51	111.34	198.87	25.689	4.0451	472.69
#1	.00175	.02953	.06320	-.00021	.00019	-.00025	-.00018	.00018	.00171	.00022	.00445	.00230
#2	.00298	.01092	.02336	.00146	.00028	.00106	.00037	.00154	-.01014	.00032	.00420	-.00124
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.8**	**101640.**	**8399.9**
Stddev	27.7	271.	3.8
%RSD	.34561	.26710	.04546
#1	8039.4	101450.	8397.2
#2	8000.2	101830.	8402.6

Sample Name: CRI-2367585 Acquired: 11/8/2013 15:26:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00919**	**.10560**	**.01031**	**.09256**	W **.00744**	**.00110**	**.12039**	**.20493**	**.00482**	**.00491**	**.01012**	**.00942**
Stddev	.00024	.00098	.00051	.00117	.00024	.00004	.00121	.00042	.00008	.00004	.00005	.00017
%RSD	2.5661	.92834	4.9917	1.2631	3.2155	3.3629	1.0089	.20672	1.6944	.74419	.45810	1.8461
#1	.00902	.10630	.01068	.09339	.00727	.00108	.12125	.20463	.00476	.00488	.01015	.00929
#2	.00935	.10491	.00995	.09174	.00761	.00113	.11953	.20523	.00488	.00493	.01009	.00954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.00500							
Range					20.490%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.03736**	**1.0099**	**.00924**	**.19630**	**.00314**	**.00985**	**.99854**	**.01018**	**.90551**	**.00343**	**.10338**	**.01007**
Stddev	.00057	.0164	.00042	.00306	.00002	.00009	.00854	.00027	.00204	.00032	.00130	.00051
%RSD	1.5286	1.6216	4.5991	1.5606	.68358	.87224	.85561	2.6858	.22515	9.3701	1.2621	5.0757
#1	.03696	.99835	.00954	.19847	.00316	.00979	.99249	.01037	.90695	.00321	.10430	.00971
#2	.03777	1.0215	.00894	.19414	.00313	.00991	1.0046	.00998	.90407	.00366	.10245	.01043
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.03000											
Range	20.490%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01164**	**.49434**	**1.0579**	**.01906**	**.00502**	F **.00431**	**.00982**	**.01126**	**.04850**	**.00946**	W **.01374**	**.01043**
Stddev	.00133	.01714	.0367	.00053	.00006	.00048	.00002	.00217	.02167	.00035	.00080	.00132
%RSD	11.387	3.4672	3.4672	2.7929	1.1381	11.126	.17062	19.255	44.679	3.6898	5.8224	12.654
#1	.01258	.50646	1.0838	.01868	.00498	.00465	.00981	.01279	.03318	.00971	.01431	.01136
#2	.01071	.48222	1.0320	.01944	.00506	.00397	.00983	.00973	.06382	.00922	.01318	.00950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value						.01000					.01000	
Range						-50.000%					20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8098.1**	**102870.**	**8439.0**
Stddev	9.4	73.	38.4
%RSD	.11608	.07125	.45487
#1	8091.4	102920.	8466.1
#2	8104.7	102820.	8411.9

Sample Name: CRI-2368617 Acquired: 11/8/2013 15:48:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00014**	**.00255**	**.00005**	**.01003**	**.00002**	**.00166**	**.00841**	**.00006**	**.00004**
Stddev	.00005	.00007	.00053	.00028	.00006	.00008	.00088	.00188	.00004	.00016
%RSD	8.4313	49.203	20.668	584.04	.63027	451.45	52.661	22.353	74.718	426.18
#1	-.00054	.00019	.00218	-.00015	.01007	-.00004	.00104	.00708	.00003	.00015
#2	-.00060	.00009	.00292	.00025	.00998	.00008	.00228	.00974	.00009	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00010**	**.05190**	**.01798**	**-.00043**	**.00030**	**.00006**	**.00027**	**-.03445**	**.00025**
Stddev	.00016	.00073	.00271	.04859	.00058	.00000	.00004	.00010	.00319	.00024
%RSD	340.21	760.98	5.2216	270.30	135.79	.89877	60.126	36.048	9.2556	94.948
#1	.00016	-.00042	.05381	-.01638	-.00084	.00030	.00009	.00034	-.03670	.00008
#2	-.00007	.00061	.04998	.05233	-.00002	.00030	.00003	.00020	-.03219	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.00004**	**-.00030**	**-.00010**	**.00050**	**.00399**	**.00855**	**.00015**	**.00005**	**.00044**
Stddev	.00205	.00063	.00212	.00218	.00417	.01243	.02660	.00049	.00006	.00138
%RSD	140.95	1452.5	712.53	2134.6	829.08	311.27	311.27	336.60	118.11	317.00
#1	-.00291	-.00040	.00120	-.00165	-.00245	-.00480	-.01026	.00049	.00001	.00141
#2	.00000	.00049	-.00179	.00144	.00345	.01278	.02736	-.00020	.00010	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00117**	**.01231**	**-.00043**	**.02293**	**.00166**
Stddev	.00028	.00114	.04728	.00035	.00001	.00223
%RSD	198.58	97.432	384.20	81.602	.04221	134.15
#1	.00034	.00198	-.02112	-.00068	.02292	.00324
#2	-.00006	.00036	.04573	-.00018	.02293	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8068.9**	**102140.**	**8396.5**
Stddev	.5	599.	116.8
%RSD	.00621	.58669	1.3908
#1	8068.6	102560.	8313.9
#2	8069.3	101710.	8479.0

Sample Name: ICSA-2295334 Acquired: 11/8/2013 15:58:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	R **521.51**	**-.00173**	**-.00206**	**.00024**	**.00007**	W **-.03610**	**460.08**	**.00044**	**-.00074**	**.00069**
Stddev	.00020	.36	.00037	.00071	.00021	.00007	.00063	.42	.00008	.00004	.00012
%RSD	15.871	.06827	21.413	34.362	86.906	99.031	1.7329	.09237	17.181	5.7866	16.886
#1	-.00138	521.25	-.00146	-.00156	.00038	.00002	-.03655	460.38	.00049	-.00071	.00077
#2	-.00110	521.76	-.00199	-.00257	.00009	.00011	-.03566	459.78	.00038	-.00077	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.01200				
Low Limit							-.01200				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**195.20**	**-.03450**	W **.01074**	**501.65**	W **.00056**	**-.00016**	**.11675**	**-.00036**	**-.00599**	**.00138**
Stddev	.00025	.49	.00023	.00232	1.43	.00012	.00013	.01805	.00029	.00032	.00200
%RSD	11.196	.25000	.66783	21.644	.28475	20.719	83.816	15.464	81.934	5.3261	144.93
#1	.00209	195.54	-.03434	.01238	502.66	.00048	-.00025	.10398	-.00056	-.00621	-.00003
#2	.00245	194.85	-.03466	.00909	500.64	.00064	-.00006	.12952	-.00015	-.00576	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06203**	**.00065**	**-.00020**	**.00230**	**.00493**	**.00121**	W **.01525**	W **.00850**	**-.00056**	**-.00199**	**-.00174**
Stddev	.00128	.00063	.00566	.01605	.03435	.00050	.00012	.00181	.00002	.00074	.01517
%RSD	2.0638	97.319	2760.5	696.47	696.47	41.158	.77583	21.300	2.9159	37.357	874.15
#1	-.06294	.00020	.00379	-.00905	-.01936	.00086	.01533	.00722	-.00057	-.00252	.00899
#2	-.06113	.00109	-.00420	.01366	.02922	.00157	.01517	.00978	-.00055	-.00147	-.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050	.00800			
Low Limit							-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **.00269**	**-.00332**	**-.00237**
Stddev	.00062	.00000	.00295
%RSD	22.923	.10794	124.82
#1	.00225	-.00332	-.00028
#2	.00312	-.00331	-.00446
Check ?	Chk Warn	Chk Pass	Chk Pass
High Limit	.00222		
Low Limit	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7271.9**	**87427.**	**8213.8**
Stddev	13.6	21.	65.4
%RSD	.18740	.02438	.79592
#1	7281.6	87442.	8260.1
#2	7262.3	87412.	8167.6

Sample Name: ICSAB-2363707 Acquired: 11/8/2013 16:01:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0802**	R **514.67**	**1.9667**	**1.8070**	**.50002**	**.48213**	**1.0229**	**465.83**	**.99019**	**.46053**	**.48163**	**.53698**	**192.55**
Stddev	.0030	1.49	.0010	.0054	.00254	.00193	.0000	2.14	.00188	.00058	.00066	.00117	.04
%RSD	.27803	.28910	.05143	.30029	.50769	.40105	.00184	.46025	.19019	.12647	.13767	.21801	.01881
#1	1.0781	515.72	1.9674	1.8032	.50181	.48349	1.0229	464.32	.98886	.46095	.48116	.53616	192.53
#2	1.0823	513.61	1.9660	1.8108	.49822	.48076	1.0229	467.35	.99152	.46012	.48210	.53781	192.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.462**	**1.0506**	**489.90**	**.50345**	**.95311**	**53.124**	**.91105**	**1.8798**	**.90074**	**.93885**	**.97260**	**4.6488**	**9.7690**
Stddev	.028	.0014	5.54	.00337	.00123	.010	.00167	.0050	.00253	.00103	.00287	.0125	.0551
%RSD	.05350	.12982	1.1318	.66981	.12909	.01880	.18358	.26861	.28132	.10975	.29534	.26871	.56396
#1	52.481	1.0516	485.98	.50107	.95224	53.131	.90986	1.8763	.89895	.93813	.97057	4.6400	9.8079
#2	52.442	1.0496	493.82	.50584	.95398	53.117	.91223	1.8834	.90253	.93958	.97463	4.6577	9.7300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.906**	**8.9041**	**1.0048**	**2.0638**	**.99921**	**8.2278**	**-.01592**	**.51011**	**.97541**	**.98348**
Stddev	.118	.0187	.0044	.0170	.00770	.0039	.02986	.00536	.00482	.00214
%RSD	.56396	.21017	.44058	.82381	.77059	.04690	187.56	1.0512	.49401	.21755
#1	20.989	8.8909	1.0079	2.0518	.99377	8.2250	-.03703	.50632	.97200	.98500
#2	20.822	8.9174	1.0017	2.0758	1.0047	8.2305	.00519	.51390	.97881	.98197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7405.8**	**88701.**	**8421.8**
Stddev	.9	640.	48.8
%RSD	.01232	.72139	.57918
#1	7405.2	89153.	8456.3
#2	7406.5	88248.	8387.3

Sample Name: LRA-2305343 Acquired: 11/8/2013 16:04:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.2730	.05594	9.8133	9.2764	12.307	-.00399	-.08822	.08275	2.0279	5.0042	10.131	10.502	R 522.02
Stddev	.0124	.00987	.0354	.0296	.069	.00009	.00534	.00353	.0064	.0108	.031	.061	.13
%RSD	.97037	17.650	.36037	.31889	.56388	2.2006	6.0484	4.2642	.31469	.21585	.30885	.57889	.02439
#1	1.2817	.04896	9.8383	9.2974	12.258	-.00405	-.09199	.08524	2.0324	5.0118	10.153	10.545	521.93
#2	1.2643	.06292	9.7883	9.2555	12.356	-.00392	-.08445	.08025	2.0234	4.9966	10.109	10.459	522.11
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.19764	-.00148	.04502	10.028	4.9865	-.03621	10.127	.01189	10.176	-.07639	-.10836	4.8075	48.738
Stddev	.01999	.00099	.00679	.051	.0116	.01821	.021	.00057	.028	.00340	.00347	.0075	.246
%RSD	10.113	66.702	15.075	.50832	.23222	50.282	.21069	4.7932	.27425	4.4450	3.2042	.15643	.50568
#1	-.18351	-.00078	.04982	10.064	4.9946	-.02334	10.142	.01149	10.196	-.07398	-.10590	4.8022	48.564
#2	-.21177	-.00218	.04022	9.9918	4.9783	-.04909	10.111	.01229	10.156	-.07879	-.11081	4.8128	48.912
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	104.30	.01240	10.135	.01301	10.074	4.9196	.02557	10.127	9.7627	-.00287
Stddev	.53	.00015	.063	.00061	.026	.0169	.01518	.020	.0384	.00065
%RSD	.50568	1.2200	.62146	4.7174	.26036	.34442	59.368	.19628	.39298	22.623
#1	103.93	.01251	10.180	.01344	10.092	4.9315	.01483	10.141	9.7899	-.00333
#2	104.67	.01229	10.090	.01257	10.055	4.9076	.03630	10.112	9.7356	-.00241
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7962.6	100570.	8544.8
Stddev	12.5	323.	47.5
%RSD	.15702	.32096	.55532
#1	7971.4	100340.	8578.4
#2	7953.8	100800.	8511.3

Sample Name: Na 5000 Acquired: 11/8/2013 16:07:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.02750**	**.00356**	**.01432**	**.00360**	**.00014**	**.00316**	**.10414**	**.00031**	**-.00016**
Stddev	.00018	.00462	.00115	.00144	.00238	.00006	.00705	.02863	.00024	.00013
%RSD	11.403	16.794	32.421	10.076	66.127	45.588	222.82	27.492	78.071	84.150
#1	-.00174	.03077	.00274	.01534	.00529	.00018	-.00182	.12438	.00049	-.00006
#2	-.00148	.02424	.00437	.01330	.00192	.00009	.00814	.08389	.00014	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00257**	**.15531**	**1.8231**	**.00618**	**.05350**	**.00183**	**.00147**	RW **5224.7**	**.00106**
Stddev	.00023	.00021	.07624	1.0312	.00223	.00449	.00003	.00015	10.9	.00007
%RSD	27.132	8.0811	49.092	56.566	36.135	8.3898	1.6383	9.8930	.20775	6.1515
#1	.00100	.00243	.20922	1.0939	.00776	.05667	.00185	.00137	5217.0	.00102
#2	.00068	.00272	.10140	2.5523	.00460	.05032	.00181	.00157	5232.4	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**.00182**	**.03156**	**-.00094**	**.00208**	**.05219**	**.11169**	**.00108**	**.00276**	**-.00133**
Stddev	.00310	.00033	.00577	.00165	.00028	.00132	.00282	.00058	.00137	.00017
%RSD	42.736	18.276	18.270	174.86	13.452	2.5282	2.5282	54.180	49.559	12.751
#1	.00944	.00158	.02748	-.00211	.00228	.05126	.10969	.00149	.00373	-.00121
#2	.00506	.00205	.03564	.00022	.00188	.05312	.11369	.00066	.00180	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**-.00009**	**-.03000**	**.00185**	**.00860**	**-.00060**
Stddev	.00029	.00112	.01074	.00025	.00001	.00032
%RSD	14.652	1205.1	35.804	13.765	.13408	53.290
#1	.00219	-.00088	-.02241	.00203	.00861	-.00038
#2	.00178	.00070	-.03760	.00167	.00859	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6714.1**	**78969.**	**8015.8**
Stddev	40.9	194.	6.4
%RSD	.60870	.24620	.07957
#1	6685.2	79107.	8011.3
#2	6743.0	78832.	8020.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 16:11:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**50.563**	**.00340**	**.01189**	**.00019**	**.00008**	**.98709**	**.01004**	**.00007**	**-.00054**	**.00020**	**.00793**	**50.223**
Stddev	.00032	.025	.00262	.00108	.00025	.00004	.00299	.00311	.00012	.00019	.00001	.00064	.170
%RSD	11.145	.05006	77.209	9.0502	132.96	44.438	.30243	31.002	175.34	35.423	6.3055	8.1280	.33894
#1	.00263	50.581	.00154	.01265	.00001	.00010	.98921	.01224	-.00002	-.00068	.00021	.00747	50.344
#2	.00308	50.545	.00525	.01113	.00037	.00005	.98498	.00784	.00015	-.00041	.00019	.00838	50.103
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14702**	**.00360**	**.08523**	**.00054**	**.00000**	**253.31**	**.00011**	**.00198**	**.00099**	**4.9195**	**-.00107**	**-.00010**	**.01882**
Stddev	.02141	.00014	.00211	.00007	.0001	1.14	.00012	.00183	.00063	.0089	.00218	.00153	.01616
%RSD	14.563	3.8982	2.4734	12.728	2412.1	.45012	104.49	92.740	63.600	.18008	203.37	1478.6	85.886
#1	.16216	.00370	.08672	.00049	-.00007	252.50	.00020	.00327	.00144	4.9258	.00047	.00098	.03025
#2	.13188	.00350	.08374	.00059	.00006	254.12	.00003	.00068	.00055	4.9132	-.00262	-.00118	.00739
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04027**	**.00059**	**.00050**	**4.8289**	**-.00470**	**.00110**	**10.111**	**.00064**	**.00210**	**.01993**
Stddev	.03459	.00008	.00001	.0266	.00015	.00026	.051	.00041	.00002	.00231
%RSD	85.886	14.023	1.0835	.54976	3.1549	23.200	.50355	63.749	1.1134	11.566
#1	.06473	.00053	.00050	4.8477	-.00460	.00128	10.147	.00035	.00211	.01830
#2	.01581	.00065	.00050	4.8101	-.00481	.00092	10.075	.00093	.00208	.02156
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8034.4**	**100880.**	**8625.0**
Stddev	33.8	774.	14.0
%RSD	.42130	.76777	.16228
#1	8010.4	100330.	8634.9
#2	8058.3	101420.	8615.1

Sample Name: X Acquired: 11/8/2013 16:13:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48846**	**.52335**	**.97565**	**.49481**	**.49791**	**.49360**	**.00012**	**4.9757**	**.49220**	**.50258**	**.49696**	**.49852**	**2.4589**
Stddev	.00146	.00021	.00911	.00147	.00104	.00163	.00211	.0188	.00114	.00099	.00081	.00272	.0143
%RSD	.29791	.03917	.93354	.29617	.20922	.33071	1730.2	.37821	.23191	.19784	.16367	.54463	.57980
#1	.48743	.52321	.98209	.49378	.49718	.49244	-.00137	4.9624	.49139	.50188	.49639	.49660	2.4488
#2	.48949	.52350	.96921	.49585	.49865	.49475	.00162	4.9890	.49300	.50328	.49754	.50044	2.4690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.539**	**.98744**	**19.448**	**.49720**	**.50009**	F **5.6755**	**.50339**	**.96626**	**1.0056**	**-.00154**	**.99839**	**.96379**	**4.8567**
Stddev	.240	.00430	.030	.00049	.00182	.0498	.00234	.00395	.0063	.00016	.00038	.00164	.0284
%RSD	.48476	.43517	.15532	.09847	.36365	.87657	.46542	.40833	.63076	10.400	.03782	.16989	.58517
#1	49.369	.98440	19.427	.49685	.49880	5.7106	.50173	.96347	1.0011	-.00142	.99812	.96263	4.8366
#2	49.708	.99048	19.470	.49754	.50137	5.6403	.50505	.96905	1.0101	-.00165	.99866	.96495	4.8768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.393**	**.99024**	**.49603**	**-.00341**	**.49875**	**1.0104**	**.02218**	**.49806**	**.48840**	**.49523**
Stddev	.061	.00340	.00153	.00067	.00026	.0084	.01502	.00227	.00047	.00182
%RSD	.58517	.34319	.30906	19.534	.05222	.82838	67.712	.45649	.09628	.36781
#1	10.350	.98784	.49494	-.00388	.49856	1.0045	.03280	.49646	.48807	.49394
#2	10.436	.99265	.49711	-.00294	.49893	1.0164	.01156	.49967	.48873	.49652
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8144.8**	**102480.**	**8666.2**
Stddev	61.6	245.	28.0
%RSD	.75664	.23901	.32361
#1	8188.4	102300.	8686.0
#2	8101.3	102650.	8646.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:23:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50459**	**.51362**	**1.0066**	**.51221**	**.50484**	**.50335**	**-.00030**	**5.0816**	**.50888**	**.51165**	**.50781**	**.51150**	**2.4917**
Stddev	.00067	.00089	.0039	.00225	.00032	.00112	.00057	.0081	.00204	.00137	.00106	.00139	.0060
%RSD	.13216	.17279	.39071	.43884	.06262	.22269	191.83	.15869	.40090	.26789	.20788	.27176	.24267
#1	.50506	.51299	1.0038	.51062	.50462	.50414	-.00070	5.0873	.50744	.51068	.50707	.51249	2.4960
#2	.50412	.51425	1.0093	.51380	.50507	.50255	.00011	5.0759	.51033	.51262	.50856	.51052	2.4875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.620**	**1.0016**	**19.950**	**.50449**	**.50626**	**5.1922**	**.51399**	**1.0067**	**1.0318**	**-.00319**	**1.0417**	**1.0100**	**4.9653**
Stddev	.082	.0001	.030	.00116	.00194	.0077	.00222	.0059	.0046	.00114	.0086	.0060	.0017
%RSD	.16117	.01051	.15015	.22953	.38379	.14801	.43278	.59036	.44949	35.710	.82198	.59189	.03503
#1	50.678	1.0015	19.971	.50530	.50489	5.1976	.51242	1.0025	1.0285	-.00399	1.0357	1.0058	4.9641
#2	50.562	1.0017	19.929	.50367	.50763	5.1867	.51557	1.0109	1.0351	-.00238	1.0478	1.0142	4.9666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.626**	**1.0176**	**.50435**	**-.00523**	**.50403**	**1.0393**	**-.00563**	**.50615**	**.50091**	**.50128**
Stddev	.004	.0056	.00060	.00090	.00015	.0038	.01415	.00163	.00111	.00090
%RSD	.03503	.55050	.11974	17.271	.03051	.36233	251.10	.32159	.22242	.17953
#1	10.623	1.0137	.50477	-.00459	.50392	1.0366	-.01564	.50500	.50012	.50192
#2	10.628	1.0216	.50392	-.00586	.50414	1.0419	.00437	.50730	.50170	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8128.1**	**103200.**	**8568.4**
Stddev	2.2	234.	148.0
%RSD	.02705	.22705	1.7274
#1	8126.5	103040.	8463.7
#2	8129.7	103370.	8673.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:28:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50357**	**.51429**	**1.0062**	**.51272**	**.50649**	**.50414**	**.00138**	**5.0873**	**.50896**	**.51163**	**.50961**	**.51125**	**2.4877**
Stddev	.00003	.00087	.0022	.00112	.00166	.00345	.00409	.0265	.00058	.00029	.00013	.00091	.0202
%RSD	.00502	.16863	.21368	.21940	.32679	.68430	296.39	.52098	.11307	.05723	.02470	.17784	.81123
#1	.50355	.51367	1.0047	.51193	.50766	.50658	-.00151	5.1060	.50856	.51143	.50970	.51061	2.5019
#2	.50358	.51490	1.0077	.51352	.50532	.50170	.00427	5.0685	.50937	.51184	.50953	.51189	2.4734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.662**	**1.0070**	**20.003**	**.50376**	**.50921**	**5.1786**	**.51694**	**1.0080**	**1.0356**	**-.00586**	**1.0440**	**1.0119**	**4.9762**
Stddev	.340	.0038	.028	.00021	.00125	.0195	.00089	.0070	.0023	.00249	.0048	.0011	.0516
%RSD	.67158	.37983	.14239	.04079	.24499	.37719	.17130	.69385	.21804	42.483	.46290	.11048	1.0371
#1	50.903	1.0097	19.983	.50361	.50833	5.1924	.51631	1.0031	1.0340	-.00410	1.0405	1.0111	5.0127
#2	50.422	1.0043	20.023	.50390	.51010	5.1648	.51757	1.0130	1.0372	-.00762	1.0474	1.0127	4.9397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.649**	**1.0228**	**.50557**	**-.00597**	**.50285**	**1.0432**	**.02251**	**.50682**	**.50249**	**.50183**
Stddev	.110	.0018	.00312	.00195	.00012	.0012	.03773	.00021	.00154	.00139
%RSD	1.0371	.17903	.61762	32.706	.02446	.11829	167.58	.04098	.30608	.27706
#1	10.727	1.0215	.50777	-.00459	.50276	1.0424	-.00416	.50667	.50140	.50281
#2	10.571	1.0241	.50336	-.00736	.50294	1.0441	.04919	.50697	.50357	.50084
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8108.5**	**102590.**	**8622.8**
Stddev	12.2	132.	56.4
%RSD	.15088	.12833	.65458
#1	8117.2	102490.	8582.9
#2	8099.9	102680.	8662.7

Sample Name: CCB Acquired: 11/8/2013 16:35:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00045**	**.00117**	W **.00444**	**-.00016**	**.00023**	**-.00144**	**.00271**	**.00017**	**.00011**	**.00019**	**-.00001**
Stddev	.00021	.00022	.00128	.00017	.00025	.00014	.00381	.00560	.00014	.00019	.00024	.00012
%RSD	1295.2	48.310	109.27	3.9317	160.71	62.105	264.89	206.62	81.994	184.81	126.00	2001.4
#1	-.00013	.00029	.00027	.00456	.00002	.00013	-.00413	.00666	.00027	-.00003	.00002	.00008
#2	.00016	.00060	.00207	.00431	-.00033	.00034	.00126	-.00125	.00007	.00024	.00036	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.05851**	**.00205**	**.00428**	**.00005**	**.00031**	**.02833**	**-.00003**	**.00049**	**.00145**	**.00020**	**.00033**
Stddev	.00058	.03421	.00205	.00145	.00002	.00018	.00952	.00010	.00057	.00026	.00044	.00074
%RSD	144.57	58.464	99.797	33.885	44.620	59.057	33.595	332.08	117.46	18.021	222.44	225.15
#1	.00081	.08270	.00350	.00325	.00007	.00018	.03507	-.00010	.00008	.00126	.00051	-.00020
#2	-.00001	.03432	.00060	.00531	.00004	.00043	.02160	.00004	.00089	.00163	-.00011	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**.01346**	**.02880**	**.00026**	**.00010**	**.00135**	**.00026**	**-.00016**	**-.01911**	**-.00028**	**.00318**	**.00111**
Stddev	.00084	.00317	.00679	.00034	.00002	.00323	.00005	.00174	.01233	.00053	.00054	.00039
%RSD	53.097	23.571	23.571	130.50	15.436	238.38	20.815	1074.0	64.513	188.45	16.945	35.220
#1	-.00218	.01121	.02400	.00002	.00011	-.00093	.00022	-.00140	-.01039	.00009	.00357	.00084
#2	-.00099	.01570	.03360	.00051	.00009	.00364	.00030	.00107	-.02783	-.00065	.00280	.00139
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8103.3**	**103800.**	**8538.1**
Stddev	4.5	620.	1.8
%RSD	.05566	.59686	.02050
#1	8100.1	103360.	8539.4
#2	8106.5	104240.	8536.9

Sample Name: CCVL2367586 Acquired: 11/8/2013 16:38:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10798**	**.01636**	**.10017**	**.01006**	**.00113**	**.12240**	**.21239**	**.00545**	**.01064**	**.01073**	**.01584**	**.10334**	**3.0862**
Stddev	.00091	.00116	.00066	.00004	.00015	.00008	.00004	.00222	.00029	.00050	.00031	.00069	.00065	.0356
%RSD	9.0520	1.0746	4.0344	.03837	1.4678	6.8594	.03471	1.0444	5.3150	4.6683	2.8494	4.3367	.62971	1.1541
#1	.00939	.10716	.01683	.10015	.01017	.00108	.12243	.21082	.00525	.01029	.01051	.01633	.10288	3.0610
#2	.01068	.10880	.01589	.10020	.00996	.00119	.12237	.21395	.00566	.01099	.01094	.01536	.10380	3.1113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01161**	**.20800**	**.01043**	**.02075**	**1.0747**	**.04228**	**2.8873**	**.00985**	**.00220**	**.01166**	**.01612**	**.51522**	**1.1026**	**.10448**
Stddev	.00313	.00462	.00004	.00016	.0195	.00021	.0106	.00168	.00042	.00018	.00063	.00408	.0087	.00035
%RSD	26.971	2.2217	.38232	.79275	1.8185	.50794	.36743	17.012	19.049	1.5525	3.8960	.79264	.79264	.33816
#1	.01383	.20473	.01040	.02064	1.0609	.04212	2.8798	.00866	.00190	.01153	.01568	.51811	1.1088	.10423
#2	.00940	.21127	.01046	.02087	1.0886	.04243	2.8948	.01103	.00249	.01178	.01656	.51233	1.0964	.10473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.01527**	**.01010**	**.01682**	**.06118**	**.01015**	**.02480**	**.01553**
Stddev	.00014	.00127	.00050	.00030	.02514	.00001	.00017	.00111
%RSD	1.3177	8.3030	4.9253	1.8092	41.086	.11005	.67929	7.1535
#1	.01026	.01617	.00975	.01703	.07896	.01014	.02492	.01474
#2	.01046	.01437	.01045	.01660	.04341	.01015	.02468	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8222.8**	**105430.**	**8715.4**
Stddev	25.6	32.	46.3
%RSD	.31178	.03001	.53137
#1	8240.9	105450.	8682.7
#2	8204.7	105400.	8748.2

Sample Name: 48670-10 Acquired: 11/8/2013 16:40:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.01554**	**-.00124**	**.00546**	**.00207**	**.00013**	**.00506**	**.52197**	**.00005**	**.00017**
Stddev	.00051	.00014	.00065	.00029	.00021	.00009	.00022	.00559	.00008	.00007
%RSD	91.836	.87345	52.419	5.3617	10.134	70.444	4.3404	1.0715	174.32	39.212
#1	-.00020	.01563	-.00078	.00567	.00192	.00007	.00491	.51801	-.00001	.00022
#2	-.00092	.01544	-.00170	.00526	.00222	.00019	.00522	.52592	.00010	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00781**	**.00424**	**.06421**	**.00105**	**.30492**	**.00148**	**.00025**	**2.2757**	**.00258**
Stddev	.00006	.00006	.00057	.00288	.00135	.00559	.00002	.00037	.0002	.00018
%RSD	15.720	.80236	13.447	4.4892	128.58	1.8338	1.2853	146.57	.00929	7.1601
#1	.00035	.00777	.00465	.06217	.00201	.30887	.00147	-.00001	2.2758	.00245
#2	.00044	.00786	.00384	.06624	.00010	.30096	.00149	.00051	2.2755	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03257**	**.00064**	**1.6797**	**-.00285**	**.00040**	**.03954**	**.08462**	**-.00021**	**.01028**	**-.00004**
Stddev	.00068	.00005	.0077	.00094	.00010	.00845	.01807	.00012	.00015	.00030
%RSD	2.0851	7.1801	.46139	32.802	26.507	21.356	21.356	59.584	1.4991	760.25
#1	.03305	.00061	1.6742	-.00219	.00047	.04552	.09740	-.00012	.01017	-.00025
#2	.03209	.00067	1.6852	-.00351	.00032	.03357	.07184	-.00029	.01039	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00205**	**.00391**	**-.00036**	**.00466**	**-.00059**
Stddev	.00032	.00063	.01544	.00003	.00023	.00061
%RSD	146.70	30.739	394.70	8.1479	5.0136	103.31
#1	.00044	.00250	.01483	-.00038	.00449	-.00103
#2	-.00001	.00161	-.00701	-.00034	.00482	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8439.1**	**108280.**	**8786.5**
Stddev	2.5	490.	7.1
%RSD	.02952	.45280	.08046
#1	8437.3	108630.	8791.5
#2	8440.9	107940.	8781.5

Sample Name: 48776-6 Acquired: 11/8/2013 16:42:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00239**	**-.00104**	**.11280**	**-.00009**	**.00015**	**.00560**	**.00570**	**.00007**	**.00022**
Stddev	.00010	.00029	.00298	.00011	.00012	.00001	.00180	.00168	.00009	.00019
%RSD	715.93	12.007	286.89	.09841	132.22	8.3636	32.044	29.405	119.47	83.631
#1	-.00009	.00259	.00107	.11273	-.00001	.00014	.00433	.00689	.00001	.00035
#2	.00006	.00218	-.00314	.11288	-.00018	.00016	.00687	.00452	.00013	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00024**	**.00129**	**.06785**	**.00001**	**.00139**	**.00009**	**.00006**	**6.3326**	**.00067**
Stddev	.00002	.00020	.00035	.01713	.00011	.00161	.00009	.00002	.0234	.00030
%RSD	7.1978	84.216	27.121	25.253	1894.8	115.90	104.07	34.850	.37032	45.096
#1	.00022	.00039	.00153	.05573	.00008	.00025	.00015	.00008	6.3492	.00089
#2	.00025	.00010	.00104	.07997	-.00007	.00252	.00002	.00005	6.3160	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00055**	**.01238**	**-.00073**	**.00109**	**5.0632**	**10.835**	**-.00125**	**.00013**	**-.00158**
Stddev	.00070	.00048	.00224	.00099	.00057	.0178	.038	.00045	.00005	.00175
%RSD	553.79	87.609	18.095	134.99	52.522	.35228	.35228	35.797	40.614	110.64
#1	-.00037	-.00089	.01079	-.00143	.00068	5.0758	10.862	-.00093	.00017	-.00282
#2	.00062	-.00021	.01396	-.00003	.00149	5.0506	10.808	-.00156	.00010	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00145**	**.02677**	**-.00048**	**.00111**	**.00031**
Stddev	.00017	.00083	.05529	.00033	.00004	.00050
%RSD	73.051	57.290	206.53	68.687	3.2277	160.38
#1	.00011	.00203	.06586	-.00025	.00113	-.00004
#2	.00035	.00086	-.01232	-.00072	.00108	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.1**	**106090.**	**8815.0**
Stddev	8.8	606.	68.4
%RSD	.10460	.57086	.77614
#1	8379.9	106520.	8863.4
#2	8392.3	105660.	8766.6

Sample Name: mb 280-198991/1-a Acquired: 11/8/2013 16:45:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00432**	**.00218**	**.00361**	**.00012**	**.00008**	**-.00029**	**.00702**	**.00015**	**-.00006**
Stddev	.00036	.00014	.00116	.00048	.00024	.00001	.00046	.00129	.00003	.00021
%RSD	43.307	3.3162	52.881	13.286	203.63	17.187	161.65	18.404	23.366	368.81
#1	-.00108	.00422	.00300	.00395	-.00005	.00007	-.00062	.00611	.00012	.00009
#2	-.00057	.00442	.00137	.00327	.00028	.00009	.00004	.00793	.00017	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00010**	**.01138**	**.01340**	**.00069**	**.00138**	**.00010**	**.00004**	**.03837**	**.00040**
Stddev	.00008	.00016	.00208	.02735	.00120	.00316	.00006	.00005	.02812	.00024
%RSD	30.651	156.57	18.253	204.19	174.55	228.37	60.541	138.98	73.285	59.372
#1	.00021	-.00022	.00991	-.00595	.00153	.00362	.00006	.00000	.01849	.00023
#2	.00033	.00001	.01285	.03274	-.00016	-.00085	.00015	.00008	.05825	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**.00015**	**.01129**	**.00357**	**.00195**	**.01639**	**.03506**	**.00024**	**.00001**	**-.00127**
Stddev	.00032	.00090	.00243	.00011	.00063	.00269	.00576	.00001	.00005	.00124
%RSD	6.2681	585.70	21.511	2.9667	32.017	16.422	16.422	5.0511	386.30	97.876
#1	.00526	-.00048	.01300	.00349	.00151	.01829	.03914	.00023	.00004	-.00039
#2	.00481	.00079	.00957	.00364	.00240	.01448	.03099	.00025	-.00002	-.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00027**	W **.05192**	**-.00046**	**.00293**	**.00072**
Stddev	.00002	.00068	.00038	.00077	.00009	.00037
%RSD	4.3773	249.85	.72645	165.72	2.9769	51.045
#1	.00036	.00021	.05166	.00008	.00287	.00046
#2	.00034	-.00075	.05219	-.00101	.00299	.00098
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8042.8**	**103670.**	**8489.5**
Stddev	9.8	174.	19.2
%RSD	.12168	.16830	.22582
#1	8035.9	103800.	8476.0
#2	8049.8	103550.	8503.1

Sample Name: lcs 280-198991/2-a Acquired: 11/8/2013 16:47:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04968	1.9767	1.0161	1.0013	2.0844	.05123	2.3130	50.804	.10587	.50698
Stddev	.00040	.0025	.0025	.0010	.0109	.00011	.0023	.251	.00006	.00001
%RSD	.80932	.12821	.24765	.10530	.52089	.21579	.09937	.49498	.05519	.00196
#1	.04996	1.9749	1.0179	1.0006	2.0767	.05115	2.3146	50.626	.10582	.50697
#2	.04940	1.9785	1.0143	1.0021	2.0921	.05131	2.3114	50.982	.10591	.50698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20815	.26348	1.0107	52.058	1.0310	50.405	.51128	1.0309	54.188	.50806
Stddev	.00033	.00104	.0116	.303	.0039	.050	.00050	.0007	.216	.00006
%RSD	.15862	.39448	1.1463	.58204	.38044	.09997	.09825	.06671	.39941	.01153
#1	.20838	.26274	1.0025	51.843	1.0282	50.370	.51093	1.0314	54.035	.50810
#2	.20791	.26421	1.0189	52.272	1.0338	50.441	.51164	1.0304	54.341	.50802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.199	.50317	-.00896	.50764	2.0053	10.147	21.714	2.0328	1.0374	1.0463
Stddev	.006	.00062	.00161	.00134	.0094	.085	.182	.0053	.0073	.0031
%RSD	.05876	.12387	17.991	.26345	.46724	.83882	.83882	.25956	.70858	.29490
#1	10.204	.50273	-.01010	.50669	1.9986	10.087	21.585	2.0291	1.0322	1.0485
#2	10.195	.50361	-.00782	.50858	2.0119	10.207	21.843	2.0365	1.0426	1.0442
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0341	2.0121	2.2200	.52438	.50255	.51647
Stddev	.0036	.0059	.0107	.00148	.00076	.00455
%RSD	.34950	.29536	.48224	.28158	.15194	.88052
#1	1.0316	2.0079	2.2124	.52333	.50201	.51326
#2	1.0367	2.0164	2.2276	.52542	.50309	.51969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7873.5	99555.	8626.7
Stddev	6.1	477.	20.6
%RSD	.07746	.47897	.23899
#1	7877.8	99892.	8612.1
#2	7869.2	99218.	8641.3

Sample Name: 280-48662-e-1-a Acquired: 11/8/2013 16:49:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01988**	**-.00019**	**.00427**	**.00019**	**.00012**	**-.00037**	**.05344**	**.00023**	**-.00006**
Stddev	.00019	.00025	.00056	.00017	.00030	.00005	.00087	.00101	.00005	.00005
%RSD	81.577	1.2763	298.03	3.9290	162.44	44.658	237.20	1.8861	19.242	89.355
#1	-.00037	.01970	.00021	.00439	.00040	.00016	.00025	.05273	.00027	-.00002
#2	-.00010	.02006	-.00058	.00415	-.00003	.00008	-.00098	.05416	.00020	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00005**	**.01379**	**.04598**	**.00064**	**.00848**	**.00068**	**.00084**	**.05628**	**.00029**
Stddev	.00006	.00019	.00154	.03256	.00035	.00049	.00000	.00016	.01405	.00017
%RSD	53.425	406.67	11.137	70.805	54.731	5.7365	.46775	19.541	24.963	58.030
#1	.00007	.00009	.01488	.06900	.00088	.00813	.00067	.00096	.06622	.00017
#2	.00015	-.00018	.01271	.02296	.00039	.00882	.00068	.00072	.04635	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**-.00005**	**.00764**	**-.00018**	**.00263**	**.04864**	**.10409**	**.00031**	**.00043**	**.00007**
Stddev	.00083	.00029	.00291	.00139	.00220	.01020	.02182	.00003	.00011	.00156
%RSD	62.418	638.88	38.019	778.81	83.649	20.968	20.968	10.261	25.734	2077.3
#1	.00192	-.00025	.00970	.00081	.00418	.04143	.08865	.00029	.00035	-.00103
#2	.00074	.00016	.00559	-.00116	.00107	.05585	.11952	.00033	.00050	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00065**	**.02945**	**.00018**	**.00364**	**.00146**
Stddev	.00011	.00030	.02633	.00008	.00004	.00170
%RSD	25.543	46.343	89.394	47.161	1.1369	116.14
#1	.00051	.00044	.04807	.00023	.00367	.00026
#2	.00036	.00087	.01083	.00012	.00361	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8201.2**	**106220.**	**8719.0**
Stddev	2.8	651.	70.9
%RSD	.03421	.61292	.81340
#1	8199.2	105760.	8668.8
#2	8203.2	106680.	8769.1

Sample Name: 280-48651-b-6-c Acquired: 11/8/2013 16:52:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**7.1018**	**.00192**	**.03023**	**.14381**	**.00065**	**-.00103**	**39.510**	**.00778**	**.01289**
Stddev	.00059	.0178	.00221	.00010	.00125	.00004	.00001	.004	.00015	.00000
%RSD	93.949	.25002	115.20	.34262	.86878	6.4008	.86697	.01139	1.9448	.03171
#1	-.00021	7.0892	.00036	.03016	.14293	.00062	-.00104	39.507	.00767	.01289
#2	-.00105	7.1143	.00349	.03031	.14470	.00068	-.00103	39.513	.00788	.01288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00591**	**.03796**	**3.5843**	**5.4056**	**.03692**	**6.0388**	**.35827**	**.00087**	**5.1818**	**.03670**
Stddev	.00015	.00067	.0200	.0566	.00411	.0276	.00106	.00003	.0110	.00005
%RSD	2.5131	1.7665	.55786	1.0461	11.119	.45713	.29689	3.3297	.21205	.14416
#1	.00581	.03843	3.5702	5.4455	.03983	6.0583	.35902	.00089	5.1896	.03666
#2	.00602	.03749	3.5984	5.3656	.03402	6.0192	.35752	.00085	5.1741	.03674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5913**	**.01783**	**52.636**	**-.00076**	**.00313**	**8.9800**	**19.217**	**.00093**	**.15404**	**.00086**
Stddev	.0040	.00004	.166	.00187	.00052	.0230	.049	.00018	.00040	.00057
%RSD	.25456	.25151	.31480	247.19	16.588	.25628	.25628	19.330	.25887	66.576
#1	1.5942	.01786	52.753	.00056	.00276	8.9637	19.182	.00080	.15376	.00045
#2	1.5884	.01780	52.519	-.00207	.00349	8.9963	19.252	.00105	.15432	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08143**	**.00070**	**-.01307**	**.01020**	**4.8757**	**.00263**
Stddev	.00077	.00046	.00451	.00042	.0417	.00074
%RSD	.94022	65.433	34.526	4.1151	.85434	28.221
#1	.08197	.00102	-.01627	.01050	4.9052	.00316
#2	.08088	.00038	-.00988	.00990	4.8463	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8175.1**	**103310.**	**8636.3**
Stddev	18.4	550.	45.6
%RSD	.22497	.53284	.52851
#1	8188.1	102920.	8604.0
#2	8162.1	103700.	8668.6

Sample Name: 280-48651-b-7-c Acquired: 11/8/2013 16:54:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00494**	**.00124**	**.00257**	**.00033**	**.00006**	**.00023**	**.02735**	**.00013**	**.00010**
Stddev	.00015	.00023	.00103	.00032	.00032	.00001	.00084	.00215	.00020	.00011
%RSD	58.832	4.6370	83.297	12.291	97.014	21.153	358.97	7.8712	150.89	109.28
#1	-.00015	.00478	.00197	.00280	.00056	.00007	-.00036	.02887	-.00001	.00018
#2	-.00035	.00510	.00051	.00235	.00010	.00005	.00083	.02583	.00028	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00001**	**.00606**	**.02706**	**-.00140**	**.00518**	**.00020**	**.00011**	**.01715**	**.00035**
Stddev	.00015	.00000	.00316	.03049	.00016	.00066	.00000	.00028	.00103	.00006
%RSD	76.513	13.445	52.121	112.69	11.635	12.648	2.4521	259.42	5.9825	17.572
#1	.00009	-.00001	.00382	.00550	-.00128	.00564	.00020	-.00009	.01787	.00040
#2	.00030	-.00001	.00829	.04862	-.00151	.00472	.00020	.00031	.01642	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00036**	**.01561**	**-.00033**	**.00147**	**.02580**	**.05520**	**-.00006**	**.00010**	**.00073**
Stddev	.00099	.00032	.00076	.00104	.00400	.00214	.00458	.00053	.00010	.00085
%RSD	112.51	89.521	4.8456	319.62	272.05	8.3022	8.3022	838.50	104.90	116.31
#1	.00158	.00059	.01614	-.00106	-.00136	.02428	.05196	.00031	.00017	.00134
#2	.00018	.00013	.01507	.00041	.00430	.02731	.05844	-.00044	.00003	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00001**	**.05010**	**-.00032**	**.00417**	**-.00003**
Stddev	.00040	.00060	.02958	.00006	.00004	.00092
%RSD	340.54	8182.3	59.051	19.625	1.0478	2661.5
#1	.00040	-.00042	.02918	-.00027	.00421	-.00068
#2	-.00016	.00043	.07101	-.00036	.00414	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8208.1**	**105220.**	**8491.4**
Stddev	17.2	292.	4.9
%RSD	.20995	.27762	.05723
#1	8220.3	105430.	8488.0
#2	8195.9	105020.	8494.9

Sample Name: CCVH-2357613 Acquired: 11/8/2013 16:56:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**50.053**	**.00240**	**.00594**	**.00050**	**.00015**	**.98828**	**.01412**	**-.00015**	**-.00067**	**-.00009**	**.00693**	**49.081**
Stddev	.00001	.128	.00124	.00051	.00016	.00008	.00167	.00673	.00018	.00005	.00020	.00014	.059
%RSD	.40005	.25651	51.560	8.5966	32.261	52.129	.16870	47.688	122.11	7.5953	208.09	1.9483	.11968
#1	.00295	49.962	.00153	.00630	.00061	.00009	.98710	.01888	-.00002	-.00070	-.00023	.00702	49.123
#2	.00297	50.144	.00328	.00558	.00039	.00020	.98946	.00936	-.00028	-.00063	.00004	.00683	49.040
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02849**	**.00192**	**.07639**	**.00034**	**-.00002**	**250.39**	**.00014**	**.00102**	**.00127**	**4.9306**	**.00196**	**-.00449**	**.02498**
Stddev	.04209	.00046	.00677	.00010	.00033	.23	.00006	.00014	.00117	.0078	.00065	.00072	.00595
%RSD	147.73	23.901	8.8669	29.672	2126.7	.08999	45.706	13.558	92.793	.15878	33.157	16.024	23.813
#1	-.05825	.00225	.08118	.00041	-.00025	250.55	.00009	.00093	.00210	4.9251	.00150	-.00500	.02919
#2	.00127	.00160	.07160	.00027	.00022	250.23	.00018	.00112	.00044	4.9362	.00242	-.00398	.02078
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05346**	**-.00032**	**.00046**	**4.8374**	**-.00554**	**.00083**	**10.103**	**.00065**	**.00194**	**.01736**
Stddev	.01273	.00022	.00015	.0331	.00003	.00212	.115	.00016	.00007	.00486
%RSD	23.813	67.978	31.982	.68493	.56580	256.80	1.1390	24.753	3.6161	27.991
#1	.06246	-.00047	.00056	4.8608	-.00556	-.00067	10.184	.00076	.00199	.01392
#2	.04446	-.00017	.00035	4.8140	-.00552	.00233	10.021	.00053	.00189	.02079
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7876.9**	**97538.**	**8376.5**
Stddev	6.7	162.	27.5
%RSD	.08559	.16637	.32847
#1	7881.7	97423.	8395.9
#2	7872.2	97653.	8357.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:58:59 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49458**	**.51953**	**.98315**	**.49723**	**.50284**	**.49801**	**-.00003**	**5.0215**	**.49864**	**.50519**	**.49944**	**.50346**	**2.4524**
Stddev	.00075	.00458	.00087	.00234	.00087	.00150	.00215	.0085	.00103	.00030	.00020	.00211	.0000
%RSD	.15130	.88143	.08873	.47020	.17317	.30182	7775.9	.17013	.20646	.05841	.04093	.41906	.00169
#1	.49405	.52277	.98253	.49557	.50346	.49907	-.00154	5.0275	.49791	.50498	.49959	.50197	2.4525
#2	.49511	.51629	.98377	.49888	.50223	.49695	.00149	5.0154	.49936	.50540	.49930	.50495	2.4524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.435**	**.99716**	**19.673**	**.49921**	**.50165**	**5.1930**	**.50548**	**.98307**	**1.0202**	**.00083**	**1.0031**	**.97968**	**4.9077**
Stddev	.015	.00431	.062	.00158	.00047	.0002	.00066	.00024	.0015	.00450	.0028	.00081	.0049
%RSD	.02993	.43241	.31376	.31656	.09367	.00444	.13133	.02461	.14337	545.18	.28055	.08255	.10020
#1	50.445	1.0002	19.630	.49809	.50131	5.1931	.50501	.98324	1.0212	.00401	1.0051	.98025	4.9042
#2	50.424	.99411	19.717	.50033	.50198	5.1928	.50595	.98290	1.0192	-.00236	1.0012	.97910	4.9112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.502**	**1.0021**	**.50017**	**-.00429**	**.49991**	**1.0259**	**.01869**	**.50054**	**.49775**	**.49696**
Stddev	.011	.0029	.00049	.00074	.00166	.0010	.03262	.00189	.00272	.00084
%RSD	.10020	.29359	.09772	17.330	.33237	.09894	174.53	.37810	.54724	.16925
#1	10.495	1.0041	.50052	-.00377	.49874	1.0266	.04176	.49921	.49583	.49636
#2	10.510	.99999	.49983	-.00482	.50109	1.0252	-.00438	.50188	.49968	.49755
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.9**	**101440.**	**8472.7**
Stddev	6.1	670.	63.4
%RSD	.07578	.66075	.74875
#1	8068.2	101910.	8427.8
#2	8059.6	100960.	8517.6

Sample Name: CCB Acquired: 11/8/2013 17:01:07 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00272**	**-.00020**	**.00295**	**.00028**	**.00018**	**-.00039**	**.00366**	**.00015**	**-.00002**	**.00005**	**.00000**	**.00550**
Stddev	.00055	.00029	.00066	.00001	.00004	.00001	.00111	.00330	.00006	.00018	.00002	.00041	.00078
%RSD	254.49	10.600	322.25	.19790	12.707	7.6343	282.21	90.196	38.608	985.43	36.286	30084.	14.139
#1	.00017	.00292	-.00067	.00294	.00026	.00017	.00039	.00133	.00011	-.00015	.00003	.00029	.00495
#2	-.00061	.00251	.00026	.00295	.00031	.00019	-.00118	.00600	.00019	.00011	.00006	-.00029	.00605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03747**	**.00124**	**.00313**	**.00001**	**.00042**	**.04195**	**-.00001**	**-.00016**	**.00038**	**.00215**	F **.00818**	**.00142**	**.00243**
Stddev	.02683	.00044	.00016	.00007	.00019	.00865	.00033	.00194	.00042	.00008	.00037	.00028	.01486
%RSD	71.598	35.840	5.1074	827.72	44.257	20.615	2565.3	1185.2	112.21	3.8903	4.4618	19.504	611.10
#1	.05644	.00156	.00325	-.00004	.00029	.04806	-.00025	.00121	.00067	.00209	.00844	.00161	.01294
#2	.01850	.00093	.00302	.00006	.00056	.03583	.00022	-.00153	.00008	.00221	.00793	.00122	-.00807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.00012**	**.00005**	**.00032**	**.00041**	**.00010**	**.00219**	**.00019**	**.00362**	**.00050**
Stddev	.03180	.00009	.00002	.00109	.00002	.00025	.00605	.00062	.00002	.00090
%RSD	611.10	77.910	32.316	344.68	3.9858	259.52	275.65	320.30	.55005	181.19
#1	.02769	.00018	.00007	-.00045	.00040	.00027	.00647	.00063	.00361	-.00014
#2	-.01728	.00005	.00004	.00109	.00042	-.00008	-.00208	-.00025	.00364	.00113
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8010.7**	**102390.**	**8314.0**
Stddev	30.2	467.	15.9
%RSD	.37648	.45562	.19150
#1	7989.4	102720.	8325.2
#2	8032.1	102060.	8302.7

Sample Name: CCVL-2367586 Acquired: 11/8/2013 17:03:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00971**	**.10908**	**.01824**	**.09815**	**.01014**	**.00113**	**.12118**	**.21047**	**.00532**	**.01056**	**.01066**	**.01554**	**.10457**
Stddev	.00026	.00049	.00063	.00022	.00004	.00009	.00071	.00419	.00020	.00003	.00011	.00003	.00099
%RSD	2.7002	.45181	3.4466	.22853	.41885	7.6068	.58498	1.9924	3.6923	.32509	.98924	.17764	.95004
#1	.00953	.10943	.01869	.09799	.01011	.00107	.12168	.20751	.00546	.01058	.01059	.01553	.10527
#2	.00990	.10873	.01780	.09831	.01017	.00119	.12068	.21344	.00518	.01053	.01074	.01556	.10387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0738**	**.00839**	**.20841**	**.01040**	**.02004**	**1.0821**	**.04214**	**2.8621**	**.00991**	**.00483**	**.01201**	**.01668**	**.48903**
Stddev	.1045	.00019	.00069	.00016	.00032	.0119	.00030	.0053	.00149	.00023	.00103	.00027	.00251
%RSD	3.4008	2.2404	.32972	1.5033	1.5797	1.0960	.72351	.18606	15.053	4.8200	8.5677	1.6151	.51291
#1	3.1477	.00852	.20890	.01029	.01981	1.0905	.04193	2.8583	.01097	.00499	.01128	.01688	.48725
#2	2.9999	.00825	.20793	.01051	.02026	1.0737	.04236	2.8659	.00886	.00466	.01273	.01649	.49080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0465**	**.10274**	**.01029**	**.01362**	**.01032**	**.01626**	F **.08033**	**.01010**	F **.02628**	**.01739**
Stddev	.0054	.00095	.00002	.00011	.00050	.00218	.00527	.00033	.00011	.00006
%RSD	.51291	.92543	.20629	.81108	4.8879	13.437	6.5635	3.3115	.43735	.36840
#1	1.0427	.10206	.01028	.01370	.00996	.01471	.08406	.01034	.02620	.01735
#2	1.0503	.10341	.01031	.01355	.01068	.01780	.07661	.00987	.02636	.01744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.4**	**103580.**	**8454.6**
Stddev	1.1	50.	1.8
%RSD	.01375	.04805	.02071
#1	8140.2	103620.	8455.8
#2	8138.6	103550.	8453.4

Sample Name: 280-48662-e-4-a Acquired: 11/8/2013 17:05:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.02057**	**.00170**	**.50693**	**.01240**	**.00010**	**.00007**	**77.354**	**.00040**	**-.00047**
Stddev	.00028	.00008	.00227	.00094	.00021	.00005	.00277	.278	.00012	.00010
%RSD	407.75	.40950	133.49	.18506	1.6625	47.553	3813.9	.35923	29.737	21.038
#1	-.00026	.02051	.00331	.50760	.01225	.00013	.00203	77.157	.00049	-.00054
#2	.00013	.02063	.00010	.50627	.01255	.00007	-.00188	77.550	.00032	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00186**	**.01494**	**1.1826**	**.10555**	**15.703**	**.00603**	**.00520**	W **536.79**	**.00026**
Stddev	.00032	.00081	.00117	.0308	.00221	.077	.00007	.00022	2.43	.00034
%RSD	55.818	43.460	7.8422	2.6039	2.0929	.49185	1.1530	4.3133	.45219	128.71
#1	.00080	.00244	.01576	1.1608	.10711	15.649	.00598	.00504	535.08	.00050
#2	.00035	.00129	.01411	1.2044	.10399	15.758	.00608	.00536	538.51	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04072**	**.00012**	F **253.87**	**.00120**	**.01012**	**3.7027**	**7.9237**	**-.00026**	**4.7193**	**-.00159**
Stddev	.00046	.00186	.09	.00209	.00088	.0123	.0264	.00107	.0007	.00215
%RSD	1.1328	1553.4	.03381	175.15	8.7408	.33311	.33311	406.19	.01488	135.35
#1	.04105	-.00120	253.93	-.00029	.00949	3.7114	7.9424	-.00102	4.7188	-.00007
#2	.04039	.00144	253.81	.00268	.01075	3.6939	7.9050	.00049	4.7198	-.00310
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00042**	**.03216**	**.00720**	**.01611**	**.00194**
Stddev	.00010	.00043	.01407	.00049	.00060	.00099
%RSD	31.390	102.84	43.746	6.7492	3.7102	50.827
#1	.00025	.00072	.02221	.00685	.01653	.00124
#2	.00040	.00011	.04211	.00754	.01569	.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7484.0**	**92879.**	**8436.2**
Stddev	12.2	788.	102.0
%RSD	.16340	.84856	1.2093
#1	7492.7	93436.	8508.4
#2	7475.4	92322.	8364.1

Sample Name: 280-48662-e-4-aSD@5 Acquired: 11/8/2013 17:08:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.01270**	**.00442**	**.10498**	**.00255**	**.00009**	**-.00157**	**15.544**	**.00015**	**-.00013**
Stddev	.00015	.00035	.00152	.00087	.00010	.00002	.00389	.037	.00002	.00012
%RSD	435.26	2.7359	34.380	.82927	4.0782	26.334	247.97	.23877	15.805	96.580
#1	.00007	.01295	.00334	.10560	.00262	.00007	.00118	15.518	.00016	-.00004
#2	-.00014	.01245	.00549	.10437	.00247	.00011	-.00432	15.570	.00013	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00019**	**.02087**	**.33058**	**.02051**	**3.1914**	**.00140**	**.00127**	**107.49**	**.00025**
Stddev	.00001	.00005	.00159	.01912	.00020	.0102	.00001	.00028	.08	.00071
%RSD	8.0023	24.014	7.6134	5.7833	.96095	.31902	.98390	21.817	.07417	283.03
#1	.00017	.00022	.02199	.34409	.02065	3.1842	.00139	.00147	107.55	.00076
#2	.00019	.00016	.01975	.31706	.02037	3.1986	.00141	.00108	107.44	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00870**	**.00077**	**49.466**	**.00046**	**.00329**	**.74096**	**1.5857**	**.00153**	**.94658**	**-.00042**
Stddev	.00147	.00006	.072	.00156	.00561	.01503	.0322	.00006	.00187	.00141
%RSD	16.854	7.7063	.14629	338.15	170.41	2.0279	2.0279	3.7529	.19707	335.69
#1	.00766	.00081	49.517	-.00064	-.00068	.73034	1.5629	.00149	.94526	-.00142
#2	.00974	.00073	49.414	.00156	.00726	.75159	1.6084	.00157	.94790	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00160**	**.00019**	**.00155**	**.00939**	**-.00251**
Stddev	.00015	.00025	.01006	.00053	.00055	.00138
%RSD	63.790	15.864	5192.1	34.131	5.8509	55.004
#1	.00013	.00142	.00731	.00118	.00978	-.00154
#2	.00034	.00178	-.00692	.00193	.00900	-.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7781.2**	**97554.**	**8192.7**
Stddev	21.9	369.	50.8
%RSD	.28124	.37789	.62061
#1	7796.7	97815.	8228.7
#2	7765.7	97294.	8156.8

Sample Name: 280-48662-e-4-b ms Acquired: 11/8/2013 17:10:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05038**	**1.9446**	**1.0322**	**1.4629**	**2.0941**	**.05132**	F **2.2218**	**128.15**	**.10528**	**.49961**
Stddev	.00043	.0024	.0024	.0055	.0088	.00017	.0054	.45	.00023	.00063
%RSD	.84468	.12063	.23566	.37724	.42036	.33675	.24391	.34787	.21869	.12649
#1	.05008	1.9463	1.0339	1.4590	2.0878	.05119	2.2180	127.83	.10512	.50006
#2	.05068	1.9429	1.0304	1.4668	2.1003	.05144	2.2256	128.46	.10544	.49917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20358**	**.25873**	**1.0356**	**55.371**	**1.1447**	**64.899**	**.51566**	**1.0312**	W **592.15**	**.49962**
Stddev	.00009	.00029	.0062	.121	.0029	.015	.00104	.0005	3.16	.00130
%RSD	.04568	.11109	.59689	.21938	.25147	.02242	.20220	.05225	.53280	.25940
#1	.20365	.25852	1.0313	55.285	1.1427	64.888	.51493	1.0308	589.92	.49870
#2	.20351	.25893	1.0400	55.456	1.1468	64.909	.51640	1.0316	594.38	.50053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.600**	**.48032**	F **253.24**	**.49707**	**2.0026**	**14.073**	**30.117**	**1.9755**	W **5.7787**	**1.0434**
Stddev	.028	.00129	.32	.00223	.0079	.075	.160	.0056	.0109	.0064
%RSD	.26476	.26946	.12729	.44908	.39538	.53245	.53245	.28143	.18850	.61122
#1	10.580	.47941	253.01	.49549	1.9970	14.020	30.003	1.9715	5.7864	1.0389
#2	10.620	.48124	253.47	.49865	2.0082	14.126	30.230	1.9794	5.7710	1.0479
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0445**	**1.8087**	**2.2213**	**.53824**	**.53107**	**.52195**
Stddev	.0012	.0060	.0430	.00145	.00185	.00691
%RSD	.11261	.33195	1.9382	.26968	.34917	1.3233
#1	1.0436	1.8044	2.2518	.53721	.52976	.51706
#2	1.0453	1.8129	2.1909	.53926	.53238	.52683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7349.6**	**90924.**	**8091.2**
Stddev	20.3	206.	21.9
%RSD	.27581	.22687	.27049
#1	7335.2	91070.	8106.7
#2	7363.9	90778.	8075.7

Sample Name: 280-48662-e-4-c msd Acquired: 11/8/2013 17:12:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04905**	**1.9238**	**1.0247**	**1.4601**	**2.0588**	**.05050**	F **2.1952**	**127.13**	**.10449**	**.49446**
Stddev	.00002	.0008	.0060	.0003	.0000	.00033	.0051	.33	.00030	.00032
%RSD	.03506	.04035	.58819	.01999	.00155	.66020	.23107	.26082	.28989	.06510
#1	.04907	1.9233	1.0205	1.4599	2.0588	.05027	2.1988	126.90	.10428	.49469
#2	.04904	1.9244	1.0290	1.4603	2.0588	.05074	2.1917	127.37	.10470	.49424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20168**	**.25727**	**1.0016**	**54.691**	**1.1288**	**64.666**	**.51063**	**1.0256**	W **590.84**	**.49444**
Stddev	.00017	.00157	.0034	.206	.0008	.228	.00127	.0011	.20	.00025
%RSD	.08671	.61028	.33500	.37750	.07433	.35243	.24965	.10679	.03395	.04998
#1	.20180	.25838	.99918	54.545	1.1293	64.828	.51154	1.0263	590.98	.49461
#2	.20156	.25616	1.0039	54.837	1.1282	64.505	.50973	1.0248	590.70	.49426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.505**	**.47568**	F **254.05**	**.49671**	**1.9866**	**13.905**	**29.757**	**1.9691**	W **5.8068**	**1.0372**
Stddev	.006	.00021	.36	.00057	.0032	.174	.372	.0002	.0588	.0077
%RSD	.05704	.04437	.14118	.11431	.16313	1.2498	1.2498	.00881	1.0127	.73807
#1	10.509	.47583	254.31	.49711	1.9889	13.782	29.494	1.9693	5.7652	1.0426
#2	10.501	.47553	253.80	.49631	1.9843	14.028	30.020	1.9690	5.8484	1.0318
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0397**	**1.7948**	**2.1807**	**.53429**	**.52570**	**.51520**
Stddev	.0013	.0042	.0546	.00149	.00044	.00169
%RSD	.12112	.23502	2.5022	.27929	.08352	.32897
#1	1.0406	1.7978	2.2192	.53535	.52539	.51400
#2	1.0388	1.7918	2.1421	.53324	.52601	.51640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7323.5**	**90589.**	**8076.9**
Stddev	20.6	575.	42.3
%RSD	.28071	.63444	.52324
#1	7338.0	90182.	8047.0
#2	7309.0	90995.	8106.8

Sample Name: 280-48662-e-4-aPDS Acquired: 11/8/2013 17:15:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05087**	**.98909**	**.20636**	**.59298**	**.11425**	**.05085**	**-.00482**	**96.050**	**.05123**	**.04963**
Stddev	.00051	.00079	.00400	.00173	.00002	.00045	.00164	.144	.00013	.00044
%RSD	1.0069	.07962	1.9368	.29191	.01399	.89035	34.048	.14955	.24616	.88169
#1	.05051	.98853	.20919	.59176	.11426	.05053	-.00366	95.949	.05132	.04932
#2	.05124	.98965	.20354	.59421	.11424	.05117	-.00599	96.152	.05114	.04994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05079**	**.05340**	**.99963**	**22.798**	**.20427**	**34.890**	**.05697**	**.05709**	W **547.59**	**.05011**
Stddev	.00029	.00053	.00047	.081	.00152	.006	.00003	.00063	1.39	.00018
%RSD	.56114	1.0002	.04661	.35310	.74640	.01680	.04785	1.0951	.25442	.36637
#1	.05059	.05378	.99996	22.741	.20319	34.886	.05695	.05665	546.61	.04998
#2	.05100	.05303	.99930	22.855	.20534	34.894	.05699	.05754	548.58	.05024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1707**	**.09518**	F **247.69**	**.10022**	**.20452**	**8.7565**	**18.739**	**.09802**	**4.7065**	**.20835**
Stddev	.0030	.00047	.09	.00336	.00326	.0337	.072	.00038	.0067	.00093
%RSD	.13728	.49401	.03472	3.3549	1.5939	.38528	.38528	.39016	.14198	.44752
#1	2.1686	.09552	247.63	.09785	.20222	8.7327	18.688	.09775	4.7017	.20901
#2	2.1729	.09485	247.75	.10260	.20683	8.7804	18.790	.09830	4.7112	.20769
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05253**	**.18239**	**.56258**	**.06074**	**.22644**	**.05001**
Stddev	.00010	.00085	.02276	.00018	.00060	.00184
%RSD	.19016	.46706	4.0455	.29244	.26382	3.6845
#1	.05246	.18178	.57868	.06086	.22602	.04870
#2	.05261	.18299	.54649	.06061	.22687	.05131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7446.6**	**91013.**	**8094.6**
Stddev	2.3	173.	56.0
%RSD	.03055	.18993	.69194
#1	7448.2	91135.	8055.0
#2	7444.9	90890.	8134.2

Sample Name: 280-48662-e-4-a@5 Acquired: 11/8/2013 17:17:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.01683**	**.00204**	**.10776**	**.00333**	**.00005**	**.00156**	**15.711**	**.00004**	**-.00002**
Stddev	.00016	.00020	.00281	.00095	.00033	.00003	.00315	.135	.00008	.00026
%RSD	42.430	1.2020	137.48	.88566	9.8675	49.956	202.09	.86121	200.93	1077.8
#1	-.00026	.01668	.00402	.10844	.00356	.00004	-.00067	15.806	.00010	-.00021
#2	-.00048	.01697	.00006	.10709	.00309	.00007	.00379	15.615	-.00002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00072**	**.02287**	**.46658**	**.02138**	**3.2496**	**.00145**	**.00112**	**108.71**	**.00021**
Stddev	.00002	.00017	.00446	.03722	.00131	.0111	.00001	.00024	.37	.00022
%RSD	6.7182	23.306	19.488	7.9764	6.1182	.34182	.62911	21.247	.34315	104.43
#1	.00025	.00060	.01972	.49290	.02231	3.2575	.00145	.00095	108.98	.00036
#2	.00027	.00084	.02602	.44027	.02046	3.2418	.00144	.00128	108.45	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00777**	**.00006**	**49.830**	**-.00098**	**-.00187**	**.74908**	**1.6030**	**.00177**	**.95445**	**-.00013**
Stddev	.00152	.00058	.021	.00015	.00049	.01152	.0247	.00032	.00644	.00015
%RSD	19.562	995.81	.04156	15.211	26.187	1.5384	1.5384	18.296	.67516	113.58
#1	.00670	-.00035	49.816	-.00108	-.00152	.75723	1.6205	.00154	.95900	-.00024
#2	.00885	.00047	49.845	-.00087	-.00222	.74093	1.5856	.00200	.94989	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00098**	**-.00026**	**.00118**	**.00869**	**.00062**
Stddev	.00041	.00094	.02766	.00006	.00031	.00047
%RSD	277.30	95.204	10575.	5.3350	3.5684	75.316
#1	.00044	.00032	-.01982	.00114	.00891	.00029
#2	-.00014	.00165	.01929	.00123	.00847	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7741.5**	**96830.**	**8119.5**
Stddev	7.0	117.	57.5
%RSD	.09015	.12058	.70869
#1	7746.4	96747.	8078.8
#2	7736.5	96912.	8160.2

Sample Name: 48662-e-4-aSD@25 Acquired: 11/8/2013 17:19:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01997**	**.00106**	**.02440**	**.00089**	**.00011**	**.00144**	**3.1743**	**.00014**	**.00012**
Stddev	.00013	.00024	.00076	.00091	.00056	.00003	.00041	.0133	.00012	.00006
%RSD	33.397	1.2220	71.359	3.7145	62.976	27.408	28.124	.41790	86.601	51.289
#1	-.00030	.02014	.00053	.02504	.00049	.00013	.00173	3.1649	.00022	.00008
#2	-.00048	.01980	.00160	.02376	.00128	.00009	.00115	3.1836	.00005	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00009**	**.02350**	**.19767**	**.00295**	**.66375**	**.00047**	**.00045**	**22.049**	**.00014**
Stddev	.00012	.00004	.00084	.03231	.00097	.00104	.00004	.00009	.011	.00017
%RSD	47.439	44.203	3.5701	16.344	32.849	.15695	8.2804	20.373	.05083	124.93
#1	.00016	.00012	.02410	.17483	.00226	.66301	.00049	.00051	22.057	.00026
#2	.00033	.00006	.02291	.22051	.00363	.66448	.00044	.00038	22.041	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00107**	**9.7699**	**.00001**	**.00401**	**.14893**	**.31871**	**.00270**	**.18992**	**-.00038**
Stddev	.00033	.00074	.1072	.00168	.00007	.00009	.00018	.00002	.00020	.00100
%RSD	21.482	69.812	1.0977	12710.	1.7818	.05768	.05768	.66133	.10496	266.45
#1	.00129	.00159	9.8458	-.00117	.00406	.14887	.31858	.00269	.18978	-.00108
#2	.00175	.00054	9.6941	.00120	.00396	.14899	.31884	.00272	.19007	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00030**	**-.00820**	**.00011**	**.01343**	**-.00015**
Stddev	.00005	.00011	.05450	.00020	.00033	.00255
%RSD	26.098	36.522	664.36	189.75	2.4478	1661.7
#1	-.00023	.00022	.03033	-.00004	.01366	-.00196
#2	-.00016	.00038	-.04674	.00025	.01320	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7871.0**	**99418.**	**8136.7**
Stddev	8.5	266.	31.7
%RSD	.10771	.26785	.38992
#1	7865.0	99230.	8114.3
#2	7877.0	99606.	8159.1

Sample Name: 48662-e-4-b ms@5 Acquired: 11/8/2013 17:22:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.43621**	**.20039**	**.30118**	**.41412**	**.01029**	F **.45410**	**25.634**	**.02099**	**.10254**
Stddev	.00031	.00061	.00219	.00006	.00128	.00021	.00130	.176	.00016	.00028
%RSD	3.2401	.14034	1.0904	.02049	.30932	2.0733	.28556	.68772	.74538	.27005
#1	.00983	.43577	.20194	.30123	.41321	.01014	.45501	25.510	.02088	.10274
#2	.00939	.43664	.19885	.30114	.41502	.01044	.45318	25.759	.02110	.10235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04104**	**.05202**	**.22710**	**10.830**	**.22420**	**13.067**	**.10362**	**.20722**	**117.47**	**.10214**
Stddev	.00009	.00012	.00084	.143	.00268	.002	.00006	.00090	.61	.00079
%RSD	.22866	.22120	.37135	1.3202	1.1953	.01425	.05514	.43612	.51530	.77248
#1	.04111	.05194	.22650	10.729	.22231	13.068	.10366	.20786	117.04	.10270
#2	.04098	.05210	.22770	10.931	.22610	13.065	.10358	.20658	117.89	.10159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0660**	**.10077**	**49.173**	**.10117**	**.39192**	**2.7446**	**5.8735**	**.40587**	**1.1490**	**.20641**
Stddev	.0098	.00136	.046	.00068	.00124	.0160	.0342	.00297	.0050	.00235
%RSD	.47310	1.3477	.09423	.66945	.31633	.58267	.58267	.73138	.43622	1.1362
#1	2.0729	.10173	49.140	.10069	.39280	2.7333	5.8493	.40797	1.1455	.20806
#2	2.0591	.09981	49.206	.10165	.39104	2.7559	5.8977	.40377	1.1526	.20475
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20652**	**.39409**	**.42176**	**.10656**	**.11253**	**.10196**
Stddev	.00077	.00078	.00096	.00044	.00023	.00254
%RSD	.37505	.19691	.22734	.41325	.20139	2.4889
#1	.20597	.39463	.42244	.10625	.11269	.10017
#2	.20707	.39354	.42109	.10687	.11237	.10375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.6**	**96047.**	**8047.7**
Stddev	4.1	223.	16.6
%RSD	.05285	.23216	.20655
#1	7727.7	95889.	8059.4
#2	7733.5	96204.	8035.9

Sample Name: 48662-e-4-c msd@5 Acquired: 11/8/2013 17:24:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00895**	**.44291**	**.19655**	**.30282**	**.41025**	**.01028**	F **.45114**	**25.563**	**.02094**	**.10214**
Stddev	.00012	.00081	.00392	.00009	.00205	.00003	.00409	.087	.00010	.00018
%RSD	1.3246	.18220	1.9947	.02946	.50044	.29301	.90697	.34201	.45744	.17733
#1	.00886	.44348	.19378	.30289	.41170	.01030	.44824	25.625	.02087	.10227
#2	.00903	.44234	.19932	.30276	.40880	.01026	.45403	25.502	.02101	.10201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04086**	**.05255**	**.22352**	**10.585**	**.22463**	**13.009**	**.10374**	**.20654**	**117.82**	**.10155**
Stddev	.00015	.00011	.00231	.023	.00104	.021	.00038	.00040	.11	.00006
%RSD	.35947	.21516	1.0356	.22079	.46393	.16200	.36955	.19158	.09006	.05963
#1	.04076	.05263	.22516	10.602	.22536	12.994	.10347	.20682	117.74	.10159
#2	.04096	.05247	.22189	10.569	.22389	13.024	.10401	.20626	117.89	.10150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0592**	**.09949**	**49.526**	**.09780**	**.39032**	**2.7561**	**5.8982**	**.40463**	**1.1508**	**.20572**
Stddev	.0031	.00022	.009	.00028	.00236	.0120	.0258	.00012	.0039	.00011
%RSD	.15167	.22062	.01804	.29086	.60549	.43697	.43697	.02928	.33821	.05260
#1	2.0570	.09965	49.520	.09801	.38865	2.7476	5.8799	.40472	1.1535	.20565
#2	2.0614	.09934	49.532	.09760	.39199	2.7647	5.9164	.40455	1.1480	.20580
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20801**	**.39277**	**.46274**	**.10713**	**.11253**	**.10263**
Stddev	.00031	.00156	.00689	.00049	.00043	.00346
%RSD	.14769	.39605	1.4895	.45324	.38201	3.3688
#1	.20779	.39387	.46761	.10679	.11284	.10508
#2	.20822	.39167	.45786	.10747	.11223	.10019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7725.4**	**95534.**	**8125.0**
Stddev	4.8	376.	25.8
%RSD	.06272	.39332	.31706
#1	7728.9	95799.	8143.3
#2	7722.0	95268.	8106.8

Sample Name: 48662-e-4-aPDS@5 Acquired: 11/8/2013 17:26:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04941	1.0283	.20179	.20156	.10583	.05052	.00047	35.473	.05137	.05087
Stddev	.00097	.0009	.00092	.00097	.00038	.00012	.00081	.127	.00049	.00067
%RSD	1.9636	.08537	.45560	.48319	.35463	.24306	173.42	.35735	.96006	1.3262
#1	.05010	1.0289	.20114	.20225	.10609	.05061	.00104	35.563	.05172	.05135
#2	.04872	1.0276	.20244	.20087	.10556	.05043	-.00011	35.384	.05102	.05040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05138	.05183	1.1841	21.104	.12210	22.809	.05376	.05239	126.68	.05088
Stddev	.00038	.00019	.0136	.099	.00136	.104	.00025	.00060	.97	.00062
%RSD	.74896	.37131	1.1444	.46959	1.1132	.45553	.46922	1.1508	.76897	1.2144
#1	.05165	.05170	1.1745	21.174	.12114	22.882	.05394	.05282	127.37	.05131
#2	.05111	.05197	1.1937	21.033	.12306	22.735	.05358	.05197	125.99	.05044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0797	.10023	48.844	.10270	.19371	5.7079	12.215	.10420	.98166	.20696
Stddev	.0104	.00060	.039	.00222	.00348	.0553	.118	.00093	.00482	.00088
%RSD	.49886	.59441	.08020	2.1650	1.7958	.96831	.96831	.88903	.49121	.42316
#1	2.0871	.10065	48.872	.10113	.19617	5.6688	12.131	.10485	.98507	.20634
#2	2.0724	.09981	48.817	.10428	.19125	5.7469	12.298	.10354	.97825	.20758
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05403	.19791	.49233	.05410	.22257	.05251
Stddev	.00252	.00000	.02698	.00040	.00108	.00229
%RSD	4.6725	.00065	5.4808	.74049	.48641	4.3644
#1	.05582	.19791	.51141	.05438	.22334	.05089
#2	.05225	.19791	.47325	.05381	.22181	.05413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7636.1	95115.	8035.5
Stddev	14.5	630.	85.1
%RSD	.18962	.66245	1.0595
#1	7625.9	94670.	7975.3
#2	7646.3	95561.	8095.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 17:28:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**51.232**	**.00257**	**.00719**	**.00016**	**.00008**	**.98967**	**.01352**	**-.00007**	**-.00074**	**-.00012**	**.00693**	**49.502**
Stddev	.00005	.240	.00020	.00027	.00019	.00010	.00341	.00392	.00005	.00012	.00013	.00107	.009
%RSD	1.5512	.46812	7.8674	3.7394	118.24	125.83	.34460	28.979	63.944	16.429	109.74	15.367	.01859
#1	.00316	51.062	.00243	.00700	.00030	.00001	.98726	.01629	-.00010	-.00083	-.00021	.00618	49.495
#2	.00310	51.401	.00272	.00738	.00003	.00015	.99208	.01075	-.00004	-.00065	-.00003	.00768	49.508
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16140**	**-.00036**	**.08288**	**.00022**	**-.00039**	**255.17**	**-.00006**	**.00163**	**.00120**	**4.9860**	**.00392**	**.00170**	**.03588**
Stddev	.00315	.00322	.00153	.00008	.00001	.18	.00000	.00064	.00001	.0003	.00324	.00534	.00888
%RSD	1.9497	894.34	1.8438	37.498	1.3481	.07064	.98365	39.067	1.2322	.00537	82.598	313.21	24.758
#1	.15917	.00192	.08180	.00016	-.00038	255.05	-.00006	.00118	.00121	4.9861	.00163	.00548	.02960
#2	.16362	-.00264	.08396	.00028	-.00039	255.30	-.00006	.00209	.00119	4.9858	.00621	-.00207	.04217
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07679**	**-.00041**	**.00071**	**4.8180**	**-.00535**	**.00197**	**10.126**	**.00054**	**.00162**	**.01588**
Stddev	.01901	.00005	.00009	.0379	.00010	.00067	.019	.00015	.00048	.00086
%RSD	24.758	12.244	12.759	.78654	1.9068	33.844	.18681	28.349	29.385	5.4199
#1	.06335	-.00044	.00078	4.7912	-.00542	.00244	10.112	.00043	.00195	.01648
#2	.09023	-.00037	.00065	4.8448	-.00528	.00150	10.139	.00064	.00128	.01527
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7634.3**	**95674.**	**7925.3**
Stddev	4.7	322.	6.2
%RSD	.06197	.33628	.07783
#1	7637.6	95902.	7920.9
#2	7631.0	95447.	7929.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 17:31:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49556**	**.52116**	**.99074**	**.50133**	**.50784**	**.50337**	**.00061**	**5.0875**	**.50133**	**.50882**	**.50102**	**.50534**	**2.4894**
Stddev	.00129	.00154	.00323	.00081	.00037	.00057	.00172	.0046	.00032	.00118	.00017	.00206	.0053
%RSD	.26082	.29581	.32594	.16095	.07367	.11406	283.71	.09095	.06382	.23188	.03456	.40673	.21137
#1	.49464	.52225	.99302	.50190	.50811	.50378	.00183	5.0908	.50111	.50965	.50090	.50389	2.4856
#2	.49647	.52007	.98846	.50076	.50758	.50296	-.00061	5.0843	.50156	.50799	.50115	.50680	2.4931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.150**	**1.0089**	**19.786**	**.50319**	**.50328**	**5.4860**	**.50817**	**.98833**	**1.0288**	**.02086**	**1.0079**	**.98500**	**5.0603**
Stddev	.089	.0077	.023	.00001	.00233	.0032	.00025	.00408	.0060	.00097	.0027	.00026	.0089
%RSD	.17413	.76334	.11391	.00255	.46391	.05819	.04841	.41253	.57855	4.6671	.26899	.02599	.17632
#1	51.087	1.0143	19.770	.50318	.50493	5.4882	.50834	.99121	1.0330	.02017	1.0098	.98518	5.0666
#2	51.213	1.0034	19.802	.50320	.50163	5.4837	.50800	.98544	1.0246	.02155	1.0060	.98481	5.0539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.829**	**1.0041**	**.50493**	**-.00272**	**.50423**	**1.0325**	**-.04775**	**.50558**	**.50470**	**.50917**
Stddev	.019	.0080	.00021	.00010	.00110	.0053	.02179	.00102	.00228	.00225
%RSD	.17632	.79469	.04251	3.8127	.21823	.51572	45.624	.20134	.45115	.44204
#1	10.842	1.0098	.50508	-.00265	.50345	1.0362	-.03235	.50486	.50309	.50758
#2	10.815	.99847	.50478	-.00279	.50501	1.0287	-.06316	.50630	.50631	.51076
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7863.1**	**98705.**	**8064.1**
Stddev	14.9	500.	37.1
%RSD	.18893	.50672	.45998
#1	7852.6	99059.	8090.3
#2	7873.6	98352.	8037.9

Sample Name: CCB Acquired: 11/8/2013 17:33:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00424**	**.00204**	**.00272**	**.00017**	**.00017**	**.00076**	**.00366**	**.00022**	**-.00012**	**.00014**	**-.00028**
Stddev	.00011	.00192	.00127	.00018	.00011	.00000	.00070	.00024	.00004	.00004	.00015	.00021
%RSD	20.033	45.409	62.132	6.7772	68.258	2.3424	92.524	6.6854	19.711	31.603	110.65	74.248
#1	-.00046	.00560	.00294	.00259	.00009	.00017	.00125	.00349	.00019	-.00015	.00025	-.00013
#2	-.00062	.00288	.00114	.00285	.00025	.00016	.00026	.00383	.00025	-.00010	.00003	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00688**	**.10921**	**.00078**	**.00406**	**.00005**	**.00050**	W **.14024**	**-.00030**	**.00108**	**.00055**	**.02273**	F **.00814**
Stddev	.00001	.02192	.00050	.00017	.00015	.00017	.00837	.00014	.00070	.00012	.00002	.00102
%RSD	.10967	20.073	64.023	4.1079	316.10	34.719	5.9694	46.632	64.453	21.360	.09944	12.518
#1	.00687	.09371	.00043	.00418	-.00006	.00038	.14616	-.00040	.00158	.00047	.02274	.00742
#2	.00688	.12471	.00113	.00394	.00015	.00062	.13432	-.00020	.00059	.00063	.02271	.00886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**.00331**	**.00708**	**.00032**	**.00005**	**.00121**	**.00012**	**.00021**	**-.02946**	**.00003**	**.00354**	**.00111**
Stddev	.00049	.00261	.00559	.00019	.00014	.00078	.00012	.00061	.02319	.00044	.00019	.00005
%RSD	13.810	78.937	78.937	59.406	273.15	64.748	102.72	291.86	78.709	1267.0	5.5021	4.3050
#1	.00317	.00516	.01104	.00018	-.00005	.00176	.00020	.00064	-.01306	-.00028	.00368	.00108
#2	.00385	.00146	.00313	.00045	.00015	.00065	.00003	-.00022	-.04586	.00035	.00340	.00115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7807.2**	**99173.**	**7987.5**
Stddev	9.4	160.	39.1
%RSD	.12019	.16156	.48894
#1	7813.8	99059.	7959.9
#2	7800.6	99286.	8015.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 17:35:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.11020**	**.01569**	**.09892**	**.01085**	**.00114**	**.12090**	**.21523**	**.00531**	**.01042**	**.01049**	**.01557**	**.10452**	**3.1165**
Stddev	.00038	.00023	.00196	.00017	.00046	.00001	.00211	.00506	.00017	.00007	.00011	.00019	.00308	.0726
%RSD	3.9560	.21218	12.475	.17444	4.2323	.56598	1.7483	2.3527	3.2514	.65764	1.0124	1.1907	2.9490	2.3283
#1	.00989	.11037	.01431	.09880	.01117	.00113	.12239	.21881	.00543	.01037	.01057	.01544	.10670	3.0652
#2	.00936	.11004	.01707	.09904	.01052	.00114	.11940	.21165	.00519	.01047	.01042	.01570	.10235	3.1678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01135**	**.21181**	**.01060**	**.02034**	**1.1814**	**.04230**	**2.8779**	**.00921**	**.01282**	**.01174**	**.01312**	**.50116**	**1.0725**	**.10301**
Stddev	.00100	.00542	.00005	.00007	.0072	.00013	.0010	.00173	.00420	.00105	.00263	.00995	.0213	.00008
%RSD	8.7962	2.5585	.51848	.33210	.61103	.30461	.03405	18.805	32.762	8.9449	20.066	1.9847	1.9847	.08240
#1	.01205	.20798	.01064	.02039	1.1865	.04239	2.8786	.00799	.01579	.01248	.01498	.49412	1.0574	.10295
#2	.01064	.21564	.01056	.02029	1.1763	.04221	2.8772	.01044	.00985	.01099	.01126	.50819	1.0875	.10307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**.01498**	**.01027**	**.01615**	**.07516**	**.01012**	**.02495**	**.01856**
Stddev	.00009	.00037	.00008	.00085	.01899	.00022	.00009	.00080
%RSD	.84870	2.4434	.76874	5.2346	25.265	2.2205	.34434	4.3358
#1	.01035	.01473	.01032	.01675	.06173	.00996	.02489	.01913
#2	.01047	.01524	.01021	.01556	.08858	.01028	.02501	.01799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7914.6**	**100330.**	**8026.0**
Stddev	6.6	238.	81.6
%RSD	.08321	.23692	1.0168
#1	7910.0	100160.	8083.7
#2	7919.3	100490.	7968.2

Sample Name: 280-48662-e-5-a Acquired: 11/8/2013 17:37:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.02977**	**.00008**	**.51239**	**.01257**	**.00011**	**-.00205**	**77.796**	**.00040**	**-.00042**
Stddev	.00018	.00052	.00055	.00203	.00019	.00011	.00174	.141	.00001	.00014
%RSD	16.393	1.7318	680.01	.39643	1.5473	100.24	84.925	.18067	3.1140	33.888
#1	-.00120	.03013	-.00031	.51383	.01243	.00003	-.00082	77.696	.00041	-.00032
#2	-.00095	.02940	.00047	.51095	.01271	.00019	-.00329	77.895	.00039	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00216**	**.01919**	**1.2529**	**.10644**	**15.804**	**.00646**	**.00560**	W **541.41**	**.00027**
Stddev	.00016	.00001	.00127	.0002	.00352	.037	.00005	.00023	1.23	.00014
%RSD	25.672	.28325	6.6127	.01281	3.3077	.23331	.74350	4.0871	.22800	51.221
#1	.00052	.00216	.02008	1.2530	.10395	15.830	.00650	.00544	540.53	.00017
#2	.00074	.00216	.01829	1.2528	.10893	15.777	.00643	.00577	542.28	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04128**	**-.00060**	F **254.44**	**.00045**	**.00860**	**3.7289**	**7.9799**	**-.00040**	**4.7647**	**-.00133**
Stddev	.00007	.00083	.49	.00031	.00089	.0391	.0836	.00034	.0005	.00020
%RSD	.17343	137.30	.19302	69.828	10.360	1.0472	1.0472	85.759	.01074	14.731
#1	.04133	-.00002	254.79	.00023	.00797	3.7013	7.9208	-.00016	4.7644	-.00147
#2	.04123	-.00119	254.10	.00067	.00922	3.7565	8.0390	-.00064	4.7651	-.00119
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00097**	**.04011**	**.00726**	**.01578**	**.00193**
Stddev	.00023	.00028	.00632	.00001	.00011	.00102
%RSD	152.86	28.653	15.764	.14494	.71194	53.132
#1	.00031	.00077	.04459	.00725	.01570	.00265
#2	-.00001	.00116	.03564	.00726	.01586	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7401.7**	**91089.**	**8060.6**
Stddev	21.7	444.	16.4
%RSD	.29296	.48758	.20304
#1	7386.4	91403.	8072.2
#2	7417.1	90775.	8049.0

Sample Name: 280-48662-e-6-a Acquired: 11/8/2013 17:40:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.25101**	**.00076**	**1.3727**	**.01135**	**.00005**	**.00022**	**5.7628**	**.00014**	**-.00024**
Stddev	.00025	.00056	.00213	.0105	.00014	.00004	.00097	.0129	.00017	.00009
%RSD	65.840	.22198	281.98	.76633	1.2273	79.655	441.35	.22432	125.28	39.373
#1	-.00020	.25141	.00227	1.3801	.01125	.00002	.00091	5.7537	.00002	-.00031
#2	-.00056	.25062	-.00075	1.3652	.01145	.00008	-.00047	5.7720	.00026	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00211**	**.12616**	**.93422**	**.28865**	**.66968**	**.01446**	**.02211**	W **549.56**	**.00255**
Stddev	.00015	.00053	.00038	.08331	.00283	.00482	.00001	.00020	2.98	.00039
%RSD	18.030	25.090	.30356	8.9179	.98097	.71999	.09186	.89685	.54310	15.406
#1	.00072	.00248	.12589	.87531	.28664	.67309	.01445	.02225	547.45	.00283
#2	.00093	.00173	.12643	.99313	.29065	.66627	.01447	.02197	551.67	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01470**	**.00055**	F **205.75**	**.00033**	**-.00047**	**4.2339**	**9.0605**	**.00025**	**1.1050**	**-.00278**
Stddev	.00043	.00040	.06	.00058	.00032	.0292	.0625	.00038	.0050	.00175
%RSD	2.9107	73.013	.02972	174.85	68.317	.68991	.68991	154.05	.45626	62.900
#1	.01500	.00027	205.71	-.00008	-.00024	4.2132	9.0163	.00051	1.1014	-.00154
#2	.01439	.00084	205.79	.00074	-.00070	4.2545	9.1047	-.00002	1.1085	-.00401
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00559**	**.00082**	**.01959**	**.00500**	**.03358**	**.00056**
Stddev	.00031	.00070	.00548	.00072	.00019	.00023
%RSD	5.6123	85.875	27.999	14.395	.57816	41.264
#1	.00581	.00032	.02346	.00449	.03344	.00073
#2	.00536	.00131	.01571	.00551	.03371	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7489.6**	**92030.**	**8088.1**
Stddev	32.9	330.	.6
%RSD	.43931	.35833	.00704
#1	7466.3	91797.	8087.7
#2	7512.8	92263.	8088.5

Sample Name: 280-48662-e-7-a Acquired: 11/8/2013 17:42:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01622**	**.00075**	**1.6206**	**.02171**	**.00006**	**-.00048**	**10.277**	**.00027**	**-.00024**
Stddev	.00024	.00111	.00197	.0012	.00017	.00000	.00045	.016	.00025	.00005
%RSD	18.080	6.8736	264.55	.07338	.79465	6.6357	93.680	.15664	94.034	19.701
#1	-.00153	.01543	.00214	1.6198	.02183	.00006	-.00016	10.265	.00044	-.00020
#2	-.00118	.01700	-.00065	1.6214	.02158	.00006	-.00079	10.288	.00009	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00130**	**.10248**	**1.3416**	**.37428**	**1.3508**	**.08951**	**.01535**	W **715.24**	**-.00020**
Stddev	.00007	.00002	.00003	.0215	.00485	.0079	.00005	.00007	2.22	.00025
%RSD	14.845	1.7862	.03335	1.5998	1.2968	.58390	.05997	.43008	.31022	122.75
#1	.00040	.00132	.10251	1.3264	.37771	1.3564	.08948	.01540	713.67	-.00037
#2	.00049	.00129	.10246	1.3567	.37085	1.3452	.08955	.01530	716.81	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14190**	**.00037**	F **308.66**	**-.00048**	**-.00082**	**4.7354**	**10.134**	**-.00100**	**1.2410**	**-.00194**
Stddev	.00222	.00059	.38	.00058	.00139	.0054	.012	.00042	.0025	.00033
%RSD	1.5637	158.71	.12334	120.49	169.56	.11430	.11430	42.101	.20020	17.228
#1	.14347	.00079	308.93	-.00007	.00016	4.7316	10.126	-.00070	1.2393	-.00170
#2	.14033	-.00005	308.39	-.00090	-.00180	4.7392	10.142	-.00130	1.2428	-.00217
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00033**	**.04507**	**.00047**	**.00464**	**-.00025**
Stddev	.00032	.00075	.00220	.00034	.00044	.00229
%RSD	163.11	227.10	4.8854	73.839	9.4001	928.18
#1	-.00042	.00086	.04351	.00022	.00495	.00137
#2	.00003	-.00020	.04662	.00071	.00433	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7378.1**	**91065.**	**8040.7**
Stddev	7.6	53.	72.6
%RSD	.10233	.05869	.90292
#1	7383.4	91027.	8092.0
#2	7372.7	91102.	7989.4

Sample Name: 280-48662-e-8-a Acquired: 11/8/2013 17:45:11 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.36953**	**-.00192**	**1.7688**	**.01534**	**.00011**	**-.00259**	**6.3244**	**.00016**	**-.00040**
Stddev	.00020	.00121	.00020	.0004	.00002	.00004	.00284	.0133	.00001	.00053
%RSD	19.401	.32800	10.591	.01974	.12535	40.138	109.59	.20965	6.4186	130.18
#1	-.00115	.36868	-.00177	1.7686	.01533	.00014	-.00460	6.3338	.00016	-.00078
#2	-.00087	.37039	-.00206	1.7691	.01535	.00008	-.00058	6.3150	.00017	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00257**	**.16725**	**4.1908**	**.33265**	**.88392**	**.00612**	**.02561**	W **677.13**	**.00060**
Stddev	.00012	.00008	.00198	.0295	.00032	.00186	.00009	.00014	1.33	.00015
%RSD	11.557	3.1398	1.1818	.70307	.09549	.21008	1.4813	.56202	.19614	24.374
#1	.00116	.00251	.16865	4.1699	.33242	.88524	.00606	.02571	678.07	.00049
#2	.00099	.00262	.16586	4.2116	.33287	.88261	.00618	.02551	676.19	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02015**	**.00027**	F **328.84**	**.00141**	**.00109**	**17.102**	**36.599**	**.00147**	**2.2554**	**-.00121**
Stddev	.00062	.00112	.34	.00004	.00221	.018	.038	.00116	.0086	.00120
%RSD	3.0757	411.30	.10377	2.9529	202.32	.10255	.10255	79.298	.38053	99.668
#1	.02058	.00107	328.60	.00144	-.00047	17.115	36.626	.00064	2.2615	-.00206
#2	.01971	-.00052	329.08	.00138	.00266	17.090	36.573	.00229	2.2493	-.00036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00713**	**.00112**	**-.00388**	**.01492**	**.00672**	**.00101**
Stddev	.00029	.00068	.05140	.00029	.00015	.00026
%RSD	4.0359	60.847	1323.8	1.9140	2.2935	26.081
#1	.00733	.00160	.03246	.01512	.00682	.00120
#2	.00693	.00064	-.04023	.01472	.00661	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7448.4**	**91370.**	**8056.7**
Stddev	7.9	432.	7.4
%RSD	.10640	.47295	.09152
#1	7454.0	91064.	8061.9
#2	7442.8	91675.	8051.5

Sample Name: 280-48662-e-9-a Acquired: 11/8/2013 17:47:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.78360**	**.00094**	**1.6788**	**.00938**	**.00014**	**-.00066**	**10.175**	**.00010**	**-.00027**
Stddev	.00028	.00150	.00002	.0010	.00060	.00005	.00024	.020	.00022	.00008
%RSD	482.47	.19126	2.4656	.06153	6.3676	35.610	37.048	.20039	224.81	28.234
#1	-.00026	.78466	.00092	1.6781	.00895	.00010	-.00049	10.160	-.00006	-.00021
#2	.00014	.78254	.00095	1.6795	.00980	.00017	-.00083	10.189	.00025	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00182**	**.41627**	**1.5427**	**.38113**	**1.1972**	**.03735**	**.01826**	W **712.22**	**.00115**
Stddev	.00005	.00078	.00761	.0604	.00270	.0041	.00006	.00004	1.53	.00013
%RSD	5.7062	42.726	1.8274	3.9117	.70955	.34313	.15464	.22852	.21443	11.010
#1	.00083	.00127	.41089	1.5854	.37922	1.1943	.03739	.01823	711.14	.00106
#2	.00077	.00236	.42165	1.5000	.38304	1.2001	.03731	.01829	713.30	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01655**	**.00077**	F **304.49**	**.00004**	**.00191**	**5.4393**	**11.640**	**-.00038**	**3.7716**	**-.00049**
Stddev	.00055	.00033	.24	.00201	.00240	.0253	.054	.00006	.0120	.00055
%RSD	3.3284	43.157	.07958	5383.6	125.51	.46413	.46413	16.426	.31751	113.05
#1	.01616	.00053	304.32	.00146	.00021	5.4215	11.602	-.00043	3.7631	-.00088
#2	.01694	.00100	304.66	-.00138	.00360	5.4572	11.678	-.00034	3.7800	-.00010
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00642**	**-.00008**	**.02815**	**.00421**	**.00699**	**.00153**
Stddev	.00019	.00103	.00247	.00060	.00037	.00153
%RSD	3.0099	1333.4	8.7766	14.122	5.2349	99.798
#1	.00629	.00065	.02989	.00463	.00673	.00045
#2	.00656	-.00081	.02640	.00379	.00725	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7447.5**	**91458.**	**8038.0**
Stddev	3.8	405.	9.8
%RSD	.05142	.44336	.12204
#1	7444.8	91171.	8031.1
#2	7450.2	91745.	8045.0

Sample Name: 280-48662-e-11-a Acquired: 11/8/2013 17:50:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**1.5671**	**.00047**	**1.3641**	**.03034**	**.00015**	**.00043**	**4.3617**	**.00015**	**.00028**
Stddev	.00050	.0043	.00134	.0010	.00023	.00003	.00458	.0014	.00030	.00007
%RSD	85.148	.27494	286.76	.07578	.74315	22.788	1067.6	.03147	195.62	26.045
#1	.00094	1.5641	.00141	1.3634	.03050	.00017	.00367	4.3607	-.00006	.00033
#2	.00023	1.5702	-.00048	1.3648	.03018	.00012	-.00281	4.3627	.00037	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.00732**	**.70098**	**1.3786**	**.24885**	**.82833**	**.01874**	**.01054**	**459.55**	**.00524**
Stddev	.00006	.00010	.00427	.0888	.00063	.00066	.00009	.00000	1.98	.00032
%RSD	2.2592	1.3825	.60977	6.4399	.25269	.07942	.47862	.00160	.42989	6.1059
#1	.00272	.00725	.70400	1.3158	.24840	.82880	.01867	.01054	460.95	.00502
#2	.00281	.00739	.69796	1.4413	.24929	.82787	.01880	.01054	458.15	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02722**	**.00046**	**116.53**	**-.00028**	**.00243**	**6.8598**	**14.680**	**-.00020**	**1.6434**	**-.00010**
Stddev	.00037	.00027	.48	.00321	.00065	.0540	.116	.00024	.0026	.00112
%RSD	1.3455	58.733	.41545	1153.2	26.713	.78718	.78718	118.55	.15817	1169.0
#1	.02696	.00065	116.19	.00199	.00289	6.8216	14.598	-.00037	1.6452	.00070
#2	.02748	.00027	116.87	-.00255	.00197	6.8980	14.762	-.00003	1.6415	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02163**	**.00012**	**.04749**	**.00962**	**.01733**	**.00206**
Stddev	.00050	.00039	.02819	.00044	.00007	.00120
%RSD	2.3006	337.54	59.360	4.5977	.39148	58.025
#1	.02128	.00040	.02756	.00931	.01737	.00122
#2	.02198	-.00016	.06743	.00993	.01728	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7589.0**	**93207.**	**8101.4**
Stddev	9.9	528.	12.1
%RSD	.13041	.56698	.14995
#1	7596.0	92833.	8110.0
#2	7582.0	93581.	8092.8

Sample Name: 280-48662-e-12-a Acquired: 11/8/2013 17:52:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**146.57**	**.03677**	**1.0871**	**3.5496**	**.01080**	**-.04106**	**348.98**	**.00183**	**.06503**
Stddev	.00012	.12	.00093	.0025	.0047	.00009	.00130	4.52	.00012	.00062
%RSD	6.2652	.08286	2.5156	.23142	.13264	.81504	3.1584	1.2942	6.7608	.95554
#1	-.00176	146.65	.03743	1.0889	3.5463	.01086	-.04197	352.17	.00174	.06547
#2	-.00192	146.48	.03612	1.0853	3.5529	.01074	-.04014	345.78	.00192	.06459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11363**	**.09154**	**110.05**	**20.158**	**.24002**	**56.102**	**4.9049**	**.00586**	W **569.52**	**.15525**
Stddev	.00036	.00015	1.11	.079	.00148	.310	.0394	.00019	.78	.00083
%RSD	.32085	.16650	1.0110	.39070	.61776	.55237	.80415	3.1943	.13652	.53500
#1	.11389	.09165	109.27	20.103	.24107	55.883	4.8770	.00599	568.97	.15583
#2	.11337	.09144	110.84	20.214	.23897	56.321	4.9328	.00573	570.07	.15466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3897**	**.09176**	**135.98**	**-.00171**	**.01872**	W **84.367**	**180.55**	**.00721**	**2.6856**	**.07614**
Stddev	.0243	.00116	.08	.00079	.00013	.251	.54	.00000	.0032	.00016
%RSD	.55428	1.2661	.05807	45.900	.69407	.29776	.29776	.00085	.12025	.21600
#1	4.4069	.09258	135.92	-.00116	.01863	84.545	180.93	.00721	2.6833	.07626
#2	4.3725	.09094	136.03	-.00227	.01881	84.190	180.17	.00721	2.6879	.07602
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26292**	**-.00137**	F **-.20717**	**.19845**	**.38216**	**.01172**
Stddev	.00029	.00107	.00604	.00067	.00064	.00000
%RSD	.10887	78.542	2.9138	.33876	.16779	.04037
#1	.26272	-.00213	-.20290	.19797	.38171	.01172
#2	.26313	-.00061	-.21144	.19892	.38262	.01171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8289.1**	**100580.**	**9155.0**
Stddev	10.4	715.	1.4
%RSD	.12511	.71126	.01560
#1	8281.8	101080.	9156.0
#2	8296.5	100070.	9153.9

Sample Name: 280-48769-a-2-b@10 Acquired: 11/8/2013 17:54:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00803**	**1.9300**	k **.00646**	**.07108**	k **.02059**	k **.00020**	k **.00167**	**5.6526**	k **.00150**	k **.00000**
Stddev	.00016	.0140	.00030	.00063	.00003	.00007	.00130	.0159	.00010	.0001
%RSD	1.9906	.72759	4.6303	.88105	.15314	35.865	77.463	.28095	6.5474	7275.7
#1	k .00814	1.9200	k .00667	.07153	k .02061	k .00015	k .00259	5.6638	k .00143	k -.00004
#2	k .00792	1.9399	k .00625	.07064	k .02057	k .00025	k .00076	5.6413	k .00157	k .00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01046**	k **.01172**	**2.2985**	W **135.13**	k **.00049**	k **1.3569**	^ *****	k **-.00667**	**188.36**	k **.00626**
Stddev	.00011	.00011	.0058	.56	.00191	.0129	-----	.00025	.18	.00003
%RSD	1.0950	.90508	.25378	.41367	393.39	.94745	-----	3.6821	.09294	.55096
#1	k .01038	k .01179	2.2944	135.52	k .00184	k 1.3660	^ -----	k -.00650	188.48	k .00629
#2	k .01054	k .01164	2.3026	134.73	k -.00087	k 1.3478	^ -----	k -.00685	188.23	k .00624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.19439**	k **.04542**	kF **407.90**	k **.00390**	k **.11018**	**2.6139**	**5.5938**	F **299.38**	**.03382**	kW **-.01503**
Stddev	.00150	.00167	.32	.00133	.00680	.0050	.0107	.57	.00001	.00143
%RSD	.77361	3.6837	.07854	34.085	6.1714	.19072	.19072	.19043	.03727	9.5144
#1	k .19545	k .04660	k 408.13	k .00484	k .11498	2.6174	5.6013	298.98	.03383	k -.01402
#2	k .19332	k .04424	k 407.68	k .00296	k .10537	2.6104	5.5862	299.79	.03382	k -.01604
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn
High Limit			200.00					20.000		45.000
Low Limit			-.20000					-.10000		-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.08512**	k **.15553**	kF **-1.4978**	kF **-.05802**	k **.09761**	k **.01673**
Stddev	.00074	.00022	.0636	.00094	.00147	.00070
%RSD	.86754	.13935	4.2494	1.6117	1.5101	4.2034
#1	k .08564	k .15538	k -1.5428	k -.05868	k .09865	k .01624
#2	k .08460	k .15568	k -1.4528	k -.05735	k .09657	k .01723
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000	50.000		
Low Limit			-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7716.2**	**94689.**	**8156.7**
Stddev	19.6	700.	74.7
%RSD	.25419	.73944	.91638
#1	7730.0	94194.	8103.8
#2	7702.3	95184.	8209.5

Sample Name: 280-48769-a-2-b@20 Acquired: 11/8/2013 17:57:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01818**	**.00218**	**.00596**	**.00060**	**.00007**	**.00090**	**.05969**	**.00021**	**-.00009**
Stddev	.00049	.00053	.00065	.00029	.00029	.00002	.00274	.00010	.00004	.00025
%RSD	300.16	2.9227	29.761	4.9114	48.220	31.637	305.02	.16863	16.939	269.68
#1	.00018	.01855	.00264	.00575	.00040	.00005	-.00104	.05977	.00018	-.00027
#2	-.00051	.01780	.00172	.00617	.00080	.00008	.00284	.05962	.00023	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00000**	**.02855**	**.19298**	**-.00140**	**.00522**	**.01496**	**.00006**	**.43650**	**.00007**
Stddev	.00003	.0003	.00074	.02037	.00050	.00174	.00056	.00001	.00402	.00019
%RSD	17.253	9267.8	2.6069	10.555	35.643	33.270	3.7223	17.116	.92000	265.67
#1	.00013	-.00020	.02803	.20738	-.00105	.00645	.01536	.00007	.43934	-.00006
#2	.00017	.00019	.02908	.17858	-.00175	.00399	.01457	.00005	.43366	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00198**	**.14788**	**.00019**	**-.00214**	**.03593**	**.07690**	**.07879**	**.00027**	**.00115**
Stddev	.00183	.00099	.00895	.00037	.00018	.01481	.03170	.00004	.00009	.00389
%RSD	455.16	49.816	6.0521	188.27	8.5043	41.218	41.218	.05278	31.560	338.77
#1	-.00089	.00128	.15421	-.00006	-.00201	.02546	.05448	.07876	.00033	.00390
#2	.00169	.00268	.14156	.00045	-.00227	.04641	.09931	.07881	.00021	-.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00007**	**.02224**	**-.00051**	**.00851**	**.00021**
Stddev	.00012	.00042	.03707	.00022	.00073	.00004
%RSD	450.60	594.32	166.70	43.055	8.5365	16.863
#1	-.00006	.00037	-.00397	-.00036	.00903	.00019
#2	.00011	-.00023	.04845	-.00067	.00800	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7882.2**	**100900.**	**8059.1**
Stddev	.4	19.	36.8
%RSD	.00521	.01871	.45646
#1	7882.4	100880.	8085.1
#2	7881.9	100910.	8033.1

Sample Name: 280-48769-a-2-b@50 Acquired: 11/8/2013 17:59:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.44006**	**.00180**	**.01717**	**.00458**	**.00017**	**-.00127**	**1.1450**	**.00024**	**-.00022**
Stddev	.00027	.00013	.00340	.00002	.00022	.00005	.00519	.0101	.00010	.00012
%RSD	307.22	.02952	189.21	.09414	4.7811	29.691	407.83	.87785	40.636	55.947
#1	-.00010	.44015	.00420	.01718	.00474	.00013	-.00494	1.1521	.00017	-.00013
#2	.00028	.43997	-.00061	.01716	.00443	.00020	.00240	1.1379	.00031	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**.00194**	**.48917**	**26.874**	**-.00135**	**.31772**	F **28.678**	**-.00116**	**37.976**	**.00116**
Stddev	.00013	.00015	.00853	.101	.00128	.00670	.424	.00006	.392	.00003
%RSD	5.8454	7.6181	1.7432	.37497	94.939	2.1103	1.4797	5.1390	1.0331	2.9930
#1	.00219	.00204	.49520	26.945	-.00044	.32246	28.978	-.00111	38.254	.00113
#2	.00238	.00184	.48314	26.802	-.00226	.31298	28.378	-.00120	37.699	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03801**	**.00968**	**82.803**	**-.00251**	**.00520**	**.51224**	**1.0962**	F **71.325**	**.00664**	**.00457**
Stddev	.00344	.00036	.171	.00193	.00263	.00561	.0120	.031	.00011	.00054
%RSD	9.0624	3.7474	.20684	76.823	50.633	1.0949	1.0949	.04384	1.6230	11.811
#1	.04044	.00994	82.682	-.00387	.00334	.50827	1.0877	71.303	.00672	.00496
#2	.03557	.00942	82.924	-.00115	.00706	.51620	1.1047	71.347	.00657	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								20.000		
Low Limit								-.10000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01643**	**-.00247**	F **-.32384**	**.00253**	**.02578**	**.00179**
Stddev	.00010	.00058	.03858	.00034	.00043	.00138
%RSD	.61040	23.490	11.914	13.562	1.6503	76.969
#1	.01650	-.00288	-.35113	.00229	.02608	.00082
#2	.01636	-.00206	-.29656	.00277	.02548	.00277
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7950.1**	**100160.**	**8155.1**
Stddev	3.2	164.	189.4
%RSD	.04066	.16394	2.3225
#1	7947.8	100040.	8021.2
#2	7952.4	100270.	8289.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:01:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00368**	**50.712**	**.00434**	**.00796**	**.00015**	**.00009**	**.99408**	**.00997**	**.00008**	**-.00065**	**-.00021**	**.00729**	**49.430**
Stddev	.00069	.100	.00197	.00027	.00021	.00000	.00222	.00120	.00025	.00047	.00011	.00052	.520
%RSD	18.808	.19626	45.494	3.4227	144.15	4.1615	.22339	12.051	326.25	71.540	49.994	7.1602	1.0525
#1	.00417	50.782	.00294	.00777	.00000	.00008	.99565	.01082	-.00010	-.00098	-.00029	.00692	49.798
#2	.00319	50.641	.00573	.00816	.00030	.00009	.99251	.00912	.00025	-.00032	-.00014	.00766	49.062
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14602**	**.00162**	**.07961**	**.00719**	**-.00063**	**254.77**	**-.00002**	**.00062**	**.00164**	**5.0313**	**.00141**	**-.00124**	**.03702**
Stddev	.02772	.00363	.00340	.00066	.00010	.71	.00020	.00086	.00033	.0034	.00020	.00166	.02359
%RSD	18.984	224.10	4.2707	9.1870	15.972	.27908	951.78	138.45	19.920	.06690	14.428	133.76	63.716
#1	.16562	-.00095	.07720	.00765	-.00056	255.28	.00012	.00001	.00187	5.0337	.00155	-.00241	.02034
#2	.12642	.00419	.08201	.00672	-.00070	254.27	-.00016	.00123	.00141	5.0289	.00127	-.00007	.05370
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07922**	**.03728**	**.00039**	**4.8556**	**-.00525**	**-.00008**	**10.209**	**.00052**	**.00207**	**.01530**
Stddev	.05047	.00121	.00002	.0106	.00019	.00058	.010	.00048	.00021	.00124
%RSD	63.716	3.2398	5.3239	.21820	3.5664	747.28	.09628	92.990	10.251	8.1040
#1	.04353	.03813	.00037	4.8631	-.00538	-.00049	10.216	.00085	.00222	.01618
#2	.11491	.03643	.00040	4.8481	-.00511	.00033	10.202	.00018	.00192	.01442
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7768.5**	**96704.**	**8183.9**
Stddev	36.8	153.	23.7
%RSD	.47331	.15831	.28960
#1	7742.5	96812.	8200.7
#2	7794.5	96595.	8167.1

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:04:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49665**	**.52009**	**.99599**	**.50726**	**.50477**	**.50119**	**.00339**	**5.0542**	**.50361**	**.50874**	**.50206**	**.50666**
Stddev	.00139	.00199	.00014	.00205	.00127	.00054	.00194	.0070	.00073	.00018	.00008	.00020
%RSD	.27992	.38237	.01455	.40479	.25247	.10781	57.219	.13864	.14527	.03463	.01590	.03963
#1	.49763	.52150	.99609	.50872	.50387	.50081	.00202	5.0493	.50309	.50862	.50200	.50680
#2	.49566	.51869	.99589	.50581	.50567	.50157	.00476	5.0592	.50412	.50887	.50212	.50652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4690**	**50.893**	**1.0020**	**19.793**	**.50465**	**.50568**	W **5.5012**	**.50996**	**.99618**	**1.0306**	**.06117**	**1.0192**
Stddev	.0024	.065	.0005	.017	.00189	.00128	.0037	.00380	.00265	.0014	.01001	.0052
%RSD	.09709	.12828	.05227	.08440	.37505	.25224	.06675	.74566	.26563	.13634	16.366	.50981
#1	2.4673	50.847	1.0016	19.805	.50599	.50659	5.4986	.51265	.99805	1.0296	.06825	1.0156
#2	2.4707	50.939	1.0023	19.781	.50331	.50478	5.5038	.50727	.99431	1.0316	.05409	1.0229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99983**	**5.0207**	**10.744**	**1.0216**	**.50161**	**-.00254**	**.50465**	**1.0360**	**.02054**	**.50674**	**.50295**	**.50379**
Stddev	.00000	.0053	.011	.0013	.00087	.00222	.00097	.0013	.00319	.00113	.00028	.00085
%RSD	.00010	.10557	.10557	.12587	.17305	87.383	.19216	.12685	15.527	.22358	.05496	.16893
#1	.99982	5.0244	10.752	1.0225	.50100	-.00411	.50533	1.0351	.02279	.50754	.50315	.50440
#2	.99983	5.0169	10.736	1.0207	.50223	-.00097	.50396	1.0370	.01828	.50593	.50276	.50319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8021.2**	**101210.**	**8338.3**
Stddev	35.6	299.	20.6
%RSD	.44430	.29561	.24754
#1	7996.0	101000.	8352.9
#2	8046.4	101430.	8323.7

Sample Name: CCB Acquired: 11/8/2013 18:06:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00571**	**.00251**	**.00400**	**.00021**	**.00016**	**-.00014**	**.00475**	**.00027**	**.00010**	**.00011**	**-.00047**
Stddev	.00046	.00416	.00183	.00033	.00019	.00003	.00100	.00050	.00008	.00003	.00007	.00002
%RSD	2950.1	72.897	72.742	8.3238	91.933	16.192	704.47	10.473	30.390	31.583	65.634	4.3845
#1	-.00031	.00277	.00122	.00424	.00035	.00014	.00056	.00440	.00021	.00008	.00006	-.00048
#2	.00034	.00865	.00380	.00377	.00007	.00017	-.00085	.00510	.00033	.00012	.00015	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00833**	**.11578**	W **.00310**	**.00276**	F **.00143**	**.00063**	F **.24719**	**-.00008**	**.00017**	**.00033**	**.05914**	F **.00792**
Stddev	.00066	.03548	.00216	.00073	.00003	.00015	.01511	.00015	.00131	.00018	.00777	.00069
%RSD	7.9496	30.649	69.760	26.546	1.8044	24.427	6.1135	186.52	786.50	53.844	13.138	8.7182
#1	.00880	.09069	.00157	.00224	.00141	.00074	.25787	.00003	.00110	.00020	.05365	.00743
#2	.00786	.14087	.00462	.00327	.00145	.00052	.23650	-.00019	-.00076	.00045	.06464	.00840
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261		.00050		.18320					.00628
Low Limit			-.00261		-.00050		-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00096**	**.00204**	F **.01944**	**.00008**	**.00211**	**.00025**	**.00062**	**-.00284**	**-.00053**	**.00353**	**.00098**
Stddev	.00074	.00776	.01661	.00550	.00000	.00019	.00028	.00012	.02296	.00014	.00075	.00228
%RSD	29.142	812.83	812.83	28.307	4.2845	9.1484	113.01	19.419	808.45	26.066	21.268	232.18
#1	.00306	-.00453	-.00970	.01555	.00008	.00225	.00044	.00071	.01340	-.00062	.00300	.00260
#2	.00201	.00644	.01379	.02333	.00009	.00197	.00005	.00054	-.01908	-.00043	.00406	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01166								
Low Limit				-.01166								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7930.1**	**100790.**	**8184.5**
Stddev	41.6	77.	35.2
%RSD	.52516	.07630	.43023
#1	7959.6	100840.	8209.4
#2	7900.7	100730.	8159.6

Sample Name: CCVL-2367586 Acquired: 11/8/2013 18:08:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.11063**	**.01425**	**.09991**	**.01026**	**.00114**	**.12258**	**.21756**	**.00529**	**.01066**	**.01037**	**.01591**	**.10487**
Stddev	.00068	.00040	.00192	.00015	.00016	.00002	.00009	.00142	.00003	.00006	.00013	.00000	.00047
%RSD	6.6707	.36422	13.500	.14683	1.5336	1.6660	.07131	.65283	.61700	.59174	1.2353	.01241	.45271
#1	.01067	.11035	.01562	.09981	.01015	.00113	.12264	.21656	.00532	.01061	.01046	.01591	.10521
#2	.00971	.11092	.01289	.10001	.01037	.00115	.12252	.21857	.00527	.01070	.01028	.01591	.10454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1785**	**.00885**	**.21106**	**.01142**	**.02007**	**1.2598**	**.04256**	**2.8793**	**.01032**	**.03891**	**.01208**	**.01380**	**.51139**
Stddev	.0067	.00292	.00171	.00009	.00020	.0017	.00043	.0033	.00018	.00195	.00032	.00275	.01763
%RSD	.21233	32.970	.80791	.79195	1.0125	.13718	1.0166	.11562	1.7642	5.0011	2.6687	19.940	3.4471
#1	3.1737	.00679	.20986	.01136	.01993	1.2610	.04287	2.8769	.01019	.04028	.01185	.01185	.49892
#2	3.1833	.01092	.21227	.01149	.02021	1.2585	.04225	2.8816	.01045	.03753	.01231	.01574	.52385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0944**	**.11591**	**.01044**	**.01593**	**.01003**	**.01659**	F **.08023**	**.01005**	**.02497**	**.01693**
Stddev	.0377	.00087	.00008	.00079	.00031	.00076	.02817	.00048	.00018	.00092
%RSD	3.4471	.74783	.77277	4.9639	3.0516	4.5846	35.112	4.7875	.71545	5.4488
#1	1.0677	.11652	.01039	.01537	.01025	.01605	.06031	.01039	.02484	.01628
#2	1.1210	.11530	.01050	.01649	.00982	.01712	.10015	.00971	.02509	.01758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8054.7**	**102530.**	**8300.3**
Stddev	1.0	264.	1.7
%RSD	.01251	.25712	.02083
#1	8054.0	102720.	8301.5
#2	8055.5	102340.	8299.0

Sample Name: mb 280-199525/1-b Acquired: 11/8/2013 18:11:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00080	.00364	.00221	.00306	.00013	.00017	.00083	.00691	-.00003	-.00019
Stddev	.00005	.00017	.00094	.00001	.00009	.00009	.00027	.00329	.00002	.00005
%RSD	5.9305	4.7718	42.516	.27175	67.158	54.625	32.322	47.673	49.588	24.098
#1	-.00083	.00377	.00288	.00306	.00007	.00010	.00064	.00458	-.00002	-.00016
#2	-.00076	.00352	.00155	.00305	.00020	.00023	.00102	.00924	-.00004	-.00022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00002	.01490	.07159	-.00140	.00211	W .00107	.00041	W .19172	.00010
Stddev	.00010	.00020	.00046	.00484	.00256	.00209	.00001	.00008	.00546	.00009
%RSD	522.19	980.08	3.1174	6.7594	183.09	99.127	1.2417	18.298	2.8498	88.043
#1	-.00005	.00012	.01523	.06817	.00041	.00063	.00108	.00036	.19558	.00004
#2	.00009	-.00016	.01457	.07501	-.00321	.00359	.00107	.00047	.18785	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00019	F .03402	.00036	.00021	F .02418	.05175	W .00745	.00003	W .00178
Stddev	.00056	.00033	.00018	.00270	.00038	.01939	.04150	.00018	.00010	.00190
%RSD	257.49	173.75	.54238	740.61	178.90	80.191	80.191	2.3909	333.83	106.74
#1	.00061	.00042	.03389	-.00155	.00048	.01047	.02240	.00732	.00010	.00044
#2	-.00018	-.00004	.03415	.00228	-.00006	.03789	.08109	.00757	-.00004	.00312
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Warn	Chk Pass	Chk Warn
High Limit			.01000			.01000		.00305		.00000
Low Limit			-.01000			-.01000		-.05000		-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00025	-.00150	-.00087	W .00382	-.00019
Stddev	.00005	.00059	.01311	.00014	.00034	.00108
%RSD	73.366	239.03	874.21	16.380	8.9918	580.25
#1	.00010	-.00017	.00777	-.00077	.00358	.00058
#2	.00003	.00066	-.01077	-.00097	.00407	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8104.8	103760.	8425.7
Stddev	7.4	642.	8.2
%RSD	.09192	.61907	.09786
#1	8099.5	103300.	8419.8
#2	8110.1	104210.	8431.5

Sample Name: lcs 280-199525/2-b Acquired: 11/8/2013 18:13:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04872**	**1.9462**	**.99105**	**1.0022**	**2.0423**	**.05027**	**2.2695**	**49.747**	**.10378**	**.49462**
Stddev	.00029	.0026	.00109	.0004	.0019	.00011	.0007	.068	.00015	.00109
%RSD	.59594	.13548	.11023	.03887	.09074	.22808	.03263	.13646	.14281	.22003
#1	.04852	1.9480	.99182	1.0019	2.0410	.05019	2.2689	49.699	.10389	.49539
#2	.04893	1.9443	.99028	1.0024	2.0436	.05035	2.2700	49.795	.10368	.49385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20203**	**.25706**	**.97653**	**51.352**	**1.0104**	**49.157**	**.49881**	**1.0211**	**53.101**	**.49595**
Stddev	.00016	.00092	.00069	.030	.0055	.101	.00048	.0018	.184	.00066
%RSD	.07865	.35705	.07091	.05881	.53933	.20627	.09690	.17885	.34644	.13243
#1	.20192	.25770	.97604	51.373	1.0066	49.086	.49847	1.0198	52.971	.49548
#2	.20214	.25641	.97702	51.330	1.0143	49.229	.49915	1.0224	53.231	.49641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.023**	**.49129**	**.03009**	**.50309**	**1.9635**	**10.096**	**21.606**	**2.0074**	**1.0143**	**1.0122**
Stddev	.008	.00079	.00012	.00150	.0046	.000	.000	.0114	.0019	.0012
%RSD	.08072	.16059	.40773	.29752	.23360	.00058	.00058	.56886	.18611	.11422
#1	10.018	.49073	.03000	.50203	1.9602	10.096	21.606	1.9993	1.0130	1.0130
#2	10.029	.49184	.03018	.50415	1.9667	10.096	21.606	2.0155	1.0156	1.0114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0267**	**1.9589**	**2.1295**	**.51223**	**.49391**	**.51330**
Stddev	.0006	.0083	.0132	.00007	.00150	.00150
%RSD	.05700	.42109	.62130	.01304	.30455	.29234
#1	1.0263	1.9530	2.1389	.51218	.49285	.51224
#2	1.0271	1.9647	2.1202	.51227	.49497	.51436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7870.2**	**98888.**	**8443.1**
Stddev	18.6	279.	35.9
%RSD	.23584	.28198	.42512
#1	7857.1	99085.	8417.7
#2	7883.4	98690.	8468.5

Sample Name: 280-48811-b-1-b Acquired: 11/8/2013 18:15:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00424**	**.00105**	**.35569**	**.19121**	**.00014**	**.00045**	**89.661**	**.00025**	**-.00030**
Stddev	.00018	.00043	.00258	.00003	.00008	.00014	.00071	.174	.00003	.00041
%RSD	89.443	10.225	245.59	.00961	.04059	98.308	159.17	.19418	13.020	138.43
#1	-.00007	.00455	.00287	.35566	.19126	.00024	.00095	89.538	.00023	-.00059
#2	-.00032	.00393	-.00077	.35571	.19115	.00004	-.00006	89.784	.00028	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00329**	**.00995**	**5.3677**	**.01632**	**20.311**	**.03408**	**.00306**	**68.496**	**.00588**
Stddev	.00015	.00012	.00162	.0030	.00261	.004	.00001	.00000	.397	.00030
%RSD	82.381	3.6121	16.279	.05588	16.015	.02118	.02097	.08510	.57993	5.1432
#1	.00029	.00337	.00880	5.3656	.01447	20.314	.03408	.00306	68.215	.00567
#2	.00008	.00320	.01109	5.3699	.01817	20.308	.03407	.00306	68.777	.00609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.00054**	**28.570**	**.00050**	**.00225**	**7.2206**	**15.452**	**.00568**	**.89184**	**-.00065**
Stddev	.00112	.00044	.019	.00148	.00191	.0035	.008	.00068	.00046	.00090
%RSD	11.562	80.999	.06696	296.87	84.937	.04906	.04906	11.963	.05124	137.30
#1	.00893	.00085	28.556	-.00055	.00360	7.2181	15.447	.00616	.89216	-.00002
#2	.01052	.00023	28.583	.00155	.00090	7.2231	15.458	.00520	.89151	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00138**	**.00910**	**.00038**	**.02255**	**.00120**
Stddev	.00035	.00016	.01165	.00011	.00004	.00158
%RSD	181.89	11.771	127.96	27.345	.15729	131.33
#1	.00006	.00126	.00087	.00031	.02258	.00231
#2	-.00044	.00149	.01734	.00046	.02253	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7811.6**	**99004.**	**8381.1**
Stddev	9.9	539.	17.7
%RSD	.12610	.54438	.21075
#1	7804.6	98623.	8393.6
#2	7818.6	99385.	8368.6

Sample Name: 280-48811-b-1-bSD@5 Acquired: 11/8/2013 18:17:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.01496**	**.00205**	**.07678**	**.04047**	**.00007**	**-.00019**	**19.033**	**.00010**	**-.00010**
Stddev	.00008	.00028	.00056	.00072	.00092	.00002	.00187	.031	.00007	.00009
%RSD	52.267	1.8595	27.258	.93602	2.2829	23.610	1008.1	.16270	74.562	85.653
#1	-.00020	.01516	.00245	.07728	.03981	.00006	-.00151	19.011	.00005	-.00004
#2	-.00009	.01476	.00166	.07627	.04112	.00008	.00114	19.055	.00015	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00069**	**.01896**	**1.1618**	**.00364**	**4.3952**	**.00782**	**.00033**	**14.246**	**.00126**
Stddev	.00002	.00048	.00120	.0696	.00050	.0060	.00003	.00018	.266	.00019
%RSD	17.592	69.684	6.3384	5.9931	13.716	.13739	.37682	54.713	1.8642	15.263
#1	.00015	.00103	.01981	1.2110	.00329	4.3995	.00784	.00020	14.434	.00112
#2	.00012	.00035	.01811	1.1126	.00399	4.3910	.00780	.00046	14.058	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**.00085**	**5.9078**	**.00003**	**-.00024**	**1.5259**	**3.2653**	**.00710**	**.18912**	**-.00018**
Stddev	.00041	.00064	.0152	.00294	.00082	.0135	.0288	.00005	.00077	.00184
%RSD	22.406	75.432	.25709	8805.7	343.46	.88303	.88303	.73472	.40829	1029.0
#1	.00212	.00130	5.9186	.00211	.00034	1.5163	3.2449	.00706	.18858	.00112
#2	.00154	.00040	5.8971	-.00204	-.00082	1.5354	3.2857	.00713	.18967	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00019**	**.00861**	**-.00021**	**.01102**	**-.00066**
Stddev	.00010	.00061	.03780	.00002	.00013	.00025
%RSD	127.49	317.42	439.34	10.403	1.1855	37.594
#1	.00016	-.00062	-.01813	-.00023	.01093	-.00049
#2	.00001	.00024	.03534	-.00020	.01112	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8003.1**	**101660.**	**8390.8**
Stddev	29.9	82.	41.4
%RSD	.37345	.08088	.49332
#1	8024.2	101600.	8420.1
#2	7981.9	101720.	8361.6

Sample Name: 280-48811-b-1-c ms Acquired: 11/8/2013 18:20:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04777**	**1.8710**	**.98520**	**1.3200**	**2.1698**	**.04921**	F **2.1982**	**135.99**	**.10186**	**.47641**
Stddev	.00016	.0029	.00075	.0055	.0016	.00022	.0073	.07	.00054	.00035
%RSD	.34221	.15400	.07604	.41870	.07377	.44023	.33064	.05295	.52598	.07436
#1	.04788	1.8690	.98573	1.3239	2.1710	.04936	2.2033	135.94	.10224	.47616
#2	.04765	1.8730	.98467	1.3161	2.1687	.04906	2.1931	136.04	.10148	.47667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19645**	**.25236**	**.94832**	**55.664**	**1.0007**	**67.404**	**.51530**	**.99418**	**119.45**	**.48306**
Stddev	.00111	.00154	.00254	.055	.0015	.105	.00011	.00097	.09	.00074
%RSD	.56313	.60976	.26818	.09828	.15042	.15633	.02064	.09737	.07547	.15361
#1	.19724	.25345	.95012	55.626	1.0017	67.479	.51523	.99486	119.38	.48359
#2	.19567	.25127	.94652	55.703	.99959	67.330	.51538	.99349	119.51	.48254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9728**	**.47199**	**28.515**	**.48998**	**1.9207**	**17.040**	**36.466**	**1.9296**	**1.8673**	**.99196**
Stddev	.0270	.00238	.084	.00204	.0109	.134	.286	.0025	.0007	.00021
%RSD	.27051	.50334	.29518	.41699	.56763	.78499	.78499	.12993	.03722	.02080
#1	9.9919	.47367	28.574	.49143	1.9284	17.135	36.668	1.9314	1.8668	.99211
#2	9.9538	.47031	28.455	.48854	1.9130	16.945	36.263	1.9279	1.8678	.99182
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99919**	**1.8534**	**2.1038**	**.50381**	**.49638**	**.49749**
Stddev	.00253	.0087	.0731	.00112	.00110	.00387
%RSD	.25321	.46750	3.4746	.22197	.22161	.77828
#1	1.0010	1.8595	2.1555	.50301	.49715	.50023
#2	.99740	1.8472	2.0521	.50460	.49560	.49476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7664.1**	**96884.**	**8397.7**
Stddev	6.0	244.	11.4
%RSD	.07877	.25217	.13631
#1	7668.4	97056.	8405.8
#2	7659.9	96711.	8389.6

Sample Name: 280-48811-b-1-d msd Acquired: 11/8/2013 18:22:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04668**	**1.8708**	**.98039**	**1.3209**	**2.1749**	**.04900**	F **2.1836**	**137.02**	**.10171**	**.47638**
Stddev	.00026	.0063	.00029	.0031	.0003	.00017	.0027	.29	.00069	.00012
%RSD	.55914	.33594	.02956	.23173	.01520	.34754	.12186	.21331	.67431	.02464
#1	.04649	1.8663	.98059	1.3230	2.1747	.04912	2.1855	136.81	.10219	.47646
#2	.04686	1.8752	.98018	1.3187	2.1752	.04887	2.1818	137.22	.10122	.47629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19584**	**.25241**	**.95099**	**56.060**	**1.0043**	**67.753**	**.51522**	**.98972**	**120.38**	**.48291**
Stddev	.00065	.00009	.00137	.037	.0010	.053	.00025	.00449	.21	.00250
%RSD	.33377	.03390	.14381	.06603	.10377	.07763	.04838	.45353	.17476	.51718
#1	.19630	.25235	.95196	56.033	1.0050	67.716	.51504	.99290	120.53	.48468
#2	.19538	.25247	.95003	56.086	1.0035	67.790	.51539	.98655	120.23	.48114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9438**	**.47270**	**28.713**	**.48680**	**1.9210**	**17.114**	**36.623**	**1.9192**	**1.8801**	**.98992**
Stddev	.0374	.00196	.001	.00222	.0066	.023	.049	.0024	.0014	.00072
%RSD	.37576	.41553	.00449	.45666	.34438	.13468	.13468	.12532	.07428	.07243
#1	9.9702	.47409	28.712	.48837	1.9256	17.097	36.588	1.9209	1.8791	.99042
#2	9.9174	.47131	28.714	.48522	1.9163	17.130	36.658	1.9175	1.8811	.98941
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99946**	**1.8451**	**2.0856**	**.50386**	**.49719**	**.50009**
Stddev	.00128	.0011	.0449	.00070	.00260	.00335
%RSD	.12770	.05872	2.1541	.13870	.52221	.66888
#1	1.0004	1.8444	2.1173	.50436	.49903	.49773
#2	.99856	1.8459	2.0538	.50337	.49536	.50246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7651.8**	**95865.**	**8283.6**
Stddev	23.6	162.	47.6
%RSD	.30857	.16917	.57509
#1	7635.1	95979.	8249.9
#2	7668.5	95750.	8317.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:24:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**50.892**	**.00381**	**.01006**	**.00038**	**.00012**	**.99611**	**.02348**	**.00002**	**-.00057**	**-.00021**	**.00716**	**49.168**
Stddev	.00017	.300	.00045	.00064	.00046	.00005	.00697	.00038	.00003	.00007	.00003	.00004	.031
%RSD	7.6300	.58999	11.781	6.3129	120.75	46.759	.69934	1.6119	122.14	11.534	12.763	.59659	.06291
#1	.00241	51.104	.00349	.01051	.00071	.00008	1.0010	.02321	.00004	-.00052	-.00019	.00719	49.189
#2	.00216	50.679	.00412	.00961	.00006	.00016	.99119	.02374	.00000	-.00062	-.00023	.00713	49.146
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15228**	**.00097**	**.09184**	**.00052**	**.00033**	**254.66**	**.00041**	**.00412**	**.00169**	**4.9748**	**.00186**	**.00093**	**.03004**
Stddev	.06144	.00459	.00067	.00008	.00001	1.21	.00016	.00133	.00004	.0106	.00149	.00176	.00222
%RSD	40.343	472.69	.73236	16.202	3.3015	.47644	38.731	32.257	2.2706	.21384	80.140	189.97	7.3967
#1	.19572	-.00227	.09231	.00058	.00032	255.52	.00030	.00506	.00166	4.9823	.00081	.00217	.03161
#2	.10884	.00422	.09136	.00046	.00034	253.80	.00053	.00318	.00172	4.9673	.00291	-.00032	.02847
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06429**	**.00443**	**.00064**	**4.8698**	**-.00499**	**.00381**	**10.175**	**.00068**	**.00202**	**.01647**
Stddev	.00476	.00069	.00013	.0119	.00021	.00070	.036	.00030	.00000	.00190
%RSD	7.3967	15.563	20.844	.24404	4.1414	18.474	.35174	43.689	.20172	11.523
#1	.06765	.00492	.00054	4.8782	-.00485	.00430	10.201	.00088	.00203	.01782
#2	.06092	.00394	.00073	4.8614	-.00514	.00331	10.150	.00047	.00202	.01513
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7779.6**	**96413.**	**8233.5**
Stddev	14.8	91.	13.4
%RSD	.18968	.09395	.16305
#1	7769.2	96349.	8224.0
#2	7790.1	96477.	8243.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:26:39 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49382**	**.51750**	**.99640**	**.50638**	**.50420**	**.50069**	**.00098**	**5.0758**	**.50364**	**.50760**	**.50232**	**.50704**	**2.4461**
Stddev	.00237	.00071	.00337	.00038	.00102	.00092	.00183	.0211	.00022	.00035	.00022	.00050	.0008
%RSD	.48007	.13728	.33792	.07435	.20224	.18314	187.74	.41590	.04423	.06821	.04339	.09927	.03329
#1	.49550	.51800	.99402	.50611	.50492	.50134	-.00032	5.0907	.50348	.50784	.50217	.50739	2.4467
#2	.49215	.51700	.99878	.50665	.50347	.50004	.00227	5.0609	.50380	.50735	.50248	.50668	2.4455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.930**	**1.0061**	**19.729**	**.50170**	**.50302**	**5.3828**	**.50816**	**.99093**	**1.0244**	**.01497**	**1.0131**	**.99183**	**4.9868**
Stddev	.073	.0010	.073	.00004	.00018	.0225	.00026	.00222	.0003	.00079	.0004	.00944	.0345
%RSD	.14346	.09988	.37142	.00805	.03499	.41866	.05172	.22449	.02972	5.2834	.04307	.95213	.69085
#1	50.982	1.0068	19.781	.50167	.50314	5.3988	.50798	.99250	1.0246	.01553	1.0128	.98515	5.0111
#2	50.879	1.0053	19.677	.50173	.50289	5.3669	.50835	.98936	1.0242	.01441	1.0134	.99850	4.9624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.672**	**1.0070**	**.50145**	**-.00156**	**.50506**	**1.0320**	**-.02938**	**.50606**	**.50362**	**.49957**
Stddev	.074	.0037	.00130	.00298	.00012	.0014	.01015	.00043	.00025	.00043
%RSD	.69085	.36736	.26010	190.74	.02464	.13429	34.543	.08476	.04888	.08700
#1	10.724	1.0043	.50237	-.00367	.50515	1.0310	-.02220	.50575	.50379	.49988
#2	10.620	1.0096	.50053	.00054	.50497	1.0330	-.03655	.50636	.50344	.49926
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8018.7**	**101150.**	**8374.0**
Stddev	1.0	200.	18.2
%RSD	.01194	.19737	.21699
#1	8018.0	101010.	8386.9
#2	8019.4	101290.	8361.2

Sample Name: CCB Acquired: 11/8/2013 18:28:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00300**	**.00293**	**.00407**	**.00045**	**.00021**	**.00076**	**.01095**	**.00011**	**.00013**	**.00009**	**-.00037**
Stddev	.00067	.00105	.00187	.00018	.00018	.00016	.00019	.00198	.00013	.00014	.00001	.00002
%RSD	581.97	35.065	63.765	4.4577	39.839	74.255	25.498	18.112	111.35	104.30	6.5443	4.3553
#1	.00036	.00374	.00161	.00420	.00058	.00010	.00063	.01235	.00002	.00003	.00009	-.00038
#2	-.00059	.00225	.00425	.00394	.00033	.00032	.00090	.00955	.00021	.00023	.00008	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**.07115**	**-.00101**	**.00687**	**.00003**	**.00033**	W **.12520**	**-.00033**	**.00062**	**.00086**	**.01399**	W **.00569**
Stddev	.00041	.02535	.00096	.00081	.00004	.00026	.00940	.00019	.00041	.00194	.00035	.00189
%RSD	6.1329	35.632	94.518	11.727	108.42	78.684	7.5087	57.274	66.436	225.56	2.5352	33.226
#1	.00642	.08908	-.00034	.00630	.00001	.00051	.11855	-.00019	.00091	.00223	.01424	.00435
#2	.00700	.05322	-.00169	.00744	.00006	.00015	.13185	-.00046	.00033	-.00051	.01374	.00702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.01383**	**.02959**	**.00414**	**.00024**	**-.00010**	**.00010**	**.00118**	**-.01303**	**-.00027**	**.00389**	**.00024**
Stddev	.00234	.00001	.00003	.00008	.00008	.00036	.00003	.00044	.02085	.00058	.00054	.00220
%RSD	217.56	.08748	.08748	1.8712	32.197	362.10	25.465	37.078	160.00	214.65	13.831	905.45
#1	-.00058	.01382	.02957	.00419	.00029	-.00035	.00012	.00149	-.02778	.00014	.00427	.00180
#2	.00273	.01383	.02960	.00408	.00018	.00015	.00008	.00087	.00171	-.00068	.00351	-.00132
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.7**	**101550.**	**8163.3**
Stddev	16.4	387.	53.3
%RSD	.20652	.38103	.65280
#1	7920.1	101280.	8201.0
#2	7943.3	101820.	8125.6

Sample Name: CCVL2367586 Acquired: 11/8/2013 18:31:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.11630**	**.01447**	**.10067**	**.01032**	**.00106**	**.12364**	**.21256**	**.00540**	**.01080**	**.01065**	**.01587**	**.10180**
Stddev	.00058	.00901	.00133	.00015	.00020	.00006	.00132	.00274	.00001	.00036	.00005	.00016	.00310
%RSD	5.8489	7.7496	9.1630	.14521	1.9838	5.5608	1.0667	1.2911	.27524	3.3373	.44609	.99083	3.0471
#1	.00946	.10993	.01353	.10057	.01018	.00102	.12457	.21062	.00541	.01055	.01062	.01598	.09961
#2	.01027	.12267	.01540	.10078	.01047	.00110	.12270	.21450	.00538	.01106	.01069	.01576	.10400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1542**	**.00927**	**.21099**	**.01049**	**.02070**	**1.1787**	**.04214**	**2.8875**	**.01075**	**.01788**	**.01249**	**.01758**	**.50848**
Stddev	.0142	.00064	.00305	.00005	.00050	.0139	.00002	.0239	.00066	.00844	.00303	.00208	.01283
%RSD	.45129	6.8550	1.4447	.47884	2.4066	1.1781	.05488	.82790	6.1757	47.204	24.251	11.802	2.5232
#1	3.1441	.00972	.20883	.01053	.02035	1.1689	.04216	2.9045	.01122	.01191	.01464	.01905	.49941
#2	3.1642	.00882	.21314	.01046	.02105	1.1885	.04213	2.8706	.01028	.02385	.01035	.01612	.51756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0882**	**.10650**	**.01029**	**.01599**	**.00992**	**.01783**	F **.08668**	**.00998**	**.02543**	**.01528**
Stddev	.0275	.00013	.00010	.00182	.00040	.00021	.03510	.00062	.00063	.00138
%RSD	2.5232	.12670	.97998	11.355	4.0036	1.1918	40.492	6.2576	2.4749	9.0071
#1	1.0687	.10641	.01022	.01727	.00964	.01798	.06186	.01042	.02588	.01625
#2	1.1076	.10660	.01037	.01470	.01020	.01768	.11150	.00954	.02499	.01431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8047.6**	**102860.**	**8370.0**
Stddev	17.8	265.	23.4
%RSD	.22106	.25743	.27974
#1	8035.0	103050.	8386.6
#2	8060.2	102670.	8353.5

Sample Name: 280-48776-d-6-b Acquired: 11/8/2013 18:33:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00394**	**.00000**	**.10635**	**.00021**	**.00002**	**-.00157**	**.02147**	**.00018**	**-.00009**
Stddev	.00060	.00002	.0014	.00085	.00028	.00002	.00063	.00041	.00000	.00002
%RSD	897.68	.46710	593170.	.79974	134.16	75.897	40.246	1.9049	1.4177	21.803
#1	-.00036	.00393	.00096	.10696	.00041	.00001	-.00112	.02175	.00018	-.00008
#2	.00049	.00395	-.00096	.10575	.00001	.00004	-.00201	.02118	.00018	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00044**	**.00799**	**.11572**	**-.00141**	**.00276**	**.00028**	**.00015**	**6.4726**	**-.00004**
Stddev	.00002	.00005	.00082	.01696	.00237	.00286	.00000	.00006	.0213	.00007
%RSD	6.8273	11.578	10.309	14.657	167.83	103.88	.64894	37.284	.32891	168.65
#1	.00035	.00048	.00740	.10373	.00026	.00073	.00028	.00019	6.4877	.00001
#2	.00032	.00040	.00857	.12772	-.00308	.00478	.00028	.00011	6.4576	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00077**	**.03304**	**.00027**	**.00043**	**5.0448**	**10.796**	**.00231**	**.00022**	**-.00091**
Stddev	.00108	.00072	.00284	.00032	.00005	.0101	.022	.00028	.00005	.00279
%RSD	67.439	94.042	8.6027	118.40	11.130	.19922	.19922	12.199	25.116	305.58
#1	.00237	.00026	.03103	.00049	.00047	5.0519	10.811	.00251	.00025	.00106
#2	.00084	.00128	.03505	.00004	.00040	5.0377	10.781	.00211	.00018	-.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00040**	**.03344**	**-.00041**	**.00403**	**.00037**
Stddev	.00010	.00033	.00391	.00017	.00003	.00157
%RSD	137.67	80.972	11.704	40.474	.64293	420.82
#1	.00000	.00063	.03621	-.00030	.00401	.00148
#2	-.00015	.00017	.03067	-.00053	.00405	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8191.5**	**104320.**	**8414.6**
Stddev	16.5	693.	37.1
%RSD	.20107	.66428	.44125
#1	8179.9	103830.	8388.3
#2	8203.2	104810.	8440.8

Sample Name: 280-48776-d-1-b Acquired: 11/8/2013 18:35:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00390**	**-.00095**	**.01638**	**.92627**	**.00006**	**-.00145**	**51.282**	**.00048**	**-.00025**
Stddev	.00027	.00008	.00080	.00040	.00429	.00009	.00001	.079	.00013	.00007
%RSD	35.316	2.1180	84.415	2.4555	.46359	155.09	.67091	.15362	28.076	27.427
#1	-.00057	.00396	-.00038	.01666	.92931	-.00001	-.00146	51.338	.00038	-.00029
#2	-.00095	.00384	-.00152	.01609	.92324	.00012	-.00144	51.226	.00057	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00121**	**.03846**	**2.8672**	**.01126**	**9.4838**	**.11912**	**.00103**	**24.417**	**-.00038**
Stddev	.00004	.00001	.00030	.0149	.00087	.0435	.00043	.00019	.178	.00043
%RSD	17.591	.86509	.79049	.51778	7.7435	.45918	.36259	18.359	.72979	113.10
#1	.00021	.00121	.03867	2.8567	.01187	9.5146	.11943	.00089	24.291	-.00008
#2	.00027	.00122	.03824	2.8777	.01064	9.4530	.11881	.00116	24.543	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00589**	**-.00016**	**4.1959**	**.00066**	**.00318**	**5.9924**	**12.824**	**.00145**	**1.7157**	**.00023**
Stddev	.00063	.00177	.0055	.00141	.00047	.0306	.065	.00007	.0039	.00080
%RSD	10.678	1079.1	.13054	213.05	14.828	.50994	.50994	5.0982	.22722	349.06
#1	.00545	-.00141	4.1998	.00165	.00352	5.9708	12.778	.00140	1.7184	-.00034
#2	.00634	.00109	4.1921	-.00033	.00285	6.0141	12.870	.00150	1.7129	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00016**	**-.00278**	**-.00024**	**.00450**	**-.00099**
Stddev	.00009	.00072	.00139	.00047	.00047	.00083
%RSD	28.612	450.87	49.964	190.72	10.432	83.414
#1	.00024	.00067	-.00376	.00009	.00483	-.00158
#2	.00036	-.00035	-.00180	-.00057	.00417	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7978.0**	**101120.**	**8440.4**
Stddev	1.0	83.	38.3
%RSD	.01218	.08160	.45370
#1	7978.7	101060.	8413.3
#2	7977.3	101180.	8467.4

Sample Name: 280-48776-d-2-b Acquired: 11/8/2013 18:38:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00285**	**.00302**	**.03435**	**.08139**	**.00013**	**-.00224**	**131.86**	**.00063**	**-.00041**
Stddev	.00039	.00011	.00104	.00012	.00013	.00003	.00116	.03	.00003	.00009
%RSD	833.28	3.6915	34.565	.36046	.15599	24.198	51.827	.01907	5.5325	23.370
#1	.00023	.00292	.00376	.03444	.08130	.00015	-.00142	131.84	.00065	-.00034
#2	-.00033	.00277	.00228	.03426	.08148	.00011	-.00306	131.88	.00060	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00148**	**.00705**	**3.1653**	**.02461**	**47.761**	**.00791**	**.00064**	**181.29**	**.00034**
Stddev	.00003	.00028	.00125	.0403	.00124	.034	.00003	.00031	.56	.00016
%RSD	1.5800	19.167	17.729	1.2745	5.0428	.07047	.34588	48.851	.31020	46.083
#1	.00166	.00128	.00617	3.1367	.02548	47.737	.00793	.00086	180.89	.00045
#2	.00162	.00168	.00793	3.1938	.02373	47.785	.00789	.00042	181.68	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01990**	**-.00037**	**114.81**	**.00017**	**.00268**	**6.7793**	**14.508**	**.00146**	**2.0806**	**-.00086**
Stddev	.00207	.00019	.24	.00090	.00058	.0551	.118	.00048	.0014	.00125
%RSD	10.390	51.605	.20708	519.93	21.539	.81288	.81288	32.944	.06874	144.24
#1	.01844	-.00024	114.97	-.00046	.00309	6.7403	14.424	.00112	2.0816	.00002
#2	.02136	-.00051	114.64	.00081	.00227	6.8182	14.591	.00180	2.0796	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00092**	**.01307**	**.00035**	**.00785**	**.00241**
Stddev	.00001	.00049	.02073	.00012	.00003	.00086
%RSD	3.6404	53.886	158.67	35.244	.41313	35.682
#1	.00018	.00126	.02773	.00043	.00788	.00302
#2	.00019	.00057	-.00159	.00026	.00783	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7644.7**	**96381.**	**8332.3**
Stddev	22.4	246.	51.0
%RSD	.29294	.25495	.61243
#1	7628.9	96555.	8368.4
#2	7660.5	96207.	8296.2

Sample Name: 280-48776-d-3-b Acquired: 11/8/2013 18:40:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.01578**	**-.00070**	**.03371**	**.08176**	**.00014**	**-.00497**	**133.45**	**.00080**	**-.00035**
Stddev	.00008	.00027	.00007	.00009	.00029	.00003	.00246	.08	.00016	.00009
%RSD	10.517	1.7188	9.2505	.26988	.35220	22.572	49.551	.05809	19.556	25.005
#1	-.00081	.01597	-.00075	.03378	.08196	.00016	-.00671	133.50	.00091	-.00029
#2	-.00070	.01559	-.00066	.03365	.08155	.00011	-.00323	133.39	.00069	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00126**	**.01931**	**3.0476**	**.02594**	**47.813**	**.01173**	**.00076**	**183.66**	**.00038**
Stddev	.00002	.00001	.00149	.0140	.00323	.119	.00007	.00008	.10	.00018
%RSD	1.3011	1.0141	7.7161	.45766	12.461	.24799	.57674	10.381	.05404	46.661
#1	.00162	.00127	.01826	3.0377	.02366	47.729	.01168	.00070	183.73	.00051
#2	.00159	.00125	.02037	3.0575	.02823	47.897	.01178	.00082	183.59	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01870**	**.00007**	**115.68**	**-.00446**	**.00249**	**6.8681**	**14.698**	**.00019**	**2.1076**	**-.00090**
Stddev	.00059	.00137	.10	.00460	.00168	.0337	.072	.00014	.0036	.00156
%RSD	3.1759	1982.6	.08575	103.02	67.414	.49055	.49055	71.304	.16991	173.50
#1	.01912	-.00090	115.75	-.00121	.00130	6.8919	14.749	.00009	2.1102	-.00201
#2	.01828	.00104	115.61	-.00771	.00367	6.8443	14.647	.00028	2.1051	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00070**	**-.02971**	**.00074**	**.00681**	**.00052**
Stddev	.00017	.00079	.04208	.00012	.00036	.00062
%RSD	44.207	113.14	141.65	16.697	5.2902	119.89
#1	.00027	.00126	.00005	.00065	.00656	.00096
#2	.00051	.00014	-.05946	.00083	.00706	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7637.7**	**96603.**	**8296.3**
Stddev	1.9	337.	55.4
%RSD	.02457	.34850	.66727
#1	7636.3	96365.	8335.5
#2	7639.0	96841.	8257.2

Sample Name: 280-48776-d-4-b Acquired: 11/8/2013 18:42:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00290**	**.00049**	**.01777**	**.10352**	**.00006**	**-.00220**	**58.448**	**.00055**	**-.00011**
Stddev	.00005	.00003	.00171	.00026	.00001	.00004	.00056	.050	.00010	.00000
%RSD	10.996	.96111	347.77	1.4562	.00661	59.662	25.668	.08609	18.644	3.8571
#1	-.00052	.00292	.00170	.01795	.10352	.00004	-.00259	58.412	.00048	-.00011
#2	-.00045	.00288	-.00072	.01758	.10353	.00009	-.00180	58.483	.00063	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**.00097**	**.01341**	**1.7100**	**.00931**	**13.169**	**.00367**	**.00082**	**28.912**	**.00016**
Stddev	.00015	.00021	.00206	.0875	.00114	.012	.00003	.00022	.202	.00026
%RSD	4.0576	22.170	15.390	5.1189	12.203	.09440	.83653	27.382	.69861	160.34
#1	.00352	.00112	.01486	1.6481	.00851	13.178	.00369	.00098	28.769	-.00002
#2	.00373	.00082	.01195	1.7719	.01012	13.160	.00365	.00066	29.055	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**.00087**	**21.698**	**.00072**	**.00125**	**6.3619**	**13.615**	**.00126**	**.78804**	**-.00204**
Stddev	.00062	.00047	.025	.00076	.00043	.0211	.045	.00043	.00037	.00026
%RSD	10.433	53.418	.11461	104.71	34.216	.33202	.33202	33.954	.04738	12.823
#1	.00640	.00120	21.716	.00019	.00095	6.3470	13.583	.00156	.78777	-.00185
#2	.00552	.00054	21.681	.00126	.00155	6.3769	13.646	.00096	.78830	-.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00011**	**.00150**	**-.00018**	**.00548**	**.00069**
Stddev	.00026	.00011	.01411	.00088	.00016	.00121
%RSD	1552.3	102.21	938.38	492.64	2.9708	174.59
#1	.00017	-.00018	-.00847	-.00080	.00560	-.00016
#2	-.00020	-.00003	.01148	.00044	.00537	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7893.4**	**100980.**	**8381.8**
Stddev	5.0	121.	100.1
%RSD	.06341	.11983	1.1948
#1	7896.9	100890.	8311.0
#2	7889.8	101060.	8452.6

Sample Name: 280-48776-d-5-b Acquired: 11/8/2013 18:45:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.01692**	**-.00134**	**.01957**	**.13027**	**.00004**	**-.00004**	**52.901**	**.00027**	**-.00039**
Stddev	.00004	.00025	.00254	.00072	.00055	.00007	.00259	.132	.00021	.00031
%RSD	14.152	1.4719	189.80	3.6785	.42374	176.64	6441.7	.24912	77.139	78.332
#1	-.00024	.01710	.00046	.01906	.13066	-.00001	-.00187	52.994	.00041	-.00018
#2	-.00030	.01674	-.00314	.02008	.12988	.00009	.00179	52.808	.00012	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00079**	**.01788**	**1.6725**	**.00917**	**12.072**	**.00248**	**.00083**	**46.943**	**-.00005**
Stddev	.00012	.00040	.00237	.0207	.00015	.002	.00000	.00001	.544	.00030
%RSD	65.455	50.409	13.250	1.2364	1.6345	.01756	.11426	1.7460	1.1581	567.97
#1	.00028	.00107	.01956	1.6871	.00906	12.071	.00248	.00082	47.327	.00016
#2	.00010	.00051	.01621	1.6579	.00928	12.074	.00248	.00084	46.558	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00647**	**.00097**	**29.131**	**-.00281**	**.00145**	**6.0603**	**12.969**	**.00050**	**.55438**	**-.00044**
Stddev	.00011	.00065	.078	.00032	.00068	.0454	.097	.00006	.00077	.00002
%RSD	1.6864	67.766	.26777	11.462	46.669	.74850	.74850	11.924	.13939	4.4413
#1	.00639	.00050	29.186	-.00258	.00193	6.0923	13.038	.00046	.55493	-.00045
#2	.00655	.00143	29.076	-.00304	.00097	6.0282	12.900	.00055	.55383	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00079**	**-.01137**	**-.00019**	**.00428**	**.00193**
Stddev	.00012	.00091	.01750	.00015	.00034	.00122
%RSD	23.374	115.09	153.94	75.983	7.9997	63.476
#1	.00043	.00015	-.02374	-.00009	.00404	.00106
#2	.00060	.00144	.00101	-.00030	.00452	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7915.3**	**100320.**	**8488.8**
Stddev	10.7	168.	25.0
%RSD	.13534	.16786	.29396
#1	7907.7	100440.	8506.4
#2	7922.8	100200.	8471.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:47:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**50.937**	**.00184**	**.00631**	**.00031**	**.00008**	**1.0044**	**.01963**	**.00008**	**-.00098**	**-.00005**	**.00714**	**48.797**
Stddev	.00101	.026	.00084	.00059	.00045	.00011	.0020	.00521	.00006	.00010	.00002	.00022	.036
%RSD	28.942	.05010	45.609	9.3416	143.67	128.86	.19751	26.554	70.623	10.332	37.317	3.1165	.07459
#1	.00421	50.919	.00125	.00589	.00063	.00016	1.0030	.01594	.00012	-.00091	-.00004	.00698	48.823
#2	.00278	50.955	.00243	.00672	.00000	.00001	1.0058	.02332	.00004	-.00105	-.00006	.00730	48.772
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10681**	**.00099**	**.08657**	**.00026**	**-.00040**	**255.60**	**.00001**	**.00220**	**.00123**	**5.0171**	**.00118**	**-.00110**	**.03070**
Stddev	.02565	.00139	.00093	.00001	.00028	.38	.00033	.00050	.00046	.0009	.00079	.00054	.02896
%RSD	24.019	141.22	1.0695	5.6239	69.147	.14843	3800.1	22.830	37.037	.01838	67.013	49.676	94.307
#1	.08867	.00000	.08592	.00027	-.00021	255.33	-.00023	.00255	.00091	5.0165	.00174	-.00071	.05118
#2	.12495	.00197	.08723	.00025	-.00060	255.86	.00024	.00184	.00155	5.0178	.00062	-.00148	.01023
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06571**	**.00148**	**.00055**	**4.8682**	**-.00493**	**.00163**	**10.255**	**.00018**	**.00134**	**.01508**
Stddev	.06197	.00024	.00014	.0006	.00035	.00087	.062	.00060	.00002	.00033
%RSD	94.307	16.128	25.042	.01277	7.0036	53.361	.60109	340.24	1.7150	2.2100
#1	.10952	.00131	.00045	4.8677	-.00518	.00225	10.211	-.00025	.00135	.01484
#2	.02189	.00165	.00065	4.8686	-.00469	.00102	10.299	.00060	.00132	.01531
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7778.8**	**97081.**	**8278.0**
Stddev	15.2	140.	50.7
%RSD	.19522	.14457	.61201
#1	7789.5	97180.	8242.2
#2	7768.0	96982.	8313.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:49:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50073**	**.52175**	**1.0042**	**.51083**	**.50722**	**.50401**	**.00183**	**5.0876**	**.50734**	**.51074**	**.50687**	**.51202**	**2.4604**
Stddev	.00216	.00299	.0074	.00310	.00001	.00045	.00162	.0004	.00026	.00117	.00073	.00004	.0150
%RSD	.43223	.57392	.73727	.60642	.00104	.08935	88.265	.00734	.05188	.22937	.14449	.00743	.61103
#1	.50226	.52386	.99899	.50864	.50722	.50432	.00069	5.0879	.50753	.51156	.50739	.51205	2.4498
#2	.49920	.51963	1.0095	.51302	.50723	.50369	.00298	5.0874	.50716	.50991	.50635	.51199	2.4710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.428**	**1.0125**	**19.912**	**.50476**	**.51320**	**5.3960**	**.51774**	**1.0068**	**1.0424**	**.01842**	**1.0267**	**1.0059**	**4.9965**
Stddev	.193	.0022	.070	.00088	.00084	.0186	.00041	.0024	.0010	.00539	.0028	.0006	.0509
%RSD	.37522	.22046	.34902	.17425	.16459	.34482	.07900	.23415	.09454	29.279	.27124	.06065	1.0179
#1	51.564	1.0110	19.961	.50539	.51260	5.4092	.51803	1.0052	1.0431	.02224	1.0248	1.0063	4.9605
#2	51.292	1.0141	19.863	.50414	.51380	5.3829	.51746	1.0085	1.0417	.01461	1.0287	1.0054	5.0325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.693**	**1.0233**	**.50550**	**-.00438**	**.50799**	**1.0426**	**.04056**	**.51072**	**.50710**	**.50478**
Stddev	.109	.0007	.00089	.00074	.00030	.0012	.05067	.00020	.00002	.00318
%RSD	1.0179	.06503	.17656	16.899	.05930	.11523	124.93	.03996	.00428	.63074
#1	10.616	1.0238	.50487	-.00385	.50821	1.0418	.00473	.51087	.50711	.50253
#2	10.769	1.0229	.50613	-.00490	.50778	1.0435	.07639	.51058	.50708	.50703
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.4**	**101400.**	**8291.2**
Stddev	28.2	161.	6.6
%RSD	.35108	.15917	.08013
#1	7999.4	101290.	8286.5
#2	8039.3	101520.	8295.9

Sample Name: CCB Acquired: 11/8/2013 18:51:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00288**	W **.00442**	**.00224**	**.00014**	**.00018**	**.00246**	**.00023**	**.00031**	**-.00003**	**.00013**	**.00023**
Stddev	.00055	.00037	.00045	.00006	.00011	.00005	.00015	.00065	.00029	.00006	.00000	.00002
%RSD	146.21	12.831	10.174	2.5293	77.298	25.251	6.2158	281.45	93.159	231.49	1.0050	7.8946
#1	-.00076	.00314	.00411	.00228	.00021	.00015	.00235	-.00023	.00052	-.00007	.00013	.00021
#2	.00001	.00262	.00474	.00220	.00006	.00021	.00256	.00069	.00011	.00002	.00013	.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441									
Low Limit			-.00441									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**.11754**	**.00240**	**.00306**	**.00005**	**.00039**	W **.10625**	**-.00021**	**-.00090**	**.00070**	**.01605**	F **.00878**
Stddev	.00024	.00235	.00228	.00064	.00004	.00015	.01743	.00018	.00028	.00062	.00119	.00067
%RSD	8.2025	1.9958	95.179	20.885	76.442	38.223	16.406	84.965	31.437	88.928	7.4172	7.6134
#1	.00315	.11588	.00078	.00261	.00008	.00028	.09392	-.00034	-.00070	.00026	.01689	.00830
#2	.00280	.11920	.00401	.00352	.00002	.00049	.11857	-.00008	-.00110	.00114	.01521	.00925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00368**	**.00787**	**.00144**	**.00005**	**.00183**	**.00012**	**.00014**	**.02262**	**-.00017**	**.00370**	**.00009**
Stddev	.00353	.01760	.03767	.00031	.00001	.00032	.00000	.00004	.01651	.00016	.00020	.00192
%RSD	282.46	478.78	478.78	21.905	29.427	17.694	.23498	27.413	72.996	92.885	5.4737	2248.0
#1	.00374	-.00877	-.01877	.00166	.00004	.00206	.00012	.00011	.03429	-.00006	.00356	.00144
#2	-.00125	.01612	.03451	.00121	.00006	.00160	.00012	.00017	.01094	-.00028	.00385	-.00127
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8015.1**	**102720.**	**8349.8**
Stddev	2.5	339.	14.2
%RSD	.03141	.33044	.16950
#1	8013.3	102960.	8359.8
#2	8016.9	102480.	8339.8

Sample Name: CCVL2367586 Acquired: 11/8/2013 18:54:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.11042**	**.01382**	**.09863**	**.01047**	**.00121**	**.12301**	**.21672**	**.00538**	**.01066**	**.01049**	**.01646**	**.10281**	**3.1777**
Stddev	.00000	.00024	.00261	.00021	.00011	.00001	.00632	.00217	.00007	.00009	.00008	.00025	.00120	.0704
%RSD	.01762	.21467	18.858	.21643	1.0775	.50546	5.1378	1.0021	1.3336	.84801	.76065	1.5425	1.1719	2.2146
#1	.01031	.11059	.01197	.09848	.01039	.00122	.12748	.21825	.00543	.01072	.01054	.01628	.10196	3.2274
#2	.01031	.11026	.01566	.09878	.01055	.00121	.11854	.21518	.00533	.01060	.01043	.01664	.10366	3.1279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01200**	**.21049**	**.01053**	**.02044**	**1.1665**	**.04253**	**2.8900**	**.01071**	**.01266**	**.00960**	**.01348**	**.50279**	**1.0760**	**.10340**
Stddev	.00008	.00222	.00021	.00013	.0059	.00004	.0098	.00033	.00317	.00342	.00178	.00660	.0141	.00069
%RSD	.62905	1.0548	1.9711	.64657	.50866	.08467	.33854	3.0998	25.063	35.569	13.195	1.3118	1.3118	.66458
#1	.01206	.20892	.01038	.02053	1.1707	.04255	2.8969	.01048	.01491	.01202	.01222	.50745	1.0859	.10389
#2	.01195	.21206	.01067	.02034	1.1623	.04250	2.8831	.01095	.01042	.00719	.01474	.49813	1.0660	.10292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.01713**	**.01020**	**.01732**	**.06421**	**.01023**	**.02497**	**.01502**
Stddev	.00005	.00170	.00015	.00075	.01844	.00006	.00016	.00102
%RSD	.49028	9.9156	1.4695	4.3322	28.716	.56447	.63285	6.8202
#1	.01057	.01592	.01030	.01679	.07725	.01019	.02508	.01429
#2	.01049	.01833	.01009	.01785	.05117	.01027	.02486	.01574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8112.6**	**103970.**	**8369.4**
Stddev	3.6	300.	36.9
%RSD	.04412	.28879	.44036
#1	8115.2	104180.	8343.4
#2	8110.1	103760.	8395.5

Sample Name: mb 280-199652/1-a Acquired: 11/8/2013 18:56:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00328**	**-.00019**	**.00121**	**-.00011**	**.00010**	**-.00108**	**.00572**	**.00011**	**-.00021**
Stddev	.00031	.00008	.00058	.00001	.00025	.00005	.00133	.00019	.00003	.00017
%RSD	91.311	2.3081	298.92	.74670	227.82	46.872	123.01	3.3999	27.840	84.905
#1	-.00012	.00333	-.00060	.00122	-.00029	.00013	-.00014	.00558	.00013	-.00008
#2	-.00055	.00323	.00021	.00121	.00007	.00006	-.00202	.00586	.00008	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00033**	**.00778**	**.02082**	**-.00085**	**.00123**	**.00005**	**.00011**	**.06350**	**-.00007**
Stddev	.00010	.00004	.00013	.01340	.00003	.00203	.00005	.00016	.01630	.00019
%RSD	35.490	12.332	1.6525	64.359	3.2528	164.84	103.84	139.34	25.672	285.50
#1	.00021	.00030	.00787	.03029	-.00087	-.00020	.00001	.00022	.05197	-.00020
#2	.00035	.00036	.00769	.01134	-.00083	.00267	.00008	.00000	.07503	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00094**	**.01192**	**-.00090**	**-.00030**	**-.00042**	**-.00090**	**.00086**	**.00002**	**.00061**
Stddev	.00127	.00045	.00022	.00101	.00520	.01726	.03694	.00009	.00006	.00093
%RSD	119.19	48.413	1.8814	111.26	1724.3	4125.3	4125.3	10.256	229.88	152.31
#1	.00017	.00126	.01177	-.00162	-.00398	.01179	.02523	.00079	.00006	.00126
#2	.00197	.00062	.01208	-.00019	.00338	-.01263	-.02702	.00092	-.00002	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00042**	**.00101**	**.00021**	**.00308**	**.00140**
Stddev	.00022	.00017	.01621	.00019	.00002	.00201
%RSD	121.32	39.540	1604.3	91.072	.66608	143.38
#1	.00003	.00030	-.01045	.00008	.00309	.00283
#2	.00034	.00054	.01247	.00035	.00306	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.4**	**103910.**	**8454.0**
Stddev	17.4	247.	207.3
%RSD	.21482	.23754	2.4522
#1	8078.1	103740.	8600.6
#2	8102.7	104080.	8307.4

Sample Name: lcs 280-199652/2-a Acquired: 11/8/2013 18:58:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04952**	**1.9675**	**1.0045**	**.99727**	**2.0636**	**.05087**	**2.2774**	**50.193**	**.10496**	**.49988**
Stddev	.00021	.0030	.0017	.00162	.0029	.00008	.0010	.096	.00042	.00046
%RSD	.42296	.15339	.16654	.16221	.14159	.15584	.04259	.19079	.40030	.09155
#1	.04937	1.9696	1.0034	.99612	2.0615	.05081	2.2780	50.261	.10526	.49955
#2	.04967	1.9653	1.0057	.99841	2.0657	.05092	2.2767	50.125	.10467	.50020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20366**	**.26040**	**.98665**	**52.168**	**1.0209**	**49.729**	**.50451**	**1.0145**	**54.026**	**.49901**
Stddev	.00014	.00060	.00300	.033	.0017	.020	.00109	.0000	.508	.00015
%RSD	.06747	.22871	.30359	.06323	.17038	.04049	.21554	.00061	.93977	.02954
#1	.20375	.26082	.98877	52.145	1.0196	49.743	.50528	1.0145	54.385	.49890
#2	.20356	.25997	.98453	52.191	1.0221	49.715	.50374	1.0145	53.667	.49911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.090**	**.49762**	**.00325**	**.50313**	**1.9798**	**10.175**	**21.774**	**1.9910**	**1.0235**	**1.0258**
Stddev	.028	.00215	.00103	.00034	.0089	.053	.114	.0118	.0011	.0003
%RSD	.27254	.43295	31.720	.06776	.45094	.52317	.52317	.59437	.10551	.02548
#1	10.070	.49915	.00397	.50289	1.9861	10.213	21.855	1.9994	1.0227	1.0259
#2	10.109	.49610	.00252	.50337	1.9735	10.137	21.694	1.9827	1.0242	1.0256
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0263**	**1.9764**	**2.1698**	**.51896**	**.50040**	**.51723**
Stddev	.0025	.0140	.0035	.00070	.00009	.00229
%RSD	.24010	.71010	.15926	.13443	.01745	.44369
#1	1.0281	1.9864	2.1722	.51847	.50034	.51886
#2	1.0246	1.9665	2.1673	.51945	.50046	.51561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7751.6**	**97503.**	**8209.2**
Stddev	12.2	294.	47.7
%RSD	.15738	.30130	.58084
#1	7743.0	97710.	8175.5
#2	7760.2	97295.	8243.0

Sample Name: 280-48829-a-1-a Acquired: 11/8/2013 19:01:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00796**	**.97268**	**.00485**	**.05830**	**.20692**	**.00014**	**-.00372**	**75.810**	**.00050**	**.00085**
Stddev	.00071	.00058	.00047	.00066	.00047	.00006	.00105	.018	.00012	.00020
%RSD	8.9013	.05930	9.6857	1.1328	.22654	38.614	28.294	.02357	24.039	23.123
#1	.00846	.97308	.00452	.05877	.20725	.00011	-.00446	75.822	.00059	.00071
#2	.00746	.97227	.00518	.05783	.20658	.00018	-.00297	75.797	.00042	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00758**	**1.2556**	**20.546**	**.01046**	**19.288**	**.27470**	**.00258**	**23.614**	**.01239**
Stddev	.00015	.00026	.0003	.083	.00046	.067	.00092	.00050	.274	.00011
%RSD	10.598	3.4641	.02649	.40417	4.3882	.34568	.33480	19.526	1.1596	.89777
#1	.00151	.00740	1.2553	20.605	.01079	19.241	.27405	.00294	23.808	.01247
#2	.00130	.00777	1.2558	20.488	.01014	19.335	.27535	.00223	23.420	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1936**	**.00169**	**16.961**	**.00027**	**.00857**	**8.8977**	**19.041**	**.00095**	**.34848**	**.00004**
Stddev	.0110	.00122	.039	.00368	.00111	.0169	.036	.00096	.00047	.00099
%RSD	.92437	72.217	.23045	1352.7	12.949	.18953	.18953	100.34	.13520	2281.4
#1	1.2014	.00083	16.989	-.00233	.00778	8.9096	19.067	.00028	.34882	.00074
#2	1.1858	.00255	16.934	.00287	.00935	8.8857	19.015	.00163	.34815	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02151**	**.00036**	**-.00702**	**.00548**	**.02381**	**.00274**
Stddev	.00102	.00131	.01823	.00008	.00020	.00051
%RSD	4.7260	365.85	259.46	1.3743	.82317	18.423
#1	.02223	-.00057	-.01991	.00542	.02367	.00239
#2	.02079	.00129	.00586	.00553	.02395	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7898.2**	**99498.**	**8269.3**
Stddev	11.8	63.	41.4
%RSD	.14969	.06357	.50082
#1	7906.5	99542.	8240.0
#2	7889.8	99453.	8298.6

Sample Name: 280-48829-a-1-aSD@5 Acquired: 11/8/2013 19:03:19 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.23199**	**.00161**	**.01388**	**.04432**	**.00010**	**-.00173**	**16.144**	**.00030**	**.00028**
Stddev	.00035	.00066	.00178	.00056	.00004	.00005	.00033	.062	.00001	.00021
%RSD	40.113	.28458	110.55	4.0564	.09402	45.819	19.143	.38270	3.9481	75.088
#1	.00113	.23152	.00288	.01428	.04435	.00007	-.00196	16.100	.00030	.00013
#2	.00063	.23246	.00035	.01348	.04429	.00013	-.00149	16.188	.00029	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00150**	**.28798**	**4.3319**	**.00248**	**4.1582**	**.05947**	**.00066**	**4.9543**	**.00276**
Stddev	.00001	.00031	.00006	.0920	.00008	.0093	.00002	.00021	.0040	.00021
%RSD	2.9721	20.656	.01991	2.1236	3.1179	.22346	.04034	31.681	.08068	7.4962
#1	.00046	.00172	.28802	4.2668	.00242	4.1517	.05945	.00081	4.9515	.00291
#2	.00048	.00128	.28794	4.3969	.00253	4.1648	.05949	.00051	4.9571	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24724**	**.00039**	**3.5151**	**.00126**	**.00149**	**1.8831**	**4.0298**	**.00287**	**.07450**	**.00215**
Stddev	.00139	.00008	.0019	.00154	.00252	.0127	.0272	.00053	.00056	.00032
%RSD	.56133	20.562	.05511	122.37	168.87	.67425	.67425	18.390	.74751	14.812
#1	.24822	.00045	3.5165	.00235	.00327	1.8741	4.0106	.00325	.07411	.00193
#2	.24625	.00033	3.5137	.00017	-.00029	1.8921	4.0490	.00250	.07489	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.00071**	**-.01488**	**.00080**	**.01112**	**.00173**
Stddev	.00047	.00068	.04345	.00060	.00029	.00033
%RSD	9.5077	94.794	291.89	75.215	2.5887	19.278
#1	.00458	.00119	.01584	.00037	.01132	.00196
#2	.00524	.00024	-.04560	.00122	.01092	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.3**	**101070.**	**8166.8**
Stddev	12.2	81.	36.3
%RSD	.15393	.08008	.44497
#1	7943.9	101120.	8192.5
#2	7926.7	101010.	8141.1

Sample Name: 280-48829-a-1-b ms Acquired: 11/8/2013 19:05:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05015**	**4.0680**	**1.0229**	**1.0725**	**2.3149**	**.05220**	F **2.2921**	**128.09**	**.10650**	**.50389**
Stddev	.00099	.0028	.0016	.0030	.0024	.00007	.0065	.30	.00008	.00025
%RSD	1.9665	.06854	.15271	.27735	.10326	.13107	.28552	.23353	.07266	.05038
#1	.04946	4.0700	1.0240	1.0704	2.3165	.05225	2.2875	128.31	.10655	.50371
#2	.05085	4.0661	1.0218	1.0746	2.3132	.05216	2.2968	127.88	.10644	.50407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20750**	**.27044**	**2.4636**	**74.703**	**1.0549**	**70.090**	**.79160**	**1.0379**	**78.399**	**.50449**
Stddev	.00011	.00037	.0120	.155	.0003	.034	.00143	.0034	.087	.00045
%RSD	.05350	.13714	.48692	.20694	.03269	.04870	.18114	.32240	.11103	.09003
#1	.20758	.27070	2.4721	74.812	1.0547	70.066	.79059	1.0356	78.337	.50417
#2	.20742	.27018	2.4551	74.593	1.0551	70.114	.79262	1.0403	78.461	.50481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.625**	**.49761**	**17.507**	**.50999**	**2.0081**	**20.998**	**44.935**	W **2.0061**	**1.3988**	**1.0369**
Stddev	.017	.00008	.027	.00284	.0069	.058	.124	.0035	.0023	.0021
%RSD	.14936	.01540	.15686	.55604	.34548	.27491	.27491	.17304	.16737	.20436
#1	11.612	.49756	17.488	.50798	2.0130	21.038	45.022	2.0037	1.4005	1.0354
#2	11.637	.49767	17.527	.51199	2.0032	20.957	44.848	2.0086	1.3972	1.0384
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0820**	**1.9423**	**2.2178**	**.53823**	**.52610**	**.52958**
Stddev	.0011	.0032	.0123	.00076	.00241	.00002
%RSD	.10530	.16516	.55339	.14126	.45833	.00387
#1	1.0812	1.9446	2.2092	.53770	.52440	.52960
#2	1.0828	1.9401	2.2265	.53877	.52781	.52957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7674.5**	**95638.**	**8096.3**
Stddev	24.2	440.	50.1
%RSD	.31537	.45954	.61940
#1	7691.6	95949.	8060.9
#2	7657.3	95327.	8131.8

Sample Name: 280-48829-a-1-c msd Acquired: 11/8/2013 19:07:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04995**	**4.0675**	**1.0076**	**1.0519**	**2.2562**	**.05091**	F **2.2564**	**123.82**	**.10439**	**.49315**
Stddev	.00017	.0376	.0006	.0006	.0024	.00015	.0026	.11	.00027	.00070
%RSD	.33343	.92520	.05908	.05526	.10543	.29587	.11469	.08624	.25601	.14105
#1	.05007	4.0941	1.0080	1.0524	2.2579	.05102	2.2582	123.89	.10458	.49364
#2	.04983	4.0409	1.0071	1.0515	2.2545	.05080	2.2546	123.74	.10420	.49265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20382**	**.26407**	**2.4620**	**72.597**	**1.0305**	**68.261**	**.76872**	**1.0154**	**76.392**	**.49511**
Stddev	.00000	.00123	.0062	.080	.0039	.208	.00216	.0020	.110	.00140
%RSD	.00017	.46457	.25084	.11066	.37372	.30492	.28152	.19377	.14377	.28310
#1	.20382	.26494	2.4664	72.654	1.0332	68.408	.77025	1.0168	76.469	.49610
#2	.20382	.26320	2.4576	72.541	1.0277	68.113	.76719	1.0141	76.314	.49412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.364**	**.48775**	**16.826**	**.49719**	**1.9678**	**20.514**	**43.900**	**1.9663**	**1.3607**	**1.0124**
Stddev	.021	.00009	.013	.00218	.0005	.019	.041	.0031	.0014	.0025
%RSD	.18446	.01786	.07662	.43913	.02669	.09256	.09256	.15502	.10413	.24306
#1	11.350	.48781	16.835	.49873	1.9674	20.527	43.928	1.9641	1.3617	1.0141
#2	11.379	.48769	16.816	.49564	1.9681	20.500	43.871	1.9684	1.3597	1.0107
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0528**	**1.9109**	**2.1807**	**.52467**	**.51191**	**.51342**
Stddev	.0009	.0035	.0069	.00196	.00129	.00240
%RSD	.08377	.18225	.31500	.37383	.25209	.46745
#1	1.0521	1.9133	2.1759	.52328	.51283	.51512
#2	1.0534	1.9084	2.1856	.52605	.51100	.51173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7667.5**	**96315.**	**8141.2**
Stddev	12.4	490.	33.6
%RSD	.16230	.50850	.41275
#1	7658.7	95969.	8117.4
#2	7676.3	96661.	8164.9

Sample Name: 280-48829-a-2-a Acquired: 11/8/2013 19:09:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**10.938**	**.00760**	**.03187**	**.16468**	**.00048**	**-.00809**	**63.476**	**.00075**	**.00378**
Stddev	.00084	.020	.00070	.00095	.00029	.00007	.00407	.173	.00003	.00012
%RSD	272.91	.18424	9.1513	2.9909	.17787	14.766	50.321	.27296	3.5892	3.2729
#1	-.00090	10.924	.00711	.03254	.16489	.00053	-.00521	63.598	.00073	.00370
#2	.00029	10.952	.00810	.03120	.16447	.00043	-.01097	63.353	.00077	.00387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01166**	**.01459**	**10.190**	**11.597**	**.01268**	**14.866**	**1.0455**	**.00681**	**9.5105**	**.01295**
Stddev	.00019	.00009	.042	.036	.00013	.081	.0014	.00004	.0164	.00001
%RSD	1.6020	.62044	.40947	.31241	1.0356	.54270	.13856	.52327	.17242	.09130
#1	.01179	.01452	10.220	11.571	.01277	14.923	1.0465	.00679	9.5221	.01296
#2	.01152	.01465	10.161	11.622	.01259	14.809	1.0445	.00684	9.4989	.01294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75496**	**.00843**	**18.734**	**-.00128**	**.00147**	**27.030**	**57.843**	**.00150**	**.24176**	**.00481**
Stddev	.00057	.00053	.020	.00048	.00291	.080	.170	.00045	.00026	.00152
%RSD	.07612	6.2828	.10643	37.456	197.50	.29438	.29438	30.042	.10565	31.506
#1	.75537	.00881	18.720	-.00094	-.00058	27.086	57.964	.00119	.24194	.00589
#2	.75455	.00806	18.748	-.00162	.00353	26.973	57.723	.00182	.24158	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16686**	**.00045**	**-.04534**	**.02512**	**.06500**	**.00627**
Stddev	.00021	.00068	.00113	.00025	.00050	.00150
%RSD	.12728	150.77	2.4874	.99256	.76236	24.004
#1	.16671	-.00003	-.04455	.02494	.06535	.00520
#2	.16701	.00094	-.04614	.02529	.06465	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.3**	**100000.**	**8324.3**
Stddev	9.5	286.	93.5
%RSD	.11856	.28640	1.1229
#1	8012.6	99800.	8258.2
#2	8026.0	100210.	8390.4

Sample Name: 280-48829-a-3-a Acquired: 11/8/2013 19:12:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**25.508**	**.01140**	**.03873**	**.31599**	**.00117**	**-.01240**	**34.671**	**.00117**	**.01036**
Stddev	.00012	.059	.00171	.00017	.00052	.00002	.00282	.004	.00006	.00002
%RSD	13.261	.23124	15.001	.43961	.16358	2.0797	22.731	.01092	5.1186	.14768
#1	-.00085	25.549	.01019	.03861	.31563	.00115	-.01040	34.674	.00113	.01037
#2	-.00102	25.466	.01261	.03885	.31636	.00119	-.01439	34.669	.00122	.01035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02676**	**.03043**	**25.049**	**19.200**	**.02333**	**12.925**	**.48730**	**.01076**	**2.4648**	**.03100**
Stddev	.00002	.00005	.055	.030	.00233	.001	.00104	.00028	.0068	.00014
%RSD	.08515	.15950	.21784	.15687	9.9923	.00852	.21423	2.6268	.27526	.44526
#1	.02675	.03047	25.010	19.179	.02168	12.925	.48656	.01096	2.4600	.03110
#2	.02678	.03040	25.087	19.221	.02497	12.926	.48804	.01056	2.4696	.03090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0022**	**.01591**	**10.146**	**-.00277**	**.00292**	W **53.922**	**115.39**	**.00178**	**.13896**	**.01047**
Stddev	.0036	.00050	.024	.00309	.00064	.059	.13	.00104	.00006	.00085
%RSD	.17738	3.1354	.23357	111.52	21.889	.10895	.10895	58.710	.04542	8.0786
#1	1.9997	.01556	10.162	-.00059	.00247	53.964	115.48	.00251	.13891	.01107
#2	2.0047	.01627	10.129	-.00496	.00337	53.881	115.30	.00104	.13900	.00987
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37362**	**.00029**	W **-.05817**	**.05832**	**.11856**	**.01453**
Stddev	.00003	.00251	.00829	.00003	.00088	.00037
%RSD	.00812	872.86	14.251	.04330	.74529	2.5521
#1	.37364	.00207	-.06403	.05831	.11794	.01479
#2	.37360	-.00149	-.05230	.05834	.11919	.01427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8070.4**	**100410.**	**8342.0**
Stddev	37.0	70.	29.7
%RSD	.45807	.06999	.35585
#1	8096.6	100360.	8363.0
#2	8044.3	100460.	8321.0

Sample Name: CCVH-2357613 Acquired: 11/8/2013 19:14:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**51.324**	**.00343**	**.00633**	**.00047**	**.00009**	**.99674**	**.01624**	**-.00013**	**-.00074**	**-.00009**	**.00690**	**48.782**
Stddev	.00056	.042	.00035	.00017	.00007	.00010	.00407	.00217	.00021	.00016	.00014	.00035	.144
%RSD	21.657	.08201	10.205	2.6335	15.639	104.87	.40811	13.375	158.18	21.870	155.84	5.0437	.29540
#1	.00300	51.294	.00318	.00644	.00052	.00002	.99962	.01471	-.00028	-.00063	.00001	.00666	48.884
#2	.00220	51.354	.00367	.00621	.00042	.00016	.99386	.01778	.00002	-.00086	-.00019	.00715	48.680
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09398**	**.00109**	**.08526**	**.00046**	**-.00036**	**256.87**	**-.00021**	**.00211**	**.00223**	**4.9661**	**.00130**	**.00170**	**.04170**
Stddev	.02834	.00107	.00452	.00003	.00046	.34	.00019	.00120	.00029	.0019	.00068	.00170	.00130
%RSD	30.153	98.209	5.2963	5.9079	127.02	.13358	92.175	57.024	12.890	.03861	52.093	99.644	3.1133
#1	.11401	.00184	.08207	.00044	-.00069	256.63	-.00035	.00296	.00243	4.9675	.00178	.00290	.04078
#2	.07394	.00033	.08845	.00048	-.00004	257.11	-.00007	.00126	.00203	4.9648	.00082	.00050	.04262
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08924**	**.00033**	**.00037**	**4.8714**	**-.00494**	**.00217**	**10.292**	**.00068**	**.00218**	**.01402**
Stddev	.00278	.00030	.00010	.0121	.00041	.00152	.030	.00016	.00020	.00058
%RSD	3.1133	89.962	26.192	.24892	8.3111	69.975	.29407	24.042	9.2913	4.1526
#1	.08728	.00054	.00030	4.8800	-.00523	.00110	10.271	.00080	.00233	.01361
#2	.09121	.00012	.00044	4.8628	-.00465	.00325	10.313	.00057	.00204	.01444
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7679.0**	**95182.**	**8032.2**
Stddev	6.9	12.	36.9
%RSD	.08931	.01227	.45994
#1	7683.8	95174.	8006.1
#2	7674.1	95190.	8058.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 19:16:44 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49950**	**.52497**	**.99515**	**.50530**	**.51023**	**.50551**	**.00445**	**5.1040**	**.50682**	**.51128**	**.50365**	**.51137**	**2.4527**
Stddev	.00039	.00163	.00031	.00062	.00081	.00002	.00175	.0218	.00016	.00021	.00012	.00039	.0009
%RSD	.07733	.31008	.03098	.12184	.15911	.00494	39.370	.42706	.03115	.04163	.02400	.07685	.03643
#1	.49978	.52612	.99493	.50573	.50966	.50552	.00568	5.1194	.50671	.51143	.50374	.51165	2.4534
#2	.49923	.52382	.99537	.50486	.51080	.50549	.00321	5.0886	.50693	.51113	.50357	.51109	2.4521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.735**	**1.0164**	**19.937**	**.50737**	**.50739**	**5.3799**	**.51208**	**.99240**	**1.0361**	**.00403**	**1.0179**	**.99077**	**5.0041**
Stddev	.060	.0006	.028	.00009	.00313	.0081	.00397	.00526	.0059	.00149	.0085	.00498	.0022
%RSD	.11520	.06294	.14160	.01793	.61666	.15137	.77535	.53033	.57357	36.905	.83453	.50302	.04460
#1	51.777	1.0169	19.956	.50730	.50960	5.3856	.51489	.99613	1.0403	.00508	1.0239	.99430	5.0025
#2	51.693	1.0160	19.917	.50743	.50517	5.3741	.50927	.98868	1.0319	.00298	1.0119	.98725	5.0057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.709**	**1.0079**	**.50698**	**-.00363**	**.51113**	**1.0365**	**.03000**	**.51061**	**.50903**	**.50719**
Stddev	.005	.0060	.00028	.00094	.00012	.0057	.00483	.00243	.00163	.00078
%RSD	.04460	.59124	.05498	25.972	.02388	.54876	16.099	.47553	.32008	.15358
#1	10.705	1.0121	.50679	-.00296	.51105	1.0405	.03341	.50889	.50788	.50664
#2	10.712	1.0037	.50718	-.00429	.51122	1.0324	.02658	.51232	.51019	.50774
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7979.6**	**99803.**	**8121.1**
Stddev	8.6	11.	4.7
%RSD	.10778	.01094	.05840
#1	7985.7	99811.	8117.7
#2	7973.5	99795.	8124.4

Sample Name: CCB Acquired: 11/8/2013 19:18:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00351**	**.00166**	**.00228**	**.00002**	**.00012**	**-.00022**	**.00236**	**.00022**	**-.00003**	**.00010**	**-.00005**
Stddev	.00014	.00019	.00068	.00023	.00021	.00002	.00337	.00185	.00001	.00001	.00005	.00030
%RSD	36.488	5.3730	40.681	10.233	1095.1	14.825	1532.1	78.590	6.3423	32.902	52.294	567.69
#1	-.00048	.00338	.00214	.00212	.00017	.00010	.00216	.00367	.00023	-.00002	.00006	.00016
#2	-.00028	.00364	.00118	.00245	-.00013	.00013	-.00260	.00105	.00021	-.00004	.00013	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00728**	**.11050**	**.00087**	**.00533**	**.00004**	**.00058**	**.08448**	**.00004**	**.00022**	**.00137**	**.01089**	F **.00964**
Stddev	.00030	.01368	.00205	.00013	.00010	.00010	.01036	.00015	.00090	.00008	.00474	.00061
%RSD	4.1411	12.380	236.25	2.5144	246.16	16.517	12.257	354.25	412.56	5.5463	43.498	6.3593
#1	.00707	.12017	-.00058	.00542	.00011	.00065	.07716	-.00006	-.00042	.00131	.01424	.00921
#2	.00749	.10082	.00231	.00523	-.00003	.00051	.09181	.00015	.00086	.00142	.00754	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.01596**	**.03415**	**.00102**	**.00010**	**.00122**	**.00017**	**.00026**	**-.02874**	**-.00006**	**.00367**	**-.00002**
Stddev	.00321	.00885	.01894	.00026	.00001	.00103	.00045	.00007	.01932	.00001	.00007	.00200
%RSD	51.082	55.462	55.462	25.086	7.9311	84.927	260.80	25.171	67.228	9.3368	1.9238	10913.
#1	.00856	.00970	.02076	.00120	.00010	.00195	-.00015	.00022	-.04240	-.00007	.00362	.00140
#2	.00402	.02222	.04755	.00084	.00009	.00049	.00049	.00031	-.01508	-.00006	.00372	-.00143
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7915.0**	**100380.**	**8043.8**
Stddev	4.5	26.	25.3
%RSD	.05741	.02605	.31497
#1	7918.2	100360.	8061.7
#2	7911.8	100400.	8025.9

Sample Name: CCVL2367586 Acquired: 11/8/2013 19:21:08 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00987**	**.11192**	**.01705**	**.09972**	**.01058**	**.00114**	**.12231**	**.22095**	**.00548**	**.01076**	**.01068**	**.01594**	**.10797**	**3.1063**
Stddev	.00015	.00009	.00076	.00050	.00003	.00004	.00136	.00082	.00003	.00026	.00017	.00004	.00151	.0283
%RSD	1.5003	.07865	4.4724	.50194	.27089	3.4377	1.1086	.36999	.46832	2.3766	1.5576	.25883	1.3986	.91001
#1	.00998	.11186	.01759	.09936	.01056	.00116	.12135	.22037	.00547	.01094	.01080	.01591	.10904	3.1263
#2	.00977	.11198	.01651	.10007	.01060	.00111	.12327	.22153	.00550	.01058	.01056	.01597	.10691	3.0864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00847**	**.21159**	**.01055**	**.02056**	**1.1677**	**.04266**	**2.9076**	**.01095**	**.00577**	**.01038**	**.01687**	**.50065**	**1.0714**	**.10553**
Stddev	.00119	.00093	.00004	.00007	.0045	.00018	.0028	.00003	.00174	.00008	.00116	.01146	.0245	.00071
%RSD	14.086	.43959	.37551	.34131	.38136	.41225	.09624	.25442	30.062	.81165	6.8667	2.2884	2.2884	.67316
#1	.00763	.21225	.01052	.02061	1.1708	.04253	2.9056	.01097	.00700	.01032	.01769	.49255	1.0540	.10603
#2	.00932	.21093	.01058	.02051	1.1645	.04278	2.9096	.01093	.00455	.01043	.01605	.50875	1.0887	.10502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.01519**	**.01052**	**.01628**	**.06434**	**.01033**	**.02570**	**.01402**
Stddev	.00002	.00108	.00016	.00014	.04959	.00036	.00031	.00230
%RSD	.17655	7.0993	1.5464	.86617	77.072	3.4909	1.1986	16.443
#1	.01053	.01443	.01041	.01638	.09941	.01058	.02548	.01239
#2	.01055	.01595	.01064	.01618	.02928	.01007	.02592	.01565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8088.9**	**102580.**	**8266.6**
Stddev	20.6	56.	34.5
%RSD	.25444	.05476	.41769
#1	8074.4	102540.	8291.0
#2	8103.5	102620.	8242.1

Sample Name: 280-48832-a-2-a Acquired: 11/8/2013 19:23:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00294**	**-.00060**	**.00230**	**.00040**	**.00024**	**.00276**	**.04950**	**.00015**	**-.00028**
Stddev	.00022	.00021	.00253	.00029	.00019	.00007	.00063	.00235	.00011	.00005
%RSD	49.890	7.1745	417.42	12.411	45.938	30.837	22.732	4.7391	69.170	17.406
#1	-.00028	.00309	-.00239	.00250	.00053	.00029	.00231	.04784	.00008	-.00032
#2	-.00059	.00279	.00118	.00210	.00027	.00019	.00320	.05116	.00023	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00029**	**.01434**	**.06266**	**.00189**	**.00743**	**.00028**	**-.00007**	**.16783**	**-.00002**
Stddev	.00008	.00015	.00159	.01720	.00047	.01092	.00019	.00006	.00845	.00001
%RSD	42.928	52.206	11.120	27.451	24.959	147.05	66.683	77.907	5.0351	63.487
#1	.00025	-.00040	.01321	.05050	.00156	.01515	.00041	-.00003	.16186	-.00003
#2	.00014	-.00018	.01547	.07482	.00223	-.00030	.00015	-.00011	.17381	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00053**	**.00792**	**-.00022**	**.00299**	**.02622**	**.05612**	**.00104**	**.00034**	**.00065**
Stddev	.00001	.00012	.00183	.00118	.00162	.00693	.01484	.00029	.00002	.00069
%RSD	.67907	22.652	23.082	546.68	54.192	26.438	26.438	27.583	5.1877	105.85
#1	.00142	.00061	.00663	-.00105	.00413	.03113	.06661	.00084	.00033	.00016
#2	.00144	.00044	.00921	.00062	.00184	.02132	.04563	.00124	.00036	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00024**	**.01800**	**-.00077**	**.00376**	**.00055**
Stddev	.00035	.00001	.00232	.00023	.00035	.00155
%RSD	142.21	4.3178	12.882	30.430	9.2667	283.03
#1	.00050	-.00023	.01636	-.00060	.00401	-.00055
#2	.00000	-.00024	.01964	-.00094	.00352	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8138.9**	**104870.**	**8419.1**
Stddev	.5	622.	40.6
%RSD	.00637	.59342	.48177
#1	8139.3	105310.	8390.5
#2	8138.5	104430.	8447.8

Sample Name: 280-48832-a-1-a Acquired: 11/8/2013 19:25:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.02297**	**.00403**	**3.2374**	**.08055**	**.00012**	**-.00078**	**170.66**	**.00041**	**.00033**
Stddev	.00029	.00072	.00277	.0030	.00014	.00013	.00251	.10	.00012	.00010
%RSD	105.09	3.1531	68.656	.09157	.17449	111.30	323.56	.06102	29.907	31.378
#1	-.00007	.02246	.00599	3.2353	.08045	.00021	.00100	170.74	.00050	.00041
#2	-.00048	.02348	.00208	3.2395	.08065	.00002	-.00255	170.59	.00033	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00168**	**5.0052**	**36.970**	**.00305**	**22.984**	**.82166**	**.00188**	**140.60**	**.00106**
Stddev	.00005	.00027	.0072	.003	.00098	.019	.00046	.00009	.42	.00010
%RSD	2.9338	16.005	.14458	.00699	32.221	.08439	.05609	4.6513	.29785	9.6109
#1	.00164	.00149	5.0103	36.971	.00374	22.998	.82199	.00194	140.31	.00113
#2	.00157	.00187	5.0001	36.968	.00235	22.970	.82134	.00182	140.90	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13403**	**.00129**	**46.976**	**.00124**	**.00178**	**2.0930**	**4.4790**	**.00018**	**.88906**	**-.00149**
Stddev	.00495	.00024	.013	.00226	.00464	.0058	.0124	.00014	.00024	.00033
%RSD	3.6927	18.776	.02726	182.22	259.97	.27604	.27604	78.077	.02728	22.381
#1	.13053	.00111	46.985	-.00036	-.00150	2.0971	4.4877	.00008	.88889	-.00173
#2	.13753	.00146	46.967	.00283	.00506	2.0889	4.4702	.00028	.88923	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**-.00002**	**-.00607**	**.00112**	**.00431**	**.00231**
Stddev	.00012	.00029	.01465	.00045	.00017	.00109
%RSD	30.902	1186.7	241.14	40.390	4.0146	47.216
#1	-.00029	.00018	.00428	.00080	.00418	.00308
#2	-.00046	-.00023	-.01643	.00144	.00443	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7814.7**	**98623.**	**8505.3**
Stddev	2.7	82.	29.0
%RSD	.03471	.08320	.34073
#1	7816.6	98681.	8484.9
#2	7812.8	98565.	8525.8

Sample Name: 280-48832-a-3-a Acquired: 11/8/2013 19:28:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.72469**	**-.00015**	**.02530**	**.02394**	**.00016**	**-.00242**	**.70193**	**.00009**	**-.00008**
Stddev	.00013	.00257	.00032	.00073	.00017	.00007	.00214	.00114	.00004	.00019
%RSD	68.354	.35505	212.62	2.8880	.70785	42.069	88.443	.16238	40.384	255.39
#1	-.00029	.72287	.00008	.02581	.02382	.00011	-.00393	.70274	.00011	-.00021
#2	-.00010	.72650	-.00038	.02478	.02406	.00021	-.00091	.70112	.00006	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00085**	**.35729**	**.76356**	**.00004**	**.99035**	**.01110**	**.00010**	**5.6277**	**.00044**
Stddev	.00005	.00037	.00310	.04411	.00099	.00225	.00018	.00003	.0113	.00022
%RSD	4.2436	43.185	.86804	5.7771	2602.0	.22703	1.6012	29.208	.20026	51.329
#1	.00110	.00059	.35510	.79475	-.00066	.99194	.01122	.00008	5.6197	.00060
#2	.00104	.00111	.35949	.73236	.00074	.98876	.01097	.00012	5.6356	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01389**	**.00104**	**.64266**	**.00000**	**.00083**	**3.3572**	**7.1844**	**.00159**	**.00865**	**.00016**
Stddev	.00061	.00066	.00458	.00196	.00078	.0149	.0319	.00086	.00011	.00164
%RSD	4.4184	63.415	.71243	43035.	93.514	.44436	.44436	53.860	1.2146	1009.2
#1	.01346	.00057	.63942	.00139	.00138	3.3678	7.2070	.00099	.00858	.00132
#2	.01432	.00150	.64590	-.00138	.00028	3.3467	7.1619	.00220	.00873	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.00082**	**.00003**	**.00069**	**.00515**	**.00082**
Stddev	.00037	.00119	.02934	.00021	.00031	.00265
%RSD	3.6013	145.92	112030.	30.153	6.1068	321.80
#1	.01054	.00166	-.02072	.00083	.00537	-.00105
#2	.01001	-.00003	.02077	.00054	.00493	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8142.0**	**103860.**	**8398.5**
Stddev	6.2	95.	1.9
%RSD	.07634	.09112	.02210
#1	8137.6	103800.	8399.8
#2	8146.4	103930.	8397.2

Sample Name: 280-48832-a-4-a Acquired: 11/8/2013 19:30:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.02443**	**.00302**	**.01588**	**.01153**	**.00007**	**.00025**	**.35952**	**.00011**	**-.00007**
Stddev	.00005	.00000	.00008	.00025	.00044	.00001	.00085	.00160	.00009	.00008
%RSD	20.693	.01638	2.6540	1.5453	3.7852	10.267	340.08	.44414	84.804	103.42
#1	-.00029	.02443	.00307	.01571	.01184	.00008	-.00035	.35839	.00004	-.00013
#2	-.00022	.02443	.00296	.01606	.01122	.00007	.00085	.36065	.00017	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00001**	**.01118**	**.37006**	**-.00097**	**.48238**	**.00266**	**.00009**	**1.2557**	**.00037**
Stddev	.00008	.00029	.00350	.01362	.00022	.00244	.00007	.00027	.0281	.00028
%RSD	65.186	4610.7	31.282	3.6793	22.618	.50647	2.5736	305.53	2.2369	75.930
#1	.00007	.00021	.01366	.37969	-.00081	.48411	.00261	.00028	1.2756	.00017
#2	.00019	-.00020	.00871	.36044	-.00112	.48066	.00271	-.00010	1.2358	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00103**	**.47770**	**.00053**	**.00041**	**2.1971**	**4.7018**	**.00017**	**.00417**	**.00148**
Stddev	.00167	.00057	.00654	.00073	.00156	.0256	.0549	.00007	.00008	.00032
%RSD	116.42	55.088	1.3698	138.92	383.07	1.1676	1.1676	43.417	1.8703	21.675
#1	.00261	.00143	.47307	.00001	.00151	2.1790	4.6630	.00011	.00412	.00126
#2	.00025	.00063	.48233	.00105	-.00070	2.2152	4.7406	.00022	.00423	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00009**	**.02287**	**.00005**	**.00406**	**.00169**
Stddev	.00026	.00069	.05596	.00075	.00007	.00071
%RSD	43.052	777.96	244.65	1513.6	1.7375	41.916
#1	.00042	-.00040	.06244	.00058	.00401	.00219
#2	.00080	.00058	-.01670	-.00048	.00410	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8097.4**	**103420.**	**8422.8**
Stddev	6.3	425.	93.7
%RSD	.07822	.41070	1.1120
#1	8092.9	103720.	8356.6
#2	8101.8	103120.	8489.1

Sample Name: 280-48832-a-5-a Acquired: 11/8/2013 19:32:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.41632**	**.00265**	**.45563**	**.02291**	**.00009**	**-.00199**	**44.701**	**.00000**	**-.00006**
Stddev	.00072	.00032	.00091	.00174	.00045	.00004	.00108	.022	.00001	.00025
%RSD	211.00	.07724	34.297	.38083	1.9668	44.528	54.425	.05012	217.14	410.88
#1	.00017	.41655	.00201	.45440	.02259	.00006	-.00123	44.717	.00001	.00012
#2	-.00085	.41609	.00329	.45686	.02322	.00011	-.00276	44.685	.00000	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00085**	**.04733**	**1.7204**	**.00115**	**4.0222**	**.13207**	**.00031**	**8.1032**	**.00046**
Stddev	.00002	.00056	.00115	.0092	.00334	.0023	.00008	.00019	.0146	.00042
%RSD	3.5328	66.011	2.4245	.53449	291.73	.05768	.05708	63.325	.18066	91.629
#1	.00057	.00045	.04814	1.7139	-.00122	4.0206	.13213	.00017	8.0928	.00016
#2	.00060	.00124	.04652	1.7269	.00351	4.0239	.13202	.00044	8.1135	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00999**	**.00062**	**22.046**	**.00030**	**-.00106**	**1.1696**	**2.5030**	**.00011**	**.15060**	**.00101**
Stddev	.00018	.00073	.042	.00028	.00158	.0183	.0391	.00007	.00019	.00090
%RSD	1.7761	118.01	.18844	93.151	149.48	1.5620	1.5620	66.707	.12581	89.270
#1	.01012	.00113	22.075	.00050	-.00217	1.1825	2.5306	.00006	.15074	.00165
#2	.00986	.00010	22.017	.00010	.00006	1.1567	2.4753	.00016	.15047	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00531**	**-.00027**	**-.03503**	**-.00013**	**.00338**	**.00091**
Stddev	.00011	.00103	.01812	.00020	.00037	.00040
%RSD	2.0106	382.02	51.730	153.83	10.843	43.332
#1	.00524	.00046	-.04784	.00001	.00364	.00119
#2	.00539	-.00099	-.02221	-.00027	.00313	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7870.8**	**100510.**	**8191.4**
Stddev	15.3	21.	34.3
%RSD	.19473	.02084	.41897
#1	7881.6	100530.	8167.1
#2	7860.0	100500.	8215.7

Sample Name: 280-48832-a-6-a Acquired: 11/8/2013 19:35:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.73033**	**.00519**	**8.7948**	**.05396**	**.00010**	**-.00112**	**128.55**	**.00073**	**.00145**
Stddev	.00022	.00112	.00286	.0041	.00047	.00011	.00203	.04	.00022	.00023
%RSD	39.288	.15268	55.164	.04711	.87956	114.84	180.89	.03375	30.659	15.574
#1	-.00041	.73112	.00317	8.7978	.05362	.00002	-.00256	128.52	.00057	.00161
#2	-.00073	.72955	.00722	8.7919	.05429	.00018	.00031	128.58	.00089	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00285**	**5.7580**	**63.743**	**.00409**	**35.518**	**1.1136**	**.00556**	**181.64**	**.00349**
Stddev	.00010	.00006	.0055	.146	.00138	.014	.0003	.00047	.21	.00017
%RSD	25.762	2.1339	.09465	.22894	33.631	.03971	.02519	8.5300	.11763	4.9444
#1	.00032	.00289	5.7541	63.639	.00312	35.508	1.1134	.00523	181.80	.00337
#2	.00046	.00281	5.7619	63.846	.00506	35.528	1.1138	.00590	181.49	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12025**	**.00204**	**102.18**	**.00033**	**-.00318**	**.88247**	**1.8885**	**.00024**	**.67736**	**-.00053**
Stddev	.00272	.00069	.07	.00044	.00166	.00545	.0117	.00100	.00158	.00334
%RSD	2.2589	33.589	.07281	133.22	52.100	.61804	.61804	421.95	.23306	630.38
#1	.11833	.00253	102.13	.00002	-.00201	.87862	1.8802	.00094	.67624	.00183
#2	.12217	.00156	102.24	.00064	-.00435	.88633	1.8967	-.00047	.67848	-.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00160**	**-.00473**	**.00205**	**.00407**	**.00187**
Stddev	.00018	.00069	.02315	.00022	.00027	.00023
%RSD	192.83	43.192	489.25	10.650	6.7361	12.326
#1	-.00022	.00111	-.02110	.00189	.00388	.00203
#2	.00003	.00209	.01164	.00220	.00426	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7834.4**	**98343.**	**8472.3**
Stddev	.1	25.	24.5
%RSD	.00158	.02569	.28860
#1	7834.5	98325.	8489.6
#2	7834.3	98360.	8455.0

Sample Name: 280-48832-a-7-a Acquired: 11/8/2013 19:37:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.36845**	**.00950**	**6.3881**	**.34183**	**.00013**	**-.00653**	**229.41**	**.00051**	**.00036**
Stddev	.00045	.00112	.00558	.0046	.00142	.00005	.00142	2.61	.00007	.00006
%RSD	108.23	.30312	58.713	.07244	.41588	40.041	21.696	1.1393	12.874	17.036
#1	-.00010	.36924	.00556	6.3848	.34083	.00009	-.00753	227.56	.00047	.00040
#2	-.00073	.36766	.01345	6.3913	.34284	.00017	-.00553	231.26	.00056	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00578**	**.00157**	**27.099**	**79.609**	**.00680**	**61.989**	**1.2990**	**.00212**	**230.48**	**.00176**
Stddev	.00012	.00011	.060	.118	.00028	.055	.0012	.00006	.34	.00014
%RSD	2.1559	7.1484	.22062	.14809	4.1041	.08797	.09212	3.0638	.14966	8.0250
#1	.00587	.00149	27.056	79.525	.00699	61.951	1.2999	.00207	230.72	.00166
#2	.00569	.00165	27.141	79.692	.00660	62.028	1.2982	.00216	230.24	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23681**	**.00021**	**29.655**	**-.00147**	**.00155**	**2.7355**	**5.8541**	**.00048**	**1.7410**	**.00006**
Stddev	.00237	.00130	.048	.00137	.00340	.0226	.0483	.00029	.0063	.00192
%RSD	1.0008	617.43	.16023	92.695	218.57	.82476	.82476	60.766	.36251	3001.9
#1	.23514	-.00071	29.622	-.00051	.00396	2.7196	5.8199	.00028	1.7365	.00142
#2	.23849	.00113	29.689	-.00244	-.00085	2.7515	5.8882	.00069	1.7454	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.00091**	**.00155**	**.00285**	**.00387**	**.00369**
Stddev	.00004	.00030	.02058	.00018	.00034	.00179
%RSD	1.1028	32.686	1324.8	6.1783	8.7030	48.527
#1	.00363	.00112	-.01300	.00273	.00411	.00242
#2	.00357	.00070	.01610	.00297	.00363	.00495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7561.3**	**94447.**	**8266.2**
Stddev	12.4	231.	88.7
%RSD	.16390	.24490	1.0724
#1	7570.0	94611.	8203.5
#2	7552.5	94284.	8328.9

Sample Name: CCVH-2357613 Acquired: 11/8/2013 19:39:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**51.266**	**.00364**	**.02711**	**.00004**	**.00011**	**.98834**	**.03910**	**.00007**	**-.00070**	**-.00036**	**.00666**	**48.572**
Stddev	.00020	.045	.00212	.00218	.00023	.00014	.00207	.00332	.00015	.00022	.00023	.00036	.337
%RSD	6.1194	.08752	58.186	8.0538	599.78	125.18	.20943	8.5036	219.48	31.699	64.147	5.3414	.69448
#1	.00338	51.297	.00513	.02865	.00020	.00001	.98980	.04145	.00018	-.00055	-.00052	.00641	48.810
#2	.00310	51.234	.00214	.02556	-.00012	.00021	.98688	.03675	-.00004	-.00086	-.00020	.00691	48.333
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26506**	**.00021**	**.08672**	**.00049**	**-.00027**	**256.49**	**.00035**	**.00959**	**-.00008**	**4.9516**	**.00205**	**-.00103**	**.03819**
Stddev	.00466	.00000	.00267	.00001	.00021	.22	.00023	.00218	.00064	.0327	.00247	.00068	.02066
%RSD	1.7586	1.2385	3.0733	1.8412	78.530	.08696	65.649	22.721	820.25	.66090	120.15	65.288	54.096
#1	.26177	.00021	.08483	.00049	-.00042	256.65	.00019	.01114	.00037	4.9747	.00380	-.00151	.05279
#2	.26836	.00020	.08860	.00048	-.00012	256.33	.00052	.00805	-.00053	4.9284	.00031	-.00056	.02358
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08172**	**.00028**	**.00064**	**4.8733**	**-.00464**	**.00141**	**10.283**	**.00130**	**.00169**	**.01213**
Stddev	.04421	.00029	.00005	.0051	.00000	.00153	.037	.00021	.00020	.00021
%RSD	54.096	104.66	7.5062	.10375	.01609	107.95	.35573	16.229	11.969	1.7502
#1	.11297	.00007	.00060	4.8769	-.00464	.00249	10.257	.00115	.00154	.01228
#2	.05046	.00048	.00067	4.8697	-.00463	.00033	10.309	.00145	.00183	.01198
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7669.4**	**94727.**	**8037.9**
Stddev	5.5	185.	3.5
%RSD	.07205	.19546	.04357
#1	7665.5	94596.	8040.4
#2	7673.3	94858.	8035.5

Sample Name: CCV-2357614 Acquired: 11/8/2013 19:41:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49818**	**.52111**	**.98668**	**.51190**	**.50852**	**.50250**	**.00193**	**5.0599**	**.50276**	**.50792**	**.49709**	**.51191**	**2.4171**
Stddev	.00003	.00599	.00416	.00382	.00117	.00159	.00050	.0220	.00252	.00256	.00322	.00004	.0117
%RSD	.00672	1.1489	.42153	.74664	.23001	.31632	25.913	.43538	.50035	.50348	.64861	.00775	.48472
#1	.49816	.51688	.98374	.50920	.50769	.50362	.00157	5.0755	.50098	.50611	.49481	.51188	2.4254
#2	.49821	.52535	.98962	.51461	.50934	.50137	.00228	5.0443	.50454	.50972	.49937	.51194	2.4088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.356**	**1.0128**	**19.720**	**.50445**	**.49765**	**5.4155**	**.50478**	**.98716**	**1.0212**	**.00938**	**1.0212**	**.99090**	**4.9521**
Stddev	.097	.0019	.017	.00050	.00266	.0374	.00230	.00573	.0049	.00042	.0099	.00679	.0110
%RSD	.18892	.18798	.08510	.09895	.53445	.68983	.45547	.57996	.47549	4.4602	.96570	.68491	.22275
#1	51.425	1.0114	19.709	.50410	.49577	5.4419	.50316	.98311	1.0177	.00908	1.0142	.98610	4.9443
#2	51.287	1.0141	19.732	.50480	.49953	5.3891	.50641	.99121	1.0246	.00967	1.0282	.99570	4.9599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.598**	**.99853**	**.50429**	**-.00312**	**.51082**	**1.0381**	**.01543**	**.50755**	**.49931**	**.50564**
Stddev	.024	.00933	.00033	.00067	.00052	.0053	.00445	.00227	.00066	.00196
%RSD	.22275	.93410	.06544	21.447	.10161	.50996	28.835	.44671	.13195	.38744
#1	10.581	.99194	.50452	-.00265	.51119	1.0344	.01858	.50915	.49977	.50702
#2	10.614	1.0051	.50406	-.00360	.51045	1.0419	.01229	.50595	.49884	.50425
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8092.9**	**101180.**	**8211.2**
Stddev	38.7	306.	135.6
%RSD	.47803	.30229	1.6516
#1	8120.2	100960.	8115.4
#2	8065.5	101400.	8307.1

Sample Name: CCB Acquired: 11/8/2013 19:44:03 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00257**	**.00206**	F **.01011**	**.00035**	**.00019**	**.00185**	**.00820**	**.00018**	**-.00025**	**.00015**	**-.00018**
Stddev	.00045	.00069	.00012	.00014	.00026	.00015	.00267	.00405	.00030	.00000	.00014	.00023
%RSD	197.62	26.752	6.0100	1.3830	75.029	79.050	143.87	49.351	168.07	.58185	95.086	122.50
#1	-.00055	.00305	.00215	.01021	.00016	.00030	.00374	.00534	.00039	-.00025	.00024	-.00002
#2	.00009	.00208	.00197	.01001	.00053	.00009	-.00003	.01106	-.00003	-.00024	.00005	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00632**	**.10542**	**.00036**	**.00395**	**.00016**	**.00044**	W **.10910**	**-.00020**	**.00284**	**.00056**	**.00583**	F **.00803**
Stddev	.00393	.02733	.00086	.00028	.00004	.00044	.02512	.00004	.00129	.00025	.00241	.00114
%RSD	62.141	25.928	240.32	7.0318	22.428	98.383	23.021	20.673	45.395	44.076	41.356	14.177
#1	.00354	.12475	-.00025	.00376	.00013	.00014	.09134	-.00017	.00376	.00073	.00754	.00723
#2	.00909	.08609	.00096	.00415	.00018	.00075	.12687	-.00023	.00193	.00038	.00413	.00884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00617**	**.01320**	**.00007**	**.00022**	**.00142**	**.00026**	**.00088**	**-.00701**	**-.00025**	**.00300**	**-.00124**
Stddev	.00110	.00194	.00415	.00014	.00009	.00013	.00011	.00095	.03581	.00030	.00003	.00032
%RSD	215.41	31.420	31.420	205.49	40.995	9.0390	42.566	108.87	510.79	120.07	.90085	25.476
#1	.00129	.00754	.01613	.00017	.00016	.00133	.00034	.00020	.01831	-.00004	.00298	-.00147
#2	-.00027	.00480	.01026	-.00003	.00029	.00151	.00018	.00155	-.03234	-.00045	.00302	-.00102
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8057.8**	**101890.**	**8221.5**
Stddev	13.5	54.	2.2
%RSD	.16734	.05271	.02685
#1	8048.2	101930.	8219.9
#2	8067.3	101850.	8223.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 19:46:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.10897**	**.01239**	**.10478**	**.01017**	**.00109**	**.12237**	**.21116**	**.00533**	**.01049**	**.01038**	**.01524**	**.10270**	**3.1418**
Stddev	.00013	.00043	.00178	.00023	.00005	.00004	.00294	.00152	.00016	.00014	.00002	.00034	.00034	.0008
%RSD	1.2461	.39835	14.392	.22203	.50016	4.0928	2.4029	.72156	2.9632	1.3597	.18729	2.2415	.32870	.02568
#1	.01040	.10928	.01365	.10495	.01021	.00113	.12445	.21224	.00522	.01059	.01039	.01548	.10246	3.1423
#2	.01022	.10866	.01113	.10462	.01014	.00106	.12029	.21008	.00544	.01039	.01037	.01500	.10294	3.1412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00863**	**.20521**	**.01044**	**.01995**	**1.1407**	**.04219**	**2.8614**	**.01030**	**.00712**	**.01183**	**.01693**	**.49412**	**1.0574**	**.10227**
Stddev	.00055	.00390	.00002	.00037	.0169	.00033	.0024	.00204	.00181	.00015	.00029	.00602	.0129	.00085
%RSD	6.3915	1.9016	.16003	1.8535	1.4834	.77844	.08288	19.784	25.369	1.2900	1.7151	1.2187	1.2187	.82642
#1	.00824	.20245	.01042	.02021	1.1288	.04196	2.8597	.00886	.00840	.01194	.01673	.49837	1.0665	.10167
#2	.00902	.20797	.01045	.01969	1.1527	.04242	2.8631	.01174	.00585	.01173	.01714	.48986	1.0483	.10286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.01412**	**.01026**	**.01739**	**.05371**	**.00982**	**.02369**	**.01582**
Stddev	.00006	.00131	.00027	.00070	.05400	.00031	.00028	.00320
%RSD	.58623	9.3101	2.6510	4.0383	100.53	3.1797	1.1722	20.255
#1	.01026	.01319	.01007	.01789	.01553	.00960	.02388	.01355
#2	.01018	.01505	.01045	.01689	.09190	.01004	.02349	.01809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**102710.**	**8251.1**
Stddev	19.1	622.	48.7
%RSD	.23681	.60545	.59035
#1	8084.7	103150.	8285.6
#2	8057.7	102270.	8216.7

Sample Name: mb 280-199600/1-a Acquired: 11/8/2013 19:48:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00839**	**.00156**	**.01452**	**.00039**	**.00012**	**-.00091**	**.04102**	**.00019**	**-.00010**
Stddev	.00003	.00025	.00159	.00082	.00013	.00005	.00071	.00161	.00017	.00014
%RSD	11.908	2.9453	102.02	5.6610	32.640	44.315	78.705	3.9183	89.537	148.30
#1	-.00026	.00821	.00268	.01510	.00048	.00008	-.00141	.03989	.00031	.00000
#2	-.00031	.00856	.00043	.01394	.00030	.00015	-.00040	.04216	.00007	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00014**	**.01301**	**.10880**	**-.00055**	**.00701**	**.00026**	**.00023**	**.11442**	**.00015**
Stddev	.00006	.00013	.00051	.05368	.00111	.00265	.00002	.00004	.00296	.00034
%RSD	16.298	97.107	3.9041	49.336	202.81	37.808	8.6714	15.505	2.5890	234.52
#1	.00031	.00023	.01337	.14676	-.00133	.00889	.00028	.00025	.11652	.00039
#2	.00039	.00004	.01265	.07085	.00024	.00514	.00025	.00020	.11233	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.00015**	**.01397**	**.00062**	**-.00017**	**.04660**	**.09972**	**.00338**	**.00013**	**.00114**
Stddev	.00074	.00022	.00143	.00090	.00069	.00587	.01256	.00006	.00008	.00001
%RSD	24.092	148.87	10.216	146.44	418.55	12.596	12.596	1.8486	59.261	.45747
#1	.00254	-.00001	.01498	-.00002	.00033	.05075	.10860	.00342	.00018	.00114
#2	.00359	.00030	.01296	.00125	-.00066	.04245	.09084	.00334	.00008	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00075**	**-.04016**	**-.00038**	**.00453**	**.00084**
Stddev	.00025	.00114	.01077	.00038	.00012	.00144
%RSD	64.763	150.78	26.822	100.80	2.5576	172.60
#1	.00057	-.00156	-.04778	-.00011	.00461	-.00018
#2	.00021	.00005	-.03254	-.00065	.00445	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8165.4**	**104290.**	**8473.7**
Stddev	1.3	220.	86.8
%RSD	.01634	.21082	1.0246
#1	8164.5	104450.	8412.4
#2	8166.3	104130.	8535.1

Sample Name: lcs 280-199600/2-a Acquired: 11/8/2013 19:50:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04564**	**1.9590**	**.95154**	F **1.1336**	**1.9879**	**.04860**	**2.1788**	**48.035**	**.10054**	**.48212**
Stddev	.00017	.0024	.00158	.0002	.0022	.00021	.0033	.053	.00025	.00003
%RSD	.38062	.12521	.16631	.01467	.11124	.43213	.15289	.11074	.24791	.00577
#1	.04552	1.9572	.95266	1.1337	1.9894	.04845	2.1811	48.072	.10037	.48214
#2	.04576	1.9607	.95042	1.1335	1.9863	.04875	2.1764	47.997	.10072	.48210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19478**	**.25118**	**.95072**	**50.105**	**.98346**	**46.983**	**.48306**	**.97479**	**52.004**	**.47937**
Stddev	.00042	.00000	.00602	.064	.00348	.080	.00099	.00379	.615	.00067
%RSD	.21390	.00065	.63279	.12693	.35346	.16925	.20391	.38898	1.1819	.13911
#1	.19507	.25118	.94646	50.060	.98592	46.927	.48237	.97747	51.569	.47985
#2	.19448	.25118	.95497	50.150	.98100	47.039	.48376	.97211	52.439	.47890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6284**	**.47875**	**.01027**	**.48437**	**1.8804**	**1.6986**	**3.6349**	**1.9235**	**.98321**	**.97680**
Stddev	.0137	.00065	.00068	.00166	.0021	.0032	.0069	.0036	.00050	.00339
%RSD	.14188	.13616	6.6267	.34212	.11322	.19057	.19057	.18860	.05113	.34754
#1	9.6381	.47829	.00979	.48554	1.8789	1.7008	3.6398	1.9209	.98356	.97440
#2	9.6188	.47921	.01075	.48319	1.8819	1.6963	3.6300	1.9260	.98285	.97920
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99722**	**1.9103**	**2.0927**	**.49593**	**.47551**	**.50074**
Stddev	.00053	.0021	.0029	.00178	.00193	.00415
%RSD	.05298	.11202	.14073	.35925	.40487	.82844
#1	.99685	1.9088	2.0906	.49467	.47414	.49780
#2	.99759	1.9118	2.0948	.49719	.47687	.50367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7773.1**	**97973.**	**8258.5**
Stddev	8.9	115.	37.0
%RSD	.11464	.11742	.44845
#1	7779.4	97892.	8284.7
#2	7766.8	98054.	8232.3

Sample Name: 280-48651-a-1-a Acquired: 11/8/2013 19:53:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**67.359**	**.00245**	**.02304**	**.17134**	**.00211**	**-.01446**	**4.7360**	**.00207**	**.02499**
Stddev	.00022	.177	.00131	.00031	.00075	.00016	.00306	.0059	.00004	.00027
%RSD	46.946	.26272	53.501	1.3309	.44057	7.7232	21.134	.12473	2.0112	1.0724
#1	-.00061	67.234	.00338	.02325	.17187	.00200	-.01230	4.7402	.00210	.02480
#2	-.00031	67.484	.00152	.02282	.17080	.00223	-.01662	4.7318	.00204	.02518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06130**	**.04483**	**70.229**	**7.5516**	**.12533**	**20.052**	**.57288**	**.00116**	**.24534**	**.08238**
Stddev	.00053	.00011	.146	.0149	.00034	.010	.00047	.00004	.01619	.00090
%RSD	.86560	.23584	.20735	.19728	.27170	.04766	.08228	3.5521	6.5992	1.0977
#1	.06092	.04476	70.126	7.5621	.12509	20.046	.57255	.00119	.25679	.08174
#2	.06167	.04491	70.332	7.5410	.12558	20.059	.57322	.00113	.23390	.08302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0630**	**.05702**	**.72944**	**.00249**	**.00258**	**2.9604**	**6.3353**	**.00570**	**.02286**	**.01625**
Stddev	.0205	.00142	.00441	.00044	.00189	.0310	.0664	.00003	.00018	.00103
%RSD	.99316	2.4978	.60479	17.681	73.365	1.0481	1.0481	.49366	.78117	6.3246
#1	2.0485	.05601	.72632	.00217	.00392	2.9385	6.2883	.00572	.02274	.01553
#2	2.0774	.05803	.73256	.00280	.00124	2.9823	6.3822	.00568	.02299	.01698
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31144**	**-.00020**	**-.04908**	**.07976**	**.92646**	**.00997**
Stddev	.00120	.00014	.03115	.00082	.00323	.00044
%RSD	.38449	65.938	63.464	1.0325	.34878	4.4503
#1	.31060	-.00011	-.02705	.07918	.92875	.00966
#2	.31229	-.00030	-.07110	.08034	.92418	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.7**	**102920.**	**8716.2**
Stddev	25.0	61.	17.9
%RSD	.29858	.05915	.20530
#1	8348.0	102960.	8703.5
#2	8383.3	102880.	8728.8

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/8/2013 19:55:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**14.004**	**.00172**	**.00952**	**.03558**	**.00049**	**-.00176**	**1.0054**	**.00075**	**.00514**
Stddev	.00019	.011	.00100	.00004	.00024	.00007	.00038	.0016	.00003	.00006
%RSD	89.900	.07805	57.824	.42798	.68803	14.249	21.413	.15487	3.8238	1.2011
#1	-.00034	13.996	.00242	.00949	.03541	.00054	-.00149	1.0043	.00077	.00518
#2	-.00008	14.012	.00102	.00955	.03575	.00044	-.00203	1.0065	.00073	.00509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01264**	**.00918**	**13.624**	**1.5508**	**.02777**	**4.0948**	**.11732**	**.00042**	**.07376**	**.01708**
Stddev	.00008	.00001	.009	.0042	.00011	.0226	.00017	.00016	.01352	.00003
%RSD	.60552	.11173	.06917	.27166	.39001	.55213	.14276	38.433	18.329	.18792
#1	.01258	.00919	13.617	1.5538	.02769	4.1107	.11720	.00054	.06420	.01710
#2	.01269	.00918	13.630	1.5479	.02785	4.0788	.11744	.00031	.08332	.01706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42283**	**.01294**	**.15422**	**.00055**	**.00157**	**.66516**	**1.4234**	**.00365**	**.00482**	**.00282**
Stddev	.00119	.00035	.00293	.00313	.00408	.00158	.0034	.00110	.00014	.00032
%RSD	.28255	2.7046	1.8978	570.11	259.67	.23798	.23798	30.186	3.0074	11.470
#1	.42199	.01270	.15215	-.00167	.00445	.66628	1.4258	.00287	.00472	.00259
#2	.42368	.01319	.15629	.00277	-.00131	.66404	1.4210	.00443	.00492	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06442**	**-.00032**	**-.01920**	**.01622**	**.19419**	**.00288**
Stddev	.00444	.00084	.02719	.00045	.00232	.00099
%RSD	6.8885	259.74	141.62	2.8041	1.1959	34.246
#1	.06128	.00027	.00003	.01590	.19583	.00218
#2	.06756	-.00092	-.03842	.01654	.19255	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8198.9**	**101970.**	**8376.3**
Stddev	23.8	79.	16.4
%RSD	.29023	.07734	.19568
#1	8215.8	102020.	8364.7
#2	8182.1	101910.	8387.9

Sample Name: 280-48651-a-1-b ms Acquired: 11/8/2013 19:57:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04590**	**112.22**	**.92208**	**.93737**	**2.1946**	**.04964**	F **2.0778**	**51.156**	**.09891**	**.48645**
Stddev	.00060	.16	.00100	.00116	.0019	.00005	.0040	.041	.00007	.00084
%RSD	1.2987	.14450	.10828	.12322	.08551	.10784	.19079	.07986	.06590	.17295
#1	.04632	112.34	.92279	.93655	2.1933	.04961	2.0806	51.185	.09896	.48705
#2	.04548	112.11	.92138	.93818	2.1960	.04968	2.0750	51.127	.09887	.48586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28127**	**.29530**	**78.663**	**69.085**	**1.1030**	**70.828**	**1.0676**	**.91252**	**50.870**	**.54273**
Stddev	.00069	.00090	.077	.118	.0026	.126	.0015	.00044	.024	.00076
%RSD	.24408	.30389	.09804	.17010	.23253	.17814	.14304	.04841	.04799	.13939
#1	.28079	.29594	78.608	69.168	1.1012	70.917	1.0687	.91221	50.852	.54219
#2	.28176	.29467	78.717	69.002	1.1048	70.739	1.0665	.91284	50.887	.54326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.081**	**.49740**	**.88250**	**.27111**	**1.7918**	**7.3074**	**15.638**	**1.7542**	**.99333**	**.91709**
Stddev	.014	.00024	.00224	.00171	.0045	.1665	.356	.0039	.00098	.00395
%RSD	.12681	.04906	.25434	.63160	.24951	2.2781	2.2781	.22160	.09874	.43099
#1	11.071	.49757	.88408	.26990	1.7886	7.4252	15.890	1.7514	.99264	.91989
#2	11.091	.49723	.88091	.27232	1.7949	7.1897	15.386	1.7569	.99403	.91430
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4872**	**1.7811**	**1.9931**	**.64365**	**1.3459**	**.40903**
Stddev	.0036	.0038	.0064	.00073	.0038	.00211
%RSD	.24412	.21265	.32263	.11275	.27962	.51486
#1	1.4847	1.7784	1.9886	.64416	1.3486	.41051
#2	1.4898	1.7837	1.9977	.64314	1.3433	.40754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8097.1**	**99053.**	**8552.0**
Stddev	8.7	270.	50.4
%RSD	.10703	.27247	.58905
#1	8103.2	98862.	8516.4
#2	8091.0	99243.	8587.6

Sample Name: 280-48651-a-1-c msd Acquired: 11/8/2013 19:59:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04507**	**101.38**	**.91013**	**.93450**	**2.1561**	**.04910**	F **2.0551**	**50.409**	**.09789**	**.47922**
Stddev	.00029	.28	.00070	.00139	.0007	.00005	.0026	.031	.00028	.00009
%RSD	.64033	.27290	.07745	.14869	.03178	.09529	.12540	.06052	.29099	.01954
#1	.04527	101.18	.91063	.93548	2.1557	.04914	2.0569	50.387	.09809	.47929
#2	.04486	101.57	.90963	.93352	2.1566	.04907	2.0533	50.431	.09769	.47916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27030**	**.28486**	**66.213**	**66.874**	**1.0913**	**67.544**	**.99184**	**.91299**	**50.028**	**.52590**
Stddev	.00005	.00119	.042	.303	.0022	.126	.00118	.00248	.130	.00086
%RSD	.01953	.41610	.06310	.45367	.19925	.18631	.11913	.27214	.26052	.16416
#1	.27033	.28402	66.242	66.659	1.0928	67.455	.99101	.91475	49.936	.52529
#2	.27026	.28569	66.183	67.088	1.0898	67.633	.99268	.91123	50.120	.52651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.694**	**.47820**	**.80950**	**.27481**	**1.7785**	**6.8725**	**14.707**	**1.7467**	**.98362**	**.91032**
Stddev	.001	.00087	.00081	.00171	.0007	.0596	.128	.0020	.00102	.00158
%RSD	.01232	.18194	.10036	.62149	.03707	.86739	.86739	.11208	.10332	.17393
#1	10.693	.47759	.81008	.27360	1.7780	6.9146	14.797	1.7453	.98290	.91144
#2	10.695	.47882	.80893	.27602	1.7789	6.8303	14.617	1.7481	.98434	.90920
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4773**	**1.7681**	**1.9227**	**.62017**	**1.1961**	**.42193**
Stddev	.0178	.0013	.0281	.00053	.0004	.00247
%RSD	1.2028	.07493	1.4614	.08562	.03091	.58610
#1	1.4898	1.7672	1.9028	.61980	1.1958	.42019
#2	1.4647	1.7691	1.9426	.62055	1.1964	.42368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8161.2**	**99685.**	**8553.3**
Stddev	8.2	198.	46.8
%RSD	.10061	.19870	.54676
#1	8167.0	99825.	8586.4
#2	8155.4	99545.	8520.2

Sample Name: 280-48651-a-1-aPDS Acquired: 11/8/2013 20:01:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04801**	**67.430**	**.18995**	**.11121**	**.26571**	**.04935**	**-.01524**	**23.695**	**.05033**	**.07230**
Stddev	.00045	.432	.00194	.00074	.00172	.00031	.00317	.167	.00004	.00010
%RSD	.93411	.64120	1.0221	.66106	.64823	.61826	20.824	.70465	.08419	.13726
#1	.04833	67.124	.18858	.11173	.26449	.04914	-.01749	23.577	.05030	.07223
#2	.04770	67.735	.19132	.11069	.26693	.04957	-.01300	23.813	.05036	.07237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10791**	**.09417**	**69.323**	**27.113**	**.21692**	**38.314**	**.60727**	**.04680**	**20.599**	**.12791**
Stddev	.00021	.00030	.465	.152	.00044	.095	.00059	.00012	.265	.00082
%RSD	.19555	.32341	.67101	.55929	.20317	.24882	.09744	.26435	1.2876	.63991
#1	.10806	.09395	68.994	27.005	.21661	38.246	.60685	.04671	20.412	.12849
#2	.10776	.09438	69.652	27.220	.21723	38.381	.60768	.04688	20.787	.12733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9190**	**.15083**	**.72909**	**.09496**	**.18172**	**7.6834**	**16.442**	**.09601**	**.07143**	**.21251**
Stddev	.0076	.00120	.00359	.00254	.00710	.0767	.164	.00057	.00050	.00125
%RSD	.19493	.79683	.49295	2.6752	3.9070	.99784	.99784	.59306	.69839	.58624
#1	3.9136	.14998	.73164	.09676	.18674	7.6292	16.326	.09642	.07108	.21339
#2	3.9245	.15168	.72655	.09317	.17670	7.7376	16.558	.09561	.07179	.21163
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37119**	**.18796**	**.47116**	**.12832**	**1.0974**	**.05619**
Stddev	.01494	.00199	.01012	.00074	.0003	.00179
%RSD	4.0252	1.0577	2.1480	.57459	.02644	3.1897
#1	.38176	.18936	.47832	.12884	1.0972	.05492
#2	.36063	.18655	.46401	.12780	1.0976	.05746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.6**	**101630.**	**8650.5**
Stddev	4.7	151.	65.7
%RSD	.05682	.14897	.75939
#1	8253.3	101730.	8697.0
#2	8259.9	101520.	8604.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:03:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**51.080**	**.00366**	**.00908**	**.00049**	**.00012**	**1.0001**	**.01334**	**-.00001**	**-.00091**	**-.00008**	**.00699**	**49.433**
Stddev	.00044	.063	.00061	.00029	.00050	.00005	.0066	.00360	.00013	.00019	.00005	.00037	.040
%RSD	13.780	.12417	16.559	3.2210	102.68	38.672	.65973	26.980	1404.9	20.251	68.265	5.2740	.08157
#1	.00290	51.036	.00409	.00887	.00013	.00016	1.0047	.01079	.00008	-.00105	-.00012	.00725	49.404
#2	.00353	51.125	.00324	.00929	.00085	.00009	.99538	.01588	-.00010	-.00078	-.00004	.00673	49.461
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11944**	**-.00018**	**.09411**	**.00042**	**-.00033**	**256.20**	**-.00005**	**.00284**	**.00150**	**4.9958**	**.00344**	**.00184**	**.02622**
Stddev	.00086	.00052	.00174	.00014	.00023	.17	.00009	.00228	.00055	.0134	.00317	.00304	.01639
%RSD	.72362	290.33	1.8537	31.901	69.118	.06517	184.47	80.002	36.355	.26874	92.044	165.35	62.513
#1	.11883	-.00055	.09535	.00052	-.00017	256.08	-.00011	.00445	.00189	4.9863	.00120	.00399	.03781
#2	.12005	.00019	.09288	.00033	-.00049	256.32	.00002	.00124	.00112	5.0053	.00568	-.00031	.01463
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05612**	**.00090**	**.00056**	**4.8785**	**-.00456**	**.00180**	**10.284**	**.00020**	**.00197**	**.01540**
Stddev	.03508	.00046	.00014	.0001	.00009	.00095	.026	.00053	.00031	.00201
%RSD	62.513	51.375	24.312	.00146	2.0798	52.790	.25450	260.05	15.838	13.026
#1	.08092	.00058	.00046	4.8786	-.00463	.00113	10.302	.00058	.00219	.01681
#2	.03131	.00123	.00065	4.8785	-.00450	.00247	10.265	-.00017	.00175	.01398
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7801.9**	**96477.**	**8099.7**
Stddev	16.1	29.	.5
%RSD	.20695	.02997	.00662
#1	7813.3	96457.	8100.1
#2	7790.5	96498.	8099.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:06:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49811**	**.52901**	**.98804**	**.50349**	**.50925**	**.50170**	**.00167**	**5.0484**	**.50280**	**.50955**	**.49877**	**.51283**	**2.4490**
Stddev	.00116	.00217	.00010	.00106	.00161	.00211	.00118	.0055	.00072	.00068	.00080	.00227	.0351
%RSD	.23385	.40975	.01058	.21104	.31681	.42040	70.850	.10913	.14409	.13280	.16030	.44288	1.4347
#1	.49894	.53054	.98811	.50424	.50811	.50021	.00250	5.0445	.50331	.51002	.49933	.51443	2.4241
#2	.49729	.52748	.98796	.50274	.51040	.50320	.00083	5.0523	.50229	.50907	.49820	.51122	2.4738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.414**	**1.0154**	**19.818**	**.50671**	**.50110**	**5.3341**	**.50640**	**.98854**	**1.0310**	**.00004**	**1.0207**	**.99173**	**5.0159**
Stddev	.067	.0041	.020	.00008	.00564	.0033	.00042	.00301	.0093	.00157	.0024	.00443	.0070
%RSD	.13003	.40033	.09887	.01481	1.1258	.06120	.08234	.30459	.89940	4051.2	.23456	.44636	.13965
#1	51.367	1.0126	19.804	.50676	.50508	5.3318	.50670	.99067	1.0375	.00115	1.0224	.99486	5.0109
#2	51.461	1.0183	19.831	.50666	.49711	5.3364	.50611	.98641	1.0244	-.00107	1.0190	.98860	5.0208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.734**	**1.0028**	**.50477**	**-.00209**	**.51267**	**1.0372**	**.02215**	**.50960**	**.50516**	**.51051**
Stddev	.015	.0053	.00086	.00204	.00068	.0035	.03200	.00058	.00089	.00007
%RSD	.13965	.52812	.17095	97.713	.13289	.33686	144.47	.11417	.17699	.01401
#1	10.723	1.0065	.50416	-.00353	.51315	1.0397	.04478	.51001	.50453	.51046
#2	10.745	.99901	.50538	-.00064	.51218	1.0347	-.00048	.50919	.50580	.51056
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.4**	**99880.**	**8188.0**
Stddev	6.4	203.	56.9
%RSD	.08114	.20321	.69519
#1	7930.9	100020.	8228.2
#2	7940.0	99737.	8147.7

Sample Name: CCB Acquired: 11/8/2013 20:08:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.01085**	**.00034**	**.00391**	**.00014**	**.00019**	**.00222**	**.00122**	**.00030**	**-.00007**	**.00016**	**-.00022**	**.01023**
Stddev	.00049	.00071	.00088	.00041	.00012	.00005	.00219	.00020	.00001	.00003	.00004	.00051	.00145
%RSD	358.24	6.4957	257.15	10.404	85.938	23.802	98.651	16.385	4.1100	45.976	23.821	229.10	14.146
#1	.00021	.01135	.00096	.00362	.00005	.00022	.00377	.00136	.00029	-.00009	.00013	.00014	.01126
#2	-.00048	.01036	-.00028	.00419	.00022	.00016	.00067	.00108	.00031	-.00005	.00019	-.00058	.00921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08907**	**.00023**	**.00369**	**.00002**	**.00070**	**.04326**	**-.00010**	**.00084**	**.00172**	**.00469**	F **.00737**	**.00333**	**.03110**
Stddev	.04083	.00086	.00061	.00000	.00002	.00458	.00004	.00166	.00010	.00385	.00003	.00130	.00662
%RSD	45.846	371.32	16.553	14.625	3.0694	10.586	38.591	197.24	5.8946	82.059	.45826	39.089	21.274
#1	.11794	.00084	.00326	.00003	.00071	.04002	-.00012	.00202	.00165	.00740	.00740	.00426	.02642
#2	.06020	-.00038	.00413	.00002	.00068	.04650	-.00007	-.00033	.00179	.00197	.00735	.00241	.03577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06654**	**.00012**	**.00017**	**.00076**	**-.00007**	**.00138**	**-.00704**	**-.00026**	**.00303**	**.00038**
Stddev	.01416	.00108	.00008	.00035	.00020	.00111	.00900	.00030	.00026	.00052
%RSD	21.274	890.25	45.770	45.913	297.16	80.495	127.84	113.17	8.6794	134.91
#1	.05653	-.00064	.00011	.00051	.00007	.00217	-.01340	-.00047	.00322	.00002
#2	.07655	.00088	.00022	.00101	-.00020	.00060	-.00068	-.00005	.00284	.00075
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7953.3**	**100540.**	**7951.8**
Stddev	28.0	407.	13.1
%RSD	.35178	.40509	.16412
#1	7973.0	100260.	7961.0
#2	7933.5	100830.	7942.5

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:10:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00973**	**.11532**	**.01375**	**.10126**	**.01106**	**.00118**	**.12524**	**.22061**	**.00535**	**.01085**	**.01058**	**.01588**	**.11756**
Stddev	.00015	.00070	.00422	.00018	.00020	.00006	.00131	.00094	.00018	.00007	.00009	.00019	.00884
%RSD	1.5240	.60503	30.668	.17848	1.8329	5.4801	1.0431	.42489	3.3247	.60090	.86470	1.2120	7.5220
#1	.00984	.11581	.01077	.10139	.01091	.00113	.12432	.22127	.00547	.01090	.01052	.01575	.12381
#2	.00963	.11483	.01673	.10114	.01120	.00122	.12617	.21995	.00522	.01081	.01065	.01602	.11131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2704**	**.00980**	**.21140**	**.01059**	**.02036**	**1.1469**	**.04241**	**2.8883**	**.01066**	**.00628**	**.01096**	**.01513**	**.51894**
Stddev	.0230	.00254	.00198	.00007	.00000	.0017	.00041	.0007	.00067	.00033	.00035	.00013	.00827
%RSD	.70425	25.938	.93866	.65724	.01000	.14603	.97800	.02411	6.2963	5.1904	3.2143	.88588	1.5936
#1	3.2542	.00800	.21280	.01054	.02036	1.1481	.04271	2.8878	.01114	.00605	.01071	.01522	.52479
#2	3.2867	.01159	.21000	.01064	.02036	1.1458	.04212	2.8888	.01019	.00651	.01121	.01503	.51309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1105**	**.10425**	**.01067**	**.01574**	**.01049**	**.01675**	F **.08880**	**.00993**	**.02572**	**.01484**
Stddev	.0177	.00025	.00006	.00023	.00014	.00076	.01833	.00081	.00017	.00040
%RSD	1.5936	.23595	.55604	1.4375	1.3787	4.5226	20.647	8.1977	.66656	2.7134
#1	1.1230	.10443	.01071	.01590	.01039	.01729	.07583	.00935	.02584	.01455
#2	1.0980	.10408	.01063	.01558	.01059	.01622	.10176	.01050	.02560	.01512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7937.6**	**99882.**	**8010.3**
Stddev	9.7	104.	8.4
%RSD	.12269	.10415	.10438
#1	7930.7	99956.	8016.2
#2	7944.5	99808.	8004.4

Sample Name: 280-48651-a-2-a Acquired: 11/8/2013 20:12:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**72.295**	**.01020**	**.01996**	**.14782**	**.00249**	**-.01343**	**4.5069**	**.00074**	**.02801**
Stddev	.00040	.171	.00075	.00008	.00050	.00010	.00125	.0377	.00018	.00023
%RSD	46.912	.23602	7.3294	.39404	.33721	4.0264	9.2987	.83645	24.268	.81639
#1	-.00115	72.174	.01073	.01991	.14747	.00242	-.01431	4.5335	.00061	.02817
#2	-.00058	72.416	.00967	.02002	.14817	.00256	-.01254	4.4802	.00087	.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06585**	**.04865**	**81.811**	**7.7115**	**.12981**	**22.403**	**.61207**	**.00097**	**.32612**	**.09309**
Stddev	.00004	.00003	.054	.0534	.00102	.041	.00026	.00012	.01137	.00018
%RSD	.06072	.06663	.06627	.69199	.78314	.18187	.04245	12.369	3.4862	.19644
#1	.06588	.04867	81.849	7.7493	.13053	22.432	.61188	.00105	.33416	.09296
#2	.06583	.04862	81.772	7.6738	.12909	22.375	.61225	.00088	.31808	.09322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5171**	**.02454**	**1.0042**	**.00124**	**.00215**	**2.8735**	**6.1493**	**.00535**	**.01899**	**.02033**
Stddev	.0024	.00082	.0041	.00049	.00097	.0053	.0113	.00017	.00004	.00108
%RSD	.09339	3.3553	.41019	39.049	44.865	.18408	.18408	3.0910	.19262	5.3074
#1	2.5155	.02512	1.0012	.00090	.00147	2.8697	6.1413	.00523	.01901	.02109
#2	2.5188	.02396	1.0071	.00159	.00284	2.8772	6.1573	.00546	.01896	.01957
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41690**	**-.00016**	W **-.06724**	**.09746**	**.29627**	**.01423**
Stddev	.00586	.00053	.02844	.00002	.00032	.00201
%RSD	1.4051	334.57	42.295	.02192	.10834	14.107
#1	.41276	.00022	-.08734	.09744	.29604	.01281
#2	.42104	-.00053	-.04713	.09747	.29650	.01565
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8270.4**	**101340.**	**8509.6**
Stddev	12.6	174.	34.5
%RSD	.15249	.17172	.40522
#1	8279.3	101460.	8534.0
#2	8261.5	101210.	8485.2

Sample Name: 280-48651-a-3-a Acquired: 11/8/2013 20:15:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**47.075**	**.00712**	**.01553**	**.09196**	**.00170**	**-.01032**	**2.5566**	**.00099**	**.01622**
Stddev	.00052	.036	.00306	.00001	.00014	.00003	.00252	.0015	.00012	.00002
%RSD	47.765	.07751	42.923	.03505	.15010	1.6143	24.401	.05944	11.688	.10766
#1	-.00146	47.101	.00496	.01552	.09205	.00168	-.01210	2.5576	.00091	.01621
#2	-.00072	47.049	.00928	.01553	.09186	.00172	-.00854	2.5555	.00107	.01623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04289**	**.03605**	**50.947**	**5.9678**	**.07760**	**13.424**	**.36854**	**.00051**	**.17164**	**.05455**
Stddev	.00011	.00023	.130	.0301	.00125	.062	.00034	.00007	.00603	.00015
%RSD	.24846	.63857	.25440	.50478	1.6137	.46120	.09208	13.579	3.5145	.27086
#1	.04297	.03621	51.039	5.9891	.07671	13.381	.36830	.00056	.17590	.05466
#2	.04282	.03589	50.856	5.9465	.07848	13.468	.36878	.00046	.16737	.05445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9214**	**.02195**	**.58894**	**.00201**	**.00089**	**2.7600**	**5.9064**	**.00466**	**.01265**	**.01224**
Stddev	.0038	.00154	.00100	.00137	.00400	.0401	.0858	.00072	.00000	.00067
%RSD	.19833	7.0042	.16955	68.346	449.48	1.4525	1.4525	15.346	.02411	5.4344
#1	1.9241	.02303	.58823	.00297	-.00194	2.7316	5.8457	.00517	.01265	.01177
#2	1.9187	.02086	.58964	.00104	.00372	2.7883	5.9670	.00416	.01265	.01271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29438**	**-.00041**	**-.04364**	**.05891**	**.24656**	**.00791**
Stddev	.00229	.00098	.01486	.00019	.00123	.00077
%RSD	.77850	235.99	34.054	.31402	.49745	9.7966
#1	.29276	-.00111	-.03314	.05878	.24569	.00736
#2	.29600	.00028	-.05415	.05905	.24743	.00846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8239.9**	**101690.**	**8419.1**
Stddev	22.7	353.	14.4
%RSD	.27524	.34701	.17161
#1	8223.8	101940.	8429.3
#2	8255.9	101440.	8408.9

Sample Name: 280-48651-a-4-a Acquired: 11/8/2013 20:17:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**50.681**	**.00591**	**.01571**	**.12352**	**.00172**	**-.01181**	**3.8898**	**.00164**	**.01702**
Stddev	.00003	.074	.00388	.00018	.00059	.00008	.00134	.0002	.00027	.00027
%RSD	2.5866	.14533	65.685	1.1373	.47873	4.7423	11.350	.00559	16.665	1.6123
#1	-.00117	50.733	.00866	.01584	.12310	.00166	-.01086	3.8899	.00184	.01721
#2	-.00112	50.629	.00317	.01559	.12394	.00178	-.01276	3.8896	.00145	.01683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04172**	**.02245**	**49.249**	**5.5693**	**.09042**	**13.508**	**.37036**	**.00052**	**.20156**	**.05305**
Stddev	.00012	.00081	.093	.0542	.00279	.053	.00042	.00003	.00145	.00046
%RSD	.27894	3.6212	.18893	.97397	3.0814	.39415	.11434	5.5787	.71881	.87465
#1	.04180	.02188	49.183	5.6076	.08845	13.546	.37066	.00054	.20054	.05338
#2	.04164	.02303	49.315	5.5309	.09239	13.471	.37006	.00050	.20259	.05272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9254**	**.03209**	**.70711**	**.00090**	**-.00079**	**3.2780**	**7.0148**	**.00502**	**.01787**	**.01228**
Stddev	.0038	.00065	.00006	.00158	.00078	.0239	.0511	.00006	.00007	.00011
%RSD	.13091	2.0152	.00802	175.56	99.318	.72878	.72878	1.2846	.38151	.90683
#1	2.9281	.03255	.70715	-.00022	-.00023	3.2611	6.9787	.00497	.01792	.01236
#2	2.9227	.03164	.70707	.00201	-.00134	3.2949	7.0510	.00506	.01782	.01220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36446**	**.00030**	W **-.06912**	**.05734**	**.28952**	**.00747**
Stddev	.00031	.00025	.00158	.00056	.00043	.00008
%RSD	.08610	83.569	2.2812	.97285	.14951	1.0685
#1	.36468	.00012	-.07024	.05773	.28921	.00753
#2	.36423	.00048	-.06801	.05695	.28983	.00742
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8244.5**	**101560.**	**8398.7**
Stddev	2.5	3.	34.3
%RSD	.03076	.00314	.40846
#1	8242.7	101560.	8374.5
#2	8246.3	101560.	8423.0

Sample Name: 280-48651-a-5-a Acquired: 11/8/2013 20:19:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**49.187**	**.01237**	**.01900**	**.17412**	**.00172**	**-.01373**	**14.680**	**.00379**	**.01869**
Stddev	.00045	.184	.00102	.00039	.00021	.00002	.00064	.015	.00016	.00023
%RSD	85.372	.37395	8.2205	2.0711	.11918	.94024	4.6515	.09924	4.2024	1.2332
#1	-.00085	49.057	.01165	.01872	.17426	.00173	-.01418	14.690	.00367	.01853
#2	-.00021	49.317	.01309	.01928	.17397	.00171	-.01328	14.670	.00390	.01885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**.12115**	**72.710**	**6.4870**	**.07778**	**14.297**	**.53675**	**.00146**	**.26479**	**.06586**
Stddev	.00021	.00079	.026	.0156	.00048	.045	.00093	.00006	.01319	.00011
%RSD	.42079	.65572	.03600	.24030	.61432	.31753	.17373	4.1377	4.9824	.17274
#1	.05020	.12059	72.691	6.4980	.07812	14.265	.53609	.00142	.27412	.06578
#2	.04990	.12171	72.729	6.4759	.07745	14.329	.53741	.00150	.25546	.06594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.5139**	**.22341**	**1.6304**	**.00113**	**.00064**	**3.4546**	**7.3928**	**.08124**	**.08407**	**.01400**
Stddev	.0091	.00009	.0044	.00274	.00069	.0036	.0077	.00019	.00014	.00055
%RSD	.16555	.04233	.27113	241.78	109.07	.10441	.10441	.23365	.16363	3.8993
#1	5.5203	.22348	1.6273	.00307	.00015	3.4571	7.3982	.08137	.08397	.01439
#2	5.5074	.22335	1.6335	-.00080	.00112	3.4520	7.3873	.08110	.08417	.01361
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54081**	**-.00095**	W **-.06293**	**.07923**	**1.0688**	**.00967**
Stddev	.01495	.00021	.04413	.00032	.0045	.00349
%RSD	2.7636	21.805	70.121	.40621	.42254	36.067
#1	.55138	-.00110	-.09413	.07901	1.0656	.00720
#2	.53025	-.00080	-.03173	.07946	1.0720	.01214
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8283.4**	**101990.**	**8425.1**
Stddev	9.7	282.	7.3
%RSD	.11677	.27619	.08617
#1	8276.6	102190.	8430.3
#2	8290.3	101790.	8420.0

Sample Name: 280-48486-a-1-e Acquired: 11/8/2013 20:21:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**48.235**	**.03567**	**.02123**	**.21721**	**.00232**	**-.01963**	**108.75**	**.00102**	**.03630**
Stddev	.00054	.138	.00046	.00028	.00041	.00006	.00170	.34	.00007	.00022
%RSD	57.602	.28616	1.2775	1.3402	.18691	2.7348	8.6408	.30902	6.4561	.60444
#1	-.00131	48.138	.03599	.02143	.21692	.00237	-.01843	108.51	.00097	.03646
#2	-.00055	48.333	.03534	.02103	.21749	.00228	-.02083	108.99	.00107	.03615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05342**	**.12348**	**101.26**	**6.9856**	**.08683**	**29.334**	**3.8483**	**.00200**	**.32404**	**.07716**
Stddev	.00005	.00029	.60	.0353	.00295	.079	.0308	.00048	.00219	.00017
%RSD	.09851	.23464	.58817	.50495	3.3921	.27036	.79976	24.006	.67465	.22498
#1	.05346	.12328	101.68	6.9607	.08475	29.390	3.8700	.00166	.32558	.07704
#2	.05338	.12369	100.84	7.0106	.08891	29.278	3.8265	.00233	.32249	.07728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.0921**	**.04676**	**.74270**	**-.00049**	**-.00098**	**2.8471**	**6.0929**	**.00318**	**.16958**	**.02477**
Stddev	.0013	.00091	.00236	.00326	.00023	.0367	.0786	.00040	.00065	.00488
%RSD	.04265	1.9421	.31811	668.93	23.088	1.2896	1.2896	12.595	.38188	19.701
#1	3.0931	.04740	.74437	.00182	-.00114	2.8212	6.0373	.00290	.16913	.02132
#2	3.0912	.04612	.74103	-.00280	-.00082	2.8731	6.1484	.00346	.17004	.02822
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21276**	**-.00056**	F **-.12096**	**.08649**	**.26554**	**.01766**
Stddev	.00065	.00066	.01333	.00023	.00013	.00120
%RSD	.30667	117.64	11.023	.27112	.05001	6.7692
#1	.21230	-.00009	-.11153	.08665	.26544	.01851
#2	.21323	-.00102	-.13038	.08632	.26563	.01682
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8302.0**	**101880.**	**8557.2**
Stddev	23.6	715.	54.2
%RSD	.28386	.70213	.63357
#1	8318.7	101380.	8595.5
#2	8285.4	102390.	8518.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:24:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**51.505**	**.00082**	**.00703**	**.00036**	**.00009**	**.99739**	**.01690**	**.00013**	**-.00074**	**-.00008**	**.00701**	**49.207**
Stddev	.00015	.228	.00044	.00045	.00034	.00001	.00144	.00303	.00003	.00013	.00021	.00025	.429
%RSD	6.6112	.44217	53.072	6.4282	92.786	14.110	.14389	17.939	26.059	17.011	258.45	3.5986	.87219
#1	.00209	51.344	.00051	.00671	.00060	.00008	.99637	.01905	.00010	-.00065	-.00023	.00683	48.903
#2	.00230	51.666	.00113	.00735	.00012	.00010	.99840	.01476	.00015	-.00083	.00007	.00718	49.510
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05075**	**-.00135**	**.08777**	**.00067**	**-.00016**	**257.72**	**.00012**	**.00276**	**.00277**	**4.9724**	**.00118**	**.00269**	**.03022**
Stddev	.05731	.00072	.00413	.00011	.00019	.08	.00028	.00074	.00006	.0095	.00051	.00034	.02801
%RSD	112.92	53.313	4.7085	17.015	118.27	.03071	238.17	26.808	2.2068	.19145	43.170	12.467	92.691
#1	.01023	-.00186	.09069	.00075	-.00029	257.77	.00032	.00328	.00281	4.9657	.00153	.00246	.05003
#2	.09128	-.00084	.08485	.00059	-.00003	257.66	-.00008	.00224	.00273	4.9791	.00082	.00293	.01041
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06467**	**.00055**	**.00031**	**4.8948**	**-.00477**	**.00193**	**10.278**	**.00049**	**.00206**	**.01176**
Stddev	.05995	.00004	.00005	.0038	.00093	.00006	.027	.00040	.00053	.00010
%RSD	92.691	6.5215	14.784	.07686	19.414	3.3082	.26211	81.675	25.551	.87349
#1	.10706	.00053	.00034	4.8975	-.00542	.00189	10.297	.00021	.00243	.01169
#2	.02229	.00058	.00028	4.8922	-.00411	.00198	10.259	.00077	.00168	.01184
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7693.6**	**94895.**	**7861.9**
Stddev	7.5	455.	14.6
%RSD	.09809	.47943	.18587
#1	7688.3	94573.	7851.6
#2	7698.9	95216.	7872.2

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:26:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49484**	**.53285**	**.98817**	**.50037**	**.50886**	**.50026**	**.00272**	**5.0579**	**.50237**	**.50851**	**.49837**	**.50721**	**2.4365**
Stddev	.00046	.00806	.00007	.00029	.00097	.00027	.00125	.0057	.00070	.00022	.00007	.00027	.0066
%RSD	.09221	1.5120	.00722	.05823	.19094	.05368	45.922	.11258	.13906	.04407	.01448	.05356	.26979
#1	.49451	.53855	.98823	.50017	.50817	.50045	.00184	5.0620	.50287	.50835	.49832	.50701	2.4319
#2	.49516	.52715	.98812	.50058	.50955	.50007	.00360	5.0539	.50188	.50866	.49842	.50740	2.4412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.440**	**1.0083**	**19.770**	**.50479**	**.49842**	**5.3097**	**.50515**	**.98201**	**1.0268**	**-.00074**	**1.0132**	**.98776**	**4.9812**
Stddev	.009	.0070	.029	.00033	.00098	.0233	.00123	.00157	.0012	.00438	.0048	.00151	.0025
%RSD	.01833	.69779	.14637	.06492	.19690	.43789	.24410	.15954	.11689	593.20	.47409	.15285	.05035
#1	51.446	1.0033	19.790	.50456	.49773	5.3261	.50603	.98312	1.0259	.00236	1.0166	.98670	4.9794
#2	51.433	1.0133	19.750	.50503	.49911	5.2932	.50428	.98090	1.0276	-.00383	1.0098	.98883	4.9829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.660**	**1.0015**	**.50358**	**-.00211**	**.50809**	**1.0359**	**-.01802**	**.50676**	**.50245**	**.50555**
Stddev	.005	.0056	.00060	.00229	.00057	.0034	.02562	.00058	.00057	.00244
%RSD	.05035	.56346	.11839	108.30	.11149	.33318	142.17	.11452	.11396	.48283
#1	10.656	1.0055	.50316	-.00373	.50769	1.0383	.00010	.50717	.50285	.50382
#2	10.663	.99748	.50400	-.00049	.50849	1.0334	-.03614	.50635	.50205	.50727
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.4**	**99672.**	**8105.3**
Stddev	39.5	228.	10.0
%RSD	.49665	.22920	.12396
#1	7976.3	99510.	8112.4
#2	7920.5	99833.	8098.2

Sample Name: CCB Acquired: 11/8/2013 20:28:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	F **.07065**	**.00016**	**.00279**	**.00018**	**.00012**	**.00028**	**-.00045**	**.00030**	**.00007**	**.00036**	**-.00007**
Stddev	.00040	.09399	.00386	.00060	.00016	.00006	.00200	.00070	.00029	.00012	.00008	.00056
%RSD	52.537	133.04	2426.9	21.520	87.276	52.100	718.28	157.64	97.230	165.27	22.088	756.60
#1	-.00105	.00419	-.00257	.00321	.00030	.00016	-.00114	.00005	.00009	-.00001	.00030	.00032
#2	-.00048	.13710	.00289	.00236	.00007	.00007	.00169	-.00095	.00050	.00016	.00042	-.00047
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.03100										
Low Limit		-.03100										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.06672**	**.00048**	**.00261**	**.00016**	**.00066**	**.02311**	**.00012**	**.00505**	**.00129**	**.00492**	F **.00762**
Stddev	.00226	.00850	.00050	.00237	.00009	.00052	.00957	.00052	.00688	.00060	.00023	.00255
%RSD	24.958	12.748	103.95	90.768	57.625	79.200	41.436	438.18	136.17	46.667	4.7520	33.514
#1	.00747	.07273	.00084	.00093	.00010	.00029	.01634	-.00025	.00019	.00171	.00476	.00581
#2	.01067	.06070	.00013	.00428	.00023	.00103	.02988	.00049	.00991	.00086	.00509	.00942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.01371**	**.02935**	**-.00006**	**.00008**	**.00098**	**.00005**	**.00052**	**.02036**	**-.00017**	**.00279**	**-.00106**
Stddev	.00005	.00150	.00321	.00083	.00010	.00154	.00017	.00113	.02085	.00046	.00036	.00015
%RSD	.78931	10.944	10.944	1387.7	127.52	156.50	349.52	216.19	102.44	276.62	12.739	14.503
#1	.00625	.01478	.03162	-.00064	.00014	-.00010	.00017	-.00028	.03510	-.00049	.00304	-.00095
#2	.00632	.01265	.02708	.00053	.00001	.00207	-.00007	.00132	.00561	.00016	.00254	-.00117
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.3**	**100780.**	**7980.4**
Stddev	10.3	67.	9.6
%RSD	.12954	.06663	.11982
#1	7966.0	100830.	7973.7
#2	7980.6	100730.	7987.2

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:30:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**.11760**	**.01720**	**.09666**	**.01058**	**.00111**	**.11783**	**.21152**	**.00515**	**.01025**	**.01048**	**.01539**	**.10937**
Stddev	.00003	.00869	.00007	.00025	.00013	.00012	.00018	.00136	.00009	.00045	.00010	.00019	.00424
%RSD	.26898	7.3924	.40222	.25856	1.2312	10.357	.15378	.64489	1.6698	4.4183	.95047	1.2053	3.8784
#1	.00936	.12375	.01715	.09648	.01067	.00103	.11796	.21055	.00521	.01057	.01055	.01526	.10637
#2	.00932	.11145	.01725	.09684	.01049	.00120	.11770	.21248	.00509	.00993	.01041	.01552	.11237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1500**	**.00858**	**.20904**	**.01042**	**.02029**	**1.0915**	**.04170**	**2.8418**	**.01115**	**.00268**	F **.01424**	**.01645**	**.48011**
Stddev	.0471	.00124	.00311	.00005	.00009	.0136	.00019	.0258	.00036	.00036	.00011	.00214	.01546
%RSD	1.4942	14.394	1.4896	.51107	.44756	1.2478	.45248	.90770	3.2569	13.358	.73878	13.007	3.2211
#1	3.1833	.00946	.20684	.01038	.02023	1.0819	.04183	2.8600	.01141	.00293	.01432	.01797	.46918
#2	3.1167	.00771	.21125	.01045	.02035	1.1011	.04157	2.8236	.01090	.00243	.01417	.01494	.49105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0274**	**.10373**	**.01028**	**.01607**	**.00995**	**.01575**	**.05047**	**.01015**	**.02446**	**.01547**
Stddev	.0331	.00202	.00000	.00005	.00005	.00045	.03619	.00039	.00011	.00102
%RSD	3.2211	1.9454	.04328	.32461	.46538	2.8625	71.721	3.8508	.46685	6.6219
#1	1.0040	.10516	.01028	.01610	.00998	.01607	.07606	.01043	.02454	.01474
#2	1.0508	.10230	.01029	.01603	.00992	.01543	.02487	.00988	.02438	.01619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.8**	**101000.**	**7991.0**
Stddev	5.0	298.	9.4
%RSD	.06310	.29528	.11724
#1	7918.3	100790.	7984.3
#2	7925.4	101210.	7997.6

Sample Name: mb 280-199584/1-a Acquired: 11/8/2013 20:33:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00846**	**-.00160**	**.00382**	**.00024**	**.00005**	**-.00111**	**.05044**	**.00030**	**.00013**
Stddev	.00009	.00044	.00099	.00023	.00009	.00007	.00379	.00163	.00018	.00004
%RSD	26.119	5.1961	61.653	5.9462	39.206	125.61	342.17	3.2368	59.756	32.831
#1	-.00039	.00815	-.00090	.00398	.00017	.00010	-.00379	.04929	.00043	.00016
#2	-.00027	.00877	-.00230	.00366	.00030	.00001	.00157	.05160	.00017	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00019**	**.01637**	**.01334**	**.00048**	**.00800**	**.00029**	**.00001**	F **1.0988**	**-.00007**
Stddev	.00001	.00025	.00089	.01236	.00097	.00021	.00001	.00030	.0019	.00011
%RSD	4.9313	128.62	5.4215	92.667	202.19	2.6092	4.6298	1990.4	.16855	159.33
#1	.00021	.00002	.01574	.00460	.00117	.00815	.00030	-.00020	1.1001	.00001
#2	.00022	.00037	.01700	.02208	-.00021	.00785	.00028	.00023	1.0975	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00157**	F **.44465**	**.00054**	**-.00076**	**.04664**	**.09982**	**.00068**	**.00244**	**.00175**
Stddev	.00162	.00064	.00026	.00155	.00301	.00579	.01240	.00062	.00002	.00105
%RSD	112.36	40.621	.05933	285.49	397.06	12.418	12.418	90.464	.83051	60.191
#1	.00030	.00202	.44483	-.00055	.00137	.04255	.09105	.00025	.00243	.00249
#2	.00259	.00112	.44446	.00163	-.00289	.05074	.10858	.00112	.00246	.00100
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00059**	**-.02562**	**.00020**	**.00391**	**-.00147**
Stddev	.00057	.00060	.02701	.00013	.00000	.00094
%RSD	76.067	102.96	105.43	62.748	.10231	64.342
#1	.00035	-.00101	-.04472	.00011	.00392	-.00080
#2	.00116	-.00016	-.00652	.00030	.00391	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7972.4**	**101710.**	**7918.4**
Stddev	8.7	30.	1.6
%RSD	.10910	.02925	.02042
#1	7978.6	101740.	7919.6
#2	7966.3	101690.	7917.3

Sample Name: lcs 280-199584/2-a Acquired: 11/8/2013 20:35:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04766	1.9657	.98180	.98144	2.0292	.04961	2.2164	49.178	.10261	.49441
Stddev	.00046	.0041	.00296	.00053	.0185	.00045	.0032	.449	.00013	.00001
%RSD	.95595	.21013	.30157	.05437	.90914	.90422	.14509	.91225	.12376	.00202
#1	.04798	1.9628	.97971	.98106	2.0161	.04929	2.2141	48.860	.10270	.49441
#2	.04734	1.9686	.98390	.98182	2.0422	.04992	2.2186	49.495	.10252	.49440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20041	.25588	.97044	51.341	1.0062	49.181	.50089	1.0123	52.844	.49336
Stddev	.00009	.00043	.00817	.446	.0105	.057	.00014	.0003	.144	.00068
%RSD	.04597	.16717	.84154	.86965	1.0417	.11607	.02743	.02694	.27311	.13879
#1	.20048	.25618	.96466	51.025	.99876	49.221	.50099	1.0121	52.742	.49287
#2	.20035	.25558	.97621	51.656	1.0136	49.140	.50079	1.0125	52.946	.49384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8682	.49334	-.00614	.50366	1.9357	10.020	21.444	1.9992	1.0038	1.0160
Stddev	.0033	.00024	.00582	.00095	.0004	.151	.323	.0013	.0084	.0031
%RSD	.03318	.04896	94.860	.18804	.02230	1.5056	1.5056	.06357	.83914	.30521
#1	9.8705	.49317	-.00202	.50433	1.9360	9.9137	21.215	1.9983	.99781	1.0138
#2	9.8659	.49352	-.01025	.50299	1.9354	10.127	21.672	2.0001	1.0097	1.0182
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0327	1.9576	2.1725	.51441	.49642	.51331
Stddev	.0005	.0008	.0073	.00087	.00075	.01124
%RSD	.05171	.04265	.33605	.16982	.15182	2.1888
#1	1.0323	1.9582	2.1777	.51380	.49588	.50537
#2	1.0330	1.9570	2.1674	.51503	.49695	.52126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7686.0	95966.	8036.8
Stddev	21.9	505.	49.7
%RSD	.28462	.52584	.61861
#1	7701.4	96323.	8072.0
#2	7670.5	95609.	8001.7

Sample Name: 280-48773-c-1-e Acquired: 11/8/2013 20:37:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**1.7403**	**.00100**	**1.1197**	**.04165**	**.00012**	**-.00072**	**19.267**	**.00030**	**.00014**
Stddev	.00012	.0059	.00247	.0032	.00003	.00006	.00203	.007	.00031	.00009
%RSD	35.631	.33842	246.68	.28809	.07269	54.453	280.71	.03810	101.49	62.507
#1	-.00043	1.7361	-.00074	1.1220	.04163	.00007	-.00215	19.272	.00052	.00008
#2	-.00026	1.7444	.00274	1.1175	.04167	.00016	.00071	19.262	.00009	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.00495**	**.83761**	**.98492**	**.03592**	**7.3006**	**.12466**	**.02906**	W **893.91**	**.00247**
Stddev	.00007	.00026	.00487	.11662	.00076	.0121	.00002	.00027	.51	.00013
%RSD	4.6003	5.3494	.58093	11.840	2.1199	.16551	.01896	.92240	.05745	5.3897
#1	.00152	.00476	.84105	.90246	.03646	7.2921	.12464	.02887	894.27	.00257
#2	.00142	.00514	.83417	1.0674	.03538	7.3092	.12468	.02925	893.55	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09005**	**.00051**	F **232.07**	**.00063**	**-.00144**	**8.0362**	**17.197**	**.00005**	**.59728**	**-.00065**
Stddev	.00173	.00050	.03	.00111	.00188	.0386	.083	.00069	.00024	.00167
%RSD	1.9202	97.423	.01207	175.25	130.95	.48020	.48020	1317.1	.04044	258.67
#1	.08883	.00016	232.05	-.00015	-.00011	8.0089	17.139	.00054	.59711	.00054
#2	.09128	.00087	232.09	.00141	-.00277	8.0635	17.256	-.00044	.59745	-.00183
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04623**	**-.00008**	**-.01335**	**.00634**	**.00789**	**.00237**
Stddev	.00120	.00027	.00259	.00028	.00029	.00199
%RSD	2.6032	344.49	19.380	4.3436	3.7206	83.961
#1	.04708	.00011	-.01518	.00614	.00810	.00377
#2	.04538	-.00027	-.01152	.00653	.00768	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7392.5**	**89703.**	**7881.5**
Stddev	10.4	202.	38.1
%RSD	.14042	.22554	.48300
#1	7399.8	89846.	7908.4
#2	7385.1	89560.	7854.6

Sample Name: 280-48773-c-1-eSD@5 Acquired: 11/8/2013 20:39:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.38748**	**.00127**	**.23311**	**.00862**	**.00014**	**.00187**	**3.8658**	**.00006**	**-.00024**
Stddev	.00018	.00094	.00050	.00030	.00045	.00004	.00086	.0048	.00003	.00020
%RSD	44.170	.24369	39.451	.12843	5.1958	31.227	46.115	.12477	59.845	84.665
#1	-.00029	.38815	.00163	.23332	.00894	.00011	.00248	3.8692	.00003	-.00010
#2	-.00055	.38681	.00092	.23290	.00831	.00017	.00126	3.8624	.00008	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00166**	**.18888**	**.33285**	**.00774**	**1.4945**	**.02493**	**.00597**	**176.44**	**.00059**
Stddev	.00026	.00016	.00792	.04890	.00067	.0098	.00005	.00025	1.31	.00012
%RSD	51.119	9.5474	4.1933	14.692	8.6222	.65425	.21216	4.2504	.74264	20.349
#1	.00033	.00178	.18328	.29827	.00821	1.4876	.02489	.00579	177.36	.00068
#2	.00070	.00155	.19448	.36743	.00727	1.5014	.02496	.00615	175.51	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01733**	**.00209**	**45.059**	**.00078**	**.00089**	**1.5802**	**3.3816**	**.00209**	**.11816**	**-.00083**
Stddev	.00126	.00082	.020	.00144	.00219	.0163	.0350	.00011	.00166	.00215
%RSD	7.2904	39.521	.04531	185.72	247.21	1.0341	1.0341	5.2544	1.4033	258.29
#1	.01823	.00267	45.074	-.00024	.00244	1.5686	3.3569	.00201	.11933	.00069
#2	.01644	.00150	45.045	.00180	-.00066	1.5917	3.4063	.00217	.11699	-.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00980**	**.00184**	**.01771**	**.00138**	**.00740**	**.00111**
Stddev	.00047	.00059	.01193	.00094	.00005	.00000
%RSD	4.7509	31.905	67.403	67.918	.63398	.40744
#1	.00947	.00225	.00927	.00072	.00743	.00111
#2	.01013	.00142	.02614	.00205	.00736	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7728.0**	**95981.**	**8077.7**
Stddev	12.8	129.	80.7
%RSD	.16595	.13430	.99965
#1	7737.1	95890.	8020.6
#2	7718.9	96072.	8134.8

Sample Name: 280-48773-c-1-f ms Acquired: 11/8/2013 20:42:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**4.6645**	**1.0057**	**2.0205**	**2.0867**	**.05017**	F **2.1394**	**68.337**	**.10366**	**.48791**
Stddev	.00068	.0147	.0076	.0022	.0029	.00004	.0002	.068	.00009	.00081
%RSD	1.4075	.31460	.75981	.10642	.13964	.08407	.00837	.10000	.09105	.16523
#1	.04897	4.6541	1.0003	2.0190	2.0846	.05020	2.1395	68.288	.10359	.48848
#2	.04800	4.6749	1.0111	2.0220	2.0887	.05014	2.1393	68.385	.10373	.48734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19741**	**.25916**	**1.8989**	**55.622**	**1.0567**	**55.237**	**.62511**	**1.0258**	W **933.59**	**.48869**
Stddev	.00010	.00134	.0025	.203	.0019	.071	.00039	.0001	.89	.00016
%RSD	.05089	.51554	.13264	.36578	.17606	.12809	.06230	.00777	.09525	.03240
#1	.19748	.26010	1.8971	55.478	1.0554	55.287	.62484	1.0258	932.96	.48880
#2	.19734	.25821	1.9007	55.766	1.0580	55.187	.62539	1.0259	934.22	.48858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.377**	**.46714**	F **228.65**	**.49176**	**1.9438**	**19.132**	**40.943**	**1.9279**	**1.6027**	**1.0263**
Stddev	.025	.00271	.07	.00383	.0037	.062	.132	.0020	.0035	.0027
%RSD	.23904	.58037	.03017	.77865	.19133	.32353	.32353	.10540	.21596	.26076
#1	10.360	.46906	228.60	.48905	1.9465	19.088	40.849	1.9265	1.6003	1.0244
#2	10.395	.46522	228.70	.49447	1.9412	19.176	41.036	1.9294	1.6052	1.0282
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1027**	**1.7374**	**2.1052**	**.52807**	**.51928**	**.52375**
Stddev	.0004	.0022	.0741	.00105	.00066	.00078
%RSD	.03957	.12353	3.5176	.19925	.12748	.14904
#1	1.1024	1.7390	2.1576	.52882	.51881	.52431
#2	1.1030	1.7359	2.0529	.52733	.51975	.52320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7360.3**	**90125.**	**7990.6**
Stddev	12.6	58.	12.1
%RSD	.17145	.06466	.15110
#1	7351.3	90084.	7999.1
#2	7369.2	90166.	7982.1

Sample Name: 280-48773-c-1-g msd Acquired: 11/8/2013 20:44:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04991**	**4.7085**	**1.0261**	**2.0534**	**2.1216**	**.05113**	F **2.1708**	**69.574**	**.10534**	**.49507**
Stddev	.00038	.0283	.0077	.0083	.0004	.00024	.0058	.053	.00002	.00092
%RSD	.76114	.60006	.75293	.40614	.01864	.46997	.26547	.07665	.02327	.18554
#1	.05018	4.7285	1.0207	2.0475	2.1213	.05130	2.1667	69.536	.10532	.49442
#2	.04964	4.6885	1.0316	2.0593	2.1218	.05096	2.1749	69.612	.10536	.49572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20060**	**.26315**	**1.9505**	**56.882**	**1.0713**	**55.877**	**.63358**	**1.0400**	W **950.16**	**.49560**
Stddev	.00020	.00034	.0008	.227	.0035	.090	.00051	.0025	.17	.00030
%RSD	.09833	.12986	.04060	.39877	.32422	.16039	.08123	.23875	.01790	.05999
#1	.20074	.26291	1.9499	56.722	1.0689	55.940	.63322	1.0383	950.28	.49581
#2	.20046	.26339	1.9510	57.043	1.0738	55.814	.63395	1.0418	950.04	.49539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.530**	**.47691**	F **231.96**	**.50193**	**1.9771**	**19.523**	**41.780**	**1.9616**	**1.6308**	**1.0422**
Stddev	.016	.00238	.25	.00041	.0045	.015	.033	.0020	.0011	.0005
%RSD	.15429	.49949	.10690	.08106	.22532	.07837	.07837	.10425	.06838	.04511
#1	10.519	.47522	231.78	.50165	1.9739	19.512	41.757	1.9601	1.6300	1.0426
#2	10.542	.47859	232.13	.50222	1.9802	19.534	41.803	1.9630	1.6316	1.0419
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1265**	**1.7609**	**2.1820**	**.53503**	**.52564**	**.53255**
Stddev	.0016	.0043	.0414	.00047	.00133	.00291
%RSD	.14542	.24334	1.8961	.08865	.25300	.54622
#1	1.1277	1.7579	2.1527	.53536	.52470	.53460
#2	1.1254	1.7640	2.2112	.53469	.52658	.53049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7344.0**	**90232.**	**7919.1**
Stddev	24.4	51.	9.8
%RSD	.33166	.05662	.12369
#1	7361.3	90196.	7926.0
#2	7326.8	90268.	7912.2

Sample Name: 280-48773-c-1-ePDS Acquired: 11/8/2013 20:46:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05006**	W **3.0659**	**.20292**	**1.1923**	**.13954**	**.04903**	**-.00040**	**37.987**	**.05075**	**.04882**
Stddev	.00006	.0486	.00159	.0013	.00038	.00018	.00127	.302	.00011	.00008
%RSD	.11294	1.5856	.78199	.10647	.27258	.37230	316.08	.79385	.21766	.16997
#1	.05010	3.1003	.20404	1.1914	.13981	.04916	-.00130	38.201	.05067	.04888
#2	.05002	3.0315	.20180	1.1932	.13927	.04890	.00050	37.774	.05082	.04876
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05027**	**.05565**	**1.7609**	**23.093**	**.13181**	**25.727**	**.17091**	**.07860**	W **886.44**	**.05077**
Stddev	.00010	.00063	.0174	.234	.00028	.007	.00011	.00007	6.78	.00008
%RSD	.19837	1.1262	.98755	1.0127	.21009	.02612	.06267	.08917	.76491	.15376
#1	.05020	.05520	1.7732	23.259	.13201	25.731	.17098	.07865	891.24	.05072
#2	.05034	.05609	1.7486	22.928	.13162	25.722	.17083	.07855	881.65	.05083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1537**	**.09467**	F **226.66**	**.10068**	**.19555**	**12.941**	**27.694**	**.09904**	**.62788**	**.20175**
Stddev	.0054	.00238	.28	.00058	.00436	.155	.333	.00005	.00399	.00232
%RSD	.25227	2.5092	.12450	.57138	2.2294	1.2006	1.2006	.04908	.63586	1.1489
#1	2.1498	.09635	226.46	.10027	.19247	13.051	27.929	.09907	.63071	.20339
#2	2.1575	.09299	226.86	.10109	.19864	12.831	27.459	.09900	.62506	.20011
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10189**	**.17584**	**.49812**	**.05804**	**.22041**	**.05469**
Stddev	.00446	.00031	.00769	.00065	.00038	.00189
%RSD	4.3763	.17867	1.5431	1.1259	.17328	3.4488
#1	.09874	.17562	.50356	.05758	.22014	.05335
#2	.10504	.17606	.49269	.05850	.22068	.05602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7389.3**	**90834.**	**8030.3**
Stddev	16.9	192.	40.1
%RSD	.22832	.21168	.49972
#1	7401.2	90970.	8001.9
#2	7377.3	90698.	8058.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:48:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**51.726**	**.00225**	**.01102**	**.00061**	**.00000**	**1.0081**	**.01933**	**.00013**	**-.00065**	**.00018**	**.00761**	**49.863**
Stddev	.00060	.039	.00131	.00088	.00023	.0000	.0039	.00059	.00019	.00001	.00006	.00022	.300
%RSD	19.554	.07482	58.213	7.9952	37.954	838.26	.38404	3.0376	144.99	1.4847	30.339	2.9230	.60125
#1	.00348	51.698	.00318	.01165	.00044	.00002	1.0109	.01975	.00026	-.00065	.00014	.00746	49.651
#2	.00264	51.753	.00132	.01040	.00077	-.00003	1.0054	.01892	.00000	-.00064	.00022	.00777	50.075
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39737**	**.00074**	**.08945**	**.00045**	**-.00001**	**260.13**	**-.00004**	**.00247**	**.00214**	**5.1037**	**-.00012**	**-.00243**	**.02747**
Stddev	.04985	.00003	.00218	.00004	.00010	.09	.00044	.00022	.00133	.0204	.00225	.00299	.00785
%RSD	12.546	3.5372	2.4326	9.0564	1540.3	.03610	1056.9	8.9895	62.220	.39991	1882.8	123.26	28.590
#1	.43262	.00076	.08791	.00042	.00006	260.07	.00027	.00262	.00308	5.1181	-.00171	-.00031	.02191
#2	.36212	.00072	.09099	.00048	-.00008	260.20	-.00036	.00231	.00120	5.0892	.00147	-.00455	.03302
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05878**	**.00003**	**.00060**	**4.9152**	**-.00469**	**.00089**	**10.313**	**.00042**	**.00222**	**.01634**
Stddev	.01681	.00009	.00005	.0039	.00007	.00085	.006	.00091	.00007	.00039
%RSD	28.590	376.07	7.9089	.07993	1.4974	95.300	.05473	215.92	2.9990	2.3923
#1	.04690	.00009	.00057	4.9180	-.00464	.00029	10.317	.00106	.00217	.01606
#2	.07066	-.00004	.00063	4.9124	-.00474	.00149	10.309	-.00022	.00227	.01661
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7729.9**	**95132.**	**7944.4**
Stddev	14.3	209.	65.7
%RSD	.18558	.21997	.82694
#1	7719.8	94984.	7990.9
#2	7740.1	95280.	7898.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:51:16 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49873**	**.52278**	**.99519**	**.50688**	**.50755**	**.50104**	**.00158**	**5.0509**	**.50502**	**.50897**	**.50049**	**.51217**	**2.4468**
Stddev	.00025	.00060	.00193	.00003	.00252	.00238	.00257	.0274	.00043	.00067	.00007	.00016	.0028
%RSD	.05083	.11473	.19359	.00683	.49626	.47590	162.12	.54209	.08494	.13198	.01455	.03062	.11382
#1	.49855	.52320	.99383	.50685	.50577	.49935	-.00023	5.0315	.50472	.50945	.50054	.51228	2.4448
#2	.49891	.52236	.99655	.50690	.50933	.50273	.00340	5.0702	.50532	.50850	.50044	.51206	2.4488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.484**	**1.0099**	**19.868**	**.50529**	**.50139**	F **5.7057**	**.50686**	**.98886**	**1.0315**	**.04239**	**1.0210**	**.99597**	**5.0137**
Stddev	.317	.0051	.007	.00044	.00110	.0249	.00103	.00050	.0011	.00274	.0048	.00527	.0031
%RSD	.61605	.50079	.03402	.08783	.22037	.43718	.20356	.05026	.10705	6.4721	.47013	.52869	.06225
#1	51.259	1.0063	19.863	.50498	.50217	5.6881	.50613	.98851	1.0307	.04433	1.0243	.99970	5.0115
#2	51.708	1.0135	19.873	.50561	.50061	5.7234	.50759	.98921	1.0323	.04045	1.0176	.99225	5.0159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.729**	**1.0072**	**.50358**	**-.00202**	**.50940**	**1.0355**	**.00572**	**.50842**	**.50497**	**.51059**
Stddev	.007	.0053	.00113	.00021	.00055	.0043	.01199	.00077	.00077	.00324
%RSD	.06225	.52916	.22465	10.465	.10854	.41426	209.52	.15103	.15154	.63520
#1	10.725	1.0110	.50278	-.00217	.50901	1.0385	.01420	.50896	.50551	.50830
#2	10.734	1.0034	.50438	-.00187	.50979	1.0324	-.00276	.50788	.50443	.51288
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7990.2**	**100250.**	**8199.8**
Stddev	5.3	72.	37.4
%RSD	.06587	.07150	.45620
#1	7986.5	100300.	8226.2
#2	7994.0	100200.	8173.3

Sample Name: CCB Acquired: 11/8/2013 20:53:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00228**	**.00059**	W **.00477**	**.00007**	**.00025**	**.00478**	**.00229**	**.00010**	**-.00007**	**.00013**	**.00029**
Stddev	.00011	.00032	.00207	.00029	.00041	.00001	.00089	.00353	.00002	.00005	.00009	.00038
%RSD	53.527	14.110	353.77	6.1567	563.62	5.1081	18.670	154.04	19.391	65.808	71.980	132.56
#1	.00030	.00251	-.00088	.00498	.00036	.00024	.00541	.00479	.00012	-.00004	.00020	.00056
#2	.00013	.00206	.00205	.00457	-.00022	.00026	.00415	-.00020	.00009	-.00010	.00006	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00724**	**.15007**	**-.00125**	**.01060**	**.00016**	**.00027**	F **.33518**	**-.00001**	**.00044**	**.00022**	**.02518**	F **.00716**
Stddev	.00299	.00650	.00245	.00453	.00012	.00016	.05195	.00014	.00192	.00108	.00360	.00273
%RSD	41.351	4.3313	195.92	42.698	74.255	58.090	15.498	1063.6	439.38	494.61	14.307	38.068
#1	.00936	.15467	-.00299	.01380	.00024	.00016	.37191	.00008	.00180	-.00054	.02773	.00524
#2	.00512	.14547	.00048	.00740	.00007	.00039	.29845	-.00011	-.00092	.00098	.02264	.00909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**.01594**	**.03412**	**.00019**	**.00024**	**-.00018**	**.00044**	**.00130**	**-.01167**	**.00046**	**.00329**	**.00154**
Stddev	.00199	.00072	.00153	.00020	.00002	.00117	.00019	.00093	.00816	.00002	.00036	.00155
%RSD	86.999	4.4940	4.4940	105.95	6.9127	633.31	43.080	71.717	69.910	4.8239	10.874	100.26
#1	.00088	.01645	.03520	.00033	.00023	.00064	.00058	.00064	-.00590	.00048	.00355	.00045
#2	.00370	.01544	.03303	.00005	.00025	-.00101	.00031	.00196	-.01745	.00045	.00304	.00264
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8008.8**	**100950.**	**8039.9**
Stddev	33.0	476.	25.0
%RSD	.41161	.47146	.31118
#1	8032.1	100610.	8057.6
#2	7985.5	101280.	8022.3

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:55:40 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.11075**	**.01384**	**.10129**	**.01043**	**.00112**	**.12077**	**.20691**	**.00529**	**.01063**	**.01045**	**.01569**	**.10313**
Stddev	.00059	.00129	.00040	.00084	.00005	.00005	.00060	.00022	.00002	.00021	.00009	.00011	.00189
%RSD	6.0102	1.1609	2.9008	.82746	.45278	4.2418	.49367	.10442	.36461	1.9494	.85429	.72637	1.8307
#1	.01032	.10984	.01412	.10188	.01040	.00115	.12035	.20676	.00530	.01049	.01051	.01561	.10446
#2	.00948	.11166	.01355	.10069	.01046	.00108	.12119	.20707	.00528	.01078	.01039	.01577	.10179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2038**	**.00918**	**.21268**	**.01052**	**.02068**	**1.2961**	**.04262**	**2.8831**	**.01100**	**.02281**	F **.01345**	**.01864**	**.49201**
Stddev	.0084	.00240	.00234	.00006	.00012	.0008	.00048	.0015	.00006	.00123	.00113	.00005	.00213
%RSD	.26344	26.116	1.1019	.55647	.59953	.05791	1.1341	.05212	.50856	5.3859	8.4351	.27345	.43367
#1	3.1978	.01088	.21433	.01057	.02077	1.2967	.04228	2.8820	.01096	.02368	.01425	.01861	.49352
#2	3.2098	.00749	.21102	.01048	.02059	1.2956	.04296	2.8841	.01104	.02194	.01264	.01868	.49050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0529**	**.10331**	**.01032**	**.01687**	**.01015**	**.01736**	**.04461**	**.00986**	**.02528**	**.01474**
Stddev	.0046	.00036	.00017	.00013	.00016	.00009	.05427	.00025	.00011	.00224
%RSD	.43367	.34977	1.6203	.75304	1.6199	.53114	121.65	2.5525	.43870	15.193
#1	1.0561	.10306	.01044	.01678	.01004	.01743	.00624	.00968	.02536	.01633
#2	1.0497	.10357	.01020	.01696	.01027	.01730	.08299	.01004	.02520	.01316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.0**	**101490.**	**8080.1**
Stddev	14.5	166.	49.7
%RSD	.18043	.16319	.61548
#1	8023.3	101610.	8045.0
#2	8002.8	101370.	8115.3

Sample Name: 280-48773-c-4-c Acquired: 11/8/2013 20:57:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.03410**	**.00019**	**1.0635**	**.01556**	**.00018**	**-.00254**	**54.523**	**.00040**	**.00058**
Stddev	.00101	.00039	.00148	.0018	.00023	.00003	.00279	.139	.00029	.00006
%RSD	86.655	1.1387	796.36	.16637	1.4622	17.262	109.87	.25499	72.357	9.8931
#1	-.00045	.03383	-.00086	1.0622	.01572	.00020	-.00451	54.424	.00060	.00062
#2	-.00187	.03438	.00123	1.0647	.01540	.00016	-.00057	54.621	.00019	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00232**	**.14763**	**.76202**	**.03989**	**11.025**	**.93654**	**.00586**	W **947.04**	**.00153**
Stddev	.00015	.00006	.00173	.15173	.00094	.037	.00160	.00004	.12	.00007
%RSD	67.244	2.8020	1.1713	19.912	2.3619	.33562	.17079	.66005	.01233	4.5913
#1	.00012	.00236	.14885	.65473	.03923	11.051	.93767	.00588	946.96	.00158
#2	.00033	.00227	.14640	.86931	.04056	10.999	.93541	.00583	947.13	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01888**	**.00133**	F **321.61**	**.00203**	**.00059**	**4.7263**	**10.114**	**-.00026**	**1.3435**	**-.00066**
Stddev	.00104	.00037	.21	.00200	.00210	.0087	.019	.00035	.0005	.00074
%RSD	5.5223	27.494	.06647	98.845	356.30	.18449	.18449	138.00	.03951	112.16
#1	.01962	.00107	321.76	.00061	.00208	4.7201	10.101	-.00001	1.3431	-.00119
#2	.01814	.00159	321.46	.00344	-.00090	4.7325	10.128	-.00051	1.3439	-.00014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00012**	**.04146**	**.00442**	**.01271**	**.00005**
Stddev	.00038	.00037	.01454	.00030	.00002	.00286
%RSD	35.560	296.63	35.069	6.8454	.12473	5415.5
#1	.00133	-.00038	.03118	.00464	.01270	.00207
#2	.00080	.00014	.05174	.00421	.01272	-.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7312.6**	**88954.**	**7976.2**
Stddev	15.7	603.	.3
%RSD	.21405	.67840	.00325
#1	7323.7	88527.	7976.4
#2	7301.5	89380.	7976.0

Sample Name: 280-48773-c-5-c Acquired: 11/8/2013 21:00:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.00450**	**.00084**	**1.6629**	**.01324**	**.00006**	**-.00050**	**88.233**	**.00064**	**-.00030**
Stddev	.00069	.00018	.00187	.0045	.00023	.00003	.00194	.103	.00009	.00021
%RSD	69.649	4.0608	224.22	.27060	1.7206	57.226	385.10	.11707	13.931	71.533
#1	-.00149	.00437	-.00049	1.6597	.01340	.00008	-.00187	88.160	.00070	-.00015
#2	-.00051	.00463	.00216	1.6660	.01308	.00003	.00087	88.306	.00058	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00275**	**.00615**	**1.9246**	**.09786**	**16.157**	**.16236**	**.00706**	W **1307.4**	**.00034**
Stddev	.00018	.00019	.00291	.1457	.00061	.023	.00035	.00012	.8	.00019
%RSD	31.192	7.0126	47.271	7.5700	.61864	.14521	.21710	1.6587	.06428	54.545
#1	.00069	.00262	.00409	1.8216	.09743	16.140	.16211	.00698	1308.0	.00047
#2	.00044	.00289	.00821	2.0276	.09829	16.174	.16261	.00715	1306.8	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03381**	**-.00039**	F **485.54**	**-.00058**	**.03723**	**6.1586**	**13.179**	**-.00137**	**2.4402**	**-.00482**
Stddev	.00124	.00004	.53	.00119	.00691	.0278	.059	.00025	.0039	.00205
%RSD	3.6758	9.2524	.10843	206.30	18.547	.45128	.45128	18.197	.15869	42.588
#1	.03469	-.00042	485.17	-.00142	.04212	6.1782	13.221	-.00155	2.4429	-.00337
#2	.03293	-.00037	485.91	.00027	.03235	6.1389	13.137	-.00120	2.4374	-.00627
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00024**	**.10298**	**.00240**	**.00415**	**.00102**
Stddev	.00027	.00032	.04302	.00041	.00009	.00082
%RSD	635.60	136.08	41.772	17.227	2.1158	79.532
#1	-.00024	-.00001	.07256	.00269	.00409	.00045
#2	.00015	-.00046	.13339	.00211	.00421	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7193.1**	**87591.**	**7910.7**
Stddev	5.0	314.	8.0
%RSD	.06976	.35902	.10166
#1	7189.5	87813.	7905.0
#2	7196.6	87368.	7916.4

Sample Name: 280-48773-c-6-c Acquired: 11/8/2013 21:03:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.00715**	**.00133**	**1.7421**	**.00730**	**.00010**	**.00026**	**29.044**	**.00008**	**-.00057**
Stddev	.00017	.00017	.00204	.0005	.00021	.00007	.00323	.033	.00017	.00009
%RSD	23.414	2.3242	152.78	.02927	2.8436	72.643	1259.3	.11280	204.98	16.115
#1	-.00062	.00704	-.00011	1.7425	.00745	.00005	-.00202	29.020	.00021	-.00063
#2	-.00086	.00727	.00278	1.7418	.00715	.00015	.00254	29.067	-.00004	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.00194**	**.03343**	**1.7127**	**.28880**	**5.0972**	**.00028**	**.00863**	W **921.88**	**-.00025**
Stddev	.00000	.00015	.00219	.0041	.00135	.0153	.00002	.00000	1.66	.00003
%RSD	.08087	7.5745	6.5638	.23688	.46612	.29974	6.6771	.05161	.17998	13.700
#1	.00185	.00204	.03188	1.7098	.28785	5.0863	.00029	.00863	920.71	-.00022
#2	.00185	.00183	.03498	1.7156	.28976	5.1080	.00027	.00863	923.05	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**-.00002**	F **396.32**	**.00061**	**.08632**	**3.9283**	**8.4066**	**-.00017**	**2.0680**	**-.00193**
Stddev	.00204	.00103	.75	.00029	.00185	.0238	.0509	.00044	.0031	.00123
%RSD	12.008	4312.7	.18906	48.170	2.1430	.60553	.60553	254.95	.15104	63.489
#1	.01553	-.00075	396.85	.00081	.08762	3.9115	8.3706	.00014	2.0658	-.00280
#2	.01841	.00070	395.79	.00040	.08501	3.9451	8.4425	-.00049	2.0702	-.00107
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00083**	**.06346**	**.01631**	**.00830**	**.00171**
Stddev	.00005	.00080	.01032	.00059	.00026	.00134
%RSD	148.17	96.658	16.264	3.6122	3.1378	78.467
#1	-.00007	.00026	.05616	.01590	.00849	.00266
#2	.00000	.00140	.07076	.01673	.00812	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7449.0**	**91500.**	**8165.3**
Stddev	29.8	490.	.2
%RSD	.40004	.53557	.00280
#1	7427.9	91846.	8165.2
#2	7470.0	91153.	8165.5

Sample Name: 280-48773-c-7-c Acquired: 11/8/2013 21:05:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.00658**	**.00239**	**1.3849**	**.00824**	**.00010**	**-.00018**	**21.305**	**.00007**	**-.00055**
Stddev	.00028	.00007	.00272	.0072	.00027	.00003	.00112	.023	.00010	.00009
%RSD	38.839	1.0518	113.48	.52017	3.3027	31.185	627.73	.10863	143.18	16.964
#1	-.00052	.00653	.00047	1.3798	.00843	.00013	-.00097	21.289	.00000	-.00049
#2	-.00091	.00663	.00431	1.3900	.00805	.00008	.00061	21.322	.00014	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00137**	**.00704**	**2.5650**	**.45607**	**2.4759**	**.00023**	**.00157**	W **1053.9**	**-.00031**
Stddev	.00015	.00024	.00077	.0411	.00379	.0001	.00003	.00010	1.2	.00016
%RSD	17.023	17.547	10.946	1.6033	.83098	.00429	13.275	6.3634	.11458	50.861
#1	.00079	.00120	.00649	2.5359	.45339	2.4760	.00026	.00165	1053.0	-.00042
#2	.00101	.00153	.00758	2.5941	.45875	2.4759	.00021	.00150	1054.7	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01121**	**-.00030**	F **370.74**	**-.00026**	**.07358**	**4.3389**	**9.2851**	**-.00067**	**1.6576**	**-.00318**
Stddev	.00000	.00083	.24	.00180	.00074	.0465	.0995	.00004	.0034	.00152
%RSD	.00291	280.64	.06519	702.15	1.0078	1.0712	1.0712	5.6035	.20610	47.702
#1	.01121	-.00088	370.91	.00101	.07306	4.3060	9.2148	-.00064	1.6552	-.00211
#2	.01121	.00029	370.57	-.00153	.07411	4.3717	9.3555	-.00069	1.6600	-.00425
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00221**	**.04509**	**.04479**	**.00460**	**.00285**
Stddev	.00008	.00049	.04894	.00035	.00039	.00506
%RSD	74.619	22.128	108.55	.77436	8.4281	177.70
#1	-.00005	.00186	.01048	.04455	.00433	-.00073
#2	-.00016	.00255	.07969	.04504	.00487	.00642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7392.7**	**90659.**	**8105.1**
Stddev	1.0	184.	31.9
%RSD	.01308	.20267	.39388
#1	7393.4	90789.	8127.7
#2	7392.1	90529.	8082.5

Sample Name: 280-48773-c-8-e Acquired: 11/8/2013 21:08:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.02858**	**.00013**	**1.3249**	**.01359**	**.00011**	**-.00148**	**50.626**	**.00046**	**-.00038**
Stddev	.00029	.00022	.00075	.0018	.00030	.00002	.00189	.001	.00016	.00028
%RSD	8139.9	.77488	567.71	.13566	2.1746	16.010	127.43	.00255	35.351	74.238
#1	.00021	.02874	.00066	1.3237	.01379	.00012	-.00015	50.625	.00058	-.00018
#2	-.00020	.02842	-.00040	1.3262	.01338	.00009	-.00282	50.627	.00035	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00196**	**.04855**	**1.5811**	**.16393**	**10.827**	**.00622**	**.00175**	W **1023.6**	**.00005**
Stddev	.00000	.00040	.00010	.0387	.00022	.068	.00003	.00010	1.5	.00023
%RSD	1.1436	20.459	.21257	2.4477	.13293	.62387	.44834	5.4976	.14185	421.70
#1	.00021	.00168	.04848	1.5538	.16377	10.875	.00620	.00168	1022.6	-.00011
#2	.00021	.00224	.04862	1.6085	.16408	10.779	.00623	.00181	1024.7	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04645**	**.00097**	F **356.05**	**.00063**	**.06392**	**4.5748**	**9.7901**	**-.00070**	**1.8079**	**-.00136**
Stddev	.00076	.00036	.57	.00184	.00043	.0436	.0934	.00052	.0021	.00180
%RSD	1.6360	36.643	.16125	292.40	.67170	.95378	.95378	73.545	.11530	132.27
#1	.04699	.00122	355.64	-.00067	.06423	4.6056	9.8561	-.00034	1.8064	-.00264
#2	.04591	.00072	356.45	.00193	.06362	4.5439	9.7240	-.00106	1.8094	-.00009
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00062**	**.01728**	**.00227**	**.01597**	**.00133**
Stddev	.00012	.00005	.00549	.00024	.00012	.00005
%RSD	37.669	8.2993	31.796	10.651	.73978	4.0979
#1	.00041	.00066	.01339	.00244	.01605	.00129
#2	.00024	.00059	.02116	.00210	.01589	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7471.7**	**92011.**	**8280.0**
Stddev	.2	660.	28.6
%RSD	.00223	.71680	.34499
#1	7471.6	91545.	8300.2
#2	7471.8	92478.	8259.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:11:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**50.867**	**.00556**	**.01059**	**.00021**	**.00008**	**1.0038**	**.01003**	**.00014**	**-.00087**	**-.00003**	**.00728**	**49.167**
Stddev	.00041	.032	.00365	.00072	.00035	.00003	.0071	.00354	.00008	.00009	.00015	.00023	.304
%RSD	10.899	.06257	65.660	6.8229	170.84	38.010	.70704	35.292	52.930	10.696	466.18	3.1431	.61779
#1	.00346	50.889	.00298	.01110	.00045	.00010	1.0088	.01253	.00009	-.00094	.00007	.00712	48.952
#2	.00404	50.844	.00814	.01008	-.00004	.00006	.99881	.00753	.00020	-.00081	-.00014	.00744	49.382
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27869**	**-.00100**	**.08672**	**.00037**	**-.00049**	**257.83**	**-.00016**	**.00088**	**.00234**	**5.1359**	**.00017**	**-.00002**	**.02264**
Stddev	.01622	.00099	.00310	.00006	.00030	1.27	.00006	.00038	.00083	.0500	.00194	.00414	.01359
%RSD	5.8195	99.101	3.5718	17.013	60.843	.49264	35.944	43.485	35.367	.97359	1171.9	19150.	60.043
#1	.26722	-.00030	.08891	.00032	-.00070	258.73	-.00012	.00115	.00292	5.1713	-.00120	.00291	.01303
#2	.29016	-.00171	.08453	.00041	-.00028	256.94	-.00020	.00061	.00175	5.1006	.00153	-.00295	.03225
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04844**	**-.00003**	**.00065**	**4.8721**	**-.00483**	**.00096**	**10.261**	**.00052**	**.00178**	**.01795**
Stddev	.02909	.00036	.00007	.0131	.00001	.00032	.028	.00000	.00046	.00080
%RSD	60.043	1149.7	10.312	.26813	.24944	33.137	.27612	.95011	26.023	4.4374
#1	.02787	.00022	.00070	4.8813	-.00482	.00073	10.241	.00052	.00146	.01852
#2	.06901	-.00029	.00060	4.8629	-.00484	.00118	10.281	.00052	.00211	.01739
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.6**	**98115.**	**8329.9**
Stddev	14.0	445.	32.5
%RSD	.17796	.45315	.39046
#1	7868.7	97801.	8352.9
#2	7888.5	98430.	8306.9

Sample Name: CCV-2357614 Acquired: 11/8/2013 21:14:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50048**	**.52189**	**1.0023**	**.50979**	**.51136**	**.50360**	**.00380**	**5.0777**	**.50835**	**.51071**	**.50332**	**.51386**	**2.4556**
Stddev	.00126	.00088	.0006	.00048	.00001	.00044	.00264	.0034	.00045	.00042	.00024	.00013	.0165
%RSD	.25097	.16835	.06049	.09347	.00120	.08657	69.539	.06598	.08880	.08153	.04673	.02434	.67081
#1	.49959	.52126	1.0019	.50945	.51137	.50391	.00193	5.0800	.50803	.51041	.50315	.51377	2.4672
#2	.50137	.52251	1.0028	.51012	.51136	.50329	.00567	5.0753	.50867	.51100	.50348	.51394	2.4439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.698**	**1.0178**	**19.828**	**.50759**	**.50516**	F **5.8742**	**.50962**	**.99740**	**1.0311**	**.07762**	**1.0237**	**.99920**	**5.0032**
Stddev	.009	.0020	.014	.00169	.00146	.0139	.00099	.00460	.0066	.00362	.0022	.00081	.0204
%RSD	.01830	.19505	.06951	.33333	.28967	.23711	.19451	.46116	.64448	4.6628	.21588	.08096	.40855
#1	51.692	1.0192	19.818	.50639	.50413	5.8841	.50892	.99415	1.0264	.08018	1.0221	.99977	5.0177
#2	51.705	1.0164	19.838	.50878	.50619	5.8644	.51032	1.0007	1.0358	.07506	1.0252	.99863	4.9888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.707**	**1.0053**	**.50740**	**-.00224**	**.51159**	**1.0328**	**.03051**	**.51009**	**.50532**	**.51159**
Stddev	.044	.0033	.00030	.00106	.00026	.0079	.02013	.00158	.00078	.00236
%RSD	.40855	.32693	.06003	47.606	.05063	.76159	65.979	.31066	.15421	.46096
#1	10.738	1.0030	.50761	-.00299	.51141	1.0272	.01628	.50897	.50477	.51326
#2	10.676	1.0076	.50718	-.00148	.51178	1.0383	.04475	.51121	.50587	.50993
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.8**	**101320.**	**8310.7**
Stddev	26.7	621.	60.1
%RSD	.33044	.61335	.72286
#1	8109.7	101760.	8353.1
#2	8071.9	100880.	8268.2

Sample Name: CCB Acquired: 11/8/2013 21:16:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00318**	**.00012**	W **.00492**	**.00014**	**.00018**	**.00071**	**.00369**	**.00019**	**-.00030**	**.00010**	**.00021**
Stddev	.00008	.00050	.00139	.00025	.00001	.00008	.00088	.00336	.00002	.00036	.00023	.00030
%RSD	23.602	15.562	1146.9	5.0876	6.3111	46.287	124.69	91.003	12.072	118.28	238.96	140.74
#1	-.00029	.00353	-.00086	.00510	.00013	.00024	.00008	.00132	.00021	-.00005	-.00007	.00042
#2	-.00041	.00283	.00110	.00475	.00014	.00012	.00133	.00606	.00017	-.00055	.00026	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.15799**	**-.00068**	**.00422**	**.00002**	**.00065**	F **.41243**	**.00020**	**.00046**	**.00137**	**.05940**	F **.00777**
Stddev	.00110	.03066	.00154	.00007	.00003	.00007	.00189	.00030	.00089	.00041	.00439	.00015
%RSD	31.680	19.408	225.76	1.6618	158.25	10.154	.45853	154.76	194.32	30.139	7.3959	1.9949
#1	.00269	.13631	.00041	.00417	.00003	.00061	.41377	-.00002	-.00017	.00108	.06251	.00766
#2	.00424	.17968	-.00177	.00427	.00000	.00070	.41110	.00041	.00109	.00166	.05629	.00788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.00420**	**.00898**	**.00020**	**.00014**	**.00187**	**.00017**	**.00020**	**-.03390**	**-.00019**	**.00304**	**.00156**
Stddev	.00024	.01827	.03909	.00011	.00010	.00006	.00038	.00067	.00641	.00039	.00004	.00102
%RSD	8.3504	435.11	435.11	58.311	71.540	3.0862	228.32	332.75	18.899	201.31	1.4626	65.441
#1	.00301	-.00872	-.01866	.00011	.00007	.00191	.00044	-.00027	-.02937	.00008	.00301	.00084
#2	.00268	.01712	.03663	.00028	.00022	.00182	-.00010	.00067	-.03843	-.00047	.00307	.00228
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8088.6**	**103210.**	**8188.2**
Stddev	.9	478.	23.9
%RSD	.01113	.46267	.29208
#1	8089.3	103550.	8171.2
#2	8088.0	102870.	8205.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 21:18:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**.11090**	**.01766**	**.10010**	**.01005**	**.00101**	**.12111**	**.20837**	**.00519**	**.01059**	**.01055**	**.01574**	**.10342**
Stddev	.00019	.00255	.00218	.00061	.00011	.00005	.00178	.00085	.00006	.00006	.00003	.00028	.00100
%RSD	1.9765	2.3014	12.325	.60524	1.1388	5.3516	1.4660	.40894	1.1943	.55819	.31571	1.7812	.96938
#1	.00971	.10909	.01920	.10053	.01013	.00105	.12237	.20777	.00524	.01055	.01058	.01594	.10413
#2	.00999	.11270	.01612	.09967	.00997	.00097	.11986	.20897	.00515	.01063	.01053	.01554	.10271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2106**	**.01025**	**.20915**	**.01037**	**.02005**	F **1.3957**	**.04224**	**2.8773**	**.00989**	**.05937**	**.01087**	**.01563**	**.49495**
Stddev	.0108	.00058	.00262	.00001	.00008	.0168	.00027	.0031	.00006	.00913	.00154	.00195	.00283
%RSD	.33557	5.6591	1.2515	.13480	.41133	1.2008	.63952	.10794	.63462	15.372	14.130	12.488	.57087
#1	3.2030	.01066	.20730	.01036	.02011	1.3839	.04204	2.8751	.00994	.05292	.00979	.01425	.49295
#2	3.2182	.00984	.21100	.01038	.02000	1.4076	.04243	2.8794	.00985	.06582	.01196	.01701	.49694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0592**	**.10295**	**.01042**	**.01499**	**.01016**	**.01734**	**.05212**	**.00968**	**.02478**	**.01722**
Stddev	.0060	.00037	.00006	.00022	.00050	.00189	.01427	.00037	.00022	.00096
%RSD	.57087	.36118	.58383	1.4578	4.9234	10.901	27.381	3.7858	.89361	5.5966
#1	1.0549	.10269	.01038	.01484	.00981	.01867	.04203	.00942	.02493	.01790
#2	1.0635	.10321	.01046	.01514	.01052	.01600	.06221	.00994	.02462	.01654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8102.8**	**102560.**	**8272.2**
Stddev	22.0	379.	16.8
%RSD	.27102	.36917	.20336
#1	8087.3	102290.	8260.3
#2	8118.4	102830.	8284.1

Sample Name: mb 280-199576/1-a Acquired: 11/8/2013 21:20:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00392**	**.00146**	**.00376**	**.00036**	**.00020**	**.00263**	**.00940**	**.00034**	**-.00018**
Stddev	.00008	.00014	.00028	.00023	.00004	.00006	.00080	.00249	.00007	.00018
%RSD	28.206	3.5441	19.411	6.0897	10.081	29.104	30.303	26.505	21.802	103.32
#1	-.00033	.00382	.00126	.00360	.00039	.00024	.00320	.00764	.00040	-.00030
#2	-.00022	.00402	.00167	.00392	.00033	.00016	.00207	.01116	.00029	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00000**	**.01653**	**.07902**	**.00012**	**.00031**	**.00042**	**-.00005**	**.28665**	**.00024**
Stddev	.00018	.00090	.00064	.00951	.00038	.00126	.00003	.00006	.00939	.00026
%RSD	109.17	57236.	3.8593	12.033	309.92	406.23	7.0470	120.44	3.2760	107.88
#1	.00004	.00064	.01698	.07229	.00039	.00120	.00040	-.00009	.29329	.00006
#2	.00030	-.00064	.01608	.08574	-.00015	-.00058	.00044	-.00001	.28001	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00075**	**.04256**	**.00056**	**.00496**	**.00719**	**.01539**	**-.00021**	**.00008**	**.00078**
Stddev	.00039	.00057	.00263	.00147	.00491	.00592	.01267	.00079	.00000	.00069
%RSD	289.06	75.071	6.1770	260.35	99.012	82.351	82.351	368.10	2.1056	87.850
#1	-.00014	.00115	.04070	.00160	.00842	.00300	.00643	-.00077	.00008	.00030
#2	.00041	.00035	.04442	-.00047	.00149	.01138	.02435	.00034	.00008	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00070**	**.00774**	**-.00065**	**.00755**	**.00079**
Stddev	.00044	.00103	.02010	.00012	.00005	.00022
%RSD	120.52	148.28	259.61	18.872	.70563	27.765
#1	.00068	-.00143	.02196	-.00074	.00751	.00063
#2	.00005	.00003	-.00647	-.00057	.00759	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.1**	**104830.**	**8363.6**
Stddev	4.1	697.	17.6
%RSD	.04946	.66536	.20995
#1	8222.2	104340.	8376.0
#2	8228.0	105320.	8351.1

Sample Name: lcs 280-199576/2-a Acquired: 11/8/2013 21:23:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04950**	**1.9675**	**1.0064**	**1.0074**	**2.0754**	**.05066**	**2.2813**	**50.065**	**.10516**	**.50070**
Stddev	.00095	.0033	.0060	.0033	.0095	.00000	.0039	.207	.00011	.00174
%RSD	1.9137	.16797	.59158	.32463	.45875	.00296	.17013	.41281	.10879	.34828
#1	.05017	1.9651	1.0022	1.0051	2.0686	.05066	2.2786	49.919	.10524	.49947
#2	.04883	1.9698	1.0106	1.0097	2.0821	.05066	2.2840	50.212	.10508	.50193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20312**	**.26095**	**1.0635**	**52.586**	**1.0256**	**49.653**	**.50344**	**1.0207**	**53.999**	**.50030**
Stddev	.00085	.00045	.0067	.178	.0054	.052	.00023	.0029	.229	.00199
%RSD	.41909	.17376	.62679	.33818	.52650	.10424	.04615	.28626	.42334	.39714
#1	.20252	.26063	1.0588	52.460	1.0218	49.690	.50360	1.0187	53.837	.49890
#2	.20372	.26127	1.0682	52.711	1.0294	49.617	.50327	1.0228	54.160	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.155**	**.50062**	**.02565**	**.51006**	**1.9907**	**10.056**	**21.519**	**2.0080**	**1.0267**	**1.0226**
Stddev	.027	.00168	.00027	.00060	.0019	.004	.009	.0041	.0031	.0039
%RSD	.27000	.33507	1.0569	.11750	.09612	.04114	.04114	.20214	.29989	.38320
#1	10.135	.49943	.02546	.50963	1.9894	10.053	21.513	2.0109	1.0245	1.0199
#2	10.174	.50180	.02584	.51048	1.9921	10.058	21.525	2.0051	1.0289	1.0254
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0312**	**1.9841**	**2.1700**	**.51752**	**.50314**	**.51641**
Stddev	.0014	.0054	.0030	.00015	.00129	.00491
%RSD	.13173	.27025	.13818	.02926	.25668	.95073
#1	1.0302	1.9879	2.1678	.51741	.50405	.51988
#2	1.0321	1.9803	2.1721	.51763	.50223	.51294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7888.1**	**98843.**	**8316.3**
Stddev	7.2	77.	46.1
%RSD	.09118	.07758	.55491
#1	7883.1	98789.	8348.9
#2	7893.2	98897.	8283.6

Sample Name: 280-48773-c-1-a Acquired: 11/8/2013 21:25:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00475**	**.00099**	**1.1743**	**.01859**	**.00012**	**.00005**	**18.818**	**.00047**	**-.00006**
Stddev	.00033	.00006	.00010	.0059	.00028	.00006	.00121	.038	.00010	.00001
%RSD	58.808	1.3606	9.9083	.49974	1.5020	52.572	2226.0	.20249	20.915	13.602
#1	-.00079	.00480	.00092	1.1701	.01839	.00007	-.00080	18.845	.00040	-.00006
#2	-.00033	.00471	.00106	1.1784	.01879	.00016	.00091	18.791	.00054	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00418**	**.00473**	**.85818**	**.03200**	**7.0276**	**.11402**	**.02998**	W **914.23**	**.00443**
Stddev	.00021	.00036	.00064	.07531	.00305	.0675	.00092	.00060	1.50	.00006
%RSD	312.42	8.6115	13.487	8.7753	9.5177	.96105	.80558	2.0163	.16442	1.4600
#1	-.00008	.00444	.00518	.80493	.02984	7.0754	.11467	.02955	915.30	.00439
#2	.00021	.00393	.00428	.91143	.03415	6.9799	.11337	.03041	913.17	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09523**	**.00053**	F **242.52**	**.00056**	**.00089**	**4.0359**	**8.6369**	**-.00066**	**.59853**	**-.00152**
Stddev	.00048	.00074	.42	.00121	.00098	.0199	.0426	.00014	.00057	.00283
%RSD	.50309	137.97	.17320	217.41	110.81	.49271	.49271	21.184	.09473	185.64
#1	.09489	.00001	242.23	.00142	.00158	4.0219	8.6068	-.00076	.59894	.00048
#2	.09557	.00106	242.82	-.00030	.00019	4.0500	8.6670	-.00056	.59813	-.00352
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00199**	**-.00327**	**.00424**	**.00551**	**-.00106**
Stddev	.00014	.00069	.06067	.00030	.00040	.00139
%RSD	39.318	34.611	1854.3	7.1627	7.2575	130.95
#1	.00026	.00151	-.04617	.00402	.00523	-.00205
#2	.00046	.00248	.03963	.00445	.00579	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7432.7**	**91914.**	**8114.9**
Stddev	5.0	421.	23.3
%RSD	.06663	.45781	.28710
#1	7436.2	91616.	8098.4
#2	7429.2	92211.	8131.4

Sample Name: 280-48773-c-1-aSD@5 Acquired: 11/8/2013 21:27:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.01010**	**.00123**	**.24446**	**.00407**	**.00008**	**.00150**	**3.8484**	**.00033**	**-.00026**
Stddev	.00030	.00029	.00084	.00014	.00009	.00002	.00290	.0169	.00007	.00009
%RSD	49.290	2.8616	68.496	.05686	2.1793	21.231	193.51	.43854	19.963	35.950
#1	-.00040	.01030	.00183	.24456	.00414	.00009	.00354	3.8365	.00028	-.00019
#2	-.00082	.00989	.00064	.24436	.00401	.00006	-.00055	3.8604	.00037	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00170**	**.01906**	**.28576**	**.00514**	**1.4306**	**.02277**	**.00599**	**182.02**	**.00065**
Stddev	.00002	.00053	.00079	.10031	.00248	.0027	.00003	.00021	.18	.00041
%RSD	11.310	30.942	4.1692	35.103	48.250	.18800	.11718	3.4836	.09985	62.126
#1	.00017	.00207	.01850	.35669	.00689	1.4325	.02275	.00584	182.15	.00094
#2	.00014	.00133	.01962	.21483	.00339	1.4287	.02279	.00614	181.89	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01956**	**.00042**	**46.798**	**.00132**	**.00038**	**.79631**	**1.7041**	**.00299**	**.11963**	**-.00035**
Stddev	.00195	.00017	.100	.00050	.00082	.00358	.0077	.00020	.00008	.00091
%RSD	9.9711	39.576	.21402	37.808	214.49	.44925	.44925	6.5378	.06641	261.25
#1	.02093	.00030	46.869	.00167	-.00020	.79378	1.6987	.00312	.11957	.00029
#2	.01818	.00054	46.727	.00097	.00096	.79884	1.7095	.00285	.11969	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00060**	**-.00036**	**.00065**	**.00758**	**.00235**
Stddev	.00000	.00017	.01246	.00006	.00032	.00134
%RSD	1.5160	28.003	3442.5	8.4892	4.2260	56.831
#1	.00015	.00048	.00845	.00069	.00781	.00330
#2	.00015	.00072	-.00917	.00061	.00735	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.2**	**97821.**	**8074.7**
Stddev	6.9	27.	43.4
%RSD	.08868	.02811	.53763
#1	7735.0	97801.	8044.1
#2	7725.3	97840.	8105.4

Sample Name: 280-48773-c-1-b ms Acquired: 11/8/2013 21:30:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04928	1.8939	1.0379	2.0689	2.0778	.05041	F 2.2025	67.626	.10581	.49266
Stddev	.00030	.0031	.0009	.0002	.0007	.00002	.0128	.059	.00043	.00039
%RSD	.60273	.16570	.08998	.00973	.03255	.04108	.58297	.08719	.40544	.07923
#1	.04907	1.8961	1.0372	2.0688	2.0773	.05043	2.1934	67.667	.10550	.49293
#2	.04949	1.8917	1.0385	2.0691	2.0783	.05040	2.2116	67.584	.10611	.49238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19967	.26195	.97344	55.633	1.0626	55.145	.61535	1.0417	W 935.86	.49812
Stddev	.00102	.00023	.00172	.142	.0002	.016	.00064	.0002	.75	.00208
%RSD	.50984	.08904	.17635	.25579	.02058	.02821	.10376	.02032	.07990	.41678
#1	.19895	.26212	.97465	55.532	1.0628	55.134	.61490	1.0418	935.33	.49666
#2	.20039	.26179	.97223	55.734	1.0624	55.156	.61581	1.0415	936.39	.49959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.669	.47521	F 233.21	.50594	2.0162	13.830	29.596	1.9611	1.6015	1.0349
Stddev	.021	.00243	.04	.00106	.0046	.078	.167	.0074	.0013	.0016
%RSD	.19657	.51048	.01929	.21023	.22694	.56486	.56486	.37641	.08327	.15293
#1	10.684	.47350	233.24	.50519	2.0129	13.775	29.478	1.9559	1.6005	1.0360
#2	10.654	.47693	233.18	.50669	2.0194	13.885	29.714	1.9663	1.6024	1.0337
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0476	1.7649	2.1336	.53097	.52115	.51504
Stddev	.0021	.0059	.0478	.00086	.00052	.00283
%RSD	.20339	.33216	2.2422	.16282	.09981	.55034
#1	1.0461	1.7608	2.1674	.53036	.52079	.51705
#2	1.0491	1.7691	2.0997	.53158	.52152	.51304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7431.7	91443.	8188.4
Stddev	15.0	554.	45.3
%RSD	.20123	.60563	.55316
#1	7421.1	91834.	8156.3
#2	7442.2	91051.	8220.4

Sample Name: 280-48773-c-1-c msd Acquired: 11/8/2013 21:32:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04959**	**1.8707**	**1.0356**	**2.0876**	**2.0712**	**.05019**	F **2.1954**	**67.888**	**.10523**	**.48994**
Stddev	.00015	.0034	.0020	.0057	.0070	.00014	.0003	.253	.00007	.00105
%RSD	.30201	.18049	.19437	.27357	.33745	.27006	.01340	.37339	.06612	.21397
#1	.04969	1.8684	1.0342	2.0836	2.0762	.05028	2.1952	68.067	.10518	.48920
#2	.04948	1.8731	1.0370	2.0917	2.0663	.05009	2.1956	67.709	.10527	.49068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19862**	**.26091**	**.96924**	**55.689**	**1.0619**	**54.957**	**.61340**	**1.0375**	W **952.85**	**.49464**
Stddev	.00037	.00066	.00031	.073	.0034	.106	.00096	.0002	2.24	.00015
%RSD	.18380	.25433	.03206	.13029	.31549	.19228	.15694	.02196	.23527	.02960
#1	.19837	.26045	.96902	55.741	1.0643	54.882	.61272	1.0374	954.44	.49454
#2	.19888	.26138	.96946	55.638	1.0595	55.031	.61408	1.0377	951.27	.49475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.693**	**.47055**	F **236.88**	**.50321**	**2.0105**	**14.019**	**30.001**	**1.9460**	**1.6099**	**1.0331**
Stddev	.003	.00215	.54	.00163	.0000	.114	.245	.0054	.0044	.0013
%RSD	.03132	.45620	.22839	.32440	.00146	.81631	.81631	.27825	.27560	.12202
#1	10.690	.46904	236.50	.50205	2.0105	13.938	29.828	1.9422	1.6130	1.0322
#2	10.695	.47207	237.26	.50436	2.0105	14.100	30.174	1.9498	1.6068	1.0340
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0371**	**1.7497**	**2.1128**	**.52646**	**.51551**	**.51675**
Stddev	.0003	.0030	.0462	.00036	.00203	.00593
%RSD	.03043	.17260	2.1883	.06872	.39466	1.1467
#1	1.0369	1.7475	2.1455	.52620	.51407	.51256
#2	1.0373	1.7518	2.0801	.52671	.51695	.52094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7496.4**	**92279.**	**8248.9**
Stddev	3.4	271.	29.5
%RSD	.04480	.29362	.35743
#1	7494.1	92471.	8228.0
#2	7498.8	92087.	8269.7

Sample Name: 280-48773-c-1-aPDS Acquired: 11/8/2013 21:34:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05262	.97596	.21229	1.2476	.12127	.05082	-.00066	38.324	.05294	.05046
Stddev	.00080	.00134	.00080	.0030	.00006	.00004	.00465	.054	.00012	.00030
%RSD	1.5133	.13722	.37664	.24036	.04550	.07088	706.78	.14013	.23318	.59770
#1	.05205	.97501	.21172	1.2455	.12123	.05080	-.00395	38.286	.05285	.05067
#2	.05318	.97691	.21285	1.2497	.12131	.05085	.00263	38.362	.05303	.05025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05096	.05692	.97717	23.387	.13507	25.997	.16180	.08104	W 915.24	.05473
Stddev	.00023	.00119	.00878	.056	.00371	.035	.00007	.00028	.20	.00029
%RSD	.45570	2.0851	.89802	.24024	2.7441	.13497	.04199	.34077	.02204	.53307
#1	.05112	.05776	.97097	23.348	.13245	25.972	.16175	.08084	915.38	.05494
#2	.05079	.05608	.98338	23.427	.13769	26.022	.16184	.08123	915.10	.05453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.2735	.09741	F 236.35	.10450	.20664	8.9633	19.181	.10147	.63534	.20596
Stddev	.0063	.00055	.21	.00189	.00009	.0506	.108	.00033	.00081	.00115
%RSD	.27873	.56345	.08725	1.8101	.04206	.56459	.56459	.32446	.12758	.56029
#1	2.2691	.09702	236.20	.10316	.20671	8.9991	19.258	.10170	.63591	.20678
#2	2.2780	.09780	236.49	.10584	.20658	8.9275	19.105	.10123	.63476	.20515
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05331	.17991	.49735	.05663	.21806	.05661
Stddev	.00019	.00244	.00487	.00031	.00011	.00072
%RSD	.35949	1.3581	.97990	.54000	.04908	1.2806
#1	.05344	.17818	.50080	.05641	.21799	.05712
#2	.05317	.18164	.49391	.05684	.21814	.05610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7539.7	93160.	8364.7
Stddev	15.0	390.	36.3
%RSD	.19908	.41830	.43359
#1	7550.3	93435.	8339.0
#2	7529.1	92884.	8390.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:36:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**51.342**	**.00166**	**.01153**	**.00058**	**.00004**	**1.0355**	**.01960**	**-.00002**	**-.00070**	**-.00017**	**.00817**	**49.644**
Stddev	.00042	.129	.00012	.00070	.00001	.00004	.0010	.00180	.00013	.00037	.00004	.00037	.273
%RSD	11.933	.25215	7.3009	6.0447	1.2758	105.12	.09476	9.1924	574.49	52.865	23.320	4.5796	.55058
#1	.00382	51.433	.00175	.01202	.00057	.00007	1.0362	.02087	-.00011	-.00096	-.00020	.00844	49.451
#2	.00323	51.250	.00157	.01103	.00058	.00001	1.0348	.01832	.00007	-.00044	-.00014	.00791	49.837
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34386**	**.00291**	**.08918**	**.00038**	**-.00006**	**261.27**	**-.00015**	**.00431**	**.00115**	**5.2234**	**.00021**	**-.00172**	**.03660**
Stddev	.06811	.00106	.00379	.00004	.00009	1.28	.00002	.00065	.00105	.0202	.00007	.00081	.00007
%RSD	19.809	36.389	4.2495	10.697	141.90	.48990	13.534	15.033	91.731	.38572	33.301	47.171	.20220
#1	.39202	.00366	.08650	.00041	.00000	262.18	-.00016	.00477	.00189	5.2092	.00026	-.00229	.03655
#2	.29570	.00216	.09186	.00035	-.00012	260.37	-.00013	.00385	.00040	5.2377	.00016	-.00114	.03666
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07833**	**-.00035**	**.00073**	**4.9193**	**-.00531**	**.00071**	**10.402**	**.00031**	**.00223**	**.02008**
Stddev	.00016	.00019	.00007	.0022	.00065	.00040	.027	.00061	.00055	.00318
%RSD	.20220	55.090	9.5795	.04513	12.208	56.513	.25991	196.31	24.580	15.819
#1	.07822	-.00021	.00078	4.9177	-.00576	.00043	10.383	.00074	.00261	.02233
#2	.07844	-.00048	.00068	4.9208	-.00485	.00099	10.421	-.00012	.00184	.01784
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7963.6**	**99017.**	**8440.5**
Stddev	2.8	164.	59.2
%RSD	.03483	.16578	.70130
#1	7965.6	99133.	8398.6
#2	7961.6	98901.	8482.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 21:39:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50338**	**.52260**	**1.0162**	**.51573**	**.51230**	**.50424**	**.00056**	**5.0764**	**.51257**	**.51311**	**.50576**	**.51806**	**2.4428**
Stddev	.00020	.00044	.0025	.00061	.00078	.00293	.00092	.0081	.00045	.00010	.00025	.00078	.0207
%RSD	.03904	.08495	.24633	.11836	.15150	.58041	164.63	.16007	.08825	.01968	.04889	.14987	.84767
#1	.50352	.52229	1.0144	.51530	.51175	.50217	-.00009	5.0706	.51225	.51303	.50593	.51751	2.4282
#2	.50324	.52292	1.0179	.51616	.51285	.50631	.00120	5.0821	.51289	.51318	.50558	.51861	2.4574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.783**	**1.0187**	**19.855**	**.50700**	**.51241**	F **5.8733**	**.51529**	**1.0139**	**1.0425**	**.05912**	**1.0463**	**1.0206**	**4.9864**
Stddev	.187	.0000	.060	.00054	.00384	.0007	.00525	.0058	.0066	.00231	.0011	.0015	.0425
%RSD	.36049	.00136	.30330	.10640	.74922	.01260	1.0191	.57614	.63764	3.9149	.10576	.15215	.85219
#1	51.651	1.0187	19.898	.50738	.50969	5.8728	.51158	1.0098	1.0378	.05748	1.0471	1.0195	4.9564
#2	51.915	1.0187	19.812	.50661	.51512	5.8738	.51900	1.0180	1.0472	.06076	1.0456	1.0217	5.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0208**	**.50804**	**-.00313**	**.51231**	**1.0491**	**.01816**	**.51286**	**.50389**	**.50798**
Stddev	.091	.0003	.00117	.00036	.00104	.0017	.02503	.00031	.00051	.00343
%RSD	.85219	.02995	.23104	11.593	.20240	.16066	137.83	.06005	.10204	.67454
#1	10.607	1.0206	.50721	-.00288	.51157	1.0502	.00046	.51308	.50425	.50556
#2	10.735	1.0210	.50887	-.00339	.51304	1.0479	.03587	.51264	.50353	.51041
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8165.7**	**103500.**	**8501.6**
Stddev	2.2	107.	69.7
%RSD	.02681	.10315	.81949
#1	8164.1	103420.	8550.9
#2	8167.2	103570.	8452.4

Sample Name: CCB Acquired: 11/8/2013 21:41:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00268**	**-.00078**	W **.00532**	**-.00005**	**.00017**	**.00194**	**.00487**	**.00020**	**-.00009**	**.00000**	**-.00019**
Stddev	.00019	.00027	.00270	.00017	.00029	.00000	.00023	.00443	.00004	.00001	.00001	.00004
%RSD	128.64	9.9198	347.07	3.1723	564.27	2.6980	11.672	90.997	17.618	14.913	307.99	21.267
#1	.00001	.00287	-.00269	.00520	.00015	.00016	.00178	.00174	.00018	-.00010	.00001	-.00016
#2	.00028	.00249	.00113	.00544	-.00026	.00017	.00210	.00801	.00023	-.00008	-.00001	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00587**	**.15807**	**.00084**	**.00456**	**.00001**	**.00063**	F **.41317**	**-.00030**	**-.00071**	**.00193**	**.04774**	F **.00801**
Stddev	.00123	.03217	.00067	.00034	.00000	.00008	.02794	.00013	.00049	.00010	.00254	.00506
%RSD	20.942	20.349	80.144	7.4782	51.687	12.698	6.7616	42.958	69.601	5.4243	5.3117	63.100
#1	.00674	.18081	.00036	.00480	.00000	.00058	.43293	-.00039	-.00106	.00186	.04954	.00444
#2	.00500	.13532	.00131	.00432	.00001	.00069	.39342	-.00021	-.00036	.00201	.04595	.01159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.01210**	**.02588**	**.00026**	**.00018**	**-.00059**	**.00036**	**.00009**	**.01248**	**-.00051**	**.00345**	**.00012**
Stddev	.00498	.00363	.00776	.00055	.00009	.00002	.00027	.00206	.00740	.00004	.00053	.00039
%RSD	478.76	29.996	29.996	215.01	51.298	2.6519	75.998	2276.5	59.332	7.5217	15.452	319.05
#1	-.00248	.00953	.02039	-.00013	.00012	-.00058	.00055	.00155	.01772	-.00048	.00308	-.00015
#2	.00456	.01466	.03137	.00065	.00025	-.00060	.00017	-.00137	.00724	-.00054	.00383	.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.0**	**105170.**	**8398.8**
Stddev	7.6	415.	25.8
%RSD	.09307	.39440	.30680
#1	8198.6	105470.	8417.0
#2	8209.4	104880.	8380.6

Sample Name: CCVL-2367586 Acquired: 11/8/2013 21:43:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01020**	**.11092**	**.01591**	**.10412**	**.01078**	**.00118**	**.12838**	**.21744**	**.00555**	**.01114**	**.01079**	**.01603**	**.10348**
Stddev	.00024	.00009	.00278	.00052	.00001	.00006	.00074	.00080	.00001	.00006	.00028	.00034	.00237
%RSD	2.3408	.07690	17.445	.50197	.12647	5.0952	.57500	.36988	.24354	.55438	2.5773	2.1043	2.2858
#1	.01003	.11098	.01395	.10449	.01077	.00123	.12890	.21687	.00556	.01119	.01059	.01579	.10181
#2	.01037	.11086	.01787	.10375	.01079	.00114	.12786	.21801	.00554	.01110	.01098	.01627	.10515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2948**	**.01102**	**.21367**	**.01056**	**.02098**	F **1.3884**	**.04345**	**2.9739**	**.01115**	**.04234**	**.01171**	**.01784**	**.51881**
Stddev	.0334	.00190	.00431	.00000	.00039	.0047	.00013	.0017	.00005	.00076	.00107	.00124	.00529
%RSD	1.0127	17.237	2.0167	.02287	1.8388	.34178	.29355	.05586	.45631	1.7924	9.1043	6.9265	1.0201
#1	3.2712	.01237	.21063	.01056	.02070	1.3850	.04335	2.9751	.01119	.04287	.01096	.01697	.51507
#2	3.3184	.00968	.21672	.01055	.02125	1.3917	.04354	2.9727	.01111	.04180	.01247	.01871	.52255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1103**	**.10524**	**.01056**	**.01502**	**.00989**	**.01621**	**.07347**	**.01002**	**.02565**	**.01624**
Stddev	.0113	.00012	.00005	.00042	.00030	.00154	.03296	.00030	.00058	.00003
%RSD	1.0201	.11870	.45364	2.8205	3.0650	9.4765	44.859	3.0139	2.2477	.17166
#1	1.1022	.10532	.01053	.01472	.01011	.01730	.09678	.00981	.02525	.01626
#2	1.1183	.10515	.01059	.01532	.00968	.01512	.05017	.01023	.02606	.01622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.9**	**104580.**	**8516.2**
Stddev	11.4	1231.	7.9
%RSD	.14026	1.1767	.09330
#1	8126.0	105450.	8510.6
#2	8109.9	103710.	8521.8

Sample Name: 280-48773-c-4-a Acquired: 11/8/2013 21:45:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00598**	**-.00041**	**1.0848**	**.01177**	**.00019**	**.00333**	**54.432**	**.00045**	**-.00040**
Stddev	.00021	.00362	.00038	.0014	.00034	.00001	.00338	.066	.00001	.00013
%RSD	45.692	60.513	93.175	.12703	2.8592	5.0747	101.47	.12067	2.8324	31.986
#1	-.00060	.00342	-.00068	1.0839	.01153	.00020	.00573	54.385	.00046	-.00049
#2	-.00031	.00854	-.00014	1.0858	.01201	.00018	.00094	54.478	.00044	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00404**	**.02893**	**.77809**	**.04052**	**11.026**	**.13658**	**.00628**	W **953.18**	**.00073**
Stddev	.00018	.00030	.00222	.11542	.00092	.016	.00016	.00014	3.09	.00019
%RSD	46.550	7.4577	7.6583	14.834	2.2607	.14386	.11501	2.2452	.32387	26.169
#1	.00026	.00382	.02737	.69647	.03987	11.037	.13669	.00638	951.00	.00087
#2	.00051	.00425	.03050	.85970	.04117	11.014	.13647	.00618	955.37	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01964**	**-.00023**	F **327.36**	**.00124**	**.00320**	**4.6806**	**10.016**	**-.00019**	**1.3435**	**-.00344**
Stddev	.00096	.00062	.96	.00028	.00285	.0671	.144	.00056	.0010	.00000
%RSD	4.8733	263.09	.29348	22.389	88.999	1.4336	1.4336	300.33	.07261	.01300
#1	.02032	.00020	328.04	.00143	.00119	4.6331	9.9149	-.00058	1.3428	-.00344
#2	.01897	-.00067	326.68	.00104	.00522	4.7280	10.118	.00021	1.3442	-.00344
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00084**	**.09046**	**.00442**	**.01095**	**.00139**
Stddev	.00012	.00002	.00491	.00091	.00037	.00014
%RSD	326.13	2.9183	5.4247	20.694	3.4205	9.7314
#1	-.00005	.00086	.08699	.00506	.01069	.00149
#2	.00012	.00082	.09393	.00377	.01122	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7457.0**	**91746.**	**8299.8**
Stddev	3.0	279.	92.0
%RSD	.04056	.30444	1.1089
#1	7454.8	91549.	8364.9
#2	7459.1	91944.	8234.8

Sample Name: 280-48773-c-5-a Acquired: 11/8/2013 21:48:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.00276**	**.00167**	**1.6599**	**.01299**	**.00008**	**-.00198**	**85.081**	**.00062**	**-.00047**
Stddev	.00041	.00019	.00278	.0014	.00018	.00005	.00233	.528	.00003	.00006
%RSD	48.503	6.7026	166.41	.08661	1.3769	64.294	117.59	.62117	5.1245	13.570
#1	-.00055	.00263	-.00030	1.6589	.01286	.00011	-.00363	85.454	.00060	-.00042
#2	-.00112	.00289	.00364	1.6609	.01312	.00004	-.00033	84.707	.00064	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00284**	**.00610**	**1.7313**	**.09766**	**15.712**	**.15588**	**.00705**	W **1280.2**	**.00095**
Stddev	.00003	.00005	.00029	.1209	.00150	.006	.00020	.00006	8.7	.00032
%RSD	10.748	1.9259	4.8250	6.9811	1.5345	.04064	.12802	.88220	.68037	33.634
#1	.00022	.00280	.00589	1.6458	.09660	15.717	.15574	.00701	1286.4	.00117
#2	.00025	.00288	.00631	1.8167	.09872	15.708	.15602	.00710	1274.0	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03850**	**.00033**	F **481.06**	**-.00064**	**.03424**	**5.9591**	**12.752**	**-.00144**	**2.3673**	**-.00423**
Stddev	.00348	.00044	.19	.00073	.00135	.0079	.017	.00028	.0176	.00091
%RSD	9.0479	133.14	.03958	113.97	3.9468	.13195	.13195	19.543	.74167	21.589
#1	.03603	.00002	481.20	-.00115	.03328	5.9646	12.764	-.00124	2.3798	-.00488
#2	.04096	.00064	480.93	-.00012	.03519	5.9535	12.741	-.00164	2.3549	-.00359
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00069**	**.10322**	**.00222**	**.00484**	**.00144**
Stddev	.00049	.00122	.02558	.00011	.00063	.00035
%RSD	1097.0	176.67	24.782	5.0007	12.977	24.550
#1	-.00039	-.00017	.12131	.00214	.00528	.00119
#2	.00030	.00155	.08513	.00230	.00439	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7373.9**	**89816.**	**8201.2**
Stddev	.8	59.	5.1
%RSD	.01097	.06557	.06279
#1	7373.3	89858.	8197.6
#2	7374.4	89774.	8204.8

Sample Name: 280-48773-c-6-a Acquired: 11/8/2013 21:51:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00338**	**.00181**	**1.8263**	**.00754**	**.00016**	**.00162**	**29.434**	**.00033**	**-.00042**
Stddev	.00034	.00036	.00129	.0044	.00001	.00006	.00097	.167	.00024	.00011
%RSD	40.477	10.575	71.190	.24317	.18390	36.044	59.634	.56577	74.472	26.613
#1	-.00107	.00312	.00090	1.8232	.00753	.00020	.00094	29.316	.00050	-.00034
#2	-.00059	.00363	.00273	1.8294	.00755	.00012	.00231	29.551	.00015	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.00253**	**.00260**	**1.5634**	**.29730**	**5.2358**	**.00040**	**.00836**	W **944.08**	**.00060**
Stddev	.00006	.00032	.00031	.1372	.00017	.0186	.00002	.00019	4.87	.00025
%RSD	3.2600	12.664	11.801	8.7755	.05716	.35544	4.8759	2.2840	.51635	41.375
#1	.00182	.00231	.00282	1.4664	.29742	5.2226	.00039	.00850	940.63	.00042
#2	.00174	.00276	.00239	1.6604	.29718	5.2490	.00041	.00823	947.53	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02296**	**.00047**	F **412.31**	**.00067**	**.08845**	**3.9753**	**8.5072**	**.00355**	**2.1090**	**-.00046**
Stddev	.00008	.00001	.10	.00111	.00353	.0130	.0279	.00001	.0118	.00041
%RSD	.35968	1.9429	.02427	166.37	3.9861	.32788	.32788	.17614	.55966	88.548
#1	.02302	.00048	412.24	.00145	.09095	3.9845	8.5269	.00356	2.1006	-.00075
#2	.02290	.00046	412.38	-.00012	.08596	3.9661	8.4875	.00355	2.1173	-.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00051**	**.07386**	**.01597**	**.00782**	**.00120**
Stddev	.00021	.00132	.01331	.00048	.00084	.00174
%RSD	58.811	259.51	18.016	2.9962	10.773	144.54
#1	-.00021	.00145	.06445	.01630	.00722	.00243
#2	-.00050	-.00043	.08327	.01563	.00842	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7562.2**	**93524.**	**8354.9**
Stddev	24.9	865.	2.9
%RSD	.32941	.92488	.03505
#1	7579.8	94136.	8352.8
#2	7544.6	92912.	8357.0

Sample Name: 280-48773-c-7-a Acquired: 11/8/2013 21:53:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00574**	**.00121**	**1.4349**	**.00860**	**.00003**	**.00030**	**21.785**	**.00005**	**-.00056**
Stddev	.00017	.00016	.00347	.0024	.00010	.00000	.00202	.049	.00009	.00000
%RSD	356.75	2.8444	287.86	.16391	1.1469	7.8634	671.49	.22702	178.57	.07157
#1	.00007	.00585	.00366	1.4366	.00853	.00003	.00173	21.750	-.00001	-.00056
#2	-.00017	.00562	-.00125	1.4333	.00867	.00003	-.00113	21.820	.00012	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00246**	**.01301**	**2.4669**	**.46584**	**2.5113**	**.00024**	**.00152**	W **1085.4**	**.00013**
Stddev	.00016	.00022	.00079	.0089	.00253	.0140	.00000	.00006	2.3	.00032
%RSD	21.549	8.9065	6.0419	.36251	.54288	.55845	1.3295	3.7908	.20996	249.73
#1	.00088	.00261	.01246	2.4732	.46763	2.5212	.00024	.00148	1083.7	-.00010
#2	.00065	.00230	.01357	2.4606	.46405	2.5014	.00024	.00156	1087.0	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01480**	**.00061**	F **385.45**	**-.00048**	**.07752**	**4.3947**	**9.4047**	**-.00101**	**1.7019**	**-.00352**
Stddev	.00020	.00051	.15	.00123	.00047	.0535	.1144	.00130	.0030	.00012
%RSD	1.3393	83.602	.03772	258.89	.61070	1.2165	1.2165	128.59	.17770	3.3922
#1	.01466	.00025	385.35	-.00135	.07785	4.4325	9.4856	-.00009	1.6997	-.00344
#2	.01494	.00098	385.55	.00040	.07718	4.3569	9.3238	-.00193	1.7040	-.00361
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00073**	**.05814**	**.04553**	**.00443**	**.00171**
Stddev	.00017	.00267	.03100	.00014	.00052	.00292
%RSD	35.780	364.42	53.323	.30452	11.844	170.68
#1	.00036	-.00262	.08007	.04563	.00480	-.00035
#2	.00060	.00116	.03622	.04544	.00406	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7557.3**	**92691.**	**8281.5**
Stddev	12.4	449.	7.4
%RSD	.16451	.48463	.08959
#1	7548.5	92373.	8286.7
#2	7566.1	93009.	8276.2

Sample Name: 280-48773-c-8-a Acquired: 11/8/2013 21:56:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.01099**	**.00168**	**1.3132**	**.01313**	**.00008**	**-.00027**	**48.973**	**.00047**	**-.00044**
Stddev	.00025	.00036	.00194	.0010	.00041	.00003	.00176	.226	.00003	.00003
%RSD	52.180	3.2839	115.61	.07570	3.0925	41.538	661.82	.46237	6.0004	8.0197
#1	-.00065	.01124	.00031	1.3139	.01342	.00006	.00098	48.813	.00049	-.00046
#2	-.00030	.01073	.00305	1.3125	.01284	.00010	-.00151	49.133	.00045	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00247**	**.01065**	**1.4019**	**.16140**	**10.647**	**.00575**	**.00147**	W **997.19**	**.00015**
Stddev	.00013	.00105	.00111	.0987	.00183	.002	.00001	.00001	4.05	.00002
%RSD	44.077	42.586	10.418	7.0411	1.1336	.02097	.12334	.45630	.40586	15.317
#1	.00020	.00173	.01143	1.3321	.16011	10.648	.00575	.00147	994.32	.00017
#2	.00037	.00321	.00986	1.4717	.16270	10.645	.00576	.00148	1000.0	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04607**	**.00081**	F **352.66**	**-.00368**	**.06464**	**4.3708**	**9.3536**	**-.00075**	**1.7524**	**-.00275**
Stddev	.00285	.00059	.05	.00072	.00326	.0023	.0049	.00004	.0037	.00077
%RSD	6.1954	72.739	.01471	19.685	5.0472	.05195	.05195	4.7318	.21019	27.900
#1	.04809	.00123	352.70	-.00317	.06695	4.3724	9.3570	-.00078	1.7498	-.00329
#2	.04405	.00040	352.63	-.00419	.06234	4.3692	9.3502	-.00073	1.7550	-.00221
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00039**	**.03792**	**.00203**	**.01532**	**-.00036**
Stddev	.00014	.00006	.00816	.00015	.00004	.00192
%RSD	63.141	14.064	21.530	7.5551	.25593	537.26
#1	.00012	.00043	.03215	.00214	.01529	-.00172
#2	.00032	.00035	.04370	.00192	.01535	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7581.6**	**93437.**	**8522.0**
Stddev	12.8	894.	6.4
%RSD	.16918	.95649	.07474
#1	7590.7	92805.	8526.5
#2	7572.5	94069.	8517.5

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:59:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00340**	**50.673**	**.00362**	**.01195**	**.00024**	**.00006**	**1.0140**	**.02354**	**.00005**	**-.00060**	**-.00021**	**.00777**
Stddev	.00023	.185	.00274	.00085	.00030	.00003	.0008	.00419	.00035	.00001	.00023	.00036
%RSD	6.6909	.36582	75.683	7.1440	121.83	55.668	.07756	17.821	659.42	1.5181	108.03	4.6315
#1	.00356	50.542	.00556	.01256	.00003	.00004	1.0146	.02650	.00030	-.00060	-.00005	.00802
#2	.00324	50.804	.00168	.01135	.00045	.00008	1.0135	.02057	-.00019	-.00061	-.00038	.00751
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.292**	**.31674**	**.00155**	**.08046**	**.00031**	**-.00025**	**257.73**	**-.00019**	**.00004**	**.00235**	W **5.2592**	**.00128**
Stddev	.302	.02472	.00272	.00298	.00004	.00004	.27	.00004	.00000	.00058	.0881	.00020
%RSD	.61180	7.8058	174.74	3.7006	12.395	16.510	.10305	20.688	10.983	24.918	1.6741	15.590
#1	49.079	.33422	.00348	.07835	.00028	-.00028	257.54	-.00016	.00004	.00276	5.3215	.00142
#2	49.505	.29926	-.00037	.08257	.00034	-.00022	257.92	-.00022	.00004	.00193	5.1970	.00114
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00304**	**.02119**	**.04534**	**-.00012**	**.00102**	**4.8672**	**-.00531**	**.00062**	**10.133**	**.00035**	**.00273**	**.02082**
Stddev	.00307	.01794	.03838	.00190	.00014	.0385	.00032	.00148	.080	.00072	.00038	.00173
%RSD	101.00	84.660	84.660	1583.0	14.119	.79122	5.9622	240.25	.78697	209.43	13.861	8.2881
#1	-.00087	.03387	.07248	.00123	.00112	4.8400	-.00554	-.00043	10.077	.00086	.00246	.02204
#2	-.00520	.00850	.01820	-.00147	.00092	4.8944	-.00509	.00166	10.189	-.00017	.00300	.01960
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7971.3**	**98736.**	**8279.6**
Stddev	6.3	743.	59.4
%RSD	.07882	.75230	.71734
#1	7966.9	99261.	8321.6
#2	7975.8	98211.	8237.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:01:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49796**	**.52736**	**.99683**	**.50989**	**.50490**	**.49703**	**.00232**	**5.0137**	**.50472**	**.50481**	**.49925**	**.50925**	**2.4359**
Stddev	.00004	.01716	.00040	.00153	.00308	.00056	.00074	.0020	.00129	.00112	.00008	.00007	.0319
%RSD	.00724	3.2543	.03983	.29976	.60987	.11330	31.769	.03926	.25475	.22201	.01620	.01461	1.3113
#1	.49793	.53950	.99655	.51097	.50273	.49663	.00284	5.0123	.50381	.50402	.49931	.50920	2.4134
#2	.49799	.51523	.99711	.50881	.50708	.49743	.00180	5.0151	.50563	.50561	.49919	.50930	2.4585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.483**	**1.0106**	**19.728**	**.50017**	**.50707**	F **6.0631**	**.50559**	**1.0018**	**1.0316**	**.34779**	**1.0202**	**1.0057**	**4.9205**
Stddev	.054	.0039	.004	.00037	.00052	.0526	.00008	.0025	.0018	.30409	.0020	.0006	.0483
%RSD	.10509	.38799	.02212	.07332	.10163	.86743	.01566	.24519	.17410	87.437	.19986	.05934	.98054
#1	51.445	1.0078	19.725	.50043	.50744	6.1003	.50554	1.0035	1.0329	.56281	1.0216	1.0053	4.8864
#2	51.521	1.0134	19.731	.49991	.50671	6.0259	.50565	1.0000	1.0303	.13276	1.0187	1.0062	4.9546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.530**	**1.0072**	**.50162**	**-.00232**	**.50344**	**1.0288**	**.01037**	**.50485**	**.50163**	**.50214**
Stddev	.103	.0008	.00212	.00006	.00080	.0007	.02941	.00109	.00043	.00558
%RSD	.98054	.08179	.42312	2.6057	.15980	.06986	283.66	.21571	.08576	1.1113
#1	10.457	1.0078	.50012	-.00236	.50400	1.0283	-.01043	.50408	.50194	.49819
#2	10.603	1.0066	.50312	-.00228	.50287	1.0293	.03116	.50562	.50133	.50608
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.8**	**103640.**	**8397.6**
Stddev	2.1	655.	85.1
%RSD	.02520	.63230	1.0129
#1	8165.2	104100.	8457.7
#2	8162.3	103170.	8337.4

Sample Name: CCB Acquired: 11/8/2013 22:03:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00356**	**.00411**	W **.00559**	**.00031**	**.00027**	**.00193**	**.00527**	**.00019**	**-.00008**	**.00009**	**.00028**
Stddev	.00034	.00005	.00181	.00012	.00012	.00010	.00270	.00043	.00012	.00031	.00005	.00019
%RSD	185.92	1.3297	43.923	2.1486	38.189	38.198	140.14	8.1811	64.658	379.21	51.968	65.695
#1	.00006	.00352	.00284	.00568	.00040	.00034	.00384	.00557	.00028	-.00030	.00006	.00015
#2	-.00043	.00359	.00539	.00551	.00023	.00019	.00002	.00496	.00010	.00014	.00012	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**.15488**	**.00028**	**.00278**	**.00006**	**.00054**	F **.54769**	**-.00029**	**.00228**	**.00091**	**.08677**	F **.00786**
Stddev	.00169	.01571	.00159	.00114	.00004	.00008	.01868	.00015	.00001	.00050	.00361	.00121
%RSD	38.793	10.141	566.31	41.010	70.172	14.665	3.4108	53.945	.25753	54.384	4.1613	15.364
#1	.00555	.14378	.00140	.00359	.00003	.00049	.56090	-.00039	.00228	.00126	.08932	.00871
#2	.00316	.16599	-.00084	.00197	.00009	.00060	.53449	-.00018	.00228	.00056	.08421	.00700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**.01049**	**.02244**	**-.00054**	W **.00035**	**.00194**	**.00006**	**.00061**	**-.01097**	**-.00068**	**.00336**	**-.00115**
Stddev	.00118	.00385	.00823	.00041	.00010	.00168	.00025	.00128	.00713	.00003	.00009	.00106
%RSD	69.763	36.672	36.672	75.401	28.501	86.689	395.35	209.59	65.002	4.8843	2.5533	91.901
#1	-.00086	.00777	.01662	-.00083	.00042	.00075	-.00011	.00152	-.00593	-.00070	.00342	-.00191
#2	-.00253	.01321	.02826	-.00025	.00028	.00312	.00024	-.00030	-.01601	-.00066	.00330	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8184.7**	**104420.**	**8253.6**
Stddev	23.5	439.	124.6
%RSD	.28661	.42038	1.5100
#1	8201.3	104730.	8341.7
#2	8168.1	104110.	8165.5

Sample Name: CCVL-2367586 Acquired: 11/8/2013 22:05:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.10878**	**.01735**	**.10249**	**.01013**	**.00114**	**.12672**	**.21287**	**.00539**	**.01070**	**.01068**	**.01564**	**.10166**
Stddev	.00057	.00029	.00118	.00094	.00016	.00001	.00248	.00284	.00012	.00017	.00012	.00023	.00229
%RSD	5.6464	.26452	6.8207	.91747	1.5745	.86918	1.9544	1.3346	2.2416	1.5880	1.1159	1.4575	2.2572
#1	.00973	.10899	.01651	.10315	.01001	.00115	.12847	.21086	.00548	.01082	.01077	.01548	.10003
#2	.01054	.10858	.01818	.10182	.01024	.00113	.12497	.21487	.00531	.01058	.01060	.01580	.10328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2123**	**.01021**	**.20944**	**.01036**	**.02059**	F **1.4806**	**.04207**	**2.9100**	**.01132**	**.07120**	**.01183**	**.01701**	**.50389**
Stddev	.0385	.00137	.00217	.00006	.00028	.0056	.00024	.0019	.00230	.00040	.00022	.00141	.01520
%RSD	1.1980	13.412	1.0370	.58359	1.3685	.38057	.57992	.06472	20.334	.55639	1.8269	8.3171	3.0174
#1	3.1851	.01118	.21097	.01040	.02079	1.4846	.04189	2.9113	.00969	.07148	.01198	.01801	.49314
#2	3.2395	.00924	.20790	.01032	.02039	1.4766	.04224	2.9086	.01295	.07092	.01168	.01601	.51464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0783**	**.10354**	**.01037**	**.01492**	**.01005**	**.01574**	**.07461**	**.00994**	**.02497**	**.01619**
Stddev	.0325	.00099	.00000	.00097	.00014	.00074	.00940	.00017	.00018	.00182
%RSD	3.0174	.95947	.04780	6.5206	1.3447	4.7104	12.599	1.6759	.72790	11.224
#1	1.0553	.10283	.01037	.01561	.00996	.01522	.06797	.00982	.02484	.01748
#2	1.1013	.10424	.01037	.01424	.01015	.01626	.08126	.01006	.02510	.01491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.2**	**104560.**	**8310.7**
Stddev	7.1	477.	10.1
%RSD	.08671	.45589	.12178
#1	8194.2	104220.	8303.5
#2	8204.2	104900.	8317.9

Sample Name: mb 280-199735/1-a Acquired: 11/8/2013 22:08:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00035**	**.00496**	**.00076**	W **.00488**	**-.00006**	**.00018**	**.00141**	**.01225**	**.00037**	**-.00015**
Stddev	.00047	.00006	.00240	.00054	.00025	.00004	.00045	.00013	.00002	.00016
%RSD	136.82	1.1182	315.59	11.051	392.12	24.550	32.081	1.0648	5.9719	105.95
#1	-.00001	.00499	.00246	.00450	.00011	.00021	.00109	.01234	.00035	-.00004
#2	-.00068	.00492	-.00094	.00526	-.00024	.00015	.00172	.01216	.00039	-.00027
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00033**	**.01202**	**.09319**	**-.00009**	**.00018**	**.00019**	**-.00003**	W **.36507**	**-.00028**
Stddev	.00003	.00022	.00101	.03086	.00323	.00028	.00004	.00004	.01348	.00016
%RSD	9.8194	66.122	8.3930	33.119	3686.7	152.19	18.660	143.80	3.6932	54.724
#1	.00029	.00048	.01130	.11501	-.00237	-.00001	.00022	.00000	.35553	-.00017
#2	.00025	.00018	.01273	.07136	.00219	.00038	.00017	-.00006	.37460	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00112**	F **.05975**	**-.00012**	**.00459**	F **.02095**	**.04484**	**.00016**	**.00016**	**-.00003**
Stddev	.00175	.00047	.00392	.00197	.00109	.00320	.00685	.00038	.00006	.00021
%RSD	116.81	41.806	6.5549	1607.5	23.798	15.275	15.275	238.97	34.318	618.25
#1	.00274	.00145	.05698	-.00151	.00382	.02322	.04968	.00043	.00012	.00011
#2	.00026	.00079	.06252	.00127	.00536	.01869	.04000	-.00011	.00020	-.00018
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00018**	**-.00439**	**-.00019**	W **.00372**	**.00247**
Stddev	.00053	.00020	.00694	.00021	.00016	.00019
%RSD	176.47	109.55	158.18	109.79	4.2382	7.6446
#1	.00067	.00032	.00052	-.00004	.00383	.00260
#2	-.00007	.00004	-.00929	-.00033	.00361	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8305.1**	**106090.**	**8439.2**
Stddev	38.2	392.	53.8
%RSD	.46019	.36992	.63739
#1	8278.1	105810.	8401.2
#2	8332.1	106370.	8477.3

Sample Name: lcs 280-199735/2-a Acquired: 11/8/2013 22:10:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04761**	**1.9413**	**.99760**	**1.0016**	**2.0490**	**.05012**	**2.2736**	**49.631**	**.10418**	**.49645**
Stddev	.00017	.0042	.00116	.0027	.0094	.00036	.0038	.348	.00034	.00175
%RSD	.36570	.21548	.11626	.27305	.45892	.71003	.16706	.70055	.33064	.35280
#1	.04749	1.9443	.99842	1.0035	2.0424	.04986	2.2763	49.385	.10442	.49769
#2	.04774	1.9384	.99678	.99968	2.0557	.05037	2.2709	49.877	.10394	.49521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20319**	**.25914**	**.98398**	**52.324**	**1.0172**	**49.404**	**.50098**	**1.0274**	**54.215**	**.49744**
Stddev	.00042	.00034	.00068	.380	.0082	.096	.00118	.0024	.674	.00127
%RSD	.20765	.13313	.06882	.72647	.80758	.19474	.23551	.23774	1.2425	.25527
#1	.20349	.25889	.98446	52.055	1.0114	49.472	.50181	1.0291	53.739	.49834
#2	.20289	.25938	.98350	52.593	1.0230	49.336	.50014	1.0256	54.692	.49654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.077**	**.49583**	**.03908**	**.50306**	**1.9714**	**10.081**	**21.574**	**2.0257**	**1.0153**	**1.0204**
Stddev	.024	.00117	.00180	.00074	.0039	.118	.253	.0002	.0046	.0068
%RSD	.24231	.23600	4.6022	.14643	.19776	1.1743	1.1743	.01123	.44894	.66925
#1	10.094	.49666	.04035	.50254	1.9742	9.9975	21.395	2.0258	1.0121	1.0252
#2	10.060	.49500	.03781	.50358	1.9687	10.165	21.753	2.0255	1.0185	1.0156
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**1.9697**	**2.1813**	**.51554**	**.49798**	**.51851**
Stddev	.0002	.0066	.0326	.00172	.00038	.00578
%RSD	.02073	.33627	1.4936	.33358	.07730	1.1157
#1	1.0309	1.9744	2.2043	.51676	.49771	.51442
#2	1.0306	1.9650	2.1582	.51432	.49825	.52260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7914.3**	**99457.**	**8322.5**
Stddev	6.3	371.	100.2
%RSD	.07986	.37280	1.2039
#1	7909.8	99195.	8393.4
#2	7918.7	99719.	8251.7

Sample Name: 280-48896-a-1-a Acquired: 11/8/2013 22:12:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.05495**	**-.00109**	**.03585**	**.23107**	**.00012**	**.00032**	**24.686**	**.00047**	**.00087**
Stddev	.00026	.00008	.00216	.00003	.00037	.00001	.00305	.086	.00013	.00007
%RSD	453.68	.14349	197.84	.08458	.16117	5.4401	965.70	.34739	27.413	7.7048
#1	-.00025	.05500	.00043	.03583	.23133	.00012	-.00184	24.747	.00038	.00092
#2	.00013	.05489	-.00261	.03587	.23080	.00013	.00248	24.626	.00056	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.90466**	**.43959**	**15.030**	**.00745**	**5.5010**	**.17315**	**.00129**	**126.02**	**.04556**
Stddev	.00011	.00548	.00148	.005	.00197	.0252	.00128	.00047	.23	.00017
%RSD	7.2326	.60605	.33691	.03560	26.501	.45768	.73779	36.141	.18588	.37941
#1	.00147	.90078	.43854	15.026	.00606	5.4832	.17225	.00096	126.19	.04544
#2	.00163	.90854	.44064	15.034	.00885	5.5188	.17405	.00162	125.86	.04568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58266**	**.00883**	**80.585**	**.03348**	**.00259**	**.31411**	**.67220**	**.11655**	**.20397**	**-.00087**
Stddev	.00465	.00072	.085	.00059	.00020	.00885	.01894	.00014	.00052	.00210
%RSD	.79723	8.1667	.10522	1.7638	7.8082	2.8171	2.8171	.11772	.25425	240.88
#1	.57938	.00934	80.525	.03306	.00244	.30786	.65881	.11645	.20434	.00061
#2	.58595	.00832	80.645	.03389	.00273	.32037	.68559	.11665	.20361	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.00018**	**.01624**	**-.00041**	**.11189**	**.00082**
Stddev	.00002	.00164	.00167	.00012	.00054	.00120
%RSD	1.5781	907.79	10.257	30.153	.48691	145.46
#1	.00113	-.00134	.01506	-.00032	.11151	.00167
#2	.00110	.00098	.01741	-.00050	.11228	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7995.2**	**101450.**	**8484.7**
Stddev	6.9	371.	86.3
%RSD	.08574	.36584	1.0168
#1	7990.3	101710.	8423.7
#2	8000.0	101190.	8545.7

Sample Name: 280-48896-a-1-aSD@5 Acquired: 11/8/2013 22:14:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.02788**	**-.00136**	**.01023**	**.04671**	**.00004**	**.00105**	**4.9618**	**.00035**	**.00012**
Stddev	.00019	.00011	.00213	.00030	.00054	.00003	.00092	.0072	.00010	.00018
%RSD	151.04	.38229	157.18	2.8906	1.1457	61.135	88.203	.14568	29.456	152.60
#1	.00001	.02796	-.00286	.01044	.04633	.00006	.00039	4.9567	.00028	.00024
#2	-.00026	.02781	.00015	.01002	.04709	.00002	.00170	4.9669	.00042	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.18117**	**.10637**	**3.0084**	**.00419**	**1.1326**	**.03516**	**.00025**	**25.255**	**.00901**
Stddev	.00021	.00104	.00095	.0094	.00044	.0003	.00004	.00011	.130	.00011
%RSD	43.678	.57153	.89349	.31355	10.591	.02484	.12343	43.618	.51542	1.2713
#1	.00064	.18043	.10704	3.0017	.00450	1.1328	.03513	.00017	25.347	.00909
#2	.00034	.18190	.10570	3.0151	.00388	1.1324	.03519	.00033	25.163	.00893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11324**	**.00276**	**15.692**	**.00641**	**.00124**	**.05992**	**.12823**	**.02570**	**.04124**	**-.00040**
Stddev	.00041	.00053	.016	.00158	.00530	.00226	.00483	.00013	.00017	.00031
%RSD	.36484	19.324	.10205	24.688	428.78	3.7681	3.7681	.52043	.42184	78.492
#1	.11353	.00239	15.681	.00529	-.00251	.05832	.12481	.02580	.04136	-.00018
#2	.11295	.00314	15.703	.00753	.00498	.06152	.13165	.02561	.04112	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00023**	**-.02792**	**-.00046**	**.02930**	**.00048**
Stddev	.00034	.00012	.01503	.00036	.00007	.00020
%RSD	77.063	54.001	53.847	79.708	.23745	40.620
#1	.00020	-.00032	-.03855	-.00020	.02925	.00062
#2	.00069	-.00014	-.01729	-.00071	.02935	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8203.8**	**103800.**	**8466.9**
Stddev	.2	596.	131.9
%RSD	.00184	.57391	1.5577
#1	8203.9	103380.	8373.7
#2	8203.7	104220.	8560.2

Sample Name: 280-48896-a-1-b ms Acquired: 11/8/2013 22:17:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04897**	**1.9549**	**1.0234**	**1.0288**	**2.2804**	**.05006**	F **2.2885**	**73.990**	**.10562**	**.49944**
Stddev	.00004	.0127	.0074	.0084	.0097	.00044	.0089	.355	.00056	.00155
%RSD	.08725	.64924	.72560	.81454	.42478	.86941	.38812	.47982	.53259	.31027
#1	.04894	1.9459	1.0182	1.0228	2.2873	.05037	2.2822	74.241	.10522	.49834
#2	.04900	1.9639	1.0287	1.0347	2.2736	.04976	2.2947	73.739	.10601	.50053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20485**	**1.1639**	**1.3837**	**67.292**	**1.0263**	**54.285**	**.67361**	**1.0323**	**179.08**	**.54136**
Stddev	.00085	.0080	.0067	.501	.0084	.217	.00398	.0047	.33	.00252
%RSD	.41440	.68679	.48741	.74390	.81653	.39882	.59153	.45824	.18472	.46596
#1	.20425	1.1582	1.3885	67.646	1.0322	54.132	.67079	1.0290	179.31	.53958
#2	.20545	1.1695	1.3790	66.939	1.0204	54.438	.67643	1.0357	178.84	.54314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.974**	**.49953**	**82.385**	**.53917**	**2.0073**	**10.350**	**22.150**	W **2.1192**	**1.2184**	**1.0160**
Stddev	.068	.00353	.347	.00210	.0058	.025	.054	.0140	.0047	.0100
%RSD	.61825	.70674	.42100	.38991	.28974	.24519	.24519	.66181	.38527	.98749
#1	10.926	.49703	82.140	.54065	2.0032	10.332	22.111	2.1093	1.2217	1.0090
#2	11.022	.50203	82.630	.53768	2.0114	10.368	22.188	2.1291	1.2151	1.0231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0255**	**1.8953**	**2.1566**	**.51875**	**.60258**	**.51570**
Stddev	.0050	.0037	.0061	.00077	.00117	.00172
%RSD	.48537	.19630	.28259	.14839	.19463	.33289
#1	1.0220	1.8926	2.1609	.51821	.60175	.51448
#2	1.0290	1.8979	2.1523	.51930	.60341	.51691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7832.1**	**99180.**	**8507.7**
Stddev	59.9	170.	131.9
%RSD	.76444	.17179	1.5501
#1	7874.4	99301.	8414.4
#2	7789.7	99060.	8600.9

Sample Name: 280-48896-a-1-c msd Acquired: 11/8/2013 22:19:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04915**	**1.9553**	**1.0301**	**1.0320**	**2.3094**	**.05086**	F **2.2925**	**74.913**	**.10577**	**.49925**
Stddev	.00063	.0006	.0019	.0010	.0118	.00017	.0073	.313	.00014	.00103
%RSD	1.2726	.02885	.18597	.09275	.51295	.32563	.31950	.41848	.13209	.20573
#1	.04959	1.9557	1.0315	1.0327	2.3177	.05097	2.2977	75.135	.10587	.49853
#2	.04870	1.9549	1.0288	1.0314	2.3010	.05074	2.2873	74.691	.10568	.49998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20565**	**1.1668**	**1.4070**	**68.120**	**1.0380**	**54.559**	**.67440**	**1.0371**	**180.17**	**.54262**
Stddev	.00008	.0065	.0003	.250	.0063	.520	.00390	.0007	.37	.00094
%RSD	.04050	.55975	.02244	.36730	.60232	.95356	.57791	.06831	.20627	.17326
#1	.20570	1.1622	1.4068	68.297	1.0424	54.191	.67164	1.0376	180.43	.54328
#2	.20559	1.1714	1.4072	67.944	1.0335	54.927	.67715	1.0366	179.90	.54195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.970**	**.49938**	**81.921**	**.54287**	**2.0077**	**10.484**	**22.435**	W **2.1206**	**1.2352**	**1.0214**
Stddev	.003	.00275	.005	.00071	.0027	.005	.011	.0006	.0055	.0076
%RSD	.03134	.55124	.00620	.13136	.13544	.04701	.04701	.03001	.44871	.74825
#1	10.972	.50133	81.917	.54236	2.0058	10.487	22.443	2.1211	1.2391	1.0160
#2	10.967	.49743	81.924	.54337	2.0096	10.480	22.428	2.1202	1.2313	1.0268
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0296**	**1.8949**	**2.1587**	**.51921**	**.60354**	**.51928**
Stddev	.0058	.0008	.0026	.00132	.00274	.00019
%RSD	.56246	.04109	.12167	.25362	.45456	.03668
#1	1.0255	1.8943	2.1569	.51828	.60160	.51915
#2	1.0337	1.8954	2.1606	.52014	.60548	.51942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7869.1**	**99396.**	**8452.4**
Stddev	5.1	1122.	24.1
%RSD	.06487	1.1286	.28521
#1	7865.5	100190.	8435.3
#2	7872.7	98602.	8469.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 22:21:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**50.630**	**.00346**	**.00967**	**.00085**	**.00009**	**1.0222**	**.03397**	**-.00005**	**-.00069**	**.00019**	**.00829**	**49.436**
Stddev	.00023	.197	.00210	.00072	.00048	.00001	.0087	.00463	.00015	.00022	.00012	.00017	.290
%RSD	6.0444	.38983	60.717	7.4034	56.074	7.9826	.85253	13.635	308.77	31.584	61.700	2.0807	.58722
#1	.00405	50.769	.00198	.01018	.00119	.00009	1.0284	.03724	.00006	-.00053	.00027	.00817	49.231
#2	.00372	50.490	.00495	.00916	.00051	.00010	1.0160	.03069	-.00016	-.00084	.00011	.00841	49.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22736**	**.00261**	**.08795**	**.00055**	**.00015**	**258.79**	**-.00028**	**.00276**	**.00202**	**5.0731**	**.00136**	**-.00081**	**.01166**
Stddev	.02808	.00050	.00082	.00007	.00003	.45	.00028	.00320	.00008	.0118	.00203	.00108	.00164
%RSD	12.350	19.016	.93157	12.110	20.139	.17221	97.863	116.01	3.9607	.23247	149.37	132.05	14.025
#1	.24722	.00226	.08737	.00060	.00017	259.11	-.00009	.00503	.00208	5.0815	.00279	-.00005	.01282
#2	.20751	.00296	.08853	.00050	.00012	258.48	-.00048	.00050	.00197	5.0648	-.00008	-.00158	.01050
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02495**	**-.00030**	**.00086**	**4.8261**	**-.00542**	**.00203**	**10.071**	**.00058**	**.00206**	**.02071**
Stddev	.00350	.00054	.00009	.0039	.00006	.00139	.013	.00003	.00063	.00047
%RSD	14.025	176.87	10.565	.08100	1.1950	68.323	.12882	4.4332	30.605	2.2698
#1	.02743	.00008	.00093	4.8234	-.00537	.00301	10.062	.00057	.00250	.02104
#2	.02248	-.00069	.00080	4.8289	-.00546	.00105	10.080	.00060	.00161	.02038
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.4**	**100890.**	**8390.1**
Stddev	7.3	327.	12.3
%RSD	.09040	.32437	.14606
#1	8072.3	100660.	8381.4
#2	8082.6	101120.	8398.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:23:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49477**	**.51408**	**1.0009**	**.50838**	**.50384**	**.49747**	**.00236**	**5.0124**	**.50492**	**.50691**	**.50275**	**.50750**	**2.4165**
Stddev	.00122	.00036	.0072	.00215	.00126	.00111	.00087	.0150	.00103	.00094	.00052	.00159	.0053
%RSD	.24606	.07065	.72036	.42333	.25077	.22287	36.927	.29941	.20387	.18627	.10273	.31268	.21949
#1	.49390	.51433	.99584	.50686	.50294	.49668	.00175	5.0018	.50419	.50625	.50239	.50638	2.4128
#2	.49563	.51382	1.0060	.50991	.50473	.49825	.00298	5.0230	.50565	.50758	.50312	.50862	2.4203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.476**	**1.0099**	**19.678**	**.49821**	**.51163**	F **5.5666**	**.50733**	**1.0094**	**1.0385**	**.03389**	**1.0227**	**1.0044**	**4.8962**
Stddev	.143	.0007	.012	.00003	.00192	.0196	.00151	.0012	.0006	.00082	.0055	.0105	.0739
%RSD	.27837	.07004	.06203	.00660	.37606	.35247	.29798	.11992	.05917	2.4261	.53797	1.0498	1.5095
#1	51.375	1.0094	19.669	.49818	.51027	5.5805	.50626	1.0085	1.0380	.03447	1.0189	.99699	4.8440
#2	51.577	1.0104	19.687	.49823	.51299	5.5528	.50840	1.0102	1.0389	.03331	1.0266	1.0119	4.9485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.478**	**1.0171**	**.50063**	**-.00075**	**.50226**	**1.0325**	**-.01809**	**.50502**	**.50159**	**.49760**
Stddev	.158	.0049	.00132	.00004	.00055	.0007	.01478	.00039	.00143	.00536
%RSD	1.5095	.48104	.26376	4.8653	.10942	.07069	81.686	.07649	.28486	1.0772
#1	10.366	1.0137	.49970	-.00073	.50187	1.0320	-.02854	.50529	.50260	.49381
#2	10.590	1.0206	.50156	-.00078	.50265	1.0331	-.00764	.50474	.50058	.50139
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8205.4**	**104190.**	**8432.4**
Stddev	15.1	86.	6.2
%RSD	.18353	.08265	.07363
#1	8216.1	104260.	8428.0
#2	8194.8	104130.	8436.7

Sample Name: CCB Acquired: 11/8/2013 22:25:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00458**	**.00102**	**.00409**	**.00013**	**.00033**	**.00155**	**.00595**	**.00040**	**-.00018**	**.00006**	**.00002**
Stddev	.00005	.00043	.00097	.00039	.00060	.00005	.00176	.00333	.00010	.00042	.00015	.00012
%RSD	11.642	9.3128	95.248	9.5530	469.38	15.730	114.09	56.009	25.614	230.67	247.14	512.59
#1	-.00047	.00488	.00170	.00381	.00055	.00037	.00030	.00359	.00047	.00012	-.00005	-.00006
#2	-.00040	.00428	.00033	.00437	-.00029	.00029	.00279	.00830	.00033	-.00048	.00017	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.11728**	**-.00010**	**.00611**	**.00008**	**.00057**	F **.19582**	**.00018**	**.00122**	**.00084**	**.03892**	F **.00828**
Stddev	.00336	.01925	.00052	.00140	.00005	.00028	.00005	.00041	.00050	.00024	.00167	.00013
%RSD	107.47	16.410	527.28	22.926	57.449	48.596	.02611	223.71	40.775	28.935	4.2865	1.5116
#1	.00551	.10367	.00027	.00710	.00011	.00077	.19578	.00048	.00087	.00101	.04010	.00819
#2	.00075	.13089	-.00046	.00512	.00005	.00038	.19585	-.00011	.00157	.00067	.03774	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00507**	**.02124**	**.04545**	**-.00009**	**.00028**	**.00060**	**.00036**	**.00026**	**.04234**	**-.00009**	**.00340**	**.00127**
Stddev	.00124	.00237	.00506	.00010	.00006	.00091	.00019	.00083	.03211	.00014	.00031	.00163
%RSD	24.526	11.137	11.137	114.41	22.907	151.22	53.074	317.12	75.838	145.69	9.2588	127.78
#1	.00419	.01957	.04187	-.00015	.00032	.00124	.00049	.00085	.06504	.00000	.00362	.00242
#2	.00595	.02291	.04903	-.00002	.00023	-.00004	.00022	-.00033	.01963	-.00019	.00318	.00012
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8209.9**	**105530.**	**8334.3**
Stddev	43.8	178.	6.9
%RSD	.53380	.16869	.08273
#1	8240.9	105400.	8339.2
#2	8178.9	105650.	8329.5

Sample Name: CCVL2367586 Acquired: 11/8/2013 22:28:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.10878**	**.01679**	**.10166**	**.01046**	**.00116**	**.12394**	**.21283**	**.00574**	**.01072**	**.01074**	**.01573**	**.10286**
Stddev	.00014	.00017	.00043	.00013	.00005	.00000	.00088	.00041	.00004	.00007	.00025	.00099	.00202
%RSD	1.3574	.15906	2.5832	.13144	.51608	.05198	.71134	.19275	.77872	.69221	2.2866	6.2980	1.9629
#1	.01000	.10865	.01649	.10156	.01049	.00116	.12331	.21312	.00577	.01078	.01057	.01503	.10429
#2	.01019	.10890	.01710	.10175	.01042	.00116	.12456	.21254	.00571	.01067	.01091	.01643	.10143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1498**	**.01216**	**.21011**	**.01042**	**.02068**	**1.2475**	**.04260**	**2.9400**	**.01103**	**.02959**	F **.01320**	**.01723**	**.52570**
Stddev	.0228	.00184	.00084	.00006	.00021	.0157	.00007	.0044	.00006	.00231	.00050	.00054	.00710
%RSD	.72377	15.151	.39753	.57250	1.0144	1.2570	.17369	.14914	.58127	7.8111	3.8060	3.1584	1.3514
#1	3.1659	.01347	.21070	.01046	.02053	1.2364	.04255	2.9431	.01098	.02796	.01285	.01685	.52068
#2	3.1337	.01086	.20952	.01037	.02083	1.2586	.04265	2.9369	.01107	.03123	.01356	.01762	.53072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1250**	**.10504**	**.01043**	**.01432**	**.00973**	**.01581**	**.06225**	**.00971**	**.02569**	**.01725**
Stddev	.0152	.00009	.00014	.00036	.00039	.00088	.05180	.00008	.00020	.00240
%RSD	1.3514	.08808	1.3348	2.5045	4.0444	5.5428	83.220	.84048	.77679	13.900
#1	1.1142	.10498	.01053	.01457	.00945	.01519	.02562	.00977	.02583	.01556
#2	1.1357	.10511	.01033	.01406	.01001	.01643	.09887	.00966	.02555	.01895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.0**	**105470.**	**8343.1**
Stddev	6.7	767.	40.9
%RSD	.08161	.72751	.48980
#1	8204.7	104930.	8314.3
#2	8195.3	106010.	8372.0

Sample Name: 280-48877-a-1-a Acquired: 11/8/2013 22:30:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.38626**	**.00084**	**.04571**	**.02515**	**.00006**	**-.00049**	**26.090**	**.00070**	**.00135**
Stddev	.00090	.00048	.00179	.00026	.00037	.00003	.00288	.025	.00016	.00007
%RSD	191.74	.12403	212.75	.57675	1.4837	53.629	589.29	.09670	23.427	4.9141
#1	-.00111	.38592	.00210	.04553	.02541	.00004	-.00252	26.108	.00081	.00140
#2	.00017	.38660	-.00042	.04590	.02489	.00009	.00155	26.072	.00058	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00935**	**.11892**	**.84427**	**12.914**	**.01464**	**2.5797**	**.02401**	**.00390**	**25.749**	**.00508**
Stddev	.00018	.00042	.00726	.031	.00177	.0033	.00005	.00009	.152	.00050
%RSD	1.8902	.35184	.85971	.24044	12.059	.12773	.21159	2.3893	.58862	9.8191
#1	.00948	.11862	.83914	12.936	.01589	2.5820	.02405	.00397	25.856	.00543
#2	.00923	.11921	.84941	12.892	.01339	2.5773	.02398	.00383	25.642	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8106**	**.00623**	**9.1177**	**.00150**	**.00582**	**3.9689**	**8.4934**	**.01258**	**.07737**	**-.00074**
Stddev	.0084	.00065	.0192	.00114	.00032	.0053	.0114	.00093	.00024	.00035
%RSD	.22174	10.379	.21030	75.656	5.4428	.13471	.13471	7.4083	.30418	47.459
#1	3.8165	.00578	9.1041	.00070	.00604	3.9651	8.4853	.01192	.07720	-.00049
#2	3.8046	.00669	9.1312	.00230	.00559	3.9727	8.5015	.01324	.07754	-.00099
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03169**	**-.00019**	**.02766**	**.00077**	**.11283**	**.00192**
Stddev	.00139	.00044	.02081	.00007	.00009	.00275
%RSD	4.3907	235.02	75.242	9.1287	.07943	143.29
#1	.03267	.00012	.04238	.00072	.11290	.00387
#2	.03070	-.00050	.01294	.00082	.11277	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.0**	**105170.**	**8610.1**
Stddev	19.0	714.	28.8
%RSD	.23237	.67909	.33412
#1	8175.5	105680.	8589.7
#2	8202.4	104670.	8630.4

Sample Name: 280-48877-a-2-a Acquired: 11/8/2013 22:32:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.15491**	**-.00030**	**.04373**	**.02373**	**.00005**	**.00077**	**31.353**	**.00047**	**.00115**
Stddev	.00026	.00036	.00226	.00049	.00018	.00000	.00228	.049	.00041	.00000
%RSD	46.021	.22977	745.58	1.1197	.73835	3.4767	295.91	.15781	86.214	.42704
#1	-.00076	.15466	.00130	.04407	.02385	.00005	.00239	31.318	.00018	.00115
#2	-.00039	.15516	-.00190	.04338	.02361	.00005	-.00084	31.388	.00076	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.16357**	**.36783**	**11.787**	**.00686**	**3.0130**	**.01676**	**.00203**	**109.84**	**.00254**
Stddev	.00010	.00045	.00374	.032	.00128	.0125	.00001	.00021	.16	.00001
%RSD	4.6627	.27228	1.0161	.27353	18.692	.41441	.04256	10.323	.14811	.39737
#1	.00230	.16325	.36519	11.764	.00595	3.0219	.01676	.00217	109.73	.00253
#2	.00216	.16388	.37047	11.809	.00776	3.0042	.01675	.00188	109.96	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2934**	**.00210**	**12.003**	**.00057**	**.00106**	**4.2246**	**9.0407**	**.00428**	**.09125**	**-.00066**
Stddev	.0088	.00013	.057	.00126	.00069	.0211	.0452	.00087	.00025	.00088
%RSD	.20558	5.9727	.47766	219.56	65.492	.50012	.50012	20.208	.27385	132.84
#1	4.2872	.00219	11.963	.00146	.00057	4.2097	9.0087	.00367	.09143	-.00129
#2	4.2997	.00201	12.044	-.00032	.00155	4.2396	9.0727	.00489	.09108	-.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00848**	**.00096**	**-.00766**	**.00047**	**.38138**	**.00130**
Stddev	.00027	.00047	.03073	.00062	.00259	.00155
%RSD	3.1666	49.097	401.35	132.60	.67794	119.26
#1	.00867	.00129	.01407	.00003	.37955	.00240
#2	.00829	.00062	-.02938	.00091	.38321	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8064.0**	**101960.**	**8511.0**
Stddev	30.3	37.	53.2
%RSD	.37521	.03606	.62476
#1	8042.6	101940.	8548.6
#2	8085.4	101990.	8473.4

Sample Name: 280-48881-a-1-a Acquired: 11/8/2013 22:34:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.20943**	**.00068**	**.10933**	**.01514**	**.00011**	**.00128**	**21.045**	**.00031**	**-.00018**
Stddev	.00060	.00032	.00184	.00102	.00026	.00006	.00043	.005	.00008	.00012
%RSD	79.548	.15307	272.70	.92922	1.6984	57.250	33.501	.02399	24.679	67.780
#1	.00118	.20920	-.00063	.11005	.01496	.00016	.00159	21.048	.00037	-.00027
#2	.00033	.20965	.00198	.10861	.01533	.00007	.00098	21.041	.00026	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02162**	**.06470**	**.17863**	**.79973**	**.00231**	**1.3769**	**.00239**	**.00058**	**5.6853**	**.00296**
Stddev	.00014	.00020	.00294	.02196	.00080	.0010	.00002	.00018	.0006	.00025
%RSD	.63958	.31462	1.6469	2.7463	34.473	.07610	.68846	30.347	.00968	8.4270
#1	.02152	.06484	.17655	.78420	.00288	1.3776	.00237	.00045	5.6850	.00278
#2	.02172	.06455	.18071	.81526	.00175	1.3761	.00240	.00070	5.6857	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03859**	**.00171**	**4.6285**	**-.00045**	**.00232**	**2.7928**	**5.9765**	**.00404**	**.05612**	**.00095**
Stddev	.00040	.00008	.0051	.00076	.00177	.0101	.0216	.00004	.00018	.00191
%RSD	1.0383	4.9242	.11078	167.69	76.411	.36086	.36086	.99346	.32635	200.20
#1	.03830	.00165	4.6249	.00008	.00107	2.7856	5.9613	.00407	.05599	-.00040
#2	.03887	.00177	4.6321	-.00099	.00357	2.7999	5.9918	.00401	.05625	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00015**	**.02126**	**.00023**	**.01188**	**.00213**
Stddev	.00033	.00060	.01217	.00024	.00016	.00250
%RSD	13.525	391.85	57.258	101.21	1.3783	117.09
#1	.00223	.00058	.02987	.00040	.01177	.00037
#2	.00270	-.00027	.01265	.00007	.01200	.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.6**	**106280.**	**8510.6**
Stddev	14.5	513.	9.3
%RSD	.17500	.48285	.10945
#1	8280.3	105920.	8504.0
#2	8300.8	106650.	8517.2

Sample Name: 280-48881-a-2-a Acquired: 11/8/2013 22:37:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.18681**	**.00260**	**.07011**	**.01450**	**.00009**	**-.00064**	**20.332**	**.00010**	**-.00010**
Stddev	.00064	.00065	.00136	.00046	.00006	.00000	.00243	.054	.00007	.00008
%RSD	125.40	.34742	52.401	.65311	.42367	1.7317	381.59	.26695	71.721	82.091
#1	.00096	.18635	.00356	.06978	.01454	.00009	.00108	20.293	.00015	-.00016
#2	.00006	.18727	.00163	.07043	.01446	.00009	-.00236	20.370	.00005	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01209**	**.05113**	**.17871**	**.78703**	**.00272**	**1.3647**	**.00241**	**.00075**	**5.1294**	**.01230**
Stddev	.00008	.00044	.00155	.01267	.00073	.0032	.00003	.00023	.0189	.00000
%RSD	.67066	.86146	.86781	1.6104	26.861	.23432	1.0491	30.932	.36879	.02486
#1	.01203	.05145	.17762	.77807	.00323	1.3670	.00239	.00058	5.1160	.01230
#2	.01215	.05082	.17981	.79599	.00220	1.3625	.00243	.00091	5.1427	.01230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02797**	**.00064**	**4.8361**	**-.00037**	**.00333**	**2.7105**	**5.8004**	**.00278**	**.05413**	**.00050**
Stddev	.00212	.00089	.0158	.00011	.00026	.0190	.0406	.00055	.00048	.00295
%RSD	7.5718	138.88	.32674	30.823	7.8327	.69929	.69929	19.805	.89338	587.18
#1	.02647	.00001	4.8249	-.00045	.00315	2.6971	5.7717	.00239	.05378	.00259
#2	.02947	.00127	4.8473	-.00029	.00352	2.7239	5.8291	.00317	.05447	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00038**	**-.01235**	**.00041**	**.01067**	**.00082**
Stddev	.00016	.00070	.04621	.00046	.00047	.00247
%RSD	9.1246	182.91	374.18	111.04	4.3736	301.13
#1	.00184	.00088	-.04502	.00009	.01034	.00257
#2	.00161	-.00011	.02032	.00074	.01100	-.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8297.0**	**106270.**	**8587.2**
Stddev	3.3	579.	72.2
%RSD	.03989	.54467	.84083
#1	8294.7	106680.	8638.2
#2	8299.4	105860.	8536.1

Sample Name: 280-48898-a-1-a Acquired: 11/8/2013 22:39:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.08412**	**.00404**	**2.1694**	**.03194**	**.00011**	F **.20421**	**59.547**	**-.00011**	**.00362**
Stddev	.00025	.00025	.00165	.0025	.00010	.00006	.00184	.143	.00003	.00016
%RSD	32.651	.29228	40.771	.11515	.30393	53.407	.90067	.23935	25.440	4.4899
#1	-.00096	.08395	.00521	2.1711	.03187	.00007	.20291	59.446	-.00013	.00351
#2	-.00060	.08430	.00288	2.1676	.03201	.00015	.20551	59.647	-.00009	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32984**	**.13923**	**74.320**	F **701.82**	**.01079**	**4.7548**	**.34844**	**.01407**	W **1201.2**	**.14134**
Stddev	.00110	.00073	.447	.53	.00090	.0022	.00006	.00003	2.5	.00112
%RSD	.33488	.52215	.60171	.07538	8.3781	.04521	.01773	.21332	.21025	.79198
#1	.33062	.13872	74.004	701.44	.01015	4.7563	.34840	.01409	1199.4	.14213
#2	.32906	.13974	74.636	702.19	.01143	4.7533	.34848	.01405	1203.0	.14054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.009**	**.00285**	W **182.89**	**.00502**	**.00134**	**5.5473**	**11.871**	W **18.007**	**.17872**	**-.00035**
Stddev	.009	.00132	.02	.00085	.00644	.1849	.396	.015	.00072	.00221
%RSD	.07690	46.321	.01113	16.866	480.42	3.3335	3.3335	.08252	.40050	638.14
#1	12.015	.00191	182.88	.00562	.00589	5.4165	11.591	17.997	.17822	.00122
#2	12.002	.00378	182.91	.00442	-.00321	5.6781	12.151	18.018	.17923	-.00191
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02254**	**-.00172**	**-.00760**	**.00261**	**.15923**	**.00067**
Stddev	.00006	.00114	.02268	.00084	.00018	.00256
%RSD	.27166	66.074	298.31	32.401	.11405	380.45
#1	.02250	-.00092	-.02364	.00320	.15911	.00248
#2	.02258	-.00252	.00844	.00201	.15936	-.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7428.4**	**90984.**	**8328.6**
Stddev	9.8	313.	23.4
%RSD	.13243	.34352	.28127
#1	7421.5	90763.	8345.2
#2	7435.4	91205.	8312.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 22:42:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**51.640**	**.00359**	**.00999**	**.00001**	**.00007**	**1.0403**	**.00911**	**.00005**	**-.00070**	**-.00004**	**.00893**	**50.333**
Stddev	.00011	.124	.00094	.00072	.00032	.00009	.0045	.00151	.00004	.00015	.00001	.00077	.723
%RSD	2.6700	.23983	26.313	7.2223	3269.2	141.50	.43148	16.622	89.203	21.778	31.896	8.6081	1.4360
#1	.00409	51.728	.00292	.01050	-.00022	.00000	1.0435	.00804	.00007	-.00080	-.00003	.00948	50.844
#2	.00394	51.552	.00426	.00948	.00024	.00013	1.0372	.01018	.00002	-.00059	-.00005	.00839	49.822
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77651**	**.00399**	**.07891**	**.00037**	**-.00040**	**264.70**	**-.00021**	**.00570**	**.00122**	**5.1894**	**.00216**	**.00077**	**.02726**
Stddev	.05313	.00004	.00152	.00009	.00038	.16	.00011	.00037	.00072	.0014	.00049	.00039	.00068
%RSD	6.8421	.98329	1.9259	22.995	95.481	.06151	51.061	6.5409	59.448	.02648	22.638	50.938	2.4878
#1	.81408	.00402	.07998	.00043	-.00013	264.58	-.00028	.00596	.00173	5.1885	.00181	.00049	.02774
#2	.73895	.00396	.07783	.00031	-.00067	264.81	-.00013	.00544	.00071	5.1904	.00251	.00104	.02678
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05834**	**.00434**	**.00035**	**4.9167**	**-.00592**	**.00136**	**10.342**	**.00071**	**.00232**	**.02230**
Stddev	.00145	.00069	.00013	.0104	.00022	.00049	.023	.00062	.00040	.00556
%RSD	2.4878	15.846	37.412	.21187	3.6658	36.228	.22223	87.162	17.165	24.926
#1	.05937	.00385	.00026	4.9093	-.00577	.00101	10.326	.00027	.00260	.02623
#2	.05732	.00483	.00044	4.9240	-.00608	.00170	10.359	.00115	.00204	.01837
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.0**	**100030.**	**8281.0**
Stddev	48.6	72.	79.5
%RSD	.61337	.07207	.96038
#1	7955.3	100080.	8224.8
#2	7886.6	99977.	8337.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:44:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49974**	**.51287**	**1.0089**	**.51155**	**.50630**	**.50145**	**-.00005**	**5.0623**	**.50644**	**.50681**	**.50487**	**.50951**	**2.4617**
Stddev	.00176	.00023	.0013	.00176	.00167	.00223	.00237	.0119	.00059	.00057	.00025	.00217	.0096
%RSD	.35165	.04492	.13028	.34431	.32938	.44404	4568.1	.23466	.11554	.11178	.04926	.42585	.39058
#1	.50098	.51271	1.0099	.51030	.50512	.49988	.00163	5.0539	.50602	.50641	.50505	.51105	2.4549
#2	.49850	.51304	1.0080	.51279	.50748	.50302	-.00173	5.0707	.50685	.50721	.50469	.50798	2.4685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.274**	**1.0181**	**19.983**	**.50379**	**.51100**	F **5.7242**	**.51005**	**1.0077**	**1.0314**	**.03087**	**1.0161**	**1.0046**	**5.0101**
Stddev	.330	.0050	.025	.00008	.00220	.0245	.00019	.0016	.0024	.00027	.0098	.0156	.0838
%RSD	.63070	.49556	.12730	.01498	.43064	.42872	.03652	.15626	.23779	.88614	.96252	1.5539	1.6734
#1	52.041	1.0146	19.965	.50384	.51255	5.7416	.51019	1.0088	1.0296	.03067	1.0230	1.0156	4.9508
#2	52.508	1.0217	20.001	.50373	.50944	5.7069	.50992	1.0066	1.0331	.03106	1.0092	.99353	5.0694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0211**	**.50410**	**-.00291**	**.50517**	**1.0288**	**-.01102**	**.50877**	**.50986**	**.50811**
Stddev	.179	.0092	.00165	.00279	.00002	.0090	.02647	.00152	.00240	.00458
%RSD	1.6734	.90442	.32829	95.703	.00339	.87708	240.31	.29970	.47080	.90087
#1	10.595	1.0276	.50293	-.00488	.50518	1.0352	.00770	.50985	.50816	.50487
#2	10.848	1.0146	.50527	-.00094	.50516	1.0225	-.02973	.50770	.51155	.51135
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8143.8**	**102930.**	**8319.2**
Stddev	8.0	531.	70.1
%RSD	.09865	.51615	.84227
#1	8149.5	103310.	8368.8
#2	8138.2	102560.	8269.7

Sample Name: CCB Acquired: 11/8/2013 22:46:58 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00381**	**.00035**	**.00370**	**.00018**	**.00027**	**.00187**	**.00260**	**.00036**	**.00002**	**.00026**	**.00064**	**.01024**
Stddev	.00010	.00038	.00015	.00011	.00025	.00008	.00006	.00171	.00002	.00003	.00005	.00006	.00194
%RSD	96.576	10.035	41.678	2.9075	136.02	29.751	3.1189	66.046	6.4450	199.16	21.186	8.8712	18.911
#1	-.00003	.00354	.00025	.00378	.00036	.00033	.00191	.00138	.00034	.00004	.00022	.00060	.00887
#2	-.00017	.00408	.00046	.00362	.00001	.00022	.00182	.00381	.00037	-.00001	.00030	.00068	.01161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.27822**	**-.00073**	**.00521**	**.00008**	**.00076**	F **.33540**	**-.00012**	**.00132**	**.00100**	**.02538**	F **.00855**	**.00021**	**.01959**
Stddev	.02149	.00301	.00131	.00003	.00000	.02744	.00019	.00148	.00137	.00166	.00236	.00354	.00846
%RSD	7.7226	413.96	25.173	36.798	.39066	8.1804	163.80	112.74	137.72	6.5464	27.541	1713.3	43.176
#1	.29341	-.00285	.00614	.00010	.00077	.31600	.00002	.00027	.00197	.02421	.00689	-.00230	.02558
#2	.26303	.00140	.00429	.00006	.00076	.35480	-.00025	.00236	.00003	.02656	.01022	.00271	.01361
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.25000					.18320					.00628		
Low Limit	-.25000					-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04193**	**.00092**	**.00018**	**.00058**	**.00019**	**.00088**	**-.00241**	**.00006**	**.00400**	**.00118**
Stddev	.01810	.00011	.00005	.00094	.00006	.00080	.00003	.00004	.00056	.00044
%RSD	43.176	12.057	25.156	161.49	33.074	90.856	1.1711	59.008	14.082	37.820
#1	.05473	.00084	.00021	-.00008	.00015	.00032	-.00243	.00004	.00440	.00149
#2	.02913	.00100	.00015	.00124	.00024	.00145	-.00239	.00009	.00360	.00086
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8166.7**	**104760.**	**8192.8**
Stddev	21.8	561.	26.6
%RSD	.26681	.53524	.32454
#1	8182.1	105150.	8174.0
#2	8151.2	104360.	8211.6

Sample Name: CCVL2367586 Acquired: 11/8/2013 22:49:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01057**	**.10908**	**.01446**	**.10144**	**.01061**	**.00110**	**.12820**	**.21329**	**.00560**	**.01043**	**.01066**	**.01600**	**.10513**
Stddev	.00039	.00084	.00277	.00003	.00005	.00019	.00211	.00003	.00005	.00006	.00003	.00006	.00036
%RSD	3.7028	.77324	19.151	.03392	.45825	17.214	1.6478	.01564	.88032	.53436	.26848	.38001	.34462
#1	.01029	.10967	.01250	.10146	.01058	.00097	.12671	.21327	.00557	.01047	.01068	.01596	.10487
#2	.01085	.10848	.01641	.10141	.01065	.00123	.12969	.21332	.00564	.01039	.01064	.01605	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2737**	**.01006**	**.21238**	**.01045**	**.02053**	F **1.3291**	**.04229**	**2.9306**	**.01039**	**.02249**	**.01267**	**.01492**	**.50741**
Stddev	.0143	.00086	.00075	.00005	.00018	.0274	.00009	.0026	.00013	.00029	.00104	.00142	.01163
%RSD	.43520	8.5842	.35087	.48308	.87822	2.0654	.22050	.08867	1.2404	1.2797	8.2173	9.4888	2.2925
#1	3.2838	.00945	.21186	.01048	.02040	1.3097	.04223	2.9288	.01030	.02229	.01341	.01592	.49919
#2	3.2637	.01067	.21291	.01041	.02065	1.3485	.04236	2.9324	.01048	.02269	.01193	.01392	.51564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0859**	**.10452**	**.01040**	**.01482**	**.01000**	**.01653**	F **.07953**	**.00975**	**.02498**	**.01719**
Stddev	.0249	.00141	.00007	.00044	.00019	.00018	.06345	.00015	.00052	.00214
%RSD	2.2925	1.3538	.72037	2.9675	1.8501	1.0693	79.789	1.5151	2.0830	12.427
#1	1.0683	.10352	.01045	.01513	.00987	.01666	.03466	.00985	.02462	.01870
#2	1.1035	.10552	.01035	.01451	.01013	.01641	.12440	.00964	.02535	.01568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8219.8**	**104540.**	**8278.7**
Stddev	18.8	530.	88.0
%RSD	.22823	.50701	1.0629
#1	8206.5	104160.	8340.9
#2	8233.0	104910.	8216.4

Sample Name: mb 280-199649/1-a Acquired: 11/8/2013 22:51:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00042**	**.00247**	**-.00076**	**.00320**	**-.00017**	**.00010**	**-.00018**	**.01251**	**.00027**	**-.00017**
Stddev	.00022	.00007	.00127	.00019	.00008	.00000	.00047	.00496	.00002	.00001
%RSD	51.205	2.7936	167.27	5.9692	46.430	.31666	261.40	39.619	7.1676	6.3989
#1	-.00057	.00242	.00014	.00307	-.00011	.00010	-.00051	.01601	.00029	-.00018
#2	-.00027	.00252	-.00166	.00334	-.00022	.00010	.00015	.00900	.00026	-.00017
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00017**	**.00262**	**.06141**	**.00002**	**.00317**	**.00006**	**.00014**	W **.21678**	**.00010**
Stddev	.00006	.00034	.00280	.00032	.00025	.00013	.00000	.00019	.00090	.00001
%RSD	56.591	200.71	106.90	.52396	1384.7	4.2416	6.8744	136.56	.41644	15.214
#1	.00014	-.00041	.00459	.06164	-.00016	.00327	.00006	.00000	.21615	.00009
#2	.00006	.00007	.00064	.06119	.00019	.00308	.00007	.00027	.21742	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00106**	F **.01858**	**.00174**	**.00187**	**-.00005**	**-.00010**	**.00019**	**.00006**	**-.00073**
Stddev	.00113	.00068	.00117	.00198	.00201	.00808	.01730	.00012	.00016	.00230
%RSD	237.75	64.001	6.2921	113.89	107.51	17537.	17537.	59.678	250.56	316.37
#1	-.00032	.00154	.01941	.00313	.00329	-.00576	-.01233	.00028	.00018	-.00235
#2	.00127	.00058	.01775	.00034	.00045	.00567	.01213	.00011	-.00005	.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00038**	**.01330**	**-.00045**	**.00332**	**.00198**
Stddev	.0001	.00042	.03925	.00013	.00005	.00096
%RSD	7478.1	110.40	295.11	28.116	1.5708	48.611
#1	.00009	.00068	.04105	-.00036	.00336	.00266
#2	-.00009	.00008	-.01445	-.00054	.00328	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8307.2**	**106580.**	**8479.0**
Stddev	12.1	628.	25.5
%RSD	.14560	.58950	.30057
#1	8298.7	106140.	8497.0
#2	8315.8	107020.	8460.9

Sample Name: lcs 280-199649/2-a Acquired: 11/8/2013 22:53:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04804	1.9344	1.0041	1.0132	2.0412	.05011	2.2897	49.651	.10430	.49469
Stddev	.00016	.0014	.0003	.0001	.0069	.00016	.0025	.160	.00008	.00018
%RSD	.33943	.07061	.02638	.00683	.33538	.32580	.11003	.32249	.07279	.03648
#1	.04816	1.9334	1.0043	1.0132	2.0363	.05000	2.2880	49.537	.10424	.49481
#2	.04793	1.9354	1.0040	1.0133	2.0460	.05023	2.2915	49.764	.10435	.49456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20261	.25861	.96808	52.254	1.0183	49.483	.49609	1.0311	54.168	.49693
Stddev	.00022	.00011	.00246	.123	.0039	.152	.00097	.0006	.071	.00013
%RSD	.10911	.04197	.25430	.23447	.38404	.30659	.19521	.06079	.13192	.02534
#1	.20277	.25854	.96982	52.168	1.0155	49.376	.49540	1.0307	54.118	.49684
#2	.20246	.25869	.96634	52.341	1.0211	49.591	.49677	1.0316	54.219	.49702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.153	.49681	.01098	.50518	1.9903	10.119	21.654	2.0308	1.0137	1.0088
Stddev	.008	.00059	.00289	.00272	.0011	.024	.052	.0001	.0032	.0014
%RSD	.08117	.11865	26.347	.53865	.05466	.24154	.24154	.00704	.32106	.14291
#1	10.159	.49723	.01302	.50710	1.9911	10.136	21.691	2.0309	1.0114	1.0078
#2	10.147	.49639	.00893	.50325	1.9896	10.101	21.617	2.0307	1.0160	1.0098
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0230	1.9612	2.1537	.51341	.49684	.51789
Stddev	.0005	.0008	.0083	.00041	.00011	.00256
%RSD	.04534	.04040	.38569	.08050	.02197	.49527
#1	1.0233	1.9617	2.1478	.51370	.49691	.51970
#2	1.0227	1.9606	2.1595	.51311	.49676	.51608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7963.5	100450.	8420.4
Stddev	1.7	475.	79.7
%RSD	.02090	.47279	.94659
#1	7962.3	100110.	8476.7
#2	7964.7	100780.	8364.0

Sample Name: 280-48852-b-1-d Acquired: 11/8/2013 22:55:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.08195**	**-.00051**	**.23482**	**.07729**	**.00008**	**.00090**	**91.071**	**.00061**	**.00012**
Stddev	.00027	.00019	.00287	.00056	.00042	.00003	.00067	.079	.00009	.00009
%RSD	119.95	.23639	560.42	.23796	.53841	38.662	74.053	.08720	14.766	74.048
#1	-.00003	.08181	.00152	.23443	.07758	.00011	.00138	91.127	.00055	.00006
#2	-.00042	.08209	-.00254	.23522	.07699	.00006	.00043	91.015	.00068	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00493**	**.19242**	**8.7127**	**.02921**	**18.499**	**.08784**	**.00667**	**107.43**	**.00176**
Stddev	.00028	.00036	.00036	.0254	.00354	.012	.00009	.00009	.57	.00015
%RSD	55.746	7.3383	.18806	.29099	12.102	.06317	.10517	1.3802	.52715	8.3566
#1	.00030	.00467	.19268	8.6948	.02671	18.491	.08777	.00673	107.03	.00166
#2	.00069	.00518	.19217	8.7306	.03171	18.507	.08790	.00660	107.83	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91367**	**.00130**	**58.182**	**.00051**	**.00261**	**6.2186**	**13.308**	**.00072**	**.71117**	**.00066**
Stddev	.00192	.00038	.003	.00026	.00026	.0362	.078	.00001	.00017	.00119
%RSD	.20982	29.486	.00600	50.878	9.8153	.58272	.58272	1.8004	.02404	181.40
#1	.91231	.00103	58.180	.00033	.00279	6.2442	13.363	.00073	.71129	.00150
#2	.91502	.00157	58.185	.00070	.00243	6.1930	13.253	.00071	.71104	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.00119**	**-.00608**	**.00137**	**.02514**	**.00131**
Stddev	.00011	.00042	.02734	.00055	.00015	.00234
%RSD	3.6704	35.586	449.58	40.418	.60175	179.44
#1	.00299	.00148	-.02541	.00098	.02524	-.00035
#2	.00284	.00089	.01325	.00176	.02503	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7860.4**	**99642.**	**8356.5**
Stddev	2.5	319.	12.6
%RSD	.03192	.31996	.15036
#1	7862.2	99867.	8365.4
#2	7858.7	99416.	8347.6

Sample Name: 280-48852-b-1-dSD@5 Acquired: 11/8/2013 22:58:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.02825**	**-.00041**	**.04816**	**.01555**	**.00007**	**.00032**	**18.094**	**.00029**	**.00000**
Stddev	.00020	.00025	.00194	.00057	.00008	.00004	.00074	.096	.00020	.00007
%RSD	511.68	.87109	469.54	1.1827	.48533	60.405	228.81	.52858	70.426	1815.4
#1	-.00018	.02807	-.00178	.04856	.01560	.00009	.00084	18.026	.00015	.00005
#2	.00010	.02842	.00096	.04776	.01549	.00004	-.00020	18.161	.00043	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00129**	**.05498**	**1.8025**	**.00541**	**3.7129**	**.01764**	**.00146**	**21.605**	**.00028**
Stddev	.00004	.00085	.00037	.0160	.00214	.0021	.00005	.00001	.220	.00002
%RSD	33.127	65.626	.67881	.88820	39.433	.05767	.29422	.64149	1.0168	5.5855
#1	.00016	.00069	.05524	1.8139	.00390	3.7144	.01768	.00145	21.450	.00027
#2	.00010	.00189	.05472	1.7912	.00692	3.7113	.01760	.00146	21.760	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17254**	**.00108**	**11.217**	**.00177**	**-.00097**	**1.2333**	**2.6393**	**.00221**	**.14087**	**-.00070**
Stddev	.00103	.00007	.007	.00237	.00026	.0205	.0439	.00059	.00106	.00146
%RSD	.59985	6.1011	.06306	133.66	26.985	1.6635	1.6635	26.746	.75036	207.89
#1	.17327	.00104	11.212	.00345	-.00116	1.2188	2.6083	.00263	.14012	.00033
#2	.17181	.00113	11.222	.00010	-.00079	1.2478	2.6704	.00180	.14162	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00110**	**.00036**	**-.00014**	**.01185**	**-.00065**
Stddev	.00015	.00021	.03904	.00069	.00038	.00263
%RSD	27.531	19.349	10721.	500.37	3.2375	406.28
#1	.00043	.00095	-.02724	.00035	.01212	.00121
#2	.00064	.00125	.02797	-.00062	.01158	-.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8135.5**	**103420.**	**8369.6**
Stddev	18.3	369.	22.4
%RSD	.22547	.35678	.26796
#1	8122.6	103680.	8385.5
#2	8148.5	103160.	8353.7

Sample Name: 280-48852-b-1-e ms Acquired: 11/8/2013 23:00:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**2.0587**	W **2.4705**	**1.0712**	**1.2911**	**2.2063**	**.05220**	F **2.3598**	**144.13**	**.10933**
Stddev	.00086	.0029	.0040	.0001	.0016	.0008	.00004	.0001	.14	.00032
%RSD	1.7227	.13914	.16021	.01377	.12467	.03625	.08573	.00540	.09760	.29187
#1	.04944	2.0607	2.4677	1.0713	1.2922	2.2057	.05223	2.3598	144.23	.10956
#2	.05066	2.0567	2.4733	1.0711	1.2899	2.2069	.05217	2.3599	144.03	.10911
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50888**	**.21041**	**.27155**	**1.1956**	**64.006**	**1.0880**	**69.014**	**.60017**	**1.0888**	**166.90**
Stddev	.00094	.00011	.00117	.0027	.229	.0008	.051	.00103	.0009	.01
%RSD	.18400	.05232	.42926	.22447	.35731	.06979	.07457	.17171	.08061	.00722
#1	.50954	.21048	.27237	1.1937	63.844	1.0886	69.051	.60090	1.0882	166.91
#2	.50822	.21033	.27073	1.1975	64.168	1.0875	68.978	.59944	1.0894	166.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51170**	W **11.685**	**.50503**	**59.989**	**.53116**	**2.0717**	**17.118**	**36.632**	W **2.0862**	**1.7899**
Stddev	.00036	.002	.00109	.103	.00353	.0015	.018	.038	.0006	.0005
%RSD	.07069	.01835	.21648	.17096	.66494	.07265	.10278	.10278	.02807	.02743
#1	.51195	11.684	.50426	60.062	.52867	2.0727	17.105	36.606	2.0858	1.7902
#2	.51144	11.687	.50580	59.917	.53366	2.0706	17.130	36.659	2.0866	1.7895
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0451**	**1.0736**	**1.9377**	**2.1983**	**.53649**	**.53128**	**.54119**
Stddev	.0008	.0001	.0006	.0063	.00025	.00215	.00089
%RSD	.07829	.00865	.03221	.28849	.04607	.40413	.16486
#1	1.0457	1.0737	1.9381	2.1939	.53631	.53279	.54183
#2	1.0445	1.0736	1.9372	2.2028	.53666	.52976	.54056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7787.9**	**98220.**	**8351.0**
Stddev	5.3	293.	39.8
%RSD	.06765	.29864	.47636
#1	7791.6	98427.	8379.1
#2	7784.2	98012.	8322.8

Sample Name: 280-48852-b-1-f msd Acquired: 11/8/2013 23:02:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05118**	**2.0575**	W **2.4105**	**1.0642**	**1.2850**	**2.1957**	**.05190**	F **2.3617**	**142.58**	**.10937**
Stddev	.00067	.0011	.0097	.0015	.0043	.0016	.00012	.0078	.06	.00034
%RSD	1.3088	.05537	.40085	.14521	.33705	.07371	.23777	.32865	.04309	.31387
#1	.05165	2.0583	2.4173	1.0632	1.2820	2.1968	.05199	2.3562	142.63	.10913
#2	.05071	2.0567	2.4036	1.0653	1.2881	2.1945	.05181	2.3672	142.54	.10961
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50812**	**.21046**	**.27193**	**1.1939**	**63.558**	**1.0904**	**69.042**	**.60000**	**1.0831**	**166.15**
Stddev	.00131	.00046	.00003	.0022	.039	.0006	.112	.00083	.0030	.13
%RSD	.25731	.21738	.01055	.18586	.06134	.05691	.16288	.13782	.28058	.07747
#1	.50720	.21014	.27191	1.1955	63.585	1.0909	68.962	.59941	1.0809	166.24
#2	.50905	.21079	.27195	1.1924	63.530	1.0900	69.121	.60058	1.0852	166.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51142**	W **11.687**	**.50456**	**59.718**	**.52696**	**2.0692**	**16.946**	**36.264**	W **2.0793**	**1.7769**
Stddev	.00258	.057	.00080	.238	.00474	.0106	.160	.343	.0068	.0021
%RSD	.50456	.48801	.15801	.39924	.89906	.51407	.94467	.94467	.32738	.11867
#1	.50960	11.647	.50399	59.549	.52361	2.0616	16.833	36.022	2.0745	1.7784
#2	.51325	11.727	.50512	59.886	.53031	2.0767	17.059	36.506	2.0841	1.7754
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0494**	**1.0664**	**1.9357**	**2.1948**	**.53392**	**.53098**	**.53363**
Stddev	.0029	.0007	.0052	.0297	.00006	.00199	.00211
%RSD	.27528	.06362	.26632	1.3533	.01079	.37449	.39523
#1	1.0474	1.0659	1.9320	2.1738	.53396	.52957	.53214
#2	1.0515	1.0669	1.9393	2.2158	.53388	.53239	.53513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7783.6**	**98438.**	**8388.2**
Stddev	17.3	98.	36.4
%RSD	.22167	.09987	.43390
#1	7771.4	98369.	8413.9
#2	7795.8	98508.	8362.4

Sample Name: 280-48852-b-2-b Acquired: 11/8/2013 23:04:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.09725**	**.00239**	**.25869**	**.08203**	**.00007**	**-.00145**	**93.936**	**.00069**	**.00016**
Stddev	.00018	.00052	.00337	.00058	.00018	.00001	.00024	.360	.00015	.00024
%RSD	113.72	.53392	141.42	.22538	.21777	13.625	16.497	.38377	21.291	154.36
#1	-.00029	.09762	.00477	.25827	.08190	.00007	-.00128	93.682	.00079	-.00001
#2	-.00003	.09688	.00000	.25910	.08215	.00006	-.00162	94.191	.00058	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00609**	**.78465**	**9.1013**	**.03323**	**18.810**	**.10323**	**.00643**	**109.85**	**.00188**
Stddev	.00009	.00017	.00138	.0215	.00072	.014	.00007	.00010	.75	.00022
%RSD	12.426	2.8506	.17583	.23606	2.1654	.07347	.06674	1.5196	.68316	11.556
#1	.00067	.00621	.78367	9.0861	.03374	18.800	.10328	.00650	109.32	.00203
#2	.00080	.00597	.78562	9.1164	.03272	18.819	.10318	.00636	110.38	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93784**	**.00140**	**59.079**	**-.00196**	**.00146**	**6.4572**	**13.818**	**-.00012**	**.73699**	**-.00040**
Stddev	.00086	.00090	.115	.00069	.00472	.0061	.013	.00031	.00560	.00219
%RSD	.09215	63.832	.19432	35.302	322.34	.09451	.09451	263.46	.75949	552.08
#1	.93846	.00077	59.160	-.00147	.00480	6.4615	13.828	-.00034	.73303	-.00195
#2	.93723	.00204	58.998	-.00244	-.00187	6.4529	13.809	.00010	.74094	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00052**	**.00426**	**.00138**	**.02838**	**.00099**
Stddev	.00018	.00229	.02007	.00022	.00029	.00177
%RSD	4.6718	439.97	470.85	15.880	1.0100	179.60
#1	.00396	-.00110	.01846	.00123	.02859	.00224
#2	.00371	.00214	-.00993	.00154	.02818	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7896.4**	**100080.**	**8333.0**
Stddev	5.9	460.	2.4
%RSD	.07509	.45951	.02938
#1	7900.6	99756.	8334.7
#2	7892.2	100410.	8331.3

Sample Name: 280-48852-b-3-b Acquired: 11/8/2013 23:07:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.08764**	**-.00035**	**.22060**	**.06096**	**.00014**	**-.00030**	**81.446**	**.00075**	**.00008**
Stddev	.00045	.00020	.00279	.00053	.00026	.00011	.00094	.192	.00005	.00017
%RSD	4113.0	.23105	798.17	.24070	.43412	80.925	307.91	.23579	6.0310	207.36
#1	.00031	.08778	.00162	.22022	.06114	.00006	-.00097	81.310	.00072	-.00004
#2	-.00033	.08750	-.00232	.22097	.06077	.00021	.00036	81.582	.00079	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00539**	**.23542**	**9.4997**	**.02661**	**17.511**	**.10860**	**.00842**	**101.09**	**.00156**
Stddev	.00016	.00002	.00279	.1034	.00022	.076	.00044	.00016	.31	.00025
%RSD	38.749	.28869	1.1846	1.0884	.82860	.43594	.40149	1.8820	.30425	15.899
#1	.00030	.00538	.23739	9.4266	.02677	17.565	.10891	.00853	101.30	.00139
#2	.00052	.00540	.23344	9.5728	.02646	17.457	.10829	.00831	100.87	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2112**	**.00150**	**53.672**	**-.00023**	**.00336**	**5.4161**	**11.591**	**.00009**	**.63018**	**-.00109**
Stddev	.0013	.00065	.001	.00282	.00245	.0020	.004	.00025	.00040	.00095
%RSD	.10980	43.425	.00200	1225.0	73.020	.03723	.03723	267.21	.06379	87.079
#1	1.2121	.00196	53.673	.00176	.00162	5.4147	11.587	-.00008	.62990	-.00176
#2	1.2102	.00104	53.671	-.00222	.00509	5.4176	11.594	.00027	.63047	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**.00053**	**.02188**	**.00085**	**.03600**	**.00058**
Stddev	.00031	.00045	.02409	.00031	.00048	.00044
%RSD	11.647	84.437	110.12	36.483	1.3244	76.135
#1	.00247	.00021	.03892	.00108	.03634	.00027
#2	.00291	.00084	.00484	.00063	.03566	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7991.6**	**100780.**	**8382.2**
Stddev	11.2	406.	76.1
%RSD	.14005	.40252	.90735
#1	7983.7	100490.	8435.9
#2	7999.5	101070.	8328.4

Sample Name: 280-48852-b-4-b Acquired: 11/8/2013 23:09:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.12690**	**.00014**	**.20552**	**.06475**	**.00016**	**.00085**	**86.294**	**.00060**	**.00008**
Stddev	.00022	.00055	.00316	.00000	.00021	.00000	.00067	.227	.00005	.00031
%RSD	138.33	.43593	2224.3	.00123	.32547	.05571	78.420	.26288	7.7401	385.84
#1	.00000	.12729	-.00209	.20552	.06490	.00016	.00038	86.454	.00057	.00030
#2	.00032	.12651	.00238	.20553	.06460	.00016	.00132	86.133	.00063	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00690**	**.34022**	**10.117**	**.02691**	**18.943**	**.16456**	**.00384**	**102.00**	**.00196**
Stddev	.00004	.00024	.00328	.010	.00164	.012	.00042	.00012	.30	.00032
%RSD	5.9802	3.4925	.96276	.09527	6.0919	.06531	.25403	3.2159	.29621	16.340
#1	.00064	.00707	.33790	10.111	.02807	18.952	.16427	.00376	102.22	.00173
#2	.00059	.00673	.34253	10.124	.02576	18.935	.16486	.00393	101.79	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2173**	**.00245**	**55.677**	**-.00200**	**.00353**	**5.7196**	**12.240**	**-.00095**	**.69507**	**-.00078**
Stddev	.0019	.00017	.032	.00077	.00336	.0332	.071	.00091	.00296	.00149
%RSD	.15784	6.8523	.05765	38.365	95.333	.58032	.58032	96.185	.42515	190.45
#1	1.2160	.00257	55.699	-.00145	.00115	5.7431	12.290	-.00030	.69716	-.00183
#2	1.2187	.00233	55.654	-.00254	.00591	5.6961	12.190	-.00160	.69298	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**.00070**	**-.00464**	**.00098**	**.02365**	**.00220**
Stddev	.00017	.00019	.01517	.00004	.00008	.00022
%RSD	4.1525	27.034	327.13	3.9826	.33701	9.9248
#1	.00401	.00057	.00609	.00095	.02371	.00236
#2	.00425	.00084	-.01537	.00101	.02359	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7982.1**	**101040.**	**8518.0**
Stddev	14.1	292.	63.6
%RSD	.17644	.28892	.74609
#1	7972.1	101250.	8473.1
#2	7992.0	100840.	8563.0

Sample Name: 280-48852-b-5-b Acquired: 11/8/2013 23:11:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.11226**	**-.00042**	**.16071**	**.08828**	**.00012**	**-.00034**	**99.675**	**.00055**	**.00010**
Stddev	.00007	.00048	.00141	.00074	.00020	.00002	.00044	.325	.00005	.00004
%RSD	36.214	.42806	338.23	.45961	.22668	14.415	127.09	.32564	9.5021	41.064
#1	.00024	.11260	-.00141	.16019	.08814	.00013	-.00065	99.445	.00059	.00012
#2	.00014	.11192	.00058	.16123	.08842	.00011	-.00003	99.904	.00052	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00280**	**.36150**	**6.1422**	**.02939**	**20.786**	**.26418**	**.00372**	**96.493**	**.00128**
Stddev	.00003	.00045	.00628	.0322	.00109	.070	.00067	.00008	.339	.00010
%RSD	5.9505	15.976	1.7377	.52467	3.7250	.33804	.25187	2.0292	.35135	7.6600
#1	.00056	.00249	.35705	6.1194	.03017	20.836	.26465	.00367	96.254	.00121
#2	.00051	.00312	.36594	6.1650	.02862	20.736	.26371	.00378	96.733	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05479**	**-.00013**	**54.930**	**.00024**	**.00249**	**5.3246**	**11.395**	**-.00026**	**.81854**	**-.00153**
Stddev	.00059	.00021	.100	.00267	.00051	.0024	.005	.00060	.00342	.00061
%RSD	1.0687	159.73	.18228	1102.7	20.457	.04532	.04532	234.75	.41725	40.136
#1	.05520	-.00028	54.860	.00213	.00213	5.3229	11.391	-.00068	.81612	-.00110
#2	.05438	.00002	55.001	-.00164	.00284	5.3263	11.398	.00017	.82095	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**.00051**	**.00405**	**.00067**	**.01025**	**.00167**
Stddev	.00089	.00036	.03224	.00017	.00004	.00000
%RSD	22.291	71.066	796.65	24.475	.40329	.18364
#1	.00464	.00025	-.01875	.00079	.01022	.00168
#2	.00337	.00077	.02685	.00056	.01028	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7994.1**	**101790.**	**8553.6**
Stddev	2.2	764.	39.9
%RSD	.02804	.75041	.46658
#1	7992.5	101250.	8581.8
#2	7995.7	102330.	8525.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 23:14:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**50.892**	**.00112**	**.00717**	**-.00002**	**.00002**	**1.0361**	**.08049**	**-.00006**	**-.00081**	**-.00007**	**.00859**	**49.775**
Stddev	.00017	.015	.00039	.00019	.00019	.00011	.0002	.05874	.00008	.00017	.00013	.00024	.004
%RSD	5.1502	.02982	34.957	2.7026	958.78	446.03	.01599	72.979	131.26	21.062	192.34	2.8063	.00878
#1	.00352	50.881	.00084	.00731	.00011	-.00005	1.0360	.12203	.00000	-.00093	-.00016	.00842	49.771
#2	.00327	50.903	.00140	.00703	-.00015	.00010	1.0363	.03895	-.00012	-.00069	.00002	.00876	49.778
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21727**	**-.00230**	**.08495**	**.00039**	**-.00015**	**261.99**	**.00011**	**.00160**	**.00235**	**5.1294**	**.00015**	**-.00145**	**.02712**
Stddev	.03776	.00255	.00195	.00006	.00008	.40	.00013	.00085	.00009	.0119	.00118	.00186	.01130
%RSD	17.381	110.78	2.2946	15.711	51.339	.15189	126.40	53.534	3.9592	.23115	768.62	128.86	41.645
#1	.19056	-.00411	.08632	.00035	-.00020	261.71	.00020	.00099	.00228	5.1210	.00099	-.00276	.03511
#2	.24397	-.00050	.08357	.00043	-.00010	262.27	.00001	.00220	.00241	5.1377	-.00068	-.00013	.01914
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05804**	**-.00050**	**.00099**	**4.8521**	**-.00566**	**.00194**	**10.217**	**.00088**	**.00163**	**.02272**
Stddev	.02417	.00041	.00043	.0157	.00004	.00038	.018	.00023	.00035	.00235
%RSD	41.645	82.636	42.995	.32254	.62697	19.721	.17131	26.460	21.687	10.335
#1	.07514	-.00080	.00129	4.8410	-.00568	.00167	10.205	.00104	.00188	.02106
#2	.04095	-.00021	.00069	4.8632	-.00563	.00222	10.229	.00071	.00138	.02438
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8082.4**	**102220.**	**8539.0**
Stddev	.9	452.	60.2
%RSD	.01139	.44241	.70542
#1	8081.8	102540.	8581.6
#2	8083.1	101900.	8496.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 23:16:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50410**	**.51846**	**1.0175**	**.51634**	**.50736**	**.49989**	**.00118**	**5.0302**	**.51152**	**.50875**	**.50538**	**.51377**
Stddev	.00063	.00145	.0028	.00393	.00356	.00430	.00116	.0138	.00023	.00098	.00026	.00136
%RSD	.12585	.27998	.27901	.76129	.70087	.86025	97.846	.27395	.04402	.19270	.05138	.26409
#1	.50455	.51743	1.0155	.51356	.50987	.50293	.00200	5.0399	.51136	.50806	.50520	.51281
#2	.50365	.51948	1.0195	.51912	.50485	.49685	.00036	5.0204	.51168	.50945	.50556	.51473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4502**	**51.856**	**1.0159**	**19.834**	**.50191**	**.51422**	W **5.5179**	**.51365**	**1.0162**	**1.0421**	**.02211**	**1.0371**
Stddev	.0204	.152	.0075	.012	.00076	.00151	.0935	.00453	.0057	.0022	.00304	.0058
%RSD	.83170	.29331	.73823	.05962	.15071	.29343	1.6944	.88156	.55964	.21051	13.745	.55977
#1	2.4646	51.963	1.0212	19.843	.50245	.51316	5.5840	.51045	1.0122	1.0405	.02426	1.0330
#2	2.4358	51.748	1.0106	19.826	.50138	.51529	5.4518	.51685	1.0202	1.0436	.01997	1.0412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0127**	**5.0149**	**10.732**	**1.0222**	**.50441**	**-.00176**	**.50477**	**1.0373**	**.02609**	**.50730**	**.50372**	**.50728**
Stddev	.0014	.0295	.063	.0020	.00317	.00123	.00029	.0014	.01991	.00033	.00125	.00282
%RSD	.13422	.58903	.58903	.19603	.62791	69.710	.05699	.13379	76.335	.06428	.24724	.55609
#1	1.0118	5.0358	10.777	1.0207	.50665	-.00089	.50457	1.0363	.01201	.50753	.50284	.50927
#2	1.0137	4.9940	10.687	1.0236	.50217	-.00262	.50498	1.0383	.04017	.50707	.50460	.50528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8212.8**	**104520.**	**8580.6**
Stddev	30.2	98.	73.8
%RSD	.36733	.09349	.86058
#1	8234.1	104450.	8632.8
#2	8191.4	104590.	8528.4

Sample Name: CCB Acquired: 11/8/2013 23:18:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00243**	**.00168**	**.00301**	**.00012**	**.00027**	**.00087**	**.00777**	**.00025**	**-.00001**	**.00013**	**.00085**
Stddev	.00063	.00022	.00033	.00044	.00025	.00007	.00183	.00109	.00022	.00004	.00004	.00023
%RSD	119.03	8.8944	19.888	14.474	204.68	24.834	208.88	14.036	88.926	449.62	32.763	27.061
#1	.00008	.00258	.00191	.00270	-.00005	.00032	.00216	.00854	.00040	.00002	.00010	.00102
#2	.00098	.00228	.00144	.00332	.00030	.00023	-.00042	.00700	.00009	-.00003	.00017	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00540**	**.10657**	**.00078**	**-.00014**	**.00010**	**.00051**	W **.15213**	**.00020**	**-.00039**	**.00099**	**.01681**	F **.00659**
Stddev	.00317	.02436	.00133	.00048	.00005	.00004	.00373	.00005	.00021	.00047	.00067	.00087
%RSD	58.680	22.861	171.68	342.34	45.928	6.9775	2.4530	26.977	53.697	47.308	3.9649	13.237
#1	.00765	.12379	-.00017	-.00048	.00007	.00054	.15477	.00023	-.00024	.00132	.01728	.00721
#2	.00316	.08934	.00172	.00020	.00013	.00049	.14949	.00016	-.00054	.00066	.01633	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**.00889**	**.01903**	**.00031**	**.00024**	**.00005**	**.00045**	**.00054**	**-.00009**	**-.00018**	**.00354**	**-.00087**
Stddev	.00277	.00006	.00012	.00001	.00013	.00001	.00031	.00084	.02820	.00054	.00056	.00086
%RSD	94.721	.62993	.62993	4.2051	55.350	20.425	69.871	155.88	30001.	293.68	15.853	98.450
#1	.00097	.00893	.01911	.00032	.00034	.00006	.00023	-.00006	.01984	.00020	.00394	-.00026
#2	.00489	.00885	.01894	.00030	.00015	.00004	.00067	.00113	-.02003	-.00056	.00314	-.00147
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8198.5**	**105200.**	**8336.2**
Stddev	26.7	349.	23.3
%RSD	.32518	.33171	.28001
#1	8217.4	104950.	8319.7
#2	8179.7	105450.	8352.7

Sample Name: CCVL2367586 Acquired: 11/8/2013 23:20:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.10790**	**.01587**	**.10037**	**.01026**	**.00108**	**.12483**	**.21241**	**.00526**	**.01046**	**.01046**	**.01606**	**.10718**
Stddev	.00080	.00003	.00283	.00022	.00041	.00003	.00092	.00123	.00012	.00017	.00001	.00003	.00228
%RSD	8.5649	.03163	17.847	.21780	4.0181	2.6653	.73418	.57874	2.3381	1.6054	.11355	.19361	2.1230
#1	.00986	.10792	.01387	.10053	.00997	.00110	.12419	.21328	.00535	.01058	.01047	.01608	.10557
#2	.00873	.10787	.01787	.10022	.01056	.00106	.12548	.21154	.00517	.01034	.01045	.01604	.10878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2241**	**.00846**	**.20834**	**.01036**	**.02039**	**1.2094**	**.04205**	**2.9268**	**.01098**	**.01500**	**.00899**	**.01723**	**.50728**
Stddev	.0293	.00153	.00230	.00000	.00015	.0346	.00044	.0036	.00091	.00135	.00364	.00235	.00210
%RSD	.90717	18.096	1.1055	.02697	.73901	2.8642	1.0523	.12423	8.3011	9.0100	40.477	13.617	.41473
#1	3.2448	.00954	.20997	.01036	.02049	1.2339	.04236	2.9243	.01033	.01596	.00642	.01557	.50579
#2	3.2034	.00738	.20671	.01036	.02028	1.1850	.04174	2.9294	.01162	.01404	.01156	.01889	.50877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0856**	**.10470**	**.01025**	**.01614**	**.00975**	**.01595**	F **.03883**	**.00990**	**.02518**	**.01602**
Stddev	.0045	.00047	.00013	.00026	.00036	.00026	.02999	.00052	.00017	.00002
%RSD	.41473	.44783	1.2747	1.6070	3.6866	1.6565	77.222	5.2667	.69265	.12175
#1	1.0824	.10503	.01016	.01632	.00950	.01576	.06003	.00953	.02530	.01603
#2	1.0888	.10436	.01034	.01595	.01001	.01614	.01763	.01026	.02506	.01600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8245.5**	**105690.**	**8442.4**
Stddev	23.4	488.	9.0
%RSD	.28437	.46134	.10627
#1	8228.9	106030.	8436.1
#2	8262.0	105340.	8448.7

Sample Name: 280-48880-d-1-b Acquired: 11/8/2013 23:23:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.25817**	**.00158**	**.03107**	**.06004**	**.00016**	**-.00190**	**38.935**	**.00031**	**-.00017**
Stddev	.00082	.00093	.00557	.00028	.00052	.00001	.00129	.010	.00006	.00018
%RSD	224.09	.36048	352.16	.91134	.86674	6.5424	67.671	.02640	19.858	106.07
#1	-.00095	.25751	-.00236	.03087	.06041	.00015	-.00281	38.928	.00035	-.00030
#2	.00021	.25882	.00553	.03127	.05968	.00016	-.00099	38.943	.00027	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**.00178**	**.26437**	**3.0218**	**.01420**	**8.8783**	**.11222**	**.00889**	**25.233**	**.00167**
Stddev	.00011	.00028	.00539	.0137	.00018	.0231	.00002	.00037	.695	.00025
%RSD	5.1908	15.938	2.0381	.45204	1.2754	.26050	.01872	4.2151	2.7559	14.904
#1	.00222	.00158	.26818	3.0315	.01408	8.8620	.11220	.00862	24.742	.00149
#2	.00206	.00198	.26056	3.0122	.01433	8.8947	.11223	.00915	25.725	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02403**	**.00155**	**18.318**	**.00264**	**-.00146**	**3.4138**	**7.3054**	**-.00025**	**.32346**	**-.00039**
Stddev	.00208	.00072	.059	.00220	.00075	.0173	.0369	.00115	.00070	.00125
%RSD	8.6366	46.751	.32462	83.410	51.543	.50565	.50565	464.97	.21561	316.50
#1	.02550	.00104	18.276	.00419	-.00199	3.4260	7.3316	.00057	.32395	-.00128
#2	.02257	.00206	18.360	.00108	-.00093	3.4016	7.2793	-.00106	.32297	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.00073**	**.00119**	**.00045**	**.00592**	**.00068**
Stddev	.00019	.00090	.02750	.00050	.00027	.00079
%RSD	2.0836	122.90	2320.2	110.83	4.6149	116.54
#1	.00890	.00137	.02063	.00080	.00572	.00124
#2	.00916	.00010	-.01826	.00010	.00611	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8131.0**	**103410.**	**8507.8**
Stddev	5.9	38.	23.5
%RSD	.07239	.03705	.27621
#1	8126.9	103440.	8491.2
#2	8135.2	103390.	8524.4

Sample Name: 280-48880-d-2-b Acquired: 11/8/2013 23:25:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.02808**	**.00209**	**.21330**	**.04757**	**.00003**	**-.00003**	**83.482**	**.00070**	**-.00001**
Stddev	.00029	.00025	.00193	.00062	.00050	.00000	.00411	.404	.00009	.00008
%RSD	99.529	.90282	92.307	.28925	1.0451	13.905	12072.	.48414	12.847	1133.9
#1	-.00009	.02826	.00346	.21373	.04721	.00004	-.00294	83.768	.00076	-.00007
#2	-.00049	.02790	.00073	.21286	.04792	.00003	.00287	83.196	.00064	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.01574**	**.29841**	**17.252**	**.03519**	**18.378**	**.02745**	**.00589**	**140.24**	**.00174**
Stddev	.00005	.00081	.00242	.024	.00252	.080	.00014	.00007	.79	.00022
%RSD	11.270	5.1740	.81256	.13848	7.1545	.43429	.51782	1.2682	.56511	12.717
#1	.00046	.01517	.29670	17.269	.03341	18.322	.02735	.00594	140.80	.00190
#2	.00039	.01632	.30013	17.235	.03697	18.435	.02755	.00584	139.68	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35151**	**.00104**	**54.832**	**-.00172**	**.00358**	**2.2645**	**4.8461**	**.00030**	**.81832**	**-.00081**
Stddev	.00073	.00062	.116	.00018	.00106	.0139	.0298	.00064	.00420	.00101
%RSD	.20839	59.267	.21155	10.770	29.590	.61575	.61575	213.23	.51376	124.15
#1	.35099	.00148	54.750	-.00185	.00432	2.2547	4.8250	.00076	.82129	-.00152
#2	.35203	.00060	54.914	-.00159	.00283	2.2744	4.8672	-.00015	.81534	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**.00092**	**.04394**	**.00047**	**.04839**	**.00206**
Stddev	.00046	.00075	.00371	.00091	.00008	.00019
%RSD	27.385	81.968	8.4407	190.81	.15731	9.3671
#1	.00202	.00039	.04132	-.00017	.04845	.00219
#2	.00137	.00145	.04656	.00111	.04834	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7959.4**	**101130.**	**8540.4**
Stddev	1.1	227.	27.9
%RSD	.01356	.22469	.32725
#1	7958.6	101300.	8520.6
#2	7960.1	100970.	8560.1

Sample Name: 280-48880-d-3-b Acquired: 11/8/2013 23:27:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.21159**	**-.00089**	**.14455**	**.07228**	**.00007**	**.00127**	**73.134**	**.00049**	**.00038**
Stddev	.00054	.00050	.00149	.00031	.00009	.00005	.00111	.323	.00005	.00012
%RSD	238.67	.23477	167.72	.21666	.12098	65.596	86.811	.44176	10.077	31.848
#1	-.00016	.21194	-.00194	.14478	.07222	.00010	.00206	72.905	.00045	.00029
#2	.00061	.21124	.00016	.14433	.07234	.00004	.00049	73.362	.00052	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00632**	**.34611**	**10.698**	**.02813**	**15.793**	**.16986**	**.00720**	**85.947**	**.00126**
Stddev	.00013	.00043	.00358	.039	.00008	.022	.00059	.00029	.580	.00004
%RSD	28.053	6.7647	1.0329	.36030	.27228	.14174	.34960	4.0210	.67431	2.9094
#1	.00057	.00663	.34359	10.671	.02819	15.808	.17028	.00741	85.537	.00129
#2	.00038	.00602	.34864	10.725	.02808	15.777	.16944	.00700	86.357	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21388**	**.00072**	**40.960**	**-.00089**	**.00082**	**3.8214**	**8.1779**	**-.00027**	**.69395**	**-.00155**
Stddev	.00095	.00050	.107	.00246	.00223	.0050	.0108	.00017	.00135	.00182
%RSD	.44550	69.277	.26106	276.24	270.34	.13179	.13179	62.539	.19414	117.63
#1	.21321	.00108	40.884	.00085	.00240	3.8179	8.1702	-.00039	.69300	-.00026
#2	.21455	.00037	41.035	-.00263	-.00075	3.8250	8.1855	-.00015	.69490	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00613**	**-.00069**	**-.00558**	**.00107**	**.02432**	**.00272**
Stddev	.00024	.00040	.00405	.00025	.00003	.00359
%RSD	3.9459	58.999	72.486	23.410	.13088	132.03
#1	.00630	-.00097	-.00844	.00125	.02434	.00525
#2	.00596	-.00040	-.00272	.00090	.02429	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8034.5**	**102540.**	**8620.2**
Stddev	9.9	283.	71.1
%RSD	.12322	.27634	.82535
#1	8027.5	102340.	8670.5
#2	8041.5	102740.	8569.9

Sample Name: 280-48837-b-2-a Acquired: 11/8/2013 23:30:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**24.396**	**.01187**	**.04759**	**.28847**	**.00113**	**-.01724**	**56.562**	**.00110**	**.00822**
Stddev	.00055	.057	.00227	.00002	.00051	.00003	.00078	.180	.00003	.00015
%RSD	522.53	.23462	19.117	.04792	.17586	2.9072	4.5291	.31763	2.4246	1.8312
#1	-.00028	24.437	.01347	.04757	.28883	.00115	-.01779	56.689	.00108	.00833
#2	.00050	24.356	.01026	.04760	.28811	.00110	-.01669	56.435	.00112	.00811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02592**	**.02776**	**20.798**	**7.8695**	**.02224**	**14.907**	**.44038**	**.01055**	**14.087**	**.03910**
Stddev	.00011	.00043	.125	.0972	.00083	.039	.00033	.00028	.248	.00011
%RSD	.42849	1.5534	.59972	1.2347	3.7204	.26356	.07534	2.6536	1.7594	.26877
#1	.02600	.02746	20.886	7.9382	.02282	14.935	.44062	.01075	13.912	.03917
#2	.02584	.02807	20.710	7.8008	.02165	14.880	.44015	.01035	14.262	.03903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68224**	**.01695**	**12.019**	**-.00128**	**.00265**	W **53.384**	**114.24**	**.00093**	**.22442**	**.00797**
Stddev	.00089	.00107	.008	.00237	.00133	.070	.15	.00075	.00038	.00247
%RSD	.13071	6.2983	.06467	185.84	50.106	.13149	.13149	79.845	.17148	31.033
#1	.68287	.01619	12.013	.00040	.00359	53.433	114.35	.00146	.22469	.00972
#2	.68161	.01770	12.024	-.00295	.00171	53.334	114.14	.00041	.22415	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34658**	**-.00034**	**-.03088**	**.05185**	**.08675**	**.01054**
Stddev	.00245	.00043	.00161	.00003	.00055	.00314
%RSD	.70694	124.13	5.2014	.05169	.63652	29.785
#1	.34485	-.00004	-.02974	.05183	.08636	.01276
#2	.34832	-.00064	-.03202	.05187	.08714	.00832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8441.1**	**105530.**	**8868.7**
Stddev	22.6	357.	55.0
%RSD	.26777	.33851	.62047
#1	8425.1	105270.	8829.8
#2	8457.0	105780.	8907.6

Sample Name: 280-48837-b-3-a Acquired: 11/8/2013 23:32:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**114.33**	**.05536**	**.13989**	**1.0782**	**.00595**	**-.04272**	**182.72**	**.00364**	**.04211**
Stddev	.00104	.05	.00250	.00055	.0038	.00002	.00042	1.29	.00013	.00000
%RSD	112.23	.04691	4.5186	.39428	.35027	.37597	.98796	.70801	3.4748	.00277
#1	-.00167	114.37	.05360	.14028	1.0809	.00597	-.04302	181.80	.00356	.04211
#2	-.00019	114.29	.05713	.13950	1.0756	.00593	-.04242	183.63	.00373	.04211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13276**	**.13916**	**114.73**	**29.494**	**.09613**	**43.718**	**1.9557**	**.04719**	**22.728**	**.16101**
Stddev	.00005	.00001	.65	.021	.00401	.043	.0022	.00003	.106	.00007
%RSD	.03464	.00684	.56989	.07193	4.1696	.09875	.11450	.05873	.46702	.04067
#1	.13279	.13916	115.19	29.509	.09896	43.749	1.9573	.04717	22.803	.16096
#2	.13273	.13917	114.27	29.479	.09329	43.688	1.9541	.04721	22.653	.16105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2353**	**.13696**	**22.261**	**-.00301**	**.01087**	W **107.44**	W **229.91**	**.00945**	**.57024**	**.03048**
Stddev	.0057	.00117	.017	.00194	.00040	.31	.66	.00018	.00218	.00066
%RSD	.13431	.85269	.07858	64.428	3.6370	.28896	.28896	1.9320	.38301	2.1740
#1	4.2394	.13778	22.249	-.00164	.01115	107.66	230.38	.00932	.57178	.03001
#2	4.2313	.13613	22.273	-.00438	.01059	107.22	229.44	.00958	.56869	.03095
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000	107.00			
Low Limit	-1.0000					-.10000	-.21400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0065**	**-.00233**	F **-.13774**	**.25605**	**1.1548**	**.02683**
Stddev	.0036	.00199	.06775	.00046	.0033	.00062
%RSD	.36081	85.145	49.186	.17803	.28824	2.3102
#1	1.0040	-.00093	-.08984	.25637	1.1571	.02727
#2	1.0091	-.00374	-.18565	.25573	1.1524	.02640
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8646.0**	**107050.**	**9508.8**
Stddev	6.8	789.	22.8
%RSD	.07827	.73684	.23995
#1	8650.8	106490.	9524.9
#2	8641.2	107610.	9492.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 23:34:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00365**	**50.591**	**.00235**	**.00585**	**.00049**	**.00001**	**1.0376**	**.05614**	**-.00012**	**-.00091**	**-.00012**	**.00893**	**49.231**
Stddev	.00053	.072	.00531	.00002	.00080	.00008	.0076	.00439	.00000	.00005	.00005	.00028	.460
%RSD	14.399	.14214	226.46	.30748	164.01	1048.9	.73675	7.8166	.57863	5.3990	39.348	3.1083	.93469
#1	.00328	50.642	-.00141	.00583	.00105	.00006	1.0322	.05925	-.00012	-.00094	-.00016	.00874	48.906
#2	.00402	50.540	.00610	.00586	-.00008	-.00005	1.0430	.05304	-.00012	-.00087	-.00009	.00913	49.557
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11365**	**.00160**	**.09118**	**.00077**	**-.00041**	**260.46**	**-.00017**	**.00300**	**.00171**	**5.1007**	**.00135**	**-.00142**	**.11166**
Stddev	.05057	.00026	.00153	.00002	.00012	1.54	.00024	.00066	.00042	.0169	.00252	.00179	.00479
%RSD	44.493	16.481	1.6777	2.5763	30.236	.58972	141.58	22.162	24.560	.33119	186.29	126.20	4.2871
#1	.14941	.00141	.09010	.00076	-.00050	261.55	-.00034	.00347	.00200	5.0887	-.00043	-.00269	.10828
#2	.07790	.00179	.09226	.00078	-.00032	259.38	.00000	.00253	.00141	5.1126	.00314	-.00015	.11505
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23896**	**-.00050**	**.00057**	**4.8662**	**-.00526**	**.00191**	**10.181**	**.00025**	**.00182**	**.01888**
Stddev	.01024	.00038	.00006	.0104	.00019	.00108	.025	.00059	.00025	.00605
%RSD	4.2871	75.210	11.068	.21272	3.6384	56.560	.24685	235.59	13.517	32.018
#1	.23172	-.00077	.00061	4.8735	-.00512	.00267	10.163	-.00017	.00199	.01461
#2	.24620	-.00023	.00052	4.8588	-.00539	.00115	10.199	.00067	.00164	.02316
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8122.9**	**101790.**	**8523.9**
Stddev	7.7	194.	41.6
%RSD	.09533	.19081	.48827
#1	8128.4	101650.	8494.5
#2	8117.5	101920.	8553.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 23:37:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51452**	**.53513**	**1.0374**	**.52542**	**.51688**	**.51109**	**.00167**	**5.1483**	**.52267**	**.52045**	**.51651**	**.52631**	**2.4821**
Stddev	.00021	.00093	.0006	.00175	.00132	.00014	.00106	.0042	.00041	.00085	.00046	.00071	.0080
%RSD	.04035	.17354	.06233	.33265	.25450	.02817	63.660	.08108	.07820	.16342	.08913	.13397	.32104
#1	.51467	.53579	1.0369	.52665	.51595	.51099	.00242	5.1512	.52296	.52105	.51684	.52681	2.4877
#2	.51438	.53448	1.0379	.52418	.51781	.51119	.00092	5.1453	.52238	.51985	.51619	.52581	2.4764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.939**	**1.0336**	**20.318**	**.51319**	**.52720**	F **5.5552**	**.52206**	**1.0426**	**1.0667**	**.01514**	**1.0586**	**1.0454**	**5.1360**
Stddev	.095	.0020	.067	.00147	.00101	.0077	.00016	.0063	.0006	.00138	.0040	.0033	.0360
%RSD	.17913	.19663	.33095	.28641	.19236	.13822	.03042	.60310	.05525	9.0923	.38119	.31446	.70119
#1	52.872	1.0321	20.365	.51423	.52792	5.5606	.52218	1.0470	1.0671	.01611	1.0558	1.0477	5.1105
#2	53.006	1.0350	20.270	.51215	.52648	5.5497	.52195	1.0382	1.0663	.01416	1.0615	1.0431	5.1614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.991**	**1.0466**	**.51494**	**-.00374**	**.51667**	**1.0607**	**-.03448**	**.51989**	**.51504**	**.51599**
Stddev	.077	.0018	.00062	.00228	.00121	.0007	.00675	.00037	.00022	.00045
%RSD	.70119	.17378	.12101	60.919	.23365	.06475	19.586	.07195	.04341	.08714
#1	10.936	1.0479	.51450	-.00534	.51752	1.0611	-.02971	.52016	.51520	.51567
#2	11.045	1.0453	.51538	-.00213	.51582	1.0602	-.03926	.51963	.51488	.51631
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8228.4**	**104330.**	**8525.2**
Stddev	4.0	34.	70.3
%RSD	.04892	.03225	.82495
#1	8231.2	104310.	8574.9
#2	8225.5	104360.	8475.5

Sample Name: CCB Acquired: 11/8/2013 23:39:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00587**	**.00178**	**.00226**	**.00018**	**.00024**	**.00354**	**.01702**	**.00024**	**.00005**	**.00017**	**.00024**
Stddev	.00063	.00138	.00007	.00021	.00001	.00015	.00009	.00485	.00004	.00007	.00024	.00007
%RSD	104.78	23.478	3.6627	9.1637	5.7212	64.801	2.5505	28.504	17.893	125.36	140.93	29.805
#1	.00016	.00685	.00182	.00240	.00017	.00035	.00347	.02045	.00027	.00001	.00000	.00019
#2	.00105	.00490	.00173	.00211	.00019	.00013	.00360	.01359	.00021	.00010	.00034	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01496**	**.04886**	**-.00112**	**.00763**	**.00024**	**.00060**	W **.10887**	**-.00003**	**-.00062**	**.00198**	**.01190**	F **.00756**
Stddev	.00310	.02870	.00169	.00106	.00002	.00013	.00562	.00033	.00010	.00074	.00340	.00027
%RSD	20.716	58.754	150.93	13.875	10.098	21.834	5.1593	1000.4	15.613	37.135	28.596	3.5752
#1	.01715	.02856	.00008	.00837	.00023	.00051	.11285	.00020	-.00055	.00250	.01431	.00775
#2	.01277	.06915	-.00231	.00688	.00026	.00070	.10490	-.00027	-.00069	.00146	.00949	.00737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.03233**	**.06918**	**.00063**	**.00028**	**.00168**	**.00005**	**-.00108**	**-.01233**	**-.00005**	**.00411**	**-.00107**
Stddev	.00398	.00235	.00503	.00021	.00001	.00017	.00021	.00094	.00024	.00012	.00013	.00217
%RSD	424.98	7.2771	7.2771	33.442	4.2147	10.192	382.82	87.408	1.9379	235.44	3.1993	202.80
#1	-.00188	.03066	.06562	.00078	.00027	.00156	.00020	-.00175	-.01216	-.00013	.00421	.00046
#2	.00375	.03399	.07274	.00048	.00029	.00180	-.00009	-.00041	-.01249	.00003	.00402	-.00260
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8300.2**	**106310.**	**8453.0**
Stddev	7.2	332.	33.8
%RSD	.08682	.31240	.39994
#1	8295.1	106070.	8476.9
#2	8305.3	106540.	8429.1

Sample Name: CCVL2367586 Acquired: 11/8/2013 23:41:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.11074**	**.01637**	**.10064**	**.01040**	**.00112**	**.12612**	**.21342**	**.00558**	**.01056**	**.01072**	**.01611**	**.10812**
Stddev	.00002	.00047	.00039	.00037	.00001	.00015	.00434	.00029	.00003	.00011	.00000	.00041	.00022
%RSD	.24689	.42294	2.4031	.37144	.11730	13.755	3.4392	.13576	.57631	1.0455	.04595	2.5533	.20305
#1	.00997	.11107	.01665	.10037	.01041	.00122	.12919	.21363	.00560	.01048	.01072	.01640	.10828
#2	.00993	.11041	.01610	.10090	.01039	.00101	.12306	.21322	.00556	.01064	.01072	.01582	.10796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2427**	**.01201**	**.21124**	**.01044**	**.02073**	**1.1785**	**.04245**	**2.9577**	**.01045**	**.01326**	**.01097**	**.01846**	**.52466**
Stddev	.0729	.00054	.00244	.00007	.00020	.0005	.00041	.0038	.00024	.00019	.00059	.00060	.00450
%RSD	2.2486	4.5265	1.1569	.69767	.97477	.04458	.96335	.12896	2.2799	1.3986	5.4205	3.2771	.85722
#1	3.2942	.01162	.21296	.01050	.02087	1.1789	.04274	2.9550	.01061	.01313	.01055	.01803	.52148
#2	3.1911	.01239	.20951	.01039	.02058	1.1781	.04216	2.9604	.01028	.01339	.01140	.01888	.52784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1228**	**.10446**	**.01053**	**.01542**	**.01044**	**.01592**	F **.08034**	**.00969**	**.02573**	**.01729**
Stddev	.0096	.00155	.00000	.00187	.00034	.00106	.01051	.00022	.00022	.00068
%RSD	.85722	1.4885	.00685	12.156	3.2440	6.6675	13.085	2.3064	.85941	3.9275
#1	1.1160	.10336	.01053	.01674	.01068	.01517	.08777	.00985	.02557	.01777
#2	1.1296	.10556	.01053	.01409	.01020	.01667	.07290	.00953	.02589	.01681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8353.4**	**106380.**	**8498.7**
Stddev	20.3	431.	94.0
%RSD	.24341	.40548	1.1059
#1	8339.0	106080.	8432.3
#2	8367.7	106690.	8565.2

Sample Name: mb 280-199620/1-b Acquired: 11/8/2013 23:43:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00014**	**.00819**	**.00123**	**.00192**	**.00028**	**.00015**	**.00151**	**.01136**	**.00015**	**-.00006**
Stddev	.00000	.00013	.00312	.00070	.00006	.00006	.00211	.00031	.00014	.00014
%RSD	1.9201	1.5437	254.79	36.272	20.399	39.673	139.07	2.7017	92.664	239.45
#1	-.00014	.00828	.00343	.00143	.00032	.00011	.00300	.01158	.00005	-.00015
#2	-.00014	.00810	-.00098	.00241	.00024	.00020	.00003	.01114	.00024	.00004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00017**	**.01068**	**.04711**	**.00040**	**.00280**	W **.00076**	**.00021**	W **.11502**	**-.00009**
Stddev	.00005	.00040	.00069	.02908	.00363	.00008	.00001	.00028	.00790	.00006
%RSD	28.393	237.54	6.4830	61.722	907.70	2.8463	1.9573	130.98	6.8655	74.886
#1	.00014	.00045	.01117	.06767	.00297	.00286	.00075	.00002	.12061	-.00013
#2	.00021	-.00011	.01019	.02655	-.00217	.00274	.00077	.00041	.10944	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00083**	F **.01871**	**.00184**	**.00211**	F **.01004**	**.02148**	**-.00022**	**.00004**	W **.00018**
Stddev	.00101	.00011	.00255	.00024	.00381	.00539	.01154	.00004	.00002	.00131
%RSD	99.162	13.485	13.615	12.878	180.75	53.700	53.700	16.393	51.382	721.93
#1	.00030	.00091	.01691	.00201	-.00059	.01385	.02964	-.00019	.00006	.00111
#2	.00173	.00075	.02051	.00168	.00480	.00623	.01332	-.00024	.00003	-.00075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00052**	**.00146**	**-.00037**	W **.00450**	**-.00059**
Stddev	.00023	.00076	.06830	.00033	.00058	.00180
%RSD	151.56	145.16	4670.4	90.353	12.844	303.51
#1	.00032	.00001	-.04683	-.00060	.00491	-.00187
#2	-.00001	-.00106	.04976	-.00013	.00409	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8313.7**	**106810.**	**8439.9**
Stddev	31.8	239.	14.7
%RSD	.38230	.22415	.17393
#1	8336.1	106640.	8429.5
#2	8291.2	106980.	8450.3

Sample Name: lcs 280-199620/2-b Acquired: 11/8/2013 23:46:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04979**	**1.9440**	**1.0105**	**1.0183**	**2.0620**	**.05028**	**2.3221**	**49.746**	**.10585**	**.49995**
Stddev	.00005	.0000	.0047	.0030	.0028	.00031	.0020	.086	.00035	.00021
%RSD	.10143	.00148	.46386	.29152	.13534	.61285	.08676	.17264	.33442	.04122
#1	.04976	1.9440	1.0138	1.0162	2.0600	.05007	2.3207	49.685	.10560	.49980
#2	.04983	1.9441	1.0072	1.0204	2.0639	.05050	2.3235	49.806	.10610	.50009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20452**	**.26339**	**.97368**	**52.564**	**1.0255**	**49.945**	**.50352**	**1.0332**	**54.277**	**.50152**
Stddev	.00051	.00009	.00556	.015	.0017	.013	.00042	.0032	.241	.00060
%RSD	.24916	.03380	.57055	.02827	.16173	.02624	.08275	.30818	.44421	.11919
#1	.20416	.26332	.96975	52.575	1.0243	49.954	.50381	1.0309	54.107	.50110
#2	.20488	.26345	.97761	52.554	1.0266	49.936	.50322	1.0354	54.448	.50194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.286**	**.50104**	**.00575**	**.51088**	**2.0205**	**10.095**	**21.602**	**2.0311**	**1.0223**	**1.0250**
Stddev	.021	.00269	.00010	.00237	.0062	.049	.104	.0071	.0012	.0024
%RSD	.20838	.53763	1.7944	.46369	.30706	.48335	.48335	.34940	.11628	.23785
#1	10.271	.49913	.00582	.51255	2.0249	10.060	21.529	2.0361	1.0215	1.0233
#2	10.301	.50294	.00567	.50920	2.0161	10.129	21.676	2.0261	1.0232	1.0268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0301**	**1.9790**	**2.1755**	**.52032**	**.50157**	**.51930**
Stddev	.0016	.0113	.0814	.00103	.00116	.00307
%RSD	.15438	.56896	3.7429	.19880	.23131	.59168
#1	1.0312	1.9870	2.1180	.51959	.50075	.51712
#2	1.0290	1.9710	2.2331	.52105	.50239	.52147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8017.1**	**101270.**	**8494.7**
Stddev	5.7	86.	18.8
%RSD	.07059	.08500	.22187
#1	8021.1	101210.	8481.4
#2	8013.1	101330.	8508.1

Sample Name: 280-48852-c-1-d Acquired: 11/8/2013 23:48:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.01372**	**.00145**	**.22841**	**.07473**	**.00000**	**-.00114**	**89.478**	**.00058**	**-.00001**
Stddev	.00018	.00025	.00025	.00033	.00081	.0001	.00225	.026	.00012	.00007
%RSD	32.075	1.8550	17.110	.14372	1.0899	2814.2	196.66	.02909	20.368	997.36
#1	-.00069	.01354	.00127	.22864	.07531	.00005	-.00273	89.459	.00066	.00004
#2	-.00044	.01390	.00162	.22817	.07416	-.00005	.00045	89.496	.00049	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00487**	**.08125**	**8.4916**	**.03350**	**18.016**	**.07938**	**.00628**	**106.97**	**.00167**
Stddev	.00011	.00014	.00158	.0724	.00278	.031	.00032	.00012	.89	.00007
%RSD	20.203	2.9646	1.9396	.85304	8.3008	.17054	.40080	1.9366	.82738	3.9121
#1	.00061	.00477	.08236	8.4404	.03547	17.994	.07916	.00619	107.59	.00162
#2	.00045	.00497	.08013	8.5428	.03154	18.038	.07961	.00636	106.34	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86011**	**.00230**	**56.973**	**.00027**	**.00357**	**5.9619**	**12.758**	**.00054**	**.70084**	**.00008**
Stddev	.00159	.00037	.083	.00178	.00039	.0194	.042	.00093	.00034	.00070
%RSD	.18463	16.269	.14548	651.90	11.024	.32590	.32590	174.27	.04891	877.96
#1	.85899	.00256	56.915	.00153	.00385	5.9481	12.729	-.00012	.70108	.00057
#2	.86123	.00204	57.032	-.00099	.00329	5.9756	12.788	.00119	.70060	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00144**	**.01747**	**.00108**	**.02365**	**-.00009**
Stddev	.00032	.00073	.05024	.00015	.00028	.00084
%RSD	35.444	50.511	287.60	13.734	1.1646	942.33
#1	.00067	.00092	-.01805	.00098	.02345	-.00068
#2	.00112	.00195	.05299	.00119	.02384	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.9**	**100590.**	**8413.5**
Stddev	4.1	457.	51.4
%RSD	.05134	.45478	.61079
#1	7919.0	100910.	8377.2
#2	7924.8	100270.	8449.8

Sample Name: 280-48852-c-1-dSD@5 Acquired: 11/8/2013 23:50:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.07691**	**.00085**	**.04648**	**.01452**	**.00002**	**.00151**	**17.696**	**.00033**	**-.00013**
Stddev	.00004	.00044	.00097	.00041	.00001	.00003	.00004	.048	.00001	.00002
%RSD	9.3694	.57072	114.10	.87921	.06226	210.36	2.7386	.27222	2.5974	13.362
#1	-.00042	.07722	.00154	.04619	.01453	.00004	.00148	17.731	.00034	-.00015
#2	-.00037	.07660	.00016	.04677	.01452	-.00001	.00154	17.662	.00033	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00159**	**.40680**	**1.7383**	**.00598**	**3.6440**	**.02014**	**.00131**	**21.311**	**.00034**
Stddev	.00011	.00023	.00037	.0367	.00216	.0130	.00012	.00009	.029	.00017
%RSD	26.951	14.200	.09049	2.1086	36.038	.35617	.57230	6.9650	.13771	50.508
#1	.00033	.00175	.40654	1.7642	.00751	3.6349	.02005	.00125	21.291	.00046
#2	.00049	.00143	.40706	1.7124	.00446	3.6532	.02022	.00138	21.332	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16562**	**.00068**	**11.062**	**-.00160**	**.00063**	**1.1604**	**2.4832**	**.00227**	**.13905**	**.00241**
Stddev	.00129	.00010	.032	.00013	.00079	.0112	.0239	.00049	.00031	.00008
%RSD	.77782	14.397	.29202	8.3415	125.49	.96456	.96456	21.427	.22447	3.4574
#1	.16471	.00075	11.085	-.00169	.00119	1.1683	2.5002	.00192	.13927	.00235
#2	.16653	.00061	11.040	-.00150	.00007	1.1525	2.4663	.00261	.13883	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00130**	**-.01525**	**-.00008**	**.02382**	**-.00226**
Stddev	.00011	.00028	.00629	.00000	.00000	.00056
%RSD	26.033	21.671	41.237	5.2021	.01243	24.844
#1	.00051	.00150	-.01081	-.00009	.02382	-.00265
#2	.00035	.00110	-.01970	-.00008	.02382	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8160.7**	**104040.**	**8421.0**
Stddev	22.5	217.	24.1
%RSD	.27594	.20816	.28565
#1	8144.7	104190.	8404.0
#2	8176.6	103890.	8438.0

Sample Name: 280-48852-c-1-e ms Acquired: 11/8/2013 23:52:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04969**	**1.9248**	**1.0369**	**1.2313**	**2.1544**	**.05106**	F **2.3146**	**136.97**	**.10681**	**.49690**
Stddev	.00010	.0038	.0021	.0005	.0018	.00027	.0117	.27	.00020	.00017
%RSD	.20991	.19636	.20184	.03966	.08344	.52580	.50449	.20059	.18628	.03362
#1	.04962	1.9275	1.0355	1.2309	2.1557	.05125	2.3228	137.16	.10695	.49702
#2	.04976	1.9221	1.0384	1.2316	2.1531	.05087	2.3063	136.78	.10667	.49679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20617**	**.26776**	**1.0522**	**62.276**	**1.0699**	**66.998**	**.58038**	**1.0498**	**159.26**	**.50079**
Stddev	.00008	.00088	.0024	.078	.0011	.005	.00061	.0006	.35	.00050
%RSD	.04078	.32801	.23100	.12586	.10528	.00793	.10596	.05254	.22075	.10030
#1	.20623	.26714	1.0539	62.331	1.0707	66.994	.57994	1.0495	159.01	.50044
#2	.20611	.26838	1.0504	62.221	1.0691	67.002	.58081	1.0502	159.51	.50115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.361**	**.49502**	**56.207**	**.51396**	**2.0282**	**16.042**	**34.330**	W **2.0165**	**1.7222**	**1.0277**
Stddev	.001	.00078	.036	.00044	.0035	.033	.071	.0015	.0037	.0035
%RSD	.01082	.15670	.06376	.08493	.17166	.20713	.20713	.07516	.21712	.34135
#1	11.362	.49447	56.232	.51427	2.0257	16.066	34.380	2.0176	1.7249	1.0252
#2	11.360	.49557	56.181	.51365	2.0307	16.019	34.280	2.0155	1.7196	1.0301
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0360**	**1.8951**	**2.1860**	**.52553**	**.51742**	**.52250**
Stddev	.0006	.0015	.0225	.00051	.00191	.00209
%RSD	.05966	.07841	1.0284	.09619	.36890	.39905
#1	1.0355	1.8962	2.1701	.52588	.51877	.52103
#2	1.0364	1.8941	2.2019	.52517	.51607	.52397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7805.9**	**98909.**	**8355.7**
Stddev	14.9	295.	5.9
%RSD	.19115	.29835	.07022
#1	7795.3	98700.	8351.6
#2	7816.4	99117.	8359.9

Sample Name: 280-48852-c-1-f msd Acquired: 11/8/2013 23:54:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05098**	**1.9567**	**1.0587**	**1.2533**	**2.1930**	**.05206**	F **2.3477**	**139.22**	**.10898**	**.50657**
Stddev	.00053	.0025	.0007	.0009	.0015	.00018	.0028	.22	.00007	.00107
%RSD	1.0451	.12771	.06979	.07199	.06852	.34396	.11798	.15582	.06281	.21220
#1	.05060	1.9549	1.0592	1.2527	2.1919	.05194	2.3458	139.37	.10903	.50581
#2	.05135	1.9584	1.0582	1.2540	2.1940	.05219	2.3497	139.06	.10893	.50733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20964**	**.27294**	**1.0728**	**63.145**	**1.0917**	**68.170**	**.59004**	**1.0684**	**162.01**	**.50963**
Stddev	.00053	.00115	.0050	.045	.0042	.030	.00102	.0000	.30	.00054
%RSD	.25357	.42007	.46796	.07121	.38506	.04339	.17263	.00116	.18393	.10680
#1	.21002	.27376	1.0692	63.177	1.0888	68.149	.58932	1.0684	161.80	.51001
#2	.20926	.27213	1.0763	63.114	1.0947	68.191	.59076	1.0684	162.22	.50924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.547**	**.50135**	**57.127**	**.51975**	**2.0511**	**16.298**	**34.878**	W **2.0468**	**1.7543**	**1.0470**
Stddev	.002	.00084	.097	.00200	.0077	.144	.309	.0002	.0001	.0062
%RSD	.01766	.16704	.16983	.38495	.37690	.88608	.88608	.00871	.00271	.59149
#1	11.545	.50195	57.058	.51834	2.0566	16.196	34.660	2.0469	1.7542	1.0426
#2	11.548	.50076	57.195	.52117	2.0456	16.400	35.097	2.0467	1.7543	1.0514
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0542**	**1.9301**	**2.2416**	**.53624**	**.52700**	**.52995**
Stddev	.0017	.0018	.0279	.00040	.00284	.00224
%RSD	.16321	.09088	1.2460	.07482	.53856	.42223
#1	1.0529	1.9289	2.2613	.53652	.52499	.52837
#2	1.0554	1.9314	2.2218	.53596	.52901	.53153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7782.1**	**99047.**	**8409.7**
Stddev	10.7	612.	3.3
%RSD	.13811	.61751	.03892
#1	7774.5	99480.	8407.4
#2	7789.7	98615.	8412.0

Sample Name: 280-48888-a-1-c Acquired: 11/8/2013 23:57:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.00302**	**.00256**	**.11077**	**.20433**	**.00012**	**-.00136**	**174.15**	**.00080**	**.00010**
Stddev	.00003	.00067	.00347	.00067	.00068	.00010	.00504	.10	.00005	.00009
%RSD	4.7848	22.240	135.86	.60528	.33272	87.471	369.23	.05559	6.6602	88.119
#1	-.00063	.00350	.00010	.11030	.20481	.00019	-.00493	174.08	.00076	.00016
#2	-.00067	.00255	.00501	.11125	.20385	.00005	.00220	174.22	.00084	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00434**	**.01691**	**5.7280**	**.05254**	**33.988**	**.01831**	**.00341**	**112.32**	**.00075**
Stddev	.00002	.00002	.00077	.0844	.00020	.094	.00006	.00019	.27	.00012
%RSD	5.6389	.49293	4.5495	1.4733	.37166	.27595	.34417	5.6261	.24339	15.949
#1	.00039	.00435	.01637	5.7877	.05241	33.922	.01835	.00327	112.13	.00067
#2	.00043	.00432	.01745	5.6683	.05268	34.055	.01826	.00354	112.52	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01558**	**.00081**	**74.673**	**.00065**	**.01132**	**9.5740**	**20.488**	**.00048**	**1.8577**	**-.00061**
Stddev	.00069	.00041	.011	.00264	.00427	.0428	.092	.00046	.0025	.00048
%RSD	4.3980	50.389	.01443	404.38	37.690	.44733	.44733	95.931	.13360	79.130
#1	.01509	.00110	74.681	.00252	.01434	9.5437	20.424	.00016	1.8594	-.00095
#2	.01606	.00052	74.666	-.00121	.00831	9.6043	20.553	.00081	1.8559	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00264**	**.03988**	**.00096**	**.00904**	**.00282**
Stddev	.00036	.00030	.02035	.00031	.00028	.00049
%RSD	52.549	11.291	51.016	32.279	3.0741	17.216
#1	.00044	.00243	.02550	.00074	.00885	.00248
#2	.00095	.00285	.05427	.00118	.00924	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7771.0**	**99438.**	**8447.1**
Stddev	17.0	375.	12.0
%RSD	.21874	.37729	.14183
#1	7783.0	99703.	8455.5
#2	7759.0	99173.	8438.6

Sample Name: 280-48888-a-1-d ms Acquired: 11/8/2013 23:59:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**1.8965**	**1.0441**	**1.1240**	**2.2805**	**.05058**	F **2.3144**	**218.68**	**.10754**	**.49348**
Stddev	.00003	.0022	.0008	.0016	.0020	.00021	.0031	.86	.00001	.00058
%RSD	.06099	.11874	.08105	.14595	.08840	.41100	.13266	.39193	.01066	.11845
#1	.05064	1.8981	1.0447	1.1228	2.2791	.05043	2.3166	219.29	.10754	.49389
#2	.05060	1.8950	1.0435	1.1252	2.2819	.05072	2.3122	218.08	.10755	.49307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20543**	**.26667**	**.97663**	**59.571**	**1.0950**	**82.625**	**.51525**	**1.0471**	**166.69**	**.49693**
Stddev	.00013	.00055	.00083	.087	.0018	.041	.00064	.0011	.34	.00078
%RSD	.06348	.20536	.08469	.14601	.15993	.04970	.12397	.10703	.20484	.15793
#1	.20552	.26628	.97605	59.509	1.0963	82.654	.51570	1.0463	166.45	.49749
#2	.20534	.26705	.97722	59.632	1.0938	82.596	.51480	1.0479	166.93	.49638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.581**	**.48914**	**74.412**	**.51258**	**2.0426**	**19.712**	**42.184**	W **2.0075**	**2.8716**	**1.0191**
Stddev	.005	.00138	.149	.00233	.0066	.067	.144	.0002	.0047	.0027
%RSD	.05175	.28182	.20029	.45396	.32107	.34064	.34064	.00811	.16287	.26567
#1	10.585	.48816	74.517	.51422	2.0472	19.665	42.083	2.0076	2.8683	1.0210
#2	10.577	.49011	74.306	.51093	2.0379	19.760	42.286	2.0074	2.8749	1.0171
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0266**	**1.8765**	**2.1891**	**.52304**	**.49765**	**.52026**
Stddev	.0005	.0019	.0094	.00162	.00024	.00182
%RSD	.04829	.10076	.43022	.30954	.04782	.34964
#1	1.0269	1.8778	2.1958	.52418	.49781	.51897
#2	1.0262	1.8751	2.1825	.52189	.49748	.52154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7697.8**	**98428.**	**8482.5**
Stddev	14.8	143.	88.1
%RSD	.19186	.14548	1.0384
#1	7708.2	98529.	8420.2
#2	7687.3	98326.	8544.7

Sample Name: 280-48888-a-1-e msd Acquired: 11/9/2013 0:01:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05021**	**1.8954**	**1.0458**	**1.1272**	**2.2888**	**.05114**	F **2.3197**	**223.37**	**.10789**	**.49521**
Stddev	.00026	.0043	.0051	.0009	.0024	.00000	.0050	.65	.00003	.00006
%RSD	.50904	.22581	.48604	.08150	.10263	.00186	.21562	.29115	.02975	.01238
#1	.05039	1.8923	1.0422	1.1266	2.2872	.05114	2.3162	223.83	.10787	.49517
#2	.05002	1.8984	1.0494	1.1279	2.2905	.05114	2.3232	222.91	.10791	.49526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20609**	**.26746**	**.98078**	**59.894**	**1.0973**	**83.431**	**.51981**	**1.0514**	**167.50**	**.49902**
Stddev	.00007	.00074	.00299	.048	.0014	.601	.00405	.0020	.06	.00046
%RSD	.03439	.27777	.30500	.07968	.12474	.72047	.78007	.19281	.03725	.09264
#1	.20604	.26799	.97866	59.928	1.0963	83.856	.52268	1.0500	167.55	.49935
#2	.20614	.26694	.98289	59.860	1.0983	83.006	.51694	1.0529	167.46	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.613**	**.49015**	**74.672**	**.51396**	**2.0418**	**19.855**	**42.490**	W **2.0128**	**2.8881**	**1.0262**
Stddev	.007	.00023	.021	.00568	.0086	.123	.262	.0029	.0030	.0109
%RSD	.06376	.04594	.02859	1.1042	.41966	.61705	.61705	.14578	.10514	1.0578
#1	10.608	.49030	74.656	.50995	2.0357	19.942	42.676	2.0107	2.8860	1.0338
#2	10.618	.48999	74.687	.51798	2.0479	19.769	42.305	2.0148	2.8903	1.0185
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0359**	**1.8789**	**2.1959**	**.52701**	**.50134**	**.52300**
Stddev	.0071	.0002	.0835	.00355	.00273	.00356
%RSD	.68928	.01128	3.8016	.67318	.54413	.68163
#1	1.0409	1.8791	2.1369	.52952	.50326	.52552
#2	1.0308	1.8788	2.2550	.52450	.49941	.52048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7711.4**	**97743.**	**8450.4**
Stddev	1.2	169.	26.9
%RSD	.01593	.17287	.31852
#1	7710.5	97623.	8469.5
#2	7712.3	97862.	8431.4

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:03:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**50.962**	**.00169**	**.00862**	**.00097**	**.00008**	**1.0335**	**.06590**	**-.00004**	**-.00074**	**-.00006**	**.00863**	**49.255**
Stddev	.00010	.082	.00388	.00044	.00010	.00006	.0047	.01119	.00012	.00027	.00005	.00072	.134
%RSD	2.8112	.16048	229.78	5.1172	10.416	75.822	.45287	16.979	298.76	36.872	79.604	8.2942	.27192
#1	.00336	51.020	-.00105	.00893	.00090	.00012	1.0302	.07382	-.00012	-.00055	-.00003	.00914	49.160
#2	.00349	50.904	.00443	.00831	.00105	.00004	1.0368	.05799	.00004	-.00093	-.00009	.00812	49.350
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18028**	**.00252**	**.09615**	**.00041**	**.00026**	**261.78**	**.00001**	**.00227**	**.00203**	**5.1042**	**.00024**	**.00372**	**.03461**
Stddev	.00375	.00055	.00420	.00001	.00015	.22	.00029	.00064	.00053	.0059	.00148	.00164	.01881
%RSD	2.0821	21.976	4.3655	1.9333	55.621	.08419	4333.2	28.193	25.941	.11531	616.09	44.178	54.335
#1	.18293	.00291	.09318	.00042	.00036	261.93	.00021	.00182	.00240	5.1083	.00128	.00488	.02132
#2	.17762	.00212	.09912	.00041	.00016	261.62	-.00020	.00272	.00166	5.1000	-.00080	.00256	.04791
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07408**	**-.00002**	**.00111**	**4.8615**	**-.00581**	**.00185**	**10.178**	**.00073**	**.00190**	**.01844**
Stddev	.04025	.00032	.00017	.0076	.00017	.00053	.032	.00009	.00084	.00245
%RSD	54.335	1876.4	14.894	.15599	2.9045	28.560	.31809	12.022	44.304	13.305
#1	.04561	.00021	.00123	4.8669	-.00593	.00223	10.155	.00080	.00131	.01670
#2	.10254	-.00024	.00099	4.8561	-.00569	.00148	10.201	.00067	.00250	.02017
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8040.1**	**100670.**	**8363.9**
Stddev	23.4	452.	63.2
%RSD	.29053	.44923	.75557
#1	8056.7	100350.	8319.2
#2	8023.6	100990.	8408.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 0:06:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50390**	**.51838**	**1.0095**	**.51413**	**.51036**	**.50232**	**.00253**	**5.0947**	**.51018**	**.51150**	**.50627**	**.51492**
Stddev	.00106	.00222	.0026	.00004	.00075	.00042	.00211	.0016	.00088	.00013	.00024	.00118
%RSD	.21020	.42747	.25692	.00800	.14598	.08377	83.349	.03132	.17234	.02519	.04783	.22890
#1	.50315	.51995	1.0077	.51410	.50983	.50202	.00402	5.0936	.50956	.51159	.50610	.51409
#2	.50465	.51681	1.0113	.51416	.51088	.50262	.00104	5.0958	.51080	.51141	.50644	.51575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4330**	**52.178**	**1.0184**	**19.947**	**.50608**	**.51347**	W **5.5028**	**.51244**	**1.0140**	**1.0410**	**.01806**	**1.0333**
Stddev	.0227	.037	.0045	.036	.00035	.00421	.0196	.00045	.0053	.0076	.00086	.0041
%RSD	.93237	.07029	.43977	.18052	.06954	.82000	.35595	.08785	.51884	.72733	4.7616	.39731
#1	2.4491	52.152	1.0152	19.972	.50633	.51049	5.5166	.51212	1.0103	1.0356	.01745	1.0304
#2	2.4170	52.204	1.0215	19.921	.50583	.51644	5.4889	.51276	1.0178	1.0463	.01867	1.0362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0171**	**4.9945**	**10.688**	**1.0256**	**.50700**	**-.00231**	**.50884**	**1.0420**	**-.02397**	**.51195**	**.50761**	**.50496**
Stddev	.0024	.0444	.095	.0025	.00045	.00232	.00082	.0022	.02733	.00125	.00031	.00117
%RSD	.23594	.88826	.88826	.24715	.08902	100.16	.16030	.20862	113.98	.24353	.06129	.23230
#1	1.0187	5.0259	10.755	1.0238	.50669	-.00395	.50941	1.0404	-.00465	.51284	.50783	.50579
#2	1.0154	4.9632	10.621	1.0274	.50732	-.00067	.50826	1.0435	-.04330	.51107	.50739	.50413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.2**	**103630.**	**8433.7**
Stddev	14.0	316.	29.3
%RSD	.17121	.30502	.34755
#1	8205.1	103410.	8413.0
#2	8185.3	103860.	8454.4

Sample Name: CCB Acquired: 11/9/2013 0:08:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00229**	**-.00033**	**.00316**	**-.00001**	**.00018**	**.00111**	**.00579**	**.00012**	**-.00020**	**.00009**	**.00021**
Stddev	.00026	.00033	.00089	.00044	.00012	.00003	.00233	.00219	.00005	.00009	.00005	.00001
%RSD	57.978	14.597	268.64	14.022	989.45	14.080	210.10	37.870	41.352	44.802	55.014	4.2873
#1	.00063	.00205	-.00096	.00347	.00007	.00020	.00275	.00424	.00016	-.00026	.00013	.00020
#2	.00026	.00252	.00030	.00284	-.00010	.00016	-.00054	.00734	.00009	-.00014	.00006	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00392**	**.10060**	**.00238**	**.00547**	**.00006**	**.00064**	W **.09771**	**-.00005**	**-.00064**	**.00037**	**.01083**	F **.00730**
Stddev	.00203	.03586	.00220	.00107	.00001	.00028	.01460	.00008	.00034	.00070	.00290	.00102
%RSD	51.850	35.649	92.710	19.632	10.177	44.481	14.947	150.72	53.347	192.09	26.789	13.979
#1	.00536	.07524	.00394	.00623	.00006	.00084	.10804	.00000	-.00088	-.00013	.01289	.00658
#2	.00248	.12596	.00082	.00471	.00006	.00044	.08738	-.00010	-.00040	.00086	.00878	.00802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.01011**	**.02165**	**.00027**	**.00017**	**-.00039**	**.00034**	**.00048**	**.00036**	**-.00053**	**.00397**	**-.00026**
Stddev	.00148	.00088	.00188	.00022	.00005	.00131	.00045	.00057	.01848	.00033	.00009	.00057
%RSD	90.130	8.6659	8.6659	81.839	27.238	335.74	135.17	120.35	5174.6	61.289	2.3938	214.43
#1	.00269	.01073	.02297	.00011	.00020	-.00131	.00066	.00088	-.01271	-.00077	.00403	.00014
#2	.00060	.00949	.02032	.00043	.00014	.00053	.00001	.00007	.01342	-.00030	.00390	-.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8344.7**	**107620.**	**8491.1**
Stddev	23.5	352.	18.7
%RSD	.28197	.32709	.22035
#1	8328.0	107860.	8477.9
#2	8361.3	107370.	8504.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 0:10:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00989**	**.10745**	**.01574**	**.10129**	**.01034**	**.00106**	**.12535**	**.21669**	**.00573**	**.01049**	**.01068**	**.01576**	**.10301**	**3.1993**
Stddev	.00038	.00093	.00161	.00014	.00015	.00000	.00096	.00045	.00008	.00002	.00003	.00000	.00182	.0361
%RSD	3.8088	.86358	10.228	.14118	1.4102	.03270	.76704	.20834	1.4764	.21436	.26197	.02022	1.7682	1.1286
#1	.00962	.10679	.01688	.10119	.01023	.00106	.12603	.21701	.00579	.01050	.01070	.01576	.10172	3.1738
#2	.01015	.10810	.01460	.10139	.01044	.00106	.12467	.21637	.00567	.01047	.01066	.01576	.10430	3.2248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01214**	**.21112**	**.01033**	**.02072**	**1.1549**	**.04251**	**2.9539**	**.01015**	**.01408**	**.01001**	**.01553**	**.49172**	**1.0523**	**.10390**
Stddev	.00203	.00221	.00003	.00044	.0086	.00031	.0066	.00110	.00081	.00218	.00020	.01944	.0416	.00083
%RSD	16.736	1.0485	.33792	2.1318	.74555	.71841	.22521	10.827	5.7488	21.827	1.2785	3.9542	3.9542	.80043
#1	.01071	.20955	.01031	.02041	1.1488	.04229	2.9492	.01093	.01351	.00847	.01539	.47797	1.0229	.10449
#2	.01358	.21269	.01036	.02103	1.1609	.04272	2.9586	.00937	.01466	.01156	.01567	.50547	1.0817	.10331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.01514**	**.01013**	**.01769**	**.05788**	**.00946**	**.02534**	**.01557**
Stddev	.00002	.00159	.00000	.00109	.01388	.00004	.00013	.00007
%RSD	.22344	10.484	.02737	6.1853	23.980	.46629	.52156	.42368
#1	.01045	.01626	.01014	.01692	.04806	.00949	.02544	.01562
#2	.01041	.01401	.01013	.01847	.06769	.00943	.02525	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8368.4**	**107460.**	**8565.7**
Stddev	16.1	125.	50.6
%RSD	.19191	.11637	.59114
#1	8357.1	107550.	8529.9
#2	8379.8	107370.	8601.5

Sample Name: 280-48852-c-2-b Acquired: 11/9/2013 0:12:52 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.01415**	**.00103**	**.24305**	**.07549**	**.00009**	**.00024**	**90.032**	**.00080**	**.00018**
Stddev	.00068	.00330	.00157	.00017	.00021	.00002	.00300	.149	.00010	.00018
%RSD	190.13	23.300	152.67	.07171	.27438	16.545	1237.2	.16535	11.898	103.53
#1	-.00084	.01648	.00213	.24293	.07534	.00010	-.00188	90.137	.00087	.00031
#2	.00012	.01182	-.00008	.24318	.07564	.00008	.00237	89.926	.00073	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00418**	**.07949**	**8.5641**	**.02635**	**17.921**	**.09041**	**.00567**	**106.42**	**.00138**
Stddev	.00031	.00028	.00087	.0103	.00399	.002	.00002	.00002	.19	.00050
%RSD	69.759	6.7089	1.0964	.12063	15.124	.01101	.02169	.29609	.17570	35.927
#1	.00067	.00398	.08011	8.5714	.02917	17.922	.09042	.00566	106.55	.00173
#2	.00023	.00437	.07888	8.5568	.02353	17.920	.09039	.00568	106.29	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85319**	**.00027**	**56.454**	**.00068**	**.00256**	**5.9931**	**12.825**	**-.00072**	**.70819**	**.00056**
Stddev	.00033	.00209	.104	.00134	.00143	.0749	.160	.00010	.00110	.00133
%RSD	.03899	766.61	.18389	198.15	55.967	1.2501	1.2501	14.294	.15505	236.27
#1	.85295	.00175	56.381	.00162	.00357	6.0461	12.939	-.00064	.70741	.00151
#2	.85342	-.00121	56.527	-.00027	.00155	5.9402	12.712	-.00079	.70896	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00042**	**.00147**	**.00111**	**.02447**	**.00223**
Stddev	.00042	.00176	.01339	.00019	.00028	.00074
%RSD	452.98	418.02	910.83	17.565	1.1434	32.921
#1	-.00039	.00166	.01094	.00125	.02467	.00275
#2	.00020	-.00082	-.00800	.00097	.02428	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8000.6**	**102280.**	**8566.7**
Stddev	17.1	36.	121.0
%RSD	.21370	.03515	1.4126
#1	7988.5	102310.	8481.2
#2	8012.7	102260.	8652.3

Sample Name: 280-48852-c-3-b Acquired: 11/9/2013 0:15:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01585**	**.00066**	**.21904**	**.05991**	**.00020**	**-.00155**	**81.912**	**.00070**	**.00000**
Stddev	.00011	.00022	.00075	.00004	.00022	.00002	.00160	.175	.00015	.00004
%RSD	67.088	1.3783	113.01	.01796	.36802	11.136	103.64	.21344	21.852	11856.
#1	-.00024	.01569	.00013	.21906	.05975	.00021	-.00268	81.788	.00059	.00003
#2	-.00009	.01600	.00119	.21901	.06006	.00018	-.00041	82.036	.00081	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00483**	**.09356**	**9.5115**	**.02862**	**17.420**	**.10022**	**.00841**	**102.57**	**.00193**
Stddev	.00021	.00022	.00082	.0042	.00004	.059	.00021	.00020	.03	.00021
%RSD	51.359	4.5495	.88084	.04428	.13177	.33595	.20633	2.4080	.03408	10.672
#1	.00026	.00498	.09297	9.5145	.02865	17.461	.10037	.00855	102.55	.00179
#2	.00056	.00467	.09414	9.5085	.02860	17.378	.10007	.00826	102.59	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1791**	**.00214**	**53.829**	**.00073**	**.00259**	**5.2096**	**11.148**	**-.00051**	**.63695**	**-.00007**
Stddev	.0047	.00005	.081	.00007	.00219	.0155	.033	.00068	.00239	.00110
%RSD	.40010	2.3569	.14990	9.0768	84.490	.29821	.29821	132.68	.37470	1674.4
#1	1.1824	.00211	53.772	.00068	.00104	5.2206	11.172	-.00003	.63526	-.00084
#2	1.1757	.00218	53.887	.00078	.00414	5.1986	11.125	-.00099	.63864	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00041**	**.02030**	**.00023**	**.03359**	**.00153**
Stddev	.00015	.00033	.06268	.00019	.00100	.00077
%RSD	96.802	79.053	308.72	83.628	2.9758	50.256
#1	.00005	.00018	.06462	.00037	.03430	.00208
#2	.00027	.00064	-.02402	.00010	.03288	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8031.2**	**102440.**	**8561.4**
Stddev	15.2	542.	23.2
%RSD	.18912	.52886	.27133
#1	8020.4	102050.	8577.9
#2	8041.9	102820.	8545.0

Sample Name: 280-48852-c-4-b Acquired: 11/9/2013 0:17:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00754**	**.00034**	**.19695**	**.06031**	**.00003**	**.00123**	**83.509**	**.00049**	**-.00006**
Stddev	.00026	.00001	.00121	.00088	.00019	.00004	.00278	.014	.00009	.00005
%RSD	455.55	.07212	361.01	.44894	.31742	125.89	226.12	.01627	17.523	83.286
#1	-.00013	.00753	.00119	.19633	.06044	.00000	.00319	83.499	.00055	-.00009
#2	.00024	.00754	-.00052	.19758	.06017	.00006	-.00074	83.519	.00043	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00560**	**.10671**	**9.7355**	**.02593**	**18.215**	**.14421**	**.00390**	**99.203**	**.00174**
Stddev	.00008	.00005	.00028	.0631	.00008	.001	.00009	.00005	.541	.00011
%RSD	27.467	.80757	.26059	.64845	.31861	.00334	.06312	1.2770	.54540	6.0863
#1	.00024	.00563	.10691	9.6909	.02587	18.215	.14427	.00394	98.820	.00181
#2	.00035	.00556	.10651	9.7802	.02599	18.214	.14415	.00387	99.585	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1379**	**.00118**	**54.041**	**-.00122**	**.00447**	**5.2290**	**11.190**	**-.00025**	**.67484**	**-.00042**
Stddev	.0115	.00100	.123	.00012	.00166	.0156	.033	.00064	.00096	.00037
%RSD	1.0125	84.766	.22688	9.6360	37.175	.29753	.29753	260.15	.14233	88.263
#1	1.1297	.00188	53.955	-.00130	.00330	5.2180	11.167	-.00070	.67416	-.00016
#2	1.1460	.00047	54.128	-.00113	.00565	5.2400	11.214	.00021	.67552	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00003**	**.04830**	**.00051**	**.02302**	**.00142**
Stddev	.00024	.00028	.01095	.00027	.00007	.00013
%RSD	106.09	1072.2	22.678	51.609	.31293	9.3764
#1	.00040	.00017	.05605	.00033	.02307	.00132
#2	.00006	-.00023	.04056	.00070	.02297	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8050.0**	**102500.**	**8666.9**
Stddev	6.0	23.	30.9
%RSD	.07502	.02254	.35707
#1	8045.7	102490.	8688.8
#2	8054.3	102520.	8645.0

Sample Name: 280-48852-c-5-b Acquired: 11/9/2013 0:19:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00808**	**-.00085**	**.16361**	**.08784**	**.00013**	**-.00054**	**102.21**	**.00039**	**.00006**
Stddev	.00042	.00038	.00064	.00025	.00150	.00001	.00124	.22	.00006	.00025
%RSD	77.242	4.7543	75.514	.15317	1.7023	5.0418	228.29	.21088	14.592	409.85
#1	-.00025	.00781	-.00040	.16343	.08890	.00013	.00033	102.36	.00043	.00024
#2	-.00084	.00835	-.00131	.16378	.08678	.00014	-.00142	102.05	.00035	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00272**	**.07254**	**6.2869**	**.03118**	**21.410**	**.26453**	**.00389**	**99.110**	**.00102**
Stddev	.00005	.00045	.00050	.0349	.00048	.009	.00008	.00007	.368	.00052
%RSD	11.999	16.429	.69598	.55562	1.5550	.04385	.02908	1.9240	.37107	50.803
#1	.00037	.00240	.07289	6.3116	.03084	21.417	.26459	.00394	99.370	.00065
#2	.00044	.00303	.07218	6.2622	.03152	21.404	.26448	.00383	98.850	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02740**	**.00044**	**56.465**	**-.00199**	**.00383**	**5.1785**	**11.082**	**-.00060**	**.84073**	**-.00090**
Stddev	.00052	.00070	.053	.00043	.00201	.0704	.151	.00113	.00231	.00023
%RSD	1.8803	161.11	.09425	21.580	52.500	1.3600	1.3600	187.92	.27516	26.049
#1	.02776	.00093	56.502	-.00230	.00525	5.2283	11.189	-.00140	.84237	-.00107
#2	.02703	-.00006	56.427	-.00169	.00241	5.1287	10.976	.00020	.83910	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00101**	**.00319**	**.00071**	**.01056**	**.00267**
Stddev	.00006	.00090	.00148	.00003	.00014	.00302
%RSD	34.662	89.139	46.413	4.0056	1.3713	113.17
#1	.00013	.00164	.00424	.00073	.01046	.00480
#2	.00022	.00037	.00214	.00069	.01066	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8000.3**	**102020.**	**8637.3**
Stddev	5.3	307.	39.6
%RSD	.06597	.30138	.45853
#1	7996.6	102240.	8609.3
#2	8004.0	101800.	8665.3

Sample Name: 280-48833-d-1-b Acquired: 11/9/2013 0:22:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**61.199**	**.01013**	**.00678**	**.01826**	**.01036**	**-.00953**	**347.79**	**.06455**	**.25158**
Stddev	.00072	.083	.00377	.00046	.00015	.00001	.00107	.64	.00019	.00020
%RSD	130.25	.13508	37.255	6.8199	.79760	.12189	11.245	.18289	.29036	.07986
#1	-.00004	61.141	.00746	.00711	.01816	.01037	-.00877	347.34	.06442	.25172
#2	-.00106	61.258	.01280	.00645	.01836	.01035	-.01029	348.24	.06468	.25144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00547**	W **13.131**	**83.093**	**4.3816**	**.03642**	**40.799**	W **14.916**	**-.00101**	**64.955**	**.27891**
Stddev	.00006	.019	.157	.0603	.00136	.198	.092	.00020	.503	.00008
%RSD	1.0737	.14632	.18930	1.3760	3.7427	.48622	.61473	19.922	.77464	.02912
#1	.00543	13.118	82.982	4.3390	.03546	40.659	14.981	-.00115	65.311	.27885
#2	.00552	13.145	83.204	4.4242	.03739	40.939	14.851	-.00087	64.599	.27896
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.01000					-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00684**	**.06198**	F **533.17**	**-.00171**	**.00217**	**15.589**	**33.360**	**.00013**	**1.1169**	**.00677**
Stddev	.00003	.00081	1.30	.00275	.00168	.077	.164	.00044	.0009	.00235
%RSD	.44623	1.3005	.24325	160.28	77.160	.49093	.49093	347.69	.08058	34.702
#1	.00686	.06255	532.25	-.00365	.00336	15.535	33.245	-.00018	1.1175	.00844
#2	.00682	.06141	534.08	.00023	.00099	15.643	33.476	.00044	1.1163	.00511
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00149**	F **-.21405**	**.00102**	**6.8921**	**.00076**
Stddev	.00016	.00142	.02367	.00036	.0186	.00059
%RSD	58.163	95.124	11.058	35.148	.26971	76.704
#1	-.00017	-.00250	-.23078	.00127	6.8789	.00118
#2	-.00040	-.00049	-.19731	.00076	6.9052	.00035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.2**	**105380.**	**9221.9**
Stddev	85.2	552.	72.4
%RSD	1.0055	.52367	.78552
#1	8414.9	105770.	9273.1
#2	8535.5	104990.	9170.7

Sample Name: 280-48833-d-2-b Acquired: 11/9/2013 0:24:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**1.5999**	**-.00427**	**.00871**	**.03376**	**.00004**	**.00149**	W **619.31**	**.00116**	**.00098**
Stddev	.00069	.0017	.00246	.00018	.00008	.00003	.00087	.47	.00012	.00014
%RSD	80.007	.10385	57.762	2.0963	.24863	74.835	58.473	.07665	10.303	14.055
#1	-.00135	1.5987	-.00252	.00884	.03370	.00002	.00087	619.65	.00108	.00089
#2	-.00037	1.6011	-.00601	.00858	.03382	.00006	.00210	618.97	.00125	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.01525**	**.01856**	**5.0597**	**.04136**	**20.000**	**1.2501**	**.00257**	**80.712**	**.00228**
Stddev	.00008	.00006	.00317	.0474	.00032	.026	.0011	.00006	.191	.00043
%RSD	47.029	.37566	17.076	.93617	.77866	.12921	.08780	2.3060	.23652	19.063
#1	.00023	.01521	.02080	5.0932	.04159	19.982	1.2509	.00261	80.847	.00258
#2	.00011	.01529	.01631	5.0262	.04114	20.019	1.2493	.00252	80.577	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**-.00097**	F **578.97**	**.00198**	**-.00196**	**.17339**	**.37105**	**-.00079**	**1.3336**	**.00018**
Stddev	.00130	.00003	.24	.00199	.00221	.00011	.00024	.00029	.0006	.00308
%RSD	82.002	2.7348	.04202	100.52	112.81	.06599	.06599	36.484	.04137	1699.8
#1	.00250	-.00095	578.80	.00057	-.00040	.17347	.37123	-.00099	1.3339	-.00200
#2	.00067	-.00099	579.15	.00338	-.00353	.17331	.37088	-.00058	1.3332	.00236
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00368**	**-.03987**	**.00019**	**.01637**	**.00221**
Stddev	.00017	.00080	.01045	.00042	.00075	.00212
%RSD	137.89	21.794	26.207	217.70	4.6109	95.709
#1	.00000	.00311	-.03248	-.00010	.01583	.00071
#2	.00024	.00425	-.04726	.00049	.01690	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7709.4**	**98286.**	**8578.9**
Stddev	9.4	442.	14.2
%RSD	.12149	.44933	.16604
#1	7702.8	98598.	8568.8
#2	7716.0	97973.	8589.0

Sample Name: 280-48833-d-3-b Acquired: 11/9/2013 0:27:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**2.3909**	W **2.7696**	**.00012**	**.00364**	**.02614**	**.00044**	**-.00093**	**74.992**	**.00329**
Stddev	.00045	.0075	.0035	.00024	.00007	.00022	.00002	.00217	.136	.00022
%RSD	3215.8	.31490	.12594	205.70	1.9110	.84746	4.6004	233.23	.18184	6.8351
#1	-.00034	2.3962	2.7721	.00029	.00359	.02599	.00043	.00060	75.088	.00313
#2	.00031	2.3856	2.7672	-.00005	.00369	.02630	.00045	-.00246	74.895	.00345
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01451**	**.00025**	**.36695**	**1.1041**	**1.7353**	**.00844**	**7.5624**	**1.3605**	**-.00006**	**8.4829**
Stddev	.00000	.00022	.00010	.0104	.0285	.00193	.0111	.0011	.00021	.0112
%RSD	.02919	87.489	.02608	.94583	1.6434	22.865	.14700	.08309	357.28	.13208
#1	.01451	.00010	.36688	1.1115	1.7554	.00707	7.5545	1.3597	.00009	8.4908
#2	.01451	.00041	.36702	1.0967	1.7151	.00980	7.5702	1.3613	-.00021	8.4750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02170**	**.00098**	**.00023**	**81.908**	**-.00052**	**.00084**	**8.1180**	**17.373**	**.00061**	**.30359**
Stddev	.00015	.00111	.00026	.058	.00078	.00172	.0951	.204	.00009	.00076
%RSD	.68349	113.19	112.31	.07131	148.31	203.23	1.1716	1.1716	14.330	.24940
#1	.02160	.00177	.00042	81.950	.00003	-.00037	8.1853	17.517	.00054	.30413
#2	.02181	.00020	.00005	81.867	-.00107	.00206	8.0508	17.229	.00067	.30306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00006**	**.00128**	**-.01616**	**-.00018**	**.53073**	**.00114**
Stddev	.00022	.00010	.00123	.00945	.00032	.00149	.00027
%RSD	21.145	183.99	96.471	58.484	174.76	.28132	23.233
#1	.00117	-.00013	.00215	-.02285	-.00041	.52968	.00096
#2	.00087	.00002	.00041	-.00948	.00004	.53179	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8548.4**	**109370.**	**9050.3**
Stddev	10.9	150.	16.9
%RSD	.12802	.13682	.18629
#1	8556.2	109470.	9062.2
#2	8540.7	109260.	9038.3

Sample Name: 280-48880-b-1-b Acquired: 11/9/2013 0:29:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.02374**	**.00075**	**.02992**	**.05765**	**.00005**	**-.00003**	**39.500**	**.00034**	**-.00018**
Stddev	.00011	.00089	.00145	.00067	.00061	.00006	.00562	.086	.00011	.00048
%RSD	45.093	3.7598	192.92	2.2270	1.0571	115.10	19752.	.21820	32.536	260.80
#1	.00016	.02437	-.00027	.02945	.05808	.00001	.00395	39.439	.00026	-.00052
#2	.00032	.02311	.00177	.03039	.05722	.00010	-.00400	39.561	.00042	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00148**	**.02453**	**2.9531**	**.01237**	**8.8555**	**.07629**	**.00851**	**25.575**	**.00095**
Stddev	.00001	.00015	.00158	.0634	.00027	.0227	.00028	.00002	.489	.00024
%RSD	1.9042	9.8152	6.4596	2.1478	2.1512	.25628	.36293	.21721	1.9124	24.817
#1	.00072	.00137	.02565	2.9082	.01218	8.8715	.07648	.00850	25.921	.00079
#2	.00074	.00158	.02341	2.9979	.01256	8.8394	.07609	.00852	25.229	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00830**	**.00026**	**18.857**	**-.00168**	**.00329**	**2.8879**	**6.1800**	**-.00045**	**.33003**	**-.00081**
Stddev	.00159	.00006	.001	.00092	.00199	.0199	.0425	.00081	.00096	.00121
%RSD	19.142	23.554	.00394	54.429	60.536	.68829	.68829	178.39	.28998	148.81
#1	.00718	.00022	18.857	-.00103	.00470	2.9019	6.2101	-.00103	.32935	-.00166
#2	.00942	.00031	18.858	-.00233	.00188	2.8738	6.1499	.00012	.33071	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00029**	**.01595**	**.00002**	**.00574**	**.00206**
Stddev	.00039	.00073	.02020	.00054	.00068	.00025
%RSD	58.262	249.38	126.67	2453.7	11.905	11.965
#1	.00039	-.00081	.03024	.00040	.00622	.00223
#2	.00093	.00022	.00166	-.00036	.00525	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8413.0**	**108650.**	**9062.9**
Stddev	5.4	675.	66.4
%RSD	.06435	.62167	.73274
#1	8416.8	108170.	9109.9
#2	8409.1	109120.	9016.0

Sample Name: 280-48880-b-2-b Acquired: 11/9/2013 0:31:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00625**	**.00065**	**.21241**	**.04513**	**.00008**	**-.00143**	**83.510**	**.00051**	**.00006**
Stddev	.00068	.00007	.00073	.00017	.00007	.00004	.00165	.006	.00005	.00025
%RSD	310.45	1.0633	112.40	.07967	.14782	49.077	115.12	.00742	9.1585	445.48
#1	-.00070	.00630	.00013	.21253	.04508	.00005	-.00027	83.515	.00047	-.00012
#2	.00026	.00620	.00116	.21229	.04518	.00010	-.00260	83.506	.00054	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.01042**	**.04156**	**17.270**	**.03336**	**18.330**	**.02324**	**.00610**	**141.67**	**.00164**
Stddev	.00019	.00001	.00016	.029	.00176	.051	.00015	.00003	.46	.00006
%RSD	48.701	.12806	.39214	.16893	5.2870	.27693	.65199	.46602	.32185	3.6235
#1	.00051	.01043	.04168	17.249	.03212	18.294	.02334	.00608	141.35	.00168
#2	.00025	.01041	.04145	17.290	.03461	18.366	.02313	.00612	141.99	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13174**	**.00026**	**55.181**	**.00062**	**.00350**	**2.1954**	**4.6981**	**.00049**	**.82203**	**.00013**
Stddev	.00263	.00033	.064	.00014	.00208	.0226	.0483	.00017	.00222	.00035
%RSD	1.9976	123.86	.11571	23.238	59.412	1.0286	1.0286	35.660	.27005	272.38
#1	.13360	.00003	55.136	.00072	.00203	2.2114	4.7323	.00036	.82046	.00038
#2	.12988	.00049	55.226	.00052	.00498	2.1794	4.6640	.00061	.82360	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00071**	**-.02901**	**.00014**	**.04595**	**.00098**
Stddev	.00005	.00028	.00874	.00006	.00029	.00140
%RSD	11.127	39.995	30.134	40.935	.63550	142.84
#1	.00043	-.00051	-.03520	.00018	.04575	.00197
#2	.00051	-.00091	-.02283	.00010	.04616	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8183.7**	**104610.**	**8996.4**
Stddev	29.5	361.	53.8
%RSD	.36055	.34557	.59785
#1	8162.9	104860.	8958.4
#2	8204.6	104350.	9034.4

Sample Name: 280-48880-b-3-b Acquired: 11/9/2013 0:34:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.01241**	**-.00252**	**.13886**	**.06489**	**.00017**	**.00138**	**70.400**	**.00069**	**.00026**
Stddev	.00028	.00026	.00082	.00010	.00095	.00001	.00204	.041	.00000	.00019
%RSD	175.16	2.1248	32.540	.07036	1.4586	8.4533	148.05	.05760	.02570	72.026
#1	.00036	.01222	-.00310	.13893	.06556	.00016	.00283	70.429	.00069	.00039
#2	-.00004	.01259	-.00194	.13879	.06422	.00018	-.00006	70.371	.00069	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00486**	**.03834**	**10.333**	**.02873**	**14.964**	**.10087**	**.00693**	**83.513**	**.00157**
Stddev	.00006	.00035	.00374	.006	.00064	.034	.00039	.00015	.369	.00012
%RSD	26.424	7.2114	9.7644	.05496	2.2419	.22524	.38704	2.1244	.44199	7.7471
#1	.00027	.00511	.04099	10.337	.02918	14.988	.10114	.00683	83.774	.00148
#2	.00018	.00461	.03569	10.329	.02827	14.940	.10059	.00704	83.252	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15682**	**.00125**	**39.578**	**-.00062**	**-.00033**	**3.2033**	**6.8551**	**-.00013**	**.67299**	**-.00225**
Stddev	.00205	.00063	.004	.00058	.00138	.0517	.1106	.00062	.00145	.00057
%RSD	1.3062	50.945	.01031	93.577	416.90	1.6129	1.6129	475.80	.21545	25.108
#1	.15827	.00169	39.575	-.00103	-.00131	3.2398	6.9332	.00031	.67402	-.00265
#2	.15537	.00080	39.581	-.00021	.00065	3.1668	6.7769	-.00057	.67197	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00038**	**.02572**	**.00061**	**.02224**	**.00205**
Stddev	.00006	.00046	.01778	.00067	.00012	.00127
%RSD	23.036	119.09	69.144	110.02	.55430	61.978
#1	.00031	.00006	.03829	.00108	.02215	.00115
#2	.00022	.00070	.01314	.00013	.02232	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8246.0**	**106350.**	**9024.5**
Stddev	3.3	176.	5.1
%RSD	.04040	.16522	.05705
#1	8243.7	106470.	9020.8
#2	8248.4	106220.	9028.1

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:36:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**50.904**	**.00231**	**.00579**	**-.00012**	**.00006**	**1.0487**	**.03942**	**.00005**	**-.00084**	**-.00012**	**.00861**	**49.408**
Stddev	.00036	.062	.00145	.00012	.00029	.00005	.0017	.00266	.00026	.00009	.00002	.00006	.181
%RSD	9.1145	.12154	62.995	2.0022	254.55	85.724	.16192	6.7361	553.93	11.320	17.717	.74125	.36734
#1	.00368	50.948	.00334	.00587	-.00032	.00002	1.0499	.04129	.00023	-.00090	-.00014	.00866	49.279
#2	.00419	50.861	.00128	.00571	.00009	.00009	1.0475	.03754	-.00014	-.00077	-.00011	.00857	49.536
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11133**	**.00061**	**.08496**	**.00060**	**-.00039**	**263.40**	**-.00011**	**.00086**	**.00147**	**5.1849**	**.00092**	**-.00196**	**.01652**
Stddev	.01861	.00160	.00317	.00006	.00026	.62	.00036	.00060	.00028	.0072	.00027	.00240	.00798
%RSD	16.720	260.52	3.7355	10.247	68.239	.23471	338.06	70.532	19.141	.13830	29.186	122.71	48.307
#1	.09817	.00174	.08721	.00064	-.00020	262.96	.00015	.00128	.00167	5.1798	.00073	-.00366	.01088
#2	.12449	-.00052	.08272	.00055	-.00057	263.83	-.00036	.00043	.00127	5.1900	.00111	-.00026	.02216
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03535**	**-.00046**	**.00054**	**4.8703**	**-.00591**	**.00157**	**10.207**	**.00076**	**.00198**	**.02329**
Stddev	.01708	.00111	.00001	.0147	.00003	.00017	.027	.00052	.00075	.00229
%RSD	48.307	238.25	1.5940	.30180	.47384	10.677	.26388	68.414	38.053	9.8423
#1	.02328	-.00125	.00053	4.8599	-.00589	.00169	10.226	.00039	.00251	.02167
#2	.04743	.00032	.00055	4.8806	-.00593	.00145	10.188	.00113	.00145	.02491
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8279.2**	**104850.**	**8845.2**
Stddev	5.7	680.	4.9
%RSD	.06894	.64847	.05556
#1	8275.2	105330.	8848.6
#2	8283.2	104370.	8841.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 0:38:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51227**	**.52291**	**1.0342**	**.52457**	**.51673**	**.51049**	**.00432**	**5.1472**	**.52000**	**.51875**	**.51456**	**.52580**	**2.4595**
Stddev	.00135	.00119	.0034	.00046	.00029	.00019	.00038	.0585	.00001	.00000	.00042	.00123	.0102
%RSD	.26286	.22712	.33258	.08807	.05709	.03761	8.8256	1.1367	.00180	.00011	.08117	.23360	.41511
#1	.51132	.52375	1.0318	.52490	.51653	.51063	.00459	5.1058	.52000	.51874	.51486	.52493	2.4523
#2	.51322	.52207	1.0367	.52425	.51694	.51036	.00405	5.1886	.51999	.51875	.51427	.52667	2.4668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.695**	**1.0314**	**20.048**	**.50952**	**.52335**	F **5.5773**	**.52069**	**1.0383**	**1.0560**	**.03712**	**1.0569**	**1.0393**	**4.9990**
Stddev	.059	.0025	.038	.00003	.00240	.0865	.00115	.0016	.0030	.00039	.0005	.0000	.0074
%RSD	.11118	.24226	.19023	.00537	.45905	1.5503	.22118	.15541	.28463	1.0417	.04632	.00343	.14769
#1	52.654	1.0296	20.075	.50950	.52166	5.5162	.52150	1.0372	1.0539	.03739	1.0572	1.0394	5.0042
#2	52.737	1.0332	20.021	.50954	.52505	5.6384	.51987	1.0395	1.0582	.03684	1.0565	1.0393	4.9938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.698**	**1.0394**	**.51402**	**-.00420**	**.51336**	**1.0585**	**.02178**	**.51738**	**.50831**	**.51501**
Stddev	.016	.0028	.00098	.00033	.00000	.0036	.02467	.00149	.00024	.00174
%RSD	.14769	.26641	.18989	7.8353	.00075	.33576	113.23	.28893	.04666	.33792
#1	10.709	1.0414	.51333	-.00397	.51336	1.0560	.03923	.51632	.50814	.51624
#2	10.687	1.0374	.51471	-.00444	.51337	1.0610	.00434	.51843	.50847	.51378
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8481.3**	**108310.**	**9021.0**
Stddev	22.6	273.	89.4
%RSD	.26616	.25174	.99133
#1	8465.4	108120.	9084.2
#2	8497.3	108500.	8957.7

Sample Name: CCB Acquired: 11/9/2013 0:40:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00235**	**-.00128**	**.00177**	**-.00009**	**.00009**	**.00391**	**.00892**	**.00021**	**-.00010**	**.00003**	**-.00004**	**.00530**
Stddev	.00031	.00011	.00292	.00053	.00014	.00001	.00077	.00151	.00018	.00006	.00002	.00043	.00190
%RSD	109.01	4.6118	227.77	30.139	156.30	10.749	19.834	16.896	83.575	58.709	58.512	1090.2	35.777
#1	-.00050	.00243	.00078	.00139	-.00019	.00010	.00445	.00785	.00009	-.00006	.00002	-.00035	.00664
#2	-.00006	.00227	-.00335	.00215	.00001	.00008	.00336	.00998	.00034	-.00015	.00004	.00027	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07797**	**.00192**	**.00300**	**.00010**	**.00038**	**.08175**	**.00012**	**-.00063**	**.00061**	**.03156**	F **.00741**	**.00293**	**.00400**
Stddev	.05192	.00084	.00040	.00001	.00009	.00043	.00004	.00033	.00144	.00426	.00249	.00051	.01144
%RSD	66.595	43.883	13.411	6.8576	24.103	.52179	37.148	52.053	234.77	13.488	33.663	17.545	286.35
#1	.11469	.00252	.00329	.00010	.00045	.08206	.00009	-.00040	.00163	.03457	.00565	.00329	-.00410
#2	.04125	.00133	.00272	.00009	.00032	.08145	.00015	-.00086	-.00040	.02855	.00918	.00257	.01209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00855**	**.00035**	**.00007**	**.00008**	**.00034**	**.00039**	**.01825**	**-.00011**	**.00430**	**.00001**
Stddev	.02449	.00029	.00002	.00196	.00003	.00073	.01193	.00035	.00028	.00067
%RSD	286.35	84.464	28.278	2457.9	8.2945	189.55	65.401	317.91	6.5905	4751.9
#1	-.00877	.00055	.00006	.00147	.00032	-.00013	.02669	.00014	.00410	.00049
#2	.02587	.00014	.00009	-.00131	.00036	.00091	.00981	-.00036	.00450	-.00046
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8560.4**	**110560.**	**8868.1**
Stddev	17.1	345.	13.2
%RSD	.19924	.31194	.14898
#1	8548.4	110310.	8858.8
#2	8572.5	110800.	8877.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 0:43:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01047**	**.10821**	**.01503**	**.10180**	**.01016**	**.00113**	**.12811**	**.21981**	**.00568**	**.01072**	**.01074**	**.01656**	**.10429**	**3.1561**
Stddev	.00022	.00034	.00219	.00052	.00021	.00004	.00069	.00166	.00001	.00009	.00009	.00050	.00112	.0099
%RSD	2.1061	.31413	14.538	.51556	2.0792	3.1115	.53782	.75363	.19638	.81571	.79539	3.0247	1.0715	.31438
#1	.01063	.10797	.01349	.10143	.01001	.00111	.12859	.22098	.00568	.01078	.01080	.01691	.10350	3.1491
#2	.01032	.10845	.01658	.10217	.01031	.00116	.12762	.21864	.00567	.01066	.01068	.01621	.10508	3.1631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**.20930**	**.01041**	**.02084**	**1.1379**	**.04250**	**2.9771**	**.01052**	**.02792**	**.01237**	**.01769**	**.50421**	**1.0790**	**.10463**
Stddev	.00295	.00320	.00005	.00000	.0277	.00015	.0016	.00022	.00282	.00001	.00151	.01858	.0398	.00002
%RSD	23.190	1.5309	.45997	.01575	2.4316	.35838	.05267	2.0488	10.088	.05795	8.5521	3.6849	3.6849	.01454
#1	.01063	.21157	.01045	.02084	1.1574	.04239	2.9782	.01068	.02991	.01237	.01876	.49107	1.0509	.10464
#2	.01480	.20704	.01038	.02084	1.1183	.04261	2.9760	.01037	.02593	.01236	.01662	.51735	1.1071	.10462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01051**	**.01539**	**.01014**	**.01586**	**.06264**	**.00969**	**.02482**	**.01769**
Stddev	.00002	.00203	.00001	.00047	.03853	.00025	.00019	.00021
%RSD	.22566	13.175	.12331	2.9742	61.513	2.5646	.78272	1.2013
#1	.01049	.01683	.01013	.01553	.03539	.00987	.02468	.01784
#2	.01053	.01396	.01015	.01620	.08988	.00952	.02496	.01754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8594.0**	**111080.**	**8984.1**
Stddev	27.4	315.	21.0
%RSD	.31918	.28318	.23386
#1	8574.6	110860.	8969.3
#2	8613.4	111310.	8999.0

Sample Name: mb 280-199566/1-a Acquired: 11/9/2013 0:45:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00355**	**.00263**	**.00157**	**-.00044**	**.00014**	**.00414**	**.01078**	**.00014**	**.00005**
Stddev	.00081	.00151	.00118	.00025	.00020	.00012	.00035	.00146	.00006	.00001
%RSD	4559.1	42.544	44.765	15.738	45.764	81.815	8.4381	13.575	42.375	27.428
#1	.00056	.00248	.00346	.00174	-.00059	.00022	.00389	.01182	.00010	.00006
#2	-.00059	.00462	.00180	.00140	-.00030	.00006	.00439	.00975	.00018	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00069**	**.00173**	**.02573**	**.00119**	**.00139**	**.00013**	**.00008**	**.05788**	**-.00004**
Stddev	.00004	.00015	.00037	.02133	.00072	.00003	.00003	.00013	.00927	.00031
%RSD	18.579	21.278	21.338	82.880	60.527	2.4546	24.698	153.65	16.023	680.39
#1	.00025	.00059	.00147	.04082	.00170	.00137	.00016	-.00001	.06444	-.00026
#2	.00019	.00080	.00200	.01065	.00068	.00142	.00011	.00018	.05132	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00037**	**.02872**	**.00027**	**.00041**	**.00423**	**.00905**	**-.00069**	**.00011**	**-.00060**
Stddev	.00146	.00134	.00054	.00146	.00062	.00386	.00827	.00054	.00003	.00063
%RSD	1150.6	366.88	1.8747	536.81	151.42	91.303	91.303	78.272	24.162	104.14
#1	.00116	-.00058	.02834	.00131	-.00003	.00696	.01490	-.00108	.00009	-.00105
#2	-.00090	.00132	.02910	-.00076	.00085	.00150	.00321	-.00031	.00013	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00035**	F **.08106**	**-.00031**	**.00311**	**.00197**
Stddev	.00001	.00044	.00378	.00052	.00001	.00165
%RSD	2.7821	127.49	4.6590	166.36	.16561	83.925
#1	.00022	.00066	.08373	.00005	.00311	.00313
#2	.00023	.00003	.07839	-.00067	.00311	.00080
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.06000			
Low Limit			-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8742.1**	**112890.**	**9165.9**
Stddev	10.7	374.	140.6
%RSD	.12223	.33088	1.5343
#1	8749.7	112630.	9265.3
#2	8734.6	113150.	9066.5

Sample Name: lcs 280-199566/2-a Acquired: 11/9/2013 0:47:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05009**	**1.9227**	**1.0298**	**1.0632**	**2.0453**	**.05018**	**2.3672**	**49.147**	**.10729**	**.49732**
Stddev	.00083	.0025	.0012	.0009	.0098	.00012	.0088	.119	.00024	.00001
%RSD	1.6490	.12958	.11938	.08484	.47730	.23598	.37012	.24233	.22106	.00259
#1	.05067	1.9209	1.0306	1.0626	2.0522	.05027	2.3734	49.232	.10745	.49733
#2	.04950	1.9244	1.0289	1.0638	2.0384	.05010	2.3610	49.063	.10712	.49731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20282**	**.26203**	**.95431**	**52.235**	**1.0153**	**49.401**	**.49673**	**1.0326**	**54.540**	**.50084**
Stddev	.00021	.00065	.00911	.215	.0068	.031	.00092	.0004	.040	.00082
%RSD	.10270	.24952	.95478	.41151	.66975	.06204	.18491	.03600	.07389	.16468
#1	.20297	.26157	.96075	52.387	1.0201	49.423	.49737	1.0329	54.568	.50142
#2	.20267	.26249	.94787	52.083	1.0105	49.380	.49608	1.0323	54.511	.50026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.494**	**.50014**	**.01299**	**.52468**	**2.1119**	**10.002**	**21.405**	**2.0437**	**1.0144**	**1.0112**
Stddev	.026	.00004	.00322	.00229	.0025	.047	.100	.0057	.0039	.0063
%RSD	.24418	.00798	24.810	.43599	.11856	.46905	.46905	.27849	.38393	.61825
#1	10.512	.50017	.01071	.52630	2.1137	9.9692	21.334	2.0396	1.0172	1.0156
#2	10.476	.50012	.01527	.52306	2.1102	10.036	21.476	2.0477	1.0117	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0219**	**1.9880**	**2.1508**	**.51280**	**.49260**	**.51764**
Stddev	.0012	.0012	.0112	.00063	.00084	.00272
%RSD	.11759	.05916	.52190	.12303	.17091	.52506
#1	1.0228	1.9872	2.1587	.51324	.49320	.51572
#2	1.0211	1.9888	2.1428	.51235	.49201	.51956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8420.6**	**107350.**	**9141.3**
Stddev	6.7	52.	22.9
%RSD	.08010	.04846	.24998
#1	8425.3	107320.	9125.1
#2	8415.8	107390.	9157.5

Sample Name: 280-48791-d-1-b Acquired: 11/9/2013 0:49:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.08589**	**.00137**	**1.4372**	**.04397**	**.00011**	**.00608**	**16.849**	**.00025**	**.00339**
Stddev	.00009	.00073	.00012	.0006	.00013	.00008	.00012	.012	.00002	.00018
%RSD	22.886	.85322	8.4774	.04462	.30443	70.959	1.9059	.07203	8.0017	5.2036
#1	-.00046	.08641	.00145	1.4367	.04407	.00005	.00616	16.857	.00024	.00327
#2	-.00033	.08538	.00129	1.4377	.04388	.00016	.00600	16.840	.00027	.00352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00327**	**.03830**	**5.2833**	**.05810**	**10.103**	**.68949**	**.00860**	W **758.20**	**.01191**
Stddev	.00001	.00007	.00020	.1449	.00268	.055	.00347	.00005	.32	.00014
%RSD	2.9235	2.2425	.53462	2.7425	4.6058	.54588	.50335	.61531	.04268	1.2115
#1	.00039	.00332	.03816	5.1809	.06000	10.064	.68704	.00856	758.43	.01181
#2	.00041	.00322	.03845	5.3858	.05621	10.142	.69194	.00864	757.97	.01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12284**	**.00084**	F **245.57**	**-.00126**	**-.00062**	**4.3702**	**9.3521**	**-.00050**	**1.2276**	**-.00289**
Stddev	.00227	.00141	.31	.00007	.00417	.0093	.0198	.00086	.0037	.00051
%RSD	1.8498	167.27	.12685	5.8379	674.74	.21192	.21192	171.47	.29825	17.683
#1	.12445	-.00015	245.35	-.00131	-.00356	4.3767	9.3661	-.00111	1.2250	-.00253
#2	.12124	.00184	245.79	-.00121	.00233	4.3636	9.3381	.00011	1.2302	-.00325
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00242**	**.02594**	**.00023**	**.00691**	**.00174**
Stddev	.00014	.00065	.01461	.00026	.00013	.00036
%RSD	19.978	26.972	56.310	112.45	1.8256	20.791
#1	.00082	.00288	.03627	.00041	.00700	.00200
#2	.00062	.00196	.01561	.00005	.00682	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7891.7**	**98072.**	**8761.3**
Stddev	6.3	655.	13.6
%RSD	.08019	.66745	.15472
#1	7896.1	98534.	8751.7
#2	7887.2	97609.	8770.9

Sample Name: 280-48791-d-1-bSD@5 Acquired: 11/9/2013 0:52:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.02885**	**.00002**	**.29181**	**.00861**	**.00013**	**.00189**	**3.3931**	**.00032**	**.00077**
Stddev	.00050	.00013	.00019	.00092	.00010	.00001	.00160	.0253	.00008	.00030
%RSD	655.61	.46324	851.22	.31682	1.1846	11.364	84.631	.74444	24.149	39.790
#1	.00027	.02895	-.00011	.29116	.00869	.00012	.00302	3.4110	.00026	.00098
#2	-.00043	.02876	.00016	.29247	.00854	.00014	.00076	3.3753	.00037	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00150**	**.02605**	**1.1178**	**.01404**	**2.0314**	**.13501**	**.00200**	**150.55**	**.00249**
Stddev	.00010	.00019	.00058	.0154	.00101	.0040	.00051	.00013	.35	.00021
%RSD	51.302	12.881	2.2158	1.3795	7.2068	.19629	.37994	6.4363	.23140	8.3424
#1	.00012	.00137	.02564	1.1288	.01476	2.0342	.13537	.00191	150.30	.00234
#2	.00026	.00164	.02646	1.1069	.01333	2.0286	.13465	.00209	150.79	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02297**	**.00086**	**46.530**	**-.00101**	**.00243**	**.83970**	**1.7970**	**.00227**	**.24337**	**-.00159**
Stddev	.00064	.00088	.095	.00014	.00056	.01828	.0391	.00105	.00063	.00059
%RSD	2.8038	102.54	.20449	13.866	22.869	2.1771	2.1771	46.253	.25723	36.989
#1	.02252	.00148	46.463	-.00111	.00282	.85263	1.8246	.00301	.24293	-.00117
#2	.02343	.00024	46.597	-.00091	.00203	.82678	1.7693	.00153	.24381	-.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00086**	**.01958**	**-.00003**	**.00841**	**.00143**
Stddev	.00067	.00036	.02133	.00040	.00005	.00030
%RSD	1025.5	41.619	108.94	1275.0	.64367	21.186
#1	-.00041	.00112	.03466	-.00031	.00845	.00121
#2	.00054	.00061	.00450	.00025	.00838	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8226.7**	**104620.**	**8884.5**
Stddev	1.9	38.	18.2
%RSD	.02351	.03626	.20439
#1	8225.3	104590.	8897.3
#2	8228.0	104650.	8871.6

Sample Name: 280-48791-d-1-c ms Acquired: 11/9/2013 0:54:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05050**	**1.9384**	**1.0556**	**2.4082**	**2.0928**	**.05013**	F **2.2523**	**66.171**	**.10624**	**.49471**
Stddev	.00028	.0000	.0003	.0023	.0024	.00026	.0065	.184	.00015	.00036
%RSD	.56412	.00170	.02357	.09580	.11363	.50998	.29046	.27801	.13707	.07210
#1	.05030	1.9384	1.0554	2.4099	2.0911	.04995	2.2569	66.041	.10634	.49446
#2	.05071	1.9384	1.0558	2.4066	2.0945	.05031	2.2477	66.301	.10614	.49496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19961**	**.25828**	**1.0101**	**60.009**	**1.0899**	**58.607**	**1.1826**	**1.0310**	W **814.40**	**.50569**
Stddev	.00036	.00082	.0053	.148	.0004	.183	.0008	.0031	1.28	.00097
%RSD	.18155	.31560	.52506	.24615	.03503	.31174	.07126	.29991	.15769	.19226
#1	.19986	.25886	1.0064	59.904	1.0901	58.737	1.1832	1.0332	813.49	.50501
#2	.19935	.25771	1.0139	60.113	1.0896	58.478	1.1820	1.0288	815.31	.50638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.987**	**.47642**	F **244.37**	**.51001**	**2.0796**	**14.494**	**31.017**	**1.9789**	**2.2562**	**1.0201**
Stddev	.020	.00038	.04	.00116	.0004	.011	.024	.0018	.0044	.0001
%RSD	.18203	.08047	.01443	.22723	.01674	.07598	.07598	.08896	.19665	.00613
#1	11.001	.47615	244.35	.51083	2.0798	14.486	31.001	1.9776	2.2531	1.0201
#2	10.973	.47669	244.40	.50919	2.0793	14.502	31.034	1.9801	2.2593	1.0202
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0288**	**1.7638**	**2.0730**	**.52394**	**.51828**	**.52467**
Stddev	.0011	.0039	.0162	.00065	.00143	.00171
%RSD	.10850	.22347	.78057	.12376	.27550	.32577
#1	1.0280	1.7666	2.0844	.52439	.51929	.52588
#2	1.0296	1.7610	2.0616	.52348	.51727	.52346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.0**	**98239.**	**8808.8**
Stddev	18.7	364.	45.0
%RSD	.23733	.37085	.51079
#1	7864.7	97981.	8840.6
#2	7891.2	98496.	8777.0

Sample Name: 280-48791-d-1-d msd Acquired: 11/9/2013 0:56:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04980**	**1.8952**	**1.0354**	**2.3629**	**2.0454**	**.04907**	F **2.2110**	**64.365**	**.10445**	**.48474**
Stddev	.00049	.0016	.0076	.0031	.0027	.00012	.0074	.008	.00030	.00051
%RSD	.97884	.08587	.73058	.13240	.13359	.23585	.33599	.01298	.28388	.10471
#1	.05015	1.8940	1.0407	2.3651	2.0434	.04899	2.2163	64.371	.10466	.48438
#2	.04946	1.8964	1.0300	2.3607	2.0473	.04916	2.2058	64.359	.10424	.48510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19618**	**.25474**	**.95788**	**58.743**	**1.0630**	**57.292**	**1.1573**	**1.0144**	W **792.02**	**.49510**
Stddev	.00032	.00122	.00141	.150	.0015	.257	.0047	.0015	.56	.00133
%RSD	.16363	.47903	.14765	.25512	.13961	.44929	.40824	.14739	.07108	.26791
#1	.19641	.25561	.95888	58.637	1.0619	57.474	1.1606	1.0134	791.62	.49604
#2	.19595	.25388	.95688	58.849	1.0640	57.110	1.1539	1.0155	792.42	.49416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.765**	**.46795**	F **238.56**	**.50052**	**2.0458**	**14.118**	**30.212**	**1.9509**	**2.1968**	**1.0012**
Stddev	.025	.00108	.62	.00241	.0004	.030	.064	.0010	.0013	.0049
%RSD	.23619	.23169	.26027	.48216	.02148	.21094	.21094	.04930	.06036	.48497
#1	10.782	.46719	239.00	.50222	2.0455	14.097	30.167	1.9502	2.1959	1.0047
#2	10.747	.46872	238.12	.49881	2.0461	14.139	30.257	1.9515	2.1977	.99781
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0144**	**1.7314**	**2.0231**	**.51356**	**.50609**	**.51296**
Stddev	.0042	.0010	.0101	.00176	.00247	.00379
%RSD	.41782	.05562	.49663	.34328	.48848	.73862
#1	1.0174	1.7321	2.0160	.51481	.50784	.51028
#2	1.0114	1.7308	2.0302	.51232	.50435	.51564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7889.0**	**99074.**	**8917.6**
Stddev	34.5	345.	10.1
%RSD	.43688	.34789	.11320
#1	7913.4	98831.	8924.7
#2	7864.6	99318.	8910.4

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:59:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**50.669**	**.00297**	**.01269**	**.00019**	**.00005**	**1.0474**	**.01571**	**.00007**	**-.00050**	**-.00005**	**.00913**
Stddev	.00041	.363	.00380	.00182	.00000	.00008	.0001	.00281	.00011	.00058	.00002	.00061
%RSD	9.9010	.71666	127.77	14.376	1.0251	157.91	.01364	17.893	160.28	114.65	30.728	6.6546
#1	.00383	50.413	.00566	.01398	.00019	.00011	1.0475	.01770	.00015	-.00009	-.00004	.00956
#2	.00440	50.926	.00029	.01140	.00019	-.00001	1.0473	.01372	-.00001	-.00091	-.00006	.00870
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.684**	**.33166**	**.00054**	**.08490**	**.00056**	**.00103**	**262.29**	**-.00025**	**.00717**	**.00169**	W **5.3371**	**.00143**
Stddev	.443	.06133	.00308	.00586	.00007	.00070	.99	.00005	.00739	.00016	.1692	.00197
%RSD	.89194	18.492	571.30	6.8976	13.051	68.168	.37669	21.811	102.94	9.4718	3.1706	137.60
#1	49.371	.37503	.00271	.08076	.00062	.00152	261.59	-.00021	.01240	.00158	5.4568	.00004
#2	49.998	.28829	-.00164	.08904	.00051	.00053	262.99	-.00028	.00195	.00181	5.2175	.00282
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**.02388**	**.05111**	**.00165**	**.00097**	**4.8398**	**-.00527**	**.00304**	**10.139**	**.00087**	**.00222**	**.02333**
Stddev	.00205	.00697	.01491	.00075	.00015	.0046	.00025	.00130	.006	.00036	.00010	.00154
%RSD	144.88	29.171	29.171	45.083	15.180	.09403	4.7828	42.747	.06018	41.462	4.5754	6.6100
#1	-.00286	.02881	.06165	.00218	.00107	4.8366	-.00510	.00395	10.143	.00061	.00229	.02224
#2	.00003	.01896	.04057	.00113	.00086	4.8431	-.00545	.00212	10.134	.00112	.00215	.02443
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8246.8**	**103950.**	**8825.4**
Stddev	19.0	15.	131.4
%RSD	.23039	.01489	1.4886
#1	8260.2	103940.	8918.3
#2	8233.4	103970.	8732.5

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:01:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50755**	**.51845**	**1.0343**	**.52795**	**.51515**	**.50839**	**.00365**	**5.1142**	**.51926**	**.51663**	**.51399**	**.51954**	**2.4470**
Stddev	.00458	.00019	.0046	.00117	.00116	.00271	.00067	.0276	.00127	.00061	.00015	.00461	.0021
%RSD	.90290	.03753	.44922	.22124	.22598	.53211	18.282	.53860	.24484	.11721	.02854	.88823	.08573
#1	.50431	.51859	1.0310	.52712	.51597	.51030	.00318	5.1337	.51837	.51620	.51409	.51628	2.4485
#2	.51079	.51831	1.0375	.52877	.51432	.50648	.00412	5.0947	.52016	.51706	.51388	.52280	2.4455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.707**	**1.0276**	**19.958**	**.50647**	**.52404**	F **5.6805**	**.51905**	**1.0388**	**1.0539**	**.05778**	**1.0598**	**1.0430**	**5.0395**
Stddev	.202	.0002	.237	.00447	.00273	.0275	.00017	.0089	.0091	.00046	.0013	.0015	.0059
%RSD	.38332	.02109	1.1850	.88177	.52040	.48481	.03346	.85619	.85965	.80079	.11965	.14133	.11796
#1	52.850	1.0275	19.791	.50331	.52212	5.7000	.51918	1.0325	1.0475	.05745	1.0607	1.0440	5.0353
#2	52.564	1.0278	20.126	.50963	.52597	5.6611	.51893	1.0451	1.0603	.05810	1.0589	1.0419	5.0437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.784**	**1.0423**	**.51241**	**-.00421**	**.50995**	**1.0555**	**.02198**	**.51378**	**.50618**	**.51206**
Stddev	.013	.0022	.00222	.00186	.00419	.0000	.02657	.00349	.00513	.00195
%RSD	.11796	.21503	.43404	44.095	.82180	.00163	120.90	.67973	1.0139	.38031
#1	10.776	1.0439	.51399	-.00552	.50698	1.0555	.04076	.51131	.50255	.51344
#2	10.793	1.0407	.51084	-.00290	.51291	1.0555	.00319	.51625	.50981	.51068
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8447.6**	**107330.**	**8907.7**
Stddev	39.6	198.	44.3
%RSD	.46864	.18456	.49757
#1	8419.7	107470.	8939.0
#2	8475.6	107190.	8876.3

Sample Name: CCB Acquired: 11/9/2013 1:03:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00173**	**.00184**	**.00399**	**.00007**	**.00029**	**.00212**	**.00136**	**.00003**	**-.00001**	**.00022**	**.00028**
Stddev	.00007	.00032	.00109	.00027	.00006	.00000	.00058	.00386	.00006	.00018	.00010	.00027
%RSD	13.063	18.293	58.980	6.6594	81.852	1.3219	27.154	283.29	225.46	1298.2	43.202	99.130
#1	.00048	.00196	.00261	.00380	.00011	.00029	.00253	.00410	.00007	.00012	.00029	.00008
#2	.00058	.00151	.00107	.00418	.00003	.00029	.00172	-.00137	-.00002	-.00014	.00015	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00501**	**.15762**	**.00233**	**.00321**	**.00008**	**.00057**	F **.21803**	**-.00035**	**.00051**	**.00135**	**.03895**	W **.00565**
Stddev	.00142	.01743	.00078	.00174	.00000	.00028	.02906	.00041	.00007	.00026	.00383	.00083
%RSD	28.267	11.056	33.626	54.249	.11906	49.925	13.327	116.93	14.282	19.170	9.8265	14.657
#1	.00602	.16994	.00288	.00444	.00008	.00077	.23858	-.00006	.00046	.00116	.04166	.00506
#2	.00401	.14529	.00178	.00198	.00008	.00037	.19749	-.00064	.00056	.00153	.03625	.00623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.01275**	**.02728**	**-.00054**	**.00011**	**-.00126**	**.00010**	**.00107**	**.02880**	**-.00045**	**.00400**	**.00104**
Stddev	.00123	.01347	.02883	.00054	.00008	.00016	.00001	.00075	.00464	.00010	.00038	.00011
%RSD	48.088	105.69	105.69	98.904	70.346	12.420	13.271	69.718	16.098	21.126	9.3793	10.432
#1	.00344	.00322	.00689	-.00092	.00017	-.00115	.00011	.00054	.03208	-.00052	.00373	.00111
#2	.00169	.02228	.04767	-.00016	.00006	-.00138	.00009	.00160	.02552	-.00038	.00426	.00096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8564.5**	**110730.**	**8895.2**
Stddev	5.5	102.	83.6
%RSD	.06373	.09170	.93999
#1	8560.7	110660.	8836.1
#2	8568.4	110800.	8954.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:05:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.11080**	**.01578**	**.10420**	**.01040**	**.00113**	F **.13064**	**.23074**	**.00565**	**.01081**	**.01076**	**.01615**	**.11339**
Stddev	.00019	.00032	.00089	.00006	.00020	.00006	.00074	.00012	.00008	.00018	.00007	.00018	.00122
%RSD	1.8629	.29011	5.6097	.05404	1.9266	5.1598	.56940	.05289	1.3800	1.6275	.64704	1.1111	1.0717
#1	.01017	.11058	.01516	.10424	.01026	.00109	.13117	.23083	.00571	.01069	.01071	.01628	.11253
#2	.01044	.11103	.01641	.10416	.01054	.00117	.13012	.23065	.00560	.01094	.01081	.01603	.11425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2814**	**.01236**	**.21010**	**.01056**	**.02082**	**1.2685**	**.04312**	**3.0127**	**.01036**	**.04220**	**.01036**	**.01790**	**.49909**
Stddev	.0171	.00021	.00184	.00009	.00013	.0030	.00058	.0029	.00057	.00010	.00046	.00030	.01848
%RSD	.52180	1.6744	.87811	.87258	.63587	.23907	1.3368	.09656	5.4522	.24489	4.3993	1.6540	3.7029
#1	3.2693	.01251	.20880	.01062	.02073	1.2663	.04271	3.0148	.01076	.04228	.01004	.01769	.48603
#2	3.2935	.01222	.21141	.01049	.02092	1.2706	.04352	3.0107	.00996	.04213	.01068	.01811	.51216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0681**	**.10636**	**.01059**	**.01620**	**.01049**	**.01620**	**.06535**	**.00960**	F **.02809**	**.01643**
Stddev	.0396	.00083	.00016	.00070	.00008	.00038	.02883	.00035	.00025	.00174
%RSD	3.7029	.77630	1.5032	4.3025	.76976	2.3717	44.119	3.6012	.89924	10.612
#1	1.0401	.10578	.01048	.01570	.01055	.01593	.08573	.00935	.02826	.01520
#2	1.0960	.10695	.01071	.01669	.01043	.01648	.04496	.00984	.02791	.01766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8599.8**	**111300.**	**9007.4**
Stddev	7.2	15.	9.9
%RSD	.08384	.01340	.10986
#1	8604.9	111310.	9014.4
#2	8594.7	111290.	9000.4

Sample Name: 280-48791-d-2-b Acquired: 11/9/2013 1:08:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00485**	**.00373**	**1.2295**	**.06939**	**.00011**	**.00055**	**139.07**	**.00110**	**.00862**
Stddev	.00004	.00020	.00281	.0032	.00063	.00007	.00231	.24	.00005	.00012
%RSD	27.450	4.0688	75.377	.25830	.90996	63.212	416.38	.17552	4.4832	1.3732
#1	-.00019	.00499	.00571	1.2272	.06983	.00016	-.00108	138.90	.00114	.00853
#2	-.00013	.00471	.00174	1.2317	.06894	.00006	.00219	139.24	.00107	.00870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00209**	**6.2863**	**8.0394**	**.03717**	**94.831**	**1.1036**	**.00262**	**250.16**	**.02088**
Stddev	.00009	.00002	.0267	.0104	.00194	.432	.0038	.00013	.38	.00020
%RSD	5.6351	1.0930	.42390	.12882	5.2198	.45587	.34146	5.0780	.15007	.94126
#1	.00147	.00208	6.2675	8.0320	.03580	94.525	1.1009	.00253	250.43	.02102
#2	.00160	.00211	6.3051	8.0467	.03855	95.136	1.1062	.00272	249.90	.02074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12064**	**.00008**	**92.419**	**.00061**	**.00023**	**10.214**	**21.857**	**-.00096**	W **5.7205**	**-.00142**
Stddev	.00234	.00045	.045	.00059	.00295	.019	.040	.00010	.0216	.00096
%RSD	1.9369	545.23	.04818	96.662	1301.7	.18259	.18259	10.610	.37781	67.901
#1	.11898	-.00023	92.451	.00103	-.00186	10.227	21.886	-.00089	5.7358	-.00074
#2	.12229	.00040	92.388	.00019	.00232	10.201	21.829	-.00104	5.7052	-.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00173**	**-.01129**	**.00038**	**.00447**	**.00378**
Stddev	.00013	.00082	.02115	.00105	.00016	.00002
%RSD	41.634	47.084	187.24	272.18	3.5710	.54676
#1	.00022	.00231	-.02625	.00112	.00436	.00379
#2	.00041	.00116	.00366	-.00036	.00458	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8014.3**	**102560.**	**9002.6**
Stddev	4.8	410.	16.0
%RSD	.05979	.40005	.17776
#1	8017.7	102850.	8991.3
#2	8010.9	102270.	9013.9

Sample Name: 280-48791-d-3-b Acquired: 11/9/2013 1:10:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00716**	**-.00229**	**.21033**	**.14162**	**.00010**	**.00393**	**150.64**	**.00091**	**-.00008**
Stddev	.00035	.00027	.00208	.00028	.00044	.00002	.00171	.25	.00005	.00001
%RSD	66.003	3.8394	90.766	.13182	.30888	20.420	43.517	.16442	5.5303	17.401
#1	-.00028	.00735	-.00082	.21052	.14193	.00011	.00272	150.82	.00095	-.00009
#2	-.00077	.00696	-.00376	.21013	.14131	.00009	.00513	150.47	.00087	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00175**	**.13096**	**4.4578**	**.04448**	**50.013**	**.00809**	**.00350**	**109.10**	**.00403**
Stddev	.00010	.00020	.00433	.0187	.00259	.031	.00005	.00004	.57	.00019
%RSD	27.235	11.261	3.3038	.42003	5.8229	.06162	.59361	1.2099	.52036	4.6794
#1	.00029	.00189	.12790	4.4710	.04631	50.035	.00812	.00347	109.51	.00416
#2	.00042	.00161	.13402	4.4446	.04265	49.991	.00805	.00353	108.70	.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01919**	**.00106**	**24.725**	**-.00107**	**.00038**	**10.711**	**22.921**	**-.00072**	**1.8403**	**-.00237**
Stddev	.00028	.00002	.056	.00107	.00576	.022	.047	.00005	.0076	.00088
%RSD	1.4356	1.7869	.22675	99.904	1523.0	.20461	.20461	7.1475	.41152	37.157
#1	.01939	.00107	24.685	-.00031	-.00369	10.695	22.888	-.00076	1.8457	-.00299
#2	.01900	.00105	24.764	-.00182	.00445	10.726	22.954	-.00069	1.8350	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00168**	**-.00575**	**-.00037**	**.00419**	**-.00009**
Stddev	.00041	.00160	.01886	.00011	.00054	.00212
%RSD	122.61	95.553	327.93	30.889	12.960	2475.5
#1	.00062	.00281	.00759	-.00029	.00381	.00141
#2	.00004	.00054	-.01909	-.00045	.00458	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8227.4**	**104880.**	**9127.2**
Stddev	13.5	62.	18.7
%RSD	.16378	.05898	.20504
#1	8237.0	104840.	9140.4
#2	8217.9	104920.	9114.0

Sample Name: 280-48791-d-4-b Acquired: 11/9/2013 1:13:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.30389**	**.00423**	**2.7636**	**.22649**	**.00011**	**-.00006**	**8.9809**	**.00025**	**.00380**
Stddev	.00020	.00191	.00041	.0072	.00104	.00006	.00144	.0283	.00018	.00015
%RSD	303.74	.62945	9.7597	.26133	.45827	55.368	2465.0	.31516	70.668	4.0476
#1	-.00021	.30524	.00453	2.7585	.22576	.00016	-.00108	8.9609	.00037	.00391
#2	.00008	.30254	.00394	2.7687	.22722	.00007	.00096	9.0009	.00012	.00369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00326**	**.55358**	**5.4785**	**.03491**	**3.7024**	**.12516**	**.02600**	W **911.97**	**.01670**
Stddev	.00002	.00016	.00660	.1240	.00068	.0112	.00024	.00007	5.13	.00003
%RSD	1.9578	4.9357	1.1925	2.2637	1.9586	.30185	.18897	.25373	.56253	.18703
#1	.00125	.00338	.54891	5.3908	.03443	3.6945	.12499	.02604	908.34	.01672
#2	.00129	.00315	.55824	5.5661	.03540	3.7103	.12532	.02595	915.59	.01668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51181**	**.00053**	**35.295**	**-.00126**	**.00243**	**7.7865**	**16.663**	**-.00080**	**.65321**	**-.00402**
Stddev	.00127	.00102	.017	.00185	.00440	.0621	.133	.00040	.00303	.00090
%RSD	.24883	193.62	.04709	147.10	181.12	.79731	.79731	49.959	.46379	22.299
#1	.51091	-.00019	35.283	-.00257	-.00068	7.7426	16.569	-.00052	.65107	-.00466
#2	.51271	.00124	35.307	.00005	.00554	7.8304	16.757	-.00108	.65535	-.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00693**	**.00172**	**.05057**	**.00114**	**.01024**	**.00323**
Stddev	.00016	.00023	.03100	.00050	.00008	.00290
%RSD	2.2905	13.334	61.296	43.942	.76611	89.757
#1	.00682	.00156	.07249	.00150	.01030	.00118
#2	.00704	.00189	.02865	.00079	.01019	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7912.6**	**98986.**	**9029.5**
Stddev	6.8	13.	36.0
%RSD	.08534	.01294	.39851
#1	7917.4	98977.	9004.0
#2	7907.8	98995.	9054.9

Sample Name: 280-48791-d-5-b Acquired: 11/9/2013 1:15:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.01429**	**.00172**	**1.4814**	**.16445**	**.00022**	**.00332**	**212.78**	**.00222**	**.00729**
Stddev	.00043	.00044	.00409	.0001	.00025	.00004	.00098	1.57	.00018	.00022
%RSD	87.617	3.0756	238.51	.00735	.15383	20.261	29.404	.73911	7.9715	3.0667
#1	-.00080	.01460	-.00118	1.4815	.16463	.00025	.00263	211.67	.00234	.00713
#2	-.00019	.01398	.00461	1.4813	.16428	.00019	.00401	213.89	.00209	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00532**	**.80011**	**9.6237**	**.02731**	**41.824**	**1.9332**	**.04516**	**71.407**	**.04904**
Stddev	.00021	.00030	.00540	.0114	.00041	.023	.0006	.00026	.054	.00028
%RSD	53.321	5.6847	.67525	.11865	1.4968	.05613	.03186	.57622	.07538	.56764
#1	.00025	.00511	.79629	9.6318	.02760	41.841	1.9336	.04498	71.445	.04884
#2	.00054	.00554	.80393	9.6156	.02702	41.808	1.9327	.04534	71.369	.04924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10162**	**.00228**	**90.968**	**-.00017**	**-.00159**	**7.7367**	**16.557**	**-.00012**	**1.7503**	**-.00095**
Stddev	.00002	.00162	.053	.00345	.00214	.0170	.036	.00068	.0012	.00100
%RSD	.01914	71.074	.05790	1999.0	134.32	.21979	.21979	592.62	.07080	104.84
#1	.10164	.00343	90.930	-.00261	-.00311	7.7247	16.531	.00037	1.7512	-.00025
#2	.10161	.00114	91.005	.00226	-.00008	7.7487	16.582	-.00060	1.7494	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00170**	**.00409**	**.00038**	**.02285**	**.00105**
Stddev	.00013	.00195	.02662	.00055	.00004	.00122
%RSD	40.004	114.91	650.74	146.30	.15975	115.89
#1	.00041	.00032	.02291	.00077	.02282	.00019
#2	.00023	.00308	-.01473	-.00001	.02287	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8062.4**	**103530.**	**9045.9**
Stddev	6.1	110.	1.8
%RSD	.07542	.10582	.01975
#1	8066.7	103450.	9047.1
#2	8058.1	103610.	9044.6

Sample Name: 280-48784-g-1-b Acquired: 11/9/2013 1:17:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.38877**	**.02233**	**4.9165**	**2.0709**	**.00006**	**-.00861**	**227.44**	**.00163**	**.00743**
Stddev	.00074	.00036	.00059	.0015	.0041	.00000	.00155	2.00	.00025	.00005
%RSD	171.91	.09205	2.6527	.02986	.19882	4.0733	17.936	.87733	15.632	.70803
#1	.00009	.38903	.02191	4.9176	2.0680	.00006	-.00971	226.02	.00145	.00747
#2	-.00096	.38852	.02275	4.9155	2.0738	.00007	-.00752	228.85	.00181	.00740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01307**	**.00925**	**20.287**	W **210.43**	**.13526**	**269.97**	**.47167**	**.00340**	W **964.25**	**.11223**
Stddev	.00009	.00038	.018	.61	.00141	.59	.00154	.00005	2.47	.00006
%RSD	.72119	4.1547	.08672	.28815	1.0391	.22028	.32639	1.4859	.25631	.05340
#1	.01314	.00952	20.300	210.01	.13427	270.39	.47059	.00344	962.50	.11218
#2	.01300	.00898	20.275	210.86	.13626	269.55	.47276	.00337	966.00	.11227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9425**	**.00141**	**13.674**	**.00397**	**.00127**	**11.782**	**25.213**	**.00259**	W **5.8788**	**-.00358**
Stddev	.0027	.00198	.151	.00131	.00310	.031	.066	.00086	.0064	.00010
%RSD	.09203	140.01	1.1019	33.006	244.24	.26068	.26068	33.365	.10950	2.8824
#1	2.9444	.00281	13.781	.00489	-.00092	11.760	25.166	.00320	5.8742	-.00351
#2	2.9406	.00001	13.568	.00304	.00346	11.803	25.259	.00198	5.8833	-.00365
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02219**	**.00149**	**.04130**	**.02534**	**.19426**	**.02910**
Stddev	.00009	.00019	.04174	.00048	.00214	.00020
%RSD	.38773	12.696	101.08	1.9041	1.0994	.68260
#1	.02225	.00162	.01178	.02500	.19577	.02924
#2	.02213	.00136	.07082	.02568	.19275	.02896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7494.0**	**94715.**	**8942.6**
Stddev	14.6	24.	3.5
%RSD	.19533	.02543	.03917
#1	7504.3	94698.	8945.1
#2	7483.6	94732.	8940.1

Sample Name: 280-48798-j-1-a Acquired: 11/9/2013 1:20:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.08254**	**.00211**	**2.2474**	**.03172**	**.00015**	F **.20885**	**58.519**	**-.00013**	**.00370**
Stddev	.00017	.00054	.00065	.0021	.00025	.00008	.00129	.142	.00005	.00015
%RSD	16.309	.65407	30.612	.09534	.80044	54.925	.61857	.24198	41.651	3.9840
#1	-.00092	.08292	.00165	2.2459	.03154	.00021	.20977	58.419	-.00017	.00380
#2	-.00115	.08216	.00256	2.2490	.03190	.00009	.20794	58.619	-.00009	.00359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32429**	**.13857**	**72.581**	F **694.04**	**.01214**	**4.7240**	**.34318**	**.01364**	W **1197.4**	**.13987**
Stddev	.00095	.00061	.908	.73	.00011	.0263	.00068	.00010	2.6	.00074
%RSD	.29422	.44206	1.2513	.10537	.93807	.55707	.19892	.71465	.21358	.52961
#1	.32497	.13813	71.939	693.53	.01222	4.7053	.34270	.01358	1195.6	.14040
#2	.32362	.13900	73.223	694.56	.01206	4.7426	.34366	.01371	1199.2	.13935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.282**	**.00370**	W **189.38**	**.00065**	**.00094**	**5.7205**	**12.242**	W **17.982**	**.17769**	**-.00024**
Stddev	.007	.00056	.12	.00068	.00200	.0156	.033	.008	.00028	.00063
%RSD	.05763	15.144	.06081	104.32	212.50	.27247	.27247	.04369	.15590	268.68
#1	12.277	.00409	189.47	.00017	-.00047	5.7095	12.218	17.977	.17750	-.00068
#2	12.287	.00330	189.30	.00113	.00235	5.7315	12.266	17.988	.17789	.00021
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02231**	**.00053**	**.00111**	**.00290**	**.15153**	**.00111**
Stddev	.00058	.00065	.03627	.00059	.00096	.00057
%RSD	2.6199	122.34	3264.1	20.223	.63280	50.957
#1	.02272	.00007	.02676	.00331	.15085	.00151
#2	.02190	.00099	-.02454	.00248	.15220	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7663.8**	**94653.**	**8733.1**
Stddev	11.8	178.	45.0
%RSD	.15349	.18792	.51571
#1	7655.5	94779.	8765.0
#2	7672.1	94527.	8701.3

Sample Name: CCVH-2357613 Acquired: 11/9/2013 1:23:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**50.083**	**.00352**	**.01504**	**.00010**	**.00008**	**1.0422**	**.02000**	**.00002**	**-.00065**	**-.00010**	**.00888**	**48.645**
Stddev	.00029	.049	.00215	.00039	.00026	.00011	.0014	.00203	.00014	.00001	.00005	.00057	.476
%RSD	7.7547	.09799	61.016	2.5967	266.95	138.13	.13773	10.160	911.21	1.2686	53.811	6.4039	.97907
#1	.00350	50.117	.00200	.01532	-.00009	.00000	1.0411	.02144	.00012	-.00065	-.00006	.00929	48.308
#2	.00391	50.048	.00505	.01476	.00028	.00016	1.0432	.01856	-.00008	-.00064	-.00013	.00848	48.982
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93836**	**.00237**	**.08449**	**.00046**	**-.00039**	**261.61**	**-.00001**	**.00495**	**.00135**	**5.1902**	**-.00181**	**-.00022**	**.01765**
Stddev	.10462	.00186	.00455	.00001	.00028	.30	.00025	.00006	.00001	.0019	.00255	.00162	.00832
%RSD	11.149	78.557	5.3832	2.4586	72.728	.11348	2232.6	1.2717	.84439	.03707	140.62	741.06	47.143
#1	1.0123	.00368	.08771	.00047	-.00059	261.82	.00016	.00499	.00135	5.1915	-.00001	-.00136	.01177
#2	.86438	.00105	.08128	.00046	-.00019	261.40	-.00019	.00490	.00136	5.1888	-.00361	.00093	.02354
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03778**	**.00158**	**.00057**	**4.8171**	**-.00573**	**.00087**	**10.064**	**.00017**	**.00253**	**.02454**
Stddev	.01781	.00019	.00002	.0006	.00044	.00111	.016	.00003	.00014	.00024
%RSD	47.143	11.984	3.5903	.01179	7.7298	128.68	.16214	17.707	5.5414	.99710
#1	.02518	.00171	.00055	4.8175	-.00604	.00165	10.075	.00019	.00263	.02471
#2	.05037	.00144	.00058	4.8167	-.00542	.00008	10.052	.00015	.00243	.02436
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8368.4**	**106350.**	**9024.5**
Stddev	8.6	218.	34.2
%RSD	.10290	.20495	.37876
#1	8374.5	106500.	9048.7
#2	8362.3	106200.	9000.3

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:25:43 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50335**	**.51124**	**1.0193**	**.52328**	**.51149**	**.50356**	**.00296**	**5.0498**	**.51346**	**.51025**	**.50666**	**.51596**	**2.4230**
Stddev	.00064	.00056	.0012	.00067	.00104	.00140	.00071	.0066	.00112	.00110	.00059	.00207	.0050
%RSD	.12787	.10876	.11629	.12831	.20358	.27891	24.131	.13102	.21743	.21651	.11578	.40039	.20725
#1	.50381	.51085	1.0201	.52281	.51075	.50455	.00346	5.0545	.51267	.50947	.50624	.51742	2.4194
#2	.50290	.51163	1.0184	.52376	.51222	.50257	.00245	5.0451	.51425	.51103	.50707	.51450	2.4265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.427**	**1.0197**	**19.660**	**.50063**	**.51827**	F **5.7461**	**.51222**	**1.0298**	**1.0441**	**.05164**	**1.0456**	**1.0277**	**4.9513**
Stddev	.152	.0010	.008	.00025	.00164	.0496	.00043	.0019	.0027	.00257	.0006	.0016	.0231
%RSD	.29039	.10112	.04246	.05079	.31601	.86340	.08482	.18478	.25347	4.9791	.05229	.15964	.46580
#1	52.535	1.0190	19.666	.50081	.51943	5.7812	.51191	1.0311	1.0460	.05345	1.0460	1.0289	4.9350
#2	52.320	1.0204	19.654	.50045	.51711	5.7110	.51253	1.0284	1.0422	.04982	1.0452	1.0266	4.9677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.596**	**1.0254**	**.50800**	**-.00338**	**.50583**	**1.0401**	**.03746**	**.51008**	**.49868**	**.51159**
Stddev	.049	.0022	.00016	.00049	.00124	.0004	.00028	.00001	.00205	.00091
%RSD	.46580	.21908	.03165	14.449	.24611	.03802	.74322	.00232	.41074	.17857
#1	10.561	1.0269	.50811	-.00303	.50671	1.0398	.03727	.51007	.49724	.51095
#2	10.631	1.0238	.50788	-.00372	.50495	1.0404	.03766	.51008	.50013	.51224
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8607.2**	**109680.**	**9088.6**
Stddev	31.8	365.	12.0
%RSD	.36949	.33255	.13214
#1	8629.7	109420.	9080.1
#2	8584.7	109940.	9097.1

Sample Name: CCB Acquired: 11/9/2013 1:27:52 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00429**	**.00111**	W **.00692**	**-.00017**	**.00023**	**.00332**	**.00856**	**.00026**	**-.00005**	**.00020**	**.00003**
Stddev	.00005	.00292	.00163	.00073	.00017	.00000	.00017	.00233	.00004	.00021	.00027	.00029
%RSD	10.786	68.014	147.47	10.563	96.969	1.1618	5.0639	27.222	14.357	429.18	135.38	856.44
#1	.00040	.00636	.00226	.00743	-.00029	.00023	.00344	.01021	.00029	-.00020	.00039	.00024
#2	.00046	.00223	-.00005	.00640	-.00005	.00023	.00320	.00691	.00023	.00010	.00001	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00754**	F **.31787**	**.00014**	**.00484**	**.00011**	**.00033**	F **.30603**	**-.00004**	**.00323**	**.00179**	**.05017**	W **.00622**
Stddev	.00016	.00950	.00109	.00053	.00001	.00002	.01519	.00031	.00193	.00074	.00951	.00180
%RSD	2.1433	2.9902	793.63	10.852	12.860	6.7130	4.9636	824.46	59.925	41.204	18.957	29.039
#1	.00743	.32459	.00090	.00447	.00012	.00034	.31678	.00018	.00459	.00127	.05690	.00494
#2	.00766	.31115	-.00063	.00522	.00010	.00031	.29529	-.00026	.00186	.00231	.04345	.00749
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		.25000					.18320					.00314
Low Limit		-.25000					-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**.01516**	**.03244**	**.00135**	**.00026**	**.00232**	**.00034**	**.00037**	**.00608**	**-.00066**	**.00383**	W **.00379**
Stddev	.00346	.01469	.03144	.00034	.00005	.00063	.00008	.00055	.00374	.00005	.00043	.00018
%RSD	147.07	96.927	96.927	25.281	19.188	27.142	22.005	149.13	61.519	8.2606	11.321	4.6533
#1	.00480	.02555	.05467	.00159	.00030	.00277	.00029	-.00002	.00344	-.00063	.00352	.00367
#2	-.00009	.00477	.01021	.00111	.00023	.00188	.00040	.00076	.00873	-.00070	.00413	.00392
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8640.1**	**112020.**	**9107.0**
Stddev	14.6	402.	72.9
%RSD	.16847	.35904	.80059
#1	8650.4	111730.	9158.6
#2	8629.8	112300.	9055.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:30:11 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10908**	**.01630**	**.10665**	**.01019**	**.00112**	**.12938**	**.22914**	**.00567**	**.01083**	**.01083**	**.01640**	**.10453**
Stddev	.00024	.00032	.00203	.00017	.00015	.00008	.00085	.00033	.00006	.00004	.00003	.00034	.00051
%RSD	2.2971	.29006	12.472	.15726	1.5069	7.0286	.65911	.14282	1.1294	.37171	.23130	2.0599	.48658
#1	.01017	.10886	.01774	.10653	.01008	.00107	.12877	.22891	.00562	.01080	.01081	.01616	.10489
#2	.01050	.10930	.01486	.10677	.01030	.00118	.12998	.22937	.00571	.01086	.01085	.01664	.10417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3924**	**.00951**	**.21131**	**.01056**	**.02101**	F **1.3257**	**.04321**	**3.0076**	**.01019**	**.03554**	**.01145**	**.01769**	**.50975**
Stddev	.0520	.00056	.00359	.00003	.00017	.0006	.00010	.0062	.00097	.00348	.00095	.00422	.00334
%RSD	1.5319	5.8821	1.6976	.32739	.82245	.04752	.23409	.20622	9.5466	9.7876	8.2943	23.829	.65454
#1	3.4292	.00990	.21385	.01053	.02113	1.3252	.04313	3.0120	.01088	.03308	.01078	.01471	.50739
#2	3.3557	.00911	.20877	.01058	.02089	1.3261	.04328	3.0032	.00950	.03800	.01212	.02067	.51211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0909**	**.10635**	**.01067**	**.01496**	**.01018**	**.01705**	F **.09502**	**.00971**	F **.02647**	**.01863**
Stddev	.0071	.00011	.00008	.00048	.00003	.00045	.00880	.00023	.00084	.00073
%RSD	.65454	.10267	.79532	3.1888	.30884	2.6458	9.2588	2.3655	3.1706	3.8944
#1	1.0858	.10642	.01061	.01462	.01020	.01673	.10125	.00987	.02706	.01914
#2	1.0959	.10627	.01073	.01530	.01015	.01737	.08880	.00955	.02587	.01812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8646.6**	**111750.**	**9084.6**
Stddev	1.5	362.	36.7
%RSD	.01711	.32433	.40405
#1	8647.7	111500.	9058.6
#2	8645.6	112010.	9110.5

Sample Name: mb 280-199987/1-a Acquired: 11/9/2013 1:32:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00468**	**.00106**	W **.00453**	**-.00014**	**.00010**	**.00234**	**.01195**	**.00038**	**-.00014**
Stddev	.00010	.00016	.00242	.00011	.00006	.00004	.00145	.00093	.00004	.00007
%RSD	109.05	3.4879	227.19	2.3807	40.225	34.755	61.788	7.7840	11.385	47.942
#1	-.00017	.00457	.00277	.00446	-.00018	.00013	.00336	.01261	.00035	-.00019
#2	-.00002	.00480	-.00064	.00461	-.00010	.00008	.00132	.01129	.00041	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00392						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00060**	W **.02758**	**.13611**	**.00101**	**.00440**	W **.00023**	**-.00010**	W **.20402**	**.00003**
Stddev	.00014	.00065	.00137	.03526	.00037	.00341	.00005	.00001	.00389	.00037
%RSD	72.601	108.76	4.9518	25.908	36.222	77.438	20.508	14.527	1.9089	1241.6
#1	.00029	.00014	.02855	.16105	.00127	.00681	.00027	-.00011	.20126	-.00023
#2	.00009	.00105	.02662	.11117	.00075	.00199	.00020	-.00009	.20677	.00029
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710				.00023		.05054	
Low Limit			-.05000				-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00119**	F **.04202**	**-.00101**	**.00077**	**.00809**	**.01731**	**-.00029**	**.00018**	W **.00049**
Stddev	.00223	.00009	.00075	.00093	.00261	.01122	.02401	.00036	.00000	.00029
%RSD	63.960	7.5624	1.7965	91.874	339.13	138.70	138.70	127.52	.93465	60.059
#1	.00191	.00112	.04255	-.00166	-.00108	.01602	.03429	-.00054	.00018	.00069
#2	.00507	.00125	.04149	-.00035	.00261	.00016	.00033	-.00003	.00018	.00028
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00094**	**-.00004**	**-.00064**	W **.00402**	**.00113**
Stddev	.00004	.00058	.01866	.00019	.00045	.00107
%RSD	25.434	62.337	48115.	30.128	11.229	94.473
#1	.00014	-.00052	.01316	-.00050	.00370	.00037
#2	.00020	-.00135	-.01324	-.00078	.00434	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.7**	**114010.**	**9156.8**
Stddev	9.3	338.	27.7
%RSD	.10650	.29604	.30224
#1	8775.3	113780.	9137.2
#2	8762.1	114250.	9176.4

Sample Name: lcs 280-199987/2-a Acquired: 11/9/2013 1:34:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04971**	**1.8989**	**1.0100**	**1.0237**	**2.0448**	**.04979**	**2.3398**	**49.061**	**.10542**	**.49307**
Stddev	.00058	.0011	.0065	.0064	.0004	.00011	.0146	.053	.00042	.00044
%RSD	1.1747	.05641	.63926	.62473	.02145	.22610	.62355	.10903	.39371	.08965
#1	.04930	1.8996	1.0146	1.0282	2.0451	.04987	2.3501	49.098	.10571	.49339
#2	.05012	1.8981	1.0054	1.0192	2.0444	.04971	2.3295	49.023	.10512	.49276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20221**	**.25988**	**.96021**	**52.219**	**1.0128**	**48.595**	**.49323**	**1.0241**	**54.335**	**.49437**
Stddev	.00147	.00036	.00198	.020	.0028	.009	.00062	.0003	.067	.00007
%RSD	.72879	.13904	.20575	.03867	.27744	.01776	.12483	.03209	.12251	.01457
#1	.20326	.25963	.95881	52.204	1.0148	48.589	.49279	1.0239	54.288	.49432
#2	.20117	.26014	.96161	52.233	1.0108	48.601	.49366	1.0243	54.382	.49442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.203**	**.49673**	**.02997**	**.51091**	**2.0153**	**9.9588**	**21.312**	**2.0146**	**1.0132**	**1.0078**
Stddev	.027	.00557	.00013	.00372	.0024	.0377	.081	.0049	.0010	.0050
%RSD	.26615	1.1219	.44278	.72856	.11883	.37862	.37862	.24208	.10408	.49629
#1	10.184	.50067	.02987	.50827	2.0136	9.9321	21.255	2.0112	1.0140	1.0043
#2	10.223	.49279	.03006	.51354	2.0170	9.9854	21.369	2.0181	1.0125	1.0113
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0168**	**1.9551**	**2.1590**	**.50992**	**.48363**	**.51452**
Stddev	.0012	.0033	.0262	.00324	.00098	.00133
%RSD	.11889	.16856	1.2119	.63544	.20283	.25921
#1	1.0159	1.9528	2.1775	.50763	.48432	.51546
#2	1.0176	1.9575	2.1405	.51221	.48293	.51357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8424.6**	**106870.**	**9055.2**
Stddev	5.7	243.	40.2
%RSD	.06736	.22690	.44371
#1	8420.6	107050.	9026.8
#2	8428.6	106700.	9083.6

Sample Name: 280-48602-d-1-c Acquired: 11/9/2013 1:36:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.01098**	**.00011**	**.01650**	**.00816**	**.00014**	**-.00164**	**17.449**	**.00058**	**-.00029**
Stddev	.00007	.00022	.00010	.00066	.00006	.00009	.00005	.049	.00003	.00001
%RSD	17.864	1.9864	86.587	4.0225	.77111	62.712	2.8020	.27835	5.9391	2.3424
#1	-.00033	.01113	.00004	.01697	.00811	.00020	-.00167	17.414	.00055	-.00029
#2	-.00043	.01083	.00018	.01603	.00820	.00008	-.00161	17.483	.00060	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00047**	**.03935**	**1.8141**	**.00841**	**3.5462**	**.01285**	**.00114**	**8.8376**	**.00025**
Stddev	.00005	.00007	.00077	.0122	.00142	.0182	.00001	.00005	.0452	.00022
%RSD	11.655	15.424	1.9543	.67311	16.884	.51201	.09546	4.5443	.51169	88.315
#1	.00043	.00042	.03989	1.8227	.00741	3.5333	.01286	.00118	8.8056	.00009
#2	.00037	.00052	.03880	1.8055	.00942	3.5590	.01284	.00111	8.8695	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03838**	**.00062**	**2.2875**	**-.00224**	**.00408**	**13.815**	**29.564**	**.00074**	**.07951**	**.00088**
Stddev	.00071	.00085	.0012	.00210	.00081	.109	.234	.00093	.00025	.00239
%RSD	1.8513	137.11	.05182	94.018	19.746	.79227	.79227	126.89	.31509	270.68
#1	.03787	.00122	2.2866	-.00075	.00351	13.737	29.398	.00140	.07933	.00258
#2	.03888	.00002	2.2883	-.00372	.00465	13.892	29.729	.00008	.07968	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00214**	**.02478**	**.00103**	**.00575**	**.00142**
Stddev	.00016	.00018	.05039	.00001	.00003	.00085
%RSD	25.039	8.2998	203.37	.85946	.56204	59.831
#1	.00052	.00226	-.01086	.00103	.00577	.00082
#2	.00074	.00201	.06041	.00104	.00573	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8718.8**	**112250.**	**9207.7**
Stddev	8.6	435.	27.1
%RSD	.09908	.38769	.29439
#1	8712.7	112560.	9226.9
#2	8724.9	111950.	9188.5

Sample Name: 280-48602-d-1-cSD@5 Acquired: 11/9/2013 1:39:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01225**	**-.00037**	**.00692**	**.00349**	**.00038**	**-.00006**	**3.9905**	**.00034**	**-.00008**
Stddev	.00032	.00015	.00192	.00013	.00301	.00030	.00454	.2799	.00009	.00007
%RSD	106.75	1.2532	517.67	1.8309	86.252	79.004	7423.2	7.0150	24.935	82.359
#1	.00053	.01214	.00099	.00683	.00562	.00059	-.00327	4.1885	.00040	-.00013
#2	.00007	.01236	-.00173	.00701	.00136	.00017	.00315	3.7926	.00028	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00021**	**.06071**	**.64849**	**.00325**	**.77339**	**.00289**	**.00029**	**2.8108**	**.00005**
Stddev	.00009	.00024	.04911	.25859	.00096	.00126	.00002	.00012	1.1458	.00010
%RSD	36.956	110.63	80.896	39.877	29.385	.16267	.60966	42.676	40.764	191.82
#1	.00030	.00005	.09543	.83134	.00258	.77428	.00288	.00020	3.6210	.00013
#2	.00017	.00038	.02598	.46563	.00393	.77250	.00290	.00037	2.0006	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00945**	**.00032**	**.50311**	**-.00104**	**.00236**	**2.9280**	**6.2659**	**.00271**	**.02058**	**.00071**
Stddev	.00039	.00065	.00003	.00160	.00209	.0198	.0423	.00019	.00475	.00072
%RSD	4.0848	202.87	.00684	154.27	88.285	.67446	.67446	7.0458	23.083	102.51
#1	.00972	-.00014	.50313	-.00217	.00384	2.9419	6.2957	.00284	.02394	.00019
#2	.00918	.00078	.50309	.00009	.00089	2.9140	6.2360	.00257	.01722	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00002**	**-.01174**	**.00021**	**.00725**	**.00128**
Stddev	.00002	.00119	.01714	.00035	.00005	.00034
%RSD	6.4792	5059.4	145.95	166.73	.68359	26.740
#1	.00037	.00087	.00038	-.00004	.00722	.00104
#2	.00033	-.00082	-.02386	.00046	.00729	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8721.9**	**112750.**	**9181.8**
Stddev	11.2	185.	16.4
%RSD	.12811	.16386	.17899
#1	8714.0	112880.	9170.2
#2	8729.8	112620.	9193.4

Sample Name: 280-48602-d-1-d ms Acquired: 11/9/2013 1:41:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04847**	**1.8599**	**.99018**	**1.0126**	**2.0139**	**.04912**	F **2.2925**	**64.970**	**.10342**	**.48248**
Stddev	.00009	.0000	.00003	.0003	.0091	.00012	.0028	.027	.00015	.00021
%RSD	.18239	.00101	.00301	.02551	.45186	.24053	.12187	.04108	.14040	.04375
#1	.04840	1.8599	.99021	1.0125	2.0204	.04920	2.2905	64.989	.10353	.48263
#2	.04853	1.8599	.99016	1.0128	2.0075	.04903	2.2945	64.951	.10332	.48233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19837**	**.25507**	**.97499**	**52.937**	**1.0038**	**51.046**	**.49531**	**1.0111**	**62.035**	**.48608**
Stddev	.00025	.00102	.00321	.165	.0057	.104	.00041	.0003	.241	.00050
%RSD	.12574	.39943	.32877	.31231	.56458	.20348	.08185	.03369	.38831	.10284
#1	.19820	.25435	.97725	53.053	1.0078	51.119	.49560	1.0113	62.205	.48643
#2	.19855	.25579	.97272	52.820	.99976	50.972	.49503	1.0108	61.865	.48572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.042**	**.48259**	**2.2894**	**.49634**	**1.9561**	**23.514**	**50.319**	**1.9666**	**1.0721**	**.98641**
Stddev	.015	.00243	.0117	.00116	.0069	.046	.099	.0041	.0048	.00311
%RSD	.15054	.50363	.50948	.23417	.35167	.19601	.19601	.21012	.44710	.31501
#1	10.053	.48087	2.2976	.49552	1.9512	23.546	50.389	1.9637	1.0755	.98861
#2	10.031	.48430	2.2811	.49716	1.9610	23.481	50.250	1.9695	1.0687	.98422
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99716**	**1.8693**	**2.1558**	**.50351**	**.47510**	**.50670**
Stddev	.00184	.0010	.0280	.00031	.00040	.00251
%RSD	.18441	.05172	1.3003	.06193	.08452	.49524
#1	.99586	1.8700	2.1360	.50329	.47539	.50847
#2	.99846	1.8686	2.1756	.50373	.47482	.50492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.0**	**106580.**	**9146.7**
Stddev	13.2	84.	44.0
%RSD	.15813	.07899	.48155
#1	8360.4	106640.	9177.9
#2	8341.7	106520.	9115.6

Sample Name: 280-48602-d-1-e msd Acquired: 11/9/2013 1:43:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04959**	**1.8817**	**1.0020**	**1.0204**	**2.0424**	**.04974**	F **2.3036**	**65.751**	**.10419**	**.48741**
Stddev	.00027	.0028	.0041	.0008	.0060	.00002	.0033	.167	.00001	.00158
%RSD	.54324	.14662	.40507	.07714	.29254	.04227	.14345	.25343	.00570	.32452
#1	.04940	1.8836	1.0049	1.0210	2.0466	.04976	2.3059	65.869	.10419	.48853
#2	.04978	1.8797	.99918	1.0199	2.0382	.04973	2.3012	65.633	.10418	.48629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20051**	**.25807**	**.97091**	**53.887**	**1.0173**	**51.683**	**.50025**	**1.0196**	**63.109**	**.49075**
Stddev	.00011	.00074	.00025	.007	.0022	.115	.00048	.0016	.120	.00132
%RSD	.05566	.28654	.02538	.01287	.21726	.22271	.09548	.15798	.19079	.26913
#1	.20059	.25754	.97073	53.882	1.0157	51.764	.50059	1.0208	63.024	.49168
#2	.20043	.25859	.97108	53.892	1.0188	51.601	.49991	1.0185	63.194	.48981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.113**	**.48885**	**2.2708**	**.49899**	**1.9697**	**23.495**	**50.280**	**1.9847**	**1.0859**	**.99729**
Stddev	.003	.00082	.0026	.00271	.0014	.127	.272	.0007	.0019	.00269
%RSD	.03438	.16792	.11373	.54355	.06882	.54012	.54012	.03669	.17306	.27007
#1	10.115	.48943	2.2726	.49707	1.9706	23.405	50.088	1.9842	1.0872	.99538
#2	10.110	.48827	2.2690	.50091	1.9687	23.585	50.472	1.9852	1.0845	.99919
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0089**	**1.8845**	**2.1418**	**.50773**	**.48282**	**.50923**
Stddev	.0033	.0012	.0187	.00183	.00338	.00255
%RSD	.33128	.06353	.87263	.36037	.70013	.50150
#1	1.0112	1.8854	2.1550	.50903	.48521	.50742
#2	1.0065	1.8837	2.1286	.50644	.48043	.51103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8353.5**	**105980.**	**8993.8**
Stddev	16.1	1025.	29.5
%RSD	.19283	.96668	.32748
#1	8342.1	105250.	8973.0
#2	8364.9	106700.	9014.7

Sample Name: CCVH-2357613 Acquired: 11/9/2013 1:45:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**50.175**	**.00261**	**.00910**	**.00004**	**-.00004**	**1.0341**	**.01345**	**.00012**	**-.00077**	**-.00019**	**.00889**	**48.618**
Stddev	.00029	.080	.00006	.00035	.00006	.00014	.0045	.00466	.00007	.00008	.00010	.00003	.290
%RSD	6.7391	.15931	2.3306	3.8064	152.19	378.69	.43248	34.648	59.273	9.8595	53.338	.30750	.59712
#1	.00413	50.232	.00256	.00886	.00008	-.00013	1.0309	.01674	.00007	-.00082	-.00012	.00887	48.824
#2	.00455	50.119	.00265	.00935	.00000	.00006	1.0372	.01015	.00017	-.00072	-.00026	.00891	48.413
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20119**	**.00124**	**.08128**	**.00041**	**.00009**	**260.60**	**.00007**	**.00250**	**.00183**	**5.0865**	**.00114**	**.00017**	**.02583**
Stddev	.03151	.00098	.00617	.00008	.00005	.49	.00020	.00159	.00240	.0123	.00086	.00117	.01129
%RSD	15.662	78.720	7.5861	19.622	52.883	.18841	291.77	63.567	130.97	.24174	75.801	686.10	43.720
#1	.22347	.00194	.08564	.00046	.00006	260.95	-.00007	.00138	.00014	5.0778	.00175	.00100	.01784
#2	.17891	.00055	.07692	.00035	.00012	260.26	.00021	.00363	.00353	5.0952	.00053	-.00066	.03381
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05527**	**.00077**	**.00061**	**4.7707**	**-.00569**	**.00217**	**9.9996**	**-.00009**	**.00510**	**.02449**
Stddev	.02416	.00042	.00008	.0141	.00018	.00081	.0146	.00002	.00062	.00061
%RSD	43.720	54.700	12.337	.29454	3.2373	37.469	.14594	20.906	12.136	2.5055
#1	.03818	.00107	.00066	4.7807	-.00556	.00159	9.9892	-.00010	.00467	.02493
#2	.07236	.00047	.00056	4.7608	-.00582	.00274	10.010	-.00008	.00554	.02406
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8427.2**	**106280.**	**8855.0**
Stddev	7.3	14.	15.7
%RSD	.08711	.01276	.17728
#1	8432.4	106270.	8843.9
#2	8422.0	106290.	8866.1

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:48:12 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49660**	**.50305**	**1.0088**	**.51374**	**.50346**	**.49443**	**.00217**	**4.9585**	**.50702**	**.50302**	**.49934**	**.50900**	**2.3866**
Stddev	.00137	.00088	.0010	.00137	.00090	.00001	.00051	.0014	.00126	.00044	.00046	.00118	.0056
%RSD	.27586	.17502	.09492	.26754	.17778	.00169	23.668	.02909	.24829	.08686	.09229	.23209	.23313
#1	.49757	.50368	1.0095	.51471	.50409	.49443	.00254	4.9595	.50791	.50271	.49966	.50983	2.3906
#2	.49563	.50243	1.0081	.51277	.50282	.49444	.00181	4.9575	.50613	.50332	.49901	.50816	2.3827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.491**	**1.0030**	**19.394**	**.49187**	**.50883**	**5.3786**	**.50500**	**1.0095**	**1.0253**	**.01336**	**1.0289**	**1.0096**	**4.9247**
Stddev	.010	.0003	.008	.00123	.00208	.0195	.00127	.0035	.0038	.00207	.0072	.0017	.0178
%RSD	.01983	.02729	.04240	.25090	.40932	.36321	.25186	.34973	.36881	15.505	.69826	.16394	.36194
#1	51.498	1.0028	19.400	.49274	.50735	5.3924	.50590	1.0070	1.0226	.01482	1.0340	1.0108	4.9121
#2	51.484	1.0032	19.389	.49100	.51030	5.3648	.50410	1.0120	1.0280	.01189	1.0238	1.0085	4.9373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.539**	**1.0113**	**.49995**	**-.00278**	**.49660**	**1.0234**	**.03815**	**.50126**	**.49095**	**.50196**
Stddev	.038	.0036	.00104	.00282	.00124	.0055	.00415	.00068	.00115	.00006
%RSD	.36194	.35406	.20758	101.40	.25056	.53590	10.880	.13545	.23400	.01121
#1	10.512	1.0139	.50068	-.00079	.49748	1.0272	.03522	.50077	.49014	.50200
#2	10.566	1.0088	.49921	-.00478	.49572	1.0195	.04109	.50174	.49177	.50192
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8574.1**	**109270.**	**9016.2**
Stddev	17.6	11.	6.7
%RSD	.20537	.01001	.07465
#1	8561.6	109280.	9020.9
#2	8586.5	109260.	9011.4

Sample Name: CCB Acquired: 11/9/2013 1:50:22 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00194**	**.00096**	W **.00446**	**-.00009**	**.00015**	**.00464**	**.00368**	**.00040**	**-.00017**	**.00015**	**-.00012**
Stddev	.00069	.00024	.00199	.00022	.00016	.00003	.00419	.00336	.00009	.00011	.00010	.00013
%RSD	522.74	12.384	207.95	4.9019	169.63	18.969	90.290	91.298	22.583	62.116	70.497	108.28
#1	.00062	.00177	-.00045	.00431	-.00020	.00017	.00168	.00130	.00033	-.00010	.00022	-.00003
#2	-.00035	.00211	.00236	.00462	.00002	.00013	.00760	.00606	.00046	-.00025	.00007	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**.05386**	**.00126**	**.00454**	**.00004**	**.00043**	W **.09991**	**.00008**	**.00084**	**.00131**	**.01724**	W **.00468**
Stddev	.00003	.00813	.00013	.00016	.00002	.00001	.00604	.00002	.00197	.00021	.00182	.00000
%RSD	.82390	15.094	10.110	3.5383	43.832	2.0005	6.0466	29.886	233.78	15.932	10.527	.08782
#1	.00379	.05961	.00135	.00466	.00003	.00044	.09564	.00010	.00223	.00116	.01853	.00469
#2	.00374	.04811	.00117	.00443	.00005	.00043	.10418	.00006	-.00055	.00146	.01596	.00468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	**.01815**	**.03885**	**.00043**	**.00010**	**.00112**	**.00027**	**-.00004**	**.01419**	**-.00037**	**.00414**	**.00192**
Stddev	.00117	.02509	.05370	.00022	.00005	.00046	.00022	.00015	.01230	.00006	.00002	.00063
%RSD	45.768	138.22	138.22	51.543	55.019	41.202	83.426	385.75	86.683	16.169	.44124	32.553
#1	.00173	.00041	.00088	.00059	.00014	.00144	.00011	.00007	.02289	-.00033	.00415	.00148
#2	.00338	.03590	.07682	.00027	.00006	.00079	.00042	-.00015	.00549	-.00041	.00413	.00237
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8542.9**	**110590.**	**8854.7**
Stddev	13.4	116.	.3
%RSD	.15713	.10505	.00375
#1	8552.4	110510.	8854.5
#2	8533.4	110670.	8854.9

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:52:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.10542**	**.01569**	**.10350**	**.01005**	**.00113**	**.12426**	**.21620**	**.00550**	**.01039**	**.01043**	**.01603**	**.10374**
Stddev	.00033	.00007	.00154	.00094	.00011	.00001	.00123	.00288	.00009	.00012	.00024	.00013	.00066
%RSD	3.1761	.06389	9.8313	.90460	1.0794	.44274	.98948	1.3326	1.5614	1.1899	2.3009	.78502	.64089
#1	.01049	.10547	.01678	.10417	.00997	.00113	.12513	.21824	.00556	.01048	.01060	.01594	.10421
#2	.01003	.10537	.01460	.10284	.01012	.00114	.12339	.21416	.00544	.01031	.01026	.01612	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1913**	F **.01362**	**.20793**	**.01021**	**.02100**	**1.1720**	**.04203**	**2.9728**	**.00874**	**.01487**	**.01056**	**.01628**	**.50156**
Stddev	.0693	.00115	.00258	.00011	.00035	.0181	.00067	.0330	.00014	.00033	.00120	.00236	.00332
%RSD	2.1723	8.4551	1.2422	1.0527	1.6731	1.5440	1.5931	1.1115	1.6450	2.2098	11.350	14.509	.66102
#1	3.2403	.01443	.20975	.01029	.02125	1.1848	.04250	2.9961	.00884	.01510	.00972	.01795	.49922
#2	3.1423	.01280	.20610	.01014	.02075	1.1592	.04155	2.9494	.00864	.01463	.01141	.01461	.50391
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0733**	**.10501**	**.01041**	**.01576**	**.01024**	**.01638**	**.06750**	**.00965**	**.02571**	**.01726**
Stddev	.0071	.00095	.00007	.00184	.00034	.00113	.03405	.00027	.00022	.00094
%RSD	.66102	.90583	.67625	11.682	3.2886	6.8704	50.448	2.7945	.84247	5.4189
#1	1.0683	.10568	.01036	.01706	.01048	.01717	.04342	.00984	.02586	.01660
#2	1.0784	.10433	.01046	.01446	.01000	.01558	.09157	.00946	.02555	.01792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8606.3**	**111740.**	**8973.0**
Stddev	19.5	28.	78.4
%RSD	.22708	.02542	.87349
#1	8592.5	111720.	9028.4
#2	8620.1	111760.	8917.6

Sample Name: mb 280-199912/1-a Acquired: 11/9/2013 1:55:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00167**	**-.00174**	**.00307**	**-.00018**	**.00008**	**.00194**	**.00858**	**.00023**	**-.00020**
Stddev	.00027	.00008	.00035	.00043	.00001	.00012	.00338	.00038	.00008	.00001
%RSD	91.709	4.5711	20.297	14.105	2.9310	155.84	173.90	4.3807	35.087	5.3346
#1	.00048	.00172	-.00199	.00338	-.00017	-.00001	.00434	.00831	.00029	-.00020
#2	.00010	.00161	-.00149	.00277	-.00018	.00016	-.00045	.00884	.00017	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00046**	**.00601**	**.04288**	**.00178**	**.00212**	**.00009**	**.00018**	**.09925**	**-.00003**
Stddev	.00016	.00041	.00006	.00403	.00048	.00236	.00005	.00024	.00772	.00022
%RSD	67.255	88.583	.95909	9.3996	27.085	111.74	53.657	138.29	7.7814	794.73
#1	.00012	.00075	.00605	.04003	.00144	.00379	.00012	.00035	.10471	-.00018
#2	.00035	.00017	.00597	.04573	.00212	.00044	.00006	.00000	.09379	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00119**	**.01516**	**-.00114**	**.00141**	**.00927**	**.01984**	**-.00085**	**.00003**	**-.00080**
Stddev	.00131	.00075	.00224	.00030	.00015	.00835	.01787	.00067	.00007	.00110
%RSD	124.53	63.338	14.783	26.628	10.540	90.080	90.080	78.976	265.40	137.67
#1	.00013	.00066	.01674	-.00092	.00131	.01517	.03247	-.00133	.00008	-.00158
#2	.00198	.00172	.01357	-.00135	.00152	.00337	.00720	-.00038	-.00002	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00067**	**-.01308**	**-.00035**	**.00342**	**.00164**
Stddev	.00042	.00100	.02634	.00037	.00009	.00000
%RSD	397.19	150.00	201.33	105.54	2.6864	.24037
#1	.00040	-.00138	.00554	-.00061	.00336	.00164
#2	-.00019	.00004	-.03171	-.00009	.00349	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8695.2**	**113160.**	**9045.5**
Stddev	18.8	626.	80.0
%RSD	.21599	.55282	.88413
#1	8681.9	113600.	8988.9
#2	8708.4	112720.	9102.0

Sample Name: lcs 280-199912/2-a Acquired: 11/9/2013 1:57:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04917	1.9251	1.0081	1.0153	2.0537	.05035	2.3269	49.579	.10506	.49718
Stddev	.00002	.0014	.0067	.0013	.0068	.00043	.0004	.231	.00004	.00084
%RSD	.04092	.07432	.66779	.12764	.33083	.84421	.01595	.46598	.03737	.16809
#1	.04915	1.9241	1.0033	1.0162	2.0585	.05065	2.3272	49.742	.10503	.49659
#2	.04918	1.9261	1.0128	1.0143	2.0489	.05005	2.3267	49.415	.10509	.49777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20394	.26061	.96123	52.744	1.0228	48.871	.49713	1.0377	54.926	.49838
Stddev	.00055	.00019	.00143	.187	.0033	.103	.00047	.0007	.002	.00103
%RSD	.27013	.07384	.14914	.35510	.32388	.21018	.09457	.06854	.00374	.20724
#1	.20355	.26047	.96225	52.876	1.0251	48.798	.49680	1.0372	54.924	.49765
#2	.20433	.26074	.96022	52.612	1.0204	48.944	.49746	1.0382	54.927	.49911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.222	.49801	.01037	.51007	2.0031	10.143	21.706	2.0290	1.0213	1.0142
Stddev	.015	.00057	.00010	.00024	.0037	.055	.118	.0008	.0030	.0022
%RSD	.14672	.11480	.98450	.04775	.18456	.54511	.54511	.03743	.28978	.21983
#1	10.211	.49760	.01030	.50990	2.0057	10.182	21.790	2.0284	1.0233	1.0126
#2	10.232	.49841	.01044	.51025	2.0005	10.104	21.623	2.0295	1.0192	1.0158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0260	1.9577	2.1814	.51649	.48817	.52211
Stddev	.0001	.0005	.0443	.00029	.00064	.00011
%RSD	.01213	.02715	2.0297	.05661	.13183	.02030
#1	1.0259	1.9574	2.2127	.51669	.48772	.52218
#2	1.0260	1.9581	2.1501	.51628	.48863	.52203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8317.1	105850.	8895.7
Stddev	12.3	117.	70.2
%RSD	.14741	.11040	.78957
#1	8325.7	105930.	8846.0
#2	8308.4	105770.	8945.4

Sample Name: 280-48729-b-1-b Acquired: 11/9/2013 1:59:29 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.02783**	**.00055**	**.04315**	**.03724**	**.00010**	**-.00049**	**225.27**	**.00293**	**.05672**
Stddev	.00043	.00021	.00370	.00043	.00023	.00004	.00009	3.36	.00006	.00056
%RSD	132.95	.73868	674.43	.99686	.61662	38.621	18.442	1.4922	2.0310	.97938
#1	-.00063	.02769	-.00207	.04284	.03707	.00013	-.00042	222.90	.00289	.05712
#2	-.00002	.02798	.00316	.04345	.03740	.00007	-.00055	227.65	.00297	.05633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01238**	**.47920**	**10.355**	**.01397**	**31.961**	**3.9331**	**.00396**	**18.002**	**.02507**
Stddev	.00004	.00025	.00163	.100	.00055	.092	.0445	.00013	.501	.00039
%RSD	13.491	1.9979	.33985	.96536	3.9130	.28812	1.1315	3.3165	2.7850	1.5394
#1	.00031	.01220	.47804	10.284	.01358	32.026	3.9646	.00386	17.647	.02535
#2	.00026	.01255	.48035	10.426	.01436	31.896	3.9017	.00405	18.356	.02480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00608**	**.00123**	F **221.82**	**.00090**	**.01181**	**5.3298**	**11.406**	**-.00067**	**.36491**	**-.00027**
Stddev	.00090	.00014	.19	.00071	.00195	.0381	.081	.00072	.00008	.00231
%RSD	14.850	11.144	.08393	79.236	16.512	.71422	.71422	106.67	.02206	843.39
#1	.00672	.00132	221.69	.00140	.01043	5.3029	11.348	-.00017	.36496	.00136
#2	.00544	.00113	221.95	.00040	.01319	5.3567	11.463	-.00118	.36485	-.00191
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00059**	**-.02409**	**.00033**	**.14045**	**.00290**
Stddev	.00004	.00040	.02084	.00001	.00025	.00031
%RSD	3.6873	68.075	86.500	1.9454	.17542	10.553
#1	.00100	.00087	-.03883	.00034	.14062	.00312
#2	.00095	.00030	-.00936	.00033	.14027	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8182.5**	**105380.**	**8997.3**
Stddev	40.6	198.	26.5
%RSD	.49662	.18792	.29453
#1	8153.7	105240.	9016.0
#2	8211.2	105520.	8978.5

Sample Name: 280-48729-b-1-bSD@5 Acquired: 11/9/2013 2:02:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.01786**	**.00000**	**.01088**	**.00811**	**.00010**	**.00028**	**47.692**	**.00096**	**.01205**
Stddev	.00042	.00025	.0029	.00037	.00014	.00002	.00255	.187	.00009	.00003
%RSD	534.64	1.3810	95224.	3.4013	1.6975	19.527	900.00	.39216	9.2152	.28571
#1	-.00022	.01768	-.00202	.01062	.00801	.00012	.00209	47.560	.00102	.01207
#2	.00037	.01803	.00201	.01114	.00821	.00009	-.00152	47.824	.00089	.01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00285**	**.11850**	**2.2506**	**.00285**	**6.8881**	**.85034**	**.00078**	**3.6603**	**.00513**
Stddev	.00004	.00038	.00026	.0362	.00006	.0115	.00154	.00019	.0166	.00021
%RSD	15.124	13.436	.21907	1.6063	2.1440	.16746	.18143	24.558	.45417	4.1737
#1	.00031	.00258	.11868	2.2251	.00281	6.8799	.84925	.00064	3.6485	.00497
#2	.00025	.00312	.11831	2.2762	.00290	6.8963	.85143	.00091	3.6720	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	**.00098**	**45.947**	**-.00136**	**.00381**	**1.1214**	**2.3999**	**.00227**	**.07822**	**.00128**
Stddev	.00105	.00190	.046	.00185	.00056	.0017	.0037	.00137	.00056	.00151
%RSD	28.552	193.38	.10089	136.27	14.625	.15475	.15475	60.208	.70997	117.33
#1	.00292	-.00036	45.914	-.00266	.00342	1.1202	2.3972	.00130	.07862	.00022
#2	.00440	.00232	45.979	-.00005	.00421	1.1227	2.4025	.00323	.07783	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00061**	**-.02115**	**-.00038**	**.03590**	**.00137**
Stddev	.00005	.00006	.03628	.00020	.00019	.00008
%RSD	14.118	10.469	171.52	52.699	.53522	5.7191
#1	.00042	.00066	.00450	-.00024	.03577	.00142
#2	.00034	.00057	-.04680	-.00052	.03604	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.5**	**109750.**	**9141.5**
Stddev	8.7	587.	28.3
%RSD	.10223	.53448	.30922
#1	8497.4	110160.	9161.5
#2	8509.7	109330.	9121.6

Sample Name: 280-48729-b-1-c ms Acquired: 11/9/2013 2:04:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**1.8838**	**1.0408**	**1.0611**	**2.1134**	**.04974**	F **2.3484**	**283.37**	**.10945**	**.54784**
Stddev	.00036	.0010	.0046	.0029	.0048	.00010	.0093	2.93	.00008	.00087
%RSD	.71923	.05129	.44490	.27076	.22666	.19956	.39458	1.0336	.07461	.15803
#1	.05042	1.8831	1.0375	1.0590	2.1100	.04967	2.3418	281.30	.10940	.54722
#2	.04991	1.8845	1.0441	1.0631	2.1168	.04981	2.3549	285.44	.10951	.54845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20493**	**.27590**	**1.4369**	**64.423**	**1.0551**	**81.716**	**4.5470**	**1.0492**	**74.049**	**.51696**
Stddev	.00044	.00109	.0040	.248	.0019	.020	.0185	.0037	.226	.00045
%RSD	.21517	.39659	.27990	.38537	.18451	.02501	.40676	.34999	.30490	.08653
#1	.20461	.27668	1.4341	64.247	1.0537	81.730	4.5601	1.0466	73.890	.51665
#2	.20524	.27513	1.4398	64.598	1.0565	81.701	4.5339	1.0518	74.209	.51728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.535**	**.48715**	F **233.00**	**.51566**	**2.0408**	**15.692**	**33.580**	**1.9984**	**1.4095**	**1.0109**
Stddev	.029	.00076	.24	.00185	.0096	.112	.241	.0004	.0026	.0065
%RSD	.27809	.15658	.10353	.35908	.46996	.71661	.71661	.01999	.18144	.64318
#1	10.515	.48661	232.83	.51697	2.0476	15.771	33.750	1.9987	1.4077	1.0155
#2	10.556	.48769	233.17	.51435	2.0340	15.612	33.410	1.9981	1.4113	1.0063
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0245**	**1.8699**	**2.1482**	**.51989**	**.62400**	**.51713**
Stddev	.0004	.0005	.0363	.00017	.00039	.00547
%RSD	.03960	.02692	1.6914	.03288	.06271	1.0585
#1	1.0248	1.8703	2.1225	.51977	.62372	.52100
#2	1.0242	1.8696	2.1739	.52001	.62428	.51326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.3**	**101800.**	**8879.3**
Stddev	14.7	385.	81.4
%RSD	.18560	.37830	.91704
#1	7924.9	102080.	8936.9
#2	7945.7	101530.	8821.7

Sample Name: 280-48729-b-1-d msd Acquired: 11/9/2013 2:06:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**1.8780**	**1.0431**	**1.0542**	**2.0967**	**.04904**	F **2.3409**	**276.52**	**.10935**	**.54580**
Stddev	.00061	.0017	.0001	.0009	.0007	.00003	.0019	1.97	.00024	.00004
%RSD	1.2192	.09213	.00643	.08594	.03399	.05598	.08177	.71313	.21944	.00673
#1	.04972	1.8768	1.0431	1.0549	2.0962	.04906	2.3422	277.92	.10918	.54582
#2	.05059	1.8792	1.0432	1.0536	2.0973	.04902	2.3395	275.13	.10952	.54577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20397**	**.27312**	**1.4253**	**63.875**	**1.0489**	**80.638**	**4.4907**	**1.0386**	**73.194**	**.51683**
Stddev	.00029	.00097	.0035	.029	.0000	.107	.0191	.0020	.112	.00099
%RSD	.13974	.35422	.24508	.04520	.00132	.13225	.42581	.19430	.15300	.19074
#1	.20417	.27244	1.4278	63.896	1.0489	80.563	4.5042	1.0400	73.273	.51753
#2	.20377	.27380	1.4228	63.855	1.0488	80.714	4.4771	1.0372	73.114	.51613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.531**	**.48747**	F **232.71**	**.51042**	**2.0472**	**15.406**	**32.970**	**1.9811**	**1.3961**	**1.0002**
Stddev	.012	.00015	.04	.00040	.0079	.115	.246	.0029	.0001	.0021
%RSD	.11307	.03001	.01597	.07762	.38427	.74504	.74504	.14470	.00366	.21133
#1	10.540	.48757	232.74	.51014	2.0528	15.488	33.143	1.9831	1.3961	.99873
#2	10.523	.48737	232.69	.51070	2.0417	15.325	32.796	1.9790	1.3961	1.0017
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0066**	**1.8631**	**2.1131**	**.51339**	**.61463**	**.50972**
Stddev	.0024	.0040	.0379	.00003	.00102	.00452
%RSD	.23883	.21508	1.7929	.00653	.16556	.88665
#1	1.0083	1.8659	2.1398	.51336	.61535	.51292
#2	1.0049	1.8602	2.0863	.51341	.61391	.50653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7945.9**	**102480.**	**8884.2**
Stddev	17.4	402.	7.1
%RSD	.21861	.39209	.07995
#1	7933.6	102200.	8879.1
#2	7958.2	102770.	8889.2

Sample Name: 280-48729-b-1-bPDS Acquired: 11/9/2013 2:08:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05114**	**1.0008**	**.21458**	**.14626**	**.14229**	**.05014**	**.00138**	**236.35**	**.05602**	**.10637**
Stddev	.00034	.0004	.00263	.00005	.00043	.00003	.00162	2.04	.00010	.00061
%RSD	.65762	.04268	1.2258	.03286	.30089	.05029	117.88	.86209	.18680	.57312
#1	.05090	1.0011	.21644	.14629	.14259	.05016	.00252	234.91	.05594	.10680
#2	.05138	1.0005	.21272	.14622	.14199	.05013	.00023	237.79	.05609	.10594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05276**	**.06519**	**1.4295**	**31.933**	**.12332**	**51.024**	**3.8957**	**.05713**	**40.228**	**.07539**
Stddev	.00027	.00042	.0081	.032	.00084	.046	.0150	.00015	.127	.00044
%RSD	.51778	.64392	.56497	.10081	.67848	.08942	.38516	.26575	.31608	.58832
#1	.05256	.06489	1.4238	31.910	.12391	50.992	3.9063	.05723	40.318	.07571
#2	.05295	.06548	1.4352	31.956	.12273	51.056	3.8851	.05702	40.139	.07508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1829**	**.10185**	F **221.17**	**.10694**	**.21883**	**10.312**	**22.068**	**.10191**	**.41384**	**.20283**
Stddev	.0077	.00034	.24	.00170	.00300	.008	.017	.00012	.00119	.00146
%RSD	.35381	.33307	.10882	1.5878	1.3690	.07856	.07856	.11501	.28663	.72159
#1	2.1775	.10209	221.00	.10814	.22095	10.306	22.055	.10183	.41300	.20179
#2	2.1884	.10161	221.34	.10574	.21672	10.318	22.080	.10200	.41468	.20386
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05265**	**.19698**	**.55206**	**.05264**	**.33547**	**.05410**
Stddev	.00039	.00134	.00287	.00011	.00106	.00129
%RSD	.74366	.68181	.51975	.20216	.31716	2.3862
#1	.05237	.19793	.55409	.05271	.33622	.05501
#2	.05293	.19603	.55003	.05256	.33472	.05318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.1**	**104460.**	**8968.8**
Stddev	7.3	297.	9.1
%RSD	.09054	.28434	.10129
#1	8105.2	104670.	8962.3
#2	8094.9	104250.	8975.2

Sample Name: 280-48532-e-17-b Acquired: 11/9/2013 2:11:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.04867**	**.00306**	**.00461**	**-.00013**	**.00015**	**.00359**	**.46324**	**.00037**	**.00017**
Stddev	.00069	.00133	.00015	.00020	.00020	.00001	.00060	.00814	.00012	.00012
%RSD	239.34	2.7262	4.8879	4.3379	150.07	8.6514	16.723	1.7581	33.018	70.558
#1	-.00020	.04773	.00295	.00447	.00001	.00016	.00317	.46899	.00045	.00008
#2	.00077	.04961	.00317	.00475	-.00027	.00014	.00401	.45748	.00028	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00042**	**.00915**	**.12924**	**.00189**	**.06893**	**.00795**	**.00038**	**.13420**	**.00003**
Stddev	.00002	.00014	.00145	.04046	.00189	.00062	.00001	.00014	.00695	.00002
%RSD	7.4965	33.311	15.845	31.307	99.669	.89822	.10131	36.662	5.1815	64.223
#1	.00026	.00032	.00812	.15785	.00323	.06937	.00794	.00028	.12929	.00001
#2	.00023	.00052	.01017	.10063	.00056	.06850	.00795	.00048	.13912	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00675**	**.00089**	**.53075**	**-.00181**	**.00424**	**.02166**	**.04635**	**-.00022**	**.00087**	**.00018**
Stddev	.00306	.00032	.09995	.00065	.00406	.01728	.03698	.00117	.00008	.00004
%RSD	45.341	35.621	18.832	35.841	95.807	79.788	79.788	529.41	9.7376	23.113
#1	.00459	.00111	.46008	-.00226	.00137	.03388	.07251	-.00105	.00081	.00021
#2	.00892	.00066	.60143	-.00135	.00711	.00944	.02020	.00061	.00093	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00011**	**.02267**	**-.00092**	**.00462**	**.00274**
Stddev	.00018	.00038	.02427	.00044	.00021	.00011
%RSD	64.078	336.57	107.06	47.554	4.6091	3.8360
#1	.00015	-.00016	.03983	-.00061	.00447	.00267
#2	.00040	.00038	.00551	-.00123	.00477	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8817.1**	**114880.**	**9290.0**
Stddev	16.7	217.	57.8
%RSD	.18893	.18901	.62241
#1	8828.9	115040.	9330.8
#2	8805.3	114730.	9249.1

Sample Name: CCVH-2357613 Acquired: 11/9/2013 2:13:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**50.226**	**-.00024**	**.00675**	**.00003**	**.00013**	**1.0488**	**.02190**	**.00003**	**-.00060**	**-.00008**	**.00919**	**48.909**
Stddev	.00063	.103	.00029	.00036	.00007	.00001	.0022	.00496	.00016	.00024	.00005	.00014	.484
%RSD	18.879	.20531	123.06	5.3912	217.46	7.7932	.20748	22.655	487.95	39.749	63.392	1.5140	.99057
#1	.00378	50.299	-.00045	.00649	-.00002	.00012	1.0473	.02541	.00015	-.00077	-.00011	.00929	49.252
#2	.00289	50.153	-.00003	.00701	.00009	.00013	1.0504	.01839	-.00008	-.00043	-.00004	.00909	48.567
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15251**	**.00101**	**.07866**	**.00059**	**-.00018**	**263.17**	**.00009**	**.00129**	**.00312**	**5.1748**	**.00016**	**.00094**	**.03615**
Stddev	.00516	.00091	.00057	.00002	.00015	.72	.00013	.00137	.00135	.0057	.00008	.00348	.00614
%RSD	3.3850	89.942	.71994	3.0453	83.448	.27191	137.06	106.34	43.218	.11117	48.818	369.58	16.988
#1	.14886	.00037	.07906	.00057	-.00007	263.67	.00000	.00032	.00216	5.1707	.00021	-.00152	.04049
#2	.15616	.00165	.07826	.00060	-.00028	262.66	.00018	.00226	.00407	5.1789	.00010	.00341	.03181
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07736**	**-.00109**	**.00044**	**4.8036**	**-.00610**	**.00202**	**10.131**	**.00012**	**.00245**	**.02357**
Stddev	.01314	.00039	.00003	.0158	.00006	.00008	.002	.00021	.00003	.00298
%RSD	16.988	35.693	7.3989	.32911	.95857	4.2004	.02075	175.70	1.2460	12.633
#1	.08665	-.00082	.00046	4.7925	-.00606	.00196	10.133	.00027	.00243	.02567
#2	.06807	-.00137	.00041	4.8148	-.00614	.00208	10.130	-.00003	.00247	.02146
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.9**	**107490.**	**9120.2**
Stddev	4.9	598.	1.4
%RSD	.05743	.55671	.01548
#1	8473.3	107910.	9119.2
#2	8466.5	107070.	9121.2

Sample Name: CCV-2357614 Acquired: 11/9/2013 2:16:04 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50097**	**.50754**	**1.0173**	**.51974**	**.50608**	**.49885**	**.00217**	**4.9916**	**.51285**	**.50685**	**.50305**	**.51406**	**2.3830**
Stddev	.00182	.00328	.0028	.00040	.00061	.00071	.00247	.0029	.00040	.00023	.00060	.00238	.0143
%RSD	.36338	.64681	.27591	.07617	.12048	.14330	113.97	.05844	.07769	.04514	.12024	.46325	.60171
#1	.49968	.50522	1.0193	.52002	.50651	.49936	.00392	4.9937	.51257	.50701	.50262	.51238	2.3728
#2	.50226	.50987	1.0153	.51946	.50565	.49835	.00042	4.9896	.51313	.50668	.50348	.51575	2.3931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.881**	**1.0122**	**19.480**	**.49429**	**.51441**	**5.3534**	**.50899**	**1.0228**	**1.0333**	**.03349**	**1.0394**	**1.0235**	**4.9055**
Stddev	.067	.0007	.033	.00080	.00298	.0102	.00025	.0037	.0068	.00217	.0030	.0004	.0672
%RSD	.13007	.07155	.17151	.16095	.57911	.19017	.04900	.35874	.65823	6.4928	.28986	.04333	1.3702
#1	51.929	1.0116	19.456	.49373	.51651	5.3606	.50881	1.0254	1.0381	.03502	1.0415	1.0239	4.8579
#2	51.833	1.0127	19.504	.49485	.51230	5.3463	.50916	1.0202	1.0284	.03195	1.0372	1.0232	4.9530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.498**	**1.0108**	**.50333**	**-.00349**	**.49986**	**1.0328**	**.00916**	**.50369**	**.49158**	**.50252**
Stddev	.144	.0082	.00067	.00089	.00042	.0047	.01537	.00003	.00108	.00057
%RSD	1.3702	.81038	.13408	25.627	.08329	.45660	167.78	.00644	.21914	.11412
#1	10.396	1.0166	.50381	-.00286	.49957	1.0361	.02003	.50367	.49235	.50212
#2	10.599	1.0050	.50285	-.00412	.50015	1.0295	-.00171	.50372	.49082	.50293
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8635.1**	**111200.**	**9102.0**
Stddev	10.9	173.	44.6
%RSD	.12632	.15548	.48996
#1	8642.8	111330.	9133.6
#2	8627.4	111080.	9070.5

Sample Name: CCB Acquired: 11/9/2013 2:18:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00200**	**.00215**	**.00314**	**-.00027**	**.00016**	**.00148**	**.00683**	**.00026**	**-.00015**	**.00010**	**-.00014**
Stddev	.00025	.00014	.00205	.00013	.00001	.00005	.00133	.00230	.00008	.00003	.00002	.00032
%RSD	121.27	7.1139	95.631	4.0148	4.6302	31.322	89.651	33.676	32.817	16.947	23.120	228.53
#1	-.00003	.00190	.00069	.00323	-.00028	.00012	.00242	.00846	.00032	-.00017	.00012	-.00037
#2	-.00038	.00210	.00360	.00305	-.00026	.00019	.00054	.00520	.00020	-.00013	.00008	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**.08361**	**.00067**	**-.00001**	**.00010**	**.00070**	**.05867**	**.00014**	**-.00050**	**.00086**	**.03340**	W **.00473**
Stddev	.00029	.01899	.00349	.00001	.00003	.00020	.01184	.00001	.00015	.00042	.00200	.00035
%RSD	6.5652	22.712	521.62	64.570	25.199	27.824	20.189	3.7855	29.547	48.841	5.9813	7.3582
#1	.00421	.09704	.00313	-.00002	.00012	.00084	.06705	.00014	-.00061	.00056	.03199	.00497
#2	.00462	.07018	-.00180	-.00001	.00008	.00057	.05029	.00014	-.00040	.00115	.03482	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00497**	**.00995**	**.02129**	**-.00009**	**.00008**	**-.00046**	**.00018**	**.00173**	**.01072**	**-.00047**	**.00385**	W **.00338**
Stddev	.00298	.00209	.00448	.00032	.00003	.00038	.00037	.00038	.00849	.00037	.00000	.00065
%RSD	60.029	21.024	21.024	346.77	34.221	82.619	209.74	22.028	79.205	79.766	.08175	19.296
#1	.00708	.00847	.01812	.00013	.00006	-.00073	.00044	.00146	.01672	-.00020	.00385	.00384
#2	.00286	.01143	.02445	-.00032	.00010	-.00019	-.00009	.00200	.00471	-.00073	.00386	.00292
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.00486											.00238
Low Limit	-.00486											-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8582.3**	**111680.**	**9061.1**
Stddev	6.6	136.	4.1
%RSD	.07742	.12197	.04486
#1	8577.6	111780.	9058.2
#2	8587.0	111580.	9063.9

Sample Name: CCVL-2367586 Acquired: 11/9/2013 2:20:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00999**	**.10579**	**.01615**	**.10311**	**.01003**	**.00114**	**.12726**	**.21313**	**.00566**	**.01043**	**.01041**	**.01600**	**.10061**
Stddev	.00015	.00036	.00076	.00034	.00025	.00005	.00098	.00019	.00002	.00021	.00008	.00003	.00240
%RSD	1.5098	.34002	4.6929	.33169	2.4935	4.7657	.77012	.08811	.29857	1.9912	.72556	.18527	2.3837
#1	.00989	.10554	.01561	.10287	.01021	.00118	.12657	.21326	.00567	.01028	.01047	.01598	.10230
#2	.01010	.10605	.01668	.10335	.00985	.00110	.12796	.21300	.00565	.01057	.01036	.01602	.09891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1550**	**.01164**	**.20161**	**.01022**	**.02090**	**1.1390**	**.04156**	**2.9704**	**.00971**	**.02818**	**.00842**	**.01378**	**.48774**
Stddev	.0117	.00250	.00079	.00005	.00041	.0026	.00034	.0162	.00056	.00262	.00016	.00181	.00628
%RSD	.37086	21.497	.39342	.49834	1.9410	.22491	.82993	.54672	5.8083	9.2873	1.9254	13.142	1.2880
#1	3.1467	.00987	.20105	.01018	.02062	1.1372	.04131	2.9589	.00931	.03003	.00853	.01506	.48330
#2	3.1633	.01341	.20217	.01025	.02119	1.1408	.04180	2.9819	.01010	.02633	.00830	.01250	.49219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0438**	**.10369**	**.01023**	**.01460**	**.01031**	**.01648**	F **.08593**	**.00938**	**.02535**	**.01650**
Stddev	.0134	.00104	.00012	.00207	.00006	.00155	.00236	.00022	.00031	.00061
%RSD	1.2880	1.0025	1.1931	14.168	.58284	9.3945	2.7509	2.3336	1.2257	3.6840
#1	1.0343	.10296	.01031	.01314	.01026	.01538	.08760	.00923	.02513	.01693
#2	1.0533	.10443	.01014	.01606	.01035	.01757	.08426	.00954	.02557	.01607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8721.8**	**113190.**	**9189.8**
Stddev	10.1	103.	39.4
%RSD	.11524	.09092	.42922
#1	8714.7	113110.	9162.0
#2	8728.9	113260.	9217.7

Sample Name: mb 280-199789/1-a Acquired: 11/9/2013 2:22:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00384**	**-.00048**	**.00229**	**.00101**	**.00006**	**.00262**	**.03813**	**.00032**	**.00002**
Stddev	.00010	.00002	.00105	.00040	.00016	.00009	.00074	.00004	.00008	.00003
%RSD	66.172	.64785	217.46	17.426	16.345	137.26	28.347	.09311	24.653	179.64
#1	.00021	.00382	-.00122	.00257	.00089	.00000	.00315	.03816	.00038	.00000
#2	.00008	.00386	.00026	.00200	.00112	.00012	.00210	.03811	.00026	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00112**	**.02201**	**.18398**	**.00103**	**.00432**	**.00086**	**.00002**	**.15413**	**.00044**
Stddev	.00009	.00009	.00237	.03510	.00066	.00083	.00005	.00014	.00722	.00043
%RSD	34.910	7.8706	10.766	19.078	64.015	19.229	5.9422	735.10	4.6850	97.636
#1	.00033	.00106	.02368	.20880	.00150	.00373	.00089	.00012	.14902	.00075
#2	.00020	.00119	.02033	.15916	.00057	.00491	.00082	-.00008	.15924	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**.00037**	**.03327**	**-.00196**	**.00345**	**.02412**	**.05162**	**.00350**	**.00012**	**-.00037**
Stddev	.00115	.00084	.00206	.00154	.00457	.00150	.00321	.00055	.00003	.00271
%RSD	30.485	227.39	6.2057	78.602	132.46	6.2266	6.2266	15.704	24.238	726.18
#1	.00295	.00097	.03473	-.00305	.00669	.02306	.04935	.00389	.00014	.00155
#2	.00457	-.00023	.03181	-.00087	.00022	.02518	.05389	.00311	.00010	-.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00108**	**.01257**	**-.00075**	**.00483**	**.00108**
Stddev	.00020	.00075	.05785	.00027	.00017	.00134
%RSD	46.526	69.692	460.11	35.625	3.5205	124.13
#1	.00028	-.00161	.05348	-.00094	.00495	.00013
#2	.00056	-.00055	-.02833	-.00056	.00471	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8877.3**	**115970.**	**9452.8**
Stddev	12.4	29.	21.2
%RSD	.14004	.02520	.22418
#1	8886.1	115950.	9437.9
#2	8868.5	116000.	9467.8

Sample Name: lcs 280-199789/2-a Acquired: 11/9/2013 2:25:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04873**	**1.8494**	**.98941**	**.97999**	**2.0063**	**.04892**	**2.3100**	**48.016**	**.10332**	**.48525**
Stddev	.00090	.0004	.00294	.00352	.0056	.00010	.0012	.155	.00025	.00051
%RSD	1.8493	.02106	.29724	.35948	.27740	.21443	.05274	.32208	.24321	.10470
#1	.04809	1.8491	.98733	.97749	2.0023	.04885	2.3091	47.906	.10314	.48489
#2	.04936	1.8497	.99149	.98248	2.0102	.04900	2.3108	48.125	.10349	.48560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19877**	**.25621**	**.94504**	**51.173**	**1.0012**	**46.964**	**.47979**	**1.0064**	**54.033**	**.48867**
Stddev	.00002	.00072	.00329	.232	.0083	.128	.00096	.0003	.724	.00020
%RSD	.00871	.28135	.34802	.45347	.82705	.27318	.20049	.02812	1.3395	.04190
#1	.19875	.25672	.94271	51.009	.99532	46.874	.47911	1.0066	53.521	.48881
#2	.19878	.25570	.94736	51.337	1.0070	47.055	.48047	1.0062	54.544	.48852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.119**	**.48534**	**.02400**	**.47350**	**1.9632**	F **.61558**	**1.3174**	**1.9675**	**.99598**	**.97614**
Stddev	.007	.00027	.00032	.00560	.0157	.02137	.0457	.0067	.00362	.00082
%RSD	.07025	.05665	1.3523	1.1832	.79825	3.4721	3.4721	.33949	.36383	.08426
#1	10.114	.48514	.02423	.47746	1.9743	.60047	1.2850	1.9722	.99342	.97556
#2	10.124	.48553	.02377	.46954	1.9521	.63070	1.3497	1.9627	.99854	.97672
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98511**	**1.9168**	**2.1025**	**.49733**	**.46845**	**.49969**
Stddev	.00189	.0029	.0554	.00080	.00158	.00269
%RSD	.19188	.14922	2.6333	.16095	.33714	.53839
#1	.98377	1.9188	2.0633	.49790	.46957	.49779
#2	.98644	1.9148	2.1416	.49677	.46733	.50160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8396.2**	**108470.**	**9224.1**
Stddev	11.2	62.	60.3
%RSD	.13354	.05680	.65374
#1	8404.1	108510.	9266.8
#2	8388.3	108430.	9181.5

Sample Name: 280-48909-a-1-a Acquired: 11/9/2013 2:27:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00271**	**42.214**	**.01396**	**.00424**	**.60793**	**.00093**	**-.00245**	**63.354**	**.00052**	**.08312**
Stddev	.00013	.025	.00053	.00006	.00172	.00013	.00184	.134	.00016	.00042
%RSD	4.7786	.05843	3.8095	1.3871	.28295	14.315	74.959	.21176	31.134	.50920
#1	-.00280	42.197	.01359	.00420	.60671	.00084	-.00375	63.259	.00040	.08342
#2	-.00262	42.232	.01434	.00428	.60914	.00103	-.00115	63.449	.00063	.08283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04524**	**.13338**	**230.10**	**5.9382**	**.04457**	**40.144**	**2.7844**	**.00338**	**2.8661**	**.08179**
Stddev	.00011	.00030	.73	.0572	.00140	.084	.0132	.00024	.0014	.00009
%RSD	.23628	.22244	.31898	.96284	3.1362	.21012	.47480	7.1089	.04906	.11099
#1	.04531	.13359	229.58	5.8978	.04358	40.204	2.7751	.00355	2.8671	.08173
#2	.04516	.13317	230.62	5.9786	.04556	40.084	2.7938	.00321	2.8651	.08186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.709**	**.02511**	**.97369**	**-.00045**	**-.00056**	**1.3428**	**2.8736**	**.02336**	**.20950**	**.02203**
Stddev	.003	.00090	.00303	.00118	.00143	.0028	.0059	.00094	.00065	.00317
%RSD	.02775	3.5683	.31148	265.24	256.73	.20656	.20656	4.0204	.31222	14.406
#1	10.711	.02447	.97154	-.00128	-.00156	1.3448	2.8778	.02270	.20904	.02428
#2	10.707	.02574	.97583	.00039	.00045	1.3408	2.8694	.02402	.20997	.01979
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.993**	**-.00452**	F **-.11369**	**.60704**	**.39158**	**.22962**
Stddev	.299	.00055	.01034	.00174	.00052	.00008
%RSD	1.3594	12.140	9.0979	.28648	.13386	.03685
#1	21.782	-.00491	-.12100	.60827	.39195	.22968
#2	22.205	-.00414	-.10637	.60581	.39121	.22956
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9555.3**	**121740.**	**10380.**
Stddev	4.1	151.	92.
%RSD	.04342	.12394	.88337
#1	9558.2	121630.	10445.
#2	9552.3	121840.	10316.

Sample Name: 280-48909-a-1-a Acquired: 11/9/2013 2:29:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**9.7709**	**.00402**	**.00283**	**.13964**	**.00033**	**.00390**	**14.677**	**.00034**	**.02016**
Stddev	.00053	.0288	.00003	.00066	.00109	.00006	.00233	.059	.00015	.00006
%RSD	66.355	.29451	.65339	23.434	.78186	17.008	59.811	.40193	44.664	.30297
#1	-.00118	9.7912	.00404	.00330	.14041	.00029	.00555	14.719	.00044	.02020
#2	-.00043	9.7505	.00400	.00236	.13887	.00037	.00225	14.635	.00023	.02011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.03086**	**53.715**	**1.3306**	**.01078**	**9.3364**	**.65539**	**.00067**	**.62341**	**.01945**
Stddev	.00008	.00048	.289	.0269	.00058	.0127	.00027	.00002	.00064	.00002
%RSD	.72654	1.5502	.53859	2.0205	5.3930	.13562	.04188	2.7427	.10191	.12539
#1	.01056	.03120	53.511	1.3497	.01119	9.3275	.65519	.00068	.62296	.01944
#2	.01067	.03052	53.920	1.3116	.01037	9.3454	.65558	.00066	.62386	.01947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4812**	**.00677**	**.24220**	**-.00142**	**.00136**	**.30440**	**.65142**	**.00625**	**.04848**	**.00817**
Stddev	.0011	.00046	.00083	.00146	.00434	.02534	.05422	.00051	.00025	.00093
%RSD	.04264	6.7950	.34073	102.41	318.61	8.3230	8.3230	8.1214	.52313	11.323
#1	2.4819	.00709	.24279	-.00039	.00443	.32232	.68976	.00661	.04830	.00883
#2	2.4804	.00644	.24162	-.00245	-.00171	.28649	.61309	.00589	.04866	.00752
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0978**	**-.00104**	**-.04254**	**.13958**	**.09760**	**.05311**
Stddev	.0076	.00118	.06048	.00026	.00072	.00084
%RSD	.14998	114.00	142.15	.18985	.73975	1.5757
#1	5.0924	-.00187	-.08531	.13939	.09811	.05252
#2	5.1032	-.00020	.00022	.13977	.09709	.05370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8886.6**	**113960.**	**9435.3**
Stddev	14.3	102.	79.6
%RSD	.16126	.08933	.84414
#1	8876.5	113890.	9378.9
#2	8896.7	114030.	9491.6

Sample Name: 280-48909-a-1-b du Acquired: 11/9/2013 2:32:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**45.061**	**.01454**	**.00227**	**.66755**	**.00108**	**.00789**	**61.216**	**.00049**	**.08316**
Stddev	.00009	.070	.00174	.00030	.00230	.00000	.00109	.107	.00026	.00062
%RSD	3.0820	.15434	11.989	13.087	.34498	.14634	13.780	.17409	53.118	.75056
#1	-.00314	45.111	.01331	.00248	.66918	.00108	.00712	61.141	.00031	.08272
#2	-.00301	45.012	.01577	.00206	.66592	.00109	.00866	61.291	.00067	.08360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05215**	**.13925**	**239.49**	**6.2422**	**.04190**	**39.841**	**2.8351**	**.00302**	**2.8291**	**.07482**
Stddev	.00012	.00001	.57	.0028	.00065	.016	.0025	.00005	.0077	.00003
%RSD	.23639	.00560	.23860	.04537	1.5524	.04026	.08697	1.5003	.27113	.04459
#1	.05206	.13925	239.89	6.2402	.04144	39.830	2.8369	.00305	2.8237	.07480
#2	.05223	.13926	239.09	6.2442	.04236	39.852	2.8334	.00298	2.8346	.07485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.238**	**.02672**	**1.0191**	**-.00682**	**-.00291**	**1.2868**	**2.7537**	**.02500**	**.22311**	**.02945**
Stddev	.024	.00141	.0034	.00053	.00080	.0293	.0627	.00019	.00031	.00166
%RSD	.21719	5.2850	.33451	7.7179	27.433	2.2766	2.2766	.77950	.14026	5.6330
#1	11.221	.02572	1.0167	-.00645	-.00347	1.3075	2.7980	.02486	.22333	.02828
#2	11.256	.02772	1.0215	-.00719	-.00235	1.2661	2.7094	.02514	.22289	.03062
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **22.455**	**-.00262**	F **-.10458**	**.63126**	**.40551**	**.24227**
Stddev	.052	.00171	.06260	.00174	.00083	.00057
%RSD	.22946	65.454	59.859	.27517	.20587	.23511
#1	22.491	-.00141	-.06031	.63003	.40492	.24268
#2	22.418	-.00383	-.14884	.63249	.40610	.24187
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9591.8**	**121600.**	**10373.**
Stddev	13.3	23.	41.
%RSD	.13858	.01913	.39734
#1	9601.2	121580.	10402.
#2	9582.4	121610.	10344.

Sample Name: 280-48909-a-1-c ms Acquired: 11/9/2013 2:34:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03908	71.870	.79030	.78599	2.4419	.04200	F 1.9260	127.08	.08708	.49643
Stddev	.00016	.282	.00033	.00030	.0034	.00013	.0018	.43	.00006	.00046
%RSD	.40248	.39245	.04177	.03875	.13787	.30525	.09548	.33494	.06786	.09191
#1	.03897	71.670	.79053	.78577	2.4396	.04191	1.9273	126.78	.08712	.49675
#2	.03919	72.069	.79006	.78620	2.4443	.04209	1.9247	127.38	.08703	.49610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23793	.37688	276.93	51.719	.91122	95.376	3.9775	.81317	52.421	.50604
Stddev	.00042	.00025	1.63	.348	.00126	.276	.0046	.00143	.438	.00130
%RSD	.17511	.06567	.58904	.67296	.13870	.28943	.11612	.17584	.83630	.25633
#1	.23822	.37706	275.78	51.473	.91033	95.181	3.9742	.81418	52.111	.50695
#2	.23763	.37671	278.08	51.965	.91212	95.571	3.9808	.81216	52.731	.50512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 18.380	.41932	1.0215	.22910	1.5567	3.4967	7.4830	1.3524	1.1442	.86330
Stddev	.026	.00039	.0011	.00184	.0059	.0043	.0093	.0007	.0036	.00519
%RSD	.14219	.09281	.10469	.80173	.37932	.12449	.12449	.05089	.31190	.60150
#1	18.398	.41960	1.0208	.23040	1.5526	3.4998	7.4896	1.3519	1.1417	.86697
#2	18.361	.41905	1.0223	.22780	1.5609	3.4937	7.4764	1.3529	1.1468	.85963
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 26.041	1.5036	1.6077	1.2546	.86160	.71381
Stddev	.130	.0005	.0027	.0007	.00251	.00371
%RSD	.50044	.03119	.17110	.05566	.29154	.52030
#1	25.949	1.5033	1.6057	1.2541	.85982	.71118
#2	26.133	1.5039	1.6096	1.2551	.86338	.71644
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000					
Low Limit	-.02000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	9407.8	119060.	10518.
Stddev	32.8	430.	56.
%RSD	.34912	.36151	.53611
#1	9431.0	119370.	10557.
#2	9384.5	118760.	10478.

Sample Name: 280-48909-a-2-a Acquired: 11/9/2013 2:37:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00305**	**44.941**	**.01498**	**.00228**	**.62572**	**.00098**	**.00042**	**63.912**	**.00057**	**.08144**
Stddev	.00001	.024	.00154	.00025	.00059	.00005	.00182	.092	.00008	.00053
%RSD	.22229	.05401	10.257	11.045	.09370	5.5085	428.25	.14404	13.980	.65282
#1	-.00305	44.923	.01606	.00246	.62530	.00101	-.00086	63.847	.00051	.08182
#2	-.00306	44.958	.01389	.00210	.62613	.00094	.00171	63.977	.00063	.08107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04849**	**.13467**	**226.97**	**6.4738**	**.04656**	**41.379**	**2.6971**	**.00323**	**2.7688**	**.08149**
Stddev	.00028	.00026	.32	.0408	.00026	.127	.0144	.00016	.0062	.00008
%RSD	.57539	.19496	.13997	.63066	.55445	.30589	.53539	5.0774	.22506	.09592
#1	.04869	.13485	226.74	6.4450	.04638	41.290	2.6868	.00335	2.7732	.08154
#2	.04829	.13448	227.19	6.5027	.04675	41.469	2.7073	.00312	2.7644	.08143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.541**	**.02534**	**.90942**	**-.00284**	**-.00195**	**1.0786**	**2.3082**	**.02221**	**.21581**	**.02716**
Stddev	.051	.00036	.00701	.00114	.00106	.0328	.0701	.00190	.00001	.00344
%RSD	.48155	1.4059	.77124	40.354	54.491	3.0382	3.0382	8.5517	.00246	12.656
#1	10.577	.02509	.91438	-.00203	-.00120	1.0554	2.2586	.02355	.21582	.02473
#2	10.505	.02559	.90446	-.00365	-.00270	1.1018	2.3578	.02087	.21581	.02959
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.107**	**-.00334**	F **-.11550**	**.61419**	**.39800**	**.22006**
Stddev	.037	.00003	.03699	.00157	.00170	.00712
%RSD	.17695	.87669	32.030	.25484	.42838	3.2369
#1	21.133	-.00332	-.14166	.61529	.39679	.22509
#2	21.080	-.00336	-.08934	.61308	.39921	.21502
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9435.2**	**120040.**	**10362.**
Stddev	10.4	158.	3.
%RSD	.11040	.13144	.03206
#1	9427.8	119930.	10359.
#2	9442.6	120160.	10364.

Sample Name: 280-48909-a-3-a Acquired: 11/9/2013 2:39:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00265**	**41.055**	**.01327**	**.00312**	**.59504**	**.00099**	**.00293**	**52.356**	**.00041**	**.07222**
Stddev	.00004	.253	.00289	.00018	.00004	.00008	.00206	.258	.00006	.00043
%RSD	1.6887	.61711	21.804	5.8970	.00608	8.2378	70.189	.49222	15.568	.59024
#1	-.00262	41.234	.01123	.00299	.59506	.00094	.00147	52.538	.00045	.07252
#2	-.00268	40.876	.01532	.00325	.59501	.00105	.00438	52.173	.00036	.07192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04593**	**.15325**	**202.40**	**6.3932**	**.04426**	**37.241**	**2.4567**	**.00240**	**2.3765**	**.07736**
Stddev	.00002	.00059	.23	.0073	.00237	.124	.0056	.00008	.0219	.00040
%RSD	.04519	.38234	.11130	.11404	5.3569	.33397	.22949	3.1777	.92175	.51512
#1	.04592	.15284	202.56	6.3880	.04594	37.153	2.4527	.00245	2.3920	.07708
#2	.04595	.15367	202.24	6.3983	.04258	37.329	2.4607	.00234	2.3610	.07764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3840**	**.02539**	**.77905**	**-.00266**	**-.00419**	**1.0617**	**2.2720**	**.02153**	**.20520**	**.02613**
Stddev	.0112	.00064	.00262	.00152	.00090	.0228	.0487	.00016	.00032	.00278
%RSD	.11948	2.5042	.33616	57.241	21.429	2.1443	2.1443	.72674	.15724	10.622
#1	9.3761	.02494	.78091	-.00373	-.00356	1.0456	2.2376	.02142	.20543	.02417
#2	9.3920	.02584	.77720	-.00158	-.00483	1.0778	2.3065	.02165	.20497	.02809
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.488**	**-.00361**	W **-.09183**	**.54775**	**.36172**	**.20387**
Stddev	.185	.00123	.00291	.00401	.00373	.00182
%RSD	.95173	34.104	3.1696	.73130	1.0316	.89495
#1	19.357	-.00448	-.08978	.54491	.35908	.20516
#2	19.619	-.00274	-.09389	.55058	.36435	.20258
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9186.1**	**116730.**	**9860.4**
Stddev	33.5	733.	29.4
%RSD	.36504	.62788	.29776
#1	9209.8	117250.	9839.7
#2	9162.4	116220.	9881.2

Sample Name: 280-48909-a-4-a Acquired: 11/9/2013 2:41:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00330**	**48.222**	**.01486**	**.00172**	**.74301**	**.00111**	**-.00083**	**60.860**	**.00049**	**.08808**
Stddev	.00040	.072	.00176	.00038	.00034	.00011	.00159	.007	.00010	.00015
%RSD	12.129	.14942	11.825	22.264	.04562	10.154	191.90	.01106	19.770	.16532
#1	-.00359	48.171	.01362	.00145	.74277	.00103	.00030	60.855	.00056	.08798
#2	-.00302	48.272	.01611	.00199	.74325	.00119	-.00196	60.865	.00042	.08818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04560**	**.14777**	**250.79**	**6.2566**	**.04217**	**42.247**	**3.1122**	**.00306**	**3.0110**	**.07056**
Stddev	.00011	.00000	.77	.0257	.00087	.062	.0405	.00024	.0044	.00014
%RSD	.24068	.00190	.30631	.41151	2.0539	.14780	1.3027	7.8923	.14544	.20181
#1	.04552	.14776	251.33	6.2748	.04156	42.292	3.1408	.00323	3.0079	.07046
#2	.04567	.14777	250.25	6.2384	.04278	42.203	3.0835	.00288	3.0141	.07066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.135**	**.02665**	**.92972**	**-.00436**	**.00104**	**1.1148**	**2.3856**	**.02652**	**.22156**	**.02729**
Stddev	.029	.00096	.00255	.00371	.00115	.0268	.0573	.00030	.00016	.00158
%RSD	.26367	3.6164	.27444	85.028	110.64	2.4010	2.4010	1.1335	.07207	5.8041
#1	11.155	.02733	.93153	-.00174	.00185	1.1337	2.4261	.02673	.22167	.02841
#2	11.114	.02596	.92792	-.00698	.00023	1.0958	2.3451	.02631	.22144	.02617
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.604**	**-.00451**	F **-.12260**	**.68509**	**.43267**	**.25740**
Stddev	.018	.00005	.01795	.00271	.00107	.00056
%RSD	.07436	1.1189	14.640	.39562	.24665	.21670
#1	23.591	-.00454	-.10991	.68317	.43191	.25779
#2	23.616	-.00447	-.13529	.68701	.43342	.25701
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9408.7**	**119620.**	**10059.**
Stddev	22.4	260.	7.
%RSD	.23800	.21774	.06889
#1	9392.8	119440.	10064.
#2	9424.5	119810.	10055.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 2:44:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**50.187**	**.00325**	**.00607**	**.00037**	**.00006**	**1.0384**	**.01519**	**.00011**	**-.00069**	**-.00016**	**.00884**	**48.521**
Stddev	.00056	.031	.00036	.00009	.00003	.00000	.0023	.00454	.00001	.00031	.00008	.00024	.225
%RSD	16.011	.06095	10.966	1.5032	7.3756	7.7077	.22023	29.861	8.8398	44.363	47.061	2.7592	.46298
#1	.00389	50.166	.00299	.00613	.00035	.00006	1.0400	.01840	.00012	-.00091	-.00011	.00901	48.680
#2	.00309	50.209	.00350	.00600	.00039	.00006	1.0368	.01199	.00010	-.00048	-.00022	.00867	48.362
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00629**	**.00018**	**.08496**	**.00084**	**-.00018**	**262.05**	**-.00010**	**.00328**	**.00274**	**5.1041**	**-.00027**	**-.00305**	**.02096**
Stddev	.01358	.00177	.00058	.00004	.00027	.00	.00034	.00026	.00086	.0176	.00088	.00224	.01299
%RSD	215.98	970.94	.68711	4.8762	149.42	.00169	354.85	7.9832	31.356	.34451	322.99	73.605	61.986
#1	-.01589	.00144	.08455	.00081	-.00037	262.05	.00014	.00347	.00334	5.1166	.00035	-.00146	.03014
#2	.00331	-.00107	.08538	.00087	.00001	262.04	-.00033	.00310	.00213	5.0917	-.00089	-.00464	.01177
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04484**	**-.00039**	**.00045**	**4.8052**	**.00204**	**.00156**	**10.157**	**.00069**	**.00213**	**.02211**
Stddev	.02780	.00158	.00006	.0051	.00029	.00043	.009	.00034	.00005	.00158
%RSD	61.986	399.75	12.579	.10624	13.997	27.891	.08657	49.290	2.4499	7.1289
#1	.06450	.00072	.00049	4.8088	.00184	.00125	10.151	.00045	.00209	.02323
#2	.02519	-.00151	.00041	4.8016	.00224	.00186	10.163	.00093	.00217	.02100
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8391.6**	**105990.**	**8838.6**
Stddev	2.7	42.	17.4
%RSD	.03231	.03943	.19676
#1	8389.7	105960.	8850.9
#2	8393.6	106020.	8826.3

Sample Name: CCV-2357614 Acquired: 11/9/2013 2:46:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49879**	**.50915**	**1.0118**	**.51446**	**.50389**	**.49514**	**.00033**	**4.9761**	**.50989**	**.50614**	**.50133**	**.51305**	**2.3863**
Stddev	.00056	.00024	.0043	.00018	.00069	.00158	.00325	.0019	.00069	.00005	.00024	.00035	.0077
%RSD	.11217	.04777	.42240	.03541	.13772	.31896	993.75	.03741	.13534	.00913	.04836	.06773	.32473
#1	.49839	.50932	1.0088	.51459	.50340	.49402	-.00197	4.9748	.51038	.50617	.50150	.51280	2.3809
#2	.49919	.50898	1.0148	.51434	.50438	.49626	.00263	4.9775	.50940	.50611	.50116	.51329	2.3918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.659**	**1.0035**	**19.537**	**.49649**	**.51041**	**5.2728**	**.50802**	**1.0135**	**1.0316**	**.01190**	**1.0329**	**1.0165**	**4.8892**
Stddev	.119	.0002	.017	.00097	.00150	.0044	.00055	.0043	.0003	.00178	.0009	.0011	.0360
%RSD	.23071	.02106	.08742	.19559	.29475	.08350	.10904	.42710	.02948	14.941	.08780	.11017	.73700
#1	51.744	1.0034	19.549	.49718	.51147	5.2759	.50841	1.0166	1.0314	.01065	1.0322	1.0157	4.8637
#2	51.575	1.0037	19.525	.49580	.50935	5.2697	.50763	1.0105	1.0318	.01316	1.0335	1.0173	4.9147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.463**	**1.0139**	**.50020**	**-.00499**	**.50419**	**1.0295**	**.04274**	**.50433**	**.49488**	**.50453**
Stddev	.077	.0007	.00005	.00001	.00048	.0008	.01889	.00028	.00105	.00155
%RSD	.73700	.06870	.00946	.10279	.09451	.07914	44.210	.05478	.21226	.30801
#1	10.408	1.0134	.50017	-.00500	.50453	1.0289	.02938	.50414	.49414	.50343
#2	10.517	1.0144	.50024	-.00499	.50385	1.0300	.05610	.50453	.49563	.50563
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8596.1**	**109180.**	**8927.2**
Stddev	9.4	553.	51.9
%RSD	.10885	.50652	.58097
#1	8602.7	109580.	8890.5
#2	8589.5	108790.	8963.9

Sample Name: CCB Acquired: 11/9/2013 2:48:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00603**	**-.00196**	**.00216**	**-.00001**	**.00013**	**.00230**	**.00316**	**.00036**	**.00004**	**.00023**	**.00022**
Stddev	.00016	.00152	.00010	.00049	.00003	.00004	.00217	.00156	.00009	.00029	.00010	.00006
%RSD	69.021	25.280	5.0364	22.512	630.07	26.247	94.454	49.484	25.123	707.09	46.247	29.124
#1	.00012	.00711	-.00203	.00251	.00002	.00016	.00383	.00427	.00030	-.00016	.00030	.00027
#2	.00034	.00495	-.00189	.00182	-.00003	.00011	.00076	.00206	.00043	.00025	.00015	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01162**	**.04729**	**.00091**	W **.01670**	F **.00092**	**.00054**	**-.01409**	**-.00006**	**.00051**	**.00075**	**.02091**	F **.00642**
Stddev	.00028	.03219	.00099	.01923	.00111	.00002	.00850	.00025	.00112	.00055	.00127	.00219
%RSD	2.4218	68.067	109.40	115.15	120.61	4.0571	60.323	406.62	219.53	72.976	6.0865	34.117
#1	.01182	.02453	.00161	.00310	.00014	.00052	-.00808	-.00024	-.00028	.00114	.02001	.00487
#2	.01142	.07006	.00021	.03029	.00170	.00055	-.02010	.00011	.00130	.00036	.02181	.00797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01070	.00050							.00628
Low Limit				-.01070	-.00050							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**.02232**	**.04777**	**.00112**	**.00004**	**.00158**	F **.00571**	**-.00046**	**.01010**	**-.00002**	**.00453**	**.00222**
Stddev	.00160	.01604	.03433	.00058	.00006	.00133	.00648	.00056	.01794	.00066	.00020	.00033
%RSD	42.867	71.874	71.874	51.996	169.47	83.988	113.61	121.93	177.63	3457.5	4.4192	14.745
#1	.00260	.03366	.07204	.00153	.00008	.00064	.00112	-.00006	.02279	-.00049	.00439	.00199
#2	.00485	.01098	.02349	.00071	-.00001	.00252	.01029	-.00086	-.00259	.00045	.00467	.00245
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00100					
Low Limit							-.00100					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8537.5**	**109600.**	**8708.6**
Stddev	3.7	120.	79.8
%RSD	.04300	.10946	.91595
#1	8534.9	109680.	8652.2
#2	8540.1	109510.	8765.0

Sample Name: CCVL2367586 Acquired: 11/9/2013 2:51:14 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01002**	**.10863**	**.01396**	**.10171**	**.01006**	**.00115**	**.12575**	**.21817**	**.00542**	**.01049**	**.01056**	**.01599**	**.10943**
Stddev	.00008	.00060	.00225	.00044	.00002	.00006	.00154	.00199	.00007	.00023	.00012	.00055	.00227
%RSD	.76109	.55237	16.115	.43297	.23478	4.8647	1.2223	.91370	1.3439	2.1809	1.1407	3.4583	2.0785
#1	.01007	.10906	.01237	.10202	.01008	.00111	.12466	.21677	.00547	.01033	.01065	.01559	.11104
#2	.00997	.10821	.01556	.10140	.01004	.00119	.12684	.21958	.00537	.01065	.01048	.01638	.10782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1299**	F **.01321**	**.20728**	**.01037**	**.02078**	**1.0447**	**.04213**	**2.9811**	**.01059**	**.01765**	**.00989**	**.01612**	**.50502**
Stddev	.0258	.00219	.00028	.00003	.00028	.0145	.00006	.0070	.00040	.00225	.00013	.00054	.00854
%RSD	.82369	16.593	.13399	.26980	1.3617	1.3845	.15215	.23547	3.7987	12.734	1.3392	3.3617	1.6901
#1	3.1481	.01166	.20747	.01035	.02058	1.0549	.04209	2.9860	.01030	.01924	.00999	.01650	.51105
#2	3.1117	.01476	.20708	.01039	.02098	1.0345	.04218	2.9761	.01087	.01606	.00980	.01573	.49898
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0807**	**.10462**	**.01029**	**.01305**	**.01127**	**.01631**	F **.11505**	**.00973**	**.02538**	**.01726**
Stddev	.0183	.00067	.00012	.00073	.00021	.00054	.00126	.00030	.00062	.00069
%RSD	1.6901	.64318	1.1822	5.5666	1.8571	3.3027	1.0989	3.1193	2.4243	3.9785
#1	1.0937	.10510	.01020	.01254	.01142	.01669	.11416	.00995	.02494	.01775
#2	1.0678	.10415	.01037	.01357	.01112	.01593	.11594	.00952	.02581	.01677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8656.6**	**111050.**	**8929.2**
Stddev	16.4	103.	8.3
%RSD	.18910	.09270	.09272
#1	8668.2	110980.	8923.4
#2	8645.1	111120.	8935.1

Sample Name: 280-48909-a-5-a Acquired: 11/9/2013 2:53:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**44.471**	**.01596**	**.00229**	**.61594**	**.00118**	**.00184**	**61.153**	**.00043**	**.08398**
Stddev	.00001	.033	.00169	.00073	.00025	.00004	.00266	.061	.00030	.00081
%RSD	.35282	.07495	10.587	31.720	.04118	3.7839	144.66	.09906	69.643	.96342
#1	-.00279	44.448	.01476	.00281	.61612	.00122	.00372	61.110	.00022	.08340
#2	-.00277	44.495	.01715	.00178	.61576	.00115	-.00004	61.196	.00064	.08455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04944**	**.13798**	**226.48**	**6.4505**	**.04571**	**42.279**	**2.7905**	**.00270**	**2.6097**	**.09820**
Stddev	.00016	.00051	.49	.0363	.00077	.066	.0164	.00016	.0193	.00021
%RSD	.32374	.36694	.21476	.56293	1.6951	.15640	.58841	6.0278	.73829	.21788
#1	.04932	.13762	226.14	6.4762	.04625	42.233	2.8021	.00282	2.6233	.09805
#2	.04955	.13834	226.83	6.4248	.04516	42.326	2.7789	.00259	2.5961	.09835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.754**	**.02522**	**.92550**	**-.00305**	**.00016**	**1.0328**	**2.2102**	**.02124**	**.22204**	**.02919**
Stddev	.003	.00080	.00223	.00026	.00276	.0143	.0305	.00115	.00021	.00160
%RSD	.02821	3.1806	.24124	8.5338	1733.8	1.3795	1.3795	5.3934	.09342	5.4975
#1	10.752	.02465	.92392	-.00286	-.00179	1.0429	2.2317	.02205	.22219	.03033
#2	10.757	.02578	.92708	-.00323	.00211	1.0227	2.1886	.02043	.22190	.02806
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.579**	**-.00450**	F **-.10867**	**.58788**	**.39969**	**.21755**
Stddev	.245	.00232	.01758	.00025	.00036	.00051
%RSD	1.2489	51.647	16.181	.04233	.09037	.23465
#1	19.752	-.00614	-.12111	.58770	.39994	.21719
#2	19.406	-.00286	-.09624	.58805	.39943	.21791
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9448.9**	**120330.**	**10085.**
Stddev	15.4	121.	15.
%RSD	.16303	.10021	.14725
#1	9438.0	120240.	10096.
#2	9459.8	120410.	10075.

Sample Name: 280-48909-a-6-a Acquired: 11/9/2013 2:55:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**42.083**	**.01376**	**.00214**	**.54491**	**.00098**	**.00416**	**51.828**	**.00051**	**.06254**
Stddev	.00018	.049	.00052	.00018	.00020	.00004	.00228	.154	.00010	.00003
%RSD	9.2132	.11655	3.7529	8.3846	.03647	4.5613	54.802	.29630	18.858	.04945
#1	-.00184	42.117	.01412	.00227	.54505	.00095	.00255	51.937	.00058	.06251
#2	-.00209	42.048	.01339	.00202	.54477	.00101	.00577	51.720	.00044	.06256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04917**	**.11801**	**172.86**	**5.9150**	**.04827**	**32.804**	**2.1762**	**.00209**	**2.7684**	**.07264**
Stddev	.00019	.00041	.67	.0603	.00055	.198	.0062	.00002	.0007	.00028
%RSD	.39575	.34626	.38512	1.0200	1.1486	.60363	.28505	.94943	.02505	.38778
#1	.04930	.11830	173.33	5.8723	.04788	32.944	2.1805	.00211	2.7689	.07284
#2	.04903	.11773	172.39	5.9577	.04866	32.664	2.1718	.00208	2.7679	.07244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3368**	**.02264**	**.69297**	**-.00409**	**-.00079**	**.98026**	**2.0978**	**.01796**	**.18221**	**.02510**
Stddev	.0062	.00096	.00052	.00211	.00237	.04465	.0956	.00043	.00005	.00152
%RSD	.07429	4.2298	.07525	51.489	300.90	4.5553	4.5553	2.3934	.02491	6.0669
#1	8.3412	.02196	.69260	-.00558	.00089	1.0118	2.1653	.01766	.18225	.02402
#2	8.3324	.02332	.69334	-.00260	-.00247	.94869	2.0302	.01827	.18218	.02618
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.361**	**-.00247**	W **-.09002**	**.44156**	**.31759**	**.17146**
Stddev	.124	.00013	.02275	.00051	.00413	.00119
%RSD	.80830	5.1459	25.276	.11641	1.2989	.69141
#1	15.448	-.00256	-.07393	.44192	.32051	.17230
#2	15.273	-.00238	-.10611	.44120	.31468	.17062
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9237.3**	**116830.**	**9819.6**
Stddev	3.2	144.	59.3
%RSD	.03517	.12339	.60381
#1	9239.6	116730.	9777.7
#2	9235.0	116930.	9861.5

Sample Name: 280-48909-a-7-a Acquired: 11/9/2013 2:58:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**43.163**	**.01964**	**.00124**	**.60482**	**.00119**	**.00052**	**58.486**	**.00070**	**.07243**
Stddev	.00012	.213	.00149	.00028	.00202	.00006	.00146	.298	.00003	.00025
%RSD	5.7234	.49250	7.5832	22.514	.33473	5.1599	282.89	.50910	4.6180	.34778
#1	-.00226	43.313	.02069	.00144	.60625	.00114	-.00052	58.697	.00073	.07225
#2	-.00209	43.013	.01859	.00104	.60338	.00123	.00155	58.276	.00068	.07261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**.12029**	**201.07**	**5.5432**	**.04753**	**38.268**	**2.6697**	**.00220**	**2.2937**	**.09180**
Stddev	.00026	.00103	1.41	.0516	.00072	.379	.0078	.00030	.0209	.00012
%RSD	.50870	.85528	.70182	.93057	1.5046	.98925	.29384	13.704	.91076	.13207
#1	.05139	.12101	202.07	5.5797	.04703	38.535	2.6752	.00241	2.3084	.09171
#2	.05176	.11956	200.07	5.5067	.04804	38.000	2.6641	.00199	2.2789	.09189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.9578**	**.02793**	**.67247**	**-.00252**	**-.00241**	**1.1797**	**2.5245**	**.01888**	**.20510**	**.02338**
Stddev	.0031	.00058	.00182	.00374	.00031	.0322	.0689	.00014	.00094	.00002
%RSD	.03487	2.0785	.27000	148.54	13.050	2.7298	2.7298	.74709	.45842	.09112
#1	8.9556	.02752	.67118	.00013	-.00263	1.2024	2.5732	.01878	.20576	.02336
#2	8.9601	.02834	.67375	-.00516	-.00219	1.1569	2.4758	.01898	.20443	.02339
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.888**	**-.00376**	F **-.10144**	**.49780**	**.33865**	**.20210**
Stddev	.043	.00055	.01971	.00647	.00509	.00139
%RSD	.25308	14.484	19.428	1.2988	1.5028	.68809
#1	16.858	-.00338	-.08750	.50237	.34225	.20309
#2	16.919	-.00415	-.11537	.49323	.33505	.20112
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9143.8**	**118200.**	**9804.2**
Stddev	.4	564.	17.4
%RSD	.00492	.47749	.17758
#1	9144.1	117800.	9791.9
#2	9143.5	118600.	9816.5

Sample Name: 280-48909-a-8-a Acquired: 11/9/2013 3:00:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00269**	**51.654**	**.01414**	**.00135**	**.80112**	**.00125**	**.00352**	**75.051**	**.00070**	**.08557**
Stddev	.00004	.059	.00147	.00061	.00011	.00004	.00420	.041	.00023	.00004
%RSD	1.3467	.11436	10.428	45.102	.01399	2.8344	119.26	.05427	33.298	.05013
#1	-.00271	51.612	.01518	.00179	.80120	.00127	.00055	75.022	.00087	.08560
#2	-.00266	51.695	.01310	.00092	.80104	.00122	.00649	75.080	.00054	.08554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07890**	**.13697**	**241.18**	**9.4249**	**.06913**	**47.072**	**3.0928**	**.00343**	**2.5873**	**.10135**
Stddev	.00011	.00047	.03	.0054	.00163	.038	.0137	.00020	.0176	.00039
%RSD	.14143	.34464	.01137	.05739	2.3620	.07980	.44143	5.7463	.67863	.38238
#1	.07883	.13663	241.16	9.4211	.06798	47.099	3.0832	.00357	2.5749	.10163
#2	.07898	.13730	241.20	9.4288	.07029	47.045	3.1025	.00329	2.5998	.10108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.605**	**.02854**	**.88132**	**-.00335**	**-.00110**	**1.0633**	**2.2755**	**.02658**	**.27410**	**.03249**
Stddev	.031	.00026	.00224	.00363	.00190	.0072	.0154	.00074	.00031	.00091
%RSD	.28829	.89474	.25373	108.31	172.95	.67512	.67512	2.7840	.11381	2.7872
#1	10.627	.02872	.87974	-.00078	.00024	1.0582	2.2646	.02606	.27388	.03185
#2	10.584	.02836	.88290	-.00592	-.00244	1.0684	2.2863	.02710	.27432	.03313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.554**	**-.00199**	F **-.13974**	**.66334**	**.44259**	**.21504**
Stddev	.141	.00010	.03445	.00235	.00003	.00679
%RSD	.60045	5.1574	24.650	.35481	.00606	3.1554
#1	23.454	-.00206	-.11538	.66167	.44261	.21024
#2	23.654	-.00192	-.16410	.66500	.44257	.21984
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9252.1**	**116390.**	**9805.2**
Stddev	25.8	220.	10.0
%RSD	.27853	.18937	.10202
#1	9233.9	116550.	9798.1
#2	9270.3	116240.	9812.3

Sample Name: 280-48909-a-9-a Acquired: 11/9/2013 3:03:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00257**	**42.956**	**.01153**	**.00094**	**.62917**	**.00108**	**.00569**	**62.223**	**.00064**	**.07588**
Stddev	.00050	.045	.00023	.00050	.00191	.00004	.00113	.190	.00003	.00004
%RSD	19.452	.10517	1.9692	52.859	.30419	3.5302	19.936	.30544	4.5323	.05675
#1	-.00292	42.924	.01169	.00059	.62782	.00111	.00649	62.089	.00062	.07585
#2	-.00221	42.988	.01137	.00129	.63053	.00105	.00488	62.357	.00066	.07591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04195**	**.12891**	**213.75**	**5.6774**	**.04292**	**35.532**	**2.6612**	**.00242**	**2.7790**	**.06707**
Stddev	.00009	.00010	.47	.0396	.00072	.013	.0167	.00014	.0011	.00002
%RSD	.22437	.07602	.22094	.69774	1.6872	.03612	.62749	5.9432	.03907	.02657
#1	.04188	.12885	213.41	5.6494	.04241	35.541	2.6494	.00232	2.7782	.06708
#2	.04202	.12898	214.08	5.7054	.04344	35.522	2.6730	.00252	2.7798	.06706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3362**	**.02269**	**.84947**	**-.00446**	**-.00182**	**.82269**	**1.7606**	**.02131**	**.21442**	**.02922**
Stddev	.0210	.00023	.00026	.00340	.00019	.00269	.0058	.00039	.00021	.00253
%RSD	.22533	1.0064	.03045	76.146	10.703	.32726	.32726	1.8198	.09667	8.6539
#1	9.3213	.02285	.84929	-.00206	-.00196	.82459	1.7646	.02104	.21427	.02744
#2	9.3511	.02252	.84965	-.00686	-.00168	.82079	1.7565	.02158	.21456	.03101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **20.100**	**-.00448**	F **-.11012**	**.58338**	**.37628**	**.19974**
Stddev	.075	.00032	.00907	.00122	.00070	.00032
%RSD	.37086	7.1969	8.2401	.20837	.18727	.16045
#1	20.048	-.00425	-.11653	.58424	.37678	.19996
#2	20.153	-.00471	-.10370	.58252	.37578	.19951
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9297.7**	**117320.**	**9712.4**
Stddev	26.0	17.	15.7
%RSD	.27996	.01428	.16183
#1	9316.1	117330.	9723.5
#2	9279.3	117310.	9701.3

Sample Name: 280-48909-a-10-a Acquired: 11/9/2013 3:05:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00346**	**44.989**	**.01605**	**.00091**	**.69364**	**.00099**	**.00172**	**60.997**	**.00021**	**.09046**
Stddev	.00010	.071	.00140	.00035	.00046	.00002	.00528	.093	.00009	.00103
%RSD	2.9072	.15834	8.6932	38.481	.06563	1.8875	306.67	.15245	43.256	1.1337
#1	-.00353	45.040	.01704	.00066	.69396	.00101	.00546	61.062	.00015	.08974
#2	-.00339	44.939	.01506	.00116	.69332	.00098	-.00201	60.931	.00028	.09119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05106**	**.14692**	**256.88**	**6.6320**	**.04969**	**44.145**	**3.0380**	**.00351**	**2.7986**	**.08640**
Stddev	.00001	.00038	.50	.0559	.00383	.008	.0059	.00009	.0058	.00035
%RSD	.02383	.26159	.19517	.84276	7.7161	.01915	.19565	2.6394	.20632	.40232
#1	.05105	.14665	257.23	6.6715	.05241	44.150	3.0338	.00345	2.8027	.08615
#2	.05107	.14720	256.52	6.5925	.04698	44.139	3.0422	.00358	2.7945	.08665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.317**	**.02656**	**1.0322**	**-.00560**	**-.00305**	**1.0825**	**2.3166**	**.02694**	**.21686**	**.02945**
Stddev	.003	.00094	.0053	.00030	.00529	.0355	.0760	.00130	.00038	.00071
%RSD	.02229	3.5315	.51724	5.3833	173.62	3.2823	3.2823	4.8424	.17691	2.4049
#1	11.315	.02722	1.0284	-.00581	.00069	1.0574	2.2628	.02787	.21659	.02996
#2	11.318	.02590	1.0359	-.00539	-.00679	1.1076	2.3704	.02602	.21713	.02895
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **24.921**	**-.00348**	F **-.13554**	**.73011**	**.44788**	**.24115**
Stddev	.387	.00049	.01342	.00102	.00043	.00013
%RSD	1.5537	14.116	9.9005	.13969	.09514	.05325
#1	25.195	-.00314	-.12605	.72939	.44818	.24124
#2	24.647	-.00383	-.14503	.73083	.44758	.24106
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9417.8**	**118520.**	**9966.7**
Stddev	1.5	206.	72.4
%RSD	.01611	.17384	.72609
#1	9418.8	118370.	9915.6
#2	9416.7	118660.	10018.

Sample Name: 280-48909-a-11-a Acquired: 11/9/2013 3:08:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00260**	**41.986**	**.01142**	**.00162**	**.64414**	**.00098**	**.00618**	**57.175**	**.00043**	**.07652**
Stddev	.00051	.217	.00036	.00054	.00195	.00001	.00215	.195	.00022	.00058
%RSD	19.440	.51630	3.1779	33.593	.30347	.56819	34.794	.34091	51.318	.75602
#1	-.00224	42.140	.01168	.00201	.64552	.00098	.00466	57.313	.00059	.07693
#2	-.00296	41.833	.01116	.00124	.64276	.00098	.00770	57.037	.00028	.07612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04856**	**.12422**	**200.96**	**5.6944**	**.04362**	**36.188**	**2.6347**	**.00261**	**2.6746**	**.07848**
Stddev	.00015	.00031	.63	.0155	.00022	.124	.0008	.00041	.0197	.00029
%RSD	.31297	.24929	.31213	.27222	.51265	.34248	.02955	15.770	.73476	.36930
#1	.04867	.12400	201.40	5.7053	.04346	36.276	2.6352	.00290	2.6607	.07869
#2	.04845	.12444	200.51	5.6834	.04378	36.101	2.6341	.00232	2.6885	.07828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2181**	**.02231**	**.81514**	**-.00471**	**.00010**	**.97950**	**2.0961**	**.02081**	**.21049**	**.02753**
Stddev	.0326	.00110	.00084	.00106	.00193	.02117	.0453	.00035	.00068	.00013
%RSD	.35317	4.9146	.10283	22.548	1994.8	2.1608	2.1608	1.6641	.32324	.47527
#1	9.2411	.02308	.81455	-.00396	.00146	.96453	2.0641	.02056	.21097	.02762
#2	9.1950	.02153	.81574	-.00547	-.00127	.99447	2.1282	.02105	.21000	.02744
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.491**	**-.00366**	W **-.09622**	**.55572**	**.35976**	**.20403**
Stddev	.041	.00027	.00597	.00022	.00107	.00099
%RSD	.21073	7.4036	6.2047	.03979	.29650	.48367
#1	19.462	-.00385	-.10044	.55587	.36051	.20473
#2	19.520	-.00346	-.09200	.55556	.35900	.20334
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9181.8**	**116050.**	**9618.0**
Stddev	17.9	463.	40.5
%RSD	.19539	.39928	.42058
#1	9169.2	115720.	9589.3
#2	9194.5	116380.	9646.6

Sample Name: 280-48909-a-12-a Acquired: 11/9/2013 3:10:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00296**	**39.405**	**.01498**	**.00339**	**.62501**	**.00085**	**.00284**	**57.662**	**.00047**	**.08253**
Stddev	.00029	.116	.00159	.00011	.00133	.00003	.00420	.129	.00028	.00107
%RSD	9.7518	.29364	10.621	3.3259	.21205	3.4702	147.79	.22424	59.069	1.2963
#1	-.00275	39.487	.01386	.00347	.62595	.00087	.00581	57.753	.00067	.08178
#2	-.00316	39.323	.01611	.00331	.62407	.00083	-.00013	57.570	.00027	.08329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04419**	**.13072**	**229.88**	**4.8878**	**.03603**	**38.568**	**2.7389**	**.00270**	**2.3022**	**.08506**
Stddev	.00032	.00005	.02	.0258	.00186	.084	.0034	.00012	.0108	.00037
%RSD	.72561	.04039	.00730	.52828	5.1599	.21672	.12439	4.3830	.46735	.43287
#1	.04397	.13075	229.87	4.9061	.03735	38.627	2.7365	.00261	2.3098	.08480
#2	.04442	.13068	229.90	4.8695	.03472	38.509	2.7413	.00278	2.2945	.08532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.511**	**.02259**	**1.0068**	**-.00557**	**-.00209**	**1.1730**	**2.5102**	**.02476**	**.21223**	**.02611**
Stddev	.004	.00015	.0018	.00017	.00124	.0344	.0737	.00118	.00007	.00242
%RSD	.04080	.66875	.17969	3.0535	59.289	2.9357	2.9357	4.7788	.03369	9.2537
#1	10.514	.02269	1.0055	-.00545	-.00122	1.1974	2.5623	.02559	.21218	.02440
#2	10.508	.02248	1.0081	-.00569	-.00297	1.1487	2.4581	.02392	.21228	.02782
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.076**	**-.00371**	W **-.08217**	**.66655**	**.39476**	**.22125**
Stddev	.434	.00000	.03520	.00116	.00045	.00052
%RSD	1.8823	.13103	42.842	.17344	.11278	.23647
#1	23.383	-.00371	-.05728	.66737	.39507	.22162
#2	22.769	-.00372	-.10706	.66574	.39444	.22088
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9341.9**	**118450.**	**9928.3**
Stddev	32.7	711.	86.3
%RSD	.34993	.59986	.86899
#1	9318.8	117940.	9867.3
#2	9365.0	118950.	9989.3

Sample Name: 280-48909-a-13-a Acquired: 11/9/2013 3:13:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**43.214**	**.01300**	**.00094**	**.62725**	**.00101**	**.00334**	**61.290**	**.00048**	**.08657**
Stddev	.00094	.082	.00301	.00000	.00048	.00007	.00223	.035	.00005	.00048
%RSD	34.711	.18935	23.147	.23997	.07731	7.1336	66.631	.05698	10.253	.55274
#1	-.00336	43.156	.01087	.00094	.62690	.00106	.00492	61.265	.00044	.08623
#2	-.00204	43.272	.01513	.00094	.62759	.00096	.00177	61.315	.00051	.08691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04976**	**.14106**	**245.16**	**5.8922**	**.04504**	**40.891**	**2.8895**	**.00299**	**2.7951**	**.07580**
Stddev	.00027	.00120	.29	.0413	.00083	.056	.0535	.00020	.0078	.00035
%RSD	.53593	.85189	.11663	.70000	1.8391	.13738	1.8528	6.7655	.27856	.46153
#1	.04994	.14191	244.95	5.8630	.04563	40.931	2.8517	.00284	2.7895	.07555
#2	.04957	.14021	245.36	5.9214	.04446	40.851	2.9274	.00313	2.8006	.07605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.551**	**.02501**	**.98718**	**-.00507**	W **-.00594**	**1.1805**	**2.5262**	**.02372**	**.22975**	**.02970**
Stddev	.018	.00086	.00115	.00072	.00191	.0118	.0254	.00049	.00039	.00075
%RSD	.16663	3.4295	.11698	14.300	32.071	1.0035	1.0035	2.0587	.17156	2.5213
#1	10.564	.02440	.98799	-.00455	-.00729	1.1889	2.5441	.02407	.22947	.03023
#2	10.539	.02561	.98636	-.00558	-.00459	1.1721	2.5083	.02338	.23003	.02917
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.536**	**-.00342**	F **-.13187**	**.68582**	**.43179**	**.23067**
Stddev	.150	.00088	.01128	.00110	.00179	.00014
%RSD	.63693	25.747	8.5565	.16047	.41541	.06098
#1	23.642	-.00279	-.12390	.68504	.43052	.23077
#2	23.430	-.00404	-.13985	.68659	.43306	.23057
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9427.7**	**120000.**	**10023.**
Stddev	24.7	489.	14.
%RSD	.26174	.40748	.13961
#1	9445.2	120350.	10033.
#2	9410.3	119660.	10013.

Sample Name: 280-48909-a-14-a Acquired: 11/9/2013 3:15:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**2.0422**	**.00379**	**.00241**	**.01994**	**.00072**	**-.00250**	**.37444**	**.00026**	**.00175**
Stddev	.00053	.0000	.00279	.00082	.00014	.00001	.00092	.00189	.00004	.00019
%RSD	165.86	.00148	73.494	34.036	.72504	1.7365	36.636	.50580	14.126	10.800
#1	-.00069	2.0422	.00182	.00299	.02004	.00073	-.00185	.37578	.00024	.00162
#2	.00005	2.0422	.00576	.00183	.01984	.00071	-.00315	.37310	.00029	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.00434**	**7.2090**	**.67001**	**.00359**	**.34137**	**.06631**	**.00056**	**.04291**	**.00252**
Stddev	.00001	.00011	.0000	.05760	.00195	.00206	.00028	.00004	.00593	.00031
%RSD	.29290	2.5890	.00052	8.5966	54.375	.60408	.42376	6.5735	13.823	12.106
#1	.00203	.00426	7.2090	.71074	.00221	.33991	.06612	.00053	.03872	.00230
#2	.00203	.00442	7.2091	.62928	.00498	.34282	.06651	.00058	.04711	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07894**	**.00563**	**.04697**	**-.00015**	**.00479**	**.88404**	**1.8918**	**.00260**	**.00488**	**.01423**
Stddev	.00078	.00194	.00340	.00082	.00085	.02988	.0639	.00139	.00010	.00143
%RSD	.98512	34.526	7.2449	564.29	17.674	3.3796	3.3796	53.545	2.0464	10.027
#1	.07949	.00425	.04456	.00044	.00419	.90516	1.9370	.00161	.00495	.01524
#2	.07839	.00700	.04937	-.00073	.00539	.86291	1.8466	.00358	.00481	.01322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10532**	**-.00046**	**-.04841**	**.00679**	**.01565**	**.01185**
Stddev	.00025	.00044	.00765	.00044	.00027	.00061
%RSD	.23633	94.904	15.808	6.5247	1.7364	5.1344
#1	.10514	-.00015	-.05382	.00710	.01546	.01228
#2	.10549	-.00077	-.04300	.00647	.01585	.01142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8733.9**	**111910.**	**8828.6**
Stddev	11.1	85.	31.3
%RSD	.12726	.07558	.35455
#1	8726.1	111970.	8850.7
#2	8741.8	111850.	8806.5

Sample Name: CCVH-2357613 Acquired: 11/9/2013 3:17:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**50.059**	**.00390**	**.00464**	**.00030**	**.00010**	**1.0235**	**.00989**	**-.00004**	**-.00051**	**-.00010**	**.00882**	**47.889**
Stddev	.00002	.127	.00062	.00001	.00007	.00001	.0064	.00053	.00006	.00009	.00010	.00053	.092
%RSD	.60910	.25452	15.990	.12761	22.541	9.4107	.62502	5.3442	144.02	17.987	102.49	6.0540	.19203
#1	.00378	49.969	.00346	.00463	.00025	.00011	1.0190	.01027	-.00009	-.00044	-.00017	.00920	47.954
#2	.00375	50.150	.00434	.00464	.00035	.00009	1.0280	.00952	.00000	-.00057	-.00003	.00845	47.824
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01948**	**.00553**	**.08030**	**.00054**	**-.00037**	**260.76**	**.00014**	**.00188**	**.00181**	**5.0464**	**.00084**	**-.00168**	**.01708**
Stddev	.07227	.00036	.00000	.00006	.00006	.17	.00001	.00092	.00116	.0183	.00423	.00234	.00273
%RSD	370.97	6.5550	.00337	11.123	16.928	.06676	3.7333	49.128	63.897	.36250	506.34	139.18	15.975
#1	.07058	.00578	.08030	.00049	-.00033	260.64	.00014	.00254	.00099	5.0335	-.00216	-.00334	.01515
#2	-.03162	.00527	.08031	.00058	-.00042	260.89	.00014	.00123	.00263	5.0593	.00383	-.00003	.01901
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03655**	**-.00052**	**.00034**	**4.8313**	**-.00276**	**.00183**	**10.169**	**.00054**	**.00215**	**.01969**
Stddev	.00584	.00060	.00002	.0044	.00027	.00083	.033	.00007	.00014	.00383
%RSD	15.975	116.96	5.8965	.09027	9.7106	45.276	.32241	12.415	6.4015	19.467
#1	.03242	-.00009	.00033	4.8282	-.00257	.00242	10.192	.00059	.00206	.02240
#2	.04068	-.00094	.00035	4.8344	-.00295	.00125	10.146	.00049	.00225	.01698
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8287.1**	**103220.**	**8607.6**
Stddev	32.9	197.	52.6
%RSD	.39741	.19096	.61122
#1	8263.9	103080.	8644.8
#2	8310.4	103360.	8570.4

Sample Name: CCV-2357614 Acquired: 11/9/2013 3:20:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50116**	**.50890**	**1.0096**	**.51148**	**.50528**	**.49295**	**.00382**	**4.9714**	**.50832**	**.50468**	**.50042**	**.51387**	**2.3796**
Stddev	.00025	.00080	.0055	.00035	.00032	.00049	.00222	.0130	.00156	.00051	.00113	.00018	.0102
%RSD	.04991	.15802	.53975	.06823	.06296	.09886	58.019	.26085	.30691	.10057	.22546	.03589	.42994
#1	.50098	.50833	1.0134	.51173	.50551	.49330	.00539	4.9805	.50943	.50504	.50122	.51400	2.3868
#2	.50134	.50947	1.0057	.51123	.50506	.49261	.00225	4.9622	.50722	.50432	.49962	.51374	2.3724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.790**	**1.0068**	**19.644**	**.49832**	**.50963**	**5.2648**	**.50764**	**1.0076**	**1.0326**	**.00825**	**1.0289**	**1.0151**	**4.8685**
Stddev	.052	.0032	.009	.00044	.00354	.0058	.00033	.0072	.0090	.00167	.0069	.0014	.0002
%RSD	.10036	.32099	.04614	.08916	.69466	.10993	.06571	.71548	.86833	20.270	.67290	.13756	.00460
#1	51.827	1.0045	19.638	.49801	.51213	5.2689	.50787	1.0127	1.0389	.00943	1.0338	1.0142	4.8686
#2	51.754	1.0091	19.650	.49864	.50712	5.2607	.50740	1.0025	1.0263	.00706	1.0240	1.0161	4.8683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.419**	**1.0156**	**.50087**	**-.00253**	**.50371**	**1.0285**	**.01314**	**.50513**	**.49569**	**.50465**
Stddev	.000	.0026	.00080	.00016	.00050	.0020	.02849	.00091	.00043	.00082
%RSD	.00460	.25447	.15924	6.1295	.09972	.19330	216.78	.18043	.08681	.16318
#1	10.419	1.0174	.50144	-.00242	.50406	1.0299	-.00700	.50577	.49599	.50523
#2	10.418	1.0138	.50031	-.00264	.50335	1.0271	.03328	.50448	.49538	.50406
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8504.1**	**108090.**	**8699.3**
Stddev	.7	217.	.4
%RSD	.00871	.20115	.00489
#1	8503.6	108250.	8699.6
#2	8504.6	107940.	8699.0

Sample Name: CCB Acquired: 11/9/2013 3:22:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00260**	**.00167**	**.00130**	**-.00025**	**.00017**	**-.00063**	**.00314**	**.00041**	**-.00012**	**.00021**	**.00017**
Stddev	.00004	.00030	.00003	.00040	.00036	.00000	.00102	.00136	.00009	.00009	.00016	.00037
%RSD	8.6226	11.354	2.0537	30.939	141.97	1.9263	163.25	43.224	22.363	70.871	73.725	210.67
#1	.00044	.00239	.00164	.00159	-.00051	.00017	-.00135	.00218	.00035	-.00018	.00032	.00043
#2	.00039	.00281	.00169	.00102	.00000	.00018	.00010	.00410	.00048	-.00006	.00010	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.00692**	**.00123**	**.00092**	**.00011**	**.00053**	**-.02832**	**-.00034**	**.00063**	**.00049**	**.01692**	W **.00610**
Stddev	.00022	.03651	.00366	.00067	.00006	.00015	.00547	.00017	.00115	.00013	.00144	.00148
%RSD	2.6218	527.39	298.15	73.507	53.173	29.051	19.305	49.048	181.47	26.522	8.5153	24.236
#1	.00851	.03274	-.00136	.00044	.00007	.00042	-.03219	-.00045	-.00018	.00058	.01793	.00715
#2	.00820	-.01890	.00381	.00139	.00015	.00063	-.02446	-.00022	.00145	.00040	.01590	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	**-.00029**	**-.00062**	**.00001**	**-.00001**	**-.00002**	F **.00103**	**.00027**	**.03897**	**-.00046**	**.00428**	**.00151**
Stddev	.00372	.00774	.01656	.00058	.00002	.00076	.00005	.00015	.00060	.00033	.00041	.00040
%RSD	120.85	2670.8	2670.8	4059.1	181.46	4957.3	4.5013	56.376	1.5390	71.631	9.6630	26.175
#1	.00570	.00518	.01109	-.00039	-.00002	-.00055	.00107	.00038	.03939	-.00070	.00457	.00123
#2	.00045	-.00576	-.01233	.00042	.00000	.00052	.00100	.00016	.03854	-.00023	.00399	.00179
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00100					
Low Limit							-.00100					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8524.1**	**109970.**	**8659.1**
Stddev	25.1	93.	2.6
%RSD	.29419	.08437	.02979
#1	8541.8	109900.	8661.0
#2	8506.3	110030.	8657.3

Sample Name: CCVL2367586 Acquired: 11/9/2013 3:24:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01029**	**.10672**	**.01469**	**.10084**	**.01020**	**.00109**	**.12704**	**.21580**	**.00543**	**.01032**	**.01051**	**.01572**	**.10299**
Stddev	.00009	.00038	.00212	.00041	.00004	.00002	.00071	.00234	.00023	.00004	.00013	.00000	.00534
%RSD	.90973	.35156	14.406	.40913	.39667	1.5341	.55573	1.0859	4.2792	.39107	1.2514	.01848	5.1895
#1	.01035	.10646	.01619	.10055	.01017	.00110	.12654	.21745	.00526	.01029	.01041	.01572	.09921
#2	.01022	.10699	.01319	.10113	.01023	.00108	.12754	.21414	.00559	.01035	.01060	.01571	.10677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1810**	**.01243**	**.20656**	**.01039**	**.02070**	**1.0489**	**.04193**	**2.9594**	**.01020**	**.01669**	**.00780**	**.01755**	**.49276**
Stddev	.0275	.00065	.00168	.00003	.00006	.0021	.00055	.0107	.00042	.00086	.00041	.00182	.01926
%RSD	.86516	5.2562	.81142	.29089	.27189	.19639	1.3019	.36072	4.0943	5.1472	5.2350	10.359	3.9078
#1	3.2005	.01289	.20537	.01041	.02066	1.0503	.04155	2.9518	.00991	.01730	.00808	.01626	.50637
#2	3.1616	.01196	.20774	.01036	.02074	1.0474	.04232	2.9669	.01050	.01608	.00751	.01883	.47914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0545**	**.10522**	**.01036**	**.01318**	**.01093**	**.01618**	F **.13934**	**.00963**	**.02586**	**.01709**
Stddev	.0412	.00014	.00012	.00025	.00004	.00027	.01438	.00008	.00049	.00092
%RSD	3.9078	.13401	1.1870	1.8895	.34828	1.6778	10.322	.84206	1.8784	5.4100
#1	1.0836	.10512	.01045	.01300	.01090	.01637	.14951	.00957	.02551	.01644
#2	1.0254	.10532	.01027	.01336	.01095	.01599	.12917	.00968	.02620	.01775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8671.9**	**110730.**	**8777.4**
Stddev	11.0	294.	24.4
%RSD	.12712	.26574	.27828
#1	8679.7	110940.	8760.1
#2	8664.1	110530.	8794.7

Sample Name: mb 280-199790/1-a Acquired: 11/9/2013 3:27:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00946**	**.00235**	**.00113**	**.00025**	**.00014**	**.00240**	**.07256**	**.00057**	**-.00032**
Stddev	.00080	.00362	.00203	.00010	.00047	.00004	.00048	.00312	.00018	.00003
%RSD	642.07	38.305	86.188	8.4444	183.45	29.001	20.072	4.3037	31.128	11.017
#1	-.00069	.00690	.00379	.00106	-.00008	.00011	.00206	.07477	.00045	-.00034
#2	.00044	.01202	.00092	.00120	.00058	.00017	.00275	.07035	.00070	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00097**	**.01803**	**.09472**	**.00317**	**.01069**	**.00037**	**.00031**	**.01360**	**.00041**
Stddev	.00003	.00036	.00244	.00867	.00186	.00227	.00000	.00010	.00440	.00007
%RSD	11.664	37.029	13.539	9.1565	58.886	21.237	1.0407	31.303	32.341	18.182
#1	.00027	.00071	.01976	.08859	.00185	.01230	.00037	.00024	.01671	.00036
#2	.00032	.00122	.01631	.10085	.00448	.00909	.00038	.00038	.01049	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00477**	**.00089**	W **.05377**	**-.00087**	**.00256**	**.02499**	**.05348**	**.00383**	**.00060**	**-.00106**
Stddev	.00161	.00066	.00047	.00211	.00255	.01405	.03006	.00028	.00002	.00175
%RSD	33.742	74.141	.87747	243.69	99.605	56.206	56.206	7.3426	2.9750	164.87
#1	.00363	.00135	.05411	.00063	.00436	.01506	.03223	.00402	.00062	.00018
#2	.00590	.00042	.05344	-.00236	.00076	.03492	.07473	.00363	.00059	-.00230
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**-.00138**	**.04348**	**-.00023**	**.00524**	**.00290**
Stddev	.00015	.00021	.05844	.00056	.00017	.00058
%RSD	14.659	14.890	134.39	246.00	3.1776	19.902
#1	.00089	-.00153	.00216	.00017	.00536	.00331
#2	.00110	-.00124	.08480	-.00063	.00512	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8800.6**	**113560.**	**9100.1**
Stddev	15.1	183.	34.2
%RSD	.17196	.16143	.37586
#1	8789.9	113690.	9075.9
#2	8811.3	113430.	9124.3

Sample Name: lcs 280-199790/2-a Acquired: 11/9/2013 3:29:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04796**	**1.8620**	**.97316**	**.95706**	**1.9884**	**.04815**	**2.2503**	**47.555**	**.10188**	**.48327**
Stddev	.00015	.0004	.00145	.00268	.0098	.00049	.0060	.286	.00007	.00047
%RSD	.31915	.02030	.14859	.27980	.49284	1.0145	.26519	.60104	.06712	.09792
#1	.04785	1.8617	.97419	.95516	1.9815	.04780	2.2460	47.353	.10192	.48361
#2	.04807	1.8622	.97214	.95895	1.9954	.04849	2.2545	47.757	.10183	.48294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19621**	**.25312**	**.91943**	**50.952**	**.98462**	**46.917**	**.47903**	**.98844**	**53.082**	**.48503**
Stddev	.00025	.00082	.00414	.340	.00249	.019	.00027	.00038	.207	.00079
%RSD	.12501	.32582	.44985	.66700	.25272	.04075	.05704	.03797	.38945	.16242
#1	.19604	.25254	.91650	50.712	.98286	46.931	.47923	.98870	52.936	.48447
#2	.19639	.25371	.92235	51.192	.98638	46.903	.47884	.98817	53.228	.48558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9141**	**.48390**	**.01129**	**.46702**	**1.9172**	F **.56553**	**1.2102**	**1.9373**	**.98376**	**.96564**
Stddev	.0119	.00175	.00090	.00419	.0005	.01101	.0236	.0083	.00572	.00209
%RSD	.12022	.36082	7.9381	.89642	.02402	1.9462	1.9462	.42585	.58153	.21598
#1	9.9057	.48514	.01193	.46998	1.9175	.55775	1.1936	1.9431	.97972	.96416
#2	9.9226	.48267	.01066	.46406	1.9169	.57331	1.2269	1.9315	.98781	.96711
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98086**	**1.8958**	**2.1192**	**.49817**	**.47181**	**.49560**
Stddev	.00054	.0089	.0479	.00052	.00005	.00413
%RSD	.05517	.47149	2.2590	.10511	.00972	.83313
#1	.98124	1.9022	2.1530	.49854	.47185	.49268
#2	.98047	1.8895	2.0853	.49780	.47178	.49852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8328.4**	**106220.**	**8834.7**
Stddev	9.7	111.	30.4
%RSD	.11691	.10483	.34407
#1	8335.2	106140.	8856.2
#2	8321.5	106300.	8813.2

Sample Name: 280-48913-a-1-a Acquired: 11/9/2013 3:31:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00285**	**80.162**	**.03676**	**.00576**	**.48869**	**.00232**	**.00253**	**46.099**	**.00039**	**.09432**
Stddev	.00011	.414	.00089	.00001	.00206	.00009	.00676	.279	.00002	.00013
%RSD	3.9940	.51586	2.4172	.13381	.42136	4.0664	266.91	.60421	5.7637	.13549
#1	-.00277	79.869	.03613	.00577	.48723	.00225	.00732	45.902	.00041	.09441
#2	-.00293	80.454	.03739	.00576	.49015	.00239	-.00225	46.296	.00038	.09423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10494**	**.17153**	**248.86**	**12.191**	**.08627**	**54.191**	**3.4675**	**.00298**	**2.5711**	**.15209**
Stddev	.00004	.00003	.43	.024	.00102	.147	.0496	.00018	.0158	.00058
%RSD	.03985	.01637	.17450	.19957	1.1789	.27131	1.4313	6.1574	.61290	.37885
#1	.10497	.17155	248.55	12.174	.08555	54.295	3.5026	.00285	2.5599	.15168
#2	.10491	.17151	249.16	12.208	.08699	54.087	3.4324	.00311	2.5822	.15250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3350**	**.05011**	**.51787**	**-.00037**	**-.00096**	**2.1141**	**4.5241**	**.02468**	**.24167**	**.03543**
Stddev	.0148	.00033	.00273	.00164	.00394	.0388	.0830	.00081	.00082	.00198
%RSD	.17717	.65421	.52746	447.58	412.61	1.8341	1.8341	3.2708	.33948	5.5755
#1	8.3454	.05034	.51594	.00079	.00183	2.0867	4.4655	.02525	.24109	.03682
#2	8.3245	.04988	.51980	-.00153	-.00374	2.1415	4.5828	.02411	.24225	.03403
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **20.830**	**-.00406**	F **-.13181**	**.66021**	**.47099**	**.26758**
Stddev	.049	.00102	.00086	.00257	.00285	.00630
%RSD	.23565	25.131	.65582	.38879	.60589	2.3539
#1	20.795	-.00478	-.13120	.66202	.47300	.26313
#2	20.864	-.00334	-.13242	.65839	.46897	.27204
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9271.6**	**117030.**	**9792.9**
Stddev	3.5	779.	59.4
%RSD	.03730	.66573	.60638
#1	9269.1	116480.	9834.9
#2	9274.0	117580.	9750.9

Sample Name: 280-48913-a-1-aSD@5 Acquired: 11/9/2013 3:33:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**18.423**	**.00657**	**.00221**	**.11141**	**.00066**	**.00298**	**10.605**	**.00055**	**.02258**
Stddev	.00001	.100	.00129	.00020	.00010	.00004	.00052	.016	.00001	.00003
%RSD	.96952	.54338	19.713	9.2138	.09397	5.4793	17.284	.14737	1.4136	.13372
#1	-.00090	18.352	.00565	.00207	.11134	.00069	.00335	10.594	.00056	.02256
#2	-.00092	18.494	.00748	.00235	.11149	.00064	.00262	10.616	.00055	.02260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02450**	**.03927**	**57.763**	**2.7927**	**.01883**	**12.367**	**.80726**	**.00081**	**.54332**	**.03566**
Stddev	.00009	.00014	.366	.0346	.00189	.020	.00074	.00009	.00339	.00082
%RSD	.36606	.35354	.63442	1.2402	10.025	.16237	.09149	10.584	.62370	2.2930
#1	.02456	.03937	57.504	2.7682	.01750	12.353	.80674	.00075	.54092	.03624
#2	.02444	.03918	58.022	2.8172	.02017	12.382	.80778	.00087	.54571	.03508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9163**	**.01195**	**.13079**	**.00113**	**.00021**	**.50714**	**1.0853**	**.00683**	**.05579**	**.00822**
Stddev	.0008	.00005	.00172	.00121	.00201	.02179	.0466	.00060	.00044	.00194
%RSD	.04080	.39252	1.3176	107.44	970.15	4.2961	4.2961	8.7759	.79144	23.630
#1	1.9169	.01199	.12957	.00027	-.00121	.52255	1.1183	.00726	.05548	.00685
#2	1.9158	.01192	.13201	.00198	.00163	.49174	1.0523	.00641	.05610	.00959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7747**	**.00103**	**-.01104**	**.15019**	**.11530**	**.06162**
Stddev	.0025	.00052	.01628	.00067	.00001	.00019
%RSD	.05227	51.014	147.49	.44879	.00766	.30463
#1	4.7729	.00139	-.02255	.14971	.11529	.06175
#2	4.7764	.00066	.00047	.15066	.11530	.06148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8737.5**	**111680.**	**8947.5**
Stddev	1.0	437.	56.0
%RSD	.01120	.39107	.62557
#1	8738.2	111990.	8907.9
#2	8736.8	111370.	8987.1

Sample Name: 280-48913-a-1-b du Acquired: 11/9/2013 3:36:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00289**	**71.903**	**.02739**	**.00410**	**.42907**	**.00202**	**.00888**	**42.995**	**.00052**	**.08424**
Stddev	.00024	.090	.00040	.00012	.00025	.00012	.00122	.144	.00002	.00048
%RSD	8.2407	.12486	1.4539	2.9224	.05729	5.7632	13.722	.33423	3.2262	.57296
#1	-.00306	71.840	.02767	.00402	.42890	.00194	.00801	42.893	.00051	.08458
#2	-.00272	71.967	.02711	.00419	.42925	.00210	.00974	43.097	.00054	.08390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09377**	**.15950**	**232.19**	**10.588**	**.07438**	**47.883**	**3.1590**	**.00312**	**2.4724**	**.12819**
Stddev	.00006	.00027	.58	.045	.00026	.241	.0254	.00018	.0020	.00013
%RSD	.05935	.17046	.24833	.42744	.34633	.50407	.80543	5.8509	.08145	.09999
#1	.09381	.15931	231.78	10.556	.07456	48.054	3.1770	.00325	2.4738	.12828
#2	.09373	.15970	232.60	10.620	.07419	47.713	3.1410	.00299	2.4710	.12810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.9898**	**.04410**	**.52397**	**-.00292**	**-.00466**	**1.8141**	**3.8822**	**.02480**	**.22245**	**.03238**
Stddev	.0158	.00010	.00561	.00092	.00090	.0017	.0036	.00041	.00019	.00059
%RSD	.19806	.23640	1.0712	31.348	19.267	.09328	.09328	1.6462	.08472	1.8285
#1	7.9787	.04417	.52794	-.00227	-.00530	1.8129	3.8797	.02451	.22232	.03280
#2	8.0010	.04403	.52000	-.00357	-.00403	1.8153	3.8848	.02509	.22258	.03196
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.255**	**-.00350**	F **-.10993**	**.65231**	**.42781**	**.25138**
Stddev	.094	.00290	.01698	.00153	.00319	.00049
%RSD	.44356	82.830	15.444	.23438	.74638	.19539
#1	21.188	-.00555	-.09792	.65339	.43007	.25173
#2	21.321	-.00145	-.12193	.65123	.42555	.25103
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9271.5**	**117010.**	**9718.4**
Stddev	1.0	70.	52.4
%RSD	.01106	.05972	.53916
#1	9272.2	117060.	9755.5
#2	9270.7	116960.	9681.4

Sample Name: 280-48913-a-1-c ms Acquired: 11/9/2013 3:38:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04036**	**104.62**	**.81586**	**.79570**	**2.2747**	**.04407**	F **1.9502**	**101.76**	**.08856**	**.49913**
Stddev	.00036	.27	.00085	.00052	.0006	.00001	.0018	.30	.00004	.00135
%RSD	.89925	.25718	.10378	.06510	.02538	.03244	.09340	.29074	.04136	.27128
#1	.04062	104.43	.81646	.79534	2.2743	.04406	1.9489	101.55	.08858	.49818
#2	.04010	104.81	.81526	.79607	2.2751	.04408	1.9515	101.97	.08853	.50009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28229**	**.39396**	**257.34**	**58.920**	**.96537**	**99.393**	**4.1737**	**.82412**	**52.482**	**.54695**
Stddev	.00005	.00083	.42	.138	.00145	1.068	.0345	.00024	.325	.00107
%RSD	.01751	.21116	.16179	.23463	.15057	1.0749	.82648	.02969	.61921	.19568
#1	.28225	.39455	257.05	58.822	.96434	98.638	4.1981	.82395	52.712	.54620
#2	.28232	.39337	257.63	59.018	.96640	100.15	4.1493	.82429	52.252	.54771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.153**	**.44727**	**.48476**	**.20597**	**1.5909**	**3.9840**	**8.5259**	**1.3627**	**1.1628**	**.88754**
Stddev	.024	.00077	.00309	.00223	.0006	.0229	.0489	.0004	.0001	.00071
%RSD	.15984	.17267	.63694	1.0816	.03876	.57374	.57374	.03199	.01154	.07964
#1	15.136	.44782	.48258	.20754	1.5914	3.9679	8.4913	1.3630	1.1627	.88704
#2	15.170	.44673	.48695	.20439	1.5905	4.0002	8.5604	1.3624	1.1629	.88804
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.904**	**1.5421**	**1.6703**	**1.1399**	**.88021**	**.71891**
Stddev	.143	.0062	.0163	.0013	.00323	.00214
%RSD	.65259	.39952	.97838	.11418	.36671	.29828
#1	22.005	1.5465	1.6588	1.1409	.87793	.71739
#2	21.803	1.5377	1.6819	1.1390	.88249	.72042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9121.0**	**115220.**	**9960.7**
Stddev	1.0	339.	29.1
%RSD	.01149	.29457	.29183
#1	9121.7	115460.	9981.3
#2	9120.2	114980.	9940.2

Sample Name: CCVH-2357613 Acquired: 11/9/2013 3:41:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**49.997**	**.00226**	**.00622**	**.00029**	**.00005**	**1.0335**	**.02026**	**-.00012**	**-.00062**	**-.00009**	**.00882**	**48.457**
Stddev	.00005	.056	.00221	.00029	.00039	.00005	.0071	.00382	.00007	.00010	.00003	.00030	.099
%RSD	1.4202	.11142	97.652	4.7095	134.93	100.12	.68988	18.853	58.626	16.385	28.437	3.4091	.20516
#1	.00371	49.957	.00383	.00601	.00001	.00002	1.0385	.02296	-.00007	-.00055	-.00007	.00903	48.528
#2	.00378	50.036	.00070	.00643	.00057	.00009	1.0284	.01756	-.00016	-.00069	-.00011	.00861	48.387
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06640**	**.00259**	**.09033**	**.00098**	**.00000**	**262.50**	**-.00023**	**.00225**	**.00136**	**5.0866**	**.00416**	**.00119**	**.02609**
Stddev	.02623	.00033	.00118	.00001	.00006	.38	.00012	.00081	.00067	.0108	.00124	.00048	.00770
%RSD	39.499	12.679	1.3102	.67084	1343.8	.14442	50.984	36.197	49.606	.21261	29.734	40.135	29.500
#1	.04785	.00282	.09117	.00099	-.00004	262.77	-.00015	.00167	.00088	5.0942	.00503	.00153	.03153
#2	.08494	.00236	.08950	.00098	.00005	262.24	-.00031	.00282	.00183	5.0789	.00328	.00085	.02064
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05582**	**.00035**	**.00059**	**4.8050**	**.00160**	**.00195**	**10.070**	**.00056**	**.00228**	**.02410**
Stddev	.01647	.00051	.00005	.0036	.00035	.00051	.002	.00084	.00033	.00464
%RSD	29.500	146.09	8.8847	.07524	21.627	26.258	.02340	148.42	14.422	19.261
#1	.06747	.00072	.00055	4.8075	.00185	.00231	10.072	-.00003	.00204	.02081
#2	.04418	-.00001	.00063	4.8024	.00136	.00159	10.068	.00115	.00251	.02738
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8408.1**	**106060.**	**8795.0**
Stddev	4.6	45.	1.9
%RSD	.05415	.04212	.02175
#1	8404.9	106030.	8796.4
#2	8411.3	106090.	8793.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 3:43:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49661**	**.50923**	**1.0035**	**.50811**	**.50602**	**.49106**	**.00309**	**4.9513**	**.50514**	**.50335**	**.49728**	**.50950**	**2.3766**
Stddev	.00076	.00050	.0003	.00066	.00025	.00025	.00030	.0088	.00004	.00044	.00023	.00112	.0022
%RSD	.15394	.09896	.02489	.12954	.04938	.05071	9.7306	.17732	.00788	.08806	.04576	.21963	.09078
#1	.49715	.50888	1.0033	.50764	.50619	.49088	.00330	4.9575	.50517	.50367	.49712	.50871	2.3751
#2	.49607	.50959	1.0036	.50857	.50584	.49124	.00287	4.9451	.50511	.50304	.49744	.51030	2.3781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.539**	**1.0017**	**19.445**	**.49448**	**.50538**	**5.2518**	**.50415**	**1.0062**	**1.0212**	**.00845**	**1.0260**	**1.0099**	**4.8205**
Stddev	.040	.0007	.050	.00006	.00125	.0297	.00041	.0030	.0003	.00017	.0010	.0042	.0197
%RSD	.07840	.07154	.25570	.01198	.24764	.56551	.08211	.29813	.02836	2.0269	.09457	.41442	.40845
#1	51.568	1.0012	19.480	.49452	.50627	5.2728	.50386	1.0041	1.0214	.00857	1.0267	1.0128	4.8066
#2	51.510	1.0022	19.409	.49444	.50450	5.2308	.50444	1.0083	1.0210	.00832	1.0253	1.0069	4.8345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.316**	**1.0053**	**.50142**	**-.00344**	**.50162**	**1.0268**	**.02103**	**.50125**	**.49424**	**.50730**
Stddev	.042	.0016	.00009	.00074	.00017	.0052	.01046	.00035	.00093	.00449
%RSD	.40845	.16129	.01856	21.482	.03374	.50514	49.707	.06918	.18779	.88540
#1	10.286	1.0065	.50136	-.00396	.50150	1.0305	.01364	.50100	.49358	.50412
#2	10.346	1.0042	.50149	-.00292	.50174	1.0232	.02843	.50150	.49489	.51048
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8645.1**	**109830.**	**9011.5**
Stddev	16.7	124.	43.2
%RSD	.19259	.11275	.47954
#1	8656.9	109740.	8980.9
#2	8633.3	109910.	9042.0

Sample Name: CCB Acquired: 11/9/2013 3:45:39 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00350**	**.00008**	**.00157**	**-.00040**	**.00010**	**.00276**	**.00344**	**.00038**	**-.00006**	**.00013**	**.00003**
Stddev	.00086	.00032	.00058	.00069	.00019	.00002	.00195	.00253	.00028	.00014	.00008	.00016
%RSD	527.93	9.0098	738.54	44.000	47.307	14.571	70.684	73.629	74.137	215.96	60.328	636.55
#1	.00077	.00372	.00049	.00108	-.00054	.00012	.00414	.00522	.00058	.00003	.00007	-.00009
#2	-.00044	.00328	-.00033	.00205	-.00027	.00009	.00138	.00165	.00018	-.00016	.00018	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.05022**	**.00209**	**.00450**	**.00010**	**.00027**	**-.02741**	**.00000**	**.00061**	**.00136**	**.01317**	W **.00451**
Stddev	.00048	.02331	.00247	.00168	.00000	.00020	.01285	.00003	.00008	.00021	.00135	.00017
%RSD	5.7549	46.415	118.37	37.272	4.3436	73.891	46.874	1310.7	12.666	15.074	10.236	3.7197
#1	.00875	.03374	.00034	.00331	.00011	.00041	-.01833	.00003	.00056	.00151	.01222	.00463
#2	.00807	.06670	.00384	.00568	.00010	.00013	-.03650	-.00002	.00067	.00122	.01412	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.01181**	**.02528**	**.00021**	**.00024**	**.00046**	W **.00069**	**.00011**	**.02101**	**-.00039**	**.00409**	**.00173**
Stddev	.00124	.00798	.01708	.00022	.00011	.00159	.00018	.00030	.00078	.00031	.00045	.00162
%RSD	57.701	67.569	67.569	106.10	46.355	346.65	26.009	276.68	3.7024	79.840	10.961	93.937
#1	.00303	.00617	.01320	.00037	.00032	.00159	.00057	.00032	.02156	-.00017	.00378	.00287
#2	.00127	.01745	.03735	.00005	.00016	-.00067	.00082	-.00010	.02046	-.00060	.00441	.00058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00060					
Low Limit							-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8577.8**	**110780.**	**8806.7**
Stddev	3.8	40.	5.5
%RSD	.04451	.03642	.06199
#1	8575.1	110810.	8810.5
#2	8580.5	110750.	8802.8

Sample Name: CCVL2367586 Acquired: 11/9/2013 3:47:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00983**	**.10762**	**.01542**	**.10105**	**.01018**	**.00108**	**.12472**	**.21293**	**.00535**	**.01032**	**.01051**	**.01554**	**.10904**
Stddev	.00057	.00068	.00218	.00079	.00036	.00004	.00411	.00437	.00004	.00014	.00019	.00025	.00197
%RSD	5.7971	.63362	14.109	.78324	3.5281	3.4616	3.2934	2.0515	.76505	1.3518	1.8412	1.6118	1.8029
#1	.01024	.10713	.01388	.10161	.00993	.00105	.12762	.20984	.00538	.01042	.01065	.01572	.10765
#2	.00943	.10810	.01696	.10049	.01044	.00111	.12181	.21602	.00532	.01022	.01037	.01537	.11043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1825**	**.01299**	**.20524**	**.01034**	**.02089**	**1.0631**	**.04198**	**2.9621**	**.01049**	**.01357**	**.00950**	**.01593**	**.48434**
Stddev	.0121	.00234	.00048	.00012	.00022	.0170	.00002	.0004	.00023	.00033	.00101	.00083	.00166
%RSD	.38155	18.020	.23200	1.2070	1.0552	1.6039	.05500	.01316	2.2116	2.4264	10.678	5.1960	.34300
#1	3.1739	.01464	.20490	.01043	.02073	1.0752	.04196	2.9624	.01065	.01334	.00878	.01651	.48551
#2	3.1911	.01133	.20557	.01025	.02104	1.0511	.04199	2.9618	.01032	.01381	.01021	.01534	.48316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0365**	**.10417**	**.01036**	**.01368**	**.01086**	**.01473**	F **.09049**	**.00960**	**.02496**	**.01799**
Stddev	.0036	.00100	.00000	.00063	.00017	.00074	.01906	.00025	.00027	.00134
%RSD	.34300	.96113	.01683	4.5875	1.5463	5.0507	21.062	2.5548	1.0933	7.4485
#1	1.0390	.10488	.01036	.01323	.01097	.01526	.07701	.00977	.02515	.01704
#2	1.0340	.10347	.01036	.01412	.01074	.01420	.10396	.00942	.02477	.01894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8697.3**	**113080.**	**8965.3**
Stddev	6.0	477.	36.7
%RSD	.06884	.42196	.40899
#1	8701.6	112740.	8991.2
#2	8693.1	113420.	8939.4

Sample Name: 280-48913-a-2-a Acquired: 11/9/2013 3:50:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**77.918**	**.02413**	**.01781**	**.69219**	**.00248**	**.00295**	**34.867**	**.00104**	**.06447**
Stddev	.00031	.020	.00353	.00065	.00069	.00004	.00096	.085	.00007	.00017
%RSD	16.475	.02597	14.609	3.6669	.09999	1.4207	32.381	.24306	6.5454	.25873
#1	-.00207	77.904	.02662	.01735	.69170	.00250	.00228	34.807	.00099	.06459
#2	-.00164	77.932	.02164	.01827	.69268	.00245	.00363	34.927	.00108	.06435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10240**	**.12214**	**165.50**	**15.924**	**.07326**	**35.819**	**2.8711**	**.00167**	**1.6304**	**.09952**
Stddev	.00032	.00052	.48	.011	.00169	.154	.0309	.00034	.0106	.00011
%RSD	.30780	.42639	.28780	.06650	2.3106	.42869	1.0778	20.307	.65042	.11455
#1	.10218	.12177	165.17	15.917	.07446	35.927	2.8930	.00143	1.6379	.09944
#2	.10262	.12251	165.84	15.932	.07207	35.710	2.8492	.00191	1.6229	.09960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1127**	**.04946**	**.35719**	**-.00060**	**-.00112**	**2.3312**	**4.9887**	**.01256**	**.22392**	**.04314**
Stddev	.0085	.00065	.00217	.00408	.00454	.0236	.0504	.00111	.00024	.00292
%RSD	.13976	1.3178	.60808	677.69	403.92	1.0112	1.0112	8.8388	.10877	6.7691
#1	6.1066	.04900	.35566	.00228	-.00434	2.3478	5.0244	.01177	.22410	.04520
#2	6.1187	.04992	.35873	-.00349	.00209	2.3145	4.9530	.01334	.22375	.04107
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6808**	**-.00259**	F **-.12907**	**.37094**	**.36613**	**.16545**
Stddev	.0132	.00001	.00220	.00042	.00018	.00027
%RSD	.13580	.19917	1.7065	.11360	.05041	.16061
#1	9.6900	-.00259	-.12751	.37064	.36600	.16526
#2	9.6715	-.00258	-.13063	.37123	.36626	.16564
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9134.1**	**114680.**	**9625.0**
Stddev	12.3	1259.	80.5
%RSD	.13436	1.0976	.83643
#1	9125.4	113790.	9681.9
#2	9142.8	115570.	9568.1

Sample Name: 280-48913-a-3-a Acquired: 11/9/2013 3:52:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**70.258**	**.02783**	**.00830**	**.45951**	**.00204**	**.00871**	**54.115**	**.00092**	**.07910**
Stddev	.00001	.068	.00239	.00027	.00033	.00001	.00252	.069	.00007	.00034
%RSD	.58906	.09656	8.5875	3.2055	.07156	.25105	28.937	.12750	7.3969	.43506
#1	-.00248	70.210	.02614	.00849	.45928	.00204	.01049	54.066	.00087	.07935
#2	-.00245	70.306	.02952	.00811	.45975	.00204	.00692	54.164	.00097	.07886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08673**	**.17122**	**204.67**	**12.240**	**.07042**	**44.998**	**2.8674**	**.00257**	**3.9430**	**.12889**
Stddev	.00005	.00137	.28	.055	.00089	.054	.0251	.00025	.0082	.00016
%RSD	.05560	.79736	.13912	.44646	1.2619	.11964	.87638	9.8827	.20857	.12134
#1	.08676	.17025	204.87	12.201	.07104	45.036	2.8852	.00275	3.9488	.12900
#2	.08670	.17218	204.46	12.278	.06979	44.960	2.8496	.00239	3.9372	.12878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.0807**	**.04559**	**.85423**	**-.00330**	**-.00241**	**2.2421**	**4.7980**	**.02033**	**.26897**	**.03376**
Stddev	.0283	.00013	.00272	.00114	.00105	.0056	.0120	.00045	.00040	.00089
%RSD	.35029	.28105	.31880	34.443	43.589	.24914	.24914	2.2160	.14997	2.6248
#1	8.1007	.04550	.85616	-.00250	-.00167	2.2381	4.7896	.02001	.26868	.03438
#2	8.0607	.04568	.85231	-.00410	-.00316	2.2460	4.8065	.02065	.26925	.03313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.728**	**-.00205**	F **-.10343**	**.55731**	**.41042**	**.20615**
Stddev	.105	.00033	.01763	.00207	.00048	.00159
%RSD	.62991	15.877	17.044	.37132	.11736	.76991
#1	16.654	-.00182	-.11589	.55878	.41076	.20503
#2	16.803	-.00228	-.09096	.55585	.41008	.20727
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9237.9**	**117140.**	**9819.1**
Stddev	15.1	505.	17.3
%RSD	.16361	.43099	.17599
#1	9227.2	116780.	9831.3
#2	9248.6	117500.	9806.8

Sample Name: 280-48913-a-4-a Acquired: 11/9/2013 3:55:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00234**	**91.817**	**.03362**	**.01324**	**.73104**	**.00282**	**.00356**	**89.951**	**.00111**	**.08193**
Stddev	.00008	.253	.00084	.00029	.00168	.00004	.00470	.324	.00002	.00076
%RSD	3.3697	.27559	2.5046	2.1893	.22938	1.4431	131.91	.35986	1.9671	.92170
#1	-.00228	91.639	.03422	.01303	.72986	.00285	.00689	89.722	.00112	.08140
#2	-.00239	91.996	.03303	.01344	.73223	.00279	.00024	90.180	.00109	.08246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16829**	**.18269**	**218.96**	**17.206**	**.09670**	**49.043**	**3.4786**	**.00262**	**2.3559**	**.12887**
Stddev	.00076	.00089	.43	.074	.00090	.211	.0117	.00009	.0052	.00050
%RSD	.44869	.48730	.19799	.42826	.92733	.43023	.33482	3.4864	.22141	.38899
#1	.16883	.18206	218.65	17.153	.09606	48.894	3.4703	.00256	2.3522	.12923
#2	.16776	.18332	219.26	17.258	.09733	49.192	3.4868	.00269	2.3595	.12852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3204**	**.06719**	**.80337**	**-.00256**	**-.00267**	**2.3987**	**5.1333**	**.01724**	**.32541**	**.04171**
Stddev	.0128	.00078	.00398	.00088	.00135	.0448	.0959	.00109	.00100	.00027
%RSD	.15423	1.1648	.49580	34.480	50.592	1.8681	1.8681	6.2989	.30785	.63660
#1	8.3294	.06663	.80619	-.00319	-.00172	2.3670	5.0655	.01801	.32470	.04152
#2	8.3113	.06774	.80055	-.00194	-.00363	2.4304	5.2011	.01647	.32611	.04190
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.688**	**-.00372**	F **-.10781**	**.51189**	**.57830**	**.20537**
Stddev	.295	.00012	.06484	.00223	.00082	.00094
%RSD	2.1578	3.1156	60.143	.43507	.14261	.45883
#1	13.897	-.00364	-.15366	.51032	.57772	.20604
#2	13.479	-.00381	-.06196	.51347	.57888	.20471
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9190.9**	**114900.**	**9709.6**
Stddev	19.2	1.	21.3
%RSD	.20837	.00061	.21940
#1	9204.4	114900.	9724.6
#2	9177.3	114900.	9694.5

Sample Name: 280-48913-a-5-a Acquired: 11/9/2013 3:57:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**101.44**	**.03391**	**.01792**	**.98434**	**.00323**	**-.00193**	**60.632**	**.00147**	**.07574**
Stddev	.00059	.14	.00192	.00033	.00125	.00007	.00228	.050	.00002	.00040
%RSD	43.973	.14289	5.6691	1.8331	.12693	2.2279	118.47	.08194	1.2230	.52368
#1	-.00175	101.54	.03255	.01769	.98522	.00318	-.00031	60.667	.00148	.07546
#2	-.00092	101.33	.03527	.01815	.98346	.00328	-.00354	60.597	.00145	.07603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29013**	**.19638**	**190.41**	**21.563**	**.09810**	**47.643**	**3.3713**	**.00245**	**1.9984**	**.14528**
Stddev	.00101	.00114	.44	.021	.00305	.112	.0534	.00018	.0020	.00053
%RSD	.34659	.58144	.22920	.09910	3.1051	.23455	1.5842	7.3270	.10037	.36386
#1	.28942	.19557	190.72	21.578	.10026	47.564	3.3335	.00257	1.9970	.14490
#2	.29085	.19718	190.10	21.548	.09595	47.722	3.4090	.00232	1.9998	.14565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7147**	**.08317**	**.75324**	**-.00102**	**.00295**	**2.1229**	**4.5431**	**.01391**	**.36404**	**.04293**
Stddev	.0004	.00020	.00791	.00151	.00461	.0448	.0958	.00010	.00043	.00144
%RSD	.00606	.24590	1.0501	147.20	156.18	2.1092	2.1092	.73766	.11714	3.3564
#1	6.7144	.08302	.74765	.00004	.00621	2.0913	4.4753	.01398	.36434	.04192
#2	6.7150	.08331	.75884	-.00209	-.00031	2.1546	4.6108	.01384	.36374	.04395
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4586**	**-.00329**	F **-.14222**	**.38324**	**.83327**	**.16599**
Stddev	.0240	.00214	.03527	.00060	.00112	.00148
%RSD	.25392	64.966	24.798	.15546	.13406	.89394
#1	9.4416	-.00480	-.11728	.38366	.83406	.16704
#2	9.4756	-.00178	-.16716	.38282	.83248	.16494
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9134.8**	**114330.**	**9746.7**
Stddev	13.6	179.	63.9
%RSD	.14876	.15668	.65573
#1	9125.2	114200.	9701.5
#2	9144.4	114450.	9791.9

Sample Name: 280-48913-a-6-a Acquired: 11/9/2013 3:59:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**27.451**	**.01964**	**.00747**	**.42815**	**.00139**	**-.01181**	**16.016**	**.00131**	**.03374**
Stddev	.00063	.001	.00054	.00081	.00097	.00004	.00307	.017	.00019	.00012
%RSD	105.75	.00445	2.7619	10.807	.22704	3.1418	26.009	.10692	14.606	.36057
#1	-.00015	27.452	.02003	.00804	.42746	.00142	-.01398	16.028	.00118	.03366
#2	-.00105	27.450	.01926	.00690	.42884	.00136	-.00964	16.004	.00145	.03383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61592**	**.10105**	**105.62**	**5.0203**	**.02449**	**10.493**	**1.8346**	**.00589**	**.45431**	**.05264**
Stddev	.00021	.00047	.28	.0443	.00069	.021	.0006	.00004	.00536	.00048
%RSD	.03403	.46939	.26648	.88157	2.8091	.20109	.03274	.64479	1.1808	.90804
#1	.61607	.10072	105.42	5.0516	.02400	10.478	1.8342	.00586	.45051	.05231
#2	.61577	.10139	105.81	4.9890	.02497	10.508	1.8350	.00591	.45810	.05298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3350**	**.08946**	**.83521**	**-.00061**	**-.00032**	**2.4623**	**5.2693**	**.00842**	**.12078**	**.01937**
Stddev	.0121	.00005	.00363	.00096	.00190	.0932	.1995	.00037	.00033	.00007
%RSD	.36277	.05622	.43487	158.52	592.17	3.7856	3.7856	4.4069	.27355	.38492
#1	3.3264	.08943	.83264	-.00129	.00102	2.5282	5.4103	.00868	.12055	.01932
#2	3.3436	.08950	.83778	.00007	-.00166	2.3964	5.1282	.00816	.12102	.01943
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6481**	**-.00213**	W **-.07350**	**.11150**	**2.2230**	**.03770**
Stddev	.0022	.00117	.03882	.00021	.0015	.00148
%RSD	.08276	55.172	52.814	.18991	.06814	3.9155
#1	2.6465	-.00296	-.10095	.11135	2.2241	.03665
#2	2.6496	-.00130	-.04605	.11165	2.2219	.03874
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9195.8**	**117000.**	**9638.2**
Stddev	8.7	117.	23.3
%RSD	.09412	.09961	.24156
#1	9189.6	117080.	9654.7
#2	9201.9	116920.	9621.8

Sample Name: 280-48913-a-7-a Acquired: 11/9/2013 4:01:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**32.045**	**.01670**	**.01230**	**.38509**	**.00123**	**-.00820**	**21.854**	**.00119**	**.02776**
Stddev	.00010	.078	.00229	.00016	.00015	.00000	.00129	.054	.00007	.00019
%RSD	11.572	.24392	13.724	1.2639	.03847	.07538	15.765	.24715	5.5192	.66656
#1	-.00093	31.990	.01832	.01219	.38499	.00123	-.00729	21.816	.00124	.02789
#2	-.00079	32.100	.01508	.01241	.38520	.00123	-.00912	21.893	.00114	.02763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21122**	**.08692**	**87.407**	**6.6437**	**.02879**	**14.213**	**1.4918**	**.00301**	**1.0171**	**.06855**
Stddev	.00078	.00064	.473	.0113	.00056	.025	.0021	.00013	.0109	.00044
%RSD	.37129	.73132	.54109	.16984	1.9380	.17392	.13960	4.2818	1.0686	.64035
#1	.21178	.08647	87.073	6.6357	.02918	14.231	1.4903	.00292	1.0095	.06886
#2	.21067	.08737	87.742	6.6516	.02839	14.196	1.4932	.00310	1.0248	.06824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2240**	**.08135**	**1.0115**	**.00101**	**-.00016**	**1.9570**	**4.1880**	**.00678**	**.13008**	**.01726**
Stddev	.0040	.00012	.0004	.00112	.00180	.0329	.0703	.00021	.00009	.00200
%RSD	.12243	.14835	.03991	111.14	1099.8	1.6794	1.6794	3.0364	.07171	11.574
#1	3.2268	.08127	1.0118	.00180	.00111	1.9338	4.1383	.00692	.13002	.01867
#2	3.2212	.08144	1.0113	.00022	-.00144	1.9803	4.2378	.00663	.13015	.01584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2976**	**-.00151**	W **-.05887**	**.16412**	**1.5417**	**.04410**
Stddev	.0002	.00173	.00475	.00024	.0065	.00024
%RSD	.00520	114.37	8.0632	.14826	.42174	.53728
#1	3.2977	-.00029	-.06222	.16429	1.5371	.04393
#2	3.2975	-.00274	-.05551	.16395	1.5463	.04427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9030.4**	**114740.**	**9518.1**
Stddev	9.6	256.	34.1
%RSD	.10640	.22281	.35831
#1	9023.6	114920.	9493.9
#2	9037.2	114550.	9542.2

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:04:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**50.249**	**.00276**	**.00438**	**.00008**	**.00006**	**1.0449**	**.01028**	**.00005**	**-.00059**	**.00002**	**.00877**	**48.070**
Stddev	.00044	.094	.00090	.00025	.00003	.00007	.0026	.00048	.00012	.00025	.00004	.00013	.117
%RSD	11.294	.18659	32.780	5.8074	37.617	111.50	.24415	4.6475	241.32	41.770	196.61	1.4800	.24434
#1	.00359	50.315	.00212	.00420	.00006	.00011	1.0467	.01062	.00013	-.00042	-.00001	.00886	48.153
#2	.00422	50.183	.00339	.00456	.00010	.00001	1.0431	.00994	-.00003	-.00077	.00005	.00868	47.987
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00915**	**.00193**	**.08503**	**.00073**	**-.00015**	**263.74**	**-.00001**	**.00264**	**.00149**	**5.1169**	**.00076**	**-.00295**	**.01216**
Stddev	.00567	.00223	.00150	.00007	.00023	.29	.00011	.00002	.00058	.0029	.00176	.00032	.00358
%RSD	61.921	115.51	1.7613	9.4146	147.93	.10884	1502.8	.92012	39.115	.05631	232.59	10.927	29.456
#1	.00514	.00351	.08608	.00078	-.00031	263.94	-.00009	.00262	.00107	5.1189	-.00049	-.00272	.00962
#2	.01316	.00035	.08397	.00068	.00001	263.54	.00007	.00265	.00190	5.1148	.00200	-.00318	.01469
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02602**	**-.00060**	**.00041**	**4.8534**	**-.00435**	**.00143**	**10.203**	**.00042**	**.00254**	**.02275**
Stddev	.00766	.00005	.00001	.0015	.00005	.00018	.043	.00021	.00022	.00110
%RSD	29.456	7.9802	3.1337	.03070	1.0389	12.280	.42324	50.099	8.5207	4.8500
#1	.02060	-.00057	.00040	4.8524	-.00438	.00130	10.173	.00027	.00239	.02353
#2	.03143	-.00063	.00041	4.8545	-.00431	.00155	10.234	.00056	.00270	.02197
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8394.6**	**105540.**	**8817.4**
Stddev	22.3	162.	48.4
%RSD	.26522	.15314	.54883
#1	8378.8	105650.	8783.2
#2	8410.3	105430.	8851.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:06:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50087**	**.50766**	**1.0119**	**.51217**	**.50401**	**.49361**	**.00223**	**4.9759**	**.50977**	**.50425**	**.50127**	**.51369**	**2.3628**
Stddev	.00013	.00079	.0031	.00072	.00106	.00035	.00156	.0015	.00094	.00047	.00113	.00061	.0140
%RSD	.02499	.15555	.30842	.14146	.21033	.07119	69.845	.03075	.18399	.09298	.22465	.11778	.59082
#1	.50078	.50822	1.0096	.51166	.50326	.49336	.00113	4.9748	.50911	.50391	.50207	.51326	2.3529
#2	.50096	.50710	1.0141	.51269	.50476	.49386	.00333	4.9770	.51043	.50458	.50047	.51412	2.3726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.641**	**.99641**	**19.515**	**.49501**	**.51021**	**5.2544**	**.50767**	**1.0146**	**1.0305**	**.00735**	**1.0280**	**1.0129**	**4.8328**
Stddev	.107	.00080	.044	.00169	.00289	.0129	.00010	.0044	.0053	.00092	.0034	.0048	.0726
%RSD	.20719	.08066	.22526	.34085	.56652	.24535	.02037	.43347	.51403	12.487	.33214	.47388	1.5017
#1	51.565	.99584	19.484	.49382	.51225	5.2635	.50774	1.0177	1.0343	.00670	1.0304	1.0163	4.7815
#2	51.716	.99697	19.546	.49621	.50817	5.2453	.50760	1.0115	1.0268	.00800	1.0256	1.0095	4.8841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.342**	**1.0100**	**.50095**	**-.00626**	**.49972**	**1.0240**	**.02945**	**.50266**	**.49203**	**.50082**
Stddev	.155	.0055	.00128	.00097	.00109	.0060	.01829	.00092	.00309	.00126
%RSD	1.5017	.54183	.25545	15.440	.21764	.58348	62.125	.18247	.62842	.25122
#1	10.232	1.0138	.50005	-.00557	.49895	1.0283	.04238	.50201	.48984	.49993
#2	10.452	1.0061	.50186	-.00694	.50049	1.0198	.01651	.50331	.49422	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8632.6**	**110470.**	**8918.1**
Stddev	14.3	371.	1.9
%RSD	.16535	.33612	.02139
#1	8642.7	110740.	8919.5
#2	8622.5	110210.	8916.8

Sample Name: CCB Acquired: 11/9/2013 4:08:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00275**	**-.00117**	**.00110**	**-.00027**	**.00016**	**.00154**	**.00081**	W **.00046**	**-.00018**	**.00011**	**-.00004**
Stddev	.00009	.00012	.00000	.00027	.00007	.00003	.00056	.00220	.00008	.00015	.00004	.00018
%RSD	67.416	4.3249	.00320	24.212	27.310	20.287	36.072	272.94	16.839	81.204	32.223	498.94
#1	-.00020	.00283	-.00117	.00128	-.00032	.00014	.00115	-.00075	.00052	-.00029	.00009	.00009
#2	-.00007	.00266	-.00117	.00091	-.00022	.00018	.00194	.00236	.00041	-.00008	.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit									.00045			
Low Limit									-.00045			

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.09011**	**.00097**	**.00214**	**.00007**	**.00040**	**-.01441**	**-.00021**	**.00042**	**.00125**	**.00909**	W **.00562**
Stddev	.00093	.01184	.00397	.00137	.00002	.00017	.00112	.00025	.00144	.00064	.00141	.00059
%RSD	18.694	13.140	408.96	63.785	35.478	42.062	7.7805	115.49	343.56	50.947	15.520	10.560
#1	.00566	.08174	.00378	.00311	.00008	.00028	-.01362	-.00004	.00144	.00170	.01009	.00603
#2	.00434	.09849	-.00184	.00118	.00005	.00052	-.01521	-.00039	-.00060	.00080	.00809	.00520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00218**	**.00731**	**.01565**	**.00024**	**.00003**	**.00097**	**.00051**	**-.00005**	**-.00189**	**-.00060**	W **.00475**	**.00166**
Stddev	.00268	.00131	.00281	.00022	.00000	.00182	.00002	.00117	.00177	.00015	.00001	.00053
%RSD	123.13	17.934	17.934	89.259	4.7580	188.93	4.1798	2479.8	94.009	24.235	.30841	31.823
#1	.00407	.00824	.01763	.00009	.00003	.00225	.00049	.00078	-.00314	-.00070	.00476	.00128
#2	.00028	.00638	.01366	.00040	.00003	-.00032	.00052	-.00088	-.00063	-.00050	.00474	.00203
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8539.7**	**110530.**	**8806.4**
Stddev	20.8	243.	59.2
%RSD	.24409	.21979	.67274
#1	8554.4	110350.	8764.5
#2	8524.9	110700.	8848.3

Sample Name: CCVL2367586 Acquired: 11/9/2013 4:11:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01000**	**.10645**	**.01722**	**.10028**	**.01010**	**.00100**	**.12770**	**.21436**	**.00551**	**.01041**	**.01049**	**.01593**	**.10426**
Stddev	.00040	.00096	.00251	.00070	.00017	.00007	.00166	.00063	.00020	.00019	.00004	.00009	.00110
%RSD	4.0400	.89989	14.566	.70165	1.6681	6.6546	1.2988	.29310	3.6612	1.8406	.40794	.59244	1.0576
#1	.01029	.10712	.01544	.10077	.01022	.00096	.12653	.21392	.00565	.01054	.01052	.01600	.10504
#2	.00972	.10577	.01899	.09978	.00998	.00105	.12887	.21480	.00536	.01027	.01046	.01587	.10348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1477**	**.01150**	**.20628**	**.01035**	**.02077**	**1.0526**	**.04178**	**2.9759**	**.00981**	**.01259**	**.01141**	**.01641**	**.50813**
Stddev	.0672	.00462	.00113	.00009	.00014	.0033	.00070	.0294	.00029	.00156	.00155	.00084	.00200
%RSD	2.1355	40.158	.54647	.88286	.65819	.31473	1.6674	.98814	2.9678	12.365	13.612	5.1316	.39365
#1	3.1952	.00824	.20548	.01029	.02087	1.0503	.04228	2.9966	.01001	.01149	.01250	.01582	.50955
#2	3.1001	.01477	.20708	.01041	.02067	1.0549	.04129	2.9551	.00960	.01369	.01031	.01701	.50672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0874**	**.10467**	**.01029**	**.01626**	**.01053**	**.01493**	F **.03004**	**.00956**	F **.02605**	**.01853**
Stddev	.0043	.00141	.00009	.00042	.00014	.00087	.02063	.00000	.00051	.00210
%RSD	.39365	1.3485	.91729	2.5710	1.3406	5.8039	68.658	.02786	1.9762	11.342
#1	1.0904	.10567	.01036	.01597	.01043	.01431	.04463	.00956	.02569	.01705
#2	1.0844	.10367	.01023	.01656	.01063	.01554	.01546	.00956	.02642	.02002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							-30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8622.0**	**109860.**	**8786.0**
Stddev	65.1	408.	124.4
%RSD	.75492	.37104	1.4162
#1	8576.0	109570.	8874.0
#2	8668.0	110150.	8698.1

Sample Name: mb 280-199861/1-a Acquired: 11/9/2013 4:13:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00566**	**.00126**	**.00106**	**.00010**	**.00015**	**.00080**	**.04468**	**.00038**	**-.00003**
Stddev	.00089	.00016	.00184	.00015	.00017	.00004	.00188	.00272	.00002	.00014
%RSD	514.92	2.8467	146.16	14.176	172.10	26.522	233.37	6.0994	5.4723	414.00
#1	.00080	.00577	-.00004	.00117	-.00002	.00012	-.00052	.04275	.00037	.00006
#2	-.00046	.00555	.00255	.00095	.00022	.00017	.00213	.04660	.00040	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00134**	**.02060**	**.06686**	**.00126**	**.00809**	**.00018**	**-.00012**	**.01853**	**-.00006**
Stddev	.00015	.00005	.00034	.00883	.00096	.00019	.00001	.00002	.00765	.00015
%RSD	103.83	3.7703	1.6420	13.201	75.873	2.3524	3.8422	17.418	41.302	233.98
#1	.00025	.00131	.02036	.06062	.00059	.00823	.00018	-.00013	.02394	-.00017
#2	.00004	.00138	.02084	.07310	.00194	.00796	.00017	-.00010	.01312	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00463**	**.00110**	**.02284**	**-.00010**	**.00179**	**-.00287**	**-.00615**	**.00247**	**.00016**	**-.00001**
Stddev	.00074	.00122	.00440	.00146	.00075	.01464	.03134	.00014	.00001	.00071
%RSD	15.962	110.51	19.273	1435.9	41.684	509.94	509.94	5.7676	3.2823	9029.2
#1	.00411	.00197	.01973	.00093	.00127	-.01323	-.02831	.00237	.00016	.00049
#2	.00516	.00024	.02595	-.00113	.00232	.00748	.01601	.00257	.00016	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.00002**	**.04196**	**-.00048**	**.00425**	**.00169**
Stddev	.00015	.00036	.02256	.00021	.00004	.00185
%RSD	15.161	2115.6	53.768	44.136	.83063	109.78
#1	.00106	.00024	.02600	-.00033	.00423	.00038
#2	.00086	-.00027	.05791	-.00063	.00428	.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8808.3**	**114280.**	**9062.7**
Stddev	5.6	164.	117.0
%RSD	.06402	.14361	1.2907
#1	8812.3	114160.	9145.4
#2	8804.4	114400.	8980.0

Sample Name: lcs 280-199861/2-a Acquired: 11/9/2013 4:15:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04698**	**1.8205**	**.95797**	**.94313**	**1.9445**	**.04705**	**2.2256**	**46.679**	**.10009**	**.47280**
Stddev	.00065	.0021	.00338	.00538	.0040	.00013	.0126	.057	.00029	.00024
%RSD	1.3915	.11520	.35262	.57019	.20625	.28647	.56400	.12137	.28862	.05001
#1	.04744	1.8219	.95558	.93932	1.9473	.04714	2.2167	46.719	.09989	.47263
#2	.04652	1.8190	.96036	.94693	1.9417	.04695	2.2345	46.638	.10029	.47297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19269**	**.24799**	**.92365**	**49.780**	**.95957**	F **45.873**	**.46727**	**.97424**	**52.240**	**.47487**
Stddev	.00066	.00036	.00207	.103	.00286	.094	.00077	.00395	.008	.00004
%RSD	.34256	.14352	.22376	.20635	.29796	.20452	.16489	.40518	.01558	.00872
#1	.19222	.24824	.92218	49.853	.96159	45.940	.46781	.97145	52.246	.47490
#2	.19316	.24774	.92511	49.707	.95755	45.807	.46672	.97703	52.234	.47484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						56.500				
Low Limit						46.000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7765**	**.47348**	**.01213**	**.46165**	**1.9030**	F **.56805**	**1.2156**	**1.9115**	**.96475**	**.94574**
Stddev	.0192	.00141	.00293	.00245	.0005	.00789	.0169	.0062	.00131	.00246
%RSD	.19614	.29767	24.184	.53062	.02832	1.3894	1.3894	.32539	.13612	.26061
#1	9.7629	.47249	.01006	.45992	1.9026	.57363	1.2276	1.9071	.96568	.94748
#2	9.7900	.47448	.01421	.46338	1.9034	.56247	1.2037	1.9159	.96382	.94400
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						11.000				
Low Limit						9.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95435**	**1.8671**	**2.0247**	**.48407**	**.45986**	**.47643**
Stddev	.00103	.0055	.0493	.00009	.00295	.00136
%RSD	.10760	.29221	2.4348	.01948	.64091	.28635
#1	.95508	1.8632	2.0595	.48400	.46194	.47546
#2	.95363	1.8710	1.9898	.48413	.45778	.47739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8398.6**	**107690.**	**8925.8**
Stddev	1.0	727.	69.2
%RSD	.01215	.67530	.77501
#1	8399.3	107180.	8876.9
#2	8397.8	108210.	8974.7

Sample Name: 280-48933-a-1-a Acquired: 11/9/2013 4:17:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00237**	**57.484**	**.02392**	**.00961**	**.46467**	**.00154**	**-.00094**	**104.40**	**.00056**	**.08423**
Stddev	.00054	.180	.00025	.00028	.00155	.00000	.00762	.18	.00039	.00040
%RSD	22.611	.31400	1.0416	2.9258	.33286	.13508	812.84	.16953	69.366	.47826
#1	-.00275	57.356	.02375	.00981	.46576	.00154	-.00633	104.27	.00029	.08452
#2	-.00200	57.612	.02410	.00941	.46358	.00154	.00445	104.52	.00084	.08395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07235**	**.17948**	**232.69**	**6.9041**	**.05895**	**45.583**	**3.0040**	**.00361**	**5.3103**	**.09559**
Stddev	.00035	.00105	.35	.0052	.00181	.091	.0091	.00008	.0022	.00010
%RSD	.48244	.58272	.14980	.07524	3.0633	.20023	.30182	2.2972	.04150	.10418
#1	.07210	.18022	232.44	6.9005	.06023	45.648	2.9976	.00355	5.3087	.09552
#2	.07259	.17874	232.94	6.9078	.05768	45.519	3.0104	.00367	5.3119	.09566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.941**	**.03046**	**2.6384**	**-.00002**	**.00075**	**2.0305**	**4.3452**	**.02115**	**.35728**	**.03067**
Stddev	.013	.00034	.0012	.00243	.00205	.0417	.0893	.00098	.00034	.00193
%RSD	.11554	1.1066	.04639	11235.	273.85	2.0554	2.0554	4.6187	.09491	6.2858
#1	10.932	.03022	2.6376	-.00174	-.00070	2.0600	4.4084	.02046	.35752	.02931
#2	10.950	.03070	2.6393	.00169	.00220	2.0010	4.2821	.02184	.35704	.03203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.350**	**-.00246**	F **-.10640**	**.61881**	**.41675**	**.23472**
Stddev	.314	.00005	.02589	.00094	.00151	.00374
%RSD	1.6238	2.0071	24.336	.15226	.36184	1.5937
#1	19.128	-.00250	-.08809	.61815	.41781	.23208
#2	19.573	-.00243	-.12471	.61948	.41568	.23737
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9426.8**	**119890.**	**10074.**
Stddev	22.2	140.	77.
%RSD	.23544	.11638	.75980
#1	9411.1	119990.	10128.
#2	9442.5	119800.	10020.

Sample Name: 280-48933-a-1-aSD@5 Acquired: 11/9/2013 4:20:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**13.633**	**.00816**	**.00307**	**.10942**	**.00040**	**.00408**	**24.720**	**.00059**	**.02093**
Stddev	.00033	.020	.00255	.00023	.00045	.00001	.00276	.084	.00008	.00001
%RSD	66.059	.14951	31.295	7.4558	.40715	3.5943	67.663	.33795	14.199	.06037
#1	-.00027	13.647	.00636	.00323	.10973	.00041	.00603	24.661	.00065	.02093
#2	-.00074	13.619	.00997	.00291	.10910	.00039	.00213	24.779	.00053	.02094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**.04222**	**56.218**	**1.6041**	**.01476**	**10.864**	**.72675**	**.00079**	**1.2056**	**.02298**
Stddev	.00003	.00056	.001	.0077	.00082	.025	.00084	.00006	.0032	.00009
%RSD	.18921	1.3336	.00135	.47893	5.5253	.22660	.11538	7.0032	.26615	.38113
#1	.01756	.04262	56.218	1.6095	.01534	10.846	.72616	.00075	1.2033	.02304
#2	.01752	.04182	56.219	1.5986	.01418	10.881	.72734	.00083	1.2079	.02292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5867**	**.00745**	**.61382**	**-.00130**	**.00070**	**.45209**	**.96747**	**.00642**	**.08422**	**.00614**
Stddev	.0201	.00018	.00018	.00095	.00023	.01664	.03562	.00046	.00017	.00202
%RSD	.77571	2.3657	.02879	73.365	32.203	3.6817	3.6817	7.1980	.20135	32.956
#1	2.5726	.00757	.61369	-.00062	.00054	.44032	.94229	.00675	.08410	.00471
#2	2.6009	.00732	.61394	-.00197	.00086	.46386	.99266	.00609	.08434	.00757
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6288**	**.00013**	**-.01527**	**.14590**	**.10652**	**.05681**
Stddev	.0011	.00015	.03377	.00065	.00115	.00031
%RSD	.02283	112.23	221.16	.44472	1.0836	.54143
#1	4.6281	.00003	.00861	.14544	.10571	.05703
#2	4.6296	.00024	-.03914	.14636	.10734	.05660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8784.5**	**111790.**	**9139.5**
Stddev	7.0	370.	73.5
%RSD	.07993	.33116	.80443
#1	8779.6	112050.	9191.5
#2	8789.5	111530.	9087.5

Sample Name: 280-48933-a-1-b du Acquired: 11/9/2013 4:22:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00306**	**54.030**	**.02528**	**.00841**	**.46287**	**.00143**	**.00321**	**129.05**	**.00079**	**.07961**
Stddev	.00040	.296	.00065	.00006	.00047	.00005	.00214	.60	.00004	.00038
%RSD	12.931	.54868	2.5885	.73050	.10216	3.3201	66.669	.46417	5.4293	.47222
#1	-.00278	53.821	.02481	.00837	.46254	.00140	.00473	128.63	.00082	.07935
#2	-.00334	54.240	.02574	.00845	.46320	.00146	.00170	129.48	.00076	.07988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06301**	**.17444**	**223.18**	**6.5326**	**.05410**	**45.032**	**2.7646**	**.00327**	**5.2263**	**.10214**
Stddev	.00003	.00024	.63	.0513	.00161	.037	.0015	.00021	.0027	.00018
%RSD	.05065	.13497	.28173	.78531	2.9813	.08288	.05476	6.3002	.05147	.17349
#1	.06299	.17427	222.74	6.4963	.05524	45.006	2.7635	.00341	5.2282	.10202
#2	.06304	.17461	223.63	6.5689	.05296	45.059	2.7656	.00312	5.2244	.10227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.457**	**.02966**	**2.5314**	**-.00527**	**-.00375**	**1.6485**	**3.5278**	**.02164**	**.39689**	**.02813**
Stddev	.004	.00026	.0011	.00193	.00330	.0353	.0756	.00005	.00121	.00129
%RSD	.03695	.89225	.04168	36.652	88.001	2.1432	2.1432	.23233	.30538	4.5812
#1	10.454	.02985	2.5306	-.00663	-.00142	1.6235	3.4743	.02168	.39603	.02904
#2	10.460	.02948	2.5321	-.00390	-.00609	1.6735	3.5812	.02161	.39774	.02722
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.799**	**-.00352**	F **-.13924**	**.58513**	**.40291**	**.23151**
Stddev	.120	.00084	.02033	.00259	.00179	.00519
%RSD	.63677	23.800	14.602	.44285	.44481	2.2419
#1	18.884	-.00412	-.15361	.58330	.40164	.22784
#2	18.715	-.00293	-.12486	.58696	.40418	.23518
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9376.8**	**118970.**	**9933.9**
Stddev	.9	114.	42.6
%RSD	.01007	.09545	.42858
#1	9376.2	118890.	9964.0
#2	9377.5	119050.	9903.8

Sample Name: 280-48933-a-1-c ms Acquired: 11/9/2013 4:25:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03969**	**72.698**	**.82082**	**.80206**	**2.1945**	**.04290**	F **1.9453**	**154.70**	**.08893**	**.49133**
Stddev	.00034	.041	.00396	.00064	.0035	.00009	.0031	.14	.00009	.00079
%RSD	.86274	.05708	.48233	.07933	.16081	.21359	.16125	.09265	.10029	.16087
#1	.03944	72.669	.82362	.80161	2.1920	.04283	1.9431	154.59	.08900	.49077
#2	.03993	72.727	.81802	.80251	2.1970	.04296	1.9475	154.80	.08887	.49189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26090**	**.39837**	**246.71**	**52.646**	**.92628**	**93.354**	**3.5785**	**.82988**	**55.253**	**.50517**
Stddev	.00034	.00072	.73	.002	.00246	.051	.0258	.00070	.350	.00127
%RSD	.13146	.18118	.29790	.00344	.26509	.05434	.72007	.08448	.63266	.25164
#1	.26066	.39786	246.19	52.645	.92455	93.319	3.5603	.82938	55.006	.50428
#2	.26114	.39888	247.23	52.648	.92802	93.390	3.5968	.83038	55.500	.50607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.548**	**.43162**	**2.2731**	**.24687**	**1.5817**	**3.3848**	**7.2434**	**1.4394**	**1.2461**	**.87451**
Stddev	.002	.00109	.0043	.00258	.0026	.0998	.2136	.0013	.0018	.00699
%RSD	.01314	.25352	.18804	1.0433	.16355	2.9485	2.9485	.08763	.14598	.79935
#1	18.547	.43084	2.2701	.24504	1.5835	3.3142	7.0924	1.4403	1.2448	.86957
#2	18.550	.43239	2.2762	.24869	1.5798	3.4553	7.3944	1.4385	1.2473	.87946
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.563**	**1.5215**	**1.6402**	**1.1099**	**.82511**	**.69814**
Stddev	.154	.0017	.0249	.0026	.00415	.00153
%RSD	.78785	.11192	1.5164	.22944	.50351	.21844
#1	19.454	1.5227	1.6226	1.1081	.82218	.69706
#2	19.672	1.5203	1.6578	1.1117	.82805	.69922
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9359.8**	**118780.**	**10153.**
Stddev	17.7	22.	34.
%RSD	.18864	.01876	.33807
#1	9372.3	118800.	10128.
#2	9347.4	118770.	10177.

Sample Name: 280-48933-a-2-a Acquired: 11/9/2013 4:27:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**41.445**	**.01730**	**.00322**	**.36008**	**.00126**	**.00297**	**59.633**	**.00069**	**.07080**
Stddev	.00042	.211	.00012	.00017	.00084	.00004	.00230	.343	.00024	.00034
%RSD	21.510	.50916	.67454	5.2548	.23442	3.0626	77.722	.57577	35.107	.48468
#1	-.00227	41.296	.01739	.00334	.35948	.00128	.00460	59.390	.00086	.07055
#2	-.00167	41.595	.01722	.00310	.36067	.00123	.00134	59.876	.00052	.07104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04268**	**.17871**	**181.03**	**7.0639**	**.04276**	**32.033**	**1.9779**	**.00280**	**4.4747**	**.07880**
Stddev	.00001	.00081	1.36	.0678	.00240	.124	.0032	.00018	.0152	.00038
%RSD	.02031	.45304	.74948	.95945	5.6082	.38836	.16132	6.5870	.33857	.48683
#1	.04269	.17814	180.07	7.0160	.04106	31.945	1.9757	.00267	4.4640	.07853
#2	.04268	.17928	181.99	7.1118	.04445	32.121	1.9802	.00293	4.4854	.07908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.665**	**.02219**	**.82593**	**-.00164**	**-.00072**	**1.0929**	**2.3388**	**.01758**	**.20002**	**.02770**
Stddev	.019	.00095	.00055	.00035	.00010	.0169	.0361	.00077	.00069	.00100
%RSD	.17469	4.2864	.06630	21.392	13.890	1.5419	1.5419	4.3605	.34500	3.5988
#1	10.652	.02287	.82631	-.00188	-.00065	1.0810	2.3133	.01812	.19953	.02700
#2	10.678	.02152	.82554	-.00139	-.00079	1.1048	2.3643	.01704	.20051	.02841
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.815**	**-.00212**	F **-.16919**	**.48068**	**.32300**	**.18879**
Stddev	.108	.00042	.06665	.00027	.00020	.00040
%RSD	.78015	19.771	39.397	.05596	.06341	.21306
#1	13.891	-.00241	-.12205	.48087	.32285	.18907
#2	13.739	-.00182	-.21632	.48049	.32314	.18851
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9618.1**	**121620.**	**10149.**
Stddev	13.8	249.	27.
%RSD	.14297	.20477	.26394
#1	9627.8	121440.	10130.
#2	9608.4	121790.	10168.

Sample Name: 280-48933-a-3-a Acquired: 11/9/2013 4:29:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**62.866**	**.02779**	**.00902**	**.51313**	**.00185**	**-.00039**	**93.172**	**.00089**	**.08069**
Stddev	.00043	.052	.00192	.00046	.00025	.00001	.00369	.024	.00013	.00053
%RSD	19.277	.08347	6.9154	5.1150	.04884	.51628	952.63	.02531	14.781	.65684
#1	-.00254	62.903	.02644	.00935	.51295	.00185	-.00300	93.189	.00099	.08106
#2	-.00193	62.829	.02915	.00870	.51331	.00184	.00222	93.156	.00080	.08031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09118**	**.18951**	**206.64**	**8.8447**	**.06102**	**45.990**	**3.0264**	**.00276**	**3.2007**	**.11872**
Stddev	.00015	.00043	.60	.0263	.00404	.217	.0130	.00030	.0138	.00020
%RSD	.16248	.22445	.29004	.29705	6.6284	.47126	.43008	10.791	.43217	.16918
#1	.09128	.18981	207.06	8.8261	.05816	46.143	3.0172	.00297	3.1910	.11886
#2	.09107	.18921	206.21	8.8633	.06388	45.836	3.0356	.00255	3.2105	.11858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.332**	**.03459**	**.99982**	**-.00349**	W **-.00505**	**2.3846**	**5.1031**	**.01872**	**.32124**	**.03099**
Stddev	.006	.00092	.00471	.00108	.00246	.0574	.1229	.00151	.00046	.00009
%RSD	.05358	2.6624	.47109	30.991	48.714	2.4082	2.4082	8.0728	.14271	.27434
#1	10.336	.03394	1.0032	-.00272	-.00679	2.4252	5.1900	.01765	.32091	.03093
#2	10.328	.03524	.99649	-.00425	-.00331	2.3440	5.0162	.01978	.32156	.03105
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.392**	**-.00199**	F **-.15270**	**.50547**	**.39059**	**.20883**
Stddev	.185	.00078	.01582	.00046	.00083	.00066
%RSD	1.2035	39.072	10.360	.09011	.21310	.31430
#1	15.261	-.00253	-.14151	.50515	.39117	.20837
#2	15.523	-.00144	-.16389	.50580	.39000	.20930
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9411.1**	**118940.**	**9987.7**
Stddev	.8	190.	42.9
%RSD	.00862	.16011	.42969
#1	9411.7	118800.	9957.4
#2	9410.6	119070.	10018.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:32:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**50.023**	**.00299**	**.00589**	**.00010**	**.00005**	**1.0363**	**.03106**	**.00011**	**-.00068**	**-.00010**	**.00949**	**48.184**
Stddev	.00007	.103	.00321	.00045	.00003	.00003	.0013	.00696	.00002	.00005	.00001	.00013	.134
%RSD	1.8217	.20634	107.60	7.6182	28.464	71.630	.12136	22.411	18.007	8.0115	13.585	1.3360	.27904
#1	.00372	50.096	.00071	.00557	.00012	.00007	1.0354	.03598	.00010	-.00064	-.00009	.00940	48.089
#2	.00362	49.950	.00526	.00621	.00008	.00002	1.0372	.02614	.00013	-.00072	-.00011	.00957	48.279
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02625**	**.00091**	**.08530**	**.00094**	**-.00017**	**262.69**	**-.00008**	**.00672**	**.00231**	**5.0680**	**.00239**	**-.00172**	**.02010**
Stddev	.09727	.00195	.00124	.00009	.00023	.12	.00002	.00263	.00049	.0039	.00091	.00273	.00132
%RSD	370.52	213.01	1.4593	9.4212	131.95	.04596	22.173	39.181	21.198	.07743	37.911	159.10	6.5440
#1	-.04253	.00229	.08442	.00100	-.00001	262.61	-.00007	.00858	.00266	5.0652	.00175	-.00365	.01917
#2	.09503	-.00046	.08618	.00088	-.00033	262.78	-.00010	.00486	.00197	5.0708	.00303	.00021	.02103
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04302**	**-.00020**	**.00050**	**4.8160**	**.00006**	**.00091**	**10.121**	**.00045**	**.00250**	**.02343**
Stddev	.00282	.00013	.00014	.0054	.00054	.00123	.019	.00002	.00037	.00028
%RSD	6.5440	64.218	28.297	.11174	907.99	135.52	.19172	5.5446	14.718	1.1802
#1	.04103	-.00011	.00060	4.8122	.00044	.00177	10.108	.00043	.00276	.02323
#2	.04501	-.00029	.00040	4.8198	-.00032	.00004	10.135	.00046	.00224	.02362
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.4**	**106440.**	**8895.1**
Stddev	14.0	83.	51.4
%RSD	.16578	.07760	.57746
#1	8479.4	106500.	8858.8
#2	8459.5	106380.	8931.4

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:34:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50304**	**.51439**	**1.0044**	**.50877**	**.50746**	**.49441**	**.00259**	**4.9974**	**.50525**	**.50294**	**.49859**	**.51459**	**2.4062**
Stddev	.00069	.00235	.0020	.00142	.00217	.00088	.00113	.0106	.00021	.00071	.00023	.00001	.0050
%RSD	.13732	.45655	.20235	.27843	.42715	.17769	43.546	.21158	.04253	.14095	.04516	.00142	.20624
#1	.50255	.51605	1.0030	.50776	.50593	.49379	.00179	5.0048	.50540	.50243	.49875	.51459	2.4027
#2	.50353	.51273	1.0059	.50977	.50899	.49504	.00338	4.9899	.50509	.50344	.49843	.51460	2.4097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.753**	**.99873**	**19.604**	**.49793**	**.50827**	**5.2737**	**.50553**	**1.0124**	**1.0270**	**.00271**	**1.0211**	**1.0075**	**4.8611**
Stddev	.040	.00268	.004	.00093	.00299	.0202	.00070	.0022	.0047	.00198	.0029	.0057	.0094
%RSD	.07778	.26839	.01842	.18753	.58738	.38335	.13847	.21962	.45421	73.131	.28313	.56292	.19320
#1	51.724	.99683	19.601	.49727	.50616	5.2880	.50503	1.0109	1.0237	.00411	1.0190	1.0035	4.8678
#2	51.781	1.0006	19.607	.49859	.51038	5.2594	.50602	1.0140	1.0303	.00131	1.0231	1.0115	4.8545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.403**	**1.0087**	**.50320**	**-.00442**	**.50556**	**1.0184**	**.01531**	**.50654**	**.49820**	**.50499**
Stddev	.020	.0022	.00189	.00135	.00018	.0071	.04769	.00067	.00036	.00144
%RSD	.19320	.21866	.37633	30.628	.03597	.69915	311.45	.13182	.07305	.28573
#1	10.417	1.0071	.50186	-.00538	.50543	1.0134	-.01841	.50701	.49794	.50397
#2	10.389	1.0103	.50453	-.00346	.50569	1.0234	.04903	.50607	.49845	.50601
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8693.1**	**110340.**	**8959.3**
Stddev	9.3	187.	49.8
%RSD	.10723	.16937	.55537
#1	8699.7	110210.	8924.1
#2	8686.5	110470.	8994.5

Sample Name: CCB Acquired: 11/9/2013 4:36:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00401**	**.00101**	**.00136**	**.00006**	**.00018**	**.00297**	**.00851**	**.00015**	**-.00005**	**.00011**	**.00045**
Stddev	.00025	.00014	.00308	.00017	.00014	.00004	.00197	.00042	.00002	.00001	.00006	.00001
%RSD	125.70	3.5331	304.56	12.752	244.48	21.017	66.280	4.9544	11.272	22.644	54.012	3.0898
#1	.00002	.00411	-.00117	.00123	.00016	.00021	.00436	.00881	.00014	-.00004	.00015	.00044
#2	.00037	.00391	.00319	.00148	-.00004	.00015	.00158	.00821	.00016	-.00005	.00007	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01678**	**.06109**	W **.00293**	**.00478**	**.00021**	**.00060**	**.00088**	**-.00026**	**.00061**	**.00222**	**.02006**	W **.00612**
Stddev	.00119	.00893	.00216	.00043	.00004	.00018	.01584	.00015	.00072	.00078	.00571	.00227
%RSD	7.0977	14.618	73.917	9.0059	18.097	30.481	1802.8	58.771	116.86	35.190	28.466	37.023
#1	.01763	.05478	.00140	.00508	.00024	.00047	-.01032	-.00037	.00011	.00277	.01602	.00452
#2	.01594	.06741	.00445	.00447	.00019	.00073	.01208	-.00015	.00112	.00167	.02410	.00773
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261									.00314
Low Limit			-.00261									-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.02096**	**.04486**	**.00058**	**.00018**	**-.00245**	F **.00117**	**-.00010**	**.02328**	**-.00054**	W **.00488**	**.00183**
Stddev	.00236	.00184	.00393	.00047	.00003	.00099	.00004	.00111	.02664	.00013	.00011	.00079
%RSD	649.41	8.7605	8.7605	82.392	19.034	40.489	3.1322	1102.8	114.47	24.728	2.3315	43.508
#1	-.00131	.02226	.04764	.00024	.00021	-.00175	.00120	.00068	.04212	-.00044	.00496	.00239
#2	.00203	.01967	.04208	.00091	.00016	-.00316	.00115	-.00089	.00444	-.00063	.00480	.00126
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.00100				.00453	
Low Limit							-.00100				-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8554.7**	**110450.**	**8676.6**
Stddev	15.8	53.	22.4
%RSD	.18440	.04838	.25856
#1	8543.5	110410.	8692.5
#2	8565.8	110490.	8660.8

Sample Name: CCVL2367586 Acquired: 11/9/2013 4:38:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01009**	**.10773**	**.01663**	**.10163**	**.01010**	**.00108**	**.12809**	**.21271**	**.00544**	**.01041**	**.01050**	**.01589**	**.10490**
Stddev	.00020	.00047	.00033	.00037	.00004	.00007	.00068	.00263	.00028	.00003	.00002	.00032	.00115
%RSD	1.9358	.44054	2.0021	.35985	.42518	6.6813	.52760	1.2368	5.0597	.29524	.20080	2.0395	1.0922
#1	.00996	.10739	.01639	.10137	.01013	.00113	.12856	.21085	.00563	.01044	.01049	.01612	.10409
#2	.01023	.10806	.01686	.10189	.01007	.00103	.12761	.21457	.00524	.01039	.01052	.01566	.10571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1978**	**.01172**	**.20468**	**.01027**	**.02092**	**1.0466**	**.04184**	**2.9862**	**.01002**	**.01172**	**.01190**	**.01411**	**.49671**
Stddev	.0663	.00460	.00093	.00005	.00018	.0023	.00037	.0124	.00031	.00061	.00068	.00092	.00920
%RSD	2.0734	39.203	.45272	.48364	.84233	.22220	.87643	.41567	3.0577	5.2431	5.6777	6.5519	1.8513
#1	3.1509	.00847	.20403	.01023	.02080	1.0482	.04158	2.9950	.00980	.01215	.01142	.01345	.49021
#2	3.2447	.01497	.20534	.01030	.02105	1.0449	.04210	2.9775	.01024	.01128	.01238	.01476	.50321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0630**	**.10458**	**.01033**	**.01457**	**.01088**	**.01599**	F **.08922**	**.00983**	**.02595**	**.01727**
Stddev	.0197	.00054	.00022	.00034	.00052	.00048	.03801	.00007	.00010	.00232
%RSD	1.8513	.51790	2.1214	2.3481	4.7976	3.0070	42.603	.68731	.37345	13.411
#1	1.0490	.10496	.01018	.01481	.01051	.01565	.06235	.00978	.02588	.01563
#2	1.0769	.10419	.01049	.01433	.01125	.01633	.11610	.00987	.02602	.01891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8747.5**	**112650.**	**8907.5**
Stddev	13.2	333.	20.4
%RSD	.15080	.29602	.22933
#1	8738.2	112410.	8922.0
#2	8756.8	112880.	8893.1

Sample Name: mb 280-199862/1-a Acquired: 11/9/2013 4:41:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00366**	**.00130**	**.00083**	**-.00009**	**.00005**	**.00259**	**.02871**	**.00026**	**-.00011**
Stddev	.00005	.00006	.00081	.00113	.00008	.00001	.00189	.00115	.00005	.00011
%RSD	17.776	1.5934	62.609	136.56	83.691	14.337	72.856	3.9968	18.716	102.76
#1	.00032	.00371	.00072	.00163	-.00004	.00004	.00126	.02952	.00023	-.00018
#2	.00025	.00362	.00187	.00003	-.00015	.00005	.00393	.02789	.00030	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00100**	**.02108**	**.07348**	**.00260**	**.00297**	**.00016**	**.00001**	**.02421**	**-.00003**
Stddev	.00002	.00003	.00348	.01069	.00141	.00241	.00001	.00032	.00278	.00010
%RSD	9.0271	2.7411	16.493	14.545	54.134	81.178	4.4138	5911.6	11.491	365.99
#1	.00016	.00102	.02354	.06592	.00160	.00468	.00016	-.00022	.02224	.00004
#2	.00018	.00098	.01862	.08103	.00359	.00127	.00015	.00023	.02617	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	**.00083**	**.01922**	**.00061**	**.00093**	**.00039**	**.00083**	**.00284**	**.00013**	**-.00005**
Stddev	.00050	.00058	.00314	.00092	.00018	.00343	.00735	.00035	.00004	.00035
%RSD	17.810	70.016	16.347	150.80	19.773	887.90	887.90	12.152	33.874	669.24
#1	.00316	.00124	.02144	-.00004	.00106	.00281	.00602	.00309	.00010	.00020
#2	.00246	.00042	.01700	.00127	.00080	-.00204	-.00437	.00260	.00016	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00029**	**.01878**	**-.00022**	**.00419**	**.00214**
Stddev	.00009	.00061	.01989	.00015	.00028	.00125
%RSD	17.421	210.77	105.90	64.901	6.6281	58.279
#1	.00044	.00072	.03285	-.00033	.00400	.00126
#2	.00056	-.00014	.00472	-.00012	.00439	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8864.8**	**115550.**	**9216.5**
Stddev	22.1	271.	59.5
%RSD	.24887	.23455	.64535
#1	8880.4	115360.	9174.5
#2	8849.2	115740.	9258.6

Sample Name: lcs 280-199862/2-a Acquired: 11/9/2013 4:43:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04839**	**1.8343**	**.98174**	**.96845**	**1.9672**	**.04784**	**2.2792**	**47.351**	**.10187**	**.47881**
Stddev	.00034	.0032	.00425	.00044	.0060	.00002	.0047	.051	.00042	.00074
%RSD	.70574	.17636	.43303	.04559	.30254	.03595	.20438	.10801	.41598	.15356
#1	.04863	1.8320	.98475	.96814	1.9714	.04783	2.2825	47.387	.10217	.47829
#2	.04814	1.8366	.97874	.96876	1.9630	.04785	2.2759	47.315	.10157	.47933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19606**	**.25247**	**.94650**	**50.364**	**.96907**	**46.915**	**.47524**	**.99535**	**52.909**	**.48394**
Stddev	.00014	.00036	.00653	.169	.00398	.031	.00012	.00209	.188	.00097
%RSD	.07346	.14068	.68990	.33599	.41107	.06620	.02506	.20984	.35451	.20084
#1	.19596	.25222	.94188	50.483	.97189	46.893	.47515	.99387	53.042	.48326
#2	.19616	.25273	.95111	50.244	.96626	46.937	.47532	.99683	52.776	.48463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.022**	**.48242**	**.00684**	**.46578**	**1.9371**	F **.50884**	**1.0889**	**1.9523**	**.97597**	**.96275**
Stddev	.015	.00227	.00230	.00260	.0054	.00818	.0175	.0053	.00258	.00501
%RSD	.14802	.46987	33.592	.55724	.27948	1.6075	1.6075	.27373	.26451	.52040
#1	10.012	.48082	.00522	.46762	1.9409	.50306	1.0765	1.9560	.97779	.95921
#2	10.033	.48402	.00847	.46395	1.9332	.51463	1.1013	1.9485	.97414	.96629
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96851**	**1.8861**	**2.0545**	**.49128**	**.47121**	**.48779**
Stddev	.00208	.0078	.0285	.00100	.00143	.00097
%RSD	.21491	.41600	1.3865	.20352	.30443	.19963
#1	.96704	1.8917	2.0344	.49057	.47019	.48848
#2	.96998	1.8806	2.0747	.49199	.47222	.48710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8426.1**	**108040.**	**8940.4**
Stddev	25.2	214.	21.2
%RSD	.29960	.19809	.23669
#1	8443.9	107890.	8925.4
#2	8408.2	108190.	8955.3

Sample Name: 280-48932-a-1-a Acquired: 11/9/2013 4:45:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**88.030**	**.05817**	**.00831**	**.79742**	**.00284**	**-.00938**	**145.54**	**.00184**	**.08337**
Stddev	.00014	.169	.00186	.00015	.00103	.00005	.00003	.02	.00015	.00074
%RSD	8.4181	.19248	3.2048	1.7537	.12905	1.5891	.27696	.01562	7.9685	.89007
#1	-.00177	87.910	.05685	.00820	.79669	.00281	-.00936	145.52	.00194	.08390
#2	-.00157	88.150	.05948	.00841	.79815	.00288	-.00940	145.56	.00174	.08285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14370**	**.21386**	**221.58**	**15.471**	**.12000**	**63.285**	**3.6086**	**.00412**	**2.4339**	**.15184**
Stddev	.00085	.00084	.01	.042	.00160	.078	.0348	.00021	.0048	.00088
%RSD	.58874	.39284	.00334	.26971	1.3338	.12286	.96572	5.0824	.19646	.58120
#1	.14430	.21445	221.57	15.441	.12113	63.340	3.5840	.00427	2.4306	.15246
#2	.14310	.21326	221.58	15.500	.11887	63.230	3.6333	.00398	2.4373	.15122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6109**	**.06834**	**.39611**	**.00174**	**.00039**	**1.9113**	**4.0901**	**.01663**	**.51658**	**.04783**
Stddev	.0116	.00085	.00583	.00186	.00018	.0146	.0312	.00007	.00041	.00039
%RSD	.13472	1.2400	1.4712	106.72	46.433	.76169	.76169	.42793	.08030	.81306
#1	8.6191	.06893	.40023	.00043	.00051	1.9216	4.1121	.01658	.51628	.04755
#2	8.6027	.06774	.39199	.00305	.00026	1.9010	4.0681	.01668	.51687	.04810
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.039**	**-.00284**	F **-.17352**	**.48390**	**.71339**	**.14190**
Stddev	.041	.00158	.01090	.00043	.00230	.00025
%RSD	.33826	55.726	6.2833	.08855	.32226	.17311
#1	12.011	-.00396	-.16581	.48421	.71501	.14208
#2	12.068	-.00172	-.18123	.48360	.71176	.14173
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9167.0**	**116850.**	**9916.0**
Stddev	14.1	264.	16.5
%RSD	.15395	.22626	.16628
#1	9157.0	116660.	9904.4
#2	9177.0	117030.	9927.7

Sample Name: 280-48932-a-1-aSD@5 Acquired: 11/9/2013 4:48:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**20.199**	**.01203**	**.00343**	**.18183**	**.00076**	**-.00193**	**33.565**	**.00054**	**.01990**
Stddev	.00030	.011	.00138	.00020	.00010	.00004	.00005	.059	.00007	.00005
%RSD	99.219	.05546	11.468	5.8193	.05611	5.1388	2.6117	.17663	12.298	.23354
#1	-.00052	20.191	.01301	.00357	.18175	.00078	-.00196	33.607	.00059	.01987
#2	-.00009	20.207	.01106	.00329	.18190	.00073	-.00189	33.523	.00049	.01993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03353**	**.04858**	**51.763**	**3.5089**	**.02584**	**14.557**	**.84958**	**.00087**	**.49999**	**.03571**
Stddev	.00007	.00028	.364	.0550	.00118	.033	.00132	.00010	.01207	.00012
%RSD	.20245	.57530	.70389	1.5686	4.5821	.22660	.15536	11.927	2.4146	.35004
#1	.03358	.04838	52.021	3.5478	.02668	14.581	.85051	.00080	.50852	.03579
#2	.03348	.04878	51.506	3.4699	.02500	14.534	.84864	.00094	.49145	.03562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9588**	**.01688**	**.09749**	**-.00282**	**.00137**	**.42050**	**.89987**	**.00518**	**.11829**	**.01233**
Stddev	.0089	.00070	.00523	.00049	.00315	.00189	.00406	.00038	.00003	.00017
%RSD	.45636	4.1662	5.3672	17.382	230.26	.45064	.45064	7.3651	.02327	1.3790
#1	1.9652	.01737	.09379	-.00248	-.00086	.41916	.89700	.00491	.11830	.01245
#2	1.9525	.01638	.10119	-.00317	.00360	.42184	.90274	.00545	.11827	.01221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7845**	**.00000**	**-.03702**	**.11085**	**.17202**	**.03504**
Stddev	.0004	.00126	.02194	.00014	.00203	.00012
%RSD	.01330	14e6	59.273	.12376	1.1804	.33815
#1	2.7842	-.00089	-.02150	.11095	.17346	.03512
#2	2.7848	.00089	-.05254	.11076	.17059	.03496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8794.4**	**112250.**	**9114.6**
Stddev	30.7	438.	28.2
%RSD	.34899	.38996	.30898
#1	8772.7	111940.	9134.5
#2	8816.1	112560.	9094.7

Sample Name: 280-48932-a-1-b du Acquired: 11/9/2013 4:50:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**58.058**	**.02267**	**.00439**	**.54726**	**.00170**	**-.00533**	**71.140**	**.00086**	**.06950**
Stddev	.00044	.027	.00241	.00007	.00160	.00000	.00111	.086	.00017	.00018
%RSD	22.266	.04568	10.610	1.5808	.29160	.16161	20.751	.12153	20.139	.26186
#1	-.00228	58.039	.02097	.00435	.54613	.00170	-.00455	71.079	.00098	.06962
#2	-.00166	58.077	.02437	.00444	.54839	.00170	-.00611	71.201	.00073	.06937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06840**	**.15714**	**186.40**	**8.7414**	**.06057**	**39.975**	**2.4210**	**.00232**	**2.7086**	**.08633**
Stddev	.00003	.00017	.67	.0063	.00177	.048	.0032	.00001	.0095	.00023
%RSD	.05027	.11107	.36075	.07213	2.9299	.12040	.13382	.47242	.35053	.26196
#1	.06838	.15726	185.92	8.7458	.05932	39.941	2.4233	.00232	2.7019	.08617
#2	.06843	.15701	186.87	8.7369	.06183	40.009	2.4187	.00231	2.7153	.08649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.772**	**.03554**	**.56507**	**-.00170**	**-.00172**	**1.6209**	**3.4688**	**.01555**	**.30005**	**.02998**
Stddev	.036	.00066	.00721	.00037	.00089	.0140	.0299	.00008	.00100	.00058
%RSD	.33517	1.8621	1.2751	21.932	51.909	.86211	.86211	.51932	.33465	1.9350
#1	10.747	.03507	.55997	-.00196	-.00235	1.6308	3.4900	.01561	.29934	.02957
#2	10.798	.03601	.57016	-.00143	-.00109	1.6111	3.4477	.01549	.30076	.03039
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.144**	**-.00207**	F **-.14911**	**.46841**	**.54291**	**.19193**
Stddev	.048	.00012	.01604	.00107	.00075	.00298
%RSD	.39716	5.5602	10.759	.22797	.13868	1.5522
#1	12.110	-.00199	-.16045	.46765	.54237	.18982
#2	12.178	-.00215	-.13777	.46916	.54344	.19404
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9536.0**	**121520.**	**10271.**
Stddev	1.0	43.	23.
%RSD	.01044	.03566	.22108
#1	9536.7	121490.	10255.
#2	9535.3	121550.	10287.

Sample Name: 280-48932-a-1-c ms Acquired: 11/9/2013 4:52:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04118**	**71.775**	**.83517**	**.82267**	**2.4769**	**.04343**	F **1.9809**	**122.14**	**.08996**	**.48780**
Stddev	.00020	.048	.00154	.00057	.0089	.00008	.0029	.22	.00054	.00050
%RSD	.48142	.06717	.18430	.06926	.35764	.17607	.14672	.18147	.59544	.10198
#1	.04132	71.741	.83408	.82308	2.4706	.04337	1.9788	121.98	.08958	.48744
#2	.04104	71.809	.83626	.82227	2.4832	.04348	1.9829	122.30	.09034	.48815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25605**	**.38352**	**210.12**	**54.599**	**.91957**	**87.920**	**3.5630**	**.84363**	**52.005**	**.50682**
Stddev	.00005	.00032	.70	.042	.00307	.108	.0116	.00077	.114	.00029
%RSD	.01942	.08448	.33127	.07661	.33351	.12325	.32519	.09167	.21893	.05702
#1	.25601	.38329	209.63	54.569	.91741	87.997	3.5712	.84417	52.085	.50662
#2	.25608	.38375	210.62	54.628	.92174	87.844	3.5548	.84308	51.924	.50703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.216**	**.45125**	**.93340**	**.23997**	**1.6308**	**3.9149**	**8.3778**	**1.3746**	**1.2094**	**.87462**
Stddev	.014	.00045	.00460	.00210	.0029	.0120	.0256	.0043	.0038	.00181
%RSD	.07707	.10062	.49308	.87476	.17858	.30570	.30570	.31068	.31631	.20642
#1	18.226	.45157	.93015	.23848	1.6288	3.9233	8.3959	1.3716	1.2067	.87590
#2	18.206	.45093	.93666	.24145	1.6329	3.9064	8.3597	1.3776	1.2121	.87335
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.228**	**1.5585**	**1.6289**	**.92442**	**.96277**	**.62904**
Stddev	.058	.0059	.0144	.00033	.00181	.00068
%RSD	.43794	.37760	.88136	.03551	.18817	.10796
#1	13.268	1.5544	1.6390	.92419	.96406	.62856
#2	13.187	1.5627	1.6187	.92465	.96149	.62952
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9298.9**	**118420.**	**10096.**
Stddev	5.4	186.	51.
%RSD	.05810	.15713	.50059
#1	9295.1	118290.	10060.
#2	9302.7	118550.	10131.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:55:02 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**50.102**	**.00345**	**.00623**	**.00048**	**.00006**	**1.0393**	**.03745**	**.00005**	**-.00078**	**-.00002**	**.00925**
Stddev	.00009	.187	.00039	.00030	.00047	.00009	.0070	.01155	.00015	.00013	.00015	.00039
%RSD	2.2671	.37419	11.359	4.8268	98.041	140.54	.67595	30.832	294.41	16.803	859.68	4.1808
#1	.00419	50.235	.00317	.00601	.00081	.00000	1.0443	.04562	-.00006	-.00068	-.00013	.00898
#2	.00406	49.970	.00373	.00644	.00015	.00012	1.0343	.02929	.00016	-.00087	.00009	.00952
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.926**	**.10675**	**.00204**	**.08651**	**.00089**	**.00015**	**263.58**	**-.00017**	**.00418**	**.00192**	**5.0265**	**.00252**
Stddev	.028	.00313	.00214	.00236	.00002	.00026	.32	.00003	.00032	.00112	.0135	.00150
%RSD	.05793	2.9301	104.63	2.7244	2.5183	170.22	.12284	18.979	7.6826	58.204	.26803	59.572
#1	47.906	.10454	.00053	.08818	.00091	.00034	263.81	-.00019	.00440	.00271	5.0360	.00146
#2	47.945	.10896	.00355	.08484	.00088	-.00003	263.35	-.00015	.00395	.00113	5.0170	.00358
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.02559**	**.05477**	**-.00039**	**.00067**	W **4.7459**	**-.00228**	**.00129**	**9.9947**	**.00069**	**.00206**	**.02640**
Stddev	.00264	.00653	.01398	.00040	.00021	.0076	.00019	.00008	.0082	.00018	.00004	.00011
%RSD	2347.4	25.522	25.522	103.35	31.737	.16003	8.4211	6.1815	.08193	26.405	1.7423	.42928
#1	.00198	.03021	.06465	-.00010	.00083	4.7405	-.00215	.00135	10.000	.00056	.00208	.02632
#2	-.00176	.02097	.04488	-.00067	.00052	4.7512	-.00242	.00124	9.9889	.00082	.00203	.02648
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8566.3**	**108480.**	**9025.3**
Stddev	19.8	466.	19.7
%RSD	.23168	.43003	.21827
#1	8580.3	108810.	9011.4
#2	8552.3	108150.	9039.2

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:57:24 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49910**	**.50511**	**1.0153**	**.51573**	**.50235**	**.49295**	**.00219**	**4.9657**	**.50853**	**.50402**	**.50355**	**.51063**	**2.3653**
Stddev	.00055	.00123	.0015	.00152	.00185	.00196	.00044	.0125	.00075	.00030	.00037	.00035	.0149
%RSD	.10994	.24316	.14898	.29557	.36875	.39834	19.909	.25141	.14738	.05985	.07396	.06791	.63045
#1	.49949	.50597	1.0142	.51465	.50104	.49156	.00250	4.9568	.50800	.50423	.50329	.51038	2.3548
#2	.49871	.50424	1.0164	.51681	.50366	.49434	.00188	4.9745	.50906	.50381	.50381	.51087	2.3759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.559**	**.98955**	**19.497**	**.49145**	**.51594**	**5.2694**	**.50834**	**1.0250**	**1.0367**	**.00251**	**1.0274**	**1.0186**	**4.8135**
Stddev	.208	.00371	.056	.00013	.00036	.0084	.00010	.0001	.0035	.00461	.0049	.0082	.0147
%RSD	.40274	.37472	.28622	.02703	.07050	.15997	.01968	.01162	.34049	183.81	.48103	.80188	.30427
#1	51.412	.98692	19.536	.49135	.51620	5.2635	.50827	1.0251	1.0342	.00577	1.0239	1.0128	4.8032
#2	51.706	.99217	19.457	.49154	.51568	5.2754	.50841	1.0249	1.0392	-.00075	1.0309	1.0243	4.8239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.301**	**1.0207**	**.50070**	**-.00366**	**.49591**	**1.0222**	**-.00611**	**.50237**	**.49372**	**.49472**
Stddev	.031	.0022	.00211	.00022	.00106	.0001	.02917	.00133	.00107	.00513
%RSD	.30427	.21045	.42117	6.0448	.21440	.01033	477.59	.26458	.21596	1.0377
#1	10.279	1.0192	.49921	-.00381	.49516	1.0223	-.02674	.50143	.49296	.49109
#2	10.323	1.0222	.50219	-.00350	.49666	1.0222	.01452	.50331	.49447	.49835
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8716.5**	**111980.**	**9047.1**
Stddev	14.8	307.	76.0
%RSD	.17026	.27392	.83990
#1	8706.0	111770.	9100.8
#2	8727.0	112200.	8993.3

Sample Name: CCB Acquired: 11/9/2013 4:59:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.01255**	**.00104**	**.00207**	**-.00013**	**.00010**	**.00204**	**.00276**	**.00036**	**-.00008**	**.00014**	**.00023**
Stddev	.00030	.00925	.00176	.00009	.00039	.00007	.00095	.00018	.00015	.00026	.00005	.00006
%RSD	150.98	73.665	169.53	4.1242	293.30	69.379	46.657	6.6384	41.721	311.78	39.467	26.959
#1	-.00001	.01909	-.00021	.00201	-.00040	.00005	.00272	.00289	.00025	.00010	.00018	.00019
#2	.00041	.00601	.00228	.00213	.00014	.00015	.00137	.00263	.00047	-.00027	.00010	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00783**	**.08512**	W **.00279**	**.00396**	**.00017**	**.00057**	**-.00719**	**.00002**	**.00160**	**.00100**	**.00548**	F **.00670**
Stddev	.00008	.00964	.00307	.00201	.00005	.00038	.00197	.00001	.00176	.00043	.00057	.00096
%RSD	.96178	11.328	109.94	50.792	30.182	66.286	27.422	54.005	110.42	42.895	10.488	14.282
#1	.00788	.09194	.00496	.00538	.00013	.00083	-.00859	.00003	.00284	.00131	.00588	.00737
#2	.00777	.07830	.00062	.00254	.00020	.00030	-.00580	.00001	.00035	.00070	.00507	.00602
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261									.00628
Low Limit			-.00261									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.01193**	**.02553**	**.00039**	**.00016**	**-.00078**	**.00031**	**.00016**	**-.00104**	**-.00021**	**.00433**	**.00091**
Stddev	.00108	.00787	.01684	.00009	.00006	.00014	.00021	.00078	.04050	.00007	.00005	.00017
%RSD	53.304	65.986	65.986	22.354	34.008	18.386	69.193	501.55	3890.5	31.057	1.2495	18.640
#1	.00279	.00636	.01362	.00045	.00012	-.00088	.00046	.00070	-.02968	-.00017	.00429	.00079
#2	.00126	.01749	.03744	.00033	.00020	-.00067	.00016	-.00039	.02760	-.00026	.00436	.00103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8618.7**	**112530.**	**8829.4**
Stddev	23.7	126.	93.7
%RSD	.27500	.11157	1.0617
#1	8601.9	112440.	8895.7
#2	8635.5	112620.	8763.1

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:01:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00982**	**.10867**	**.01657**	**.10310**	**.01001**	**.00113**	F **.13051**	**.21267**	**.00559**	**.01062**	**.01074**	**.01623**	**.10550**
Stddev	.00010	.00010	.00394	.00083	.00001	.00001	.00050	.00173	.00013	.00020	.00003	.00032	.00159
%RSD	1.0425	.09568	23.751	.80591	.14858	1.1323	.38433	.81373	2.3436	1.8536	.26302	1.9865	1.5096
#1	.00974	.10859	.01935	.10368	.01000	.00113	.13087	.21145	.00550	.01076	.01072	.01600	.10437
#2	.00989	.10874	.01379	.10251	.01002	.00114	.13016	.21390	.00568	.01048	.01076	.01645	.10663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2270**	**.01271**	**.21163**	**.01045**	**.02154**	**1.0650**	**.04253**	**3.0528**	**.01091**	**.00775**	**.00995**	**.01597**	**.50680**
Stddev	.0442	.00154	.00083	.00001	.00009	.0041	.00049	.0056	.00055	.00097	.00248	.00142	.02266
%RSD	1.3705	12.093	.39017	.08947	.40095	.38699	1.1467	.18338	5.0377	12.481	24.918	8.9147	4.4713
#1	3.2583	.01162	.21105	.01045	.02160	1.0680	.04288	3.0568	.01130	.00707	.01170	.01497	.49077
#2	3.1958	.01379	.21222	.01046	.02148	1.0621	.04219	3.0488	.01052	.00843	.00820	.01698	.52282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0845**	**.10742**	**.01046**	**.01489**	**.01104**	**.01547**	F **.09128**	**.01003**	**.02498**	**.01641**
Stddev	.0485	.00001	.00007	.00103	.00006	.00044	.00210	.00028	.00022	.00033
%RSD	4.4713	.00706	.67877	6.9201	.53620	2.8402	2.3007	2.7808	.89963	1.9986
#1	1.0503	.10743	.01041	.01416	.01100	.01579	.09276	.00984	.02483	.01618
#2	1.1188	.10742	.01051	.01562	.01108	.01516	.08979	.01023	.02514	.01664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8724.5**	**112590.**	**8872.7**
Stddev	12.3	69.	36.9
%RSD	.14052	.06089	.41562
#1	8715.9	112540.	8898.8
#2	8733.2	112640.	8846.7

Sample Name: mb 280-199785/1-a Acquired: 11/9/2013 5:04:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00466**	**.00008**	**.00129**	**-.00009**	**.00008**	**.00262**	**.00988**	**.00030**	**.00001**
Stddev	.00048	.00007	.00156	.00049	.00006	.00006	.00001	.00156	.00007	.00009
%RSD	319.43	1.4217	1961.6	38.317	66.007	79.671	.45967	15.834	23.276	828.33
#1	.00049	.00462	-.00103	.00164	-.00014	.00012	.00263	.01098	.00035	.00007
#2	-.00019	.00471	.00119	.00094	-.00005	.00003	.00262	.00877	.00025	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00046**	**.00783**	**.05678**	**.00099**	**.00439**	**.00017**	**.00013**	**-.03043**	**-.00001**
Stddev	.00014	.00010	.00150	.04580	.00063	.00323	.00008	.00028	.01376	.00019
%RSD	79.050	22.078	19.194	80.662	63.389	73.462	45.319	216.62	45.231	2477.2
#1	.00027	.00039	.00677	.08916	.00055	.00211	.00023	.00032	-.04017	.00012
#2	.00008	.00054	.00889	.02439	.00143	.00667	.00012	-.00007	-.02070	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00125**	**.00435**	**.00038**	**.00032**	**-.00464**	**-.00992**	**-.00074**	**.00008**	W **.00041**
Stddev	.00010	.00034	.00337	.00038	.00004	.01200	.02567	.00108	.00005	.00000
%RSD	5.0006	27.444	77.469	100.80	13.437	258.76	258.76	145.50	58.334	.16931
#1	.00199	.00149	.00197	.00011	.00029	.00385	.00823	-.00151	.00012	.00041
#2	.00213	.00101	.00674	.00065	.00035	-.01312	-.02807	.00002	.00005	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00037**	**.00941**	**-.00038**	W **.00375**	**.00302**
Stddev	.00006	.00001	.02223	.00088	.00039	.00000
%RSD	9.5460	3.8818	236.19	232.81	10.416	.10569
#1	.00063	-.00036	-.00631	-.00100	.00348	.00302
#2	.00055	-.00038	.02513	.00025	.00403	.00302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8830.9**	**115190.**	**9029.0**
Stddev	2.9	56.	26.3
%RSD	.03310	.04850	.29088
#1	8828.8	115230.	9047.6
#2	8833.0	115150.	9010.5

Sample Name: lcs 280-199785/2-a Acquired: 11/9/2013 5:06:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05024**	**1.8843**	**1.0158**	**1.0258**	**2.0503**	**.04982**	**2.3576**	**49.419**	**.10553**	**.49313**
Stddev	.00039	.0008	.0010	.0010	.0011	.00005	.0019	.004	.00016	.00009
%RSD	.76715	.04400	.10120	.09289	.05348	.09438	.07945	.00834	.14907	.01800
#1	.05051	1.8837	1.0151	1.0265	2.0495	.04979	2.3589	49.422	.10542	.49320
#2	.04997	1.8849	1.0166	1.0252	2.0511	.04986	2.3563	49.416	.10564	.49307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20377**	**.25956**	**.95028**	**52.703**	**1.0054**	**48.906**	**.49000**	**1.0423**	**54.943**	**.49796**
Stddev	.00023	.00074	.00129	.057	.0020	.186	.00178	.0008	.156	.00008
%RSD	.11220	.28605	.13592	.10818	.20267	.38028	.36394	.07265	.28431	.01650
#1	.20361	.25904	.95119	52.663	1.0039	48.774	.48874	1.0428	55.054	.49802
#2	.20393	.26009	.94937	52.744	1.0068	49.037	.49126	1.0418	54.833	.49791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.361**	**.49798**	**-.00058**	**.50934**	**2.0202**	**9.9557**	**21.305**	**2.0317**	**1.0185**	**.99134**
Stddev	.013	.00062	.00233	.00676	.0055	.0736	.158	.0072	.0002	.00538
%RSD	.12828	.12356	404.17	1.3271	.27272	.73936	.73936	.35637	.01682	.54227
#1	10.370	.49755	.00107	.51412	2.0241	9.9036	21.194	2.0369	1.0184	.98754
#2	10.351	.49842	-.00222	.50456	2.0163	10.008	21.417	2.0266	1.0186	.99514
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0071**	**1.9449**	**2.1469**	**.51219**	**.48856**	**.51463**
Stddev	.0036	.0047	.0250	.00284	.00316	.00473
%RSD	.35380	.24327	1.1667	.55424	.64780	.91933
#1	1.0046	1.9482	2.1646	.51018	.48632	.51129
#2	1.0096	1.9415	2.1292	.51420	.49079	.51798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8449.4**	**108270.**	**8879.7**
Stddev	2.2	393.	19.3
%RSD	.02562	.36328	.21784
#1	8451.0	108550.	8893.3
#2	8447.9	107990.	8866.0

Sample Name: 280-48907-f-1-a Acquired: 11/9/2013 5:08:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.05334**	**.00386**	**.21931**	**.16336**	**.00012**	**-.00307**	**71.867**	**.00048**	**.00014**
Stddev	.00024	.00005	.00142	.00004	.00055	.00009	.00068	.123	.00010	.00005
%RSD	142.67	.08963	36.778	.02015	.33579	74.385	22.190	.17150	19.861	37.672
#1	-.00034	.05337	.00286	.21934	.16375	.00006	-.00259	71.954	.00055	.00011
#2	.00000	.05330	.00487	.21928	.16297	.00019	-.00355	71.779	.00041	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00335**	**.03554**	**10.455**	**.03853**	**10.910**	**.00600**	**.08963**	**382.62**	**.00488**
Stddev	.00010	.00015	.00106	.049	.00042	.001	.00003	.00009	.71	.00005
%RSD	12.296	4.3880	2.9760	.46734	1.1015	.00833	.42201	.10013	.18489	1.0981
#1	.00088	.00345	.03629	10.420	.03883	10.909	.00601	.08969	383.12	.00485
#2	.00074	.00324	.03479	10.489	.03823	10.911	.00598	.08957	382.12	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06283**	**.00058**	**77.008**	**-.00021**	**.04058**	**8.5983**	**18.400**	**.00019**	**.65774**	**-.00331**
Stddev	.00203	.00181	.091	.00149	.00242	.0160	.034	.00017	.00202	.00138
%RSD	3.2257	310.61	.11872	711.02	5.9704	.18575	.18575	91.966	.30646	41.833
#1	.06140	-.00070	76.944	-.00126	.03887	8.5870	18.376	.00031	.65917	-.00233
#2	.06426	.00186	77.073	.00084	.04230	8.6095	18.424	.00007	.65632	-.00429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00051**	**.03301**	**.00233**	**.00805**	**.00295**
Stddev	.00005	.00114	.00567	.00008	.00020	.00077
%RSD	11.121	225.31	17.174	3.3660	2.4387	26.105
#1	.00041	-.00030	.03702	.00227	.00791	.00241
#2	.00048	.00131	.02900	.00238	.00819	.00350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8275.5**	**104490.**	**8932.1**
Stddev	7.1	96.	14.3
%RSD	.08563	.09179	.16037
#1	8280.5	104560.	8942.2
#2	8270.5	104420.	8921.9

Sample Name: 280-48907-f-1-aSD@5 Acquired: 11/9/2013 5:10:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.02271**	**-.00081**	**.04884**	**.03494**	**.00011**	**.00059**	**15.626**	**.00045**	**-.00014**
Stddev	.00063	.00008	.00214	.00038	.00007	.00002	.00069	.033	.00016	.00003
%RSD	313.30	.35507	262.70	.77655	.19674	18.780	116.85	.21090	36.120	23.018
#1	-.00024	.02277	.00070	.04911	.03499	.00009	.00010	15.649	.00056	-.00016
#2	.00064	.02266	-.00233	.04857	.03489	.00012	.00108	15.602	.00033	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00101**	**.02425**	**2.2901**	**.01024**	**2.4081**	**.00149**	**.01930**	**82.702**	**.00115**
Stddev	.00006	.00019	.00136	.0466	.00095	.0031	.00004	.00021	.151	.00019
%RSD	22.414	18.689	5.6159	2.0364	9.2430	.12917	2.7350	1.0697	.18298	16.243
#1	.00028	.00114	.02521	2.3231	.00957	2.4059	.00152	.01945	82.809	.00102
#2	.00021	.00088	.02329	2.2571	.01091	2.4103	.00147	.01916	82.595	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.00036**	**15.901**	**-.00090**	**.01067**	**1.8532**	**3.9659**	**.00246**	**.14277**	**-.00287**
Stddev	.00037	.00071	.013	.00147	.00084	.0048	.0104	.00019	.00003	.00015
%RSD	2.6907	197.69	.08330	162.87	7.9081	.26126	.26126	7.6379	.02399	5.2967
#1	.01366	.00086	15.892	.00014	.01008	1.8498	3.9585	.00259	.14275	-.00298
#2	.01419	-.00014	15.910	-.00195	.01127	1.8566	3.9732	.00233	.14280	-.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00053**	**.01811**	**-.00011**	**.01201**	**.00109**
Stddev	.00012	.00043	.00828	.00020	.00044	.00150
%RSD	211.77	80.988	45.713	176.02	3.6454	138.00
#1	-.00003	.00023	.01226	-.00025	.01170	.00215
#2	.00015	.00083	.02397	.00003	.01232	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8470.2**	**108610.**	**8872.0**
Stddev	27.4	382.	33.8
%RSD	.32312	.35203	.38057
#1	8450.9	108340.	8895.8
#2	8489.6	108880.	8848.1

Sample Name: 280-48907-f-1-b ms Acquired: 11/9/2013 5:13:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05200**	**1.9225**	W **2.3797**	**1.0801**	**1.2578**	**2.2833**	**.05177**	F **2.3844**	**124.06**	**.10982**
Stddev	.00125	.0002	.0036	.0026	.0017	.0089	.00036	.0004	.60	.00013
%RSD	2.3985	.01153	.15213	.23815	.13470	.39214	.70158	.01853	.48532	.11566
#1	.05288	1.9224	2.3822	1.0819	1.2590	2.2896	.05203	2.3841	124.48	.10973
#2	.05112	1.9227	2.3771	1.0783	1.2566	2.2770	.05152	2.3848	123.63	.10991
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50004**	**.20892**	**.27107**	**1.0031**	**66.338**	**1.0844**	**60.374**	**.50911**	**1.1673**	**449.15**
Stddev	.00107	.00037	.00055	.0033	.034	.0034	.008	.00026	.0014	2.05
%RSD	.21306	.17915	.20178	.33107	.05137	.31388	.01247	.05074	.12005	.45550
#1	.49929	.20866	.27068	1.0055	66.362	1.0868	60.368	.50930	1.1683	450.60
#2	.50080	.20919	.27145	1.0008	66.314	1.0820	60.379	.50893	1.1663	447.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50991**	W **11.174**	**.49346**	**78.006**	**.52219**	**2.1340**	**19.057**	**40.782**	W **2.0580**	**1.7313**
Stddev	.00007	.002	.00088	.022	.00455	.0038	.016	.034	.0007	.0065
%RSD	.01340	.01820	.17859	.02765	.87178	.17742	.08331	.08331	.03522	.37599
#1	.50987	11.172	.49409	77.991	.52540	2.1367	19.068	40.806	2.0585	1.7359
#2	.50996	11.175	.49284	78.022	.51897	2.1313	19.046	40.758	2.0575	1.7267
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**1.0453**	**1.8405**	**2.1626**	**.53334**	**.51187**	**.53370**
Stddev	.0010	.0003	.0024	.0549	.00030	.00163	.00173
%RSD	.09367	.03202	.13329	2.5391	.05632	.31881	.32435
#1	1.0334	1.0455	1.8422	2.1237	.53355	.51302	.53492
#2	1.0320	1.0450	1.8387	2.2014	.53313	.51072	.53247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.2**	**102950.**	**8743.2**
Stddev	11.9	138.	41.7
%RSD	.14721	.13360	.47682
#1	8082.8	102850.	8772.6
#2	8099.6	103050.	8713.7

Sample Name: 280-48907-f-1-c msd Acquired: 11/9/2013 5:15:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05137**	**1.8933**	**1.0613**	**1.2296**	**2.2261**	**.05055**	F **2.3375**	**120.77**	**.10776**	**.49168**
Stddev	.00065	.0001	.0002	.0008	.0009	.00024	.0054	.16	.00017	.00009
%RSD	1.2690	.00619	.01645	.06085	.03954	.47939	.23016	.13248	.16178	.01751
#1	.05091	1.8932	1.0614	1.2291	2.2267	.05038	2.3413	120.66	.10764	.49174
#2	.05183	1.8934	1.0612	1.2301	2.2255	.05072	2.3337	120.89	.10788	.49162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20483**	**.26532**	**.97122**	**64.741**	**1.0586**	**59.242**	**.50023**	**1.1363**	**435.95**	**.50073**
Stddev	.00043	.00013	.00163	.120	.0019	.105	.00037	.0008	.22	.00019
%RSD	.20963	.04768	.16824	.18488	.17612	.17692	.07438	.07453	.04964	.03841
#1	.20513	.26541	.97237	64.657	1.0599	59.316	.50049	1.1357	435.80	.50087
#2	.20452	.26523	.97006	64.826	1.0572	59.167	.49997	1.1369	436.10	.50060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.964**	**.48374**	**76.436**	**.50971**	**2.0996**	**18.513**	**39.618**	**1.9988**	**1.6838**	**1.0163**
Stddev	.005	.00086	.038	.00221	.0097	.112	.239	.0013	.0013	.0013
%RSD	.04394	.17687	.04938	.43299	.46071	.60259	.60259	.06587	.07724	.13144
#1	10.960	.48314	76.409	.50815	2.0927	18.592	39.787	1.9997	1.6848	1.0153
#2	10.967	.48435	76.463	.51127	2.1064	18.434	39.450	1.9978	1.6829	1.0172
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0192**	**1.8082**	**2.1388**	**.52467**	**.50315**	**.51664**
Stddev	.0008	.0005	.0183	.00092	.00340	.00278
%RSD	.07550	.02995	.85482	.17612	.67625	.53847
#1	1.0186	1.8078	2.1259	.52401	.50074	.51861
#2	1.0197	1.8085	2.1517	.52532	.50555	.51467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8113.9**	**102960.**	**8841.4**
Stddev	2.9	447.	40.1
%RSD	.03584	.43404	.45319
#1	8111.8	102640.	8869.7
#2	8115.9	103270.	8813.0

Sample Name: CCVH-2357613 Acquired: 11/9/2013 5:17:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**49.778**	**.00265**	**.00749**	**.00059**	**.00011**	**1.0362**	**.03408**	**.00003**	**-.00080**	**-.00004**	**.00932**
Stddev	.00003	.097	.00152	.00025	.00029	.00006	.0032	.00223	.00014	.00016	.00009	.00027
%RSD	.96228	.19524	57.413	3.4025	49.176	58.995	.31387	6.5480	412.70	20.168	241.20	2.8845
#1	.00339	49.709	.00372	.00767	.00038	.00006	1.0339	.03566	.00013	-.00069	-.00010	.00913
#2	.00335	49.846	.00157	.00731	.00079	.00015	1.0385	.03250	-.00006	-.00092	.00003	.00951
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.628**	**.32790**	**.00347**	**.08808**	**.00047**	**.00038**	**262.21**	**-.00038**	**.00275**	**.00327**	**5.0424**	**-.00039**
Stddev	.016	.03627	.00145	.00605	.00003	.00020	.57	.00034	.00069	.00084	.0005	.00080
%RSD	.03295	11.061	41.672	6.8677	6.5365	53.634	.21777	90.961	24.902	25.584	.01038	208.02
#1	47.639	.35355	.00450	.09236	.00049	.00023	261.81	-.00062	.00227	.00386	5.0420	.00018
#2	47.616	.30225	.00245	.08380	.00045	.00052	262.61	-.00013	.00324	.00267	5.0428	-.00096
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.03029**	**.06482**	**-.00054**	**.00071**	W **4.7259**	**-.00590**	**.00100**	**9.9016**	**.00039**	**.00213**	**.02647**
Stddev	.00254	.00433	.00926	.00009	.00008	.0074	.00042	.00033	.0294	.00040	.00017	.00052
%RSD	277.80	14.291	14.291	15.833	10.611	.15740	7.2044	32.539	.29714	102.15	8.0533	1.9530
#1	-.00088	.02723	.05827	-.00060	.00076	4.7312	-.00620	.00077	9.9224	.00068	.00225	.02683
#2	.00271	.03335	.07137	-.00048	.00066	4.7207	-.00560	.00124	9.8808	.00011	.00201	.02610
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8501.5**	**107340.**	**8877.2**
Stddev	6.4	116.	81.3
%RSD	.07528	.10817	.91553
#1	8496.9	107260.	8934.7
#2	8506.0	107420.	8819.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 5:19:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49887**	**.49639**	**1.0172**	**.51397**	**.49951**	**.49095**	**.00205**	**4.9651**	**.50665**	**.50095**	**.50342**	**.50898**	**2.3325**
Stddev	.00010	.00008	.0028	.00152	.00005	.00061	.00086	.0213	.00007	.00001	.00002	.00064	.0113
%RSD	.01910	.01545	.27095	.29600	.00979	.12507	41.817	.42868	.01405	.00138	.00338	.12495	.48478
#1	.49881	.49634	1.0191	.51290	.49954	.49052	.00265	4.9500	.50660	.50095	.50341	.50943	2.3405
#2	.49894	.49645	1.0152	.51505	.49947	.49139	.00144	4.9801	.50670	.50094	.50343	.50853	2.3246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.606**	**.98708**	**19.543**	**.49017**	**.51353**	**5.3453**	**.50855**	**1.0187**	**1.0247**	**.01051**	**1.0113**	**1.0108**	**4.8391**
Stddev	.064	.00303	.057	.00066	.00097	.0174	.00018	.0025	.0035	.00266	.0026	.0029	.0096
%RSD	.12345	.30732	.29209	.13546	.18806	.32482	.03600	.24284	.33865	25.269	.25568	.28962	.19821
#1	51.561	.98493	19.502	.48970	.51285	5.3330	.50842	1.0205	1.0223	.01239	1.0094	1.0087	4.8323
#2	51.651	.98922	19.583	.49064	.51422	5.3576	.50868	1.0170	1.0272	.00863	1.0131	1.0129	4.8458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.356**	**1.0135**	**.49763**	**-.00356**	**.49203**	**1.0110**	**.05483**	**.50110**	**.49322**	**.49680**
Stddev	.021	.0013	.00018	.00083	.00067	.0031	.00608	.00005	.00130	.00099
%RSD	.19821	.12515	.03659	23.389	.13657	.30232	11.098	.00980	.26433	.20004
#1	10.341	1.0144	.49751	-.00297	.49156	1.0132	.05913	.50107	.49230	.49610
#2	10.370	1.0126	.49776	-.00414	.49251	1.0088	.05052	.50114	.49414	.49750
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8711.2**	**111650.**	**9000.5**
Stddev	2.8	405.	26.6
%RSD	.03204	.36246	.29535
#1	8709.2	111940.	9019.3
#2	8713.1	111370.	8981.7

Sample Name: CCB Acquired: 11/9/2013 5:22:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00137**	**.00263**	**.00341**	**-.00019**	**.00012**	**.00196**	**.00726**	**.00038**	**-.00008**	**.00009**	**.00032**
Stddev	.00003	.00022	.00094	.00008	.00018	.00011	.00311	.00207	.00010	.00010	.00004	.00012
%RSD	24.532	16.128	35.803	2.4248	92.271	92.835	158.61	28.468	26.782	129.32	50.966	38.667
#1	-.00009	.00153	.00329	.00335	-.00007	.00019	.00416	.00872	.00031	-.00001	.00006	.00023
#2	-.00013	.00121	.00196	.00347	-.00032	.00004	-.00024	.00579	.00045	-.00015	.00012	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.21744**	W **.00333**	**.00077**	**.00000**	**.00054**	W **.10644**	**.00008**	**.00063**	**.00123**	**.01259**	W **.00543**
Stddev	.00124	.02139	.00107	.00104	.00004	.00009	.00676	.00019	.00043	.00051	.00060	.00207
%RSD	41.077	9.8387	32.230	135.42	55273.	17.118	6.3473	253.80	68.387	41.009	4.7306	38.140
#1	.00214	.20232	.00408	.00151	.00003	.00060	.11122	-.00006	.00094	.00159	.01301	.00396
#2	.00389	.23257	.00257	.00003	-.00003	.00047	.10166	.00021	.00033	.00088	.01217	.00689
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261				.09160					.00314
Low Limit			-.00261				-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.00537**	**.01149**	**.00017**	**.00009**	**-.00150**	**.00027**	**.00039**	**.01840**	**-.00027**	W **.00482**	W **.00244**
Stddev	.00068	.00251	.00537	.00004	.00009	.00120	.00019	.00005	.00743	.00046	.00006	.00092
%RSD	43.985	46.795	46.795	20.502	98.720	79.907	70.298	13.194	40.366	169.75	1.2010	37.807
#1	.00203	.00359	.00769	.00015	.00003	-.00235	.00014	.00043	.02365	.00005	.00486	.00310
#2	.00107	.00714	.01529	.00020	.00016	-.00065	.00041	.00036	.01315	-.00060	.00478	.00179
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00453	.00238
Low Limit											-.00453	-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8647.4**	**112810.**	**8844.1**
Stddev	11.7	39.	94.7
%RSD	.13564	.03446	1.0702
#1	8655.7	112840.	8777.2
#2	8639.1	112780.	8911.1

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:24:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.12820**	**.01546**	**.10305**	**.01066**	**.00117**	**.12749**	**.22481**	**.00566**	**.01066**	**.01071**	**.01617**	**.10539**	**3.3052**
Stddev	.00069	.03172	.00223	.00066	.00052	.00018	.00203	.01905	.00005	.00031	.00002	.00039	.00338	.0151
%RSD	6.5975	24.745	14.438	.64108	4.8718	15.299	1.5920	8.4721	.87768	2.8960	.16893	2.4262	3.2049	.45704
#1	.01092	.10577	.01388	.10352	.01103	.00129	.12605	.23827	.00569	.01044	.01070	.01644	.10778	3.2945
#2	.00995	.15063	.01703	.10259	.01029	.00104	.12892	.21134	.00562	.01088	.01072	.01589	.10300	3.3159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01230**	**.20422**	**.01021**	**.02145**	**1.2289**	**.04237**	**3.0257**	**.01103**	**.01957**	**.00877**	**.01779**	**.49205**	**1.0530**	**.10644**
Stddev	.00138	.00157	.00004	.00016	.0853	.00007	.0193	.00071	.01739	.00028	.00197	.00640	.0137	.00013
%RSD	11.180	.76684	.37877	.72472	6.9424	.16446	.63795	6.4541	88.895	3.2012	11.086	1.3006	1.3006	.12141
#1	.01133	.20311	.01023	.02134	1.2892	.04242	3.0394	.01053	.00727	.00858	.01918	.49658	1.0627	.10635
#2	.01328	.20532	.01018	.02156	1.1685	.04232	3.0121	.01154	.03187	.00897	.01640	.48753	1.0433	.10653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.01514**	**.01034**	**.01671**	**.05478**	**.00973**	**.02426**	**.01741**
Stddev	.00025	.00046	.00013	.00102	.04316	.00004	.00036	.00112
%RSD	2.3007	3.0402	1.2270	6.1122	78.785	.43789	1.4731	6.4428
#1	.01087	.01546	.01025	.01598	.02426	.00970	.02401	.01820
#2	.01052	.01481	.01043	.01743	.08530	.00976	.02451	.01661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8786.5**	**114130.**	**8981.8**
Stddev	2.0	704.	87.3
%RSD	.02282	.61707	.97248
#1	8785.1	114630.	9043.6
#2	8787.9	113630.	8920.1

Sample Name: 280-48787-h-1-a Acquired: 11/9/2013 5:26:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00459**	**.00167**	**.13929**	**.15503**	**.00011**	**-.00160**	**18.043**	**.00041**	**-.00016**
Stddev	.00034	.00013	.00181	.00011	.00028	.00006	.00059	.092	.00000	.00005
%RSD	1576.3	2.9102	108.24	.08177	.18116	56.439	37.065	.50744	.32711	33.257
#1	-.00026	.00469	.00295	.13937	.15523	.00016	-.00118	17.978	.00041	-.00019
#2	.00022	.00450	.00039	.13921	.15483	.00007	-.00202	18.108	.00041	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00141**	**.09009**	**4.0873**	**.02151**	**10.103**	**.18048**	**.00471**	**144.20**	**-.00013**
Stddev	.00006	.00030	.00265	.0134	.00069	.006	.00042	.00021	.62	.00006
%RSD	23.371	21.557	2.9431	.32875	3.1863	.06406	.23398	4.4566	.42721	48.213
#1	.00030	.00162	.08822	4.0778	.02199	10.107	.18018	.00456	143.76	-.00017
#2	.00022	.00119	.09197	4.0968	.02102	10.098	.18078	.00486	144.63	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21655**	**-.00010**	**.96164**	**-.00057**	**.00034**	**12.644**	**27.058**	**.00010**	**.16840**	**-.00143**
Stddev	.00024	.00035	.00078	.00049	.00136	.027	.058	.00012	.00016	.00124
%RSD	.10959	358.59	.08128	85.617	404.96	.21320	.21320	113.59	.09794	86.776
#1	.21638	-.00034	.96108	-.00022	.00130	12.625	27.017	.00002	.16829	-.00231
#2	.21672	.00015	.96219	-.00092	-.00063	12.663	27.099	.00018	.16852	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00081**	**.00833**	**-.00041**	**.00366**	**-.00026**
Stddev	.00006	.00138	.02216	.00008	.00017	.00016
%RSD	11.869	171.40	265.93	19.577	4.6473	61.537
#1	.00044	.00017	.02400	-.00046	.00354	-.00015
#2	.00051	-.00179	-.00734	-.00035	.00378	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8555.1**	**109390.**	**9040.7**
Stddev	6.0	104.	71.7
%RSD	.06997	.09525	.79335
#1	8550.9	109320.	9091.4
#2	8559.3	109470.	8990.0

Sample Name: 280-48787-h-2-a Acquired: 11/9/2013 5:29:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00524**	**.00171**	**.14466**	**.15531**	**.00009**	**.00039**	**19.127**	**.00052**	**-.00024**
Stddev	.00000	.00012	.00051	.00005	.00036	.00001	.00041	.040	.00020	.00012
%RSD	10.705	2.3717	29.664	.03190	.23498	5.6855	105.33	.20826	39.013	49.935
#1	-.00004	.00532	.00135	.14469	.15557	.00010	.00010	19.155	.00067	-.00032
#2	-.00004	.00515	.00207	.14462	.15505	.00009	.00068	19.098	.00038	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00119**	**.04268**	**4.7818**	**.02176**	**11.093**	**.16927**	**.00324**	**137.73**	**.00015**
Stddev	.00002	.00033	.00206	.0178	.00054	.013	.00044	.00014	.03	.00000
%RSD	12.237	27.521	4.8245	.37257	2.4987	.11394	.26066	4.4545	.01884	3.1748
#1	.00016	.00142	.04123	4.7944	.02138	11.102	.16959	.00313	137.71	.00015
#2	.00013	.00096	.04414	4.7692	.02215	11.084	.16896	.00334	137.75	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19503**	**.00052**	**2.1401**	**-.00216**	**.00012**	**11.608**	**24.841**	**-.00130**	**.17749**	**-.00215**
Stddev	.00359	.00003	.0121	.00033	.00164	.001	.003	.00068	.00051	.00080
%RSD	1.8408	6.2415	.56420	15.487	1425.6	.01267	.01267	52.701	.28791	36.912
#1	.19249	.00049	2.1315	-.00192	-.00105	11.609	24.843	-.00081	.17785	-.00272
#2	.19757	.00054	2.1486	-.00240	.00128	11.607	24.839	-.00178	.17713	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00107**	**.03541**	**-.00059**	**.00407**	**.00269**
Stddev	.00038	.00103	.00798	.00014	.00010	.00085
%RSD	122.71	95.576	22.544	23.280	2.4843	31.580
#1	.00057	.00180	.02976	-.00049	.00400	.00209
#2	.00004	.00035	.04105	-.00069	.00414	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8593.5**	**109570.**	**9191.3**
Stddev	8.3	15.	50.2
%RSD	.09624	.01385	.54608
#1	8587.7	109580.	9155.8
#2	8599.4	109560.	9226.8

Sample Name: 280-48787-h-3-a Acquired: 11/9/2013 5:31:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00329**	**.00183**	**.14278**	**.15582**	**.00007**	**-.00213**	**19.048**	**.00050**	**-.00044**
Stddev	.00025	.00007	.00190	.00079	.00100	.00000	.00089	.063	.00010	.00009
%RSD	65.903	2.1417	104.01	.55077	.64226	.62867	41.981	.33272	20.250	21.566
#1	-.00020	.00334	.00048	.14334	.15653	.00007	-.00276	19.093	.00043	-.00037
#2	-.00055	.00324	.00318	.14223	.15511	.00007	-.00150	19.003	.00057	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00178**	**.12213**	**4.7616**	**.02225**	**11.011**	**.17323**	**.00313**	**137.09**	**.00006**
Stddev	.00002	.00041	.00148	.0114	.00052	.005	.00037	.00003	.54	.00014
%RSD	8.4446	23.013	1.2096	.23941	2.3206	.04245	.21623	1.0480	.39551	241.53
#1	.00026	.00206	.12317	4.7697	.02189	11.015	.17349	.00311	137.47	-.00004
#2	.00029	.00149	.12108	4.7536	.02262	11.008	.17297	.00316	136.71	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19399**	**.00003**	**2.0333**	**-.00236**	**-.00015**	**11.565**	**24.748**	**-.00033**	**.17664**	**-.00134**
Stddev	.00321	.00141	.0120	.00204	.00252	.045	.097	.00055	.00014	.00086
%RSD	1.6562	5613.1	.58801	86.536	1657.2	.39275	.39275	170.68	.07980	64.301
#1	.19627	.00102	2.0417	-.00092	-.00194	11.533	24.680	.00007	.17654	-.00073
#2	.19172	-.00097	2.0248	-.00381	.00163	11.597	24.817	-.00072	.17674	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00051**	**-.00517**	**-.00040**	**.00444**	**.00236**
Stddev	.00004	.00000	.00954	.00005	.00049	.00064
%RSD	12.115	.88830	184.50	12.712	10.989	27.278
#1	.00038	.00051	-.01191	-.00036	.00479	.00281
#2	.00032	.00051	.00157	-.00043	.00410	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8545.6**	**109590.**	**9113.0**
Stddev	24.2	324.	61.5
%RSD	.28330	.29528	.67525
#1	8562.7	109360.	9069.5
#2	8528.5	109810.	9156.5

Sample Name: 280-48845-g-1-a Acquired: 11/9/2013 5:33:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00515**	**.00178**	**.13089**	**.24577**	**.00011**	**-.00215**	**21.635**	**.00043**	**-.00050**
Stddev	.00011	.00012	.00425	.00011	.00015	.00000	.00154	.045	.00012	.00024
%RSD	580.88	2.2608	238.98	.08533	.06286	1.7355	71.748	.20896	27.364	47.031
#1	.00006	.00507	.00478	.13096	.24588	.00011	-.00324	21.604	.00035	-.00034
#2	-.00009	.00523	-.00123	.13081	.24566	.00011	-.00106	21.667	.00052	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00146**	**.15767**	**4.5917**	**.02346**	**11.353**	**.37503**	**.00264**	**139.82**	**-.00008**
Stddev	.00014	.00014	.00021	.0286	.00342	.021	.00004	.00017	.59	.00017
%RSD	28.357	9.4560	.13123	.62210	14.591	.18267	.01065	6.3351	.42234	217.44
#1	.00038	.00136	.15752	4.5715	.02104	11.368	.37506	.00276	139.41	-.00020
#2	.00057	.00156	.15782	4.6119	.02588	11.339	.37501	.00252	140.24	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21687**	**.00011**	**4.3882**	**-.00239**	**.00040**	**11.646**	**24.922**	**-.00019**	**.19807**	**-.00170**
Stddev	.00281	.00000	.0015	.00201	.00112	.047	.101	.00010	.00007	.00080
%RSD	1.2949	1.8878	.03403	84.034	280.91	.40667	.40667	53.714	.03675	47.178
#1	.21886	.00011	4.3872	-.00381	-.00039	11.612	24.850	-.00012	.19812	-.00113
#2	.21489	.00011	4.3893	-.00097	.00119	11.679	24.993	-.00026	.19802	-.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00051**	**-.00099**	**-.00028**	**.00529**	**.00149**
Stddev	.00012	.00018	.03977	.00018	.00029	.00147
%RSD	40.997	36.368	4036.5	64.073	5.4860	98.618
#1	.00039	.00038	-.02911	-.00015	.00549	.00252
#2	.00021	.00064	.02714	-.00040	.00508	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8555.5**	**109640.**	**9152.1**
Stddev	3.2	421.	8.2
%RSD	.03786	.38368	.08943
#1	8557.8	109340.	9146.3
#2	8553.2	109940.	9157.9

Sample Name: 280-48845-g-2-a Acquired: 11/9/2013 5:35:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00427**	**.00896**	**.12935**	**.05558**	**.00007**	**-.00127**	**47.385**	**.00038**	**-.00007**
Stddev	.00010	.00002	.00140	.00020	.00009	.00003	.00103	.080	.00005	.00014
%RSD	31.294	.41869	15.580	.15802	.15409	45.503	80.969	.16897	12.083	213.45
#1	-.00024	.00428	.00797	.12950	.05552	.00005	-.00200	47.329	.00041	-.00017
#2	-.00037	.00425	.00995	.12921	.05564	.00010	-.00054	47.442	.00034	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00150**	**4.1602**	**8.7441**	**.01773**	**12.176**	**.40369**	**.01595**	**75.300**	**.00189**
Stddev	.00004	.00041	.0125	.0574	.00295	.029	.00031	.00004	.146	.00007
%RSD	6.4721	27.577	.30106	.65644	16.654	.23470	.07691	.26876	.19330	3.6558
#1	.00068	.00179	4.1514	8.7035	.01981	12.196	.40391	.01598	75.197	.00194
#2	.00062	.00121	4.1691	8.7846	.01564	12.156	.40348	.01592	75.403	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6439**	**-.00025**	**1.7476**	**-.00113**	**.00117**	**12.251**	**26.217**	**-.00018**	**.25280**	**-.00069**
Stddev	.0029	.00042	.0055	.00260	.00170	.007	.015	.00042	.00053	.00081
%RSD	.17385	169.38	.31493	230.98	145.90	.05798	.05798	230.04	.20937	117.22
#1	1.6418	-.00055	1.7437	-.00297	.00237	12.246	26.207	.00011	.25243	-.00126
#2	1.6459	.00005	1.7515	.00071	-.00004	12.256	26.228	-.00048	.25318	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00020**	**.05579**	**.02541**	**.01035**	**.00532**
Stddev	.00014	.00098	.01416	.00021	.00037	.00219
%RSD	5.6574	489.41	25.380	.82883	3.5784	41.170
#1	.00256	.00089	.06581	.02526	.01009	.00377
#2	.00237	-.00049	.04578	.02556	.01061	.00687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8669.4**	**111320.**	**9169.9**
Stddev	11.3	52.	41.0
%RSD	.13037	.04688	.44729
#1	8661.4	111280.	9198.9
#2	8677.3	111360.	9140.8

Sample Name: 280-48845-g-3-a Acquired: 11/9/2013 5:38:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00174**	**.00181**	**.00199**	**-.00027**	**.00008**	**.00177**	**.01407**	**.00031**	**-.00001**
Stddev	.00038	.00009	.00124	.00043	.00025	.00008	.00276	.00002	.00017	.00003
%RSD	255.77	5.4260	68.717	21.742	92.582	99.952	156.30	.12158	54.397	243.32
#1	-.00042	.00180	.00268	.00230	-.00009	.00014	.00372	.01406	.00019	.00001
#2	.00012	.00167	.00093	.00169	-.00044	.00002	-.00019	.01408	.00043	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00091**	**.00455**	**.04621**	**-.00034**	**.00302**	**.00012**	**-.00004**	**.07379**	**-.00021**
Stddev	.00001	.00009	.00070	.00832	.00114	.00060	.00005	.00003	.01490	.00015
%RSD	13.699	9.3782	15.485	18.004	334.67	19.919	39.796	89.993	20.191	69.057
#1	.00007	.00085	.00504	.05209	-.00115	.00344	.00009	-.00006	.08432	-.00031
#2	.00006	.00097	.00405	.04033	.00047	.00259	.00016	-.00001	.06325	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**.00080**	**.00685**	**-.00080**	**-.00009**	**.02697**	**.05772**	**-.00083**	**.00006**	**-.00123**
Stddev	.00139	.00012	.00079	.00004	.00003	.00648	.01386	.00005	.00008	.00072
%RSD	81.124	15.249	11.480	4.6329	33.405	24.009	24.009	6.1338	124.37	58.408
#1	.00073	.00072	.00741	-.00083	-.00007	.02239	.04792	-.00080	.00012	-.00173
#2	.00269	.00089	.00629	-.00077	-.00011	.03155	.06752	-.00087	.00001	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00028**	**.03560**	**-.00055**	**.00559**	**.00173**
Stddev	.00011	.00036	.01995	.00039	.00003	.00136
%RSD	140.31	125.44	56.034	71.560	.60380	78.885
#1	.00000	.00003	.04971	-.00027	.00561	.00076
#2	.00015	.00054	.02150	-.00082	.00556	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8949.6**	**116840.**	**9311.0**
Stddev	5.5	165.	25.6
%RSD	.06197	.14087	.27519
#1	8953.5	116720.	9292.9
#2	8945.7	116950.	9329.2

Sample Name: 280-48892-c-1-b Acquired: 11/9/2013 5:40:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.16109**	**.00265**	**.01570**	**.01355**	**.00010**	**.00168**	**55.600**	**.00037**	**.00004**
Stddev	.00018	.00023	.00118	.00005	.00012	.00003	.00093	.107	.00002	.00010
%RSD	422.91	.14189	44.691	.34496	.85763	32.304	55.344	.19305	6.3343	233.71
#1	.00009	.16093	.00181	.01574	.01347	.00008	.00102	55.676	.00038	-.00003
#2	-.00017	.16126	.00349	.01566	.01364	.00012	.00234	55.524	.00035	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00056**	**.18638**	**2.9032**	**.00480**	**7.1232**	**.05529**	**.00038**	**4.1899**	**.00027**
Stddev	.00000	.00028	.00477	.0273	.00282	.0000	.00002	.00023	.0043	.00023
%RSD	1.0189	50.016	2.5599	.93964	58.793	.00009	.03024	62.120	.10371	87.061
#1	.00042	.00036	.18301	2.8839	.00280	7.1232	.05528	.00021	4.1869	.00043
#2	.00042	.00075	.18976	2.9225	.00679	7.1232	.05530	.00054	4.1930	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52358**	**.00106**	**2.5995**	**-.00081**	**-.00109**	**3.6895**	**7.8955**	**-.00055**	**.08585**	**-.00088**
Stddev	.00177	.00059	.0073	.00091	.00099	.0150	.0322	.00009	.00016	.00011
%RSD	.33780	55.312	.28109	112.01	90.434	.40739	.40739	16.820	.18067	12.646
#1	.52233	.00064	2.5943	-.00017	-.00039	3.6789	7.8728	-.00048	.08596	-.00096
#2	.52483	.00147	2.6047	-.00145	-.00179	3.7001	7.9183	-.00061	.08574	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**.00013**	**.02419**	**.00044**	**.00457**	**.00256**
Stddev	.00019	.00039	.03014	.00005	.00007	.00078
%RSD	5.1774	299.57	124.56	10.315	1.6378	30.386
#1	.00348	-.00015	.00288	.00047	.00462	.00311
#2	.00374	.00041	.04550	.00041	.00451	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8677.9**	**112050.**	**9112.1**
Stddev	31.5	189.	6.3
%RSD	.36305	.16883	.06963
#1	8700.2	112180.	9116.6
#2	8655.6	111910.	9107.6

Sample Name: 280-48892-c-2-b Acquired: 11/9/2013 5:42:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.14760**	**.00138**	**.01979**	**.01890**	**.00013**	**.00156**	**76.302**	**.00046**	**.00006**
Stddev	.00074	.00151	.00007	.00014	.00000	.00002	.00024	.037	.00006	.00004
%RSD	1743.1	1.0205	5.1937	.72917	.02629	16.447	15.697	.04884	12.480	75.941
#1	.00048	.14866	.00133	.01989	.01890	.00011	.00138	76.275	.00051	.00003
#2	-.00056	.14653	.00143	.01969	.01890	.00014	.00173	76.328	.00042	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00120**	**.13910**	**4.6202**	**.00434**	**8.5408**	**.04018**	**.00027**	**6.6983**	**.00033**
Stddev	.00008	.00008	.00225	.0214	.00105	.0681	.00016	.00039	.0037	.00049
%RSD	24.791	7.0006	1.6191	.46364	24.208	.79773	.40901	145.92	.05445	148.47
#1	.00026	.00126	.14070	4.6353	.00360	8.5889	.04029	.00054	6.6957	.00068
#2	.00036	.00114	.13751	4.6050	.00508	8.4926	.04006	-.00001	6.7009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66535**	**.00097**	**4.4086**	**-.00192**	**.00008**	**4.1479**	**8.8765**	**-.00033**	**.11517**	**.00083**
Stddev	.00221	.00042	.0065	.00029	.00087	.0490	.1048	.00055	.00018	.00146
%RSD	.33195	42.985	.14675	15.255	1074.9	1.1804	1.1804	166.14	.15744	175.79
#1	.66691	.00067	4.4132	-.00213	-.00053	4.1133	8.8025	-.00072	.11505	.00186
#2	.66378	.00126	4.4040	-.00172	.00070	4.1825	8.9506	.00006	.11530	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**.00112**	**.00956**	**.00045**	**.00433**	**.00355**
Stddev	.00014	.00102	.04705	.00013	.00011	.00165
%RSD	4.3951	90.949	491.98	27.724	2.5304	46.408
#1	.00312	.00184	-.02371	.00036	.00441	.00472
#2	.00332	.00040	.04283	.00054	.00425	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8554.9**	**109830.**	**8968.7**
Stddev	31.9	828.	60.8
%RSD	.37256	.75386	.67807
#1	8532.4	109250.	8925.7
#2	8577.4	110420.	9011.7

Sample Name: CCVH-2357613 Acquired: 11/9/2013 5:45:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00449**	**50.540**	**.00211**	**.00522**	**-.00033**	**.00012**	W **1.0525**	**.01388**	**.00007**	**-.00077**	**-.00014**	**.00932**
Stddev	.00041	.076	.00204	.00044	.00027	.00011	.0090	.00091	.00019	.00010	.00010	.00026
%RSD	9.1246	.15054	96.618	8.3501	81.284	92.098	.85700	6.5371	267.60	13.121	68.041	2.7560
#1	.00420	50.486	.00067	.00553	-.00014	.00004	1.0588	.01452	.00020	-.00070	-.00021	.00950
#2	.00478	50.594	.00355	.00491	-.00051	.00021	1.0461	.01324	-.00006	-.00085	-.00007	.00914
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.816**	**.09425**	**.00171**	**.07747**	**.00037**	**-.00005**	**266.18**	**-.00024**	**.00028**	**.00243**	**5.0688**	**.00161**
Stddev	.160	.01572	.00233	.00186	.00008	.00000	.67	.00047	.00006	.00112	.0520	.00239
%RSD	.32876	16.680	135.98	2.3974	20.800	3.8757	.25049	199.89	22.072	46.082	1.0264	148.17
#1	48.702	.10536	.00336	.07615	.00043	-.00005	265.71	-.00057	.00024	.00164	5.1056	-.00008
#2	48.929	.08313	.00007	.07878	.00032	-.00005	266.66	.00010	.00033	.00323	5.0320	.00330
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.02320**	**.04964**	**.00017**	**.00034**	**4.8083**	**-.00672**	**-.00014**	**10.047**	**.00045**	**.00228**	**.02896**
Stddev	.00182	.01258	.02691	.00007	.00008	.0122	.00006	.00025	.079	.00032	.00000	.00160
%RSD	905.07	54.213	54.213	41.697	23.745	.25435	.84374	172.85	.78952	71.771	.13846	5.5359
#1	.00109	.03209	.06868	.00012	.00029	4.7996	-.00676	-.00032	9.9906	.00068	.00228	.03010
#2	-.00149	.01431	.03061	.00022	.00040	4.8169	-.00668	.00003	10.103	.00022	.00227	.02783
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8419.3**	**106060.**	**8713.0**
Stddev	8.7	549.	72.7
%RSD	.10376	.51737	.83434
#1	8425.5	105670.	8764.4
#2	8413.1	106450.	8661.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 5:47:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50696**	**.50178**	**1.0218**	**.51592**	**.50849**	**.49698**	**.00201**	**5.0344**	**.51033**	**.50576**	**.50731**	**.51642**	**2.3737**
Stddev	.00000	.00169	.0005	.00207	.00089	.00063	.00157	.0044	.00193	.00170	.00144	.00198	.0127
%RSD	.00090	.33744	.04909	.40130	.17456	.12578	78.124	.08700	.37874	.33545	.28421	.38403	.53330
#1	.50696	.50058	1.0214	.51445	.50786	.49653	.00312	5.0313	.50896	.50456	.50629	.51502	2.3647
#2	.50696	.50297	1.0221	.51738	.50912	.49742	.00090	5.0375	.51170	.50696	.50833	.51782	2.3826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.353**	**1.0078**	**19.888**	**.49872**	**.51930**	**5.3309**	**.51300**	**1.0317**	**1.0387**	**-.00201**	**1.0280**	**1.0280**	**4.9063**
Stddev	.100	.0007	.011	.00043	.00288	.0103	.00058	.0034	.0043	.00100	.0033	.0027	.0107
%RSD	.19053	.06568	.05726	.08582	.55367	.19316	.11355	.33166	.41153	49.615	.32151	.26744	.21778
#1	52.283	1.0074	19.896	.49841	.52134	5.3236	.51259	1.0341	1.0418	-.00272	1.0256	1.0300	4.8987
#2	52.424	1.0083	19.880	.49902	.51727	5.3382	.51341	1.0293	1.0357	-.00131	1.0303	1.0261	4.9138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.499**	**1.0310**	**.50586**	**-.00451**	**.49965**	**1.0262**	**.01771**	**.50771**	**.50457**	**.50144**
Stddev	.023	.0041	.00027	.00018	.00018	.0007	.00491	.00096	.00153	.00163
%RSD	.21778	.39883	.05426	4.0678	.03633	.06906	27.693	.18893	.30415	.32481
#1	10.483	1.0339	.50567	-.00464	.49952	1.0257	.01424	.50703	.50565	.50029
#2	10.516	1.0281	.50606	-.00439	.49978	1.0267	.02118	.50839	.50348	.50260
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8627.8**	**109560.**	**8819.9**
Stddev	19.8	164.	42.2
%RSD	.22931	.14998	.47825
#1	8641.8	109450.	8849.8
#2	8613.8	109680.	8790.1

Sample Name: CCB Acquired: 11/9/2013 5:49:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00088**	**.00076**	**.00125**	**-.00017**	**.00012**	**.00146**	**-.00127**	**.00036**	**-.00012**	**.00005**	**.00001**
Stddev	.00035	.00018	.00279	.00034	.00028	.00002	.00021	.00094	.00022	.00011	.00006	.00022
%RSD	96.132	20.637	368.88	27.489	164.23	16.543	14.380	74.315	61.800	88.968	118.00	2353.4
#1	.00012	.00075	.00273	.00100	-.00036	.00011	.00131	-.00060	.00020	-.00005	.00010	-.00015
#2	.00061	.00101	-.00122	.00149	.00003	.00014	.00161	-.00193	.00052	-.00020	.00001	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.10549**	**.00201**	**.00234**	**.00004**	**.00059**	**.03163**	**.00000**	**.00139**	**.00083**	**.00355**	W **.00534**
Stddev	.00201	.01551	.00145	.00255	.00001	.00015	.00803	.00022	.00090	.00049	.00097	.00035
%RSD	55.954	14.699	71.881	109.05	14.691	26.012	25.378	10404.	64.777	58.552	27.332	6.5715
#1	.00217	.11646	.00304	.00054	.00005	.00048	.03731	.00016	.00203	.00118	.00286	.00559
#2	.00502	.09453	.00099	.00414	.00004	.00070	.02596	-.00016	.00075	.00049	.00423	.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.01917**	**.04102**	**-.00021**	**-.00001**	**-.00083**	**.00020**	**-.00040**	**.04666**	**.00016**	W **.00481**	**.00012**
Stddev	.00095	.00035	.00075	.00061	.00008	.00157	.00038	.00055	.01313	.00033	.00009	.00004
%RSD	40.259	1.8377	1.8377	293.82	1556.6	189.92	189.81	137.13	28.149	205.34	1.8058	33.513
#1	.00169	.01942	.04155	-.00064	.00005	.00028	.00047	-.00079	.03737	-.00007	.00474	.00009
#2	.00304	.01892	.04049	.00022	-.00006	-.00194	-.00007	-.00001	.05594	.00040	.00487	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8579.1**	**111270.**	**8681.1**
Stddev	9.0	196.	50.8
%RSD	.10483	.17575	.58520
#1	8572.7	111410.	8717.0
#2	8585.4	111140.	8645.2

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:51:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.10627**	**.01507**	**.10263**	**.01061**	**.00113**	**.12848**	**.21649**	**.00566**	**.01047**	**.01079**	**.01634**	**.10004**
Stddev	.00104	.00015	.00072	.00021	.00028	.00014	.00213	.00024	.00008	.00009	.00009	.00005	.00068
%RSD	10.130	.14152	4.7952	.20258	2.6257	12.391	1.6592	.10858	1.3759	.82133	.85505	.32910	.68433
#1	.00952	.10638	.01558	.10278	.01041	.00123	.12999	.21632	.00572	.01041	.01085	.01638	.10052
#2	.01099	.10617	.01456	.10248	.01080	.00103	.12697	.21665	.00561	.01053	.01072	.01631	.09956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3020**	**.01114**	**.20800**	**.01033**	**.02107**	**1.1341**	**.04284**	**3.0504**	**.01071**	**.00355**	**.00961**	**.01585**	**.51539**
Stddev	.0396	.00054	.00389	.00004	.00002	.0035	.00095	.0263	.00087	.00139	.00160	.00135	.00173
%RSD	1.1981	4.8559	1.8699	.39270	.11399	.30506	2.2142	.86329	8.1109	39.078	16.662	8.5328	.33569
#1	3.2740	.01152	.20525	.01030	.02109	1.1316	.04351	3.0691	.01009	.00453	.01075	.01489	.51416
#2	3.3300	.01075	.21075	.01036	.02106	1.1365	.04217	3.0318	.01132	.00257	.00848	.01681	.51661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1029**	**.10723**	**.01056**	**.01487**	**.01010**	**.01665**	F **.08627**	**.00996**	**.02550**	**.01793**
Stddev	.0037	.00106	.00002	.00090	.00006	.00025	.05036	.00047	.00001	.00129
%RSD	.33569	.99011	.19964	6.0601	.56885	1.4744	58.372	4.7590	.02765	7.1876
#1	1.1003	.10798	.01057	.01550	.01006	.01648	.05066	.00963	.02551	.01884
#2	1.1055	.10648	.01054	.01423	.01014	.01682	.12188	.01030	.02550	.01702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8731.9**	**112990.**	**8894.7**
Stddev	22.0	51.	5.9
%RSD	.25189	.04521	.06633
#1	8747.5	113030.	8898.9
#2	8716.4	112950.	8890.5

Sample Name: ICIS Acquired: 11/11/2013 15:24:47 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00195**	**.00154**	**-.01478**	**-.00013**	**.00087**	**.00855**	**-.00040**	**-.00098**	**.00624**	**-.00030**	**-.00031**	**-.00021**	**.00362**
Stddev	.00011	.00024	.00020	.00003	.00007	.00118	.00091	.00021	.00037	.00026	.00023	.00001	.00001
%RSD	5.6870	15.676	1.3789	26.754	8.1769	13.753	229.61	21.086	5.9301	88.910	73.797	4.6993	.40248
#1	-.00203	.00137	-.01492	-.00011	.00082	.00772	-.00104	-.00083	.00598	-.00048	-.00047	-.00022	.00363
#2	-.00187	.00171	-.01463	-.00015	.00092	.00938	.00025	-.00112	.00650	-.00011	-.00015	-.00020	.00361

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00076**	**-.00105**	**.00295**	**-.00882**	**-.00001**	**.00001**	**.00015**	**.01775**	**-.01391**	**-.00084**	**.00013**	**.00023**	**-.00043**
Stddev	.00011	.00057	.00044	.00042	.00000	.00000	.00002	.00097	.00024	.00006	.00008	.00003	.00011
%RSD	14.132	54.253	14.781	4.7738	35.184	20.382	11.304	5.4580	1.7283	7.4916	60.175	13.157	25.429
#1	.00069	-.00146	.00326	-.00912	-.00001	.00001	.00013	.01843	-.01408	-.00079	.00007	.00025	-.00035
#2	.00084	-.00065	.00265	-.00852	-.00001	.00002	.00016	.01706	-.01374	-.00088	.00018	.00021	-.00050

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00053**	**.00015**	**.00017**	**.00017**	**.00010**	**-.00241**	**-.00070**	**-.00022**	**-.00030**	**-.00024**	**.00029**	**.00003**	**-.00319**
Stddev	.00005	.00008	.00067	.00067	.00005	.00074	.00003	.00004	.00005	.00000	.00006	.00001	.00068
%RSD	8.8368	51.959	391.82	391.82	45.578	30.463	3.7610	16.903	15.299	1.6854	21.097	16.038	21.387
#1	.00050	.00009	-.00030	-.00030	.00007	-.00189	-.00068	-.00020	-.00033	-.00024	.00025	.00003	-.00271
#2	.00056	.00020	.00065	.00065	.00014	-.00293	-.00072	-.00025	-.00027	-.00025	.00034	.00004	-.00367

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7988.0**	**108580.**	**6609.8**
Stddev	35.6	208.	36.7
%RSD	.44510	.19154	.55580
#1	7962.9	108730.	6635.8
#2	8013.2	108430.	6583.8

Sample Name: ICAL1 Acquired: 11/11/2013 15:27:06 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.19482**	**.23179**	**.09589**	**.27241**	**4.5785**	**6.7042**	**2.0197**	**1.4850**	**.86027**	**.94864**	**.29726**	**.66695**	**5.2031**	**1.9500**
Stddev	.00036	.00117	.00050	.00184	.0120	.0251	.0096	.0118	.00605	.00767	.00014	.00530	.0133	.0023
%RSD	.18428	.50668	.52143	.67469	.26244	.37471	.47354	.79171	.70305	.80893	.04863	.79398	.25555	.11588
#1	.19507	.23262	.09624	.27371	4.5700	6.6864	2.0129	1.4933	.86455	.95407	.29716	.66321	5.1937	1.9484
#2	.19456	.23096	.09553	.27111	4.5870	6.7220	2.0265	1.4766	.85599	.94322	.29736	.67069	5.2125	1.9516

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.91324**	**1.1587**	**.48681**	**1.6359**	**.66685**	**.11274**	**.49444**	**.16848**	**.09353**	**.32507**	**.32507**	**.23417**	**8.7861**	**.27645**
Stddev	.00131	.0006	.00413	.0104	.00448	.00040	.00350	.00195	.00083	.00129	.00129	.00177	.0040	.00102
%RSD	.14359	.04765	.84752	.63318	.67175	.35561	.70857	1.1587	.89046	.39564	.39564	.75542	.04547	.36890
#1	.91417	1.1583	.48973	1.6285	.67002	.11302	.49691	.16986	.09412	.32416	.32416	.23543	8.7833	.27573
#2	.91231	1.1591	.48389	1.6432	.66368	.11245	.49196	.16710	.09294	.32598	.32598	.23292	8.7889	.27717

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17557**	**.20175**	**.02848**	**.32094**
Stddev	.00102	.00008	.00001	.00282
%RSD	.58264	.03831	.02221	.87934
#1	.17629	.20181	.02848	.31894
#2	.17484	.20170	.02847	.32293

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7947.2**	**105600.**	**6651.2**
Stddev	29.4	263.	65.3
%RSD	.36966	.24890	.98123
#1	7926.4	105410.	6697.3
#2	7968.0	105780.	6605.0

Sample Name: ICAL2 Acquired: 11/11/2013 15:29:17 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.6649**	**.19451**	**.60751**	**3.1609**	**.29335**	**.43560**	**.09237**
Stddev	.0060	.00010	.00298	.0076	.00049	.00088	.00013
%RSD	.16375	.05364	.49111	.24085	.16702	.20219	.14277
#1	3.6691	.19443	.60962	3.1663	.29300	.43623	.09227
#2	3.6606	.19458	.60540	3.1555	.29369	.43498	.09246

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7630.4**	**101490.**	**6594.7**
Stddev	6.3	39.	66.4
%RSD	.08204	.03795	1.0066
#1	7626.0	101460.	6547.7
#2	7634.9	101520.	6641.6

Sample Name: S1-2372886 Acquired: 11/11/2013 15:31:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0091**	**1.0124**	**2.0027**	**1.0023**	**1.0117**	**1.0121**	**-.00387**	**10.110**	**1.0049**	**1.0057**	**1.0017**	**1.0107**	**5.0692**
Stddev	.0036	.0048	.0042	.0014	.0032	.0004	.00139	.001	.0002	.0009	.0007	.0013	.0028
%RSD	.35777	.47036	.20750	.14435	.32167	.03758	35.964	.01273	.01780	.09312	.06833	.12840	.05439
#1	1.0065	1.0090	2.0056	1.0033	1.0093	1.0118	-.00485	10.109	1.0050	1.0064	1.0012	1.0098	5.0711
#2	1.0116	1.0158	1.9997	1.0013	1.0140	1.0123	-.00288	10.110	1.0048	1.0051	1.0022	1.0116	5.0672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.15**	**2.0219**	**40.058**	**1.0065**	**.99782**	**10.298**	F **10.998**	**1.0027**	**2.0047**	**2.0017**	**-.00832**	**2.0134**	**1.9951**
Stddev	.03	.0016	.054	.0021	.00092	.044	.177	.0006	.0078	.0064	.00070	.0001	.0029
%RSD	.02941	.08015	.13386	.21220	.09200	.43190	1.6115	.05848	.39102	.32042	8.3753	.00405	.14628
#1	101.13	2.0207	40.096	1.0080	.99847	10.329	11.123	1.0032	1.9991	1.9972	-.00783	2.0134	1.9971
#2	101.17	2.0230	40.020	1.0050	.99717	10.266	10.872	1.0023	2.0102	2.0062	-.00882	2.0135	1.9930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							10.000						
Range							5.0000%						

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.033**	**21.470**	**2.0041**	**1.0114**	**-.01100**	**1.0096**	**2.0067**	**-.01196**	**1.0054**	**1.0017**	**1.0166**
Stddev	.032	.068	.0012	.0021	.00040	.0019	.0034	.01947	.0013	.0040	.0001
%RSD	.31680	.31680	.05765	.21081	3.6326	.19196	.17057	162.84	.12437	.39690	.01454
#1	10.010	21.422	2.0049	1.0099	-.01128	1.0109	2.0092	.00181	1.0063	1.0045	1.0167
#2	10.055	21.518	2.0033	1.0129	-.01071	1.0082	2.0043	-.02573	1.0045	.99889	1.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7939.3**	**105870.**	**6638.9**
Stddev	39.8	570.	1.8
%RSD	.50121	.53852	.02692
#1	7967.5	105470.	6640.2
#2	7911.2	106280.	6637.7

Sample Name: S2-2372887 Acquired: 11/11/2013 15:33:49 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01453	104.13	.00180	.00202	.00008	-.00005	2.0773	.03604	-.00024	-.00061	.00009	.01936	102.79
Stddev	.00015	.13	.00310	.00002	.00002	.00003	.0026	.00326	.00005	.00006	.00001	.00013	.23
%RSD	1.0059	.12057	171.93	1.1386	28.251	49.820	.12590	9.0449	20.985	10.203	16.836	.65160	.22204
#1	.01443	104.04	.00399	.00204	.00006	-.00003	2.0792	.03374	-.00020	-.00056	.00008	.01927	102.63
#2	.01464	104.21	-.00039	.00200	.00009	-.00007	2.0755	.03835	-.00027	-.00065	.00010	.01944	102.95
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19726	.00068	.16742	.00137	.00030	515.67	-.00078	.00004	.00189	10.431	.01446	-.00082	.02587
Stddev	.00826	.00115	.00311	.00004	.00060	.50	.00015	.00170	.00147	.014	.00776	.00029	.00310
%RSD	4.1887	168.97	1.8557	2.8302	201.66	.09651	18.671	4268.0	77.546	.13803	53.652	35.596	11.967
#1	.20310	-.00013	.16522	.00135	-.00013	515.32	-.00088	.00124	.00293	10.441	.00898	-.00061	.02806
#2	.19142	.00149	.16961	.00140	.00072	516.02	-.00068	-.00116	.00085	10.421	.01995	-.00102	.02368
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05536	.00061	.00057	10.316	-.02342	.00187	F 10.168	.00182	-.00031	.10070
Stddev	.00663	.00024	.00004	.002	.00026	.00000	.091	.00049	.00012	.00595
%RSD	11.967	39.355	6.9709	.01537	1.1174	.24457	.89480	26.741	39.434	5.9056
#1	.06005	.00044	.00060	10.317	-.02360	.00187	10.103	.00147	-.00040	.09649
#2	.05068	.00078	.00054	10.314	-.02323	.00186	10.232	.00216	-.00023	.10490
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							20.000			
Range							-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7662.8	100520.	6506.2
Stddev	13.8	161.	48.3
%RSD	.17962	.15993	.74293
#1	7653.1	100630.	6472.0
#2	7672.5	100410.	6540.3

Sample Name: ICVH-2348911 Acquired: 11/11/2013 15:37:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**40.760**	**.00136**	**.00090**	**.00259**	**-.00003**	W **.52861**	**.01383**	**-.00018**	**.00054**	**.00050**	**.00793**
Stddev	.00004	.075	.00050	.00001	.00040	.00006	.00064	.00576	.00010	.00004	.00023	.00065
%RSD	.81473	.18523	36.977	.64698	15.574	223.42	.12179	41.661	55.965	7.9328	45.071	8.1833
#1	.00428	40.814	.00171	.00090	.00287	.00002	.52906	.00975	-.00025	.00051	.00034	.00747
#2	.00433	40.707	.00100	.00089	.00230	-.00007	.52815	.01790	-.00011	.00057	.00066	.00839
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.998**	**.02661**	**.00131**	**.05833**	**.00053**	**-.00015**	**41.843**	**.00080**	**-.00247**	**.00112**	**3.8775**	**.00144**
Stddev	.113	.06427	.00076	.00217	.00012	.00003	.086	.00022	.00121	.00020	.0088	.00225
%RSD	.13994	241.52	58.031	3.7262	23.606	18.170	.20491	28.066	48.807	18.200	.22577	156.83
#1	81.079	-.01884	.00077	.05987	.00061	-.00016	41.904	.00096	-.00333	.00127	3.8713	-.00016
#2	80.918	.07206	.00185	.05679	.00044	-.00013	41.783	.00064	-.00162	.00098	3.8837	.00303
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.01021**	**.02184**	**.00069**	**.00025**	**3.0117**	**-.00767**	**.00062**	**5.1609**	**.00065**	**.00140**	**.03122**
Stddev	.00239	.02152	.04606	.00089	.00017	.0010	.00007	.00014	.0069	.00024	.00030	.00226
%RSD	112.32	210.86	210.86	129.50	66.427	.03411	.91303	22.112	.13436	37.727	21.549	7.2474
#1	-.00382	.02543	.05441	.00132	.00013	3.0109	-.00762	.00072	5.1658	.00082	.00119	.02962
#2	-.00044	-.00501	-.01072	.00006	.00037	3.0124	-.00772	.00053	5.1560	.00048	.00162	.03282
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.2**	**105300.**	**6586.5**
Stddev	3.7	415.	30.7
%RSD	.04558	.39427	.46654
#1	8060.6	105010.	6564.7
#2	8065.8	105590.	6608.2

Sample Name: ICV-2364198 Acquired: 11/11/2013 15:42:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25330**	**.25547**	**.25120**	**.25571**	**.25038**	**.24320**	**.00122**	**2.0215**	**.25176**	**.25382**	**.25210**	**.25183**	**.25106**
Stddev	.00038	.00050	.00096	.00029	.00178	.00106	.00053	.0112	.00127	.00026	.00018	.00235	.00053
%RSD	.14859	.19686	.38062	.11411	.71045	.43742	43.359	.55198	.50436	.10308	.07200	.93506	.21030
#1	.25357	.25583	.25187	.25551	.25164	.24395	.00085	2.0294	.25086	.25364	.25197	.25016	.25068
#2	.25304	.25512	.25052	.25592	.24912	.24244	.00160	2.0136	.25265	.25401	.25223	.25349	.25143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.015**	**.24923**	**10.010**	**.25125**	**.24705**	**2.0373**	**.25494**	**1.9596**	**.25470**	**-.00700**	**.24859**	**.50739**	**1.9933**
Stddev	.004	.00343	.031	.00090	.00014	.0034	.00047	.0000	.00063	.00170	.00068	.00203	.0209
%RSD	.01776	1.3770	.30730	.35983	.05644	.16632	.18587	.00092	.24739	24.368	.27549	.40102	1.0461
#1	20.018	.25166	9.9879	.25061	.24695	2.0397	.25461	1.9596	.25514	-.00579	.24810	.50883	2.0081
#2	20.013	.24681	10.031	.25188	.24715	2.0349	.25528	1.9596	.25425	-.00820	.24907	.50595	1.9786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2658**	**.50380**	**.24814**	**-.00226**	**.24625**	**.52275**	**-.00331**	**.24545**	**.24968**	**.24753**
Stddev	.0446	.00179	.00157	.00041	.00035	.00270	.05386	.00010	.00046	.00185
%RSD	1.0461	.35467	.63303	18.309	.14311	.51695	1626.7	.03970	.18267	.74539
#1	4.2973	.50253	.24925	-.00197	.24601	.52084	-.04140	.24538	.24936	.24884
#2	4.2342	.50506	.24703	-.00255	.24650	.52466	.03478	.24552	.25001	.24623
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8107.4**	**107600.**	**6604.8**
Stddev	5.7	97.	14.9
%RSD	.07069	.08983	.22583
#1	8111.4	107530.	6594.2
#2	8103.3	107670.	6615.3

Sample Name: ICVL2372865 Acquired: 11/11/2013 15:45:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.10692**	**.01643**	**.09874**	**.01056**	**.00103**	**.12290**	**.22283**	**.00527**	**.01097**	**.01067**	**.01612**	**.10838**
Stddev	.00018	.00020	.00020	.00074	.00019	.00013	.00014	.00366	.00005	.00021	.00013	.00004	.00239
%RSD	1.6875	.18558	1.2228	.75123	1.8092	12.309	.11358	1.6415	.85562	1.9399	1.2392	.22157	2.2071
#1	.01073	.10706	.01629	.09821	.01069	.00112	.12280	.22542	.00530	.01082	.01058	.01614	.10669
#2	.01047	.10678	.01657	.09926	.01042	.00094	.12300	.22025	.00523	.01112	.01076	.01609	.11008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1796**	**.01024**	**.21664**	**.01087**	**.02072**	**1.1041**	**.04352**	**2.9678**	**.01073**	**-.00180**	**.01037**	**.01646**	**.52119**
Stddev	.0772	.00021	.00038	.00002	.00004	.0288	.00042	.0058	.00121	.00068	.00009	.00115	.00728
%RSD	2.4276	2.0849	.17731	.22290	.18868	2.6115	.95685	.19465	11.300	37.953	.86593	7.0133	1.3972
#1	3.2342	.01008	.21691	.01089	.02075	1.1245	.04323	2.9638	.01158	-.00229	.01030	.01728	.52634
#2	3.1250	.01039	.21637	.01085	.02070	1.0837	.04382	2.9719	.00987	-.00132	.01043	.01565	.51605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1154**	**.10552**	**.01056**	**.01542**	**.00987**	**.01769**	F **.09575**	**.01054**	**.02307**	**.01727**
Stddev	.0156	.00087	.00027	.00117	.00047	.00039	.01843	.00031	.00064	.00143
%RSD	1.3972	.82344	2.5877	7.5917	4.7141	2.1977	19.248	2.9687	2.7652	8.2895
#1	1.1264	.10614	.01076	.01625	.00954	.01797	.10878	.01032	.02352	.01828
#2	1.1043	.10491	.01037	.01459	.01020	.01742	.08272	.01076	.02262	.01626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8114.5**	**108380.**	**6577.7**
Stddev	9.0	132.	85.5
%RSD	.11049	.12170	1.2994
#1	8120.9	108280.	6517.3
#2	8108.2	108470.	6638.2

Sample Name: CCVH-2372891 Acquired: 11/11/2013 15:49:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**51.479**	**.00018**	**.00072**	**.00048**	**-.00006**	**1.0344**	**.01529**	**-.00014**	**-.00034**	**.00003**	**.01057**	**51.107**
Stddev	.00019	.184	.00237	.00021	.00029	.00009	.0003	.00081	.00007	.00007	.00017	.00054	.629
%RSD	2.7034	.35714	1341.1	29.742	59.898	162.63	.02809	5.3076	52.279	18.997	632.20	5.0896	1.2316
#1	.00707	51.349	.00185	.00057	.00068	.00001	1.0342	.01587	-.00019	-.00039	.00014	.01095	50.662
#2	.00734	51.609	-.00150	.00087	.00028	-.00012	1.0346	.01472	-.00009	-.00030	-.00009	.01018	51.552
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00165**	**.08148**	**.00063**	**-.00025**	**255.55**	**-.00037**	**-.00256**	**.00042**	**5.0772**	**.00156**	**-.00372**	**.02748**
Stddev	.04123	.00083	.00285	.00007	.00010	2.09	.00009	.00085	.00084	.0047	.00026	.00431	.00268
%RSD	16174.	50.530	3.4999	11.378	38.782	.81666	22.930	33.279	199.46	.09301	16.399	115.78	9.7714
#1	-.02941	-.00224	.08349	.00068	-.00018	254.07	-.00031	-.00195	-.00017	5.0805	.00175	-.00067	.02938
#2	.02890	-.00106	.07946	.00058	-.00031	257.02	-.00043	-.00316	.00101	5.0738	.00138	-.00677	.02558
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05880**	**.00041**	**.00016**	**5.0290**	**-.01210**	**.00145**	F **6.1853**	**.00132**	**.00036**	**.05357**
Stddev	.00575	.00045	.00006	.0108	.00006	.00127	.0149	.00040	.00015	.00139
%RSD	9.7714	110.32	39.286	.21484	.52775	87.959	.24110	29.981	42.081	2.5917
#1	.06286	.00009	.00020	5.0366	-.01206	.00055	6.1958	.00160	.00046	.05259
#2	.05474	.00073	.00011	5.0213	-.01215	.00235	6.1747	.00104	.00025	.05456
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7875.8**	**102720.**	**6551.5**
Stddev	38.8	158.	109.3
%RSD	.49303	.15425	1.6677
#1	7848.3	102610.	6628.8
#2	7903.2	102830.	6474.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 15:52:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49807**	**.51038**	**.99054**	**.49423**	**.49990**	**.49628**	**-.00098**	**5.0614**	**.49801**	**.50559**	**.50059**	**.50091**	**2.5049**
Stddev	.00078	.00143	.00087	.00102	.00225	.00034	.00137	.0200	.00092	.00082	.00049	.00001	.0030
%RSD	.15590	.27945	.08794	.20645	.44956	.06759	139.80	.39460	.18387	.16204	.09818	.00286	.11816
#1	.49862	.51139	.98993	.49351	.49831	.49604	-.00195	5.0473	.49737	.50617	.50094	.50092	2.5028
#2	.49752	.50937	.99116	.49495	.50149	.49651	-.00001	5.0755	.49866	.50501	.50025	.50090	2.5070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.789**	**.99586**	**19.824**	**.50181**	**.50096**	**5.1325**	**.50767**	**.97829**	**1.0210**	**-.00443**	**.99560**	**.98872**	**4.9558**
Stddev	.093	.00189	.014	.00041	.00470	.0278	.00263	.00963	.0067	.00153	.00077	.00634	.0314
%RSD	.18732	.19018	.07065	.08192	.93862	.54118	.51749	.98412	.65221	34.413	.07784	.64103	.63272
#1	49.723	.99452	19.814	.50210	.50429	5.1521	.50953	.98510	1.0257	-.00335	.99506	.99320	4.9336
#2	49.855	.99720	19.834	.50152	.49764	5.1129	.50581	.97148	1.0163	-.00551	.99615	.98423	4.9780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.605**	**1.0037**	**.49834**	**-.00429**	**.49926**	**1.0243**	**-.01645**	**.49757**	**.49887**	**.49657**
Stddev	.067	.0019	.00008	.00243	.00026	.0001	.06906	.00087	.00110	.00082
%RSD	.63272	.18728	.01569	56.754	.05304	.00843	419.78	.17387	.22024	.16548
#1	10.558	1.0050	.49839	-.00257	.49908	1.0243	-.06528	.49696	.49810	.49715
#2	10.653	1.0024	.49828	-.00601	.49945	1.0242	.03238	.49818	.49965	.49599
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8004.7**	**106790.**	**6582.8**
Stddev	6.9	366.	62.2
%RSD	.08634	.34259	.94494
#1	7999.8	107050.	6538.8
#2	8009.6	106530.	6626.7

Sample Name: X Acquired: 11/11/2013 15:54:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00102**	**.00226**	**-.00006**	**.00006**	**.00011**	**.00036**	**.00534**	**.00013**	**.00026**	**.00013**	**-.00018**	**.00067**
Stddev	.00058	.00262	.00059	.00047	.00012	.00007	.00125	.00161	.00011	.00032	.00013	.00016	.00298
%RSD	234.14	256.20	26.241	789.88	187.74	66.597	346.23	30.171	81.932	121.18	96.658	85.733	443.55
#1	.00066	.00083	.00184	.00027	.00014	.00016	-.00052	.00420	.00005	.00048	.00022	-.00030	.00278
#2	-.00016	-.00288	.00268	-.00039	-.00002	.00006	.00124	.00647	.00020	.00004	.00004	-.00007	-.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03483**	**-.00139**	**.00093**	**.00009**	**.00037**	**.04489**	**.00001**	**-.00392**	**.00111**	**-.00205**	F **.00977**	**.00042**	**.00608**
Stddev	.03117	.00273	.00125	.00007	.00004	.01024	.00034	.00099	.00010	.00149	.00426	.00327	.02658
%RSD	89.485	196.60	134.65	82.475	11.851	22.804	2428.2	25.308	9.1777	72.628	43.616	772.23	437.49
#1	.01279	-.00332	.00181	.00014	.00040	.03766	.00025	-.00462	.00103	-.00310	.00676	.00274	-.01272
#2	.05686	.00054	.00004	.00004	.00034	.05213	-.00023	-.00322	.00118	-.00100	.01278	-.00189	.02487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01300**	**.00063**	**.00015**	**.00038**	**-.00054**	**.00081**	**-.00589**	**.00035**	**.00263**	**.00185**
Stddev	.05688	.00027	.00020	.00034	.00047	.00057	.01693	.00009	.00022	.00068
%RSD	437.49	42.002	132.80	89.242	87.500	71.345	287.56	24.829	8.4584	36.905
#1	-.02722	.00082	.00029	.00062	-.00020	.00121	.00609	.00029	.00247	.00233
#2	.05322	.00045	.00001	.00014	-.00087	.00040	-.01786	.00041	.00278	.00136
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7987.5**	**107080.**	**6476.7**
Stddev	.5	149.	15.2
%RSD	.00640	.13930	.23402
#1	7987.1	106970.	6466.0
#2	7987.8	107190.	6487.5

Sample Name: ICB Acquired: 11/11/2013 16:01:00 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00521**	**.00224**	**-.00100**	**-.00011**	**-.00002**	**-.00133**	**-.00014**	**.00006**	**.00054**	**-.00008**	**-.00057**	**-.00252**
Stddev	.00021	.00006	.00012	.00029	.00018	.00003	.00082	.00483	.00010	.00021	.00008	.00000	.00016
%RSD	310.50	1.2040	5.1397	28.484	160.39	142.09	61.420	3408.0	171.98	38.701	110.87	.31327	6.3108
#1	.00021	-.00525	.00232	-.00121	.00002	.00000	-.00191	.00328	.00013	.00069	-.00002	-.00056	-.00241
#2	-.00008	-.00516	.00216	-.00080	-.00024	-.00004	-.00075	-.00356	-.00001	.00039	-.00014	-.00057	-.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02582**	**-.00151**	**-.00126**	**.00008**	**.00016**	**-.03408**	**.00028**	**-.00341**	**-.00031**	**-.00200**	**-.00062**	**.00187**	**.00595**
Stddev	.04674	.00065	.00049	.00003	.00019	.00425	.00003	.00052	.00017	.00019	.00137	.00050	.00614
%RSD	181.03	43.121	39.186	34.497	118.30	12.485	9.4084	15.225	55.075	9.5748	219.95	26.763	103.14
#1	-.05887	-.00197	-.00161	.00006	.00029	-.03709	.00026	-.00378	-.00042	-.00187	-.00159	.00152	.01029
#2	.00723	-.00105	-.00091	.00010	.00003	-.03107	.00030	-.00304	-.00019	-.00214	.00035	.00223	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01274**	**.00028**	**-.00002**	**-.00153**	**-.00050**	**.00029**	**.02094**	**.00047**	**-.00036**	**.00211**
Stddev	.01314	.00037	.00004	.00136	.00004	.00049	.00599	.00024	.00010	.00105
%RSD	103.14	129.56	161.96	89.163	7.9897	167.55	28.586	50.788	26.989	49.731
#1	.02203	.00054	.00000	-.00249	-.00047	.00064	.02517	.00064	-.00043	.00137
#2	.00345	.00002	-.00005	-.00056	-.00053	-.00005	.01671	.00030	-.00029	.00285
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.0**	**109520.**	**6630.0**
Stddev	28.7	71.	.1
%RSD	.35327	.06464	.00163
#1	8113.7	109570.	6630.0
#2	8154.3	109470.	6629.9

Sample Name: CRI-2372864 Acquired: 11/11/2013 16:04:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.10011**	**.01137**	**.09273**	**.00471**	**.00096**	**.12046**	**.20820**	**.00487**	**.00542**	**.01006**	**.00999**
Stddev	.00064	.00010	.00230	.00060	.00000	.00002	.00009	.00602	.00013	.00014	.00003	.00025
%RSD	6.1427	.10237	20.194	.64417	.02440	1.5991	.07290	2.8935	2.5840	2.6278	.29289	2.5347
#1	.01080	.10018	.01299	.09316	.00471	.00097	.12052	.20394	.00478	.00552	.01004	.00981
#2	.00990	.10003	.00975	.09231	.00471	.00095	.12040	.21246	.00496	.00532	.01009	.01016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02734**	**.95673**	**.00814**	**.19702**	**.00306**	**.00965**	**.98413**	**.01062**	**.92402**	**.00262**	**.08782**	**.00939**
Stddev	.00123	.01535	.00073	.00032	.00005	.00011	.00873	.00005	.00073	.00114	.00180	.00160
%RSD	4.5038	1.6049	8.9826	.16382	1.7010	1.1713	.88753	.51776	.07874	43.522	2.0531	17.081
#1	.02821	.94587	.00865	.19725	.00302	.00973	.97795	.01066	.92351	.00181	.08910	.00825
#2	.02647	.96759	.00762	.19679	.00310	.00957	.99031	.01058	.92454	.00342	.08655	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.50306**	**1.0765**	**.02018**	**.00502**	F **.00448**	**.00903**	**.01068**	**.04925**	**.01005**	**.01196**	W **.01206**
Stddev	.00105	.00109	.0023	.00015	.00011	.00063	.00003	.00032	.03360	.00043	.00050	.00196
%RSD	12.601	.21689	.21689	.76486	2.1929	14.179	.35307	2.9627	68.221	4.2309	4.1908	16.277
#1	.00761	.50383	1.0782	.02007	.00510	.00403	.00905	.01090	.07301	.01035	.01160	.01345
#2	.00910	.50228	1.0749	.02029	.00494	.00493	.00900	.01045	.02549	.00975	.01231	.01067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value						.01000						.01000
Range						-50.000%						20.490%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8235.9**	**110700.**	**6627.3**
Stddev	.5	563.	72.4
%RSD	.00603	.50831	1.0921
#1	8235.6	111090.	6678.4
#2	8236.3	110300.	6576.1

Sample Name: ICSA-2295334 Acquired: 11/11/2013 16:09:26 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	R **507.74**	**-.00293**	**-.00122**	**.00023**	**.00004**	W **-.03006**	**463.18**	W **.00095**	**-.00058**	W **.00188**
Stddev	.00037	3.43	.00353	.00043	.00013	.00001	.00219	22.86	.00026	.00009	.00013
%RSD	204680.	.67535	120.41	35.361	53.640	34.983	7.2824	4.9358	27.157	15.716	6.9303
#1	.00026	505.32	-.00543	-.00152	.00015	.00005	-.03161	447.01	.00077	-.00051	.00179
#2	-.00026	510.17	-.00044	-.00091	.00032	.00003	-.02851	479.34	.00113	-.00064	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit							.01200		.00080		.00186
Low Limit							-.01200		-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**187.99**	**.08984**	W **.00993**	**486.63**	W **.00057**	**-.00005**	**.16471**	**-.00098**	**-.00670**	**.00050**
Stddev	.00038	1.18	.05818	.00170	1.73	.00005	.00007	.06644	.00007	.00188	.00002
%RSD	16.544	.63025	64.756	17.154	.35645	9.4824	165.23	40.337	7.2863	28.030	3.5022
#1	.00201	187.15	.04870	.01114	485.41	.00053	.00001	.11773	-.00103	-.00802	.00051
#2	.00254	188.83	.13098	.00873	487.86	.00061	-.00010	.21169	-.00093	-.00537	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07746**	**.00235**	**.00113**	**.00135**	**.00289**	**.00107**	W **.01529**	W **.01218**	W **-.00109**	**-.00135**	**-.02751**
Stddev	.00032	.00122	.00164	.00707	.01514	.00063	.00013	.00136	.00017	.00178	.06227
%RSD	.41521	52.094	145.21	524.29	524.29	58.985	.84118	11.193	15.900	132.52	226.38
#1	-.07769	.00148	.00228	-.00365	-.00782	.00151	.01538	.01314	-.00122	-.00261	-.07154
#2	-.07723	.00322	-.00003	.00635	.01359	.00062	.01520	.01122	-.00097	-.00008	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.00050	.00800	.00100		
Low Limit							-.00050	-.00800	-.00100		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00011**	**-.00369**	**.00051**
Stddev	.00026	.00002	.00143
%RSD	236.76	.57700	280.75
#1	-.00008	-.00371	.00153
#2	.00030	-.00368	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7316.1**	**92993.**	**6491.0**
Stddev	36.5	259.	91.0
%RSD	.49890	.27867	1.4020
#1	7290.3	92810.	6555.3
#2	7341.9	93177.	6426.6

Sample Name: ICSAB-2363707 Acquired: 11/11/2013 16:12:23 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0690**	R **508.78**	**1.9458**	**1.8041**	**.50197**	**.48311**	**.99464**	**454.77**	**.98426**	**.45633**	**.47761**	**.52697**	**187.92**
Stddev	.0032	7.22	.0020	.0014	.00508	.00747	.00431	2.55	.00027	.00057	.00018	.00164	2.21
%RSD	.29423	1.4197	.10176	.07495	1.0114	1.5467	.43303	.56115	.02716	.12522	.03873	.31208	1.1751
#1	1.0712	503.67	1.9472	1.8051	.49838	.47782	.99768	456.57	.98445	.45673	.47774	.52814	186.35
#2	1.0668	513.89	1.9444	1.8032	.50556	.48839	.99159	452.96	.98407	.45592	.47748	.52581	189.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.159**	**1.0594**	**481.75**	**.49704**	**.93526**	**52.394**	**.89910**	**1.8699**	**.88656**	**.90099**	**.95999**	**4.5872**	**9.6845**
Stddev	.772	.0113	8.76	.00076	.00036	.523	.00061	.0057	.00120	.00732	.00022	.0067	.1709
%RSD	1.4517	1.0685	1.8192	.15258	.03801	.99830	.06730	.30265	.13531	.81223	.02258	.14562	1.7647
#1	52.614	1.0514	487.94	.49758	.93552	52.024	.89952	1.8739	.88571	.90617	.95984	4.5825	9.5637
#2	53.705	1.0674	475.55	.49651	.93501	52.764	.89867	1.8659	.88741	.89582	.96015	4.5919	9.8054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.725**	**8.7115**	**1.0062**	**2.0347**	**.98121**	**8.0864**	**.00051**	**.49825**	**.96312**	**.99045**
Stddev	.366	.0018	.0118	.0097	.00305	.0060	.02573	.00104	.00208	.01128
%RSD	1.7647	.02058	1.1764	.47461	.31134	.07426	5042.7	.20973	.21627	1.1393
#1	20.466	8.7128	.99779	2.0416	.98337	8.0906	.01870	.49899	.96459	.98248
#2	20.984	8.7102	1.0145	2.0279	.97905	8.0822	-.01768	.49751	.96164	.99843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7356.0**	**93349.**	**6444.0**
Stddev	19.9	490.	93.4
%RSD	.27009	.52532	1.4498
#1	7370.1	93002.	6510.0
#2	7342.0	93696.	6377.9

Sample Name: Na 5000 Acquired: 11/11/2013 16:15:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.01083**	**-.00093**	**.00080**	**.00043**	**.00003**	**.00347**	**.04296**	**-.00017**	**-.00003**
Stddev	.00021	.00020	.00012	.00077	.00032	.00009	.00206	.00191	.00017	.00019
%RSD	44.356	1.8190	12.734	96.863	75.985	301.73	59.491	4.4355	100.25	666.85
#1	-.00061	.01097	-.00084	.00134	.00066	.00009	.00493	.04431	-.00005	.00010
#2	-.00032	.01069	-.00101	.00025	.00020	-.00003	.00201	.04161	-.00029	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00056**	**.00989**	**8.5753**	**.00737**	**.03203**	**.00040**	**.00017**	RW **5219.8**	**.00034**
Stddev	.00018	.00026	.00026	1.1171	.00294	.00042	.00004	.00008	3.6	.00018
%RSD	324.40	46.850	2.6332	13.027	39.922	1.3133	9.4191	44.782	.06884	52.010
#1	.00007	.00037	.00970	7.7854	.00529	.03233	.00037	.00022	5222.4	.00022
#2	-.00018	.00074	.01007	9.3652	.00945	.03174	.00042	.00012	5217.3	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00110**	**.02091**	**-.00053**	**-.00147**	**.02283**	**.04886**	**.00084**	**.00025**	**-.00449**
Stddev	.00150	.00015	.00083	.00007	.00007	.02868	.06137	.00026	.00005	.00068
%RSD	122.55	13.346	3.9866	13.673	4.9989	125.61	125.61	30.536	20.092	15.182
#1	.00016	-.00099	.02150	-.00059	-.00142	.04311	.09226	.00102	.00021	-.00401
#2	.00229	-.00120	.02032	-.00048	-.00153	.00255	.00546	.00066	.00028	-.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00054**	**.00163**	**.00086**	**.00473**	**.00074**
Stddev	.00064	.00026	.00761	.00074	.00049	.00207
%RSD	125.66	47.327	467.57	85.237	10.418	279.85
#1	-.00006	.00036	.00701	.00138	.00508	.00220
#2	-.00096	.00072	-.00375	.00034	.00438	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6593.1**	**81694.**	**6131.6**
Stddev	12.1	31.	48.8
%RSD	.18422	.03776	.79529
#1	6584.5	81672.	6166.1
#2	6601.7	81716.	6097.1

Sample Name: LRA-2305343 Acquired: 11/11/2013 16:19:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.2413	.57213	9.6768	9.2144	12.077	-.00591	-.12682	.00888	2.0191	4.9734	10.033	10.278	R 502.58
Stddev	.0015	.00062	.0011	.0207	.112	.00008	.00092	.00286	.0024	.0064	.023	.003	.14
%RSD	.12066	.10862	.01154	.22405	.93135	1.3491	.72888	32.158	.11961	.12944	.22483	.03143	.02805
#1	1.2402	.57170	9.6776	9.2290	11.997	-.00597	-.12617	.00686	2.0208	4.9779	10.049	10.276	502.67
#2	1.2423	.57257	9.6760	9.1998	12.156	-.00586	-.12747	.01090	2.0174	4.9688	10.017	10.280	502.48
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03741	-.00104	.00804	9.8803	4.9063	.63034	10.012	.00429	10.052	-.08555	-.10979	4.7344	47.724
Stddev	.07036	.00081	.00075	.0144	.0198	.04717	.020	.00125	.016	.00332	.00263	.0054	.088
%RSD	188.08	77.787	9.2751	.14541	.40406	7.4836	.20376	29.063	.15979	3.8783	2.3979	.11324	.18384
#1	.08716	-.00161	.00857	9.8905	4.9203	.66370	10.027	.00341	10.063	-.08789	-.11165	4.7382	47.662
#2	-.01234	-.00047	.00752	9.8701	4.8923	.59699	9.9977	.00518	10.040	-.08320	-.10793	4.7307	47.786
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	102.13	.01568	10.048	.02715	9.9272	4.8385	-.01695	9.9122	9.6362	-.00536
Stddev	.19	.00104	.209	.00026	.0036	.0172	.01966	.0001	.0224	.00031
%RSD	.18384	6.6385	2.0774	.95695	.03632	.35579	116.02	.00099	.23235	5.7516
#1	102.00	.01494	10.195	.02696	9.9247	4.8507	-.00304	9.9121	9.6521	-.00515
#2	102.26	.01641	9.9001	.02733	9.9298	4.8264	-.03085	9.9123	9.6204	-.00558
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7947.4	106470.	6621.1
Stddev	27.3	81.	4.0
%RSD	.34400	.07580	.06067
#1	7928.1	106530.	6624.0
#2	7966.7	106410.	6618.3

Sample Name: CCVH-2372891 Acquired: 11/11/2013 16:22:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00764**	**51.230**	**.00459**	**.01348**	**.00039**	**-.00004**	**1.0177**	**.01457**	**.00002**	**-.00005**	**.00025**	**.01186**	**50.272**
Stddev	.00062	.089	.00025	.00086	.00027	.00012	.0028	.00233	.00014	.00004	.00034	.00165	.099
%RSD	8.0763	.17448	5.4636	6.3586	69.713	323.85	.27731	16.011	827.58	71.234	136.71	13.916	.19694
#1	.00807	51.167	.00441	.01408	.00058	.00005	1.0197	.01622	.00012	-.00003	.00048	.01303	50.202
#2	.00720	51.293	.00477	.01287	.00020	-.00012	1.0157	.01292	-.00008	-.00008	.00001	.01070	50.342
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06773**	**-.00147**	**.07890**	**.00186**	**.00078**	**253.43**	**-.00012**	**-.00144**	**.00124**	**5.0587**	**-.00096**	**.00047**	**.03492**
Stddev	.00736	.00131	.00050	.00139	.00034	.52	.00003	.00065	.00109	.0203	.00199	.00337	.00592
%RSD	10.863	89.254	.63471	74.861	43.234	.20639	24.014	45.252	87.498	.40215	207.88	714.48	16.948
#1	.06253	-.00240	.07926	.00284	.00054	253.80	-.00010	-.00098	.00047	5.0731	.00045	.00285	.03910
#2	.07293	-.00054	.07855	.00087	.00102	253.06	-.00014	-.00190	.00201	5.0443	-.00237	-.00191	.03073
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07473**	**-.00005**	**.00066**	**4.9913**	**-.00993**	**.00254**	F **6.0738**	**.00274**	**.00200**	**.05044**
Stddev	.01266	.00035	.00003	.0103	.00111	.00008	.0561	.00150	.00154	.00004
%RSD	16.948	754.83	4.2642	.20659	11.170	3.0677	.92329	54.839	76.779	.07001
#1	.08368	.00020	.00064	4.9840	-.00915	.00248	6.1134	.00381	.00309	.05041
#2	.06577	-.00029	.00068	4.9985	-.01072	.00259	6.0341	.00168	.00092	.05046
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7937.3**	**103520.**	**6611.8**
Stddev	32.9	453.	20.5
%RSD	.41427	.43767	.30951
#1	7960.6	103840.	6597.4
#2	7914.1	103200.	6626.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 16:24:29 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49059**	**.50671**	**.97321**	**.49643**	**.50035**	**.49282**	**-.00050**	**5.0617**	**.49413**	**.50391**	**.49634**	**.49770**	**2.5092**
Stddev	.00020	.00002	.00000	.00049	.00109	.00364	.00013	.0426	.00108	.00031	.00048	.00129	.0122
%RSD	.04053	.00427	.00028	.09776	.21847	.73918	25.638	.84111	.21883	.06112	.09735	.25822	.48785
#1	.49073	.50672	.97321	.49609	.49958	.49025	-.00041	5.0316	.49336	.50413	.49668	.49679	2.5006
#2	.49045	.50669	.97322	.49677	.50113	.49540	-.00060	5.0918	.49489	.50370	.49600	.49861	2.5179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.054**	**.99252**	**19.567**	**.49934**	**.49603**	**5.2761**	**.50095**	**.96846**	**1.0110**	**-.00987**	**.98968**	**.98297**	**4.9388**
Stddev	.297	.00683	.016	.00195	.00212	.0043	.00157	.00519	.0048	.00198	.00134	.00177	.0319
%RSD	.59369	.68835	.08235	.39020	.42817	.08164	.31382	.53557	.47672	20.045	.13506	.17957	.64551
#1	49.844	.98769	19.579	.49796	.49753	5.2730	.50206	.97213	1.0144	-.00847	.98874	.98172	4.9163
#2	50.264	.99735	19.556	.50072	.49453	5.2791	.49984	.96479	1.0076	-.01127	.99063	.98421	4.9614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.569**	**.99295**	**.49734**	**-.00277**	**.49774**	**1.0166**	**.01736**	**.49695**	**.49839**	**.49669**
Stddev	.068	.00281	.00185	.00184	.00205	.0000	.01611	.00103	.00114	.00120
%RSD	.64551	.28282	.37197	66.385	.41196	.00408	92.806	.20687	.22943	.24197
#1	10.521	.99097	.49603	-.00407	.49630	1.0166	.00597	.49623	.49758	.49584
#2	10.617	.99494	.49865	-.00147	.49919	1.0166	.02875	.49768	.49919	.49754
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8157.5**	**107940.**	**6629.6**
Stddev	16.3	668.	69.7
%RSD	.19940	.61850	1.0516
#1	8169.0	108410.	6678.9
#2	8146.0	107470.	6580.3

Sample Name: CCB Acquired: 11/11/2013 16:26:36 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00333**	**.00300**	W **.00576**	**.00023**	**.00004**	**.00079**	**.00201**	**.00001**	**.00027**	**.00008**	**-.00060**
Stddev	.0000	.00104	.00085	.00021	.00022	.00001	.00292	.00362	.00001	.00017	.00015	.00005
%RSD	173.52	31.327	28.413	3.7173	94.268	12.384	368.08	180.38	134.23	61.191	180.40	8.5106
#1	-.00001	-.00407	.00240	.00592	.00039	.00005	-.00127	.00457	.00000	.00015	.00019	-.00063
#2	.00000	-.00259	.00361	.00561	.00008	.00004	.00285	-.00055	.00001	.00039	-.00002	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.05535**	**-.00219**	**.00372**	**.00015**	**.00044**	W **.14965**	**.00006**	**-.00560**	**-.00010**	**-.00548**	F **.00934**
Stddev	.00057	.02473	.00134	.00025	.00001	.00008	.00356	.00009	.00166	.00023	.00058	.00268
%RSD	34.834	44.678	61.328	6.6723	7.8518	17.368	2.3794	159.65	29.612	222.06	10.669	28.695
#1	-.00124	.03787	-.00314	.00354	.00014	.00039	.15217	.00012	-.00443	-.00026	-.00589	.00744
#2	-.00206	.07284	-.00124	.00389	.00016	.00050	.14714	-.00001	-.00677	.00006	-.00506	.01123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.02749**	**.05884**	**.00071**	**.00013**	**-.00037**	**-.00048**	**.00046**	**-.00156**	**.00040**	**.00227**	W **.00373**
Stddev	.00101	.00683	.01461	.00034	.00007	.00019	.00002	.00077	.02758	.00004	.00010	.00166
%RSD	54.954	24.827	24.827	48.523	49.757	51.575	3.1713	167.36	1763.8	9.1125	4.5053	44.501
#1	.00113	.03232	.06917	.00095	.00018	-.00051	-.00049	.00101	-.02107	.00042	.00220	.00256
#2	.00256	.02267	.04851	.00047	.00009	-.00024	-.00047	-.00008	.01794	.00037	.00234	.00491
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.0**	**108940.**	**6591.5**
Stddev	10.7	546.	58.0
%RSD	.13186	.50137	.88046
#1	8107.4	108550.	6550.4
#2	8122.6	109320.	6632.5

Sample Name: CCVL2372865 Acquired: 11/11/2013 16:28:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.10617**	**.01637**	**.10256**	**.01063**	**.00100**	**.12271**	**.22057**	**.00525**	**.01098**	**.01073**	**.01536**	**.10718**
Stddev	.00070	.00077	.00158	.00091	.00005	.00006	.00122	.00120	.00006	.00030	.00025	.00036	.00126
%RSD	6.4047	.72456	9.6750	.89069	.43529	5.6960	.99481	.54310	1.0925	2.6896	2.3230	2.3501	1.1770
#1	.01143	.10563	.01749	.10321	.01060	.00104	.12357	.22141	.00521	.01077	.01090	.01562	.10629
#2	.01044	.10672	.01525	.10191	.01066	.00096	.12185	.21972	.00529	.01119	.01055	.01511	.10807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1038**	**.00922**	**.21063**	**.01053**	**.02043**	**1.1759**	**.04299**	**2.9429**	**.00965**	**-.00514**	**.00927**	**.01154**	**.52162**
Stddev	.0138	.00208	.00129	.00003	.00001	.0026	.00023	.0086	.00017	.00087	.00092	.00304	.00383
%RSD	.44593	22.543	.61136	.32291	.06420	.21872	.53160	.29375	1.8114	16.818	9.9265	26.311	.73427
#1	3.0940	.00775	.20972	.01051	.02044	1.1777	.04315	2.9490	.00953	-.00576	.00993	.00939	.51891
#2	3.1136	.01069	.21154	.01056	.02042	1.1741	.04283	2.9368	.00978	-.00453	.00862	.01369	.52432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1163**	**.10536**	**.01057**	**.01507**	**.00977**	**.01664**	F **.03794**	**.01056**	**.02322**	**.01856**
Stddev	.0082	.00059	.00009	.00047	.00019	.00024	.03199	.00027	.00030	.00018
%RSD	.73427	.56336	.88681	3.0906	1.9110	1.4299	84.314	2.5219	1.2805	.96831
#1	1.1105	.10578	.01050	.01474	.00963	.01648	.01532	.01037	.02343	.01843
#2	1.1221	.10494	.01063	.01540	.00990	.01681	.06056	.01075	.02301	.01868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.1**	**114500.**	**6849.1**
Stddev	15.4	345.	56.8
%RSD	.18149	.30154	.82932
#1	8514.0	114260.	6808.9
#2	8492.2	114750.	6889.2

Sample Name: mb 280-199576/1-a Acquired: 11/11/2013 16:31:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00159**	**.00265**	**.00287**	**-.00025**	**-.00002**	**.00284**	**.00857**	**.00008**	**.00024**
Stddev	.00029	.00012	.00124	.00036	.00005	.00004	.00001	.00127	.00011	.00020
%RSD	56.206	7.4072	46.883	12.537	18.688	228.20	.25938	14.855	144.46	83.513
#1	.00071	-.00151	.00177	.00312	-.00028	.00001	.00284	.00947	.00000	.00038
#2	.00031	-.00167	.00353	.00262	-.00022	-.00004	.00283	.00767	.00016	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00006**	**.01321**	**.04287**	**-.00104**	**-.00082**	**.00035**	**.00001**	**.09980**	**.00039**
Stddev	.00002	.00019	.00245	.01613	.00180	.00011	.00007	.00019	.00312	.00000
%RSD	11.416	338.88	18.513	37.617	174.25	13.420	20.343	1527.0	3.1312	1.2456
#1	.00016	.00019	.01148	.05427	-.00231	-.00074	.00040	-.00012	.10201	.00039
#2	.00019	-.00008	.01494	.03147	.00024	-.00090	.00030	.00014	.09759	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00327**	**.00095**	**.00126**	**-.00096**	**-.00122**	**.01176**	**.02517**	**.00084**	**.00003**	**.00083**
Stddev	.00051	.00008	.00209	.00095	.00060	.00001	.00003	.00048	.00006	.00073
%RSD	15.457	8.0358	165.18	99.560	49.525	.12314	.12314	57.005	184.04	88.257
#1	-.00363	.00101	-.00021	-.00163	-.00079	.01177	.02520	.00118	.00007	.00134
#2	-.00291	.00090	.00274	-.00028	-.00165	.01175	.02515	.00050	-.00001	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00019**	**-.00023**	**.00032**	**.00570**	**.00379**
Stddev	.00023	.00014	.00872	.00037	.00010	.00235
%RSD	48.453	69.954	3740.8	115.51	1.6917	61.952
#1	-.00063	-.00029	.00594	.00006	.00577	.00213
#2	-.00031	-.00010	-.00640	.00058	.00563	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8531.5**	**115380.**	**7126.6**
Stddev	29.4	473.	13.1
%RSD	.34517	.40973	.18374
#1	8510.7	115710.	7117.3
#2	8552.3	115040.	7135.9

Sample Name: lcs 280-199576/2-a Acquired: 11/11/2013 16:33:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04953**	**1.8893**	**.97067**	**.98067**	**2.0214**	**.04939**	**2.1700**	**48.706**	**.10342**	**.48901**
Stddev	.00008	.0015	.00089	.00293	.0030	.00017	.0034	.141	.00036	.00103
%RSD	.17141	.07848	.09126	.29909	.14897	.34684	.15784	.28945	.34356	.21006
#1	.04959	1.8904	.97130	.98275	2.0193	.04927	2.1724	48.606	.10367	.48974
#2	.04947	1.8883	.97004	.97860	2.0235	.04951	2.1676	48.805	.10316	.48828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19868**	**.25467**	**1.0672**	**50.081**	**.99267**	**48.394**	**.49313**	**.98596**	**51.646**	**.48826**
Stddev	.00014	.00024	.0031	.103	.00087	.003	.00009	.00220	.315	.00122
%RSD	.06821	.09509	.29027	.20535	.08808	.00528	.01777	.22320	.60974	.25076
#1	.19877	.25484	1.0650	50.009	.99329	48.395	.49319	.98752	51.423	.48913
#2	.19858	.25450	1.0694	50.154	.99205	48.392	.49307	.98441	51.868	.48740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8741**	**.48109**	**-.01109**	**.48537**	**1.9498**	**9.8178**	**21.010**	**1.9408**	**1.0024**	**1.0073**
Stddev	.0395	.00046	.00071	.00689	.0214	.0635	.136	.0149	.0013	.0007
%RSD	.39977	.09489	6.4254	1.4192	1.0988	.64638	.64638	.76778	.12480	.07145
#1	9.9020	.48141	-.01160	.49024	1.9649	9.7729	20.914	1.9514	1.0015	1.0078
#2	9.8462	.48076	-.01059	.48050	1.9346	9.8627	21.106	1.9303	1.0032	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99519**	**1.9269**	**2.1374**	**.50059**	**.48902**	**.51099**
Stddev	.00145	.0159	.0135	.00098	.00006	.00291
%RSD	.14523	.82696	.62945	.19649	.01253	.57016
#1	.99417	1.9382	2.1279	.50128	.48906	.50893
#2	.99621	1.9157	2.1469	.49989	.48898	.51305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8180.1**	**108310.**	**6991.9**
Stddev	22.8	173.	49.4
%RSD	.27901	.15939	.70608
#1	8163.9	108430.	7026.8
#2	8196.2	108190.	6957.0

Sample Name: 280-48773-c-1-a@10 Acquired: 11/11/2013 16:35:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00530**	**.00140**	**.13609**	**.00393**	**-.00003**	**.00054**	**2.1839**	**.00004**	**.00023**
Stddev	.00036	.00000	.00101	.00013	.00154	.00005	.00017	.0457	.00021	.00011
%RSD	78.710	.05349	72.395	.09340	39.316	173.97	31.184	2.0905	483.28	48.819
#1	.00020	.00530	.00212	.13600	.00283	-.00007	.00065	2.1516	-.00011	.00015
#2	.00071	.00530	.00068	.13618	.00502	.00001	.00042	2.2162	.00020	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00057**	**.01745**	**.10758**	**.00406**	**.79813**	**.01271**	**.00382**	**96.932**	**.00095**
Stddev	.00003	.00028	.00071	.04123	.00113	.00221	.00014	.00014	.930	.00007
%RSD	39.626	50.046	4.0774	38.330	27.808	.27732	1.0725	3.6650	.95959	7.1694
#1	.00011	.00077	.01695	.07842	.00326	.79656	.01261	.00372	97.590	.00100
#2	.00006	.00037	.01795	.13673	.00485	.79969	.01281	.00392	96.274	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00007**	**25.314**	**-.00187**	**.00049**	**.47149**	**1.0090**	**.00345**	**.06774**	**-.00041**
Stddev	.00095	.00118	.011	.00022	.00336	.03327	.0712	.00036	.00098	.00038
%RSD	12.992	1694.5	.04183	11.600	684.07	7.0572	7.0572	10.454	1.4439	93.616
#1	.00662	.00076	25.321	-.00202	.00287	.44796	.95863	.00319	.06705	-.00068
#2	.00796	-.00090	25.306	-.00171	-.00189	.49502	1.0593	.00370	.06843	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00283**	**.02016**	**.00059**	**.00643**	**.00245**
Stddev	.00023	.00129	.06164	.00034	.00036	.00124
%RSD	98.146	45.470	305.82	57.340	5.5693	50.484
#1	-.00039	.00374	.06374	.00082	.00668	.00333
#2	-.00007	.00192	-.02343	.00035	.00618	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8087.9**	**107560.**	**6866.3**
Stddev	3.8	780.	18.4
%RSD	.04654	.72496	.26733
#1	8090.6	108110.	6853.3
#2	8085.3	107010.	6879.2

Sample Name: 280-48773-c-1-aSD@50 Acquired: 11/11/2013 16:37:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00605**	**-.00040**	**.02872**	**.00073**	**-.00005**	**.00139**	**.43915**	**.00014**	**.00030**
Stddev	.00012	.00002	.00255	.00003	.00006	.00001	.00004	.00458	.00007	.00013
%RSD	39.354	.27263	631.60	.09823	8.8730	11.748	2.6321	1.0421	50.496	43.631
#1	.00021	.00604	.00140	.02870	.00068	-.00005	.00136	.43591	.00009	.00039
#2	.00038	.00606	-.00221	.02874	.00078	-.00004	.00142	.44238	.00019	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00010**	**.01882**	**-.05140**	**.00172**	**.16112**	**.00272**	**.00074**	**19.954**	**.00058**
Stddev	.00015	.00017	.00089	.01028	.00205	.00266	.00003	.00028	.056	.00016
%RSD	125.65	164.93	4.7189	20.008	119.44	1.6496	1.0121	37.090	.28054	26.655
#1	-.00022	.00002	.01819	-.05867	.00027	.16300	.00270	.00055	19.914	.00047
#2	-.00001	-.00022	.01945	-.04413	.00317	.15924	.00274	.00094	19.993	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00264**	**.00013**	**4.9492**	**-.00053**	**-.00164**	**.09871**	**.21125**	**.00273**	**.01338**	**.00100**
Stddev	.00012	.00005	.0029	.00259	.00275	.00400	.00856	.00031	.00004	.00287
%RSD	4.4924	39.228	.05870	487.37	167.62	4.0537	4.0537	11.334	.28949	287.64
#1	-.00255	.00009	4.9513	-.00236	.00030	.10154	.21730	.00251	.01335	-.00103
#2	-.00272	.00016	4.9472	.00130	-.00358	.09588	.20519	.00295	.01341	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00074**	**.00015**	**.00011**	**.00492**	**.00000**
Stddev	.00008	.00002	.03279	.00074	.00028	.00263
%RSD	15.742	3.0251	22531.	700.50	5.6684	313230.
#1	-.00057	.00076	.02333	.00063	.00472	-.00186
#2	-.00045	.00073	-.02304	-.00042	.00512	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8279.2**	**110980.**	**6773.9**
Stddev	22.1	422.	12.7
%RSD	.26687	.38027	.18708
#1	8263.6	110680.	6782.9
#2	8294.8	111280.	6765.0

Sample Name: 48773-c-1-b ms@10 Acquired: 11/11/2013 16:40:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00547**	**.20515**	**.09523**	**.21458**	**.20276**	**.00498**	F **.22026**	**6.7569**	**.01034**	**.05119**
Stddev	.00005	.00056	.00142	.00028	.00224	.00012	.00585	.0692	.00021	.00021
%RSD	1.0017	.27363	1.4906	.13271	1.1035	2.3171	2.6583	1.0241	2.0605	.40414
#1	.00551	.20476	.09423	.21478	.20118	.00490	.21612	6.7079	.01049	.05134
#2	.00544	.20555	.09623	.21438	.20434	.00506	.22440	6.8058	.01019	.05104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02032**	**.02602**	**.11600**	**5.0877**	**.09833**	**5.4487**	**.06062**	**.10344**	**89.615**	**.05189**
Stddev	.00006	.00001	.00317	.0572	.00463	.0111	.00028	.00057	.280	.00021
%RSD	.31531	.02614	2.7332	1.1241	4.7073	.20438	.45632	.55123	.31206	.41136
#1	.02028	.02602	.11376	5.0473	.09506	5.4409	.06042	.10384	89.418	.05174
#2	.02037	.02603	.11824	5.1282	.10161	5.4566	.06081	.10303	89.813	.05204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0023**	**.04865**	**21.805**	**.04564**	**.19406**	**1.3756**	**2.9438**	**.20164**	**.15689**	**.10046**
Stddev	.0001	.00027	.035	.00155	.00140	.0316	.0676	.00019	.00152	.00006
%RSD	.01229	.55057	.15948	3.4047	.72327	2.2977	2.2977	.09652	.97159	.06042
#1	1.0022	.04884	21.781	.04674	.19506	1.3532	2.8959	.20150	.15582	.10050
#2	1.0024	.04846	21.830	.04454	.19307	1.3979	2.9916	.20178	.15797	.10041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09960**	**.19743**	**.20481**	**.05080**	**.05473**	**.05358**
Stddev	.00020	.00119	.01020	.00066	.00027	.00157
%RSD	.19755	.60515	4.9823	1.3073	.49737	2.9298
#1	.09946	.19659	.21203	.05127	.05492	.05247
#2	.09974	.19828	.19760	.05033	.05454	.05469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8094.3**	**107920.**	**6775.4**
Stddev	32.5	160.	22.1
%RSD	.40090	.14792	.32679
#1	8071.3	107810.	6791.1
#2	8117.2	108040.	6759.8

Sample Name: 48773-c-1-c msd@10 Acquired: 11/11/2013 16:42:36 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00562	.20716	.09976	.21695	.20214	.00497	F .22179	6.7712	.01056	.05118
Stddev	.00020	.00091	.00159	.00073	.00130	.00011	.00267	.0194	.00030	.00039
%RSD	3.5341	.43916	1.5965	.33474	.64504	2.3098	1.2049	.28605	2.7962	.76959
#1	.00576	.20652	.10089	.21644	.20121	.00488	.21990	6.7575	.01077	.05091
#2	.00548	.20781	.09864	.21747	.20306	.00505	.22368	6.7849	.01035	.05146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02028	.02588	.11452	5.0073	.10187	5.4651	.06081	.10368	90.985	.05200
Stddev	.00001	.00024	.00196	.0021	.00364	.0076	.00022	.00030	.072	.00021
%RSD	.03184	.94521	1.7110	.04251	3.5714	.13806	.35663	.29258	.07898	.41180
#1	.02028	.02606	.11591	5.0058	.09929	5.4598	.06096	.10346	90.935	.05215
#2	.02028	.02571	.11314	5.0088	.10444	5.4704	.06065	.10389	91.036	.05185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0089	.04991	22.256	.04757	.19217	1.3766	2.9460	.20169	.15759	.09890
Stddev	.0002	.00003	.032	.00245	.00265	.0151	.0323	.00015	.00103	.00141
%RSD	.02174	.05919	.14163	5.1547	1.3776	1.0951	1.0951	.07332	.65588	1.4207
#1	1.0091	.04993	22.234	.04930	.19404	1.3660	2.9232	.20180	.15686	.09790
#2	1.0088	.04989	22.278	.04583	.19029	1.3873	2.9688	.20159	.15832	.09989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09887	.19688	.20799	.05132	.05493	.05348
Stddev	.00033	.00103	.01999	.00006	.00002	.00020
%RSD	.33716	.52316	9.6134	.12548	.03484	.37640
#1	.09863	.19616	.22213	.05128	.05491	.05363
#2	.09910	.19761	.19385	.05137	.05494	.05334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8108.5	107750.	6820.8
Stddev	22.3	125.	13.1
%RSD	.27492	.11583	.19164
#1	8124.3	107840.	6830.1
#2	8092.7	107660.	6811.6

Sample Name: 48773-c-1-aPDS@10 Acquired: 11/11/2013 16:44:51 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05037**	**.97632**	**.19963**	**.22261**	**.10471**	**.04982**	**.00086**	**21.623**	**.04994**	**.04999**
Stddev	.00010	.00177	.00269	.00018	.00167	.00031	.00124	.074	.00008	.00013
%RSD	.19215	.18121	1.3500	.07915	1.5937	.61600	144.59	.34214	.15091	.26812
#1	.05044	.97507	.19773	.22273	.10589	.04961	-.00002	21.570	.04999	.04990
#2	.05030	.97758	.20154	.22248	.10353	.05004	.00173	21.675	.04988	.05008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**.05145**	**1.0947**	**19.962**	**.10338**	**19.831**	**.06234**	**.05157**	**114.70**	**.05061**
Stddev	.00002	.00057	.1104	.192	.00179	.134	.00044	.00009	.25	.00022
%RSD	.03232	1.1050	10.088	.96108	1.7331	.67688	.71072	.17349	.21441	.44251
#1	.05006	.05186	1.1728	19.826	.10212	19.926	.06266	.05163	114.88	.05077
#2	.05003	.05105	1.0166	20.097	.10465	19.736	.06203	.05150	114.53	.05045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0204**	**.09619**	**24.634**	**.09372**	**.19158**	**5.1636**	**11.050**	**.09747**	**.11504**	**.20195**
Stddev	.0076	.00004	.027	.00152	.00055	.0469	.100	.00012	.00111	.00363
%RSD	.37553	.03890	.10881	1.6235	.28693	.90801	.90801	.12066	.96486	1.7979
#1	2.0257	.09617	24.615	.09480	.19197	5.1305	10.979	.09756	.11582	.20451
#2	2.0150	.09622	24.653	.09265	.19120	5.1968	11.121	.09739	.11425	.19938
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04809**	**.19274**	**.55101**	**.05150**	**.20564**	**.05140**
Stddev	.00015	.00051	.05387	.00045	.00088	.00329
%RSD	.30527	.26296	9.7765	.87052	.42907	6.4081
#1	.04819	.19309	.51292	.05182	.20627	.04907
#2	.04798	.19238	.58910	.05119	.20502	.05373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.4**	**106300.**	**6803.4**
Stddev	14.6	691.	38.5
%RSD	.18101	.65004	.56654
#1	8096.7	105820.	6830.7
#2	8076.0	106790.	6776.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 16:47:05 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00737**	**50.618**	**.00197**	**.00259**	**-.00007**	**-.00006**	**1.0272**	**.02173**	**-.00018**	**-.00018**	**.00001**	**.01031**	**49.920**
Stddev	.00039	.017	.00070	.00035	.00018	.00007	.0034	.00062	.00013	.00006	.00005	.00045	.073
%RSD	5.2551	.03332	35.525	13.690	243.23	114.93	.33454	2.8324	70.518	32.566	306.96	4.3274	.14712
#1	.00709	50.607	.00246	.00234	-.00020	-.00001	1.0248	.02216	-.00009	-.00014	-.00002	.00999	49.868
#2	.00764	50.630	.00147	.00284	.00005	-.00010	1.0296	.02129	-.00027	-.00023	.00005	.01062	49.972
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00933**	**-.00217**	**.08315**	**.00065**	**-.00013**	**251.83**	**-.00002**	**.00028**	**-.00034**	**5.0951**	**.00115**	**-.00397**	**.01530**
Stddev	.01655	.00321	.00140	.00002	.00001	.43	.00016	.00344	.00097	.0339	.00088	.00171	.00285
%RSD	177.48	148.08	1.6833	3.4104	10.203	.17028	727.62	1244.3	284.32	.66617	76.608	43.022	18.613
#1	-.02103	-.00444	.08414	.00064	-.00012	252.13	-.00014	-.00216	-.00102	5.0711	.00053	-.00276	.01328
#2	.00238	.00010	.08216	.00067	-.00014	251.53	.00009	.00271	.00034	5.1191	.00178	-.00518	.01731
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03273**	**-.00025**	**.00027**	**4.9876**	**-.01162**	**.00132**	F **6.1469**	**.00132**	**.00059**	**.05135**
Stddev	.00609	.00014	.00007	.0264	.00016	.00026	.0458	.00039	.00004	.00562
%RSD	18.613	54.941	27.864	.53017	1.3764	19.956	.74580	29.655	7.0273	10.940
#1	.02842	-.00035	.00021	4.9689	-.01173	.00114	6.1144	.00104	.00056	.05532
#2	.03704	-.00015	.00032	5.0063	-.01151	.00151	6.1793	.00159	.00062	.04738
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8126.2**	**106300.**	**6875.5**
Stddev	1.3	933.	37.0
%RSD	.01645	.87808	.53797
#1	8127.1	106960.	6901.6
#2	8125.2	105640.	6849.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 16:49:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49531**	**.53987**	**.97712**	**.49132**	**.49724**	**.49299**	**-.00094**	**5.0220**	**.49180**	**.50130**	**.49648**	**.49729**	**2.4859**
Stddev	.00149	.05345	.00117	.00210	.00145	.00315	.00335	.0352	.00248	.00137	.00069	.00270	.0179
%RSD	.30073	9.9001	.11937	.42725	.29138	.63918	358.10	.70147	.50481	.27399	.13890	.54266	.72093
#1	.49426	.57766	.97629	.48984	.49621	.49076	.00143	4.9971	.49004	.50033	.49599	.49538	2.4732
#2	.49636	.50208	.97794	.49280	.49826	.49522	-.00330	5.0469	.49355	.50227	.49697	.49919	2.4985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.605**	**.98391**	**19.509**	**.49684**	**.49668**	**5.1838**	**.50132**	**.97756**	**1.0060**	**.02852**	**.99393**	**.98680**	**4.8742**
Stddev	.113	.00093	.017	.00027	.00332	.0339	.00148	.00768	.0017	.05200	.00012	.00167	.0429
%RSD	.22788	.09469	.08901	.05489	.66806	.65440	.29579	.78530	.16598	182.31	.01211	.16925	.88009
#1	49.525	.98325	19.521	.49664	.49902	5.2078	.50028	.98299	1.0072	.06529	.99385	.98798	4.8439
#2	49.685	.98457	19.496	.49703	.49433	5.1599	.50237	.97213	1.0048	-.00825	.99402	.98562	4.9046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.431**	**.99446**	**.49444**	**-.00317**	**.49323**	**1.0194**	**.02277**	**.49245**	**.49280**	**.49475**
Stddev	.092	.00558	.00089	.00093	.00018	.0034	.02895	.00042	.00014	.00416
%RSD	.88009	.56095	.17993	29.360	.03724	.33274	127.17	.08556	.02831	.84115
#1	10.366	.99052	.49381	-.00383	.49310	1.0170	.04324	.49215	.49290	.49181
#2	10.496	.99841	.49507	-.00251	.49336	1.0218	.00229	.49274	.49270	.49770
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.9**	**109970.**	**6844.9**
Stddev	19.0	139.	3.4
%RSD	.23046	.12623	.05009
#1	8212.5	109870.	6842.5
#2	8239.3	110070.	6847.4

Sample Name: CCB Acquired: 11/11/2013 16:51:35 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00451**	**-.00078**	**.00154**	**-.00010**	**.00009**	**.00081**	**.00661**	**.00009**	**.00027**	**-.00007**	**-.00063**
Stddev	.00020	.00004	.00127	.00079	.00000	.00003	.00006	.00475	.00015	.00017	.00002	.00044
%RSD	41.437	.78608	163.95	51.544	3.0213	30.960	7.2716	71.905	172.01	61.355	29.718	69.436
#1	.00063	-.00448	.00012	.00098	-.00010	.00007	.00086	.00997	.00020	.00039	-.00009	-.00093
#2	.00034	-.00453	-.00168	.00210	-.00009	.00011	.00077	.00325	-.00002	.00015	-.00006	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.02059**	**-.00182**	**.00390**	**.00013**	**.00021**	**.08392**	**.00024**	**-.00446**	**-.00012**	**-.00191**	F **.00880**
Stddev	.00052	.00365	.00171	.00038	.00006	.00030	.01073	.00012	.00065	.00051	.00108	.00060
%RSD	414.61	17.737	93.931	9.6236	45.677	141.38	12.780	50.479	14.504	413.77	56.680	6.8092
#1	.00050	.02318	-.00061	.00364	.00018	.00043	.07633	.00032	-.00492	-.00049	-.00267	.00922
#2	-.00024	.01801	-.00303	.00417	.00009	.00000	.09150	.00015	-.00400	.00024	-.00114	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**.00204**	**.00437**	**-.00027**	**.00017**	**.00013**	**-.00023**	**.00038**	**.03168**	**.00039**	**.00202**	W **.00350**
Stddev	.00179	.00496	.01062	.00032	.00010	.00077	.00014	.00026	.02870	.00022	.00059	.00089
%RSD	277.63	242.74	242.74	118.01	62.303	577.31	61.778	70.047	90.601	58.194	29.151	25.513
#1	-.00191	.00555	.01188	-.00004	.00024	.00068	-.00033	.00019	.01138	.00055	.00161	.00287
#2	.00062	-.00146	-.00313	-.00050	.00009	-.00041	-.00013	.00056	.05198	.00023	.00244	.00413
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8229.2**	**110050.**	**6665.6**
Stddev	10.9	71.	9.5
%RSD	.13214	.06442	.14242
#1	8221.5	110100.	6672.3
#2	8236.9	110000.	6658.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 16:53:51 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.10472**	**.01524**	**.10011**	**.01041**	**.00101**	**.12392**	**.21547**	**.00521**	**.01093**	**.01061**	**.01526**	**.10327**	**3.0688**
Stddev	.00004	.00043	.00007	.00039	.00000	.00003	.00005	.00287	.00011	.00000	.00003	.00009	.00071	.1138
%RSD	.40827	.41369	.43108	.38809	.02493	2.6212	.04261	1.3317	2.2061	.00096	.27029	.60127	.68627	3.7066
#1	.01057	.10441	.01529	.10038	.01041	.00099	.12396	.21344	.00529	.01093	.01059	.01533	.10377	2.9884
#2	.01051	.10502	.01520	.09983	.01041	.00103	.12389	.21750	.00513	.01093	.01063	.01520	.10277	3.1492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.21191**	**.01051**	**.02010**	**1.1242**	**.04310**	**2.9573**	**.01038**	**.00433**	**.00851**	**.01390**	**.50902**	**1.0893**	**.10490**
Stddev	.00232	.00052	.00004	.00001	.0213	.00013	.0055	.00067	.00254	.00208	.00178	.01168	.0250	.00009
%RSD	27.626	.24701	.34943	.06388	1.8913	.29782	.18639	6.4698	58.576	24.403	12.824	2.2937	2.2937	.08704
#1	.00677	.21228	.01053	.02009	1.1091	.04319	2.9534	.00990	.00612	.00998	.01516	.50077	1.0716	.10483
#2	.01005	.21154	.01048	.02011	1.1392	.04301	2.9612	.01085	.00254	.00704	.01264	.51728	1.1070	.10496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.01506**	**.00941**	**.01659**	**.07143**	**.01019**	**.02235**	**.01898**
Stddev	.00024	.00114	.00016	.00082	.00017	.00054	.00023	.00207
%RSD	2.3402	7.5752	1.7002	4.9519	.23949	5.2716	1.0422	10.896
#1	.01028	.01425	.00952	.01601	.07131	.00981	.02251	.01752
#2	.01062	.01587	.00929	.01717	.07155	.01057	.02218	.02044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8405.9**	**113060.**	**6854.0**
Stddev	19.4	223.	31.9
%RSD	.23083	.19756	.46566
#1	8392.2	113220.	6876.6
#2	8419.6	112910.	6831.4

Sample Name: 48147-1@20 Acquired: 11/11/2013 16:56:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02449**	**1.6612**	**.12804**	RW **24.071**	**.04103**	**-.00018**	**-.00194**	**16.926**	**.00159**	**.01544**
Stddev	.00049	.0039	.00152	.005	.00040	.00019	.00133	.116	.00020	.00001
%RSD	1.9875	.23299	1.1846	.02047	.98591	110.45	68.300	.68666	12.477	.06742
#1	.02483	1.6585	.12911	24.074	.04132	-.00004	-.00100	16.844	.00145	.01543
#2	.02414	1.6639	.12697	24.067	.04075	-.00031	-.00288	17.008	.00173	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19902**	**.00291**	**31.036**	F **501.60**	**1.1923**	**366.42**	**1.1815**	**.09458**	RW **5959.0**	**.48014**
Stddev	.00049	.00038	.303	4.86	.0095	4.32	.0003	.00098	29.2	.00183
%RSD	.24393	13.075	.97778	.96847	.79953	1.1791	.02321	1.0349	.49002	.38176
#1	.19936	.00318	30.821	498.17	1.1855	369.47	1.1813	.09527	5938.3	.48143
#2	.19868	.00264	31.251	505.04	1.1990	363.36	1.1817	.09388	5979.6	.47884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.861**	**.00233**	F **2439.3**	**.02110**	**.02927**	**1.8353**	**3.9276**	**.01130**	**.24790**	**-.00192**
Stddev	.006	.00116	3.8	.00003	.00435	.0116	.0249	.00034	.00076	.00300
%RSD	.03854	49.793	.15728	.11936	14.872	.63270	.63270	3.0276	.30807	156.13
#1	15.865	.00315	2436.6	.02112	.03235	1.8271	3.9100	.01154	.24736	-.00404
#2	15.856	.00151	2442.0	.02108	.02619	1.8435	3.9451	.01106	.24844	.00020
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02455**	**-.00174**	**.10047**	**.30435**	**.22505**	**.00804**
Stddev	.00001	.00147	.01719	.00002	.00196	.00038
%RSD	.05551	84.655	17.112	.00628	.87093	4.6935
#1	.02454	-.00278	.11263	.30436	.22643	.00831
#2	.02456	-.00070	.08832	.30433	.22366	.00778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6380.3**	**82263.**	**6414.9**
Stddev	6.2	301.	60.4
%RSD	.09744	.36644	.94106
#1	6375.9	82050.	6457.6
#2	6384.7	82476.	6372.2

Sample Name: 48147-2@20 Acquired: 11/11/2013 16:59:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00156**	k **.74129**	k **.18883**	W **32.137**	k **.03307**	k **.00006**	k **.00984**	**10.235**	k **.00212**	k **.02125**
Stddev	.00020	.00088	.00243	.034	.00008	.00003	.00095	.049	.00012	.00015
%RSD	12.509	.11921	1.2847	.10662	.24372	47.745	9.6763	.47633	5.7924	.69384
#1	k .00170	k .74191	k .19054	k 32.161	k .03301	k .00004	k .01051	10.200	k .00203	k .02135
#2	k .00143	k .74066	k .18711	k 32.113	k .03313	k .00008	k .00916	10.269	k .00220	k .02115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.17751**	k **.00343**	k **41.776**	F **560.75**	k **1.4080**	kW **545.69**	k **1.8439**	k **.10136**	RW **5833.0**	k **.88022**
Stddev	.00044	.00011	.029	4.51	.0112	.96	.0057	.00087	34.3	.00105
%RSD	.25006	3.3228	.07016	.80450	.79770	.17610	.30683	.86114	.58884	.11874
#1	k .17782	k .00351	k 41.755	557.56	k 1.4001	k 546.37	k 1.8479	k .10198	5808.7	k .88096
#2	k .17720	k .00335	k 41.797	563.94	k 1.4160	k 545.01	k 1.8399	k .10075	5857.3	k .87948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00		500.00			500.00	
Low Limit				-2.0000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **16.455**	k **.00110**	kF **2812.6**	k **.03280**	k **.03655**	k **2.0344**	k **4.3536**	k **.01168**	**.13934**	k **.02883**
Stddev	.034	.00011	6.0	.00128	.00457	.0095	.0203	.00022	.00093	.00063
%RSD	.20902	9.6726	.21418	3.8896	12.510	.46639	.46639	1.8490	.66553	2.1796
#1	k 16.480	k .00117	k 2816.9	k .03190	k .03978	k 2.0277	k 4.3393	k .01152	.13869	k .02927
#2	k 16.431	k .00102	k 2808.3	k .03370	k .03332	k 2.0411	k 4.3680	k .01183	.14000	k .02838
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01368**	kW **-.01439**	k **.04204**	k **.65631**	k **.34486**	k **.00644**
Stddev	.00039	.00132	.03058	.00183	.00101	.00090
%RSD	2.8571	9.1777	72.749	.27916	.29235	14.056
#1	k .01341	k -.01533	k .02041	k .65760	k .34557	k .00708
#2	k .01396	k -.01346	k .06366	k .65501	k .34415	k .00580
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000				
Low Limit		-.01000				

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6202.0**	**79449.**	**6243.5**
Stddev	7.2	49.	43.7
%RSD	.11598	.06153	.69968
#1	6197.0	79415.	6274.4
#2	6207.1	79484.	6212.7

Sample Name: 280-48773-c-4-a@10 Acquired: 11/11/2013 17:02:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00474**	**.00274**	**.16710**	**.00173**	**-.00001**	**.00097**	**5.5818**	**-.00009**	**.00018**
Stddev	.00011	.00004	.00344	.00771	.00008	.00003	.00247	.0473	.00011	.00018
%RSD	187.45	.74573	125.45	4.6144	4.5747	253.22	253.44	.84816	122.19	98.234
#1	-.00002	.00476	.00031	.17256	.00179	-.00003	.00272	5.5483	-.00001	.00031
#2	.00013	.00471	.00518	.16165	.00168	.00001	-.00077	5.6153	-.00016	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00054**	**.01936**	**1.1811**	**.00529**	**1.1816**	**.01397**	**.00285**	**93.033**	**.00660**
Stddev	.00010	.00008	.00152	.0335	.00075	.0129	.00004	.00038	.441	.00098
%RSD	120.74	13.976	7.8431	2.8331	14.097	1.0922	.27668	13.314	.47455	14.870
#1	.00016	.00059	.02043	1.2048	.00476	1.1725	.01394	.00258	92.721	.00591
#2	.00001	.00049	.01829	1.1575	.00582	1.1907	.01400	.00312	93.346	.00730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00015**	**40.416**	**.00039**	**-.00060**	**.48279**	**1.0332**	**.00269**	**.13395**	**.00100**
Stddev	.00007	.00096	1.390	.00134	.00070	.00897	.0192	.00045	.00145	.00059
%RSD	12.672	633.43	3.4400	347.42	116.64	1.8580	1.8580	16.714	1.0859	59.531
#1	.00063	-.00053	41.399	.00134	-.00010	.47644	1.0196	.00237	.13292	.00142
#2	.00053	.00083	39.433	-.00056	-.00109	.48913	1.0467	.00301	.13498	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00063**	**-.00904**	**.00067**	**.00619**	**.00208**
Stddev	.00033	.00002	.01521	.00013	.00029	.00241
%RSD	56.040	3.6690	168.28	19.862	4.6764	116.08
#1	-.00082	.00061	.00172	.00058	.00599	.00378
#2	-.00035	.00065	-.01979	.00076	.00640	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7959.2**	**103630.**	**6564.9**
Stddev	113.6	350.	42.9
%RSD	1.4266	.33808	.65284
#1	7878.9	103380.	6595.3
#2	8039.5	103870.	6534.6

Sample Name: 280-48773-c-5-a@10 Acquired: 11/11/2013 17:04:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00492**	**.00270**	**.20515**	**.00144**	**.00000**	**.00135**	**8.5958**	**.00006**	**.00022**
Stddev	.00027	.00028	.00018	.00228	.00054	.00005	.00081	.0330	.00024	.00022
%RSD	64.724	5.6955	6.7313	1.1091	37.128	2525.2	60.321	.38388	440.38	101.83
#1	.00023	.00472	.00257	.20675	.00106	.00004	.00077	8.5724	.00023	.00038
#2	.00061	.00512	.00283	.20354	.00182	-.00004	.00192	8.6191	-.00012	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00041**	**.01297**	**.66485**	**.00900**	**1.6995**	**.01583**	**.00138**	**124.13**	**.00132**
Stddev	.00001	.00009	.00007	.00118	.00315	.1103	.00037	.00022	.72	.00021
%RSD	6.5161	20.688	.57599	.17737	35.037	6.4910	2.3320	15.941	.57856	15.979
#1	.00021	.00047	.01303	.66569	.00677	1.6215	.01557	.00123	123.62	.00117
#2	.00019	.00035	.01292	.66402	.01123	1.7775	.01609	.00154	124.64	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.00043**	**49.733**	**-.00046**	**.00512**	**.60714**	**1.2993**	**.00216**	**.23652**	**-.00221**
Stddev	.00061	.00077	.210	.00099	.00267	.00182	.0039	.00062	.00096	.00169
%RSD	15.440	178.15	.42155	215.31	52.212	.30002	.30002	28.487	.40455	76.367
#1	.00437	-.00097	49.881	-.00116	.00701	.60585	1.2965	.00259	.23585	-.00102
#2	.00351	.00011	49.584	.00024	.00323	.60843	1.3020	.00172	.23720	-.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00042**	**.01927**	**.00055**	**.00537**	**.00178**
Stddev	.00003	.00057	.04999	.00002	.00013	.00193
%RSD	9.0052	136.38	259.43	3.9509	2.3837	108.79
#1	-.00033	.00001	-.01608	.00057	.00546	.00314
#2	-.00037	.00082	.05462	.00054	.00527	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7993.1**	**105940.**	**6652.3**
Stddev	45.1	264.	89.5
%RSD	.56437	.24947	1.3461
#1	8025.0	105750.	6715.6
#2	7961.2	106120.	6589.0

Sample Name: 280-48773-c-6-a@10 Acquired: 11/11/2013 17:07:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00819**	**.00068**	**.21313**	**.00116**	**-.00009**	**.00075**	**3.0396**	**-.00008**	**.00006**
Stddev	.00016	.00011	.00060	.00034	.00009	.00011	.00112	.0129	.00002	.00019
%RSD	1110.0	1.3526	88.089	.15895	7.6732	122.88	149.09	.42409	22.939	315.63
#1	.00013	.00827	.00111	.21337	.00122	-.00016	-.00004	3.0305	-.00009	-.00007
#2	-.00010	.00812	.00026	.21289	.00110	-.00001	.00155	3.0487	-.00007	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00026**	**.01558**	**.53802**	**.02911**	**.55259**	**.00028**	**.00088**	**91.843**	**.00041**
Stddev	.00007	.00003	.00400	.00308	.00118	.00278	.00001	.00012	.299	.00041
%RSD	51.879	10.161	25.673	.57336	4.0655	.50385	2.0876	13.869	.32548	100.15
#1	.00018	.00024	.01841	.54020	.02995	.55063	.00027	.00079	91.632	.00012
#2	.00008	.00028	.01276	.53584	.02827	.55456	.00028	.00096	92.055	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.00014**	**42.430**	**-.00172**	**.00789**	**.40839**	**.87395**	**.00257**	**.21028**	**-.00065**
Stddev	.00149	.00061	.054	.00131	.00104	.01027	.02198	.00077	.00038	.00016
%RSD	88.723	437.55	.12811	76.243	13.140	2.5149	2.5149	29.891	.18220	24.855
#1	.00063	-.00029	42.392	-.00079	.00863	.40112	.85841	.00203	.21001	-.00077
#2	.00273	.00057	42.469	-.00265	.00716	.41565	.88949	.00312	.21055	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.00086**	**.01940**	**.00224**	**.00528**	**-.00113**
Stddev	.00002	.00047	.03177	.00039	.00044	.00392
%RSD	2.9211	53.911	163.72	17.455	8.4279	348.04
#1	-.00075	.00053	-.00306	.00251	.00496	.00165
#2	-.00078	.00119	.04187	.00196	.00559	-.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.5**	**105790.**	**6595.5**
Stddev	10.8	485.	49.4
%RSD	.13532	.45857	.74946
#1	8005.8	105450.	6630.5
#2	8021.2	106140.	6560.6

Sample Name: 280-48773-c-7-a@10 Acquired: 11/11/2013 17:09:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00740**	**.00281**	**.16725**	**.00122**	**-.00009**	**-.00169**	**2.2149**	**.00001**	**.00012**
Stddev	.00017	.00011	.00156	.00060	.00026	.00010	.00311	.0033	.00019	.00023
%RSD	35.530	1.5466	55.457	.36012	21.567	116.99	184.16	.14823	2657.3	185.96
#1	-.00059	.00748	.00171	.16767	.00103	-.00016	-.00389	2.2172	.00014	-.00004
#2	-.00035	.00732	.00391	.16682	.00140	-.00002	.00051	2.2126	-.00012	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00016**	**.01773**	**.47352**	**.04459**	**.26094**	**.00022**	**.00030**	**103.59**	**.00063**
Stddev	.00014	.00011	.00072	.01350	.00061	.00017	.00002	.00005	.49	.00036
%RSD	277.01	69.093	4.0531	2.8514	1.3692	.06644	10.900	16.721	.47391	57.785
#1	.00015	.00008	.01722	.48307	.04416	.26082	.00023	.00034	103.94	.00089
#2	-.00005	.00024	.01824	.46398	.04502	.26106	.00020	.00027	103.24	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00013**	**38.996**	**-.00092**	**.00604**	**.43989**	**.94135**	**.00281**	**.16763**	**-.00044**
Stddev	.00109	.00027	.106	.00036	.00289	.01927	.04124	.00077	.00115	.00199
%RSD	604.33	208.05	.27176	38.980	47.770	4.3809	4.3809	27.463	.68408	452.21
#1	-.00059	-.00006	38.921	-.00067	.00808	.42626	.91219	.00336	.16845	-.00185
#2	.00095	.00033	39.071	-.00118	.00400	.45351	.97052	.00226	.16682	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00090**	**-.01588**	**.00435**	**.00573**	**.00264**
Stddev	.00048	.00013	.04863	.00003	.00025	.00202
%RSD	95.928	14.619	306.27	.64269	4.4035	76.393
#1	-.00084	.00081	.01851	.00433	.00555	.00407
#2	-.00016	.00100	-.05027	.00437	.00591	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.7**	**105510.**	**6558.9**
Stddev	1.8	472.	24.6
%RSD	.02243	.44782	.37468
#1	7972.5	105840.	6541.5
#2	7975.0	105180.	6576.3

Sample Name: 280-48773-c-8-a@10 Acquired: 11/11/2013 17:11:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00568**	**.00344**	**.15059**	**.00146**	**-.00007**	**.00070**	**5.0848**	**.00007**	**-.00007**
Stddev	.00031	.00023	.00233	.00025	.00000	.00011	.00347	.0171	.00018	.00004
%RSD	162.84	3.9765	67.928	.16526	.22443	156.65	493.89	.33582	253.90	47.835
#1	.00003	.00552	.00509	.15041	.00146	-.00014	-.00175	5.0727	-.00006	-.00005
#2	-.00041	.00584	.00179	.15076	.00146	.00001	.00315	5.0969	.00020	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00007**	**.01737**	**.34800**	**.01318**	**1.1114**	**.00077**	**.00015**	**96.626**	**.00022**
Stddev	.00006	.00036	.00183	.02996	.00015	.0005	.00004	.00004	.074	.00017
%RSD	454.49	550.61	10.548	8.6106	1.1443	.04534	4.7826	24.828	.07612	76.263
#1	-.00003	.00032	.01607	.32681	.01328	1.1110	.00074	.00018	96.678	.00010
#2	.00005	-.00019	.01866	.36919	.01307	1.1117	.00079	.00013	96.574	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**-.00009**	**35.709**	**.00041**	**.00691**	**.43576**	**.93252**	**.00221**	**.17464**	**.00072**
Stddev	.00076	.00117	.158	.00022	.00072	.02083	.04458	.00037	.00022	.00021
%RSD	33.218	1355.1	.44137	53.520	10.473	4.7807	4.7807	16.817	.12671	29.148
#1	.00176	.00074	35.598	.00056	.00742	.42103	.90099	.00195	.17480	.00057
#2	.00283	-.00091	35.820	.00025	.00640	.45049	.96404	.00248	.17449	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00129**	**.00140**	**.00064**	**.00632**	**.00106**
Stddev	.00024	.00027	.05746	.00004	.00047	.00066
%RSD	35.042	21.269	4114.4	6.8645	7.4696	61.979
#1	-.00052	.00109	.04202	.00067	.00665	.00152
#2	-.00087	.00148	-.03923	.00061	.00598	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7922.0**	**105090.**	**6504.9**
Stddev	5.6	524.	40.7
%RSD	.07069	.49837	.62608
#1	7926.0	104720.	6476.1
#2	7918.1	105460.	6533.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 17:13:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00669**	**51.251**	**.00128**	**.01579**	**-.00008**	**-.00004**	**1.0366**	**.01823**	**-.00027**	**-.00025**	**-.00003**	**.01077**	**50.830**
Stddev	.00001	.092	.00071	.00014	.00036	.00010	.0021	.00077	.00011	.00028	.00002	.00006	.027
%RSD	.22416	.17881	55.401	.89259	439.56	276.68	.20011	4.2425	40.587	110.92	73.041	.55464	.05220
#1	.00670	51.316	.00178	.01589	.00017	.00003	1.0351	.01768	-.00019	-.00005	-.00001	.01072	50.849
#2	.00668	51.187	.00078	.01569	-.00033	-.00010	1.0381	.01878	-.00034	-.00045	-.00005	.01081	50.811
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30542**	**.00077**	**.08171**	**.00064**	**.00007**	**255.22**	**.00002**	**-.00068**	**.00126**	F **7.6061**	**-.00111**	**-.00242**	**.00533**
Stddev	.01643	.00035	.00119	.00006	.00040	.16	.00006	.00027	.00186	.0663	.00279	.00016	.02242
%RSD	5.3807	45.588	1.4568	9.2996	615.49	.06183	269.48	39.968	147.17	.87178	250.62	6.5470	420.40
#1	.29380	.00102	.08086	.00059	-.00022	255.11	-.00002	-.00049	-.00005	7.5593	-.00308	-.00254	.02119
#2	.31704	.00052	.08255	.00068	.00035	255.33	.00006	-.00088	.00257	7.6530	.00086	-.00231	-.01052
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**-.00040**	**.00034**	**5.0224**	**-.01214**	**.00169**	F **6.2212**	**.00138**	**.00042**	**.05348**
Stddev	.04798	.00063	.00004	.0013	.00026	.00075	.0227	.00001	.00035	.00085
%RSD	420.40	158.18	12.571	.02628	2.1445	44.567	.36536	.73909	83.056	1.5883
#1	.04534	-.00084	.00037	5.0234	-.01233	.00222	6.2373	.00137	.00017	.05408
#2	-.02251	.00005	.00031	5.0215	-.01196	.00116	6.2051	.00139	.00067	.05288
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7881.9**	**103260.**	**6529.7**
Stddev	21.6	279.	37.4
%RSD	.27423	.27011	.57316
#1	7897.2	103060.	6556.2
#2	7866.7	103450.	6503.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 17:16:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49789**	**.52379**	**.99373**	**.50865**	**.50310**	**.49473**	**.00008**	**5.0626**	**.50005**	**.50806**	**.50505**	**.50189**	**2.5014**
Stddev	.00025	.00832	.00222	.00063	.00012	.00031	.00165	.0044	.00046	.00038	.00003	.00032	.0008
%RSD	.05015	1.5892	.22353	.12460	.02476	.06281	1973.6	.08748	.09275	.07519	.00676	.06394	.03184
#1	.49771	.52968	.99530	.50820	.50319	.49451	.00125	5.0594	.50037	.50779	.50507	.50166	2.5020
#2	.49806	.51790	.99216	.50910	.50301	.49494	-.00108	5.0657	.49972	.50833	.50502	.50211	2.5009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.390**	**.99890**	**19.930**	**.50336**	**.50871**	F **5.5579**	**.50833**	**.99553**	**1.0312**	**2.3249**	**1.0001**	**.99265**	**4.9436**
Stddev	.006	.00185	.045	.00068	.00005	.0259	.00092	.00255	.0009	.0104	.0031	.00324	.0194
%RSD	.01123	.18557	.22403	.13454	.00955	.46602	.18096	.25648	.08442	.44714	.30819	.32630	.39311
#1	50.386	1.0002	19.962	.50384	.50874	5.5762	.50898	.99373	1.0305	2.3175	1.0023	.99036	4.9574
#2	50.394	.99759	19.899	.50288	.50867	5.5395	.50768	.99734	1.0318	2.3322	.99791	.99494	4.9299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.579**	**1.0144**	**.49974**	**-.00219**	**.50030**	**1.0289**	**-.00596**	**.49980**	**.50401**	**.50092**
Stddev	.042	.0046	.00078	.00103	.00033	.0013	.00758	.00044	.00114	.00474
%RSD	.39311	.45009	.15664	47.264	.06634	.12943	127.16	.08789	.22594	.94621
#1	10.609	1.0176	.50029	-.00292	.50053	1.0298	-.01132	.50011	.50482	.49757
#2	10.550	1.0111	.49918	-.00146	.50006	1.0280	-.00060	.49949	.50321	.50427
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8030.4**	**106210.**	**6538.2**
Stddev	31.5	565.	8.5
%RSD	.39251	.53194	.13004
#1	8008.1	105810.	6544.2
#2	8052.7	106610.	6532.2

Sample Name: X Acquired: 11/11/2013 17:18:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00280**	**.00127**	F **.01089**	**.00003**	**-.00001**	**.00029**	**.00571**	**.00005**	**.00029**	**.00015**	**-.00049**
Stddev	.00011	.00173	.00376	.00028	.00013	.00015	.00298	.00277	.00013	.00001	.00013	.00015
%RSD	12.899	61.865	296.56	2.5838	458.01	2060.0	1017.1	48.463	270.37	3.0719	86.815	29.450
#1	.00075	-.00158	.00393	.01109	-.00006	-.00011	-.00181	.00767	-.00004	.00030	.00024	-.00060
#2	.00091	-.00403	-.00139	.01069	.00012	.00010	.00240	.00375	.00014	.00029	.00006	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.16545**	**-.00088**	**.00406**	**.00012**	**.00036**	F **.34461**	**.00041**	**-.00393**	**.00034**	F **2.3145**	F **.00637**
Stddev	.00179	.03314	.00278	.00099	.00007	.00041	.00513	.00052	.00044	.00055	.0125	.00137
%RSD	418.66	20.031	315.53	24.395	62.821	114.25	1.4874	127.26	11.225	160.86	.53834	21.560
#1	-.00169	.14201	.00109	.00476	.00006	.00007	.34823	.00077	-.00362	-.00005	2.3057	.00540
#2	.00084	.18888	-.00285	.00336	.00017	.00065	.34099	.00004	-.00424	.00073	2.3233	.00734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.18320				.20000	.00628
Low Limit							-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**-.00123**	**-.00263**	**.00014**	**.00021**	**.00270**	**-.00051**	**-.00008**	**-.02614**	**.00072**	**.00276**	W **.00268**
Stddev	.00013	.01718	.03677	.00050	.00003	.00097	.00011	.00013	.01366	.00077	.00042	.00061
%RSD	6.3313	1396.5	1396.5	354.76	14.445	35.997	20.634	158.31	52.241	107.41	15.329	22.773
#1	.00212	-.01338	-.02864	.00049	.00023	.00339	-.00044	-.00018	-.01649	.00017	.00246	.00312
#2	.00194	.01092	.02337	-.00021	.00019	.00201	-.00059	.00001	-.03580	.00127	.00306	.00225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8069.7**	**108710.**	**6496.3**
Stddev	5.9	246.	37.1
%RSD	.07278	.22599	.57089
#1	8065.5	108880.	6470.1
#2	8073.8	108530.	6522.5

Sample Name: CCVL-2372865 Acquired: 11/11/2013 17:20:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.10689**	**.01502**	**.11054**	**.01075**	**.00111**	**.12428**	**.21854**	**.00544**	**.01127**	**.01080**	**.01556**	**.10372**
Stddev	.00021	.00026	.00010	.00014	.00033	.00004	.00240	.00470	.00017	.00002	.00006	.00016	.00071
%RSD	1.9172	.24121	.63681	.12996	3.0508	3.7830	1.9313	2.1491	3.0378	.16599	.52388	1.0570	.68029
#1	.01057	.10707	.01508	.11044	.01098	.00108	.12258	.21521	.00532	.01126	.01084	.01545	.10322
#2	.01086	.10671	.01495	.11064	.01051	.00114	.12598	.22186	.00556	.01128	.01076	.01568	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2727**	F **.00608**	**.21507**	**.01063**	**.02064**	F **1.3936**	**.04378**	**2.9952**	**.00978**	**2.0674**	**.00993**	**.01584**	**.51483**
Stddev	.0347	.00218	.00096	.00004	.00024	.0190	.00001	.0040	.00066	.0163	.00110	.00175	.01596
%RSD	1.0603	35.923	.44821	.38115	1.1699	1.3612	.02821	.13180	6.7798	.78960	11.096	11.027	3.1010
#1	3.2482	.00453	.21575	.01066	.02047	1.4070	.04377	2.9924	.01025	2.0558	.01070	.01708	.52612
#2	3.2973	.00762	.21439	.01060	.02081	1.3802	.04379	2.9980	.00931	2.0789	.00915	.01461	.50354
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		-30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1017**	**.10645**	**.01060**	**.01552**	**.00953**	**.01762**	**.07163**	**.01072**	**.02325**	**.01783**
Stddev	.0342	.00072	.00003	.00112	.00028	.00006	.02977	.00010	.00012	.00110
%RSD	3.1010	.68045	.24690	7.2375	2.9331	.34704	41.565	.94119	.51767	6.1900
#1	1.1259	.10697	.01059	.01473	.00933	.01758	.05058	.01065	.02317	.01861
#2	1.0776	.10594	.01062	.01632	.00973	.01767	.09268	.01079	.02334	.01704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8227.8**	**110520.**	**6557.6**
Stddev	10.4	290.	1.8
%RSD	.12647	.26226	.02805
#1	8235.2	110310.	6558.9
#2	8220.5	110720.	6556.3

Sample Name: CCB Acquired: 11/11/2013 17:24:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00449**	**.00171**	F **.00806**	**.00004**	**.00003**	**.00307**	**-.00293**	**-.00007**	**.00019**	**-.00006**
Stddev	.00022	.00016	.00173	.00085	.00012	.00002	.00219	.00307	.00017	.00013	.00006
%RSD	310.65	3.5511	101.05	10.571	287.76	83.276	71.399	104.84	260.55	69.309	112.33
#1	.00008	-.00461	.00049	.00866	-.00004	.00001	.00152	-.00076	.00005	.00010	-.00010
#2	-.00022	-.00438	.00294	.00746	.00012	.00004	.00462	-.00510	-.00019	.00029	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00377**	**.04205**	**-.00115**	**.00086**	**-.00003**	**-.00003**	F **.25151**	**.00049**	**-.00292**	**.00063**
Stddev	.00045	.00232	.02133	.00254	.00043	.00004	.00011	.00877	.00010	.00198	.00040
%RSD	167.66	61.480	50.731	221.11	49.638	121.73	309.03	3.4870	19.800	67.868	64.036
#1	.00005	-.00213	.02697	-.00294	.00056	-.00006	-.00011	.25772	.00042	-.00432	.00035
#2	-.00059	-.00541	.05714	.00065	.00116	.00000	.00004	.24531	.00056	-.00152	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.8385**	**-.00033**	**.00071**	**.03129**	**.06697**	**-.00030**	**.00006**	**.00064**	W **-.00063**	**.00042**	**-.03721**
Stddev	.0086	.00144	.00147	.00075	.00161	.00055	.00004	.00000	.00007	.00080	.00590
%RSD	.46611	436.40	206.19	2.4018	2.4018	184.87	63.878	.10973	10.912	190.38	15.870
#1	1.8445	.00069	.00175	.03182	.06810	.00009	.00003	.00064	-.00068	.00099	-.04138
#2	1.8324	-.00135	-.00033	.03076	.06583	-.00069	.00008	.00064	-.00059	-.00015	-.03303
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.20000								.00060		
Low Limit	-.20000								-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00031**	**-.00018**	**-.00034**
Stddev	.00026	.00015	.00245
%RSD	83.411	87.633	718.99
#1	.00013	-.00028	.00139
#2	.00049	-.00007	-.00207
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8114.9**	**109500.**	**6537.9**
Stddev	15.6	421.	1.6
%RSD	.19221	.38470	.02437
#1	8125.9	109210.	6536.8
#2	8103.9	109800.	6539.0

Sample Name: mb 280-199584/1-a Acquired: 11/11/2013 17:32:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00056**	**.00229**	**.00822**	**.00005**	**.00003**	**.00118**	**.04984**	**.00005**	**.00019**
Stddev	.00037	.00006	.00013	.00036	.00034	.00001	.00010	.00377	.00000	.00010
%RSD	77.052	10.492	5.7314	4.4320	630.42	15.433	8.4532	7.5570	8.2181	54.930
#1	.00022	.00061	.00239	.00797	.00030	.00003	.00111	.04717	.00006	.00012
#2	.00075	.00052	.00220	.00848	-.00019	.00004	.00126	.05250	.00005	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00003**	**.00993**	**.09223**	**-.00043**	**.00667**	**.00024**	**.00024**	F **1.2188**	**.00048**
Stddev	.00012	.00003	.00314	.00960	.00004	.00062	.00000	.00003	.0102	.00000
%RSD	126.03	78.768	31.635	10.404	8.2000	9.3328	1.6643	13.603	.83494	.10089
#1	.00001	-.00005	.01215	.08545	-.00040	.00711	.00024	.00021	1.2260	.00048
#2	.00017	-.00002	.00771	.09902	-.00045	.00623	.00024	.00026	1.2116	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00567**	**.00099**	F **2.2500**	**-.00097**	**.00123**	**.04375**	**.09362**	**.00050**	**.00246**	**-.00057**
Stddev	.00052	.00062	.0155	.00004	.00128	.01142	.02443	.00070	.00009	.00189
%RSD	9.0957	62.295	.68648	4.5439	103.79	26.094	26.094	140.64	3.5699	332.98
#1	.00530	.00055	2.2390	-.00100	.00214	.05182	.11090	.00099	.00240	-.00190
#2	.00603	.00143	2.2609	-.00094	.00033	.03568	.07635	.00000	.00252	.00077
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00080**	**-.00145**	**-.00017**	**.00212**	**.00282**
Stddev	.00019	.00049	.05794	.00000	.00009	.00011
%RSD	105.29	61.015	4009.1	.29369	4.0617	3.8778
#1	-.00005	-.00046	-.04241	-.00017	.00206	.00289
#2	-.00031	-.00115	.03952	-.00017	.00218	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8154.5**	**110600.**	**6563.9**
Stddev	2.8	324.	15.9
%RSD	.03476	.29256	.24205
#1	8152.5	110370.	6552.7
#2	8156.5	110830.	6575.1

Sample Name: lcs 280-199584/2-a Acquired: 11/11/2013 17:34:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04895**	**1.9717**	**.98196**	**.99001**	**2.0307**	**.05025**	**2.1873**	**49.659**	**.10360**	**.49155**
Stddev	.00060	.0012	.00003	.00160	.0184	.00069	.0024	.545	.00035	.00010
%RSD	1.2185	.06161	.00343	.16133	.90370	1.3803	.10895	1.0971	.34067	.02004
#1	.04938	1.9708	.98199	.99114	2.0177	.04976	2.1890	49.273	.10385	.49162
#2	.04853	1.9725	.98194	.98888	2.0436	.05074	2.1856	50.044	.10335	.49148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20321**	**.25184**	**1.0177**	**51.203**	**1.0156**	**49.620**	**.49452**	**1.0188**	**52.368**	**.49583**
Stddev	.00019	.00035	.0199	.560	.0067	.006	.00080	.0001	.041	.00017
%RSD	.09209	.13892	1.9529	1.0946	.65956	.01245	.16211	.01107	.07900	.03517
#1	.20334	.25209	1.0037	50.806	1.0109	49.615	.49396	1.0189	52.398	.49595
#2	.20308	.25159	1.0318	51.599	1.0203	49.624	.49509	1.0188	52.339	.49570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.006**	**.49057**	**1.7965**	**.47539**	**1.9273**	**10.167**	**21.758**	**2.0017**	**1.0109**	**1.0003**
Stddev	.003	.00022	.0148	.00144	.0052	.074	.158	.0000	.0093	.0015
%RSD	.03007	.04448	.82139	.30363	.26970	.72678	.72678	.00137	.92214	.15479
#1	10.008	.49042	1.7860	.47437	1.9310	10.115	21.646	2.0017	1.0044	1.0014
#2	10.004	.49072	1.8069	.47641	1.9237	10.220	21.870	2.0017	1.0175	.99917
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99702**	**1.9181**	**2.1475**	**.50354**	**.49579**	**.51647**
Stddev	.00038	.0069	.0347	.00088	.00022	.00492
%RSD	.03797	.36030	1.6163	.17474	.04378	.95188
#1	.99729	1.9230	2.1720	.50417	.49594	.51299
#2	.99675	1.9132	2.1229	.50292	.49563	.51995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7798.1**	**103940.**	**6461.8**
Stddev	14.1	102.	52.8
%RSD	.18137	.09809	.81775
#1	7808.1	104020.	6499.1
#2	7788.1	103870.	6424.4

Sample Name: 280-48773-c-1-e Acquired: 11/11/2013 17:36:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**1.3708**	**.00327**	**1.1408**	**.04003**	**.00004**	**.00177**	**19.107**	**.00006**	**.00071**
Stddev	.00009	.0030	.00221	.0034	.00047	.00003	.00175	.072	.00002	.00009
%RSD	41.931	.21668	67.495	.29864	1.1662	82.522	98.391	.37537	24.839	12.064
#1	-.00016	1.3729	.00483	1.1432	.03970	.00006	.00054	19.158	.00007	.00077
#2	-.00029	1.3687	.00171	1.1383	.04036	.00002	.00301	19.056	.00005	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00565**	**.69929**	**1.1045**	**.03098**	**7.3043**	**.12261**	**.02902**	W **873.99**	**.00295**
Stddev	.00004	.00051	.00332	.0610	.00034	.0307	.00018	.00018	3.49	.00036
%RSD	4.3143	9.0030	.47507	5.5210	1.0955	.42076	.15032	.63540	.39895	12.171
#1	.00107	.00601	.70164	1.0613	.03074	7.3261	.12274	.02915	876.46	.00320
#2	.00101	.00529	.69694	1.1476	.03122	7.2826	.12248	.02889	871.53	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09355**	**-.00071**	F **230.73**	**-.00069**	**.00042**	**6.9794**	**14.936**	**-.00016**	**.59188**	**-.00381**
Stddev	.00202	.00063	.34	.00258	.00120	.0485	.104	.00003	.00297	.00162
%RSD	2.1590	88.276	.14630	376.23	287.45	.69501	.69501	21.354	.50161	42.520
#1	.09212	-.00027	230.49	.00114	-.00043	7.0137	15.009	-.00013	.59398	-.00266
#2	.09498	-.00116	230.97	-.00251	.00127	6.9451	14.862	-.00018	.58978	-.00496
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00904**	**.00257**	**.05462**	**.00620**	**.00626**	**.00149**
Stddev	.00041	.00046	.01800	.00039	.00023	.00109
%RSD	4.5434	17.820	32.948	6.2262	3.7190	73.255
#1	.00875	.00225	.04189	.00593	.00643	.00072
#2	.00933	.00290	.06734	.00647	.00610	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7440.0**	**96320.**	**6346.3**
Stddev	21.3	259.	25.2
%RSD	.28689	.26891	.39692
#1	7424.9	96137.	6328.5
#2	7455.0	96503.	6364.1

Sample Name: 280-48773-c-1-eSD@5 Acquired: 11/11/2013 17:38:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.30925**	**.00489**	**.23723**	**.00818**	**.00006**	**-.00200**	**3.8845**	**.00009**	**.00033**
Stddev	.00053	.00093	.00077	.00050	.00033	.00006	.00085	.0086	.00015	.00007
%RSD	4160.9	.30173	15.769	.21251	3.9901	97.410	42.695	.22161	164.81	19.836
#1	.00036	.30991	.00434	.23759	.00841	.00002	-.00140	3.8784	.00020	.00029
#2	-.00039	.30860	.00543	.23687	.00795	.00010	-.00260	3.8906	-.00001	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00124**	**.15740**	**.29576**	**.00369**	**1.5369**	**.02468**	**.00564**	**172.64**	**.00110**
Stddev	.00006	.00001	.00226	.01540	.00110	.0807	.00037	.00016	.50	.00006
%RSD	26.955	.49482	1.4333	5.2066	29.822	5.2497	1.4923	2.8031	.28755	5.7861
#1	.00017	.00124	.15580	.30665	.00446	1.5940	.02494	.00553	172.28	.00115
#2	.00026	.00123	.15899	.28487	.00291	1.4799	.02442	.00575	172.99	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01531**	**.00138**	**45.940**	**-.00188**	**.00021**	**1.4286**	**3.0573**	**.00234**	**.11724**	**-.00062**
Stddev	.00116	.00083	.051	.00195	.00215	.0042	.0089	.00046	.00057	.00196
%RSD	7.5594	60.255	.11011	103.64	1004.6	.29236	.29236	19.760	.48258	314.18
#1	.01612	.00197	45.975	-.00326	-.00131	1.4316	3.0636	.00202	.11684	.00076
#2	.01449	.00079	45.904	-.00050	.00174	1.4257	3.0510	.00267	.11764	-.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**.00101**	**.01635**	**.00168**	**.00673**	**.00189**
Stddev	.00027	.00074	.04609	.00094	.00020	.00145
%RSD	8.2244	73.441	281.89	55.886	2.9088	76.488
#1	.00305	.00048	.04894	.00234	.00686	.00087
#2	.00343	.00153	-.01624	.00102	.00659	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7815.1**	**102640.**	**6410.4**
Stddev	20.6	420.	34.3
%RSD	.26368	.40892	.53558
#1	7800.6	102350.	6434.7
#2	7829.7	102940.	6386.1

Sample Name: 280-48773-c-1-f ms Acquired: 11/11/2013 17:41:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**4.3904**	**1.0163**	**2.0483**	**2.0735**	**.04981**	F **2.1210**	**68.326**	**.10558**	**.48843**
Stddev	.00009	.0004	.0035	.0037	.0008	.00020	.0009	.046	.00005	.00090
%RSD	.17270	.00984	.34420	.17983	.03701	.39282	.04079	.06777	.04681	.18515
#1	.05137	4.3907	1.0188	2.0509	2.0730	.04994	2.1217	68.293	.10554	.48907
#2	.05149	4.3901	1.0138	2.0457	2.0741	.04967	2.1204	68.358	.10561	.48779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20060**	**.25842**	**1.8370**	**55.211**	**1.0568**	**55.935**	**.62412**	**1.0301**	W **918.50**	**.49263**
Stddev	.00035	.00018	.0048	.317	.0023	.027	.00012	.0020	.56	.00088
%RSD	.17646	.06864	.25999	.57353	.21617	.04891	.01931	.19356	.06150	.17807
#1	.20085	.25855	1.8336	54.987	1.0585	55.955	.62420	1.0315	918.90	.49325
#2	.20035	.25830	1.8404	55.435	1.0552	55.916	.62403	1.0287	918.10	.49200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.546**	**.46920**	F **229.48**	**.47930**	**1.9789**	**18.471**	**39.528**	**1.9442**	**1.6012**	**1.0268**
Stddev	.017	.00202	.16	.00285	.0005	.020	.042	.0011	.0012	.0010
%RSD	.16099	.43112	.07067	.59370	.02592	.10721	.10721	.05777	.07361	.09547
#1	10.558	.47063	229.60	.48132	1.9785	18.457	39.498	1.9450	1.6004	1.0275
#2	10.534	.46777	229.37	.47729	1.9792	18.485	39.558	1.9434	1.6021	1.0261
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0355**	**1.7281**	**2.0939**	**.52370**	**.52390**	**.52342**
Stddev	.0006	.0014	.0245	.00094	.00006	.00103
%RSD	.06195	.08286	1.1686	.17856	.01214	.19686
#1	1.0360	1.7291	2.0766	.52303	.52395	.52415
#2	1.0351	1.7271	2.1112	.52436	.52386	.52269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7421.1**	**96250.**	**6381.4**
Stddev	17.0	552.	67.9
%RSD	.22885	.57360	1.0639
#1	7409.1	95859.	6429.4
#2	7433.2	96640.	6333.4

Sample Name: 280-48773-c-1-g msd Acquired: 11/11/2013 17:43:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05335**	**4.4784**	**1.0432**	**2.0886**	**2.1100**	**.05091**	F **2.1639**	**69.473**	**.10736**	**.49410**
Stddev	.00002	.0061	.0001	.0001	.0042	.00003	.0041	.201	.00042	.00046
%RSD	.03377	.13534	.01480	.00427	.19760	.05445	.19128	.28902	.39250	.09267
#1	.05334	4.4741	1.0434	2.0885	2.1071	.05093	2.1610	69.331	.10766	.49443
#2	.05336	4.4827	1.0431	2.0887	2.1130	.05089	2.1668	69.615	.10706	.49378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20370**	**.26260**	**1.8824**	**56.514**	**1.0738**	**56.939**	**.63378**	**1.0495**	W **934.76**	**.49899**
Stddev	.00023	.00087	.0029	.224	.0064	.072	.00089	.0008	3.59	.00030
%RSD	.11280	.33058	.15399	.39624	.59269	.12576	.13995	.07880	.38394	.05949
#1	.20354	.26199	1.8844	56.356	1.0693	56.888	.63315	1.0489	932.22	.49920
#2	.20387	.26321	1.8803	56.673	1.0783	56.990	.63441	1.0501	937.30	.49878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.754**	**.47313**	F **233.10**	**.48959**	**2.0210**	**18.822**	**40.279**	**1.9791**	**1.6304**	**1.0461**
Stddev	.002	.00065	.35	.00104	.0075	.142	.305	.0034	.0047	.0004
%RSD	.01683	.13765	.15112	.21340	.36959	.75601	.75601	.17313	.28780	.04049
#1	10.753	.47359	233.35	.48885	2.0262	18.721	40.063	1.9815	1.6271	1.0458
#2	10.755	.47267	232.85	.49032	2.0157	18.922	40.494	1.9767	1.6337	1.0464
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0516**	**1.7524**	**2.1132**	**.53136**	**.53495**	**.53371**
Stddev	.0014	.0032	.0199	.00039	.00231	.00140
%RSD	.13710	.18026	.94200	.07298	.43113	.26212
#1	1.0505	1.7502	2.1273	.53163	.53332	.53272
#2	1.0526	1.7547	2.0991	.53108	.53658	.53470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7483.6**	**95756.**	**6388.1**
Stddev	5.7	291.	25.1
%RSD	.07662	.30387	.39235
#1	7479.5	95962.	6405.8
#2	7487.6	95551.	6370.3

Sample Name: 280-48773-c-1-ePDS Acquired: 11/11/2013 17:45:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**2.3551**	W **2.6931**	**.20619**	**1.2036**	**.14076**	**.04997**	**-.00151**	**38.458**	**.05155**
Stddev	.00071	.0066	.0185	.00231	.0103	.00101	.00098	.00202	.504	.00006
%RSD	1.3835	.28180	.68536	1.1224	.85334	.71804	1.9516	133.81	1.3117	.12323
#1	.05101	2.3598	2.6801	.20456	1.2109	.14005	.04928	-.00294	38.102	.05150
#2	.05201	2.3504	2.7062	.20783	1.1963	.14148	.05066	-.00008	38.815	.05159
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04993**	**.05092**	**.05637**	**1.7291**	**23.065**	**.13623**	**25.921**	**.16912**	**.07469**	W **881.72**
Stddev	.00003	.00011	.00064	.0237	.262	.00517	.055	.00007	.00001	11.28
%RSD	.05632	.22280	1.1389	1.3727	1.1341	3.7951	.21138	.04189	.01921	1.2798
#1	.04991	.05084	.05682	1.7123	22.880	.13257	25.882	.16907	.07470	873.75
#2	.04994	.05100	.05592	1.7459	23.250	.13988	25.960	.16918	.07468	889.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05202**	W **2.2081**	**.09410**	F **227.66**	**.08819**	**.20143**	**11.899**	**25.464**	**.09058**	**.63413**
Stddev	.00035	.0012	.00041	.12	.00103	.00156	.094	.201	.00054	.00806
%RSD	.67467	.05264	.43892	.05335	1.1660	.77657	.79098	.79098	.59294	1.2713
#1	.05227	2.2072	.09381	227.75	.08747	.20032	11.833	25.322	.09096	.62843
#2	.05177	2.2089	.09439	227.58	.08892	.20253	11.966	25.607	.09020	.63983
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000		200.00						
Low Limit		-1.0000		-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19881**	**.07251**	**.17660**	**.51816**	**.05658**	**.21670**	**.05349**
Stddev	.00046	.00300	.00135	.01422	.00004	.00080	.00042
%RSD	.23234	4.1409	.76406	2.7438	.06730	.36943	.78361
#1	.19848	.07463	.17565	.50810	.05656	.21614	.05319
#2	.19914	.07039	.17756	.52821	.05661	.21727	.05378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7551.5**	**98327.**	**6570.9**
Stddev	1.1	540.	4.8
%RSD	.01399	.54899	.07300
#1	7552.2	98709.	6574.3
#2	7550.7	97945.	6567.5

Sample Name: CCVH-2372891 Acquired: 11/11/2013 17:47:50 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00749**	**51.628**	**.00221**	**.00879**	**.00021**	**-.00008**	**1.0495**	**.03928**	**-.00030**	**-.00019**	**.00010**	**.01140**	**51.236**
Stddev	.00037	.038	.00091	.00097	.00006	.00004	.0005	.00092	.00017	.00008	.00003	.00029	.039
%RSD	4.9046	.07283	41.080	11.043	29.551	53.200	.04622	2.3371	57.439	41.701	33.803	2.5744	.07671
#1	.00775	51.601	.00157	.00948	.00017	-.00011	1.0492	.03863	-.00018	-.00013	.00008	.01160	51.209
#2	.00723	51.655	.00286	.00811	.00026	-.00005	1.0499	.03993	-.00042	-.00025	.00013	.01119	51.264
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37072**	**.00067**	**.09654**	**.00077**	**.00028**	**259.42**	**-.00048**	**-.00042**	**.00023**	F **6.7776**	**.00025**	**-.00283**	**.00313**
Stddev	.01974	.00123	.00295	.00001	.00022	.04	.00000	.00083	.00002	.0082	.00185	.00001	.00316
%RSD	5.3243	184.12	3.0604	1.7110	77.156	.01530	.88486	198.05	10.729	.12144	728.22	.48579	100.96
#1	.38468	.00154	.09863	.00076	.00013	259.45	-.00048	-.00101	.00021	6.7718	.00156	-.00282	.00536
#2	.35677	-.00020	.09445	.00077	.00043	259.39	-.00047	.00017	.00025	6.7834	-.00105	-.00284	.00089
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00669**	**.00032**	**.00072**	**5.0002**	**-.01233**	**.00186**	F **6.2226**	**.00195**	**.00107**	**.05833**
Stddev	.00675	.00009	.00004	.0132	.00041	.00052	.0573	.00070	.00068	.00013
%RSD	100.96	29.519	5.0864	.26296	3.3555	28.041	.92150	35.709	63.520	.22556
#1	.01146	.00038	.00075	4.9909	-.01262	.00149	6.2631	.00244	.00059	.05824
#2	.00191	.00025	.00070	5.0095	-.01204	.00222	6.1820	.00146	.00155	.05843
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8005.6**	**105470.**	**6601.0**
Stddev	4.2	205.	39.0
%RSD	.05213	.19451	.59018
#1	8002.7	105320.	6628.5
#2	8008.6	105610.	6573.4

Sample Name: CCV-2372889 Acquired: 11/11/2013 17:50:13 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49779**	**.51767**	**.99526**	**.50363**	**.50194**	**.49425**	**-.00174**	**5.0787**	**.49972**	**.50788**	**.50534**	**.50246**	**2.4863**
Stddev	.00083	.00192	.00350	.00039	.00238	.00143	.00031	.0063	.00073	.00008	.00015	.00157	.0033
%RSD	.16729	.37001	.35184	.07798	.47427	.29026	17.764	.12489	.14701	.01580	.02979	.31297	.13421
#1	.49721	.51631	.99279	.50335	.50026	.49324	-.00195	5.0743	.49920	.50794	.50544	.50135	2.4886
#2	.49838	.51902	.99774	.50391	.50362	.49526	-.00152	5.0832	.50024	.50783	.50523	.50357	2.4839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.516**	**.99917**	**19.929**	**.50122**	**.50616**	F **5.6070**	**.50913**	**.98888**	**1.0237**	**1.4800**	**.99231**	**.99176**	**4.9862**
Stddev	.085	.00603	.016	.00023	.00034	.0257	.00034	.00233	.0007	.0044	.00320	.00055	.0033
%RSD	.16924	.60316	.08002	.04665	.06671	.45814	.06659	.23560	.06600	.29525	.32263	.05594	.06624
#1	50.456	.99491	19.940	.50106	.50640	5.6251	.50889	.99053	1.0242	1.4831	.99004	.99137	4.9839
#2	50.577	1.0034	19.918	.50139	.50592	5.5888	.50937	.98724	1.0232	1.4769	.99457	.99215	4.9886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0105**	**.49968**	**-.00343**	**.49722**	**1.0194**	**-.02065**	**.49951**	**.50390**	**.50369**
Stddev	.007	.0014	.00196	.00110	.00110	.0013	.01015	.00140	.00409	.00591
%RSD	.06624	.13713	.39145	32.207	.22050	.12664	49.122	.28025	.81084	1.1738
#1	10.666	1.0095	.49830	-.00265	.49645	1.0203	-.02783	.49852	.50679	.49951
#2	10.676	1.0115	.50106	-.00421	.49800	1.0185	-.01348	.50050	.50101	.50787
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8054.7**	**107600.**	**6585.6**
Stddev	5.0	39.	58.7
%RSD	.06217	.03604	.89187
#1	8058.3	107630.	6544.1
#2	8051.2	107570.	6627.2

Sample Name: CCB Acquired: 11/11/2013 17:52:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00482**	**-.00020**	W **.00578**	**-.00014**	**-.00001**	**-.00029**	**.00265**	**-.00013**	**.00020**	**-.00001**	**-.00025**
Stddev	.00007	.00033	.00183	.00035	.00011	.00000	.00192	.00101	.00014	.00016	.00010	.00035
%RSD	93.010	6.8830	894.60	6.1218	84.582	7.3360	666.55	37.939	107.67	78.928	680.67	140.68
#1	.00003	-.00459	.00109	.00603	-.00005	-.00001	-.00165	.00194	-.00003	.00032	-.00009	.00000
#2	.00013	-.00506	-.00150	.00553	-.00022	-.00001	.00107	.00336	-.00023	.00009	.00006	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00201**	**.12572**	**-.00002**	**-.00189**	**.00006**	**.00038**	F **.29602**	**-.00006**	**-.00380**	**-.00078**	F **1.4442**	F **.00866**
Stddev	.00153	.06590	.00044	.00278	.00004	.00016	.00526	.00029	.00078	.00115	.0050	.00548
%RSD	76.004	52.417	2033.7	147.29	60.996	42.827	1.7768	439.66	20.517	147.41	.34784	63.242
#1	-.00093	.07913	.00029	-.00385	.00009	.00049	.29974	.00014	-.00325	.00003	1.4407	.00479
#2	-.00309	.17232	-.00033	.00008	.00003	.00026	.29230	-.00027	-.00436	-.00160	1.4478	.01254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.18320				.20000	.00628
Low Limit							-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.01258**	**.02693**	**.00010**	**.00007**	**-.00044**	**-.00040**	**.00065**	F **-.05292**	**.00022**	**.00215**	**.00180**
Stddev	.00086	.00176	.00377	.00069	.00006	.00225	.00031	.00056	.01594	.00000	.00003	.00049
%RSD	35.951	14.008	14.008	697.88	94.092	513.95	77.992	87.087	30.119	1.4036	1.4648	27.400
#1	.00300	.01383	.02959	.00059	.00011	-.00203	-.00062	.00105	-.04165	.00022	.00217	.00214
#2	.00178	.01134	.02426	-.00039	.00002	.00116	-.00018	.00025	-.06420	.00022	.00212	.00145
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8101.8**	**109160.**	**6445.3**
Stddev	32.7	263.	23.5
%RSD	.40338	.24091	.36419
#1	8078.7	108970.	6461.9
#2	8124.9	109340.	6428.7

Sample Name: CCVL-2372865 Acquired: 11/11/2013 17:54:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.10689**	**.01541**	**.10477**	**.01078**	**.00107**	**.12516**	**.21902**	**.00529**	**.01117**	**.01065**	**.01613**	**.10562**
Stddev	.00029	.00040	.00148	.00029	.00024	.00011	.00185	.00663	.00008	.00028	.00009	.00025	.00175
%RSD	2.6906	.37325	9.6212	.27454	2.2076	10.688	1.4820	3.0253	1.4407	2.4913	.82570	1.5777	1.6533
#1	.01059	.10660	.01645	.10457	.01061	.00099	.12647	.21433	.00524	.01097	.01071	.01595	.10438
#2	.01100	.10717	.01436	.10497	.01095	.00115	.12384	.22371	.00535	.01136	.01058	.01631	.10685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3160**	**.00817**	**.21495**	**.01061**	**.02079**	F **1.3284**	**.04389**	**3.0084**	**.01022**	**1.3203**	**.00975**	**.01515**	**.50880**
Stddev	.0159	.00075	.00371	.00003	.00037	.0248	.00004	.0053	.00002	.0021	.00121	.00030	.00187
%RSD	.47943	9.1326	1.7245	.26680	1.7662	1.8637	.10064	.17588	.22432	.15692	12.413	1.9887	.36728
#1	3.3272	.00764	.21233	.01059	.02105	1.3109	.04392	3.0121	.01020	1.3217	.00889	.01493	.51013
#2	3.3047	.00870	.21757	.01063	.02053	1.3459	.04386	3.0046	.01024	1.3188	.01060	.01536	.50748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0888**	**.10729**	**.01064**	**.01441**	**.00964**	**.01696**	**.05734**	**.01034**	**.02345**	**.01792**
Stddev	.0040	.00151	.00012	.00220	.00044	.00128	.00777	.00036	.00007	.00004
%RSD	.36728	1.4033	1.0842	15.291	4.5827	7.5422	13.557	3.4752	.31734	.21146
#1	1.0917	.10835	.01055	.01596	.00995	.01606	.05185	.01008	.02339	.01789
#2	1.0860	.10623	.01072	.01285	.00932	.01787	.06284	.01059	.02350	.01795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8287.2**	**112190.**	**6680.5**
Stddev	24.5	997.	35.1
%RSD	.29619	.88902	.52524
#1	8269.9	111490.	6705.3
#2	8304.6	112900.	6655.7

Sample Name: 280-48773-c-4-c Acquired: 11/11/2013 17:56:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.02386**	**.00274**	**1.0737**	**.01572**	**-.00004**	**.00033**	**53.958**	**.00010**	**.00116**
Stddev	.00068	.00077	.00019	.0015	.00044	.00004	.00048	.109	.00021	.00021
%RSD	267.18	3.2142	6.7534	.14068	2.7872	90.545	144.36	.20258	215.60	17.765
#1	.00074	.02332	.00287	1.0748	.01541	-.00007	-.00001	53.881	.00024	.00131
#2	-.00023	.02440	.00261	1.0726	.01603	-.00002	.00067	54.036	-.00005	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00224**	**.14541**	**.77121**	**.03670**	**10.996**	**.92304**	**.00557**	W **924.64**	**.00170**
Stddev	.00008	.00037	.00263	.08193	.00132	.007	.00174	.00005	.99	.00011
%RSD	69.409	16.477	1.8084	10.624	3.5989	.06092	.18836	.96692	.10733	6.3728
#1	.00018	.00250	.14355	.71328	.03576	11.000	.92181	.00553	923.94	.00178
#2	.00006	.00198	.14727	.82915	.03763	10.991	.92427	.00560	925.35	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01336**	**.00005**	F **317.81**	**-.00143**	**-.00066**	**4.7539**	**10.173**	**.00011**	**1.3323**	**-.00303**
Stddev	.00070	.00122	.52	.00023	.00109	.0270	.058	.00046	.0019	.00295
%RSD	5.2341	2545.6	.16234	15.803	164.76	.56771	.56771	425.28	.14233	97.516
#1	.01385	-.00081	317.44	-.00127	.00011	4.7348	10.132	.00043	1.3309	-.00512
#2	.01286	.00091	318.17	-.00159	-.00143	4.7730	10.214	-.00022	1.3336	-.00094
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00000**	**.04740**	**.00541**	**.01117**	**.00183**
Stddev	.00014	.0005	.02796	.00000	.00037	.00332
%RSD	36.626	33263.	58.986	.08466	3.3016	181.17
#1	.00047	-.00033	.06717	.00541	.01143	-.00051
#2	.00028	.00033	.02763	.00540	.01091	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7460.8**	**96682.**	**6564.0**
Stddev	29.2	166.	7.3
%RSD	.39137	.17123	.11170
#1	7481.5	96799.	6569.2
#2	7440.2	96564.	6558.9

Sample Name: 280-48773-c-5-c Acquired: 11/11/2013 17:59:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00044**	**.00128**	**1.6855**	**.01296**	**.00001**	**-.00050**	**87.513**	**.00017**	**.00001**
Stddev	.00021	.00012	.00272	.0042	.00008	.00006	.00330	.308	.00024	.00014
%RSD	220.38	26.391	212.23	.24675	.62921	864.41	656.47	.35249	145.50	1269.9
#1	-.00005	-.00036	-.00064	1.6826	.01301	.00005	-.00284	87.731	.00034	-.00009
#2	.00024	-.00052	.00320	1.6884	.01290	-.00004	.00183	87.295	.00000	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00347**	**.00540**	**1.4521**	**.09774**	**16.258**	**.16094**	**.00685**	RW **1280.5**	**.00144**
Stddev	.00007	.00048	.00111	.0763	.00376	.001	.00014	.00018	4.1	.00014
%RSD	21.391	13.889	20.481	5.2541	3.8444	.00318	.08753	2.5698	.32036	10.047
#1	.00027	.00313	.00618	1.3981	.10039	16.258	.16084	.00673	1283.4	.00155
#2	.00036	.00381	.00462	1.5060	.09508	16.258	.16104	.00698	1277.6	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03045**	**-.00028**	F **480.44**	**-.00298**	**.03450**	**6.1607**	**13.184**	**-.00029**	**2.4233**	**-.00172**
Stddev	.00231	.00065	.64	.00149	.00050	.0684	.146	.00011	.0072	.00001
%RSD	7.5975	233.69	.13331	50.004	1.4536	1.1111	1.1111	39.739	.29882	.69438
#1	.02881	-.00074	479.99	-.00403	.03415	6.1123	13.080	-.00021	2.4284	-.00173
#2	.03208	.00018	480.90	-.00192	.03486	6.2091	13.287	-.00037	2.4181	-.00171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00036**	**.06857**	**.00265**	**.00247**	**.00271**
Stddev	.00028	.00086	.02415	.00013	.00027	.00037
%RSD	47.131	237.87	35.213	5.0855	10.882	13.649
#1	-.00040	-.00025	.08565	.00275	.00266	.00245
#2	-.00080	.00097	.05150	.00256	.00228	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7325.9**	**94234.**	**6424.2**
Stddev	11.5	407.	77.2
%RSD	.15727	.43147	1.2011
#1	7317.8	94521.	6369.7
#2	7334.0	93946.	6478.8

Sample Name: 280-48773-c-6-c Acquired: 11/11/2013 18:02:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00201**	**.00192**	**1.7824**	**.00736**	**-.00003**	**.00089**	**29.105**	**-.00002**	**.00003**
Stddev	.00049	.00020	.00135	.0150	.00018	.00002	.00088	.092	.00019	.00005
%RSD	827.06	9.8394	70.055	.84137	2.4609	61.591	98.770	.31604	1044.0	173.17
#1	-.00029	.00215	.00287	1.7718	.00749	-.00005	.00027	29.170	-.00015	.00006
#2	.00041	.00187	.00097	1.7930	.00723	-.00002	.00151	29.040	.00012	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**.00211**	**.03106**	**1.4840**	**.28915**	**5.1821**	**.00038**	**.00849**	W **907.98**	**.00081**
Stddev	.00015	.00000	.00137	.0289	.00420	.0028	.00007	.00012	3.76	.00051
%RSD	7.2666	.00237	4.3992	1.9493	1.4533	.05447	18.656	1.3879	.41413	62.916
#1	.00221	.00211	.03202	1.4635	.29212	5.1841	.00033	.00857	910.64	.00117
#2	.00199	.00211	.03009	1.5044	.28618	5.1801	.00043	.00841	905.32	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01241**	**-.00161**	F **396.07**	**-.00330**	**.08811**	**3.9660**	**8.4873**	**-.00013**	**2.0706**	**-.00363**
Stddev	.00049	.00087	2.69	.00061	.00367	.0311	.0666	.00053	.0074	.00099
%RSD	3.9679	53.809	.67967	18.494	4.1668	.78493	.78493	398.84	.35741	27.335
#1	.01206	-.00222	394.17	-.00287	.09070	3.9440	8.4402	-.00051	2.0758	-.00433
#2	.01276	-.00100	397.98	-.00373	.08551	3.9880	8.5344	.00024	2.0653	-.00293
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00111**	**.05815**	**.01636**	**.00714**	**.00235**
Stddev	.00019	.00002	.01126	.00038	.00041	.00325
%RSD	34.027	1.4825	19.363	2.3002	5.7996	138.01
#1	-.00069	.00110	.05019	.01663	.00685	.00465
#2	-.00042	.00113	.06611	.01609	.00743	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7579.1**	**98340.**	**6640.7**
Stddev	36.5	288.	53.0
%RSD	.48182	.29266	.79809
#1	7604.9	98137.	6678.2
#2	7553.2	98544.	6603.2

Sample Name: 280-48773-c-7-c Acquired: 11/11/2013 18:04:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00062**	**.00150**	**1.4472**	**.00797**	**-.00003**	**-.00128**	**21.569**	**.00006**	**-.00010**
Stddev	.00049	.00033	.00084	.0069	.00002	.00006	.00446	.049	.00000	.00003
%RSD	421.90	53.592	56.084	.47369	.28355	221.88	347.45	.22704	1.2779	26.741
#1	.00023	.00039	.00209	1.4423	.00795	.00002	-.00444	21.535	.00006	-.00008
#2	-.00046	.00086	.00091	1.4520	.00799	-.00007	.00187	21.604	.00006	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00186**	**-.00015**	**2.2755**	**.46460**	**2.5235**	**.00026**	**.00115**	RW **1051.8**	**.00021**
Stddev	.00026	.00022	.00034	.0830	.00171	.0059	.00005	.00009	1.5	.00062
%RSD	33.076	11.793	221.15	3.6459	.36776	.23191	19.510	7.8175	.14687	293.17
#1	.00098	.00171	-.00039	2.2168	.46339	2.5194	.00023	.00122	1050.8	.00065
#2	.00061	.00202	.00009	2.3341	.46581	2.5276	.00030	.00109	1052.9	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00054**	F **381.18**	**-.00098**	**.07453**	**4.3851**	**9.3841**	**-.00002**	**1.6820**	**-.00096**
Stddev	.00071	.00021	2.19	.00272	.00028	.0304	.0650	.00015	.0004	.00220
%RSD	9.7964	39.516	.57525	278.62	.36983	.69301	.69301	936.87	.02282	227.86
#1	.00780	-.00069	379.63	-.00290	.07433	4.3636	9.3381	-.00012	1.6817	-.00252
#2	.00679	-.00039	382.73	.00095	.07472	4.4066	9.4301	.00009	1.6823	.00059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**-.00015**	**.02534**	**.04496**	**.00261**	**.00273**
Stddev	.00006	.00022	.04721	.00021	.00033	.00043
%RSD	12.915	143.32	186.29	.45699	12.536	15.706
#1	-.00042	.00000	.05873	.04481	.00238	.00243
#2	-.00050	-.00030	-.00804	.04510	.00285	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7453.8**	**97978.**	**6654.9**
Stddev	34.3	573.	39.6
%RSD	.46010	.58435	.59467
#1	7478.0	97573.	6682.9
#2	7429.5	98382.	6627.0

Sample Name: 280-48773-c-8-e Acquired: 11/11/2013 18:07:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.02122**	**.00022**	**1.3509**	**.01280**	**.00001**	**.00039**	**48.231**	**.00005**	**-.00008**
Stddev	.00128	.00005	.00213	.0126	.00019	.00001	.00010	.624	.00005	.00012
%RSD	340.38	.21924	968.53	.93596	1.4665	125.60	24.757	1.2943	95.785	148.98
#1	-.00128	.02119	.00172	1.3420	.01294	.00000	.00032	47.790	.00008	-.00016
#2	.00053	.02126	-.00128	1.3598	.01267	.00001	.00046	48.673	.00002	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00277**	**.04318**	**1.3465**	**.16283**	**10.911**	**.00610**	**.00147**	W **961.40**	**.00066**
Stddev	.00005	.00006	.00111	.0706	.00172	.171	.00004	.00019	12.06	.00000
%RSD	24.863	2.0609	2.5693	5.2440	1.0589	1.5676	.66058	12.952	1.2544	.29661
#1	.00016	.00281	.04239	1.2966	.16161	10.790	.00607	.00133	952.88	.00066
#2	.00023	.00273	.04396	1.3964	.16405	11.032	.00613	.00160	969.93	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04223**	**-.00082**	F **358.02**	**-.00176**	**.06348**	**4.4478**	**9.5182**	**.00049**	**1.7229**	**-.00319**
Stddev	.00212	.00059	.32	.00091	.00284	.0597	.1278	.00028	.0204	.00177
%RSD	5.0156	72.080	.08931	51.781	4.4658	1.3427	1.3427	56.373	1.1868	55.574
#1	.04073	-.00040	357.79	-.00112	.06148	4.4055	9.4279	.00029	1.7085	-.00193
#2	.04373	-.00124	358.24	-.00240	.06549	4.4900	9.6086	.00068	1.7374	-.00444
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00049**	**.10233**	**.00289**	**.01406**	**.00042**
Stddev	.00036	.00005	.01014	.00008	.00014	.00094
%RSD	151.23	10.120	9.9119	2.6475	.96525	223.77
#1	-.00049	-.00046	.10950	.00294	.01396	.00108
#2	.00002	-.00053	.09515	.00284	.01415	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7406.9**	**97733.**	**6816.7**
Stddev	7.1	769.	82.7
%RSD	.09644	.78676	1.2132
#1	7411.9	98276.	6875.2
#2	7401.8	97189.	6758.3

Sample Name: CCVH-2372891 Acquired: 11/11/2013 18:10:09 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**51.818**	**.00089**	**.00721**	**-.00004**	**-.00004**	W **1.0588**	**.03023**	**.00007**	**-.00035**	**-.00007**	**.01172**
Stddev	.00009	.290	.00029	.00103	.00030	.00004	.0013	.00577	.00007	.00002	.00004	.00029
%RSD	1.3369	.55888	32.751	14.217	759.10	95.529	.12601	19.084	93.280	4.7818	53.677	2.4795
#1	.00692	51.613	.00110	.00793	.00018	-.00007	1.0598	.03431	.00012	-.00034	-.00005	.01193
#2	.00705	52.023	.00069	.00649	-.00026	-.00001	1.0579	.02615	.00002	-.00036	-.00010	.01152
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.432**	**.40215**	**.00435**	**.08363**	**.00067**	**-.00018**	**262.10**	**-.00004**	**-.00064**	**.00032**	F **6.4520**	**.00072**
Stddev	.097	.01131	.00149	.00043	.00009	.00019	.58	.00001	.00090	.00040	.0064	.00255
%RSD	.18887	2.8116	34.248	.51765	12.866	106.24	.22237	37.762	141.86	122.97	.09889	353.71
#1	51.501	.39415	.00540	.08333	.00073	-.00004	261.69	-.00005	-.00127	.00060	6.4566	-.00108
#2	51.363	.41014	.00329	.08394	.00061	-.00031	262.52	-.00003	.00000	.00004	6.4475	.00253
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00393**	**.00384**	**.00822**	**.00022**	**.00068**	**5.0144**	**-.01248**	**.00135**	F **6.2803**	**.00096**	**.00071**	**.06077**
Stddev	.00110	.00146	.00312	.00010	.00045	.0174	.00034	.00204	.0313	.00052	.00030	.00350
%RSD	28.046	37.901	37.901	45.721	66.114	.34694	2.6888	150.74	.49879	54.471	42.614	5.7610
#1	-.00471	.00487	.01043	.00029	.00100	5.0267	-.01272	-.00009	6.2582	.00133	.00050	.05829
#2	-.00315	.00281	.00602	.00015	.00036	5.0021	-.01224	.00279	6.3025	.00059	.00093	.06324
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.8**	**107030.**	**6719.1**
Stddev	42.4	74.	50.1
%RSD	.52458	.06889	.74632
#1	8061.8	106970.	6754.5
#2	8121.8	107080.	6683.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 18:12:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50103**	**.52298**	**1.0023**	**.50764**	**.50557**	**.49970**	**-.00042**	**5.1089**	**.50361**	**.50773**	**.50657**	**.50484**	**2.5175**
Stddev	.00055	.00122	.0034	.00020	.00133	.00102	.00134	.0110	.00057	.00003	.00072	.00077	.0108
%RSD	.11051	.23402	.34171	.03991	.26339	.20393	322.83	.21530	.11395	.00652	.14230	.15322	.42806
#1	.50064	.52212	1.0048	.50750	.50462	.49898	.00053	5.1012	.50320	.50776	.50708	.50539	2.5251
#2	.50143	.52385	.99991	.50778	.50651	.50042	-.00137	5.1167	.50402	.50771	.50606	.50430	2.5098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.874**	**1.0023**	**19.918**	**.50114**	**.50870**	F **5.8314**	**.50979**	**.99526**	**1.0238**	**1.1665**	**1.0064**	**.99833**	**5.0010**
Stddev	.001	.0006	.004	.00112	.00043	.0302	.00076	.00274	.0004	.0032	.0061	.00858	.0506
%RSD	.00287	.05856	.01896	.22437	.08459	.51713	.14886	.27576	.03500	.27817	.60770	.85978	1.0115
#1	50.875	1.0028	19.915	.50034	.50839	5.8527	.51033	.99720	1.0240	1.1642	1.0107	1.0044	4.9653
#2	50.873	1.0019	19.921	.50193	.50900	5.8100	.50926	.99332	1.0235	1.1688	1.0020	.99226	5.0368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.702**	**1.0133**	**.50410**	**-.00621**	**.49780**	**1.0249**	**-.02334**	**.50141**	**.50286**	**.50490**
Stddev	.108	.0062	.00044	.00154	.00058	.0044	.02268	.00029	.00128	.00093
%RSD	1.0115	.60717	.08693	24.852	.11729	.42816	97.164	.05696	.25429	.18481
#1	10.626	1.0177	.50379	-.00731	.49739	1.0280	-.00731	.50161	.50196	.50424
#2	10.779	1.0090	.50441	-.00512	.49821	1.0218	-.03938	.50120	.50377	.50556
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8175.2**	**109340.**	**6773.3**
Stddev	2.0	344.	6.7
%RSD	.02472	.31418	.09954
#1	8173.8	109580.	6778.1
#2	8176.7	109100.	6768.5

Sample Name: CCB Acquired: 11/11/2013 18:14:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00433**	**.00033**	W **.00466**	**.00014**	**-.00002**	**.00259**	**.00733**	**.00004**	**.00029**	**.00007**	**.00014**
Stddev	.00016	.00024	.00074	.00011	.00026	.00002	.00191	.00193	.00012	.00007	.00008	.00044
%RSD	40.565	5.4322	224.52	2.3051	186.29	140.85	73.860	26.335	311.88	25.794	122.55	313.03
#1	.00051	-.00416	.00085	.00459	.00032	-.00003	.00394	.00596	-.00005	.00034	.00012	.00046
#2	.00028	-.00450	-.00019	.00474	-.00004	.00000	.00124	.00869	.00012	.00024	.00001	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.11232**	**.00043**	F **.03424**	F **.00073**	**.00037**	F **.46646**	**.00028**	**-.00369**	**.00019**	F **1.1107**	F **.00972**
Stddev	.00231	.01782	.00274	.04567	.00088	.00012	.01445	.00015	.00135	.00067	.0148	.00143
%RSD	242.61	15.863	632.76	133.37	120.45	33.806	3.0988	54.198	36.665	359.75	1.3305	14.711
#1	.00259	.12492	-.00151	.06653	.00135	.00028	.47668	.00038	-.00465	.00066	1.1002	.00871
#2	-.00068	.09972	.00237	.00195	.00011	.00046	.45624	.00017	-.00274	-.00029	1.1211	.01074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit				.02140	.00050		.18320				.20000	.00628
Low Limit				-.02140	-.00050		-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.02174**	**.04653**	**.00012**	**.00022**	**.00382**	**-.00021**	**.00064**	**.01726**	**.00056**	**.00265**	**.00129**
Stddev	.00139	.02122	.04541	.00010	.00011	.00467	.00034	.00086	.02338	.00103	.00049	.00065
%RSD	1177.5	97.605	97.605	85.238	48.650	122.38	161.15	133.89	135.45	182.45	18.416	50.544
#1	-.00110	.03675	.07864	.00019	.00029	.00712	.00003	.00003	.03379	.00129	.00300	.00083
#2	.00086	.00674	.01441	.00005	.00014	.00051	-.00045	.00125	.00073	-.00016	.00231	.00175
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8176.0**	**111210.**	**6715.8**
Stddev	.5	184.	28.8
%RSD	.00603	.16559	.42872
#1	8176.3	111080.	6695.4
#2	8175.7	111340.	6736.1

Sample Name: CCVL-2372865 Acquired: 11/11/2013 18:16:55 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**.10791**	**.01591**	**.10452**	**.01062**	**.00107**	**.12931**	**.21941**	**.00533**	**.01127**	**.01074**	**.01593**	**.10254**
Stddev	.00029	.00076	.00308	.00018	.00000	.00001	.00175	.00343	.00016	.00004	.00015	.00007	.00401
%RSD	2.6005	.70293	19.354	.16885	.01373	1.2091	1.3506	1.5622	2.9665	.31110	1.3961	.42379	3.9097
#1	.01086	.10737	.01374	.10439	.01062	.00108	.13055	.21698	.00544	.01125	.01084	.01588	.09971
#2	.01127	.10844	.01809	.10464	.01062	.00106	.12808	.22183	.00522	.01130	.01063	.01597	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3441**	**.00929**	**.21603**	**.01061**	**.02098**	F **1.4146**	**.04379**	**3.0270**	**.01000**	**1.0167**	**.01024**	**.01460**	**.51048**
Stddev	.1062	.00097	.00299	.00006	.00048	.0056	.00002	.0032	.00051	.0232	.00095	.00209	.00346
%RSD	3.1756	10.429	1.3827	.52582	2.2802	.39617	.05073	.10566	5.1091	2.2771	9.2424	14.282	.67740
#1	3.2690	.00860	.21814	.01065	.02064	1.4107	.04377	3.0247	.00964	1.0004	.00957	.01608	.51293
#2	3.4192	.00997	.21392	.01057	.02132	1.4186	.04380	3.0292	.01036	1.0331	.01091	.01313	.50804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0924**	**.10661**	**.01065**	**.01456**	**.00980**	**.01749**	**.07171**	**.01035**	**.02307**	**.01830**
Stddev	.0074	.00101	.00011	.00095	.00030	.00025	.04732	.00057	.00068	.00073
%RSD	.67740	.95035	1.0421	6.5435	3.0976	1.4246	65.989	5.5046	2.9502	3.9956
#1	1.0977	.10590	.01073	.01388	.00958	.01731	.10517	.01076	.02356	.01881
#2	1.0872	.10733	.01057	.01523	.01001	.01766	.03825	.00995	.02259	.01778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8381.5**	**112960.**	**6792.1**
Stddev	2.4	542.	65.0
%RSD	.02915	.47950	.95734
#1	8379.8	112580.	6838.1
#2	8383.2	113350.	6746.1

Sample Name: mb 280-198991/1-a Acquired: 11/11/2013 18:19:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00103**	**.00137**	**.00362**	**-.00012**	**-.00009**	**-.00041**	**.01265**	**-.00002**	**.00028**
Stddev	.00032	.00019	.00030	.00033	.00020	.00005	.00297	.00235	.00014	.00012
%RSD	42.965	17.902	22.177	9.0888	170.61	50.512	716.07	18.602	775.64	42.293
#1	.00096	-.00116	.00159	.00385	-.00026	-.00006	.00168	.01099	-.00012	.00037
#2	.00051	-.00090	.00116	.00339	.00002	-.00013	-.00251	.01431	.00008	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00022**	**.00505**	**.05066**	**-.00084**	**.00220**	**.00013**	**-.00010**	**.24602**	**.00029**
Stddev	.00004	.00043	.00112	.00011	.00173	.00079	.00002	.00023	.01017	.00001
%RSD	2276.2	192.43	22.200	.22654	206.32	36.160	13.395	232.52	4.1356	3.6808
#1	.00003	-.00008	.00426	.05074	.00038	.00276	.00014	.00006	.25321	.00028
#2	-.00002	.00053	.00584	.05058	-.00206	.00164	.00012	-.00026	.23882	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**-.00028**	F **1.0962**	**-.00116**	**-.00250**	**.01348**	**.02885**	**.00018**	**.00010**	**.00066**
Stddev	.00022	.00048	.0159	.00333	.00000	.00111	.00237	.00042	.00007	.00014
%RSD	8.9605	172.25	1.4530	287.74	.17222	8.2001	8.2001	235.16	70.366	21.489
#1	-.00262	-.00062	1.0849	.00120	-.00250	.01426	.03053	.00048	.00015	.00076
#2	-.00231	.00006	1.1074	-.00351	-.00251	.01270	.02718	-.00012	.00005	.00056
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00010**	**-.01233**	**.00026**	**.00250**	**.00285**
Stddev	.00002	.00014	.02752	.00066	.00002	.00135
%RSD	9.0783	141.76	223.13	257.47	.74575	47.420
#1	-.00021	.00019	.00713	.00073	.00248	.00189
#2	-.00018	.00000	-.03180	-.00021	.00251	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.5**	**113340.**	**7091.2**
Stddev	24.1	702.	160.4
%RSD	.29006	.61969	2.2622
#1	8308.5	113840.	7204.6
#2	8274.5	112840.	6977.7

Sample Name: lcs 280-198991/2-a Acquired: 11/11/2013 18:21:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05130**	**1.9824**	**1.0114**	**1.0066**	**2.1209**	**.05169**	**2.2743**	**51.245**	**.10717**	**.50271**
Stddev	.00118	.0030	.0074	.0004	.0236	.00035	.0008	.609	.00005	.00043
%RSD	2.2967	.14990	.72784	.03772	1.1138	.67507	.03406	1.1885	.04538	.08525
#1	.05213	1.9803	1.0062	1.0069	2.1376	.05193	2.2737	51.676	.10713	.50302
#2	.05046	1.9845	1.0166	1.0063	2.1042	.05144	2.2748	50.814	.10720	.50241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20765**	**.26269**	**1.0297**	**53.322**	**1.0503**	**50.063**	**.50593**	**1.0298**	**55.224**	**.50565**
Stddev	.00008	.00042	.0176	.654	.0108	.191	.00255	.0015	1.415	.00046
%RSD	.03809	.16027	1.7138	1.2260	1.0289	.38206	.50379	.14381	2.5622	.09163
#1	.20771	.26299	1.0421	53.785	1.0579	50.198	.50773	1.0309	56.225	.50532
#2	.20760	.26240	1.0172	52.860	1.0427	49.928	.50413	1.0288	54.223	.50597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.309**	**.50008**	**1.0032**	**.49319**	**2.0063**	**10.292**	**22.025**	**2.0238**	**1.0541**	**1.0280**
Stddev	.006	.00007	.0122	.00044	.0019	.113	.243	.0036	.0121	.0078
%RSD	.06200	.01418	1.2176	.08889	.09320	1.1016	1.1016	.17738	1.1472	.75464
#1	10.313	.50013	.99453	.49288	2.0076	10.372	22.197	2.0264	1.0627	1.0335
#2	10.304	.50003	1.0118	.49350	2.0050	10.212	21.854	2.0213	1.0455	1.0225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0146**	**1.9760**	**2.1760**	**.51823**	**.49984**	**.53384**
Stddev	.0040	.0013	.0143	.00108	.00079	.00736
%RSD	.39207	.06348	.65773	.20844	.15823	1.3790
#1	1.0174	1.9768	2.1659	.51899	.50040	.53904
#2	1.0118	1.9751	2.1862	.51746	.49928	.52863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8048.0**	**107590.**	**6704.5**
Stddev	33.0	47.	114.8
%RSD	.40976	.04342	1.7127
#1	8071.3	107560.	6623.3
#2	8024.7	107630.	6785.6

Sample Name: 280-48662-e-4-a Acquired: 11/11/2013 18:23:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01604**	**.00021**	**.52806**	**.01289**	**-.00009**	**.00232**	**76.178**	**.00036**	**.00007**
Stddev	.00007	.00007	.00303	.00043	.00043	.00006	.00330	.906	.00016	.00021
%RSD	35.998	.41592	1435.7	.08170	3.3451	64.531	142.25	1.1894	44.422	292.79
#1	-.00024	.01609	.00235	.52775	.01258	-.00013	-.00001	75.537	.00025	-.00008
#2	-.00014	.01600	-.00193	.52836	.01319	-.00005	.00465	76.818	.00048	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00194**	**.01405**	**1.4173**	**.10613**	**15.739**	**.00607**	**.00607**	W **532.12**	**.00105**
Stddev	.00003	.00023	.00480	.0661	.00100	.032	.00004	.00042	6.37	.00032
%RSD	7.6919	12.054	34.146	4.6617	.94155	.20484	.70720	6.9423	1.1973	30.715
#1	.00035	.00210	.01066	1.3706	.10542	15.716	.00604	.00577	527.61	.00082
#2	.00039	.00177	.01744	1.4641	.10684	15.762	.00610	.00637	536.62	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03706**	**-.00149**	F **254.90**	**-.00041**	**.00603**	**3.6920**	**7.9009**	**.00034**	**4.7202**	**-.00119**
Stddev	.00029	.00087	.44	.00065	.00300	.0586	.1255	.00110	.0593	.00191
%RSD	.78847	58.316	.17448	158.01	49.751	1.5882	1.5882	321.19	1.2562	161.13
#1	.03727	-.00088	255.21	-.00087	.00815	3.6505	7.8121	-.00044	4.6783	.00017
#2	.03686	-.00210	254.58	.00005	.00391	3.7335	7.9896	.00112	4.7621	-.00254
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00145**	**.03649**	**.00734**	**.01530**	**.00363**
Stddev	.00024	.00099	.06078	.00018	.00055	.00098
%RSD	163.55	68.104	166.57	2.4182	3.5956	27.039
#1	-.00002	.00215	-.00649	.00721	.01569	.00294
#2	.00032	.00075	.07947	.00747	.01491	.00433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7748.8**	**101530.**	**6784.2**
Stddev	4.6	383.	94.3
%RSD	.05999	.37739	1.3896
#1	7752.1	101800.	6850.9
#2	7745.5	101260.	6717.6

Sample Name: 280-48662-e-4-aSD@5 Acquired: 11/11/2013 18:26:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00712**	**.00090**	**.11005**	**.00240**	**-.00002**	**.00232**	**15.367**	**.00009**	**.00017**
Stddev	.00004	.00007	.00057	.00014	.00043	.00001	.00070	.083	.00008	.00013
%RSD	26.375	1.0506	62.720	.12364	17.803	55.195	30.115	.54087	95.135	76.115
#1	.00017	.00707	.00050	.11015	.00271	-.00002	.00183	15.308	.00015	.00008
#2	.00012	.00718	.00130	.10996	.00210	-.00003	.00281	15.426	.00003	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00072**	**.01502**	**.33142**	**.02241**	**3.2004**	**.00147**	**.00085**	**106.94**	**.00058**
Stddev	.00014	.00022	.00281	.01993	.00031	.0026	.00008	.00018	.53	.00029
%RSD	63.835	30.601	18.743	6.0134	1.3944	.08116	5.2382	21.609	.49585	50.614
#1	.00012	.00088	.01701	.31733	.02219	3.2023	.00153	.00072	106.57	.00037
#2	.00032	.00057	.01303	.34552	.02263	3.1986	.00142	.00098	107.32	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	**.00031**	**50.345**	**.00036**	**.00162**	**.73712**	**1.5774**	**.00194**	**.94311**	**-.00010**
Stddev	.00003	.00166	.092	.00279	.00074	.00185	.0040	.00045	.00584	.00218
%RSD	1.0847	536.53	.18217	782.83	45.530	.25059	.25059	23.009	.61929	2200.3
#1	.00232	.00149	50.410	.00233	.00110	.73581	1.5746	.00226	.93898	-.00164
#2	.00229	-.00087	50.280	-.00161	.00214	.73843	1.5802	.00163	.94724	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00003**	**-.01639**	**.00176**	**.00807**	**.00120**
Stddev	.00042	.00038	.02157	.00011	.00000	.00059
%RSD	124.20	1304.4	131.57	6.1270	.04416	49.292
#1	-.00064	-.00030	-.00114	.00168	.00808	.00078
#2	-.00004	.00024	-.03165	.00183	.00807	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8078.5**	**107540.**	**6796.0**
Stddev	32.7	283.	3.4
%RSD	.40425	.26332	.04976
#1	8101.6	107340.	6798.4
#2	8055.4	107740.	6793.6

Sample Name: 280-48662-e-4-b ms Acquired: 11/11/2013 18:28:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05378**	**1.9508**	**1.0450**	**1.4948**	**2.0359**	**.04969**	F **2.2294**	**123.58**	**.10848**	**.49801**
Stddev	.00014	.0032	.0019	.0048	.0258	.00065	.0017	1.35	.00004	.00088
%RSD	.25421	.16173	.18457	.32129	1.2691	1.2981	.07642	1.0956	.03739	.17587
#1	.05387	1.9486	1.0464	1.4914	2.0177	.04924	2.2282	122.62	.10845	.49739
#2	.05368	1.9530	1.0437	1.4982	2.0542	.05015	2.2306	124.54	.10851	.49863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20539**	**.25928**	**1.0160**	**54.550**	**1.1221**	**64.693**	**.50945**	**1.0405**	W **576.09**	**.50127**
Stddev	.00022	.00088	.0088	.713	.0134	.164	.00173	.0015	6.26	.00055
%RSD	.10538	.34046	.86484	1.3069	1.1909	.25293	.33904	.14556	1.0863	.11051
#1	.20523	.25865	1.0098	54.046	1.1126	64.578	.50823	1.0394	571.66	.50088
#2	.20554	.25990	1.0222	55.054	1.1315	64.809	.51067	1.0415	580.51	.50167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.889**	**.47967**	F **253.54**	**.49330**	**2.0505**	**13.664**	**29.242**	**1.9881**	W **5.5512**	**1.0339**
Stddev	.014	.00064	.51	.00312	.0060	.147	.315	.0002	.1623	.0044
%RSD	.12414	.13255	.20146	.63170	.29482	1.0784	1.0784	.00830	2.9239	.42909
#1	10.879	.47922	253.18	.49109	2.0463	13.560	29.019	1.9880	5.4364	1.0308
#2	10.898	.48012	253.90	.49550	2.0548	13.768	29.465	1.9883	5.6660	1.0370
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0173**	**1.7883**	**2.1435**	**.52844**	**.52488**	**.51459**
Stddev	.0019	.0032	.0021	.00077	.00098	.00529
%RSD	.18593	.17908	.09764	.14639	.18601	1.0287
#1	1.0159	1.7861	2.1420	.52789	.52419	.51085
#2	1.0186	1.7906	2.1450	.52899	.52557	.51833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7568.3**	**100440.**	**6778.7**
Stddev	15.8	595.	36.0
%RSD	.20873	.59201	.53107
#1	7557.2	100860.	6804.1
#2	7579.5	100020.	6753.2

Sample Name: 280-48662-e-4-c msd Acquired: 11/11/2013 18:30:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**1.9283**	**1.0336**	**1.4857**	**2.0124**	**.04926**	F **2.1875**	**122.94**	**.10662**	**.49160**
Stddev	.00061	.0073	.0065	.0046	.0227	.00067	.0088	1.33	.00066	.00108
%RSD	1.1939	.37748	.62389	.30721	1.1296	1.3607	.40421	1.0850	.61808	.21952
#1	.05187	1.9335	1.0382	1.4889	1.9963	.04878	2.1937	121.99	.10709	.49236
#2	.05100	1.9232	1.0290	1.4825	2.0285	.04973	2.1812	123.88	.10616	.49084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20274**	**.25564**	**.99002**	**53.996**	**1.1051**	**63.937**	**.50023**	**1.0297**	W **575.05**	**.49451**
Stddev	.00073	.00136	.00981	.652	.0135	.073	.00086	.0026	6.34	.00135
%RSD	.36100	.53214	.99067	1.2072	1.2190	.11433	.17168	.24793	1.1022	.27235
#1	.20325	.25468	.98309	53.535	1.0955	63.989	.50084	1.0315	570.57	.49546
#2	.20222	.25661	.99696	54.457	1.1146	63.886	.49963	1.0279	579.53	.49356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.723**	**.47280**	F **252.71**	**.48755**	**2.0145**	**13.574**	**29.049**	**1.9705**	W **5.5232**	**1.0138**
Stddev	.040	.00046	1.12	.00056	.0045	.307	.656	.0058	.0200	.0030
%RSD	.37074	.09762	.44316	.11412	.22417	2.2594	2.2594	.29447	.36221	.29194
#1	10.751	.47312	253.50	.48794	2.0177	13.358	28.585	1.9746	5.5091	1.0159
#2	10.695	.47247	251.92	.48716	2.0113	13.791	29.513	1.9664	5.5374	1.0117
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	**1.7683**	**2.1332**	**.51952**	**.51653**	**.50739**
Stddev	.0003	.0100	.0540	.00021	.00144	.01097
%RSD	.03324	.56255	2.5321	.03974	.27942	2.1618
#1	1.0027	1.7753	2.1714	.51967	.51755	.49964
#2	1.0031	1.7612	2.0950	.51937	.51551	.51515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7534.1**	**100230.**	**6768.5**
Stddev	10.4	381.	89.1
%RSD	.13755	.38049	1.3162
#1	7526.8	99956.	6831.5
#2	7541.4	100500.	6705.5

Sample Name: 280-48662-e-4-aPDS Acquired: 11/11/2013 18:33:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**.98450**	**.20736**	**.60709**	**.11286**	**.04891**	**-.00084**	**93.367**	**.05134**	**.04933**
Stddev	.00001	.00163	.00249	.00067	.00128	.00104	.00084	.839	.00000	.00013
%RSD	.01191	.16506	1.2018	.10966	1.1298	2.1339	99.904	.89882	.00959	.26972
#1	.05064	.98565	.20912	.60662	.11196	.04818	-.00144	92.774	.05134	.04943
#2	.05063	.98335	.20560	.60756	.11376	.04965	-.00025	93.961	.05133	.04924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05069**	**.05265**	**.99301**	**22.486**	**.20450**	**34.540**	**.05555**	**.05591**	W **538.97**	**.05022**
Stddev	.00007	.00006	.00875	.181	.00394	.067	.00023	.00022	4.83	.00032
%RSD	.13217	.10603	.88128	.80415	1.9247	.19477	.41561	.39144	.89646	.63592
#1	.05064	.05269	.98682	22.358	.20172	34.587	.05571	.05576	535.55	.05044
#2	.05073	.05261	.99919	22.614	.20729	34.492	.05539	.05607	542.38	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1971**	**.09281**	F **246.76**	**.09570**	**.20061**	**8.4141**	**18.006**	**.09706**	**4.6444**	**.19906**
Stddev	.0017	.00081	.28	.00191	.00035	.1775	.380	.00021	.0370	.00019
%RSD	.07638	.87628	.11339	1.9943	.17273	2.1100	2.1100	.21610	.79738	.09634
#1	2.1983	.09223	246.96	.09435	.20037	8.2886	17.738	.09691	4.6182	.19893
#2	2.1960	.09338	246.57	.09704	.20086	8.5396	18.275	.09720	4.6706	.19920
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04923**	**.17887**	**.57043**	**.05915**	**.22070**	**.05398**
Stddev	.00038	.00081	.03147	.00066	.00031	.00065
%RSD	.77719	.45170	5.5168	1.1220	.14065	1.2030
#1	.04896	.17945	.54818	.05868	.22092	.05444
#2	.04950	.17830	.59268	.05961	.22048	.05352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7656.9**	**100660.**	**6680.9**
Stddev	11.7	114.	76.5
%RSD	.15332	.11316	1.1456
#1	7648.6	100580.	6735.0
#2	7665.2	100740.	6626.8

Sample Name: 280-48651-b-6-c Acquired: 11/11/2013 18:35:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**6.8592**	**.00652**	**.03303**	**.14228**	**.00062**	**-.00221**	**38.738**	**.00745**	**.01310**
Stddev	.00023	.0475	.00054	.00037	.00074	.00014	.00252	.292	.00023	.00013
%RSD	126.13	.69222	8.2420	1.1315	.51765	21.936	114.34	.75411	3.0411	1.0085
#1	.00034	6.8256	.00690	.03329	.14176	.00053	-.00399	38.532	.00761	.01319
#2	.00002	6.8927	.00614	.03276	.14280	.00072	-.00042	38.945	.00729	.01301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00576**	**.03765**	**3.5710**	**5.5601**	**.03280**	**5.9981**	**.35169**	**.00095**	**5.7368**	**.03755**
Stddev	.00004	.00012	.0377	.0503	.00026	.0222	.00116	.00004	.0588	.00006
%RSD	.72350	.32195	1.0566	.90529	.80612	.36967	.32948	4.0144	1.0256	.16948
#1	.00579	.03757	3.5443	5.5245	.03299	5.9824	.35087	.00098	5.7784	.03759
#2	.00573	.03774	3.5977	5.5957	.03261	6.0138	.35251	.00092	5.6952	.03750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6381**	**.01670**	**52.500**	**.00004**	**.00108**	**8.7298**	**18.682**	**.00110**	**.15383**	**-.00024**
Stddev	.0048	.00085	.001	.00002	.00204	.1349	.289	.00046	.00079	.00068
%RSD	.29274	5.0709	.00147	39.010	188.36	1.5451	1.5451	42.429	.51326	287.67
#1	1.6415	.01610	52.500	.00005	.00252	8.6344	18.478	.00077	.15327	.00024
#2	1.6347	.01730	52.501	.00003	-.00036	8.8251	18.886	.00142	.15439	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07315**	**.00137**	**.00043**	**.01023**	**4.8328**	**.00367**
Stddev	.00001	.00023	.01025	.00036	.0183	.00039
%RSD	.01739	16.977	2365.4	3.4790	.37936	10.730
#1	.07314	.00153	.00768	.00998	4.8198	.00395
#2	.07316	.00121	-.00681	.01048	4.8457	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8288.6**	**111360.**	**6944.3**
Stddev	5.7	686.	47.4
%RSD	.06821	.61615	.68284
#1	8292.6	111850.	6977.8
#2	8284.6	110880.	6910.8

Sample Name: 280-48651-b-7-c Acquired: 11/11/2013 18:37:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00025**	**.00238**	**.00381**	**.00012**	**-.00006**	**-.00290**	**.04336**	**.00021**	**.00015**
Stddev	.00038	.00021	.00056	.00028	.00012	.00001	.00209	.01192	.00009	.00006
%RSD	82.675	86.283	23.595	7.2359	100.95	25.742	72.102	27.487	42.129	43.393
#1	.00019	.00010	.00278	.00400	.00021	-.00005	-.00142	.03494	.00015	.00019
#2	.00072	.00040	.00198	.00361	.00003	-.00007	-.00439	.05179	.00028	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00042**	**.00404**	**.15641**	**-.00036**	**.00618**	**.00024**	**-.00009**	**.40596**	**.00073**
Stddev	.00002	.00009	.00099	.02222	.00177	.00008	.00009	.00014	.01860	.00035
%RSD	20.240	20.846	24.588	14.205	492.13	1.2360	36.830	159.44	4.5822	47.117
#1	.00012	.00048	.00333	.17212	-.00161	.00613	.00030	-.00018	.39281	.00049
#2	.00009	.00036	.00474	.14070	.00089	.00624	.00018	.00001	.41912	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**.00012**	**.83689**	**-.00010**	**-.00100**	**.02621**	**.05609**	**.00073**	**.00064**	**-.00107**
Stddev	.00229	.00079	.01546	.00075	.00027	.03577	.07654	.00027	.00024	.00290
%RSD	110.25	650.49	1.8478	715.39	26.512	136.46	136.46	36.665	37.261	269.77
#1	-.00370	.00068	.82596	-.00063	-.00082	.05150	.11021	.00092	.00047	-.00312
#2	-.00046	-.00044	.84783	.00042	-.00119	.00092	.00197	.00054	.00081	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.00024**	**.01718**	**.00060**	**.00331**	**.00197**
Stddev	.00032	.00086	.06382	.00020	.00003	.00046
%RSD	61.058	357.15	371.49	33.461	.86855	23.330
#1	-.00029	.00037	.06231	.00075	.00329	.00229
#2	-.00074	-.00085	-.02795	.00046	.00333	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8310.2**	**113070.**	**6731.4**
Stddev	14.6	103.	48.1
%RSD	.17578	.09088	.71474
#1	8320.6	113140.	6765.5
#2	8299.9	112990.	6697.4

Sample Name: CCVH-2372891 Acquired: 11/11/2013 18:39:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00719**	**51.418**	**.00117**	**.00350**	**.00017**	**-.00010**	**1.0499**	**.02785**	**-.00024**	**-.00032**	**.00017**	**.01212**	**50.872**
Stddev	.00003	.071	.00259	.00001	.00040	.00004	.0030	.00609	.00003	.00015	.00015	.00037	.042
%RSD	.36630	.13839	221.86	.14799	239.69	41.910	.28507	21.868	12.986	44.918	88.982	3.0269	.08316
#1	.00720	51.469	.00300	.00351	-.00012	-.00013	1.0477	.03216	-.00022	-.00043	.00028	.01238	50.842
#2	.00717	51.368	-.00066	.00350	.00045	-.00007	1.0520	.02354	-.00026	-.00022	.00006	.01186	50.902
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20602**	**-.00367**	**.08814**	**.00079**	**-.00013**	**259.68**	**-.00011**	**-.00168**	**.00015**	F **5.9301**	**.00049**	**-.00384**	**.00366**
Stddev	.01880	.00057	.00104	.00002	.00007	.54	.00020	.00050	.00031	.0121	.00161	.00105	.00837
%RSD	9.1237	15.477	1.1790	3.0020	55.483	.20830	180.56	29.991	207.54	.20458	329.71	27.294	228.98
#1	.21931	-.00407	.08887	.00078	-.00018	259.29	-.00025	-.00132	-.00007	5.9215	-.00065	-.00459	-.00226
#2	.19273	-.00326	.08741	.00081	-.00008	260.06	.00003	-.00204	.00036	5.9386	.00163	-.00310	.00957
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00782**	**.00000**	**.00069**	**4.9389**	**-.01264**	**.00213**	F **6.2094**	**.00126**	**.00107**	**.06540**
Stddev	.01791	.00068	.00007	.0041	.00035	.00081	.0141	.00103	.00016	.00312
%RSD	228.98	18327.	9.7145	.08323	2.7742	38.252	.22664	82.300	14.737	4.7740
#1	-.00484	.00048	.00074	4.9418	-.01239	.00270	6.1994	.00053	.00118	.06320
#2	.02049	-.00048	.00065	4.9360	-.01288	.00155	6.2193	.00199	.00096	.06761
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8051.4**	**107260.**	**6674.6**
Stddev	16.3	158.	20.4
%RSD	.20191	.14765	.30543
#1	8039.9	107370.	6660.2
#2	8062.9	107150.	6689.0

Sample Name: CCV-2372889 Acquired: 11/11/2013 18:42:16 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49444**	**.52252**	**.99645**	**.50140**	**.49466**	**.49207**	**-.00365**	**5.0361**	**.49975**	**.50353**	**.50610**	**.49710**	**2.4783**
Stddev	.00065	.00169	.00126	.00312	.00038	.00005	.00141	.0009	.00117	.00093	.00148	.00182	.0138
%RSD	.13118	.32312	.12653	.62225	.07669	.00938	38.601	.01857	.23385	.18384	.29223	.36667	.55729
#1	.49398	.52372	.99734	.50360	.49440	.49204	-.00465	5.0367	.50058	.50419	.50715	.49582	2.4881
#2	.49490	.52133	.99556	.49919	.49493	.49211	-.00266	5.0354	.49892	.50288	.50505	.49839	2.4686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.112**	**.98410**	**19.580**	**.49171**	**.50997**	**5.3657**	**.50863**	**.99860**	**1.0169**	**.78270**	**.99457**	**.99947**	**4.9320**
Stddev	.000	.00069	.024	.00030	.00029	.0121	.00129	.00178	.0025	.00278	.01251	.00464	.0178
%RSD	.00067	.06971	.12508	.06087	.05666	.22526	.25275	.17808	.24918	.35467	1.2578	.46418	.36031
#1	50.112	.98459	19.563	.49150	.50976	5.3743	.50954	.99986	1.0187	.78074	1.0034	1.0028	4.9194
#2	50.111	.98362	19.597	.49192	.51017	5.3572	.50772	.99735	1.0151	.78466	.98572	.99619	4.9445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.554**	**1.0160**	**.49367**	**-.00422**	**.48813**	**1.0185**	**-.01024**	**.49306**	**.49702**	**.49769**
Stddev	.038	.0106	.00059	.00128	.00042	.0089	.00451	.00111	.00067	.00231
%RSD	.36031	1.0458	.12012	30.423	.08510	.87290	43.980	.22456	.13416	.46436
#1	10.527	1.0235	.49408	-.00331	.48842	1.0248	-.00706	.49227	.49749	.49605
#2	10.581	1.0085	.49325	-.00513	.48784	1.0122	-.01343	.49384	.49655	.49932
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.9**	**110860.**	**6796.2**
Stddev	1.3	52.	33.3
%RSD	.01612	.04702	.48928
#1	8204.0	110890.	6772.7
#2	8205.9	110820.	6819.8

Sample Name: CCB Acquired: 11/11/2013 18:44:24 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00278**	**.00184**	**.00264**	**.00000**	**.00006**	**.00056**	**.01121**	**-.00036**	**.00015**	**-.00007**
Stddev	.00010	.00026	.00122	.00079	.00035	.00002	.00009	.00535	.00015	.00019	.00002
%RSD	21.570	9.4667	66.520	29.828	40172.	36.836	15.958	47.727	40.053	131.09	33.065
#1	.00052	-.00259	.00271	.00319	.00025	.00008	.00062	.00743	-.00047	.00028	-.00005
#2	.00038	-.00296	.00097	.00208	-.00024	.00004	.00049	.01499	-.00026	.00001	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00238**	**.04468**	W **-.00335**	**.00397**	**.00007**	**.00012**	F **.22636**	**.00050**	**-.00257**	**.00036**
Stddev	.00003	.00262	.05701	.00138	.00095	.00007	.00001	.00121	.00005	.00169	.00083
%RSD	60.382	110.16	127.60	41.374	23.882	94.781	10.148	.53352	10.155	65.614	232.26
#1	-.00003	.00423	.00437	-.00237	.00464	.00002	.00011	.22550	.00046	-.00138	.00094
#2	-.00007	.00053	.08500	-.00433	.00330	.00012	.00013	.22721	.00054	-.00376	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.77571**	F **.00852**	**.00171**	**.00121**	**.00259**	**.00120**	W **.00047**	**.00211**	W **-.00062**	**.00098**	**-.00762**
Stddev	.00008	.00027	.00450	.01136	.02432	.00003	.00003	.00074	.00022	.00122	.01490
%RSD	.01089	3.1149	262.55	938.84	938.84	2.6421	6.9744	34.892	35.196	124.84	195.63
#1	.77577	.00834	-.00147	-.00683	-.01461	.00118	.00045	.00263	-.00077	.00011	-.01816
#2	.77565	.00871	.00489	.00925	.01979	.00122	.00049	.00159	-.00046	.00184	.00292
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.20000	.00628					.00030		.00060		
Low Limit	-.20000	-.00628					-.00030		-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00014**	**.00266**	**.00066**
Stddev	.00014	.00022	.00085
%RSD	100.29	8.1324	127.76
#1	.00024	.00251	.00127
#2	.00004	.00282	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.9**	**111540.**	**6709.6**
Stddev	4.9	177.	13.2
%RSD	.06028	.15829	.19622
#1	8199.3	111410.	6700.3
#2	8192.4	111660.	6718.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 18:46:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.10907**	**.01816**	**.10276**	**.01130**	**.00115**	**.12894**	F **.31396**	**.00520**	**.01127**	**.01059**	**.01626**	**.12221**
Stddev	.00045	.00013	.00136	.00087	.00141	.00024	.00169	.13989	.00016	.00024	.00012	.00026	.02310
%RSD	4.2291	.11669	7.4695	.84619	12.478	20.648	1.3074	44.556	3.1373	2.1531	1.1761	1.5998	18.902
#1	.01043	.10898	.01720	.10337	.01229	.00132	.12775	.41287	.00531	.01110	.01068	.01645	.13854
#2	.01107	.10916	.01912	.10214	.01030	.00098	.13014	.21504	.00508	.01145	.01050	.01608	.10587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000					
Range								30.000%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2352**	**.00917**	**.21431**	**.01054**	**.02073**	F **1.9668**	**.04370**	**3.0039**	**.00985**	**.71850**	**.00929**	**.01388**	**.52519**
Stddev	.0383	.00073	.00021	.00002	.00003	.9751	.00028	.0028	.00032	.00464	.00094	.00143	.02108
%RSD	1.1841	7.9222	.09646	.19045	.15322	49.579	.65020	.09437	3.2517	.64557	10.150	10.319	4.0138
#1	3.2623	.00968	.21417	.01052	.02075	2.6563	.04350	3.0059	.01008	.71522	.00996	.01490	.54010
#2	3.2082	.00865	.21446	.01055	.02071	1.2773	.04390	3.0019	.00963	.72178	.00863	.01287	.51029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1239**	**.10670**	F **.01492**	**.01494**	**.00961**	**.01660**	**.06256**	**.01028**	**.02353**	**.01917**
Stddev	.0451	.00088	.00575	.00128	.00017	.00059	.02326	.00003	.00038	.00059
%RSD	4.0138	.82189	38.551	8.5742	1.7440	3.5423	37.180	.26433	1.6205	3.0520
#1	1.1558	.10608	.01899	.01403	.00949	.01702	.07901	.01026	.02380	.01959
#2	1.0920	.10732	.01086	.01584	.00973	.01618	.04611	.01030	.02326	.01876
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000							
Range			30.000%							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8395.5**	**113770.**	**6780.3**
Stddev	11.7	100.	45.7
%RSD	.13993	.08823	.67364
#1	8387.2	113700.	6748.0
#2	8403.9	113840.	6812.6

Sample Name: mb 280-199600/1-a Acquired: 11/11/2013 18:48:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00400**	**.00062**	**.00929**	**.00016**	**.00000**	**.00114**	**.04899**	**.00011**	**.00020**
Stddev	.00016	.00015	.00034	.00005	.00040	.0001	.00152	.00049	.00015	.00004
%RSD	179.64	3.8713	55.338	.55413	254.43	1706.4	133.51	.99639	130.61	18.231
#1	-.00002	.00389	.00087	.00932	-.00013	-.00006	.00006	.04864	.00001	.00023
#2	.00020	.00411	.00038	.00925	.00044	.00005	.00221	.04933	.00022	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00048**	**.01423**	**.12196**	**.00022**	**.00868**	**.00032**	**-.00001**	**.25699**	**.00061**
Stddev	.00002	.00029	.00288	.03465	.00200	.00223	.00001	.00013	.00587	.00008
%RSD	6.5387	60.104	20.248	28.408	924.04	25.679	3.1766	2269.8	2.2849	13.134
#1	.00033	.00068	.01627	.14646	.00163	.00710	.00033	-.00010	.25283	.00066
#2	.00036	.00028	.01220	.09746	-.00120	.01025	.00031	.00009	.26114	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.00014**	F **.72490**	**-.00102**	**-.00094**	**.05441**	**.11644**	**.00359**	**.00020**	**.00024**
Stddev	.00048	.00022	.00171	.00160	.00065	.01138	.02434	.00016	.00004	.00057
%RSD	54.218	156.18	.23531	156.72	69.185	20.906	20.906	4.5641	21.682	236.73
#1	-.00124	-.00001	.72370	-.00215	-.00140	.06246	.13366	.00370	.00023	-.00016
#2	-.00055	.00029	.72611	.00011	-.00048	.04637	.09923	.00347	.00017	.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00025**	**.00155**	**-.00010**	**.00393**	**.00323**
Stddev	.00020	.00120	.00117	.00012	.00013	.00042
%RSD	252.90	481.22	75.513	119.79	3.2494	13.092
#1	-.00022	-.00060	.00237	-.00002	.00384	.00293
#2	.00006	.00110	.00072	-.00018	.00402	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8471.9**	**115410.**	**6888.6**
Stddev	.9	238.	45.9
%RSD	.01035	.20617	.66668
#1	8471.3	115250.	6856.1
#2	8472.6	115580.	6921.0

Sample Name: lcs 280-199600/2-a Acquired: 11/11/2013 18:51:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04753**	**1.9318**	**.94722**	F **1.1247**	**1.9134**	**.04692**	**2.1315**	**46.589**	**.10024**	**.47176**
Stddev	.00066	.0001	.00383	.0000	.0169	.00059	.0012	.436	.00054	.00044
%RSD	1.3956	.00584	.40382	.00032	.88057	1.2498	.05758	.93530	.53505	.09227
#1	.04800	1.9319	.94451	1.1247	1.9015	.04651	2.1306	46.281	.09986	.47207
#2	.04706	1.9317	.94992	1.1247	1.9253	.04734	2.1323	46.898	.10062	.47145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19440**	**.24510**	**.94251**	**48.529**	**.95326**	**46.591**	**.46904**	**.97149**	**50.443**	**.47591**
Stddev	.00031	.00174	.00058	.443	.00593	.111	.00023	.00131	.261	.00040
%RSD	.16011	.71024	.06108	.91375	.62251	.23927	.04917	.13480	.51734	.08377
#1	.19462	.24387	.94211	48.216	.94906	46.670	.46921	.97242	50.627	.47619
#2	.19418	.24633	.94292	48.843	.95745	46.513	.46888	.97057	50.258	.47563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6904**	**.46957**	**.73790**	**.46283**	**1.8640**	**1.6675**	**3.5685**	**1.9141**	**.95121**	**.94756**
Stddev	.0017	.00182	.00358	.00146	.0168	.0017	.0037	.0162	.00816	.00573
%RSD	.01796	.38755	.48527	.31471	.89977	.10316	.10316	.84604	.85758	.60451
#1	9.6892	.47085	.74043	.46386	1.8759	1.6688	3.5711	1.9255	.94544	.95161
#2	9.6917	.46828	.73536	.46180	1.8521	1.6663	3.5659	1.9026	.95698	.94351
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94978**	**1.8454**	**2.0577**	**.47883**	**.46955**	**.49425**
Stddev	.00037	.0163	.0268	.00051	.00267	.00170
%RSD	.03895	.88095	1.3005	.10606	.56769	.34407
#1	.94952	1.8569	2.0388	.47919	.47143	.49304
#2	.95005	1.8339	2.0766	.47847	.46766	.49545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.9**	**108320.**	**6799.5**
Stddev	16.9	376.	75.3
%RSD	.20978	.34754	1.1079
#1	8065.9	108060.	6852.8
#2	8089.8	108590.	6746.3

Sample Name: 280-48651-a-1-a Acquired: 11/11/2013 18:53:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**65.198**	**.00569**	**.01867**	**.16849**	**.00193**	**-.01153**	**4.7320**	**.00226**	**.02481**
Stddev	.00019	.127	.00044	.00002	.00028	.00006	.00311	.0054	.00012	.00001
%RSD	117.03	.19521	7.7655	.08514	.16913	2.9927	26.980	.11431	5.2883	.04740
#1	.00030	65.108	.00538	.01866	.16829	.00197	-.01373	4.7282	.00234	.02480
#2	.00003	65.288	.00600	.01868	.16870	.00189	-.00933	4.7358	.00217	.02482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06247**	**.04302**	**70.631**	**7.4997**	**.12279**	**19.950**	**.55851**	**.00062**	**.32736**	**.08299**
Stddev	.00036	.00062	.191	.0499	.00040	.043	.00068	.00025	.00266	.00032
%RSD	.57071	1.4316	.26992	.66524	.32514	.21370	.12250	39.974	.81244	.37973
#1	.06272	.04258	70.496	7.5350	.12307	19.980	.55900	.00045	.32924	.08322
#2	.06222	.04345	70.766	7.4645	.12250	19.920	.55803	.00080	.32548	.08277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1103**	**.05724**	**1.4012**	**-.00164**	**.00199**	**3.1614**	**6.7654**	**.00598**	**.02294**	**.01321**
Stddev	.0009	.00067	.0050	.00020	.00189	.0093	.0199	.00001	.00023	.00330
%RSD	.04323	1.1748	.35452	11.980	95.014	.29429	.29429	.17258	.99623	25.010
#1	2.1109	.05677	1.3977	-.00178	.00065	3.1680	6.7795	.00598	.02277	.01554
#2	2.1096	.05772	1.4047	-.00150	.00333	3.1548	6.7513	.00599	.02310	.01087
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30757**	**.00030**	W **-.07807**	**.07675**	**.92365**	**.01143**
Stddev	.00169	.00086	.02241	.00022	.00467	.00057
%RSD	.54832	289.54	28.703	.28663	.50541	5.0002
#1	.30638	-.00031	-.09392	.07690	.92695	.01184
#2	.30876	.00090	-.06223	.07659	.92035	.01103
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8686.2**	**114170.**	**7206.4**
Stddev	5.6	356.	28.3
%RSD	.06443	.31193	.39211
#1	8690.2	113920.	7186.4
#2	8682.3	114420.	7226.4

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/11/2013 18:55:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**13.497**	**.00249**	**.00581**	**.03449**	**.00042**	**-.00101**	**.99287**	**.00046**	**.00545**
Stddev	.00022	.029	.00142	.00038	.00027	.00000	.00057	.01034	.00006	.00002
%RSD	148.42	.21508	57.036	6.5744	.76975	.14217	56.750	1.0416	12.500	.45889
#1	-.00031	13.477	.00148	.00609	.03430	.00042	-.00141	.98556	.00042	.00547
#2	.00001	13.518	.00349	.00554	.03468	.00042	-.00060	1.0002	.00050	.00543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01291**	**.00879**	**13.828**	**1.5806**	**.02385**	**4.0676**	**.11397**	**.00017**	**.13506**	**.01746**
Stddev	.00017	.00037	.049	.0215	.00090	.0141	.00038	.00005	.00544	.00015
%RSD	1.3098	4.2153	.35715	1.3610	3.7588	.34552	.33572	31.849	4.0305	.84988
#1	.01279	.00853	13.793	1.5654	.02321	4.0776	.11424	.00020	.13121	.01735
#2	.01303	.00905	13.863	1.5958	.02448	4.0577	.11370	.00013	.13891	.01756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42517**	**.01256**	**.82233**	**-.00035**	**.00316**	**.67065**	**1.4352**	**.00364**	**.00504**	**.00319**
Stddev	.00037	.00064	.00744	.00220	.00263	.01217	.0261	.00021	.00002	.00003
%RSD	.08659	5.1136	.90523	633.08	83.103	1.8150	1.8150	5.6844	.47972	1.0041
#1	.42491	.01302	.81707	.00121	.00130	.66204	1.4168	.00350	.00503	.00317
#2	.42543	.01211	.82759	-.00190	.00502	.67926	1.4536	.00379	.00506	.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06145**	**.00017**	**-.01257**	**.01511**	**.19049**	**.00443**
Stddev	.00299	.00055	.01626	.00089	.00032	.00002
%RSD	4.8651	317.73	129.41	5.8825	.16875	.46934
#1	.05933	.00056	-.02407	.01448	.19072	.00442
#2	.06356	-.00021	-.00107	.01574	.19027	.00444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8531.0**	**114130.**	**6874.3**
Stddev	10.7	443.	7.3
%RSD	.12495	.38858	.10626
#1	8538.6	113820.	6879.4
#2	8523.5	114440.	6869.1

Sample Name: 280-48651-a-1-b ms Acquired: 11/11/2013 18:57:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04722**	**105.91**	**.91477**	**.93357**	**2.1100**	**.04747**	F **2.0402**	**49.250**	**.09968**	**.47558**
Stddev	.00036	.62	.00273	.00021	.0116	.00030	.0010	.321	.00002	.00133
%RSD	.75918	.58154	.29817	.02236	.54811	.64138	.04861	.65084	.02368	.27952
#1	.04696	105.48	.91284	.93342	2.1018	.04725	2.0395	49.023	.09970	.47652
#2	.04747	106.35	.91670	.93372	2.1182	.04768	2.0409	49.477	.09966	.47464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28282**	**.28816**	**76.998**	**66.735**	**1.0736**	**70.103**	**1.0335**	**.91438**	**49.067**	**.53828**
Stddev	.00014	.00115	.503	.195	.0063	.202	.0021	.00073	.289	.00027
%RSD	.04907	.39758	.65265	.29229	.58659	.28875	.19895	.08037	.58897	.05058
#1	.28292	.28735	76.643	66.597	1.0692	69.960	1.0320	.91490	48.863	.53847
#2	.28272	.28897	77.353	66.873	1.0781	70.246	1.0349	.91386	49.271	.53808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.199**	**.48720**	**1.5001**	**.25335**	**1.7764**	**6.5233**	**13.960**	**1.7432**	**.96108**	**.89185**
Stddev	.004	.00080	.0006	.00035	.0063	.0327	.070	.0002	.00569	.00171
%RSD	.03946	.16318	.03711	.13956	.35584	.50175	.50175	.00923	.59177	.19175
#1	11.196	.48776	1.4997	.25360	1.7720	6.5002	13.910	1.7433	.95706	.89064
#2	11.202	.48664	1.5005	.25310	1.7809	6.5465	14.009	1.7431	.96510	.89306
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3987**	**1.7122**	**1.9332**	**.61820**	**1.3198**	**.39778**
Stddev	.0043	.0033	.0114	.00167	.0048	.00179
%RSD	.30523	.19099	.58813	.27026	.36657	.45084
#1	1.4017	1.7145	1.9251	.61702	1.3164	.39651
#2	1.3957	1.7099	1.9412	.61939	1.3233	.39905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8379.3**	**110570.**	**7168.0**
Stddev	8.2	144.	5.4
%RSD	.09812	.13024	.07550
#1	8385.1	110470.	7171.8
#2	8373.5	110680.	7164.2

Sample Name: 280-48651-a-1-c msd Acquired: 11/11/2013 18:59:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04726**	**97.457**	**.91588**	**.93972**	**2.1019**	**.04794**	F **2.0479**	**49.346**	**.09976**	**.47291**
Stddev	.00018	.711	.00146	.00010	.0159	.00014	.0011	.356	.00020	.00081
%RSD	.38476	.72992	.15950	.01052	.75439	.28279	.05373	.72082	.19772	.17163
#1	.04739	96.954	.91484	.93979	2.0907	.04785	2.0472	49.094	.09989	.47349
#2	.04713	97.960	.91691	.93965	2.1131	.04804	2.0487	49.597	.09962	.47234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27380**	**.28061**	**65.818**	**65.565**	**1.0750**	**67.329**	**.96882**	**.92001**	**49.490**	**.52685**
Stddev	.00030	.00106	.495	.557	.0106	.043	.00029	.00084	.765	.00018
%RSD	.10852	.37836	.75233	.84939	.98273	.06439	.03005	.09132	1.5457	.03402
#1	.27401	.28137	65.468	65.171	1.0675	67.298	.96902	.92060	48.949	.52698
#2	.27359	.27986	66.168	65.959	1.0825	67.359	.96861	.91941	50.031	.52672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.896**	**.47147**	**1.4198**	**.26189**	**1.7941**	**6.0287**	**12.901**	**1.7529**	**.96488**	**.88452**
Stddev	.009	.00135	.0054	.00145	.0016	.0503	.108	.0012	.00572	.00024
%RSD	.08585	.28690	.37769	.55538	.09065	.83519	.83519	.06775	.59271	.02665
#1	10.902	.47243	1.4236	.26292	1.7952	5.9931	12.825	1.7537	.96084	.88469
#2	10.889	.47051	1.4160	.26087	1.7929	6.0643	12.978	1.7520	.96893	.88436
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3984**	**1.7266**	**1.9255**	**.60281**	**1.1896**	**.41364**
Stddev	.0058	.0068	.0179	.00240	.0046	.00317
%RSD	.41470	.39446	.93070	.39782	.38287	.76594
#1	1.4025	1.7314	1.9382	.60111	1.1863	.41140
#2	1.3943	1.7218	1.9129	.60450	1.1928	.41588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8423.9**	**110310.**	**7107.6**
Stddev	16.6	501.	106.6
%RSD	.19746	.45415	1.4998
#1	8435.7	110660.	7183.0
#2	8412.2	109950.	7032.2

Sample Name: 280-48651-a-1-aPDS Acquired: 11/11/2013 19:02:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**64.871**	**.19287**	**.10977**	**.26005**	**.04823**	**-.01191**	**23.375**	**.05034**	**.07107**
Stddev	.00060	.013	.00245	.00045	.00182	.00003	.00250	.008	.00034	.00006
%RSD	1.2342	.02008	1.2706	.40626	.69843	.06969	20.949	.03621	.66904	.08082
#1	.04891	64.880	.19460	.10946	.25876	.04826	-.01015	23.369	.05010	.07103
#2	.04806	64.861	.19114	.11009	.26133	.04821	-.01368	23.381	.05057	.07111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10905**	**.09205**	**68.761**	**26.748**	**.21628**	**37.904**	**.58625**	**.04785**	**20.307**	**.12722**
Stddev	.00002	.00007	.129	.072	.00058	.135	.00191	.00009	.450	.00003
%RSD	.02064	.07684	.18699	.26999	.26644	.35606	.32501	.19607	2.2144	.02402
#1	.10906	.09210	68.670	26.799	.21587	38.000	.58760	.04779	19.989	.12725
#2	.10903	.09200	68.852	26.697	.21668	37.809	.58490	.04792	20.625	.12720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9652**	**.14602**	**1.3089**	**.09286**	**.18565**	**7.8754**	**16.853**	**.09874**	**.07099**	**.20302**
Stddev	.0026	.00035	.0029	.00059	.00153	.0077	.016	.00003	.00091	.00169
%RSD	.06567	.24023	.21854	.63212	.82223	.09729	.09729	.03049	1.2846	.83175
#1	3.9633	.14577	1.3110	.09244	.18457	7.8700	16.842	.09872	.07163	.20182
#2	3.9670	.14627	1.3069	.09327	.18673	7.8808	16.865	.09876	.07034	.20421
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35437**	**.18392**	**.47172**	**.12281**	**1.0804**	**.06075**
Stddev	.01051	.00108	.00443	.00051	.0028	.00028
%RSD	2.9668	.58684	.93820	.41181	.26310	.46274
#1	.36181	.18469	.47485	.12245	1.0824	.06055
#2	.34694	.18316	.46859	.12316	1.0784	.06095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8552.1**	**113410.**	**7079.1**
Stddev	38.3	79.	8.2
%RSD	.44816	.06961	.11618
#1	8525.0	113350.	7073.3
#2	8579.2	113460.	7084.9

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:04:17 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00753**	**51.287**	**.00199**	**.00358**	**.00075**	**-.00003**	**1.0496**	**.04311**	**-.00018**	**-.00027**	**.00009**	**.01210**	**50.960**
Stddev	.00016	.029	.00112	.00041	.00022	.00004	.0004	.00032	.00016	.00007	.00000	.00036	.296
%RSD	2.0661	.05691	56.155	11.333	29.967	154.66	.04129	.73301	87.058	27.092	1.3285	3.0049	.58138
#1	.00742	51.308	.00120	.00386	.00091	-.00006	1.0493	.04289	-.00029	-.00033	.00009	.01236	50.750
#2	.00764	51.267	.00278	.00329	.00059	.00000	1.0499	.04333	-.00007	-.00022	.00009	.01184	51.169
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14126**	**-.00163**	**.10605**	**.00101**	**-.00019**	**258.75**	**-.00001**	**.00101**	**-.00079**	F **5.7230**	**.00048**	**-.00150**	**.01649**
Stddev	.01097	.00261	.00032	.00006	.00025	.36	.00023	.00184	.00048	.0163	.00208	.00011	.00935
%RSD	7.7628	159.39	.29974	6.3492	135.55	.13801	3848.6	181.93	60.887	.28491	433.32	7.1122	56.694
#1	.13351	.00021	.10582	.00096	-.00001	259.00	.00016	.00231	-.00045	5.7115	-.00099	-.00143	.00988
#2	.14901	-.00348	.10627	.00105	-.00036	258.49	-.00017	-.00029	-.00113	5.7345	.00195	-.00158	.02310
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03528**	**.00032**	**.00047**	**4.9282**	**-.01203**	**.00087**	F **6.2371**	**.00171**	**.00165**	**.06190**
Stddev	.02000	.00015	.00018	.0010	.00007	.00037	.0041	.00016	.00045	.00143
%RSD	56.694	47.894	37.398	.02084	.54085	41.966	.06618	9.4784	27.276	2.3039
#1	.02114	.00021	.00035	4.9275	-.01208	.00061	6.2401	.00183	.00197	.06089
#2	.04943	.00042	.00059	4.9289	-.01199	.00113	6.2342	.00160	.00133	.06290
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8080.9**	**107140.**	**6709.8**
Stddev	4.0	152.	15.0
%RSD	.04986	.14201	.22286
#1	8078.0	107040.	6720.4
#2	8083.7	107250.	6699.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:06:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49726**	**.52287**	**.99786**	**.50178**	**.49513**	**.49324**	**-.00436**	**5.0462**	**.50014**	**.50440**	**.50543**	**.50128**	**2.5097**
Stddev	.00013	.00035	.00324	.00455	.00217	.00072	.00034	.0052	.00032	.00011	.00017	.00049	.0053
%RSD	.02671	.06746	.32437	.90640	.43768	.14503	7.8665	.10384	.06494	.02254	.03374	.09807	.21147
#1	.49716	.52312	1.0001	.49857	.49360	.49273	-.00460	5.0425	.50037	.50432	.50531	.50163	2.5135
#2	.49735	.52262	.99557	.50500	.49667	.49374	-.00412	5.0499	.49991	.50448	.50555	.50093	2.5060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.301**	**.98591**	**19.802**	**.49694**	**.50912**	**5.2327**	**.51047**	**.99939**	**1.0228**	**.57416**	**.99849**	**1.0044**	**4.9292**
Stddev	.041	.00080	.048	.00077	.00371	.0244	.00420	.00353	.0036	.00140	.00193	.0072	.0445
%RSD	.08229	.08086	.24124	.15492	.72894	.46685	.82215	.35277	.35566	.24452	.19304	.72069	.90208
#1	50.330	.98535	19.768	.49639	.50649	5.2500	.50750	.99690	1.0202	.57515	.99985	1.0095	4.8978
#2	50.272	.98647	19.836	.49748	.51174	5.2154	.51344	1.0019	1.0253	.57316	.99712	.99929	4.9607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.549**	**1.0167**	**.49395**	**-.00338**	**.49359**	**1.0242**	**-.01022**	**.49987**	**.50331**	**.49813**
Stddev	.095	.0011	.00056	.00040	.00083	.0017	.01371	.00050	.00341	.00472
%RSD	.90208	.10821	.11277	11.931	.16817	.16111	134.20	.09972	.67783	.94817
#1	10.481	1.0175	.49356	-.00310	.49418	1.0254	-.01991	.49952	.50090	.49479
#2	10.616	1.0159	.49435	-.00367	.49301	1.0231	-.00052	.50023	.50572	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8232.4**	**109400.**	**6697.0**
Stddev	10.0	41.	10.7
%RSD	.12097	.03749	.15913
#1	8225.3	109370.	6689.5
#2	8239.4	109430.	6704.5

Sample Name: CCB Acquired: 11/11/2013 19:08:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00302**	**.00065**	**.00174**	**.00011**	**.00008**	**.00129**	**.00381**	**.00010**	**.00029**	**.00009**	**-.00003**
Stddev	.00010	.00042	.00013	.00021	.00007	.00004	.00083	.00032	.00016	.00036	.00001	.00060
%RSD	12.271	14.009	19.584	11.925	61.816	51.322	64.357	8.4349	166.40	125.44	13.249	1864.6
#1	.00089	-.00272	.00073	.00188	.00006	.00011	.00187	.00403	.00021	.00055	.00010	-.00045
#2	.00075	-.00332	.00056	.00159	.00015	.00005	.00070	.00358	-.00002	.00003	.00008	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00951**	**.07636**	**-.00168**	**.00183**	**.00006**	**.00049**	**.05727**	**.00036**	**-.00391**	**.00088**	F **.56075**	F **.00647**
Stddev	.00302	.02767	.00142	.00057	.00008	.00004	.00756	.00007	.00149	.00086	.00167	.00011
%RSD	31.725	36.236	84.573	31.388	129.84	7.1572	13.207	18.458	38.126	97.015	.29766	1.7414
#1	.00738	.09593	-.00068	.00223	.00001	.00047	.05192	.00031	-.00285	.00149	.55957	.00654
#2	.01165	.05680	-.00269	.00142	.00012	.00052	.06262	.00041	-.00496	.00028	.56193	.00639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit											.20000	.00628
Low Limit											-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.03271**	**.07000**	**.00049**	**.00017**	**-.00042**	**-.00035**	**-.00050**	**.02508**	**.00015**	**.00302**	W **.00279**
Stddev	.00035	.00406	.00868	.00077	.00006	.00014	.00016	.00138	.03593	.00013	.00010	.00149
%RSD	19.670	12.397	12.397	158.65	38.747	32.783	47.365	273.42	143.23	88.467	3.3256	53.407
#1	.00153	.03558	.07614	.00103	.00021	-.00052	-.00046	-.00148	-.00032	.00025	.00309	.00385
#2	.00202	.02984	.06387	-.00006	.00012	-.00032	-.00023	.00047	.05049	.00006	.00295	.00174
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8257.3**	**111880.**	**6667.7**
Stddev	24.8	747.	75.2
%RSD	.30085	.66746	1.1283
#1	8239.7	111350.	6614.5
#2	8274.8	112410.	6720.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 19:11:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.10813**	**.01685**	**.10093**	**.01040**	**.00096**	**.12257**	**.21633**	**.00516**	**.01114**	**.01061**	**.01577**	**.10518**
Stddev	.00022	.00034	.00192	.00054	.00018	.00001	.00078	.00168	.00025	.00019	.00012	.00001	.00104
%RSD	2.0760	.31303	11.381	.53544	1.7213	1.5050	.63909	.77530	4.8561	1.7269	1.1508	.06417	.98833
#1	.01087	.10789	.01550	.10131	.01027	.00095	.12202	.21515	.00499	.01127	.01052	.01577	.10444
#2	.01055	.10837	.01821	.10055	.01053	.00097	.12313	.21752	.00534	.01100	.01070	.01576	.10591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1604**	**.00755**	**.21102**	**.01047**	**.02052**	**1.1120**	**.04388**	**3.0017**	**.01022**	**.51976**	**.00743**	**.01277**	**.51736**
Stddev	.0228	.00103	.00165	.00000	.00012	.0087	.00008	.0125	.00099	.00033	.00066	.00010	.02254
%RSD	.72245	13.653	.78228	.01137	.60430	.78499	.19257	.41733	9.6598	.06336	8.8745	.74585	4.3566
#1	3.1442	.00828	.20985	.01047	.02043	1.1182	.04382	2.9928	.01092	.51999	.00789	.01284	.50142
#2	3.1765	.00682	.21219	.01047	.02060	1.1058	.04394	3.0106	.00952	.51952	.00696	.01270	.53330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1072**	**.10641**	**.01052**	**.01386**	**.00959**	**.01642**	F **.10820**	**.01046**	**.02314**	**.01794**
Stddev	.0482	.00015	.00022	.00039	.00001	.00024	.01036	.00027	.00010	.00161
%RSD	4.3566	.14167	2.0836	2.8178	.10257	1.4674	9.5780	2.5635	.42437	8.9531
#1	1.0730	.10652	.01037	.01414	.00958	.01659	.11553	.01065	.02321	.01907
#2	1.1413	.10630	.01068	.01358	.00960	.01625	.10087	.01027	.02307	.01680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.0**	**113890.**	**6756.0**
Stddev	11.2	11.	46.4
%RSD	.13399	.01005	.68726
#1	8378.0	113900.	6788.8
#2	8393.9	113880.	6723.2

Sample Name: 280-48651-a-2-a Acquired: 11/11/2013 19:13:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**69.943**	**.00814**	**.01719**	**.14536**	**.00230**	**-.01456**	**4.4738**	**.00084**	**.02775**
Stddev	.00056	.259	.00254	.00004	.00141	.00013	.00114	.0308	.00019	.00014
%RSD	673.21	.37056	31.133	.25201	.96927	5.5342	7.8308	.68897	22.799	.50314
#1	.00031	69.759	.00994	.01716	.14436	.00221	-.01536	4.4520	.00097	.02765
#2	-.00048	70.126	.00635	.01722	.14636	.00239	-.01375	4.4956	.00070	.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06665**	**.04736**	**81.517**	**7.5635**	**.12697**	**22.103**	**.59268**	**.00064**	**.32509**	**.09132**
Stddev	.00102	.00006	.280	.0288	.00016	.035	.00066	.00014	.00844	.00049
%RSD	1.5369	.12803	.34380	.38093	.12633	.15976	.11158	22.124	2.5955	.53237
#1	.06592	.04731	81.319	7.5431	.12686	22.078	.59221	.00054	.33105	.09098
#2	.06737	.04740	81.715	7.5838	.12708	22.128	.59315	.00074	.31912	.09167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5321**	**.02213**	**1.4815**	**-.00251**	**-.00129**	**3.0552**	**6.5382**	**.00482**	**.01874**	**.01496**
Stddev	.0168	.00075	.0067	.00048	.00152	.0306	.0654	.00074	.00005	.00091
%RSD	.66162	3.3752	.45303	18.999	118.37	1.0006	1.0006	15.360	.26315	6.0919
#1	2.5203	.02160	1.4767	-.00285	-.00236	3.0336	6.4919	.00534	.01871	.01431
#2	2.5440	.02266	1.4862	-.00218	-.00021	3.0768	6.5844	.00429	.01878	.01560
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39304**	**-.00044**	W **-.05971**	**.09270**	**.29315**	**.01660**
Stddev	.00395	.00022	.00510	.00003	.00064	.00225
%RSD	1.0046	49.829	8.5387	.03269	.21696	13.574
#1	.39583	-.00028	-.06331	.09268	.29360	.01501
#2	.39025	-.00059	-.05610	.09272	.29270	.01820
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8664.1**	**113670.**	**7063.9**
Stddev	10.2	49.	16.4
%RSD	.11743	.04268	.23279
#1	8656.9	113710.	7075.5
#2	8671.2	113640.	7052.3

Sample Name: 280-48651-a-3-a Acquired: 11/11/2013 19:15:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**46.593**	**.00503**	**.01376**	**.09186**	**.00152**	**-.01187**	**2.5802**	**.00088**	**.01667**
Stddev	.00018	.042	.00144	.00110	.00000	.00011	.00001	.0180	.00004	.00008
%RSD	97.074	.08947	28.734	8.0058	.00009	7.5394	.07772	.69908	4.9690	.50787
#1	-.00006	46.563	.00400	.01298	.09186	.00161	-.01188	2.5675	.00091	.01661
#2	-.00030	46.622	.00605	.01453	.09186	.00144	-.01187	2.5930	.00085	.01673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04461**	**.03614**	**51.811**	**5.9941**	**.07919**	**13.654**	**.36771**	**.00036**	**.18198**	**.05542**
Stddev	.00009	.00032	.481	.0017	.00137	.071	.00121	.00011	.01001	.00074
%RSD	.19480	.87321	.92883	.02786	1.7280	.52271	.32933	29.044	5.5032	1.3424
#1	.04455	.03636	51.471	5.9929	.08016	13.604	.36686	.00029	.17490	.05489
#2	.04467	.03591	52.151	5.9953	.07823	13.705	.36857	.00044	.18906	.05594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9961**	**.01996**	**1.0891**	**-.00142**	**.00298**	**3.1764**	**6.7974**	**.00457**	**.01258**	**.00885**
Stddev	.0066	.00058	.0029	.00006	.00194	.1088	.2328	.00017	.00010	.00052
%RSD	.32823	2.9008	.26571	4.2899	65.153	3.4249	3.4249	3.6884	.77689	5.8520
#1	1.9915	.02037	1.0870	-.00147	.00436	3.0994	6.6328	.00445	.01251	.00922
#2	2.0007	.01955	1.0911	-.00138	.00161	3.2533	6.9620	.00469	.01265	.00848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30237**	**.00025**	**-.04321**	**.05811**	**.24961**	**.01161**
Stddev	.00784	.00083	.00108	.00010	.00151	.00223
%RSD	2.5937	332.76	2.5053	.17707	.60350	19.199
#1	.29682	-.00034	-.04397	.05818	.24855	.01003
#2	.30791	.00084	-.04244	.05803	.25068	.01318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8629.5**	**114370.**	**7050.7**
Stddev	26.7	1572.	34.8
%RSD	.30924	1.3741	.49298
#1	8610.7	115480.	7075.2
#2	8648.4	113260.	7026.1

Sample Name: 280-48651-a-4-a Acquired: 11/11/2013 19:17:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**48.419**	**.00677**	**.01311**	**.11979**	**.00140**	**-.01167**	**3.7872**	**.00167**	**.01660**
Stddev	.00004	.161	.00124	.00008	.00014	.00002	.00310	.0116	.00006	.00023
%RSD	23.590	.33292	18.301	.64822	.11329	1.7422	26.535	.30586	3.3373	1.3793
#1	-.00019	48.305	.00589	.01317	.11970	.00141	-.01386	3.7790	.00171	.01644
#2	-.00013	48.533	.00765	.01305	.11989	.00138	-.00948	3.7954	.00163	.01677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04204**	**.02189**	**48.096**	**5.3405**	**.08925**	**13.355**	**.35925**	**.00025**	**.18671**	**.05244**
Stddev	.00001	.00027	.292	.0199	.00039	.010	.00025	.00009	.03251	.00061
%RSD	.03221	1.2241	.60767	.37264	.43420	.07722	.07042	36.764	17.414	1.1580
#1	.04205	.02208	47.889	5.3546	.08897	13.363	.35943	.00018	.20970	.05287
#2	.04203	.02170	48.302	5.3264	.08952	13.348	.35907	.00031	.16372	.05201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9473**	**.02961**	**1.1710**	**-.00320**	**-.00149**	**3.2146**	**6.8793**	**.00492**	**.01747**	**.01146**
Stddev	.0037	.00155	.0037	.00184	.00361	.1067	.2283	.00001	.00023	.00178
%RSD	.12719	5.2333	.32053	57.656	242.48	3.3186	3.3186	.13820	1.3151	15.558
#1	2.9446	.02852	1.1684	-.00190	-.00404	3.2900	7.0407	.00492	.01731	.01272
#2	2.9499	.03071	1.1737	-.00450	.00106	3.1392	6.7178	.00491	.01763	.01020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33882**	**-.00036**	W **-.05938**	**.05489**	**.28363**	**.00749**
Stddev	.00250	.00036	.00079	.00041	.00065	.00154
%RSD	.73874	99.550	1.3327	.74726	.22858	20.596
#1	.33705	-.00061	-.05882	.05518	.28409	.00858
#2	.34059	-.00011	-.05994	.05460	.28317	.00640
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8636.8**	**113520.**	**7045.2**
Stddev	26.4	406.	61.7
%RSD	.30579	.35783	.87602
#1	8618.1	113230.	7001.6
#2	8655.5	113800.	7088.8

Sample Name: 280-48651-a-5-a Acquired: 11/11/2013 19:20:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**47.215**	**.01251**	**.01726**	**.16941**	**.00159**	**-.01487**	**14.337**	**.00398**	**.01876**
Stddev	.00012	.066	.00062	.00020	.00002	.00012	.00292	.001	.00024	.00012
%RSD	120.96	.13960	4.9611	1.1482	.01183	7.8366	19.629	.00438	5.9377	.62962
#1	.00018	47.169	.01208	.01740	.16943	.00168	-.01694	14.338	.00415	.01885
#2	.00001	47.262	.01295	.01712	.16940	.00151	-.01281	14.337	.00381	.01868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05101**	**.11698**	**71.538**	**6.3064**	**.07413**	**14.011**	**.51648**	**.00117**	**.22548**	**.06620**
Stddev	.00005	.00070	.039	.0043	.00130	.020	.00117	.00008	.00459	.00024
%RSD	.10552	.60067	.05513	.06809	1.7595	.14612	.22705	7.0896	2.0335	.35658
#1	.05098	.11648	71.566	6.3034	.07506	13.997	.51565	.00111	.22873	.06604
#2	.05105	.11748	71.510	6.3095	.07321	14.026	.51731	.00123	.22224	.06637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.5480**	**.21903**	**2.0644**	**-.00149**	**.00296**	**3.7584**	**8.0430**	**.08147**	**.08246**	**.01214**
Stddev	.0012	.00131	.0017	.00105	.00073	.0142	.0305	.00007	.00106	.00191
%RSD	.02175	.59733	.08268	70.132	24.565	.37874	.37874	.08162	1.2797	15.717
#1	5.5471	.21996	2.0656	-.00075	.00244	3.7685	8.0645	.08151	.08321	.01079
#2	5.5488	.21811	2.0632	-.00224	.00347	3.7483	8.0215	.08142	.08172	.01349
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51787**	**.00053**	W **-.08142**	**.07593**	**1.0445**	**.01118**
Stddev	.01020	.00025	.01603	.00005	.0004	.00121
%RSD	1.9704	46.706	19.690	.06867	.04076	10.853
#1	.51065	.00035	-.09276	.07589	1.0442	.01032
#2	.52508	.00070	-.07009	.07596	1.0448	.01203
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8623.4**	**115320.**	**7042.0**
Stddev	22.6	262.	63.0
%RSD	.26232	.22688	.89526
#1	8639.4	115510.	6997.5
#2	8607.4	115140.	7086.6

Sample Name: 280-48486-a-1-e Acquired: 11/11/2013 19:22:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**48.298**	**.03673**	**.01993**	**.22012**	**.00226**	**-.01812**	**110.41**	**.00113**	**.03741**
Stddev	.00040	.009	.00242	.00005	.00061	.00000	.00036	.12	.00012	.00019
%RSD	58.615	.01919	6.5881	.26618	.27568	.19289	2.0042	.11288	10.963	.51369
#1	.00097	48.292	.03502	.01997	.21969	.00227	-.01786	110.32	.00122	.03754
#2	.00040	48.305	.03844	.01990	.22055	.00226	-.01838	110.50	.00104	.03727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05717**	**.12581**	**104.37**	**7.1285**	**.08866**	**30.166**	**3.8932**	**.00182**	**.32835**	**.08013**
Stddev	.00008	.00011	.56	.0245	.00171	.117	.0405	.00014	.00069	.00007
%RSD	.13234	.08582	.53485	.34378	1.9336	.38863	1.0393	7.5328	.21056	.08344
#1	.05722	.12588	103.97	7.1458	.08987	30.083	3.8646	.00172	.32884	.08017
#2	.05712	.12573	104.76	7.1112	.08745	30.249	3.9218	.00191	.32786	.08008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2772**	**.04608**	**1.1942**	**-.00243**	**-.00267**	**3.2546**	**6.9648**	**.00389**	**.17285**	**.02230**
Stddev	.0017	.00096	.0069	.00209	.00093	.0403	.0862	.00012	.00083	.00164
%RSD	.05020	2.0790	.58141	85.925	34.796	1.2377	1.2377	3.1158	.47877	7.3524
#1	3.2760	.04676	1.1991	-.00095	-.00333	3.2831	7.0257	.00397	.17227	.02346
#2	3.2783	.04540	1.1893	-.00391	-.00202	3.2261	6.9038	.00380	.17344	.02114
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21462**	**-.00251**	F **-.13567**	**.08570**	**.27177**	**.01876**
Stddev	.00359	.00184	.05438	.00029	.00072	.00062
%RSD	1.6711	73.395	40.087	.33349	.26471	3.3043
#1	.21208	-.00381	-.17412	.08550	.27126	.01833
#2	.21715	-.00121	-.09721	.08591	.27228	.01920
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8629.3**	**114510.**	**7224.3**
Stddev	4.1	658.	.3
%RSD	.04725	.57468	.00468
#1	8626.5	114980.	7224.6
#2	8632.2	114050.	7224.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:24:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00732**	**51.162**	**-.00002**	**.00098**	**.00006**	**-.00009**	W **1.0534**	**.03892**	**-.00004**	**-.00032**	**-.00002**	**.01199**
Stddev	.00001	.188	.00195	.00006	.00019	.00000	.0059	.00023	.00005	.00001	.00016	.00031
%RSD	.11880	.36726	9651.1	6.2682	339.78	4.4522	.55617	.59292	115.90	2.5761	694.27	2.5697
#1	.00731	51.295	-.00140	.00094	-.00008	-.00009	1.0575	.03909	-.00008	-.00032	-.00013	.01220
#2	.00732	51.030	.00136	.00103	.00020	-.00010	1.0492	.03876	-.00001	-.00033	.00009	.01177
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.607**	**.06813**	**-.00226**	**.08821**	**.00131**	**-.00024**	**259.60**	**-.00030**	**-.00080**	**.00141**	F **5.5510**	**.00114**
Stddev	.087	.00547	.00270	.00107	.00006	.00015	.86	.00024	.00096	.00029	.0393	.00041
%RSD	.17121	8.0307	119.12	1.2136	4.8104	63.931	.33311	79.884	119.35	20.590	.70874	36.010
#1	50.546	.06426	-.00417	.08897	.00135	-.00013	260.22	-.00047	-.00148	.00121	5.5788	.00085
#2	50.669	.07200	-.00036	.08746	.00127	-.00035	258.99	-.00013	-.00013	.00162	5.5232	.00144
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00290**	**.01964**	**.04203**	**.00007**	**.00023**	**4.9310**	**-.01273**	**.00245**	F **6.2369**	**.00135**	**.00107**	**.06147**
Stddev	.00234	.01246	.02667	.00010	.00008	.0022	.00027	.00048	.0271	.00003	.00030	.00023
%RSD	80.644	63.472	63.472	147.85	33.263	.04356	2.1170	19.481	.43508	2.0671	28.425	.37435
#1	-.00125	.01082	.02316	.00000	.00018	4.9325	-.01254	.00211	6.2177	.00133	.00085	.06130
#2	-.00455	.02845	.06089	.00014	.00029	4.9295	-.01292	.00278	6.2561	.00137	.00129	.06163
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8084.2**	**106300.**	**6605.1**
Stddev	15.2	283.	.6
%RSD	.18770	.26629	.00882
#1	8094.9	106500.	6604.7
#2	8073.5	106100.	6605.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:26:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49915**	**.53156**	**1.0012**	**.50021**	**.50211**	**.49807**	**-.00021**	**5.1005**	**.50145**	**.50610**	**.50763**	**.50323**	**2.5247**
Stddev	.00085	.00038	.0001	.00081	.00047	.00034	.00297	.0175	.00072	.00047	.00052	.00115	.0026
%RSD	.16977	.07221	.01279	.16241	.09323	.06736	1423.6	.34263	.14435	.09300	.10271	.22946	.10382
#1	.49975	.53183	1.0013	.49963	.50244	.49831	-.00231	5.1129	.50094	.50644	.50726	.50241	2.5265
#2	.49856	.53129	1.0011	.50078	.50177	.49783	.00189	5.0882	.50196	.50577	.50800	.50405	2.5228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.068**	**1.0038**	**19.982**	**.50027**	**.51279**	**5.2224**	**.51167**	**1.0048**	**1.0246**	**.42263**	**1.0017**	**1.0052**	**5.0032**
Stddev	.057	.0064	.047	.00074	.00385	.0358	.00017	.0098	.0103	.00024	.0011	.0050	.0568
%RSD	.11079	.64201	.23332	.14814	.75098	.68557	.03267	.97931	1.0021	.05679	.10565	.50193	1.1344
#1	51.108	1.0084	20.015	.50079	.51007	5.2477	.51156	.99780	1.0173	.42246	1.0009	1.0088	4.9630
#2	51.028	.99924	19.949	.49974	.51551	5.1971	.51179	1.0117	1.0319	.42280	1.0024	1.0017	5.0433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.707**	**1.0267**	**.50118**	**-.00529**	**.49597**	**1.0282**	**.02104**	**.50285**	**.51006**	**.50587**
Stddev	.121	.0021	.00051	.00181	.00010	.0007	.02383	.00220	.00242	.00503
%RSD	1.1344	.20397	.10229	34.248	.02055	.06574	113.27	.43763	.47426	.99434
#1	10.621	1.0252	.50154	-.00401	.49604	1.0277	.00419	.50441	.51177	.50231
#2	10.793	1.0281	.50082	-.00656	.49590	1.0287	.03789	.50130	.50835	.50943
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8238.1**	**109470.**	**6634.7**
Stddev	8.5	434.	28.9
%RSD	.10259	.39626	.43625
#1	8244.1	109160.	6614.2
#2	8232.1	109770.	6655.1

Sample Name: CCB Acquired: 11/11/2013 19:29:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00011**	**-.00002**	**.00048**	**-.00007**	**-.00005**	**.00110**	**.00592**	**.00016**	**.00027**	**.00006**	**-.00005**	**.00392**
Stddev	.00067	.00061	.00100	.00042	.00003	.00005	.00301	.00358	.00010	.00019	.00006	.00050	.00206
%RSD	153.66	531.03	6508.6	87.311	45.611	113.31	274.11	60.509	60.884	70.911	102.43	1084.9	52.626
#1	.00090	-.00032	.00069	.00018	-.00009	-.00001	.00323	.00846	.00022	.00041	.00002	.00030	.00246
#2	-.00004	.00055	-.00072	.00078	-.00004	-.00009	-.00103	.00339	.00009	.00014	.00010	-.00040	.00538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05567**	**.00054**	**.00263**	**.00020**	**.00042**	**.01481**	**.00045**	**-.00328**	**-.00001**	F **.42918**	F **.00660**	**-.00068**	**-.00599**
Stddev	.03258	.00163	.00047	.00003	.00011	.00293	.00016	.00009	.00016	.00125	.00136	.00388	.00085
%RSD	58.531	298.78	17.834	17.523	25.085	19.748	35.827	2.8783	1453.8	.29051	20.560	573.27	14.131
#1	.07871	.00170	.00296	.00022	.00035	.01275	.00034	-.00322	-.00012	.42830	.00564	-.00342	-.00659
#2	.03263	-.00061	.00230	.00017	.00050	.01688	.00057	-.00335	.00010	.43006	.00756	.00207	-.00539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit										.20000	.00628		
Low Limit										-.20000	-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01283**	**.00024**	**.00014**	**-.00050**	**-.00037**	**.00081**	**-.01525**	**.00041**	**.00228**	**.00027**
Stddev	.00181	.00013	.00002	.00067	.00008	.00070	.00969	.00005	.00010	.00048
%RSD	14.131	55.866	11.357	133.97	22.364	86.348	63.560	10.927	4.3939	174.79
#1	-.01411	.00014	.00013	-.00003	-.00031	.00130	-.00840	.00038	.00221	.00061
#2	-.01154	.00033	.00015	-.00097	-.00042	.00031	-.02211	.00044	.00235	-.00006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8249.3**	**111830.**	**6592.4**
Stddev	28.1	446.	17.6
%RSD	.34005	.39911	.26629
#1	8229.4	112150.	6580.0
#2	8269.1	111520.	6604.8

Sample Name: CCVL-2372865 Acquired: 11/11/2013 19:31:17 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.11438**	**.01736**	**.10333**	**.01064**	**.00107**	**.12915**	**.22560**	**.00541**	**.01121**	**.01101**	**.01636**	**.11140**	**3.2206**
Stddev	.00008	.00064	.00037	.00042	.00003	.00008	.00300	.00174	.00006	.00026	.00008	.00025	.00200	.0471
%RSD	.72940	.55785	2.1472	.40241	.24849	7.6383	2.3265	.77110	1.1333	2.2764	.70255	1.5185	1.7923	1.4637
#1	.01138	.11393	.01762	.10362	.01066	.00112	.13127	.22437	.00545	.01103	.01106	.01619	.10999	3.2540
#2	.01127	.11484	.01710	.10304	.01062	.00101	.12702	.22683	.00537	.01139	.01095	.01654	.11281	3.1873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00877**	**.22001**	**.01089**	**.02106**	**1.1208**	**.04456**	**3.0802**	**.01009**	**.41131**	**.01154**	**.01310**	**.53860**	**1.1526**	**.11024**
Stddev	.00137	.00124	.00002	.00027	.0021	.00005	.0012	.00220	.00381	.00181	.00104	.01942	.0415	.00038
%RSD	15.614	.56249	.15204	1.2852	.18996	.10546	.04023	21.780	.92649	15.690	7.9654	3.6052	3.6052	.34303
#1	.00974	.21913	.01088	.02087	1.1223	.04453	3.0793	.01165	.40862	.01282	.01236	.52487	1.1232	.11051
#2	.00780	.22088	.01090	.02125	1.1193	.04460	3.0811	.00854	.41401	.01026	.01383	.55233	1.1820	.10997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.01692**	**.00995**	**.01744**	**.05893**	**.01085**	**.02452**	**.01745**
Stddev	.00013	.00008	.00016	.00016	.00120	.00038	.00009	.00149
%RSD	1.1696	.49059	1.6223	.92902	2.0394	3.4691	.37025	8.5400
#1	.01063	.01686	.00983	.01756	.05978	.01058	.02458	.01640
#2	.01081	.01698	.01006	.01733	.05808	.01111	.02445	.01851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8408.9**	**113960.**	**6699.6**
Stddev	37.6	212.	17.4
%RSD	.44765	.18634	.25909
#1	8435.5	114110.	6711.9
#2	8382.2	113810.	6687.4

Sample Name: 280-48798-j-1-a Acquired: 11/11/2013 19:33:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.15791**	**.00457**	**2.2471**	**.03136**	**-.00002**	F **.21023**	**58.645**	**-.00013**	**.00428**
Stddev	.00051	.00017	.00384	.0021	.00000	.00008	.00067	.148	.00006	.00014
%RSD	366.96	.10934	83.840	.09287	.00245	448.63	.31727	.25276	41.605	3.2179
#1	-.00022	.15779	.00186	2.2486	.03136	.00004	.21070	58.540	-.00010	.00418
#2	.00050	.15804	.00729	2.2456	.03136	-.00008	.20976	58.750	-.00017	.00437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32698**	**.13674**	**73.537**	F **699.00**	**.00965**	**4.7844**	**.34376**	**.01362**	RW **1166.9**	**.14118**
Stddev	.00070	.00043	.262	1.00	.00089	.0004	.00037	.00012	5.1	.00091
%RSD	.21550	.31202	.35568	.14342	9.1690	.00919	.10791	.89147	.43675	.64277
#1	.32748	.13704	73.352	698.29	.01028	4.7841	.34350	.01370	1163.3	.14182
#2	.32649	.13644	73.722	699.71	.00903	4.7847	.34402	.01353	1170.5	.14054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.281**	**.00056**	W **187.03**	**.00581**	**-.00083**	**5.2882**	**11.317**	W **17.896**	**.17602**	**.00049**
Stddev	.003	.00104	.10	.00332	.00127	.0911	.195	.024	.00058	.00008
%RSD	.02816	183.79	.05493	57.156	152.18	1.7219	1.7219	.13481	.33027	16.177
#1	12.279	-.00017	187.10	.00816	.00006	5.2238	11.179	17.879	.17560	.00043
#2	12.283	.00130	186.95	.00346	-.00173	5.3526	11.455	17.914	.17643	.00055
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02113**	**.00050**	**.02358**	**.00306**	**.15493**	**.00445**
Stddev	.00033	.00005	.02146	.00039	.00089	.00175
%RSD	1.5513	10.119	91.043	12.641	.57537	39.248
#1	.02136	.00054	.03875	.00279	.15556	.00322
#2	.02089	.00047	.00840	.00334	.15430	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7438.0**	**96058.**	**6550.0**
Stddev	3.9	120.	.6
%RSD	.05268	.12497	.00924
#1	7440.8	96143.	6550.4
#2	7435.2	95973.	6549.6

Sample Name: 280-48769-a-2-b@100 Acquired: 11/11/2013 19:36:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.22526**	**.00131**	**.00983**	**.00173**	**-.00001**	**-.00029**	**.60387**	**.00008**	**.00017**
Stddev	.00016	.00015	.00064	.00024	.00030	.00009	.00084	.00654	.00016	.00005
%RSD	11.478	.06584	48.756	2.4094	17.055	1601.2	289.98	1.0833	196.90	26.013
#1	.00148	.22516	.00176	.01000	.00194	.00006	.00030	.59925	-.00003	.00014
#2	.00126	.22537	.00086	.00966	.00153	-.00007	-.00088	.60850	.00019	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00090**	**.26731**	**14.198**	**-.00336**	**.16550**	W **15.476**	**-.00102**	**20.141**	**.00145**
Stddev	.00006	.00023	.00240	.023	.00180	.00051	.070	.00003	.507	.00004
%RSD	5.0422	24.907	.89940	.16142	53.487	.30810	.45327	3.2515	2.5182	2.7685
#1	.00123	.00075	.26561	14.214	-.00464	.16586	15.526	-.00104	19.783	.00148
#2	.00114	.00106	.26901	14.182	-.00209	.16514	15.427	-.00099	20.500	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01600**	**.00548**	**41.639**	**-.00008**	**-.00013**	**.28094**	**.60121**	F **37.722**	**.00335**	**.00133**
Stddev	.00068	.00010	.048	.00317	.00186	.00116	.00249	.013	.00014	.00002
%RSD	4.2703	1.8404	.11636	4165.1	1470.3	.41434	.41434	.03326	4.0825	1.7768
#1	.01648	.00541	41.673	-.00232	-.00144	.28012	.59945	37.713	.00325	.00135
#2	.01552	.00555	41.604	.00216	.00119	.28176	.60297	37.731	.00345	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								20.000		
Low Limit								-.10000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00791**	**-.00852**	W **-.07926**	**.00341**	**.01444**	**.00283**
Stddev	.00010	.00034	.01524	.00021	.00048	.00090
%RSD	1.2965	3.9440	19.232	6.1484	3.3232	31.869
#1	.00798	-.00828	-.09004	.00326	.01410	.00347
#2	.00784	-.00876	-.06848	.00356	.01478	.00219
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8182.2**	**109220.**	**6513.9**
Stddev	6.1	400.	50.2
%RSD	.07513	.36598	.77014
#1	8186.5	109500.	6549.4
#2	8177.8	108930.	6478.4

Sample Name: 280-48833-d-1-b Acquired: 11/11/2013 19:38:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**60.538**	**.00752**	**.00590**	**.01809**	**.01028**	**-.01042**	**342.46**	**.06449**	**.25058**
Stddev	.00004	.139	.00397	.00065	.00048	.00009	.00022	7.97	.00010	.00069
%RSD	4.3718	.22988	52.767	11.005	2.6520	.86955	2.1215	2.3264	.15589	.27543
#1	.00081	60.440	.01032	.00544	.01843	.01022	-.01058	348.10	.06442	.25009
#2	.00086	60.636	.00471	.00635	.01776	.01034	-.01026	336.83	.06456	.25107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00602**	W **12.609**	**85.001**	**4.5860**	**.03881**	**41.299**	W **14.924**	**-.00121**	**63.447**	**.27907**
Stddev	.00011	.031	.148	.0577	.00027	.045	.009	.00010	.754	.00021
%RSD	1.8985	.24698	.17404	1.2579	.69431	.11009	.06325	8.7077	1.1889	.07700
#1	.00594	12.587	84.896	4.6268	.03900	41.267	14.917	-.00113	62.913	.27892
#2	.00610	12.631	85.105	4.5452	.03862	41.331	14.930	-.00128	63.980	.27922
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.01000					-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**.06102**	F **520.00**	**-.00127**	**-.00181**	**15.887**	**33.998**	**.00700**	**1.1090**	**.00569**
Stddev	.00127	.00036	1.38	.00241	.00163	.052	.111	.00061	.0055	.00234
%RSD	72.899	.58463	.26485	189.69	89.751	.32608	.32608	8.6889	.49616	41.089
#1	.00264	.06127	519.02	.00043	-.00297	15.850	33.920	.00743	1.1051	.00734
#2	.00084	.06077	520.97	-.00297	-.00066	15.924	34.077	.00657	1.1129	.00404
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00636**	F **-.17955**	**.00227**	**6.9712**	**.00160**
Stddev	.00019	.00021	.04890	.00031	.0124	.00080
%RSD	85.830	3.3795	27.237	13.671	.17820	49.867
#1	-.00009	-.00621	-.21413	.00205	6.9624	.00216
#2	-.00035	-.00651	-.14497	.00249	6.9799	.00103
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8396.8**	**109260.**	**6915.6**
Stddev	55.1	429.	104.4
%RSD	.65653	.39247	1.5100
#1	8357.8	108960.	6841.7
#2	8435.8	109560.	6989.4

Sample Name: 280-48833-d-2-b Acquired: 11/11/2013 19:41:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**1.6559**	**-.00225**	**.00832**	**.03408**	**.00002**	**-.00045**	W **643.61**	**.00087**	**.00128**
Stddev	.00011	.0049	.00030	.00031	.00004	.00007	.00220	22.81	.00013	.00005
%RSD	35.893	.29326	13.508	3.7703	.11472	283.02	491.73	3.5437	15.415	3.6234
#1	.00024	1.6525	-.00247	.00809	.03405	-.00002	-.00201	627.48	.00078	.00125
#2	.00040	1.6593	-.00204	.00854	.03411	.00007	.00111	659.73	.00097	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.01462**	**.00970**	**5.3389**	**.04224**	**20.265**	**1.2451**	**.00242**	**79.527**	**.00307**
Stddev	.00003	.00025	.00388	.0282	.00375	.078	.0022	.00020	.970	.00041
%RSD	172.46	1.7028	40.029	.52876	8.8765	.38480	.18101	8.1696	1.2201	13.292
#1	.00000	.01479	.00695	5.3190	.04489	20.321	1.2467	.00228	80.213	.00278
#2	.00004	.01444	.01244	5.3589	.03959	20.210	1.2435	.00256	78.841	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	**-.00188**	F **568.16**	**-.00082**	**-.00387**	**.17679**	**.37834**	**.00261**	**1.3317**	**-.00107**
Stddev	.00056	.00148	1.42	.00005	.00065	.01992	.04264	.00054	.0060	.00199
%RSD	23.778	78.824	.24989	6.3130	16.741	11.269	11.269	20.817	.44886	186.66
#1	-.00276	-.00292	567.16	-.00078	-.00341	.19088	.40849	.00299	1.3359	.00034
#2	-.00197	-.00083	569.17	-.00085	-.00433	.16271	.34819	.00222	1.3274	-.00248
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00242**	**-.01365**	**.00081**	**.01218**	**.00178**
Stddev	.00046	.00016	.00693	.00014	.00014	.00192
%RSD	79.994	6.7207	50.819	17.920	1.1460	108.18
#1	-.00025	.00254	-.00874	.00071	.01208	.00313
#2	-.00089	.00231	-.01855	.00091	.01227	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7622.2**	**101820.**	**6590.3**
Stddev	10.6	519.	1.6
%RSD	.13897	.50997	.02426
#1	7614.8	101460.	6589.1
#2	7629.7	102190.	6591.4

Sample Name: 280-48833-d-3-b Acquired: 11/11/2013 19:43:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	W **2.5143**	W **2.6674**	**.00055**	**.00290**	**.02640**	**.00038**	**-.00090**	**75.521**	**.00295**
Stddev	.00019	.0010	.0531	.00106	.00005	.00008	.00006	.00115	.401	.00007
%RSD	83.680	.04056	1.9916	193.26	1.6429	.28852	16.791	128.21	.53103	2.2875
#1	.00009	2.5150	2.6298	-.00020	.00286	.02646	.00034	-.00008	75.238	.00290
#2	.00036	2.5136	2.7049	.00130	.00293	.02635	.00043	-.00171	75.805	.00300
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01522**	**.00014**	**.36147**	**1.1586**	**2.0252**	**.00381**	**7.8001**	**1.3696**	**-.00024**	**8.4533**
Stddev	.00011	.00012	.00027	.0031	.0047	.00220	.0165	.0000	.00033	.0065
%RSD	.74074	81.755	.07539	.26755	.23197	57.630	.21222	.00244	136.36	.07659
#1	.01530	.00022	.36128	1.1564	2.0285	.00226	7.7884	1.3696	-.00001	8.4487
#2	.01514	.00006	.36166	1.1608	2.0218	.00536	7.8118	1.3695	-.00047	8.4579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02224**	**-.00183**	**.00016**	**80.203**	**-.00172**	**-.00232**	**8.2406**	**17.635**	**.00561**	**.30392**
Stddev	.00009	.00056	.00120	.109	.00233	.00168	.0310	.066	.00186	.00161
%RSD	.39582	30.711	751.60	.13597	135.74	72.645	.37607	.37607	33.168	.52873
#1	.02230	-.00143	-.00069	80.281	-.00007	-.00113	8.2187	17.588	.00693	.30279
#2	.02218	-.00222	.00101	80.126	-.00336	-.00351	8.2625	17.682	.00430	.30506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00040**	**-.00041**	**.00635**	**.00045**	**.54870**	**.00219**
Stddev	.00052	.00002	.00034	.01160	.00013	.00056	.00182
%RSD	97.304	3.8872	84.337	182.62	28.419	.10212	83.141
#1	-.00017	-.00041	-.00016	.01455	.00054	.54909	.00090
#2	-.00090	-.00039	-.00065	-.00185	.00036	.54830	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8321.7**	**111320.**	**6785.9**
Stddev	12.6	159.	25.2
%RSD	.15165	.14301	.37140
#1	8330.6	111200.	6803.7
#2	8312.8	111430.	6768.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:45:57 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00731**	**52.400**	**.00347**	**.00177**	**-.00014**	**-.00003**	W **1.0807**	**.05504**	**-.00018**	**-.00034**	**.00010**	**.01279**
Stddev	.00028	.172	.00177	.00034	.00006	.00001	.0066	.01322	.00029	.00004	.00010	.00025
%RSD	3.8278	.32767	50.943	19.445	47.029	38.056	.61460	24.012	162.93	11.515	95.518	1.9560
#1	.00711	52.521	.00222	.00152	-.00009	-.00002	1.0854	.06438	.00003	-.00031	.00017	.01261
#2	.00751	52.278	.00472	.00201	-.00018	-.00004	1.0760	.04569	-.00039	-.00037	.00003	.01297
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.708**	**.37105**	**-.00020**	**.08590**	**.00147**	**-.00018**	**265.68**	**-.00009**	**-.00220**	**.00061**	F **5.6297**	**.00074**
Stddev	.033	.00195	.00180	.00024	.00002	.00001	.12	.00027	.00085	.00054	.0037	.00092
%RSD	.06443	.52684	901.54	.28243	1.2128	5.1518	.04477	283.21	38.405	89.115	.06655	124.61
#1	51.685	.37244	-.00147	.08573	.00146	-.00017	265.77	.00009	-.00280	.00099	5.6271	.00139
#2	51.732	.36967	.00107	.08607	.00148	-.00018	265.60	-.00028	-.00160	.00022	5.6324	.00009
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00206**	**.01481**	**.03170**	**.00124**	**.00026**	**5.0558**	**-.01346**	**.00178**	F **6.3681**	**.00187**	**.00076**	**.06552**
Stddev	.00296	.01676	.03586	.00041	.00003	.0073	.00001	.00002	.0050	.00046	.00019	.00092
%RSD	143.88	113.12	113.12	32.998	10.546	.14530	.10860	.89846	.07883	24.561	25.028	1.4094
#1	-.00415	.02666	.05705	.00095	.00024	5.0506	-.01345	.00177	6.3716	.00220	.00063	.06617
#2	.00004	.00296	.00634	.00153	.00028	5.0610	-.01347	.00179	6.3645	.00155	.00090	.06487
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8147.4**	**107210.**	**6598.8**
Stddev	46.6	48.	13.9
%RSD	.57159	.04467	.21017
#1	8114.5	107180.	6589.0
#2	8180.3	107250.	6608.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:48:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50230**	**.52943**	**.99693**	**.50493**	**.50340**	**.49743**	**-.00255**	**5.1377**	**.50623**	**.50555**	**.50649**	**.50906**	**2.5111**
Stddev	.00129	.00149	.00322	.00063	.00364	.00072	.00017	.0082	.00026	.00022	.00034	.00224	.0022
%RSD	.25666	.28187	.32326	.12485	.72309	.14392	6.6943	.15968	.05156	.04417	.06748	.43912	.08620
#1	.50139	.52838	.99921	.50448	.50083	.49794	-.00267	5.1435	.50641	.50571	.50674	.50748	2.5096
#2	.50321	.53049	.99465	.50537	.50598	.49693	-.00243	5.1319	.50604	.50539	.50625	.51064	2.5127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.262**	**1.0026**	**19.970**	**.49844**	**.51246**	**5.3094**	**.51029**	**1.0075**	**1.0339**	**.35788**	**1.0129**	**1.0096**	**4.9610**
Stddev	.180	.0043	.025	.00044	.00222	.0012	.00031	.0012	.0003	.00265	.0018	.0024	.0003
%RSD	.35162	.43120	.12578	.08848	.43260	.02279	.06099	.12145	.02444	.73986	.18173	.23788	.00603
#1	51.135	.99956	19.952	.49813	.51090	5.3103	.51051	1.0066	1.0337	.35601	1.0116	1.0079	4.9608
#2	51.389	1.0057	19.987	.49875	.51403	5.3086	.51007	1.0083	1.0341	.35975	1.0142	1.0113	4.9612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.617**	**1.0214**	**.50186**	**-.00518**	**.49695**	**1.0332**	**.02860**	**.49991**	**.50300**	**.50859**
Stddev	.001	.0029	.00348	.00108	.00250	.0069	.01588	.00139	.00099	.00094
%RSD	.00603	.28190	.69427	20.806	.50377	.67051	55.537	.27748	.19612	.18437
#1	10.616	1.0193	.49939	-.00594	.49518	1.0283	.03983	.49893	.50230	.50925
#2	10.617	1.0234	.50432	-.00442	.49872	1.0381	.01737	.50089	.50369	.50793
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8304.7**	**111900.**	**6769.3**
Stddev	22.4	128.	30.7
%RSD	.26970	.11427	.45366
#1	8320.6	112000.	6791.0
#2	8288.9	111810.	6747.6

Sample Name: CCB Acquired: 11/11/2013 19:50:25 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00040**	**.00151**	**.00127**	**.00008**	**.00002**	**.00153**	**.02056**	**.00004**	**.00017**	**.00001**	**-.00009**
Stddev	.00009	.00106	.00038	.00010	.00022	.00016	.00123	.00158	.00013	.00016	.00003	.00097
%RSD	13.018	264.61	25.365	8.2280	291.41	809.60	80.068	7.6924	312.82	92.595	262.16	1057.7
#1	.00076	.00115	.00178	.00135	.00024	-.00009	.00066	.01944	.00013	.00029	-.00001	-.00078
#2	.00063	-.00035	.00124	.00120	-.00008	.00013	.00240	.02168	-.00005	.00006	.00003	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.14491**	**-.00242**	**.00375**	F **.00082**	**.00028**	W **.10085**	**.00064**	**-.00291**	**-.00016**	F **.36435**	F **.00693**
Stddev	.00170	.02542	.00411	.00209	.00024	.00036	.01261	.00018	.00077	.00068	.00234	.00304
%RSD	72.206	17.542	170.29	55.636	29.275	127.78	12.508	27.665	26.454	432.22	.64290	43.860
#1	.00356	.12693	.00049	.00227	.00065	.00003	.09193	.00076	-.00345	-.00064	.36600	.00478
#2	.00115	.16288	-.00532	.00522	.00099	.00054	.10977	.00051	-.00237	.00032	.36269	.00907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					.00050		.09160				.20000	.00628
Low Limit					-.00050		-.09160				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.01221**	**.02614**	**.00170**	**.00012**	**.00042**	**-.00037**	**.00027**	**.01166**	**.00022**	**.00299**	**.00162**
Stddev	.00084	.00285	.00609	.00047	.00004	.00035	.00015	.00079	.02320	.00018	.00032	.00287
%RSD	71.952	23.294	23.294	27.907	35.874	83.313	40.426	289.79	199.00	80.707	10.795	177.33
#1	.00057	.01020	.02183	.00136	.00009	.00066	-.00047	.00083	-.00475	.00009	.00276	-.00041
#2	.00175	.01423	.03044	.00203	.00015	.00017	-.00026	-.00029	.02806	.00034	.00322	.00365
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.2**	**111060.**	**6563.7**
Stddev	12.6	948.	11.4
%RSD	.15215	.85326	.17382
#1	8265.1	110390.	6571.8
#2	8247.3	111730.	6555.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 19:52:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.11008**	**.01617**	**.10019**	**.01005**	**.00097**	**.11995**	**.23742**	**.00522**	**.01084**	**.01037**	**.01578**	**.10678**	**3.2145**
Stddev	.00006	.00040	.00048	.00064	.00012	.00001	.00103	.00114	.00017	.00024	.00001	.00009	.00154	.0446
%RSD	.56394	.36059	2.9686	.64336	1.2022	1.4953	.86162	.47905	3.2861	2.1826	.10194	.57538	1.4406	1.3871
#1	.01070	.11036	.01650	.09973	.00997	.00096	.11922	.23822	.00509	.01067	.01036	.01571	.10569	3.1829
#2	.01079	.10980	.01583	.10064	.01014	.00098	.12068	.23661	.00534	.01100	.01037	.01584	.10787	3.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00777**	**.21202**	**.01068**	**.02022**	**1.1272**	**.04238**	**2.9614**	**.00873**	**.33442**	**.01050**	**.01385**	**.51379**	**1.0995**	**.10670**
Stddev	.00468	.00126	.00003	.00002	.0025	.00019	.0038	.00004	.00182	.00126	.00177	.00106	.0023	.00104
%RSD	60.185	.59220	.27644	.12035	.22405	.44332	.12955	.41588	.54506	12.018	12.761	.20667	.20667	.97308
#1	.01108	.21291	.01066	.02023	1.1290	.04252	2.9641	.00870	.33313	.01139	.01260	.51304	1.0979	.10596
#2	.00446	.21113	.01070	.02020	1.1254	.04225	2.9586	.00876	.33571	.00961	.01510	.51454	1.1011	.10743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.01535**	**.00964**	**.01673**	**.06101**	**.01020**	**.02477**	**.01689**
Stddev	.00014	.00040	.00037	.00104	.05480	.00027	.00041	.00102
%RSD	1.3460	2.6169	3.8700	6.2176	89.825	2.6066	1.6400	6.0660
#1	.01028	.01564	.00990	.01600	.09976	.01001	.02506	.01761
#2	.01047	.01507	.00938	.01747	.02226	.01039	.02449	.01616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.8**	**112090.**	**6571.9**
Stddev	11.3	242.	71.1
%RSD	.13612	.21560	1.0823
#1	8327.7	111920.	6622.2
#2	8343.8	112260.	6521.6

Sample Name: mb 280-199795/1-a Acquired: 11/11/2013 19:54:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.01810**	**.00202**	**.00059**	**.00002**	**.00006**	**.00024**	**.05819**	**.00002**	**.00028**
Stddev	.00047	.01771	.00234	.00004	.00060	.00002	.00033	.00156	.00002	.00004
%RSD	92.083	97.830	115.66	7.0752	3887.7	41.760	139.04	2.6733	74.210	13.337
#1	.00018	.03062	.00367	.00062	.00044	.00008	.00047	.05709	.00004	.00025
#2	.00084	.00558	.00037	.00056	-.00041	.00004	.00000	.05929	.00001	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00070**	**.01807**	**.09051**	**-.00252**	**.00726**	**.00072**	**.00015**	**.10302**	**.00054**
Stddev	.00018	.00029	.00007	.08921	.00011	.00159	.00029	.00014	.01043	.00006
%RSD	128.14	41.869	.40434	98.563	4.4500	21.895	39.925	95.287	10.120	11.643
#1	.00027	.00049	.01812	.15359	-.00260	.00614	.00052	.00025	.09564	.00059
#2	.00001	.00090	.01802	.02743	-.00244	.00839	.00092	.00005	.11039	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00036**	F **.40679**	**-.00141**	**-.00192**	**.01202**	**.02572**	**.00709**	**.00007**	**-.00085**
Stddev	.00338	.00063	.12670	.00087	.00391	.00882	.01887	.00320	.00002	.00300
%RSD	521.05	174.07	31.147	61.939	203.38	73.380	73.380	45.129	32.202	352.12
#1	.00174	-.00080	.49638	-.00079	.00084	.00578	.01237	.00936	.00006	.00127
#2	-.00303	.00008	.31720	-.00203	-.00468	.01825	.03906	.00483	.00009	-.00297
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00038**	**.01904**	**.00000**	**.00392**	**.00273**
Stddev	.00019	.00196	.03476	.00003	.00011	.00004
%RSD	103.28	508.34	182.54	860.27	2.7543	1.5682
#1	-.00033	.00177	-.00554	-.00002	.00384	.00269
#2	-.00005	-.00100	.04362	.00002	.00399	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.3**	**114200.**	**6680.1**
Stddev	13.5	251.	31.5
%RSD	.15985	.21991	.47199
#1	8478.9	114030.	6657.8
#2	8459.8	114380.	6702.4

Sample Name: lcs 280-199795/2-a Acquired: 11/11/2013 19:57:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04693**	**1.8350**	**.90783**	**.90373**	**1.8736**	**.04605**	**2.0632**	**45.682**	**.09677**	**.45457**
Stddev	.00021	.0020	.00161	.00199	.0081	.00037	.0083	.287	.00004	.00036
%RSD	.44910	.11067	.17724	.22071	.43109	.81381	.40301	.62740	.04205	.07905
#1	.04678	1.8336	.90669	.90515	1.8679	.04578	2.0691	45.479	.09680	.45432
#2	.04708	1.8365	.90897	.90232	1.8793	.04631	2.0573	45.885	.09675	.45482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18673**	**.23577**	**.93878**	**47.837**	**.93302**	**45.313**	**.45299**	**.93545**	**49.732**	**.45785**
Stddev	.00022	.00072	.00571	.193	.00424	.001	.00012	.00186	.023	.00073
%RSD	.11921	.30490	.60853	.40381	.45446	.00283	.02540	.19840	.04640	.15854
#1	.18657	.23526	.93474	47.701	.93002	45.314	.45307	.93676	49.716	.45837
#2	.18689	.23628	.94282	47.974	.93602	45.312	.45291	.93413	49.748	.45734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3159**	**.45318**	**2.1805**	**.43477**	**1.7887**	**1.4403**	**3.0823**	**1.8426**	**.93204**	**.91259**
Stddev	.0180	.00091	.0009	.00288	.0078	.0067	.0144	.0008	.00527	.00220
%RSD	.19331	.20004	.04279	.66200	.43467	.46579	.46579	.04558	.56567	.24080
#1	9.3286	.45254	2.1812	.43680	1.7942	1.4451	3.0924	1.8432	.92831	.91103
#2	9.3031	.45382	2.1799	.43273	1.7832	1.4356	3.0721	1.8420	.93576	.91414
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91476**	**1.7859**	**1.9974**	**.46193**	**.45650**	**.48101**
Stddev	.00083	.0000	.0446	.00015	.00070	.00672
%RSD	.09126	.00066	2.2341	.03163	.15255	1.3968
#1	.91417	1.7858	2.0290	.46183	.45601	.47626
#2	.91535	1.7859	1.9659	.46204	.45699	.48576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.3**	**107540.**	**6574.0**
Stddev	6.7	424.	7.5
%RSD	.08341	.39396	.11480
#1	8024.6	107240.	6568.7
#2	8034.1	107840.	6579.3

Sample Name: 280-48859-a-1-a Acquired: 11/11/2013 19:59:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**46.908**	**.03667**	**.06707**	**.52202**	**.00241**	**-.01593**	**491.52**	**.01463**	**.03618**
Stddev	.00071	.216	.00060	.00032	.00030	.00006	.00405	6.74	.00014	.00009
%RSD	25.274	.46116	1.6230	.48348	.05717	2.4768	25.437	1.3708	.93043	.25489
#1	.00231	47.061	.03625	.06729	.52223	.00246	-.01879	486.75	.01453	.03625
#2	.00332	46.755	.03709	.06684	.52181	.00237	-.01306	496.28	.01473	.03612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51486**	**.41535**	**97.535**	**9.8848**	**.09621**	**178.83**	**2.7534**	**.00936**	**2.0078**	**.11631**
Stddev	.00058	.00018	.539	.0236	.00054	.07	.0016	.00061	.0061	.00057
%RSD	.11277	.04453	.55272	.23874	.55727	.04138	.05858	6.5668	.30374	.49340
#1	.51445	.41548	97.917	9.9015	.09659	178.78	2.7522	.00893	2.0034	.11590
#2	.51527	.41521	97.154	9.8681	.09584	178.89	2.7545	.00980	2.0121	.11671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6779**	**.68810**	**10.650**	**.00418**	**.00387**	**2.7921**	**5.9752**	**.03790**	**.53316**	**.01848**
Stddev	.0112	.00112	.019	.00055	.00302	.0036	.0077	.00044	.00132	.00207
%RSD	.16790	.16336	.17602	13.089	77.942	.12865	.12865	1.1728	.24750	11.183
#1	6.6700	.68730	10.637	.00380	.00601	2.7947	5.9806	.03821	.53409	.01994
#2	6.6859	.68889	10.663	.00457	.00174	2.7896	5.9697	.03758	.53223	.01702
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1185**	**.00048**	W **-.09756**	**.11847**	**1.7041**	**.04644**
Stddev	.0019	.00129	.01194	.00010	.0047	.00119
%RSD	.17068	266.88	12.235	.08375	.27390	2.5614
#1	1.1199	-.00043	-.10600	.11840	1.7008	.04728
#2	1.1172	.00139	-.08912	.11854	1.7074	.04559
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8072.1**	**104910.**	**6829.0**
Stddev	16.9	340.	18.6
%RSD	.20925	.32360	.27301
#1	8084.1	105150.	6815.8
#2	8060.2	104670.	6842.2

Sample Name: 280-48859-a-2-a Acquired: 11/11/2013 20:01:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**66.924**	**.06404**	**.07922**	**.70278**	**.00378**	**-.02079**	**422.57**	**.03922**	**.04535**
Stddev	.00003	.931	.00185	.00010	.01257	.00005	.00070	4.42	.00006	.00005
%RSD	.23279	1.3916	2.8938	.12757	1.7880	1.4077	3.3600	1.0466	.16287	.11757
#1	.01082	67.583	.06273	.07915	.71167	.00381	-.02129	419.44	.03927	.04539
#2	.01079	66.266	.06535	.07929	.69390	.00374	-.02030	425.70	.03918	.04532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6378**	**.56331**	**126.27**	**13.327**	**.12067**	**170.51**	**3.1362**	**.01215**	**1.6943**	**.17092**
Stddev	.0007	.00173	1.53	.308	.00005	.08	.0066	.00031	.0520	.00048
%RSD	.04542	.30746	1.2147	2.3133	.03937	.04871	.20882	2.5109	3.0681	.28113
#1	1.6373	.56453	127.35	13.545	.12064	170.45	3.1316	.01237	1.7311	.17058
#2	1.6383	.56208	125.18	13.109	.12071	170.57	3.1409	.01194	1.6576	.17126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3568**	**1.8122**	**13.047**	**.00361**	**.00364**	**3.1951**	**6.8374**	**.07305**	**.55025**	**.02461**
Stddev	.0143	.0017	.027	.00085	.00015	.0471	.1007	.00034	.00912	.00023
%RSD	.15327	.09620	.20893	23.581	4.2272	1.4727	1.4727	.46773	1.6582	.94767
#1	9.3466	1.8110	13.027	.00421	.00353	3.2283	6.9086	.07281	.55671	.02445
#2	9.3669	1.8135	13.066	.00301	.00375	3.1618	6.7662	.07329	.54380	.02478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2606**	**-.00073**	F **-.14578**	**.16120**	**2.9769**	**.05922**
Stddev	.0011	.00163	.04377	.00007	.0004	.00145
%RSD	.09043	223.62	30.022	.04250	.01194	2.4523
#1	1.2614	.00042	-.17673	.16115	2.9766	.06025
#2	1.2597	-.00188	-.11484	.16125	2.9772	.05820
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.9**	**107230.**	**6905.1**
Stddev	29.0	4.	94.2
%RSD	.35349	.00412	1.3644
#1	8176.4	107230.	6838.5
#2	8217.4	107240.	6971.7

Sample Name: 280-48859-a-4-a Acquired: 11/11/2013 20:04:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**36.309**	**.03005**	**.05864**	**.42388**	**.00190**	**-.01348**	W **612.67**	**.00844**	**.02862**
Stddev	.00001	.281	.00175	.00009	.00221	.00005	.00089	11.38	.00001	.00017
%RSD	.44370	.77262	5.8319	.16079	.52230	2.8065	6.6376	1.8567	.13653	.60029
#1	.00181	36.111	.03129	.05857	.42231	.00186	-.01411	604.62	.00845	.02850
#2	.00180	36.507	.02882	.05870	.42544	.00194	-.01285	620.71	.00843	.02874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55136**	**.15921**	**78.909**	**6.8222**	**.08256**	**191.78**	**2.4542**	**.00386**	**1.4063**	**.08081**
Stddev	.00010	.00061	.475	.0034	.00181	.12	.0125	.00008	.0181	.00030
%RSD	.01818	.38303	.60146	.04954	2.1955	.06278	.51013	1.9536	1.2907	.36851
#1	.55143	.15878	78.573	6.8198	.08128	191.87	2.4453	.00392	1.3935	.08102
#2	.55129	.15964	79.245	6.8246	.08384	191.69	2.4630	.00381	1.4191	.08060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0850**	**.44883**	**12.071**	**.00481**	**.00436**	**3.3336**	**7.1338**	**.02211**	**.58151**	**.01540**
Stddev	.0053	.00207	.010	.00289	.00169	.0311	.0666	.00028	.00224	.00100
%RSD	.12969	.46056	.08410	60.043	38.681	.93323	.93323	1.2766	.38509	6.5013
#1	4.0813	.44737	12.078	.00277	.00555	3.3556	7.1809	.02191	.57993	.01469
#2	4.0888	.45030	12.063	.00686	.00317	3.3116	7.0868	.02231	.58309	.01611
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1776**	**.00014**	F **-.10458**	**.10109**	**.76103**	**.04218**
Stddev	.0027	.00041	.04750	.00000	.00224	.00117
%RSD	.23014	298.72	45.415	.00239	.29380	2.7633
#1	1.1795	.00043	-.13817	.10109	.76261	.04136
#2	1.1757	-.00015	-.07100	.10109	.75945	.04301
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8106.9**	**105800.**	**6992.2**
Stddev	10.3	198.	39.0
%RSD	.12720	.18668	.55728
#1	8114.2	105660.	7019.8
#2	8099.6	105940.	6964.7

Sample Name: 280-48859-a-6-c Acquired: 11/11/2013 20:06:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**59.776**	**.01478**	**.08034**	**.70196**	**.00270**	**-.01961**	W **886.29**	**.00292**	**.04161**
Stddev	.00031	.350	.00183	.00139	.00491	.00000	.00278	1.94	.00002	.00018
%RSD	86.700	.58544	12.410	1.7279	.69880	.05906	14.153	.21848	.59788	.42141
#1	-.00014	59.529	.01348	.08132	.69849	.00270	-.01765	887.66	.00293	.04173
#2	-.00058	60.024	.01608	.07936	.70543	.00270	-.02157	884.92	.00291	.04148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11509**	**.10435**	**124.89**	**11.645**	**.14087**	**198.00**	**5.7328**	**.00277**	**2.0876**	**.09935**
Stddev	.00024	.00030	.41	.022	.00191	.68	.0454	.00009	.0060	.00018
%RSD	.21210	.28915	.32735	.18748	1.3550	.34317	.79235	3.2771	.28767	.18457
#1	.11526	.10457	124.60	11.629	.13952	197.52	5.7007	.00283	2.0918	.09922
#2	.11492	.10414	125.18	11.660	.14222	198.48	5.7649	.00270	2.0834	.09948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7881**	**.04428**	**8.7024**	**.00325**	**.00324**	**2.9873**	**6.3928**	**.00820**	**.88622**	**.02676**
Stddev	.0032	.00052	.0119	.00027	.00267	.0121	.0259	.00081	.00676	.00050
%RSD	.06713	1.1717	.13689	8.3142	82.590	.40462	.40462	9.9074	.76232	1.8678
#1	4.7858	.04391	8.7108	.00344	.00135	2.9787	6.3745	.00763	.88144	.02711
#2	4.7903	.04465	8.6940	.00306	.00513	2.9958	6.4111	.00878	.89100	.02641
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4008**	**-.00190**	F **-.13114**	**.14089**	**.35232**	**.07128**
Stddev	.0005	.00035	.01415	.00004	.00157	.00021
%RSD	.03836	18.263	10.788	.02728	.44687	.29068
#1	1.4011	-.00215	-.14115	.14092	.35121	.07142
#2	1.4004	-.00166	-.12114	.14087	.35343	.07113
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8124.2**	**106110.**	**7152.6**
Stddev	7.8	180.	38.8
%RSD	.09582	.17001	.54188
#1	8118.7	105980.	7180.0
#2	8129.7	106230.	7125.2

Sample Name: 280-48859-a-8-a Acquired: 11/11/2013 20:09:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**74.184**	**.01451**	**.09869**	**.58871**	**.00335**	**-.02521**	W **806.08**	**.00231**	**.04845**
Stddev	.00056	.689	.00240	.00034	.00340	.00007	.00045	6.70	.00019	.00008
%RSD	11128.	.92850	16.539	.34314	.57810	2.1678	1.8045	.83100	8.1523	.15785
#1	.00040	73.697	.01281	.09893	.58630	.00330	-.02553	810.82	.00244	.04850
#2	-.00039	74.671	.01620	.09845	.59111	.00341	-.02489	801.34	.00217	.04839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13560**	**.10292**	**126.82**	**16.941**	**.18470**	**233.40**	**5.0955**	**.00240**	**1.7283**	**.12233**
Stddev	.00003	.00001	.96	.057	.00229	2.04	.0655	.00005	.0027	.00014
%RSD	.02205	.00553	.75544	.33533	1.2405	.87356	1.2865	2.2634	.15801	.11230
#1	.13558	.10292	127.49	16.901	.18308	231.96	5.1419	.00243	1.7263	.12243
#2	.13562	.10291	126.14	16.981	.18632	234.84	5.0492	.00236	1.7302	.12223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3225**	**.04801**	**5.5426**	**.00278**	**.00031**	**3.4850**	**7.4579**	**.00731**	**.77210**	**.02893**
Stddev	.0050	.00007	.0092	.00147	.00042	.0099	.0211	.00034	.00416	.00169
%RSD	.11484	.15149	.16572	52.690	135.95	.28323	.28323	4.7040	.53935	5.8508
#1	4.3190	.04806	5.5490	.00382	.00061	3.4920	7.4728	.00707	.76916	.02773
#2	4.3260	.04796	5.5361	.00175	.00001	3.4780	7.4429	.00755	.77505	.03012
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8153**	**-.00166**	F **-.13000**	**.15756**	**.32927**	**.10377**
Stddev	.0011	.00179	.04666	.00056	.00250	.00121
%RSD	.06029	107.61	35.892	.35367	.76053	1.1665
#1	1.8160	-.00293	-.09701	.15795	.33104	.10463
#2	1.8145	-.00040	-.16299	.15717	.32750	.10292
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.6**	**106660.**	**7160.2**
Stddev	18.3	205.	49.7
%RSD	.22583	.19254	.69441
#1	8113.6	106510.	7195.3
#2	8087.7	106800.	7125.0

Sample Name: 280-48859-a-12-a Acquired: 11/11/2013 20:11:41 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**49.322**	**.03570**	**.07111**	**.43442**	**.00245**	**-.02037**	**411.81**	**.01133**	**.03636**
Stddev	.00004	.425	.00165	.00056	.00399	.00005	.00170	1.28	.00012	.00011
%RSD	1.5943	.86171	4.6101	.78893	.91890	2.0961	8.3478	.31155	1.1036	.30873
#1	.00244	49.022	.03453	.07151	.43160	.00242	-.01917	410.90	.01141	.03644
#2	.00239	49.623	.03686	.07071	.43724	.00249	-.02157	412.71	.01124	.03628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36280**	**.49156**	**126.22**	**10.579**	**.09734**	**180.59**	**2.2353**	**.01349**	**1.8336**	**.12153**
Stddev	.00072	.00049	1.50	.107	.00221	.42	.0061	.00004	.0050	.00068
%RSD	.19943	.10023	1.1893	1.0118	2.2704	.23494	.27384	.29469	.27123	.56286
#1	.36229	.49191	125.15	10.503	.09578	180.29	2.2396	.01352	1.8301	.12201
#2	.36331	.49121	127.28	10.655	.09890	180.89	2.2310	.01346	1.8371	.12105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.1463**	**.69920**	**13.613**	**.00288**	**.00226**	**3.1195**	**6.6758**	**.03580**	**.44567**	**.02195**
Stddev	.0005	.00031	.003	.00027	.00317	.0146	.0312	.00024	.00385	.00330
%RSD	.00889	.04380	.02404	9.2834	140.33	.46796	.46796	.67170	.86366	15.039
#1	5.1460	.69941	13.611	.00307	.00450	3.1298	6.6979	.03563	.44295	.02428
#2	5.1466	.69898	13.615	.00269	.00002	3.1092	6.6537	.03597	.44839	.01962
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0758**	**-.00024**	F **-.11578**	**.12485**	**1.7226**	**.04814**
Stddev	.0012	.00081	.01364	.00070	.0024	.00014
%RSD	.10692	334.51	11.782	.55672	.13810	.29315
#1	1.0750	.00033	-.12543	.12534	1.7243	.04804
#2	1.0766	-.00081	-.10614	.12436	1.7209	.04824
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8179.4**	**107220.**	**7129.3**
Stddev	27.0	2.	89.4
%RSD	.33030	.00224	1.2547
#1	8198.5	107220.	7192.5
#2	8160.3	107220.	7066.0

Sample Name: CCVH-2372891 Acquired: 11/11/2013 20:14:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00750**	**52.079**	**.00430**	**.00109**	**.00002**	**-.00009**	W **1.0775**	**.07617**	**-.00022**	**-.00010**	**-.00003**	**.01193**
Stddev	.00048	.014	.00005	.00000	.00009	.00001	.0012	.01982	.00009	.00002	.00003	.00039
%RSD	6.3519	.02667	1.2483	.07689	428.42	16.876	.11055	26.026	41.258	22.123	96.168	3.2946
#1	.00716	52.089	.00434	.00110	-.00004	-.00010	1.0766	.06216	-.00016	-.00012	-.00001	.01221
#2	.00784	52.069	.00426	.00109	.00009	-.00008	1.0783	.09019	-.00029	-.00009	-.00005	.01165
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.678**	**.05157**	**-.00090**	**.10179**	**.00108**	**-.00018**	**263.37**	**-.00025**	**-.00175**	**-.00053**	W **5.3995**	**-.00035**
Stddev	.198	.02657	.00072	.00268	.00004	.00016	.86	.00002	.00083	.00002	.0087	.00200
%RSD	.39124	51.530	79.986	2.6286	3.3797	85.790	.32601	8.9676	47.253	3.0094	.16049	574.00
#1	50.818	.07036	-.00141	.10368	.00105	-.00029	262.76	-.00023	-.00117	-.00054	5.4056	.00107
#2	50.537	.03278	-.00039	.09990	.00110	-.00007	263.98	-.00027	-.00234	-.00052	5.3934	-.00176
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00546**	**-.00629**	**-.01347**	**.00048**	**.00034**	**5.0014**	**-.01239**	**.00074**	F **6.3219**	**.00143**	**.00107**	**.06255**
Stddev	.00299	.00092	.00196	.00086	.00008	.0188	.00022	.00021	.0362	.00004	.00015	.00113
%RSD	54.857	14.570	14.570	177.29	23.827	.37629	1.7986	28.684	.57225	2.5699	13.560	1.8027
#1	-.00757	-.00694	-.01485	-.00012	.00029	4.9881	-.01255	.00059	6.2963	.00140	.00118	.06334
#2	-.00334	-.00564	-.01208	.00109	.00040	5.0147	-.01223	.00089	6.3475	.00145	.00097	.06175
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8082.4**	**107150.**	**6588.9**
Stddev	2.5	380.	3.7
%RSD	.03139	.35457	.05646
#1	8084.2	106880.	6591.5
#2	8080.6	107420.	6586.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 20:16:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50363**	**.54557**	**.99972**	**.50610**	**.50457**	**.49536**	**-.00318**	**5.1604**	**.50794**	**.50805**	**.50778**	**.50899**	**2.5164**
Stddev	.00049	.00166	.00159	.00116	.00173	.00404	.00157	.0201	.00041	.00114	.00039	.00060	.0121
%RSD	.09685	.30498	.15947	.22895	.34234	.81460	49.300	.38963	.08014	.22372	.07632	.11757	.48245
#1	.50397	.54674	.99859	.50528	.50335	.49250	-.00429	5.1462	.50766	.50885	.50805	.50856	2.5078
#2	.50328	.54439	1.0008	.50692	.50580	.49821	-.00207	5.1746	.50823	.50725	.50750	.50941	2.5250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.376**	**1.0013**	**20.059**	**.49891**	**.50993**	**5.2203**	**.51231**	**1.0049**	**1.0310**	**.18535**	**1.0157**	**1.0120**	**4.9789**
Stddev	.135	.0026	.027	.00079	.00165	.0156	.00060	.0017	.0014	.00097	.0001	.0013	.0108
%RSD	.26314	.25517	.13344	.15815	.32369	.29903	.11648	.16841	.13492	.52351	.00943	.13232	.21734
#1	51.280	.99948	20.078	.49946	.51110	5.2093	.51273	1.0037	1.0319	.18466	1.0157	1.0111	4.9865
#2	51.471	1.0031	20.041	.49835	.50877	5.2313	.51188	1.0061	1.0300	.18604	1.0158	1.0130	4.9712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.655**	**1.0301**	**.50266**	**-.00509**	**.49590**	**1.0400**	**-.00488**	**.50418**	**.50663**	**.50238**
Stddev	.023	.0003	.00263	.00150	.00023	.0008	.04075	.00077	.00003	.00030
%RSD	.21734	.02564	.52258	29.403	.04626	.07200	835.65	.15313	.00546	.05962
#1	10.671	1.0299	.50080	-.00403	.49607	1.0406	-.03369	.50473	.50661	.50216
#2	10.638	1.0302	.50452	-.00615	.49574	1.0395	.02394	.50363	.50665	.50259
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8245.8**	**110780.**	**6610.4**
Stddev	16.1	25.	19.1
%RSD	.19491	.02280	.28962
#1	8257.1	110800.	6624.0
#2	8234.4	110760.	6596.9

Sample Name: CCB Acquired: 11/11/2013 20:18:34 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00050**	W **.00505**	**.00048**	**-.00023**	**.00003**	**.00240**	F **.07577**	**.00003**	**.00026**	**.00005**	**-.00011**
Stddev	.00025	.00193	.00181	.00050	.00021	.00007	.00024	.01059	.00014	.00004	.00000	.00065
%RSD	40.982	386.67	35.754	104.89	90.780	248.40	10.048	13.973	432.55	15.170	4.4575	617.39
#1	.00044	.00186	.00377	.00083	-.00008	.00008	.00257	.08325	.00013	.00023	.00005	-.00057
#2	.00080	-.00086	.00633	.00012	-.00037	-.00002	.00223	.06828	-.00007	.00029	.00005	.00035
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441					.06900				
Low Limit			-.00441					-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01602**	**.03000**	**-.00251**	W **.01991**	W **.00042**	**.00015**	**.01996**	**.00024**	**-.00462**	**.00025**	**.18948**	F **.00749**
Stddev	.00127	.00798	.00209	.00166	.00003	.00000	.00452	.00019	.00193	.00039	.00018	.00109
%RSD	7.9015	26.603	83.394	8.3364	7.6713	2.8354	22.660	79.809	41.708	159.27	.09527	14.546
#1	.01512	.03564	-.00398	.02108	.00040	.00015	.01676	.00010	-.00326	.00052	.18961	.00672
#2	.01691	.02436	-.00103	.01873	.00044	.00015	.02316	.00037	-.00598	-.00003	.18935	.00826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01070	.00025							.00628
Low Limit				-.01070	-.00025							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00926**	**.01981**	**.00104**	**.00011**	**-.00037**	**-.00023**	**-.00026**	**.03464**	**.00026**	**.00277**	**.00118**
Stddev	.00075	.02970	.06355	.00064	.00000	.00070	.00035	.00022	.05250	.00010	.00029	.00178
%RSD	412.67	320.84	320.84	61.833	.52268	188.74	151.10	82.804	151.58	37.027	10.353	150.42
#1	.00035	.03025	.06474	.00059	.00011	.00012	.00002	-.00011	.07176	.00033	.00257	.00244
#2	-.00071	-.01174	-.02513	.00149	.00011	-.00086	-.00048	-.00042	-.00249	.00019	.00298	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8276.2**	**111040.**	**6489.9**
Stddev	50.1	479.	32.5
%RSD	.60533	.43110	.50150
#1	8240.7	110700.	6512.9
#2	8311.6	111380.	6466.9

Sample Name: CCVL2372865 Acquired: 11/11/2013 20:20:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01150**	**.10992**	**.01684**	**.10220**	**.01027**	**.00099**	F **.13066**	**.23686**	**.00531**	**.01136**	**.01080**	**.01586**	**.10920**
Stddev	.00037	.00007	.00160	.00054	.00035	.00006	.00189	.00121	.00002	.00013	.00002	.00003	.00065
%RSD	3.2514	.06489	9.4970	.52562	3.4373	6.0668	1.4475	.51090	.38619	1.1112	.15323	.17475	.59597
#1	.01176	.10997	.01798	.10182	.01002	.00103	.13200	.23600	.00532	.01145	.01079	.01584	.10874
#2	.01123	.10987	.01571	.10258	.01052	.00095	.12932	.23771	.00529	.01127	.01081	.01588	.10966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2184**	**.01148**	**.22017**	**.01073**	**.02096**	**1.1133**	**.04468**	**3.0529**	**.01004**	**.17003**	**.01065**	**.01486**	**.53628**
Stddev	.0135	.00265	.00170	.00002	.00015	.0075	.00007	.0048	.00122	.00195	.00020	.00141	.01609
%RSD	.42003	23.126	.77349	.22127	.72993	.67496	.15763	.15787	12.172	1.1450	1.9095	9.4613	2.9997
#1	3.2279	.01335	.22137	.01074	.02107	1.1186	.04473	3.0495	.00918	.17141	.01079	.01387	.52490
#2	3.2088	.00960	.21897	.01071	.02085	1.1080	.04463	3.0564	.01090	.16866	.01050	.01586	.54765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1476**	**.10827**	**.01087**	**.01657**	**.00965**	**.01710**	**.06366**	**.01105**	**.02355**	**.01704**
Stddev	.0344	.00023	.00005	.00110	.00016	.00048	.00504	.00002	.00020	.00242
%RSD	2.9997	.21692	.41802	6.6257	1.6896	2.8311	7.9143	.13759	.85226	14.211
#1	1.1233	.10844	.01083	.01580	.00977	.01744	.06723	.01104	.02341	.01533
#2	1.1720	.10811	.01090	.01735	.00954	.01676	.06010	.01106	.02370	.01876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8467.0**	**113780.**	**6578.8**
Stddev	9.0	159.	90.2
%RSD	.10580	.13986	1.3712
#1	8460.7	113670.	6642.6
#2	8473.3	113900.	6515.0

Sample Name: 280-48859-a-13-c Acquired: 11/11/2013 20:23:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00546**	**71.718**	**.04688**	**.06997**	**.62769**	**.00348**	**-.02024**	**409.36**	**.02009**	**.05259**
Stddev	.00009	.386	.00236	.00043	.00017	.00002	.00065	12.16	.00015	.00002
%RSD	1.5838	.53811	5.0442	.61290	.02745	.66542	3.2210	2.9715	.74667	.04232
#1	.00540	71.991	.04521	.07028	.62781	.00346	-.02070	417.96	.01998	.05258
#2	.00552	71.445	.04855	.06967	.62757	.00350	-.01977	400.76	.02020	.05261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66745**	**.66077**	**136.22**	**13.117**	**.13761**	**199.20**	**2.9817**	**.01640**	**1.7542**	**.17916**
Stddev	.00045	.00536	.77	.052	.00109	.41	.0047	.00010	.0027	.00006
%RSD	.06688	.81192	.56497	.40029	.79107	.20535	.15815	.61283	.15438	.03421
#1	.66776	.65698	136.77	13.154	.13684	199.49	2.9850	.01647	1.7561	.17920
#2	.66713	.66457	135.68	13.079	.13838	198.91	2.9784	.01633	1.7523	.17912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.3595**	**1.3283**	**13.446**	**.00342**	**.00267**	**2.7775**	**5.9438**	**.05766**	**.52770**	**.02582**
Stddev	.0249	.0046	.021	.00097	.00120	.0255	.0545	.00145	.00006	.00147
%RSD	.33796	.34945	.15829	28.428	45.006	.91650	.91650	2.5071	.01220	5.6819
#1	7.3771	1.3316	13.461	.00273	.00182	2.7955	5.9823	.05868	.52774	.02686
#2	7.3419	1.3250	13.431	.00411	.00352	2.7595	5.9053	.05663	.52765	.02478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1599**	**-.00080**	F **-.14013**	**.15740**	**3.0169**	**.05297**
Stddev	.0068	.00016	.02069	.00117	.0180	.00022
%RSD	.58893	19.610	14.765	.74591	.59802	.40771
#1	1.1551	-.00091	-.15476	.15657	3.0041	.05313
#2	1.1648	-.00069	-.12550	.15823	3.0296	.05282
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8275.3**	**107960.**	**7149.6**
Stddev	3.9	304.	297.2
%RSD	.04659	.28170	4.1570
#1	8278.1	108170.	6939.4
#2	8272.6	107740.	7359.8

Sample Name: 280-48859-a-15-c Acquired: 11/11/2013 20:25:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**44.455**	**.01477**	**.07448**	**.52298**	**.00200**	**-.01438**	W **709.79**	**.00413**	**.03226**
Stddev	.00043	.006	.00195	.00064	.00025	.00004	.00068	.80	.00022	.00013
%RSD	116.19	.01352	13.216	.85878	.04768	1.9141	4.7130	.11332	5.2372	.41120
#1	.00067	44.450	.01339	.07403	.52280	.00198	-.01390	710.36	.00429	.03235
#2	.00007	44.459	.01615	.07494	.52316	.00203	-.01486	709.23	.00398	.03216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15768**	**.12363**	**84.814**	**9.0683**	**.10458**	**156.29**	**3.1944**	**.00486**	**1.3696**	**.08340**
Stddev	.00015	.00014	.027	.0460	.00341	1.14	.0203	.00026	.0096	.00000
%RSD	.09800	.11256	.03239	.50685	3.2629	.72725	.63614	5.4252	.70318	.00497
#1	.15757	.12373	84.833	9.0358	.10699	155.49	3.1800	.00505	1.3764	.08340
#2	.15779	.12353	84.795	9.1008	.10217	157.10	3.2088	.00467	1.3628	.08340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2980**	**.20963**	**16.016**	**.00063**	**-.00004**	**3.5909**	**7.6844**	**.00987**	**.76795**	**.01684**
Stddev	.0016	.00021	.003	.00249	.00064	.0342	.0731	.00001	.00035	.00072
%RSD	.03805	.09894	.01825	392.38	1454.6	.95180	.95180	.06282	.04578	4.2768
#1	4.2991	.20978	16.014	.00239	.00041	3.6150	7.7361	.00987	.76770	.01735
#2	4.2968	.20949	16.018	-.00112	-.00049	3.5667	7.6327	.00988	.76820	.01633
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1209**	**-.00043**	F **-.10374**	**.11387**	**.49242**	**.05337**
Stddev	.0005	.00030	.03859	.00086	.00275	.00011
%RSD	.04093	69.809	37.201	.75360	.55848	.20861
#1	1.1212	-.00022	-.13103	.11326	.49048	.05344
#2	1.1206	-.00064	-.07645	.11447	.49437	.05329
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8044.7**	**105020.**	**6935.5**
Stddev	15.8	281.	5.5
%RSD	.19677	.26795	.07964
#1	8033.5	105220.	6931.6
#2	8055.9	104820.	6939.4

Sample Name: 280-48859-a-17-a Acquired: 11/11/2013 20:28:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**64.250**	**.01709**	**.09550**	**.59491**	**.00291**	**-.02305**	W **774.24**	**.00424**	**.04125**
Stddev	.00039	.087	.00153	.00065	.00080	.00001	.00223	4.22	.00011	.00001
%RSD	55.245	.13507	8.9722	.67620	.13518	.44948	9.6733	.54522	2.6453	.02430
#1	.00043	64.311	.01818	.09505	.59434	.00291	-.02463	771.25	.00432	.04125
#2	.00097	64.188	.01601	.09596	.59548	.00292	-.02147	777.22	.00416	.04126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19358**	**.12731**	**120.22**	**13.833**	**.14569**	**200.16**	**5.0775**	**.00424**	**1.5470**	**.10462**
Stddev	.00021	.00032	.27	.033	.00037	2.22	.0161	.00011	.0083	.00048
%RSD	.11018	.24776	.22044	.23547	.25257	1.1080	.31761	2.6845	.53920	.45994
#1	.19373	.12709	120.41	13.856	.14595	198.59	5.0889	.00416	1.5411	.10496
#2	.19343	.12754	120.04	13.810	.14543	201.73	5.0661	.00432	1.5529	.10428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4069**	**.18744**	**10.599**	**.00220**	**-.00186**	**3.5979**	**7.6994**	**.01144**	**.83378**	**.02909**
Stddev	.0088	.00074	.010	.00153	.00143	.0187	.0400	.00005	.00183	.00172
%RSD	.19863	.39336	.09864	69.343	76.938	.51935	.51935	.44814	.21949	5.9030
#1	4.4131	.18796	10.591	.00328	-.00287	3.5847	7.6712	.01148	.83508	.03030
#2	4.4007	.18692	10.606	.00112	-.00085	3.6111	7.7277	.01141	.83249	.02787
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5745**	**-.00297**	F **-.17267**	**.14758**	**.52567**	**.07770**
Stddev	.0015	.00061	.00124	.00020	.00056	.00268
%RSD	.09841	20.496	.71957	.13834	.10658	3.4499
#1	1.5734	-.00254	-.17179	.14743	.52527	.07581
#2	1.5756	-.00340	-.17355	.14772	.52606	.07960
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8052.8**	**105260.**	**6991.7**
Stddev	10.4	158.	35.9
%RSD	.12924	.14969	.51286
#1	8060.2	105150.	6966.3
#2	8045.5	105380.	7017.0

Sample Name: 280-48859-a-17-aSD@5 Acquired: 11/11/2013 20:30:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**13.360**	**.00679**	**.02030**	**.12394**	**.00056**	**-.00405**	**169.17**	**.00111**	**.00910**
Stddev	.00014	.067	.00008	.00012	.00053	.00006	.00467	.63	.00001	.00012
%RSD	20.847	.49853	1.1553	.59051	.43045	9.9925	115.56	.36976	1.1921	1.2944
#1	.00056	13.313	.00674	.02039	.12357	.00052	-.00074	168.72	.00112	.00902
#2	.00075	13.407	.00685	.02022	.12432	.00060	-.00735	169.61	.00110	.00919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04090**	**.02644**	**25.127**	**2.7869**	**.02866**	**42.119**	**1.0820**	**.00063**	**.31687**	**.02317**
Stddev	.00006	.00009	.116	.0334	.00361	.097	.0007	.00021	.00367	.00017
%RSD	.15378	.35570	.46125	1.1985	12.584	.23061	.06149	33.601	1.1592	.73201
#1	.04085	.02651	25.045	2.7633	.02611	42.187	1.0815	.00048	.31427	.02305
#2	.04094	.02637	25.209	2.8105	.03121	42.050	1.0825	.00077	.31947	.02329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88855**	**.04134**	**2.2585**	**-.00115**	**-.00228**	**.74947**	**1.6039**	**.00453**	**.17332**	**.00641**
Stddev	.00239	.00006	.0066	.00247	.00092	.00504	.0108	.00046	.00070	.00265
%RSD	.26880	.14643	.29377	214.63	40.344	.67221	.67221	10.241	.40613	41.305
#1	.89024	.04130	2.2538	.00059	-.00163	.75303	1.6115	.00420	.17282	.00454
#2	.88686	.04138	2.2632	-.00289	-.00293	.74591	1.5962	.00486	.17381	.00828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32288**	**-.00001**	**-.02167**	**.03080**	**.11842**	**.01656**
Stddev	.00018	.00011	.01473	.00062	.00037	.00035
%RSD	.05727	1987.2	67.974	1.9998	.31172	2.1271
#1	.32301	.00007	-.01125	.03036	.11868	.01681
#2	.32275	-.00008	-.03208	.03123	.11816	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8257.9**	**108950.**	**6717.1**
Stddev	14.1	127.	3.3
%RSD	.17129	.11630	.04974
#1	8267.9	108860.	6719.4
#2	8247.9	109030.	6714.7

Sample Name: 280-48859-a-17-b ms Acquired: 11/11/2013 20:32:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04883**	**110.48**	**.92574**	**1.0331**	**2.5985**	**.04806**	F **1.9693**	W **833.18**	**.10012**	**.45734**
Stddev	.00054	.63	.00279	.0004	.0105	.00019	.0044	2.99	.00036	.00044
%RSD	1.0993	.56782	.30154	.03350	.40309	.38733	.22118	.35854	.36375	.09526
#1	.04845	110.03	.92377	1.0328	2.5911	.04792	1.9662	831.07	.09987	.45703
#2	.04921	110.92	.92771	1.0333	2.6059	.04819	1.9724	835.30	.10038	.45764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40590**	**.37079**	**127.21**	**78.756**	**1.1118**	**243.38**	**5.5001**	**.88440**	**53.143**	**.52321**
Stddev	.00098	.00069	.05	.333	.0033	1.65	.0116	.00198	.403	.00087
%RSD	.24066	.18480	.03784	.42249	.29476	.67635	.21014	.22433	.75770	.16638
#1	.40521	.37030	127.17	78.521	1.1095	242.22	5.5082	.88300	52.858	.52260
#2	.40659	.37127	127.24	78.991	1.1141	244.54	5.4919	.88581	53.427	.52383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.539**	**.59124**	**13.833**	**.26575**	**1.7590**	**5.4296**	**11.619**	**1.6694**	**1.8178**	**.94693**
Stddev	.032	.00159	.021	.00036	.0035	.0201	.043	.0061	.0064	.00290
%RSD	.23957	.26945	.15180	.13533	.19925	.36985	.36985	.36707	.35141	.30615
#1	13.516	.59236	13.818	.26601	1.7565	5.4154	11.589	1.6651	1.8133	.94488
#2	13.562	.59011	13.848	.26550	1.7615	5.4437	11.650	1.6738	1.8223	.94898
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3666**	**1.5101**	**1.8079**	**.67796**	**.98587**	**.56820**
Stddev	.0062	.0013	.0385	.00013	.00376	.00468
%RSD	.18351	.08749	2.1298	.01967	.38159	.82427
#1	3.3622	1.5110	1.8351	.67805	.98321	.56489
#2	3.3709	1.5091	1.7806	.67787	.98853	.57151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8012.0**	**104070.**	**6938.2**
Stddev	2.6	443.	2.2
%RSD	.03277	.42586	.03118
#1	8010.2	104390.	6936.6
#2	8013.9	103760.	6939.7

Sample Name: 280-48859-a-17-c msd Acquired: 11/11/2013 20:35:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04958**	**106.73**	**.93326**	**1.0276**	**2.5965**	**.04849**	F **1.9888**	W **842.74**	**.10086**	**.45862**
Stddev	.00054	.20	.00329	.0020	.0098	.00026	.0032	19.11	.00012	.00006
%RSD	1.0809	.18760	.35207	.19865	.37670	.54576	.16239	2.2679	.12038	.01210
#1	.04920	106.87	.93094	1.0290	2.6034	.04868	1.9911	829.23	.10078	.45866
#2	.04996	106.59	.93558	1.0261	2.5896	.04830	1.9865	856.26	.10095	.45858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41383**	**.37372**	**126.25**	**77.941**	**1.1168**	**245.91**	**5.4206**	**.88212**	**53.563**	**.52797**
Stddev	.00063	.00174	.57	.238	.0074	.59	.0004	.00470	.352	.00179
%RSD	.15238	.46484	.44962	.30523	.66109	.23998	.00775	.53323	.65745	.33910
#1	.41428	.37495	126.65	78.109	1.1220	245.49	5.4203	.88545	53.812	.52924
#2	.41339	.37249	125.85	77.773	1.1116	246.33	5.4209	.87879	53.314	.52671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.634**	**.61412**	**13.564**	**.27055**	**1.7760**	**5.6520**	**12.095**	**1.6693**	**1.8210**	**.95105**
Stddev	.018	.00284	.051	.00316	.0021	.1244	.266	.0064	.0079	.00062
%RSD	.13228	.46174	.37537	1.1697	.11609	2.2015	2.2015	.38534	.43482	.06497
#1	13.646	.61612	13.528	.27279	1.7775	5.7400	12.284	1.6739	1.8266	.95148
#2	13.621	.61211	13.600	.26831	1.7745	5.5641	11.907	1.6648	1.8154	.95061
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2934**	**1.5277**	**1.7790**	**.67296**	**.98270**	**.56097**
Stddev	.0022	.0018	.0025	.00134	.00229	.00191
%RSD	.06651	.11893	.14235	.19986	.23304	.34051
#1	3.2949	1.5264	1.7772	.67391	.98432	.56232
#2	3.2918	1.5290	1.7808	.67201	.98108	.55962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.1**	**104380.**	**6963.1**
Stddev	37.9	75.	57.2
%RSD	.47194	.07187	.82215
#1	8002.4	104430.	7003.6
#2	8055.9	104330.	6922.7

Sample Name: 280-48859-a-19-a Acquired: 11/11/2013 20:37:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**69.158**	**.01578**	**.09390**	**.54227**	**.00315**	**-.02100**	W **782.21**	**.00221**	**.04411**
Stddev	.00031	.621	.00024	.00044	.00786	.00008	.00360	14.38	.00006	.00026
%RSD	392.29	.89743	1.5259	.46892	1.4495	2.5024	17.164	1.8387	2.6237	.60067
#1	.00014	69.596	.01595	.09421	.54783	.00321	-.01845	772.04	.00217	.04429
#2	-.00030	68.719	.01561	.09359	.53671	.00309	-.02355	792.38	.00225	.04392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12498**	**.09557**	**115.41**	**16.081**	**.17698**	**223.03**	**4.3712**	**.00335**	**1.5746**	**.11339**
Stddev	.00051	.00077	.49	.127	.00110	1.70	.0021	.00012	.0298	.00003
%RSD	.41003	.81021	.42602	.78987	.62208	.76022	.04788	3.4915	1.8953	.03071
#1	.12534	.09612	115.75	16.171	.17776	224.23	4.3697	.00327	1.5957	.11336
#2	.12462	.09502	115.06	15.991	.17620	221.84	4.3727	.00343	1.5535	.11341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9645**	**.04167**	**5.3411**	**.00362**	**-.00092**	**4.1409**	**8.8616**	**.00804**	**.75620**	**.02906**
Stddev	.0133	.00147	.0188	.00046	.00102	.0075	.0160	.00005	.00917	.00094
%RSD	.33640	3.5284	.35115	12.601	110.34	.18090	.18090	.63853	1.2128	3.2272
#1	3.9739	.04064	5.3544	.00330	-.00165	4.1356	8.8502	.00801	.76268	.02839
#2	3.9551	.04271	5.3278	.00394	-.00020	4.1462	8.8729	.00808	.74971	.02972
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7768**	**-.00132**	F **-.10940**	**.15295**	**.30078**	**.10035**
Stddev	.0058	.00017	.03521	.00071	.00126	.00177
%RSD	.32680	12.951	32.187	.46489	.41941	1.7643
#1	1.7809	-.00144	-.08450	.15345	.30167	.10160
#2	1.7727	-.00120	-.13430	.15245	.29988	.09910
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8069.8**	**105330.**	**6969.2**
Stddev	24.0	4.	70.9
%RSD	.29795	.00347	1.0179
#1	8086.8	105330.	6919.1
#2	8052.8	105320.	7019.4

Sample Name: CCVH-2372891 Acquired: 11/11/2013 20:39:56 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**51.938**	**.00208**	**.00211**	**.00029**	**-.00005**	W **1.0794**	**.20151**	**-.00025**	**-.00022**	**.00005**	**.01178**
Stddev	.00020	.375	.00155	.00030	.00024	.00002	.0012	.00241	.00010	.00003	.00002	.00029
%RSD	2.6003	.72188	74.552	14.402	83.284	43.628	.11291	1.1973	39.576	13.209	35.138	2.4460
#1	.00749	51.673	.00317	.00233	.00012	-.00006	1.0785	.20322	-.00032	-.00024	.00006	.01198
#2	.00777	52.204	.00098	.00190	.00045	-.00003	1.0802	.19981	-.00018	-.00020	.00004	.01158
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.685**	**.05496**	**-.00122**	**.12558**	**.00165**	**.00005**	**263.09**	**-.00030**	**.00056**	**.00135**	W **5.3313**	**-.00005**
Stddev	.318	.03286	.00054	.00358	.00005	.00003	1.38	.00007	.00100	.00038	.0053	.00305
%RSD	.62785	59.783	44.383	2.8518	3.0074	55.882	.52547	21.919	179.45	27.997	.10038	6050.0
#1	50.460	.07820	-.00084	.12811	.00169	.00003	262.11	-.00034	-.00015	.00161	5.3351	.00211
#2	50.910	.03173	-.00160	.12305	.00162	.00007	264.07	-.00025	.00127	.00108	5.3275	-.00221
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00480**	**.01018**	**.02178**	**.00059**	**.00050**	**5.0182**	**-.01180**	**.00068**	F **6.3002**	**.00132**	**.00088**	**.06146**
Stddev	.00004	.00026	.00055	.00011	.00009	.0140	.00025	.00132	.0043	.00028	.00013	.00047
%RSD	.83255	2.5397	2.5397	18.527	17.730	.27909	2.1575	194.54	.06901	20.942	14.494	.75915
#1	-.00483	.00999	.02138	.00051	.00044	5.0083	-.01162	.00161	6.2972	.00151	.00079	.06113
#2	-.00477	.01036	.02217	.00066	.00056	5.0281	-.01198	-.00025	6.3033	.00112	.00097	.06179
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8190.6**	**108280.**	**6732.5**
Stddev	14.9	563.	80.3
%RSD	.18196	.51982	1.1924
#1	8201.1	108670.	6789.3
#2	8180.0	107880.	6675.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 20:42:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50896**	**.54115**	**1.0098**	**.51208**	**.50643**	**.49616**	**-.00362**	**5.1552**	**.51067**	**.50972**	**.51055**	**.51403**	**2.5025**
Stddev	.00131	.00017	.0023	.00438	.00347	.00345	.00279	.0467	.00030	.00084	.00044	.00130	.0224
%RSD	.25809	.03130	.22649	.85513	.68472	.69546	77.229	.90523	.05912	.16393	.08629	.25205	.89519
#1	.50803	.54127	1.0114	.51517	.50398	.49372	-.00164	5.1222	.51046	.50913	.51024	.51311	2.4867
#2	.50989	.54103	1.0082	.50898	.50888	.49860	-.00559	5.1882	.51088	.51031	.51086	.51495	2.5184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.499**	**1.0037**	**20.167**	**.50219**	**.51423**	**5.2026**	**.51384**	**1.0164**	**1.0401**	**.11710**	**1.0220**	**1.0264**	**4.9427**
Stddev	.347	.0072	.069	.00019	.00360	.0253	.00005	.0057	.0021	.00073	.0020	.0029	.0855
%RSD	.67466	.71293	.33964	.03832	.69950	.48552	.00948	.56329	.20443	.61999	.19989	.28117	1.7300
#1	51.254	.99864	20.119	.50205	.51677	5.1847	.51380	1.0204	1.0416	.11761	1.0205	1.0243	4.8823
#2	51.745	1.0088	20.216	.50233	.51168	5.2205	.51387	1.0123	1.0386	.11658	1.0234	1.0284	5.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.577**	**1.0366**	**.50399**	**-.00429**	**.49952**	**1.0492**	**-.00607**	**.50490**	**.50957**	**.50394**
Stddev	.183	.0007	.00395	.00049	.00020	.0011	.01485	.00037	.00027	.00893
%RSD	1.7300	.06758	.78449	11.518	.03962	.10645	244.56	.07237	.05345	1.7728
#1	10.448	1.0371	.50119	-.00394	.49966	1.0500	-.01657	.50464	.50938	.49762
#2	10.707	1.0361	.50678	-.00464	.49938	1.0484	.00443	.50516	.50976	.51025
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8342.3**	**111010.**	**6737.6**
Stddev	13.7	446.	33.4
%RSD	.16429	.40171	.49576
#1	8332.7	111320.	6761.2
#2	8352.0	110690.	6713.9

Sample Name: CCB Acquired: 11/11/2013 20:44:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.01534**	**.00149**	**.00090**	**.00040**	**.00006**	**-.00099**	F **.29118**	**.00010**	**.00020**	**.00016**	**-.00003**
Stddev	.00045	.00001	.00101	.00054	.00014	.00006	.00001	.01581	.00005	.00015	.00009	.00051
%RSD	68.969	.06657	67.790	60.318	36.473	98.360	.99868	5.4301	47.807	73.207	57.880	1648.8
#1	.00096	.01535	.00220	.00129	.00029	.00010	-.00099	.30236	.00013	.00030	.00009	.00033
#2	.00033	.01533	.00077	.00052	.00050	.00002	-.00100	.28000	.00007	.00010	.00022	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.06900				
Low Limit								-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.04962**	**.08043**	**-.00092**	F **.06933**	F **.00181**	**.00049**	**.02701**	**.00041**	**-.00249**	**-.00043**	**.12158**	F **.00755**
Stddev	.00472	.01865	.00150	.00200	.00006	.00020	.02195	.00026	.00041	.00072	.00399	.00218
%RSD	9.5106	23.193	161.97	2.8843	3.4884	41.227	81.290	61.705	16.289	167.82	3.2849	28.895
#1	.05296	.09362	.00013	.07074	.00186	.00035	.04253	.00060	-.00221	-.00093	.11875	.00600
#2	.04628	.06724	-.00198	.06791	.00177	.00064	.01148	.00023	-.00278	.00008	.12440	.00909
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.03000			.02140	.00050							.00628
Low Limit	-.03000			-.02140	-.00050							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**-.00135**	**-.00290**	**.00064**	F **.00053**	**.00090**	**.00043**	**-.00034**	**.01962**	**.00021**	**.00285**	W **.00397**
Stddev	.00078	.00402	.00861	.00028	.00003	.00050	.00006	.00009	.01874	.00016	.00018	.00037
%RSD	32.502	297.08	297.08	44.314	5.6745	54.823	13.624	27.229	95.525	75.900	6.1992	9.2197
#1	.00186	-.00420	-.00899	.00083	.00051	.00125	.00047	-.00041	.03287	.00010	.00298	.00371
#2	.00296	.00149	.00319	.00044	.00055	.00055	.00039	-.00028	.00637	.00033	.00273	.00423
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00050							.00238
Low Limit					-.00050							-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8324.1**	**112540.**	**6612.3**
Stddev	18.9	470.	46.2
%RSD	.22692	.41794	.69840
#1	8310.7	112210.	6579.6
#2	8337.5	112880.	6644.9

Sample Name: CCVL2372865 Acquired: 11/11/2013 20:46:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.12048**	**.01526**	**.10110**	**.01083**	**.00099**	**.12292**	F **.34661**	**.00522**	**.01096**	**.01070**	**.01556**	**.12713**
Stddev	.00041	.00285	.00024	.00009	.00009	.00002	.00044	.00631	.00001	.00013	.00001	.00015	.00464
%RSD	3.7486	2.3662	1.5597	.09135	.84451	2.0629	.35767	1.8191	.15206	1.1470	.05934	.95455	3.6488
#1	.01059	.12250	.01543	.10116	.01076	.00098	.12261	.34215	.00522	.01104	.01070	.01566	.12385
#2	.01117	.11847	.01509	.10103	.01089	.00101	.12324	.35106	.00521	.01087	.01071	.01545	.13041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000					
Range								30.000%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1757**	F **.00662**	**.24980**	**.01135**	**.02088**	**1.0942**	**.04324**	**3.0044**	**.00984**	**.12141**	**.01045**	**.01224**	**.52649**
Stddev	.0403	.00064	.00101	.00006	.00002	.0029	.00002	.0059	.00105	.00111	.00050	.00233	.01283
%RSD	1.2673	9.6491	.40512	.54139	.11507	.26607	.04971	.19656	10.715	.91832	4.8244	19.069	2.4365
#1	3.1472	.00617	.25052	.01131	.02090	1.0921	.04325	3.0086	.00909	.12062	.01010	.01389	.53556
#2	3.2041	.00707	.24909	.01139	.02086	1.0962	.04322	3.0002	.01058	.12220	.01081	.01059	.51742
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1267**	**.10767**	**.01063**	**.01441**	**.00993**	**.01614**	F **.09297**	**.01053**	**.02497**	**.01660**
Stddev	.0274	.00010	.00010	.00069	.00012	.00061	.03569	.00040	.00050	.00252
%RSD	2.4365	.08914	.96665	4.7626	1.2227	3.7590	38.394	3.8377	2.0125	15.174
#1	1.1461	.10760	.01056	.01490	.00984	.01657	.11820	.01082	.02533	.01482
#2	1.1073	.10774	.01070	.01393	.01002	.01571	.06773	.01025	.02462	.01838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8304.1**	**111360.**	**6435.0**
Stddev	22.1	330.	6.5
%RSD	.26656	.29623	.10057
#1	8319.8	111120.	6439.5
#2	8288.5	111590.	6430.4

Sample Name: 280-48859-a-21-a Acquired: 11/11/2013 20:49:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**84.866**	**.01658**	**.11003**	**.53004**	**.00389**	**-.02588**	W **649.63**	**.00207**	**.05158**
Stddev	.00023	.186	.00329	.00024	.00151	.00004	.00308	4.18	.00016	.00027
%RSD	431.79	.21965	19.848	.21758	.28518	1.0440	11.909	.64317	7.6310	.52013
#1	-.00021	84.734	.01891	.11020	.52897	.00392	-.02370	646.67	.00195	.05177
#2	.00011	84.997	.01425	.10986	.53111	.00386	-.02806	652.58	.00218	.05139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15363**	**.11139**	**129.49**	**19.923**	**.21180**	**238.07**	**4.3768**	**.00336**	**1.5987**	**.13584**
Stddev	.00013	.00053	.77	.086	.00105	.27	.0090	.00018	.0260	.00021
%RSD	.08630	.47360	.59616	.42947	.49399	.11279	.20614	5.4147	1.6236	.15323
#1	.15372	.11102	130.04	19.862	.21254	238.26	4.3832	.00323	1.6170	.13599
#2	.15353	.11177	128.95	19.983	.21106	237.88	4.3704	.00349	1.5803	.13569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9743**	**.05123**	**5.0013**	**.00152**	**-.00083**	**3.9385**	**8.4284**	**.00849**	**.64970**	**.03850**
Stddev	.0032	.00005	.0109	.00144	.00254	.0424	.0907	.00013	.00268	.00217
%RSD	.08009	.09151	.21807	94.330	305.88	1.0758	1.0758	1.5004	.41294	5.6476
#1	3.9765	.05127	4.9936	.00051	-.00262	3.9685	8.4925	.00858	.64780	.03696
#2	3.9720	.05120	5.0090	.00254	.00096	3.9085	8.3643	.00840	.65160	.04003
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0290**	**-.00159**	F **-.18620**	**.17713**	**.32716**	**.12313**
Stddev	.0003	.00087	.02094	.00023	.00078	.00025
%RSD	.01468	54.869	11.247	.13235	.23783	.20114
#1	2.0292	-.00097	-.17139	.17696	.32771	.12295
#2	2.0288	-.00220	-.20100	.17730	.32661	.12330
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8041.6**	**105170.**	**6868.6**
Stddev	2.7	144.	45.7
%RSD	.03382	.13738	.66569
#1	8043.5	105070.	6901.0
#2	8039.6	105280.	6836.3

Sample Name: 280-48859-a-23-c Acquired: 11/11/2013 20:51:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00524**	**72.051**	**.04584**	**.08290**	**.58130**	**.00337**	**-.02240**	**383.63**	**.01897**	**.04806**
Stddev	.00013	.187	.00206	.00003	.00164	.00003	.00037	2.28	.00001	.00022
%RSD	2.3936	.25909	4.4889	.03626	.28293	.96190	1.6421	.59486	.06173	.46528
#1	.00515	71.919	.04438	.08288	.58014	.00335	-.02214	382.02	.01896	.04821
#2	.00533	72.183	.04729	.08292	.58247	.00339	-.02266	385.25	.01898	.04790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61571**	**.63044**	**131.79**	**14.568**	**.13467**	**186.52**	**2.7717**	**.01546**	**1.7307**	**.16939**
Stddev	.00016	.00053	.11	.032	.00187	1.55	.0643	.00025	.0108	.00004
%RSD	.02676	.08433	.08628	.22198	1.3856	.82878	2.3197	1.6166	.62514	.02569
#1	.61583	.63082	131.87	14.546	.13599	187.61	2.8172	.01528	1.7230	.16942
#2	.61559	.63007	131.71	14.591	.13335	185.42	2.7263	.01564	1.7383	.16936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6270**	**1.1727**	**12.653**	**.00246**	**-.00025**	**3.3602**	**7.1909**	**.04581**	**.48240**	**.02748**
Stddev	.0006	.0004	.012	.00239	.00202	.0024	.0051	.00017	.00152	.00070
%RSD	.00956	.03574	.09579	97.197	820.31	.07117	.07117	.36600	.31470	2.5337
#1	6.6265	1.1724	12.662	.00077	.00118	3.3585	7.1873	.04569	.48133	.02699
#2	6.6274	1.1730	12.645	.00415	-.00167	3.3619	7.1945	.04593	.48347	.02797
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2936**	**-.00141**	F **-.12693**	**.16018**	**2.7668**	**.06003**
Stddev	.0060	.00074	.04881	.00075	.0019	.00349
%RSD	.46553	52.707	38.454	.46721	.06943	5.8178
#1	1.2894	-.00194	-.09242	.16071	2.7655	.05756
#2	1.2979	-.00089	-.16145	.15965	2.7682	.06250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8194.3**	**106140.**	**6912.6**
Stddev	16.7	204.	4.0
%RSD	.20339	.19196	.05807
#1	8206.1	106000.	6915.4
#2	8182.5	106290.	6909.8

Sample Name: 280-48859-a-24-a Acquired: 11/11/2013 20:54:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**68.886**	**.01091**	**.08429**	**.57037**	**.00323**	**-.02090**	W **841.56**	**.00226**	**.04859**
Stddev	.00016	.045	.00430	.00006	.00290	.00003	.00095	12.01	.00012	.00033
%RSD	44.894	.06524	39.441	.07311	.50821	1.0024	4.5446	1.4275	5.3325	.68612
#1	-.00024	68.855	.00787	.08424	.56832	.00326	-.02157	850.05	.00235	.04883
#2	-.00046	68.918	.01395	.08433	.57242	.00321	-.02023	833.06	.00218	.04836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13142**	**.10522**	**120.56**	**15.206**	**.17870**	**241.26**	**4.7703**	**.00331**	**1.5151**	**.12438**
Stddev	.00071	.00016	.01	.065	.00060	1.40	.0365	.00008	.0071	.00074
%RSD	.53754	.15661	.01146	.42728	.33545	.58031	.76424	2.3769	.46564	.59871
#1	.13192	.10511	120.57	15.160	.17828	242.25	4.7961	.00337	1.5201	.12490
#2	.13092	.10534	120.55	15.252	.17913	240.27	4.7445	.00326	1.5101	.12385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3682**	**.05010**	**5.7490**	**-.00046**	**.00078**	**4.1644**	**8.9118**	**.00684**	**.80711**	**.03574**
Stddev	.0255	.00147	.0431	.00130	.00108	.1166	.2494	.00004	.00305	.00032
%RSD	.58330	2.9266	.74942	285.28	138.37	2.7989	2.7989	.57399	.37826	.90164
#1	4.3862	.05114	5.7794	.00046	.00002	4.0820	8.7355	.00687	.80496	.03551
#2	4.3502	.04906	5.7185	-.00138	.00155	4.2468	9.0882	.00681	.80927	.03597
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6326**	**-.00152**	F **-.16870**	**.15405**	**.33126**	**.09783**
Stddev	.0032	.00014	.00782	.00053	.00057	.00039
%RSD	.19483	9.3120	4.6329	.34316	.17324	.39716
#1	1.6303	-.00162	-.16318	.15367	.33085	.09756
#2	1.6348	-.00142	-.17423	.15442	.33167	.09811
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7983.5**	**103750.**	**6909.9**
Stddev	3.4	411.	11.0
%RSD	.04284	.39573	.15935
#1	7981.1	103460.	6902.1
#2	7985.9	104040.	6917.7

Sample Name: 280-48859-a-25-a Acquired: 11/11/2013 20:56:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**52.461**	**.03095**	**.07101**	**.50679**	**.00300**	**-.01441**	**390.07**	**.01056**	**.03580**
Stddev	.00053	.324	.00250	.00061	.00452	.00006	.00012	4.97	.00008	.00020
%RSD	20.826	.61683	8.0646	.86367	.89177	2.1428	.81282	1.2747	.74508	.55609
#1	.00219	52.689	.02919	.07144	.50999	.00304	-.01449	393.59	.01051	.03566
#2	.00294	52.232	.03272	.07057	.50360	.00295	-.01432	386.55	.01062	.03594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35287**	**.47565**	**94.776**	**10.419**	**.09968**	**184.92**	**2.1062**	**.01575**	**1.5818**	**.13001**
Stddev	.00109	.00037	1.114	.038	.00004	1.91	.0066	.00010	.0004	.00097
%RSD	.30957	.07723	1.1758	.36173	.04323	1.0337	.31281	.66335	.02806	.74544
#1	.35364	.47539	95.564	10.446	.09971	183.57	2.1016	.01583	1.5814	.12933
#2	.35210	.47591	93.988	10.392	.09965	186.27	2.1109	.01568	1.5821	.13070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.2119**	**.77087**	**11.743**	**.00302**	**.00090**	**3.2683**	**6.9942**	**.03254**	**.47132**	**.02077**
Stddev	.0141	.00549	.036	.00084	.00326	.0204	.0437	.00057	.00442	.00393
%RSD	.26964	.71274	.30955	27.696	364.27	.62540	.62540	1.7456	.93876	18.917
#1	5.2020	.76699	11.768	.00243	.00320	3.2828	7.0251	.03294	.47445	.01799
#2	5.2219	.77476	11.717	.00362	-.00141	3.2539	6.9633	.03214	.46819	.02355
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2024**	**-.00051**	F **-.11148**	**.12405**	**1.9668**	**.03596**
Stddev	.0019	.00053	.04152	.00013	.0096	.00075
%RSD	.15795	103.63	37.245	.10558	.48747	2.0905
#1	1.2010	-.00088	-.08212	.12396	1.9600	.03649
#2	1.2037	-.00014	-.14084	.12414	1.9736	.03543
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8185.9**	**106830.**	**6816.9**
Stddev	6.1	602.	65.9
%RSD	.07413	.56392	.96701
#1	8190.2	107260.	6770.3
#2	8181.6	106410.	6863.5

Sample Name: 280-48859-a-26-d Acquired: 11/11/2013 20:58:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**60.635**	**.04116**	**.07515**	**.58151**	**.00297**	**-.01830**	**478.53**	**.01487**	**.04516**
Stddev	.00021	.424	.00210	.00023	.00445	.00003	.00028	.76	.00005	.00005
%RSD	6.7681	.70005	5.0921	.31181	.76513	1.1219	1.5276	.15917	.33109	.10015
#1	.00329	60.335	.03967	.07531	.57836	.00295	-.01810	478.00	.01491	.04519
#2	.00299	60.935	.04264	.07498	.58465	.00299	-.01850	479.07	.01484	.04512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48553**	**.61437**	**118.07**	**12.085**	**.11683**	**218.33**	**2.5589**	**.01851**	**1.9730**	**.16964**
Stddev	.00036	.00305	.21	.009	.00152	.70	.0305	.00017	.0246	.00001
%RSD	.07506	.49647	.18061	.07142	1.3030	.31974	1.1927	.91132	1.2484	.00862
#1	.48527	.61653	117.92	12.078	.11791	217.83	2.5804	.01863	1.9556	.16965
#2	.48578	.61221	118.22	12.091	.11576	218.82	2.5373	.01839	1.9904	.16963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.4084**	**1.1198**	**13.706**	**.00187**	**.00228**	**3.0361**	**6.4972**	**.04789**	**.56926**	**.02256**
Stddev	.0036	.0011	.047	.00043	.00287	.0111	.0237	.00023	.00267	.00054
%RSD	.05608	.10134	.34271	22.764	125.63	.36515	.36515	.47158	.46912	2.3948
#1	6.4059	1.1190	13.740	.00217	.00025	3.0282	6.4804	.04773	.56737	.02294
#2	6.4110	1.1206	13.673	.00157	.00431	3.0439	6.5140	.04804	.57115	.02218
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3088**	**-.00026**	F **-.10929**	**.15120**	**2.5514**	**.05155**
Stddev	.0035	.00030	.01399	.00028	.0040	.00033
%RSD	.26531	118.19	12.798	.18817	.15768	.63671
#1	1.3113	-.00004	-.09940	.15140	2.5543	.05132
#2	1.3064	-.00047	-.11918	.15100	2.5486	.05179
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8144.5**	**105810.**	**6856.4**
Stddev	13.5	431.	3.7
%RSD	.16591	.40686	.05458
#1	8135.0	105510.	6859.0
#2	8154.1	106120.	6853.7

Sample Name: 280-48859-a-28-a Acquired: 11/11/2013 21:01:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01104**	**67.899**	**.08387**	**.10494**	**.79677**	**.00392**	**-.01721**	**499.48**	**.02607**	**.04939**
Stddev	.00002	.062	.00345	.00020	.00178	.00009	.00248	.46	.00014	.00024
%RSD	.15073	.09193	4.1132	.19504	.22307	2.2602	14.417	.09174	.55181	.47920
#1	.01103	67.943	.08143	.10509	.79552	.00399	-.01545	499.80	.02617	.04956
#2	.01105	67.855	.08631	.10480	.79803	.00386	-.01896	499.15	.02597	.04922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1996**	**.88794**	**147.44**	**12.569**	**.12878**	**210.92**	**3.0692**	**.02069**	**1.7613**	**.19995**
Stddev	.0018	.00363	.00	.006	.00046	1.83	.0236	.00015	.0034	.00008
%RSD	.04376	.40863	.00188	.04564	.35639	.86551	.76855	.70182	.19163	.04089
#1	4.1983	.88538	147.44	12.573	.12846	209.63	3.0859	.02059	1.7636	.20001
#2	4.2009	.89051	147.43	12.564	.12911	212.21	3.0525	.02080	1.7589	.19990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6568**	**2.5309**	**20.088**	**.00717**	**-.00046**	**3.0433**	**6.5128**	**.09889**	**.82217**	**.02990**
Stddev	.0126	.0022	.055	.00074	.00141	.0645	.1380	.00050	.00206	.00182
%RSD	.14602	.08851	.27527	10.324	306.77	2.1189	2.1189	.50786	.25070	6.0868
#1	8.6479	2.5325	20.049	.00665	-.00145	3.0889	6.6103	.09924	.82071	.03119
#2	8.6658	2.5294	20.127	.00769	.00054	2.9978	6.4152	.09853	.82363	.02862
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3067**	**-.00132**	F **-.16736**	**.16561**	**4.1188**	**.05735**
Stddev	.0042	.00014	.00450	.00046	.0157	.00020
%RSD	.32294	10.385	2.6899	.28053	.38014	.34036
#1	1.3038	-.00122	-.17054	.16528	4.1078	.05749
#2	1.3097	-.00141	-.16418	.16594	4.1299	.05721
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.9**	**107330.**	**7004.1**
Stddev	22.0	140.	27.0
%RSD	.26775	.13045	.38568
#1	8184.4	107430.	6984.9
#2	8215.4	107230.	7023.2

Sample Name: 280-48859-a-30-a Acquired: 11/11/2013 21:03:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00845**	**43.076**	**.09859**	**.08977**	**.97184**	**.00336**	**-.02151**	**389.21**	**.01272**	**.03211**
Stddev	.00044	.206	.00352	.00021	.00198	.00010	.00123	2.75	.00008	.00066
%RSD	5.2442	.47802	3.5724	.23578	.20344	2.9694	5.6972	.70561	.61470	2.0453
#1	.00876	43.222	.09610	.08992	.97324	.00329	-.02065	387.27	.01266	.03164
#2	.00814	42.930	.10108	.08962	.97044	.00343	-.02238	391.16	.01277	.03257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4954**	**.78569**	**166.79**	**7.1194**	**.08114**	**118.17**	**2.4714**	**.00705**	**1.2874**	**.13516**
Stddev	.0174	.00007	.12	.0767	.00091	.35	.0110	.00007	.0058	.00127
%RSD	.23212	.00843	.07163	1.0781	1.1196	.29668	.44446	1.0318	.45242	.93595
#1	7.4831	.78564	166.87	7.1736	.08050	117.92	2.4792	.00700	1.2833	.13426
#2	7.5077	.78574	166.70	7.0651	.08178	118.41	2.4636	.00710	1.2915	.13605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2214**	**1.5285**	**23.904**	**.00492**	**.00520**	**2.7221**	**5.8253**	**.11356**	**.78944**	**.02222**
Stddev	.0120	.0016	.021	.00140	.00122	.0570	.1220	.00026	.00146	.00131
%RSD	.12983	.10635	.08757	28.398	23.545	2.0950	2.0950	.22515	.18512	5.8796
#1	9.2130	1.5274	23.919	.00393	.00607	2.7624	5.9115	.11374	.79048	.02129
#2	9.2299	1.5297	23.889	.00591	.00434	2.6818	5.7390	.11338	.78841	.02314
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94541**	**-.00196**	**-.04760**	**.11194**	**3.2971**	**.03317**
Stddev	.00342	.00141	.01083	.00010	.0106	.00177
%RSD	.36183	72.088	22.744	.09257	.32088	5.3267
#1	.94782	-.00096	-.05525	.11201	3.3046	.03442
#2	.94299	-.00296	-.03994	.11187	3.2896	.03192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8203.7**	**107770.**	**6992.4**
Stddev	16.3	209.	7.7
%RSD	.19852	.19355	.11080
#1	8215.3	107920.	6997.9
#2	8192.2	107620.	6986.9

Sample Name: 280-48859-a-32-a Acquired: 11/11/2013 21:06:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**56.596**	**.01683**	**.07842**	**.43132**	**.00257**	**-.01656**	W **728.80**	**.00228**	**.04441**
Stddev	.00036	.166	.00237	.00045	.00004	.00001	.00157	4.65	.00006	.00020
%RSD	256.21	.29313	14.064	.57793	.01013	.44742	9.4715	.63749	2.7986	.44372
#1	-.00040	56.713	.01850	.07874	.43129	.00258	-.01545	725.51	.00223	.04455
#2	.00011	56.479	.01515	.07810	.43135	.00256	-.01767	732.08	.00232	.04427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10822**	**.10815**	**108.32**	**12.672**	**.14800**	**253.10**	**4.1050**	**.00608**	**1.3356**	**.10693**
Stddev	.00013	.00012	.25	.009	.00102	1.40	.0466	.00018	.0150	.00030
%RSD	.12176	.10759	.23366	.06974	.68762	.55301	1.1344	3.0239	1.1202	.28038
#1	.10831	.10807	108.14	12.666	.14728	252.11	4.1379	.00595	1.3462	.10714
#2	.10812	.10823	108.50	12.679	.14872	254.09	4.0721	.00621	1.3250	.10672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9618**	**.04961**	**13.767**	**.00198**	**.00022**	**2.6759**	**5.7265**	**.00582**	**1.0149**	**.02681**
Stddev	.0046	.00123	.016	.00600	.00194	.0020	.0042	.00029	.0004	.00034
%RSD	.15413	2.4737	.11435	302.79	868.90	.07407	.07407	5.0096	.04064	1.2711
#1	2.9650	.04875	13.755	.00623	-.00115	2.6773	5.7295	.00561	1.0152	.02705
#2	2.9585	.05048	13.778	-.00226	.00159	2.6745	5.7235	.00602	1.0146	.02657
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3875**	**-.00115**	F **-.13655**	**.13716**	**.38052**	**.08048**
Stddev	.0037	.00093	.00949	.00016	.00084	.00071
%RSD	.27059	80.825	6.9472	.11757	.22076	.87716
#1	1.3848	-.00049	-.12985	.13704	.38111	.07998
#2	1.3901	-.00181	-.14326	.13727	.37992	.08097
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7939.5**	**103570.**	**6787.6**
Stddev	3.9	512.	42.5
%RSD	.04933	.49445	.62651
#1	7942.2	103210.	6817.7
#2	7936.7	103940.	6757.5

Sample Name: CCVH-2372891 Acquired: 11/11/2013 21:08:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00766**	**51.936**	**.00062**	**.00128**	**-.00031**	**-.00014**	W **1.0653**	**.13230**	**-.00044**	**-.00014**	**.00042**	**.01228**
Stddev	.00038	.083	.00068	.00030	.00000	.00002	.0015	.01230	.00014	.00018	.00008	.00035
%RSD	4.9586	.15884	109.88	23.769	.45533	12.145	.14423	9.2989	32.657	125.65	19.456	2.8450
#1	.00793	51.994	.00110	.00106	-.00032	-.00013	1.0664	.14100	-.00054	-.00002	.00048	.01253
#2	.00739	51.878	.00014	.00149	-.00031	-.00016	1.0643	.12360	-.00034	-.00027	.00036	.01203
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.563**	**-.03284**	**-.00092**	**.11457**	**.00122**	**-.00015**	**264.86**	**-.00005**	**-.00192**	**.00003**	**5.1970**	**-.00087**
Stddev	.520	.02714	.00098	.00120	.00002	.00019	.33	.00022	.00113	.00106	.0062	.00018
%RSD	1.0280	82.635	106.97	1.0487	1.3735	131.87	.12579	479.91	58.770	3998.6	.11980	21.085
#1	50.930	-.05203	-.00022	.11542	.00123	-.00001	264.63	-.00021	-.00272	.00077	5.2014	-.00074
#2	50.195	-.01365	-.00161	.11372	.00120	-.00028	265.10	.00011	-.00112	-.00072	5.1926	-.00100
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.03158**	**.06758**	**-.00001**	**.00041**	**5.0248**	**-.01255**	**.00087**	F **6.2787**	**.00197**	**.00152**	**.06104**
Stddev	.00146	.00924	.01977	.00030	.00001	.0000	.00032	.00113	.0391	.00052	.00014	.00038
%RSD	52.166	29.252	29.252	4775.4	1.2398	.00007	2.5575	129.62	.62342	26.233	9.1199	.61702
#1	-.00177	.02505	.05360	-.00022	.00042	5.0248	-.01277	.00007	6.3064	.00160	.00142	.06078
#2	-.00383	.03811	.08156	.00020	.00041	5.0248	-.01232	.00167	6.2510	.00233	.00161	.06131
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7960.4**	**105320.**	**6385.0**
Stddev	6.2	672.	22.5
%RSD	.07762	.63818	.35247
#1	7956.1	105800.	6369.1
#2	7964.8	104850.	6400.9

Sample Name: CCV-2372889 Acquired: 11/11/2013 21:11:05 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50418**	**.54165**	**.99948**	**.50472**	**.50657**	**.49488**	**-.00230**	**5.1842**	**.50708**	**.50918**	**.50883**	**.50764**	**2.5177**
Stddev	.00079	.00099	.00181	.00008	.00439	.00378	.00055	.0257	.00007	.00049	.00024	.00030	.0243
%RSD	.15681	.18263	.18063	.01623	.86620	.76417	23.876	.49635	.01302	.09580	.04745	.05824	.96380
#1	.50362	.54235	.99821	.50467	.50347	.49221	-.00268	5.1660	.50712	.50952	.50865	.50785	2.5005
#2	.50474	.54095	1.0008	.50478	.50967	.49755	-.00191	5.2024	.50703	.50883	.50900	.50743	2.5348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.886**	**1.0074**	**20.297**	**.50273**	**.50959**	**5.2120**	**.51370**	**1.0028**	**1.0355**	**.07305**	**1.0087**	**1.0147**	**5.0189**
Stddev	.384	.0111	.049	.00073	.00093	.0471	.00036	.0000	.0021	.00178	.0012	.0029	.0360
%RSD	.73994	1.1035	.24117	.14588	.18309	.90347	.06962	.00353	.19876	2.4321	.11583	.28911	.71620
#1	51.615	.99954	20.263	.50221	.51025	5.1787	.51395	1.0028	1.0369	.07179	1.0078	1.0127	4.9935
#2	52.158	1.0153	20.332	.50325	.50893	5.2453	.51344	1.0027	1.0340	.07430	1.0095	1.0168	5.0444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.741**	**1.0288**	**.50410**	**-.00468**	**.49858**	**1.0394**	**-.02700**	**.50567**	**.51730**	**.50646**
Stddev	.077	.0004	.00444	.00180	.00050	.0063	.03506	.00102	.00057	.00058
%RSD	.71620	.04226	.88150	38.470	.10100	.60533	129.82	.20248	.10962	.11512
#1	10.686	1.0285	.50096	-.00595	.49822	1.0349	-.00222	.50639	.51770	.50605
#2	10.795	1.0291	.50724	-.00341	.49893	1.0438	-.05179	.50494	.51690	.50687
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8142.7**	**107890.**	**6308.5**
Stddev	18.1	365.	6.9
%RSD	.22285	.33838	.10916
#1	8129.9	108140.	6313.4
#2	8155.5	107630.	6303.6

Sample Name: CCB Acquired: 11/11/2013 21:13:11 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00171**	**.00194**	**-.00042**	**-.00003**	**-.00001**	**-.00017**	**.02457**	**-.00002**	**.00025**	**.00004**	**-.00005**
Stddev	.00011	.00045	.00126	.00021	.00036	.00003	.00133	.00096	.00005	.00005	.00012	.00038
%RSD	28.316	26.528	65.226	49.889	1123.8	414.97	800.39	3.8968	262.15	18.072	264.37	800.37
#1	.00031	-.00139	.00104	-.00027	.00022	.00001	-.00111	.02525	-.00005	.00022	.00013	-.00031
#2	.00047	-.00203	.00283	-.00056	-.00028	-.00002	.00077	.02389	.00001	.00029	-.00004	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00788**	**.00953**	F **-.00613**	**.00805**	**.00020**	**.00035**	**-.00535**	**.00028**	**-.00304**	**-.00109**	**.07927**	F **.00899**
Stddev	.00015	.01469	.00337	.00180	.00004	.00016	.01821	.00005	.00138	.00063	.00058	.00127
%RSD	1.8923	154.16	54.987	22.406	19.001	46.587	339.99	17.204	45.514	58.001	.73245	14.092
#1	.00777	-.00086	-.00851	.00933	.00017	.00046	.00752	.00032	-.00206	-.00154	.07886	.00809
#2	.00798	.01992	-.00375	.00678	.00023	.00023	-.01823	.00025	-.00401	-.00064	.07968	.00988
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00522									.00628
Low Limit			-.00522									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.02400**	**.05135**	**.00037**	**.00003**	**.00125**	**-.00046**	**-.00036**	**.01682**	**.00020**	**.00306**	**.00234**
Stddev	.00497	.00267	.00572	.00025	.00000	.00005	.00014	.00063	.04625	.00022	.00057	.00139
%RSD	157.11	11.132	11.132	66.028	16.446	4.2058	31.264	175.99	274.86	107.79	18.793	59.330
#1	-.00035	.02588	.05539	.00055	.00003	.00121	-.00036	-.00080	.04953	.00035	.00346	.00332
#2	.00668	.02211	.04731	.00020	.00003	.00128	-.00056	.00009	-.01588	.00005	.00265	.00136
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.4**	**108330.**	**6194.2**
Stddev	22.0	290.	54.6
%RSD	.27011	.26761	.88151
#1	8150.0	108120.	6232.8
#2	8118.9	108530.	6155.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 21:15:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.11501**	**.01650**	**.10290**	**.01075**	**.00099**	**.12929**	**.23366**	**.00541**	**.01128**	**.01094**	**.01611**	**.10764**
Stddev	.00000	.00064	.00076	.00035	.00016	.00003	.00018	.00149	.00012	.00029	.00007	.00019	.00392
%RSD	.02456	.55675	4.5971	.34349	1.5129	2.9409	.13632	.63758	2.1775	2.5658	.67743	1.1518	3.6405
#1	.01141	.11456	.01596	.10265	.01087	.00097	.12942	.23472	.00533	.01107	.01100	.01624	.11041
#2	.01141	.11546	.01703	.10315	.01064	.00102	.12917	.23261	.00550	.01148	.01089	.01598	.10486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2851**	**.00743**	**.22626**	**.01085**	**.02115**	**1.0819**	**.04468**	**3.0647**	**.01002**	**.07032**	**.00925**	**.01283**	**.51479**
Stddev	.1030	.00031	.00360	.00010	.00010	.0046	.00027	.0099	.00122	.00171	.00283	.00017	.01437
%RSD	3.1363	4.1969	1.5896	.92823	.48364	.42422	.60182	.32436	12.154	2.4275	30.600	1.3136	2.7915
#1	3.2123	.00765	.22880	.01092	.02108	1.0851	.04487	3.0577	.01088	.06911	.00725	.01271	.52495
#2	3.3580	.00721	.22372	.01077	.02122	1.0786	.04449	3.0718	.00916	.07153	.01125	.01295	.50463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1016**	**.10872**	**.01067**	**.01374**	**.00976**	**.01641**	F **.09811**	**.01106**	**.02464**	**.01830**
Stddev	.0308	.00071	.00012	.00254	.00018	.00012	.03135	.00037	.00022	.00223
%RSD	2.7915	.65570	1.1423	18.490	1.8321	.74570	31.951	3.3039	.89467	12.205
#1	1.1234	.10822	.01058	.01195	.00963	.01633	.07594	.01132	.02480	.01988
#2	1.0799	.10923	.01075	.01554	.00988	.01650	.12027	.01080	.02449	.01672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8397.7**	**111580.**	**6400.0**
Stddev	42.1	244.	15.3
%RSD	.50153	.21859	.23953
#1	8367.9	111410.	6410.8
#2	8427.5	111750.	6389.1

Sample Name: BLANK SAR WATER Acquired: 11/11/2013 21:17:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00394**	**.00114**	**-.00019**	**-.00019**	**-.00002**	**-.00101**	**.01459**	**-.00002**	**.00023**
Stddev	.00024	.00011	.00147	.00051	.00005	.00003	.00058	.00093	.00004	.00001
%RSD	331.27	2.8421	128.89	265.55	27.611	148.71	57.206	6.3524	185.63	3.3968
#1	.00025	-.00386	.00010	.00017	-.00022	-.00005	-.00141	.01525	.00001	.00024
#2	-.00010	-.00402	.00218	-.00055	-.00015	.00000	-.00060	.01394	-.00005	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00021**	**.00033**	**.00069**	**-.00137**	**.00158**	**.00013**	**-.00010**	**-.02824**	**.00024**
Stddev	.00001	.00010	.00074	.03146	.00022	.00385	.00003	.00005	.01224	.00010
%RSD	33.953	50.715	220.49	4531.0	15.850	242.71	23.895	51.762	43.342	41.017
#1	-.00003	-.00013	-.00019	-.02155	-.00122	-.00113	.00016	-.00007	-.03689	.00017
#2	-.00005	-.00028	.00086	.02294	-.00152	.00430	.00011	-.00014	-.01958	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00259**	**.00007**	W **.07461**	**-.00134**	**-.00307**	**.03525**	**.07544**	**.00006**	**.00011**	**.00011**
Stddev	.00032	.00087	.00006	.00099	.00196	.00107	.00229	.00001	.00020	.00047
%RSD	12.466	1248.9	.08459	74.196	63.986	3.0397	3.0397	18.548	186.16	435.08
#1	-.00281	-.00055	.07466	-.00063	-.00168	.03601	.07706	.00007	.00025	.00044
#2	-.00236	.00069	.07457	-.00204	-.00445	.03449	.07381	.00006	-.00003	-.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00014**	**.01213**	**.00011**	**.00280**	**.00385**
Stddev	.00026	.00008	.00824	.00032	.00031	.00137
%RSD	83.303	52.350	67.948	301.46	11.113	35.657
#1	-.00013	.00009	.01795	.00034	.00302	.00482
#2	-.00050	.00020	.00630	-.00012	.00258	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8267.1**	**111070.**	**6591.9**
Stddev	8.5	364.	85.4
%RSD	.10265	.32776	1.2962
#1	8261.1	111330.	6652.3
#2	8273.1	110810.	6531.5

Sample Name: 48922-1 Acquired: 11/11/2013 21:20:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00588**	**.00081**	**.01036**	**.06419**	**-.00002**	**.00007**	**37.522**	**-.00001**	**.00013**
Stddev	.00002	.00007	.00134	.00056	.00119	.00005	.00102	.494	.00008	.00008
%RSD	12.347	1.1154	165.05	5.4332	1.8536	321.81	1528.3	1.3169	682.60	64.057
#1	.00019	.00593	.00176	.01076	.06335	-.00005	-.00066	37.173	-.00007	.00019
#2	.00016	.00584	-.00014	.00996	.06503	.00002	.00079	37.872	.00005	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00116**	**.01744**	**1.4325**	**.00488**	**8.8489**	**.01289**	**.00055**	**17.824**	**.00077**
Stddev	.00010	.00046	.00037	.0730	.00020	.0542	.00001	.00033	.341	.00003
%RSD	84.705	39.773	2.1344	5.0926	4.1288	.61209	.09421	59.687	1.9118	3.6443
#1	.00019	.00148	.01770	1.3810	.00502	8.8872	.01288	.00032	18.065	.00075
#2	.00005	.00083	.01717	1.4841	.00474	8.8106	.01290	.00078	17.583	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00245**	**-.00032**	**18.311**	**-.00139**	**-.00282**	**5.1899**	**11.106**	**.00012**	**.34611**	**-.00138**
Stddev	.00083	.00045	.026	.00137	.00144	.0659	.141	.00042	.00411	.00021
%RSD	33.787	138.03	.13961	98.427	50.929	1.2703	1.2703	343.26	1.1886	15.101
#1	-.00186	-.00064	18.293	-.00042	-.00384	5.1432	11.007	-.00017	.34320	-.00152
#2	-.00303	-.00001	18.329	-.00236	-.00181	5.2365	11.206	.00042	.34901	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00286**	**.00587**	**.00054**	**.00173**	**.00043**
Stddev	.00025	.00010	.00373	.00000	.00041	.00257
%RSD	61211.	3.5129	63.500	.24963	23.479	592.01
#1	-.00017	.00279	.00851	.00054	.00202	.00225
#2	.00017	.00293	.00324	.00054	.00145	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8374.2**	**111950.**	**6707.5**
Stddev	1.4	402.	57.9
%RSD	.01728	.35873	.86293
#1	8375.2	111670.	6748.4
#2	8373.2	112240.	6666.5

Sample Name: 48922-2 Acquired: 11/11/2013 21:22:24 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00433**	**.00082**	**.02094**	**.05117**	**-.00006**	**.00114**	**94.267**	**.00033**	**.00024**
Stddev	.00053	.00021	.00021	.00027	.00041	.00002	.00176	.492	.00005	.00009
%RSD	93.946	4.9599	25.565	1.2898	.79273	41.548	155.22	.52200	15.125	36.683
#1	.00093	-.00418	.00067	.02113	.05088	-.00004	-.00011	93.919	.00029	.00018
#2	.00019	-.00448	.00097	.02075	.05145	-.00007	.00238	94.615	.00036	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00143**	**.00585**	**5.9915**	**.07486**	**76.467**	**.02574**	**.00066**	**388.81**	**.00121**
Stddev	.00005	.00002	.00184	.0298	.00047	.060	.00005	.00007	2.34	.00004
%RSD	73.684	1.5018	31.543	.49669	.62828	.07808	.21292	9.9199	.60153	3.4254
#1	.00009	.00145	.00454	6.0125	.07519	76.509	.02578	.00071	387.16	.00124
#2	.00003	.00142	.00715	5.9705	.07453	76.425	.02570	.00062	390.46	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00065**	F **224.24**	**-.00323**	**.00048**	**4.6920**	**10.041**	**.00052**	**3.1478**	**-.00237**
Stddev	.00064	.00039	.16	.00392	.00023	.0413	.088	.00004	.0139	.00109
%RSD	891.91	59.733	.07140	121.34	49.054	.87985	.87985	7.7334	.44257	45.930
#1	.00038	-.00093	224.35	-.00046	.00064	4.6628	9.9784	.00049	3.1380	-.00314
#2	-.00052	-.00038	224.13	-.00600	.00031	4.7212	10.103	.00054	3.1577	-.00160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00270**	**.00549**	**.00112**	**.00212**	**.00277**
Stddev	.00013	.00000	.00715	.00014	.00024	.00200
%RSD	19.408	.05119	130.34	12.342	11.386	72.214
#1	-.00059	.00270	.00043	.00122	.00194	.00136
#2	-.00077	.00270	.01054	.00103	.00229	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7846.6**	**102240.**	**6458.6**
Stddev	10.0	235.	19.9
%RSD	.12805	.22969	.30869
#1	7853.7	102410.	6472.7
#2	7839.5	102070.	6444.5

Sample Name: 48924-1 Acquired: 11/11/2013 21:24:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00339**	**.00177**	**.03120**	**-.00006**	**-.00005**	**.00299**	**.04683**	**-.00011**	**.00049**
Stddev	.00008	.00018	.00020	.00050	.00009	.00001	.00107	.00113	.00004	.00005
%RSD	9.3310	5.3197	11.507	1.5913	153.86	10.092	35.984	2.4029	40.697	10.899
#1	.00083	.00326	.00163	.03155	-.00012	-.00005	.00375	.04762	-.00008	.00052
#2	.00095	.00352	.00192	.03085	.00001	-.00005	.00223	.04603	-.00014	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00063**	**-.00201**	**.03797**	**-.00368**	**.00701**	**.00025**	**-.00016**	**.11897**	**.00209**
Stddev	.00012	.00007	.00004	.03972	.00166	.00024	.00002	.00014	.01861	.00002
%RSD	3.5480	11.712	2.0747	104.61	45.122	3.4567	9.7381	88.663	15.646	.98288
#1	.00354	.00058	-.00204	.06606	-.00486	.00718	.00026	-.00006	.13213	.00211
#2	.00337	.00069	-.00199	.00988	-.00251	.00684	.00023	-.00025	.10581	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00421**	**-.00114**	**.07590**	**-.00187**	**-.00172**	**.01531**	**.03277**	**-.00014**	**.00043**	**-.00292**
Stddev	.00093	.00098	.00026	.00019	.00251	.01503	.03217	.00021	.00002	.00153
%RSD	22.183	86.034	.33661	10.207	145.94	98.174	98.174	153.45	3.5544	52.399
#1	-.00355	-.00183	.07608	-.00174	-.00349	.02595	.05552	-.00029	.00042	-.00400
#2	-.00487	-.00045	.07572	-.00201	.00005	.00468	.01002	.00001	.00044	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00159**	**.01138**	**-.00016**	**.00266**	**.00268**
Stddev	.00025	.00149	.00634	.00015	.00006	.00102
%RSD	158.44	93.333	55.756	94.116	2.3969	37.915
#1	.00033	.00265	.00689	-.00027	.00271	.00196
#2	-.00002	.00054	.01586	-.00005	.00262	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8574.1**	**114400.**	**6658.7**
Stddev	5.9	321.	119.0
%RSD	.06839	.28059	1.7871
#1	8578.2	114620.	6742.9
#2	8569.9	114170.	6574.6

Sample Name: 48924-2 Acquired: 11/11/2013 21:27:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00012**	**.00223**	**.03006**	**.10337**	**-.00004**	**.00219**	**31.452**	**-.00018**	**.00241**
Stddev	.00059	.00024	.00035	.00015	.00002	.00008	.00081	.062	.00014	.00029
%RSD	195.12	193.20	15.618	.51264	.01811	171.65	36.809	.19621	79.461	11.945
#1	-.00012	.00005	.00248	.03017	.10336	.00001	.00276	31.496	-.00008	.00262
#2	.00072	-.00029	.00199	.02996	.10338	-.00010	.00162	31.409	-.00028	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00190**	**.02524**	**7.4779**	**.11786**	**16.813**	**.09187**	**.00410**	W **562.18**	**.00333**
Stddev	.00030	.00010	.00067	.0358	.00010	.029	.00022	.00020	.06	.00024
%RSD	558.15	5.1748	2.6651	.47817	.08528	.17489	.24176	4.9971	.00999	7.3338
#1	-.00016	.00197	.02572	7.4526	.11779	16.792	.09172	.00395	562.15	.00350
#2	.00026	.00183	.02477	7.5031	.11793	16.834	.09203	.00424	562.22	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**-.00071**	**27.564**	**-.00049**	**-.00017**	**3.3196**	**7.1038**	**-.00026**	**3.1026**	**-.00361**
Stddev	.00145	.00168	.021	.00415	.00060	.0400	.0856	.00030	.0014	.00326
%RSD	20.950	237.39	.07747	842.21	351.44	1.2055	1.2055	114.53	.04419	90.319
#1	.00589	.00048	27.549	.00244	-.00060	3.3478	7.1644	-.00005	3.1017	-.00131
#2	.00794	-.00189	27.580	-.00343	.00026	3.2913	7.0433	-.00047	3.1036	-.00592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00172**	**.03213**	**.00027**	**.00450**	**.00190**
Stddev	.00055	.00090	.02831	.00014	.00019	.00038
%RSD	565.96	52.326	88.126	51.366	4.2353	20.076
#1	.00048	.00236	.01211	.00017	.00436	.00163
#2	-.00029	.00108	.05214	.00036	.00463	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7909.4**	**103300.**	**6604.1**
Stddev	10.5	314.	49.8
%RSD	.13321	.30359	.75447
#1	7901.9	103520.	6568.9
#2	7916.8	103070.	6639.4

Sample Name: 48924-3 Acquired: 11/11/2013 21:29:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01208**	**.00198**	**.02931**	**.10470**	**-.00001**	**.00292**	**31.443**	**-.00026**	**.00209**
Stddev	.00004	.00014	.00309	.00005	.00010	.00015	.00105	.093	.00000	.00011
%RSD	7.5669	1.1199	156.29	.15561	.09236	1466.7	35.988	.29589	1.6044	5.2480
#1	.00045	.01217	-.00021	.02928	.10477	-.00012	.00366	31.377	-.00027	.00201
#2	.00050	.01198	.00416	.02934	.10463	.00010	.00218	31.509	-.00026	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00185**	**.02686**	**7.5613**	**.11798**	**16.822**	**.09480**	**.00430**	W **560.27**	**.00346**
Stddev	.00003	.00020	.00271	.1036	.00095	.027	.00000	.00011	1.73	.00012
%RSD	29.426	11.055	10.094	1.3706	.80550	.16261	.00517	2.6492	.30838	3.5124
#1	.00014	.00199	.02878	7.4880	.11731	16.841	.09480	.00422	559.05	.00337
#2	.00009	.00171	.02495	7.6346	.11865	16.802	.09479	.00438	561.49	.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00739**	**-.00038**	**27.579**	**-.00257**	**.00074**	**3.3013**	**7.0648**	**-.00003**	**3.0874**	**-.00399**
Stddev	.00118	.00083	.058	.00033	.00081	.0160	.0342	.00042	.0197	.00105
%RSD	16.000	217.24	.21140	12.790	109.55	.48416	.48416	1332.4	.63741	26.388
#1	.00655	.00021	27.538	-.00281	.00131	3.3126	7.0889	-.00033	3.0735	-.00324
#2	.00822	-.00097	27.620	-.00234	.00017	3.2900	7.0406	.00026	3.1013	-.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00168**	**-.00120**	**.00060**	**.00420**	**.00047**
Stddev	.00019	.00094	.02979	.00082	.00014	.00354
%RSD	17.921	56.011	2476.7	135.62	3.2792	758.10
#1	.00094	.00101	.01986	.00118	.00411	-.00204
#2	.00121	.00234	-.02226	.00002	.00430	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7871.7**	**102040.**	**6496.0**
Stddev	13.7	264.	47.1
%RSD	.17399	.25883	.72450
#1	7881.3	102230.	6529.3
#2	7862.0	101850.	6462.7

Sample Name: 48924-3SD@5 Acquired: 11/11/2013 21:31:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.01215**	**.00165**	**.00532**	**.02119**	**-.00002**	**-.00048**	**6.3294**	**-.00007**	**.00064**
Stddev	.00015	.00030	.00206	.00014	.00031	.00004	.00152	.0228	.00001	.00002
%RSD	24.755	2.4787	125.17	2.6512	1.4633	246.72	316.56	.36074	8.8760	3.6973
#1	.00069	.01236	.00310	.00522	.02097	.00001	.00059	6.3132	-.00007	.00063
#2	.00049	.01194	.00019	.00542	.02141	-.00005	-.00156	6.3455	-.00008	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00067**	**.02125**	**1.4745**	**.01996**	**3.3205**	**.01893**	**.00097**	**112.00**	**.00105**
Stddev	.00007	.00043	.00169	.0188	.00381	.0148	.00004	.00017	1.08	.00016
%RSD	192.83	64.170	7.9476	1.2723	19.059	.44619	.19110	17.908	.96461	14.838
#1	-.00008	.00037	.02006	1.4878	.02265	3.3309	.01890	.00109	111.23	.00094
#2	.00001	.00098	.02245	1.4613	.01727	3.3100	.01895	.00085	112.76	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**-.00138**	**5.2291**	**-.00224**	**.00134**	**.65932**	**1.4109**	**.00231**	**.61501**	**-.00090**
Stddev	.00004	.00012	.0274	.00145	.00038	.00397	.0085	.00039	.00415	.00021
%RSD	2.2136	8.5039	.52344	64.724	28.705	.60180	.60180	16.684	.67509	23.474
#1	-.00203	-.00129	5.2485	-.00326	.00107	.66212	1.4169	.00259	.61207	-.00075
#2	-.00197	-.00146	5.2098	-.00121	.00161	.65651	1.4049	.00204	.61794	-.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00194**	**-.01844**	**.00049**	**.00696**	**.00047**
Stddev	.00001	.00170	.00361	.00015	.00000	.00077
%RSD	3.1748	87.571	19.595	30.834	.06439	163.24
#1	-.00033	.00314	-.02100	.00038	.00696	.00102
#2	-.00034	.00074	-.01589	.00059	.00695	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8187.9**	**108510.**	**6465.7**
Stddev	24.6	259.	80.7
%RSD	.30057	.23865	1.2487
#1	8170.5	108330.	6408.6
#2	8205.3	108690.	6522.8

Sample Name: CCVH-2372891 Acquired: 11/11/2013 21:34:15 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00775**	**52.073**	**.00277**	**.00059**	**.00005**	**-.00010**	W **1.1049**	**.03184**	**-.00024**	**-.00040**	**.00012**	**.01253**
Stddev	.00008	.287	.00220	.00023	.00034	.00001	.0004	.00080	.00007	.00005	.00005	.00021
%RSD	1.0503	.55047	79.417	39.910	679.42	9.6376	.03399	2.5217	28.532	12.777	45.493	1.6534
#1	.00770	51.871	.00122	.00075	.00029	-.00011	1.1046	.03241	-.00028	-.00043	.00008	.01238
#2	.00781	52.276	.00433	.00042	-.00019	-.00010	1.1051	.03127	-.00019	-.00036	.00015	.01267
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.360**	**.01915**	**-.00335**	**.08600**	**.00083**	**-.00040**	**267.86**	**.00013**	**-.00152**	**-.00018**	W **5.3538**	**-.00206**
Stddev	.358	.01322	.00032	.00001	.00004	.00004	1.74	.00012	.00171	.00018	.0054	.00060
%RSD	.69797	69.022	9.5699	.00681	4.6803	9.6463	.65078	92.263	112.73	101.49	.10157	29.296
#1	51.107	.02850	-.00312	.08600	.00080	-.00038	266.62	.00005	-.00272	-.00005	5.3500	-.00249
#2	51.614	.00981	-.00357	.08601	.00086	-.00043	269.09	.00022	-.00031	-.00031	5.3577	-.00164
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.02567**	**.05494**	**.00033**	**.00054**	**5.0764**	**-.01347**	**.00071**	F **6.4582**	**.00171**	**.00169**	**.06578**
Stddev	.00109	.02465	.05274	.00065	.00014	.0103	.00014	.00028	.0705	.00024	.00025	.00489
%RSD	51.162	96.006	96.006	199.04	26.913	.20283	1.0098	39.361	1.0915	13.845	15.021	7.4342
#1	-.00290	.00824	.01764	-.00013	.00064	5.0692	-.01338	.00051	6.5081	.00188	.00187	.06232
#2	-.00136	.04310	.09223	.00079	.00043	5.0837	-.01357	.00090	6.4084	.00155	.00151	.06924
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.0**	**108910.**	**6734.2**
Stddev	1.0	728.	15.2
%RSD	.01227	.66871	.22598
#1	8199.3	109420.	6745.0
#2	8200.7	108390.	6723.5

Sample Name: CCV-2372889 Acquired: 11/11/2013 21:36:37 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51663**	**.54290**	**1.0355**	**.52071**	**.51465**	**.50481**	**-.00441**	**5.1825**	**.52121**	**.51870**	**.51998**	**.52228**	**2.5392**
Stddev	.00125	.00056	.0013	.00028	.00232	.00347	.00244	.0118	.00057	.00022	.00049	.00046	.0103
%RSD	.24119	.10365	.12185	.05444	.45082	.68742	55.354	.22790	.10988	.04248	.09484	.08868	.40566
#1	.51575	.54330	1.0346	.52051	.51301	.50236	-.00268	5.1741	.52080	.51855	.52033	.52195	2.5319
#2	.51751	.54251	1.0364	.52091	.51629	.50727	-.00613	5.1908	.52161	.51886	.51963	.52261	2.5465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.569**	**1.0211**	**20.424**	**.50765**	**.52326**	**5.3723**	**.52382**	**1.0302**	**1.0515**	**.05540**	**1.0447**	**1.0469**	**5.0238**
Stddev	.404	.0029	.016	.00093	.00021	.0469	.00032	.0008	.0014	.00006	.0025	.0110	.0074
%RSD	.76807	.28647	.07774	.18376	.04091	.87296	.06134	.08208	.13531	.10170	.24268	1.0482	.14714
#1	52.283	1.0190	20.436	.50699	.52341	5.3392	.52360	1.0296	1.0525	.05544	1.0465	1.0547	5.0186
#2	52.854	1.0232	20.413	.50831	.52310	5.4055	.52405	1.0308	1.0505	.05536	1.0429	1.0392	5.0290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.751**	**1.0546**	**.51411**	**-.00529**	**.50421**	**1.0708**	**.00269**	**.51171**	**.51569**	**.51268**
Stddev	.016	.0054	.00240	.00107	.00078	.0043	.02553	.00163	.00042	.00194
%RSD	.14714	.51294	.46721	20.137	.15464	.40668	949.59	.31860	.08176	.37782
#1	10.740	1.0584	.51241	-.00605	.50366	1.0738	.02074	.51056	.51539	.51405
#2	10.762	1.0508	.51580	-.00454	.50476	1.0677	-.01537	.51287	.51599	.51131
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8415.6**	**112850.**	**6803.6**
Stddev	8.2	224.	85.8
%RSD	.09686	.19844	1.2606
#1	8409.8	113010.	6864.3
#2	8421.3	112690.	6743.0

Sample Name: CCB Acquired: 11/11/2013 21:38:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00350**	**.00115**	**-.00051**	**-.00043**	**.00001**	**-.00013**	**.00395**	**.00011**	**.00025**	**.00013**	**-.00005**	**-.00034**
Stddev	.00017	.00015	.00070	.00035	.00017	.00005	.00060	.00468	.00017	.00022	.00010	.00028	.00007
%RSD	27.003	4.3087	61.014	68.324	40.513	396.68	450.20	118.57	159.47	87.422	77.321	596.27	21.901
#1	.00073	-.00361	.00065	-.00026	-.00055	.00005	.00029	.00726	-.00001	.00041	.00020	-.00024	-.00028
#2	.00050	-.00340	.00165	-.00076	-.00031	-.00002	-.00055	.00064	.00023	.00010	.00006	.00015	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03139**	**-.00021**	**.00063**	**.00004**	**.00046**	**.08228**	**.00048**	**-.00292**	**-.00007**	**.06287**	F **.00796**	**.00189**	**.01178**
Stddev	.00126	.00084	.00103	.00003	.00010	.00192	.00022	.00067	.00011	.00381	.00196	.00076	.00507
%RSD	4.0237	392.80	161.66	69.191	21.105	2.3380	45.320	22.821	162.09	6.0623	24.570	40.398	43.032
#1	-.03228	.00038	.00136	.00002	.00039	.08364	.00033	-.00340	-.00015	.06557	.00658	.00243	.01537
#2	-.03050	-.00080	-.00009	.00006	.00053	.08092	.00063	-.00245	.00001	.06018	.00934	.00135	.00820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02522**	**.00075**	**.00020**	**-.00039**	**-.00056**	**-.00033**	**.03427**	**.00011**	**.00277**	**.00230**
Stddev	.01085	.00002	.00011	.00043	.00000	.00126	.02990	.00024	.00020	.00132
%RSD	43.032	2.2825	57.163	111.00	.20043	381.83	87.244	208.26	7.2050	57.393
#1	.03289	.00076	.00012	-.00008	-.00056	.00056	.01313	-.00005	.00263	.00324
#2	.01755	.00073	.00028	-.00069	-.00057	-.00123	.05541	.00028	.00291	.00137
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8492.1**	**114270.**	**6786.6**
Stddev	39.2	326.	20.2
%RSD	.46172	.28520	.29794
#1	8464.4	114040.	6800.9
#2	8519.8	114500.	6772.3

Sample Name: CCVL2372865 Acquired: 11/11/2013 21:40:59 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.10869**	**.01576**	**.10207**	**.01014**	**.00102**	**.12627**	**.22143**	**.00523**	**.01099**	**.01064**	**.01601**	**.10516**
Stddev	.00025	.00025	.00016	.00050	.00026	.00001	.00079	.00181	.00001	.00002	.00008	.00003	.00068
%RSD	2.3109	.22843	1.0031	.48695	2.5856	.87370	.62748	.81603	.17759	.14351	.77572	.18218	.64359
#1	.01072	.10851	.01565	.10172	.01032	.00101	.12683	.22016	.00523	.01100	.01058	.01599	.10468
#2	.01108	.10886	.01587	.10242	.00995	.00103	.12571	.22271	.00522	.01098	.01070	.01603	.10564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1912**	**.01032**	**.21140**	**.01044**	**.02093**	**1.1256**	**.04337**	**3.0346**	**.00925**	**.06513**	**.00924**	**.01327**	**.50185**
Stddev	.0565	.00023	.00081	.00000	.00009	.0114	.00002	.0001	.00019	.00032	.00140	.00223	.00683
%RSD	1.7714	2.2164	.38252	.02954	.41903	1.0110	.03503	.00472	2.0303	.49140	15.146	16.846	1.3614
#1	3.1512	.01016	.21083	.01044	.02087	1.1336	.04338	3.0345	.00938	.06535	.00825	.01485	.50668
#2	3.2312	.01048	.21197	.01045	.02099	1.1175	.04336	3.0347	.00912	.06490	.01023	.01169	.49702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0740**	**.10787**	**.01054**	**.01468**	**.00962**	**.01715**	F **.08589**	**.01028**	**.02460**	**.01885**
Stddev	.0146	.00022	.00020	.00024	.00012	.00013	.00624	.00010	.00009	.00128
%RSD	1.3614	.20184	1.8636	1.6199	1.2538	.77053	7.2624	.93210	.35464	6.7870
#1	1.0843	.10802	.01040	.01485	.00971	.01725	.09030	.01021	.02466	.01975
#2	1.0636	.10771	.01067	.01451	.00953	.01706	.08148	.01035	.02454	.01794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8590.5**	**116030.**	**6911.2**
Stddev	1.3	652.	17.1
%RSD	.01526	.56234	.24748
#1	8589.5	115570.	6899.1
#2	8591.4	116490.	6923.3

Sample Name: mb 280-199968/1-a Acquired: 11/11/2013 21:43:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00087**	**.00147**	**-.00049**	**-.00033**	**-.00011**	**-.00103**	**.03259**	**.00001**	**.00036**
Stddev	.00038	.00041	.00069	.00038	.00004	.00001	.00172	.00234	.00002	.00008
%RSD	77.614	46.551	46.841	77.224	12.136	13.013	166.68	7.1887	141.32	22.683
#1	.00076	.00059	.00098	-.00076	-.00030	-.00012	.00018	.03425	.00003	.00030
#2	.00022	.00116	.00196	-.00022	-.00036	-.00010	-.00225	.03093	.00000	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00040**	**.00473**	**.01697**	**.00025**	**.00254**	**.00011**	**-.00011**	**.07812**	**.00053**
Stddev	.00001	.00011	.00079	.02088	.00055	.00045	.00001	.00011	.01564	.00013
%RSD	121.05	27.308	16.774	123.07	216.64	17.824	13.206	96.172	20.023	24.396
#1	.00001	.00048	.00417	.03173	-.00014	.00286	.00010	-.00004	.08918	.00062
#2	.00000	.00033	.00529	.00220	.00064	.00222	.00012	-.00019	.06706	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**-.00030**	W **.06685**	**-.00082**	**-.00328**	**.02679**	**.05732**	**.00268**	**.00003**	**.00083**
Stddev	.00025	.00017	.00063	.00324	.00182	.02596	.05555	.00069	.00005	.00139
%RSD	17.455	57.643	.94349	394.75	55.456	96.903	96.903	25.683	169.80	167.25
#1	-.00124	-.00018	.06640	-.00311	-.00199	.04514	.09660	.00317	-.00001	.00181
#2	-.00159	-.00042	.06729	.00147	-.00456	.00843	.01805	.00219	.00007	-.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00005**	**.02504**	**-.00002**	**.00322**	**.00258**
Stddev	.00017	.00116	.04484	.00002	.00009	.00016
%RSD	521.52	2390.1	179.07	102.68	2.8413	6.3105
#1	-.00009	-.00087	-.00666	-.00001	.00328	.00270
#2	.00015	.00077	.05674	-.00004	.00315	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8702.5**	**118550.**	**7080.5**
Stddev	3.6	303.	5.4
%RSD	.04181	.25577	.07605
#1	8705.1	118770.	7084.3
#2	8699.9	118340.	7076.6

Sample Name: lcs 280-199968/2-a Acquired: 11/11/2013 21:45:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04838**	**1.9070**	**.95425**	**.94991**	**1.9232**	**.04647**	**2.1870**	**46.166**	**.10124**	**.47095**
Stddev	.00042	.0010	.00115	.00114	.0005	.00039	.0047	.069	.00008	.00060
%RSD	.86272	.05090	.12001	.11956	.02626	.83136	.21416	.14965	.07577	.12683
#1	.04868	1.9063	.95506	.94911	1.9236	.04620	2.1903	46.118	.10129	.47053
#2	.04809	1.9077	.95344	.95072	1.9228	.04675	2.1837	46.215	.10118	.47137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19416**	**.24698**	**.93708**	**48.840**	**.94723**	**46.576**	**.46654**	**.97841**	**51.025**	**.47668**
Stddev	.00050	.00047	.00811	.068	.00335	.070	.00025	.00074	.480	.00047
%RSD	.25789	.19127	.86549	.14020	.35324	.15091	.05409	.07558	.94130	.09854
#1	.19451	.24664	.93135	48.791	.94487	46.625	.46672	.97789	50.685	.47634
#2	.19380	.24731	.94282	48.888	.94960	46.526	.46636	.97893	51.365	.47701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7735**	**.47159**	**2.0540**	**.46145**	**1.8901**	**1.2953**	**2.7720**	**1.9276**	**.95501**	**.94970**
Stddev	.0032	.00019	.0004	.00009	.0003	.0151	.0324	.0021	.00064	.00038
%RSD	.03274	.04018	.02152	.01914	.01575	1.1687	1.1687	.10903	.06724	.03980
#1	9.7712	.47173	2.0543	.46152	1.8898	1.2846	2.7491	1.9291	.95546	.94997
#2	9.7757	.47146	2.0537	.46139	1.8903	1.3060	2.7949	1.9261	.95455	.94943
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94548**	**1.8631**	**2.0406**	**.47665**	**.46694**	**.48586**
Stddev	.00149	.0033	.0082	.00062	.00005	.00393
%RSD	.15763	.17679	.40063	.12990	.01105	.80904
#1	.94442	1.8608	2.0348	.47709	.46698	.48308
#2	.94653	1.8655	2.0464	.47621	.46691	.48864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8211.1**	**111110.**	**6921.6**
Stddev	5.2	31.	63.4
%RSD	.06303	.02772	.91668
#1	8207.5	111130.	6966.4
#2	8214.8	111080.	6876.7

Sample Name: 280-48951-b-1-a Acquired: 11/11/2013 21:47:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**58.218**	**.01344**	**.07005**	**.45674**	**.00279**	**-.01872**	W **716.94**	**.00198**	**.04251**
Stddev	.00022	.400	.00388	.00083	.00519	.00013	.00042	9.79	.00002	.00035
%RSD	124.15	.68767	28.835	1.1835	1.1355	4.5465	2.2237	1.3662	.88469	.81733
#1	-.00002	58.501	.01070	.07063	.46040	.00288	-.01901	723.86	.00196	.04275
#2	-.00033	57.935	.01618	.06946	.45307	.00270	-.01843	710.01	.00199	.04226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11694**	**.09974**	**105.27**	**12.902**	**.16033**	**217.48**	**3.6409**	**.00390**	**86.248**	**.11376**
Stddev	.00001	.00011	1.67	.118	.00160	.50	.0104	.00001	.619	.00024
%RSD	.00790	.10978	1.5873	.91625	.99894	.23126	.28675	.21829	.71790	.20924
#1	.11693	.09966	106.45	12.986	.16146	217.84	3.6483	.00389	86.686	.11392
#2	.11695	.09981	104.09	12.819	.15920	217.13	3.6336	.00390	85.810	.11359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8193**	**.04494**	**5.3542**	**.00158**	**.00392**	**3.5591**	**7.6165**	**.00703**	**.71319**	**.03173**
Stddev	.0121	.00123	.0061	.00324	.00339	.0588	.1259	.00022	.00765	.00224
%RSD	.31784	2.7425	.11434	205.55	86.491	1.6525	1.6525	3.1923	1.0726	7.0733
#1	3.8107	.04581	5.3499	-.00071	.00631	3.6007	7.7055	.00719	.71860	.03015
#2	3.8279	.04407	5.3586	.00387	.00152	3.5175	7.5275	.00688	.70779	.03332
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4981**	**.00074**	F **-.13771**	**.13318**	**.27686**	**.08892**
Stddev	.0026	.00172	.01677	.00036	.00067	.00234
%RSD	.17511	231.68	12.180	.27167	.24334	2.6289
#1	1.4963	.00196	-.14957	.13344	.27638	.08727
#2	1.5000	-.00047	-.12585	.13293	.27733	.09058
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.2**	**105840.**	**6941.7**
Stddev	5.7	302.	11.5
%RSD	.07055	.28545	.16547
#1	8094.2	105630.	6933.6
#2	8086.1	106060.	6949.9

Sample Name: 280-48951-b-3-a Acquired: 11/11/2013 21:50:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**79.132**	**.01483**	**.10198**	**.53966**	**.00365**	**-.02533**	W **670.40**	**.00208**	**.04957**
Stddev	.00028	.332	.00318	.00011	.00332	.00012	.00082	11.05	.00001	.00018
%RSD	60462.	.41971	21.456	.10740	.61451	3.1498	3.2253	1.6484	.66497	.35927
#1	.00020	78.897	.01708	.10206	.53732	.00374	-.02476	678.22	.00207	.04944
#2	-.00020	79.367	.01258	.10190	.54201	.00357	-.02591	662.59	.00209	.04970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14414**	**.10948**	**124.31**	**18.320**	**.19738**	**233.80**	**4.3971**	**.00317**	**71.893**	**.12960**
Stddev	.00021	.00088	1.61	.102	.00319	.14	.0691	.00028	.047	.00012
%RSD	.14593	.80365	1.2958	.55800	1.6173	.05835	1.5711	8.7527	.06572	.09620
#1	.14399	.11011	123.17	18.248	.19513	233.70	4.3483	.00336	71.927	.12951
#2	.14429	.10886	125.45	18.392	.19964	233.90	4.4460	.00297	71.860	.12969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8948**	**.04912**	**5.1901**	**.00230**	**-.00147**	**3.4731**	**7.4324**	**.00782**	**.73936**	**.03534**
Stddev	.0025	.00154	.0106	.00073	.00050	.0087	.0185	.00038	.00478	.00215
%RSD	.06482	3.1398	.20459	31.619	34.048	.24944	.24944	4.8969	.64646	6.0720
#1	3.8930	.05021	5.1826	.00281	-.00111	3.4792	7.4455	.00809	.73598	.03685
#2	3.8966	.04803	5.1976	.00178	-.00182	3.4669	7.4192	.00755	.74274	.03382
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9381**	**-.00233**	F **-.18721**	**.17063**	**.33086**	**.11525**
Stddev	.0005	.00014	.01943	.00074	.00025	.00073
%RSD	.02774	5.8273	10.376	.43449	.07616	.63441
#1	1.9377	-.00243	-.17348	.17010	.33068	.11577
#2	1.9385	-.00223	-.20095	.17115	.33104	.11474
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8112.3**	**105580.**	**6971.8**
Stddev	2.5	165.	28.1
%RSD	.03135	.15582	.40320
#1	8110.5	105690.	6991.6
#2	8114.1	105460.	6951.9

Sample Name: 280-48951-b-3-aSD@5 Acquired: 11/11/2013 21:52:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**16.354**	**.00397**	**.02105**	**.11195**	**.00078**	**-.00634**	**145.32**	**.00079**	**.01101**
Stddev	.00013	.136	.00023	.00004	.00036	.00006	.00104	.79	.00007	.00008
%RSD	41.756	.83080	5.7872	.20459	.32138	7.3184	16.372	.54606	8.9783	.72021
#1	.00022	16.258	.00413	.02108	.11169	.00083	-.00708	144.76	.00084	.01107
#2	.00040	16.450	.00380	.02102	.11220	.00074	-.00561	145.88	.00074	.01096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03020**	**.02254**	**25.374**	**3.6530**	**.04073**	**49.186**	**.93401**	**.00051**	**14.888**	**.02849**
Stddev	.00003	.00059	.104	.0438	.00036	.107	.00101	.00011	.091	.00012
%RSD	.08759	2.6255	.41114	1.1999	.87457	.21658	.10802	21.257	.61181	.43579
#1	.03022	.02213	25.301	3.6220	.04048	49.261	.93472	.00059	14.952	.02857
#2	.03019	.02296	25.448	3.6840	.04098	49.111	.93330	.00043	14.823	.02840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78289**	**.01187**	**1.0635**	**-.00086**	**.00059**	**.69838**	**1.4945**	**.00357**	**.15339**	**.00897**
Stddev	.00163	.00101	.0009	.00065	.00386	.01146	.0245	.00056	.00123	.00061
%RSD	.20854	8.4863	.08326	74.769	655.83	1.6410	1.6410	15.771	.80394	6.7884
#1	.78173	.01258	1.0629	-.00132	.00332	.69028	1.4772	.00318	.15252	.00854
#2	.78404	.01116	1.0642	-.00041	-.00214	.70649	1.5119	.00397	.15426	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39905**	**-.00008**	**-.03456**	**.03550**	**.07614**	**.02642**
Stddev	.00109	.00058	.03583	.00015	.00021	.00046
%RSD	.27436	751.29	103.67	.41194	.28092	1.7600
#1	.39982	-.00049	-.00923	.03560	.07599	.02609
#2	.39827	.00033	-.05990	.03540	.07630	.02675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8242.1**	**108700.**	**6661.1**
Stddev	3.6	29.	41.5
%RSD	.04406	.02675	.62302
#1	8239.6	108720.	6690.5
#2	8244.7	108680.	6631.8

Sample Name: 280-48951-b-3-b ms Acquired: 11/11/2013 21:54:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04763	136.48	.91806	1.0443	2.5665	.04858	F 1.9546	W 782.91	.09724	.46259
Stddev	.00074	.22	.00123	.0027	.0178	.00005	.0083	3.37	.00081	.00136
%RSD	1.5509	.15870	.13362	.25471	.69332	.10409	.42652	.43006	.82805	.29312
#1	.04711	136.32	.91893	1.0462	2.5539	.04854	1.9605	785.29	.09781	.46354
#2	.04816	136.63	.91720	1.0424	2.5791	.04862	1.9487	780.53	.09667	.46163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37174	.35642	147.06	87.121	1.1872	304.20	5.2577	.87781	127.72	.55543
Stddev	.00050	.00018	.73	.509	.0068	.14	.0458	.00211	.48	.00094
%RSD	.13316	.05013	.49477	.58418	.57122	.04729	.87170	.24032	.37595	.16854
#1	.37209	.35629	146.55	86.761	1.1824	304.30	5.2253	.87931	127.38	.55609
#2	.37139	.35655	147.58	87.481	1.1920	304.10	5.2901	.87632	128.05	.55476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.382	.45238	7.1683	.25016	1.7420	6.6487	14.228	1.6686	1.7682	.95663
Stddev	.022	.00063	.0109	.00127	.0030	.0404	.087	.0084	.0094	.00386
%RSD	.16120	.13921	.15236	.50571	.17240	.60824	.60824	.50359	.53360	.40389
#1	13.397	.45283	7.1760	.25106	1.7399	6.6201	14.167	1.6745	1.7616	.95936
#2	13.367	.45194	7.1606	.24927	1.7441	6.6773	14.289	1.6626	1.7749	.95390
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9272	1.4825	1.7115	.70742	.79767	.62694
Stddev	.0005	.0056	.0014	.00130	.00274	.00110
%RSD	.01228	.37730	.08024	.18344	.34323	.17598
#1	3.9276	1.4864	1.7106	.70834	.79961	.62616
#2	3.9269	1.4785	1.7125	.70651	.79573	.62772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8063.1	104860.	6891.8
Stddev	18.6	165.	25.2
%RSD	.23044	.15720	.36537
#1	8050.0	104740.	6874.0
#2	8076.2	104970.	6909.6

Sample Name: 280-48951-b-3-c msd Acquired: 11/11/2013 21:57:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04782**	**133.62**	**.92287**	**1.0731**	**2.5128**	**.04859**	F **1.9707**	W **691.48**	**.09781**	**.46128**
Stddev	.00033	.38	.00147	.0021	.0066	.00029	.0018	12.87	.00022	.00060
%RSD	.69274	.28685	.15950	.19116	.26330	.58724	.08907	1.8615	.22626	.12919
#1	.04758	133.35	.92392	1.0717	2.5081	.04839	1.9695	700.59	.09766	.46086
#2	.04805	133.89	.92183	1.0746	2.5175	.04880	1.9720	682.38	.09797	.46170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36405**	**.34873**	**135.11**	**87.387**	**1.1678**	**279.75**	**4.7570**	**.87776**	**119.87**	**.54734**
Stddev	.00055	.00030	.06	.237	.0004	.63	.0044	.00188	.55	.00019
%RSD	.15159	.08544	.04622	.27096	.03037	.22398	.09271	.21432	.45487	.03529
#1	.36366	.34894	135.15	87.220	1.1681	279.31	4.7601	.87643	119.49	.54720
#2	.36444	.34852	135.06	87.555	1.1676	280.19	4.7539	.87909	120.26	.54747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.980**	**.45337**	**6.7118**	**.24808**	**1.7578**	**6.0843**	**13.020**	**1.6711**	**1.6807**	**.95411**
Stddev	.034	.00197	.0004	.00278	.0009	.0333	.071	.0078	.0019	.00268
%RSD	.26242	.43529	.00669	1.1197	.05208	.54773	.54773	.46720	.11297	.28067
#1	12.956	.45197	6.7121	.24612	1.7572	6.0607	12.970	1.6655	1.6794	.95222
#2	13.004	.45476	6.7115	.25005	1.7584	6.1079	13.071	1.6766	1.6821	.95601
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9474**	**1.4972**	**1.7495**	**.70267**	**.76077**	**.61651**
Stddev	.0031	.0003	.0471	.00080	.00112	.00179
%RSD	.07916	.01802	2.6942	.11454	.14749	.29102
#1	3.9452	1.4970	1.7828	.70324	.75998	.61778
#2	3.9496	1.4974	1.7161	.70211	.76157	.61524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.2**	**106260.**	**7040.2**
Stddev	21.0	103.	17.6
%RSD	.25829	.09728	.24989
#1	8130.0	106330.	7027.7
#2	8100.4	106190.	7052.6

Sample Name: 280-48951-b-4-a Acquired: 11/11/2013 21:59:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**42.955**	**.03001**	**.06661**	**.41406**	**.00203**	**-.01477**	**297.75**	**.01064**	**.03086**
Stddev	.00001	.028	.00165	.00045	.00093	.00001	.00280	.63	.00012	.00008
%RSD	.32319	.06477	5.4827	.67929	.22575	.39909	18.946	.21312	1.0956	.25952
#1	.00296	42.975	.03118	.06629	.41340	.00202	-.01280	298.20	.01056	.03092
#2	.00297	42.935	.02885	.06693	.41472	.00203	-.01675	297.30	.01072	.03080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35320**	**.43274**	**79.750**	**9.1781**	**.07840**	**142.43**	**1.6994**	**.01273**	**1.4759**	**.11722**
Stddev	.00072	.00204	.412	.0026	.00196	.66	.0014	.00008	.0228	.00072
%RSD	.20307	.47224	.51722	.02789	2.4944	.46259	.08021	.59664	1.5443	.61454
#1	.35269	.43130	80.042	9.1799	.07978	142.89	1.7004	.01268	1.4920	.11671
#2	.35371	.43419	79.458	9.1762	.07702	141.96	1.6984	.01279	1.4598	.11773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.6310**	**.72714**	**9.3909**	**.00322**	**.00325**	**2.5595**	**5.4773**	**.03162**	**.36061**	**.01751**
Stddev	.0134	.00375	.0173	.00173	.00085	.0068	.0146	.00068	.00013	.00040
%RSD	.28882	.51595	.18453	53.676	26.151	.26604	.26604	2.1356	.03730	2.2714
#1	4.6216	.72448	9.3787	.00445	.00265	2.5643	5.4876	.03115	.36071	.01723
#2	4.6405	.72979	9.4032	.00200	.00386	2.5547	5.4670	.03210	.36052	.01779
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96013**	**.00139**	F **-.12059**	**.10505**	**1.8216**	**.02855**
Stddev	.00182	.00132	.01431	.00051	.0005	.00020
%RSD	.18919	94.934	11.865	.48433	.02597	.70490
#1	.96141	.00046	-.13071	.10469	1.8219	.02870
#2	.95885	.00232	-.11048	.10541	1.8212	.02841
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8315.2**	**109760.**	**7009.3**
Stddev	24.0	495.	76.8
%RSD	.28832	.45095	1.0956
#1	8332.2	109410.	7063.6
#2	8298.3	110110.	6955.0

Sample Name: 280-48951-b-5-a Acquired: 11/11/2013 22:02:07 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**44.335**	**.03000**	**.06220**	**.43216**	**.00212**	**-.01577**	**355.67**	**.01031**	**.03494**
Stddev	.00002	.028	.00286	.00049	.00017	.00003	.00193	9.27	.00023	.00024
%RSD	1.0202	.06240	9.5243	.78822	.03886	1.4055	12.259	2.6072	2.1914	.67737
#1	.00210	44.315	.03203	.06186	.43228	.00214	-.01714	349.12	.01047	.03511
#2	.00207	44.354	.02798	.06255	.43204	.00210	-.01441	362.23	.01016	.03478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35046**	**.46543**	**85.430**	**9.1757**	**.08366**	**165.10**	**1.8086**	**.01268**	**4.2470**	**.11976**
Stddev	.00042	.00064	.849	.0329	.00263	.16	.0031	.00020	.0193	.00023
%RSD	.11891	.13847	.99391	.35889	3.1392	.09449	.16912	1.5621	.45361	.19184
#1	.35017	.46497	86.030	9.1990	.08552	164.99	1.8065	.01282	4.2606	.11960
#2	.35076	.46588	84.829	9.1524	.08181	165.21	1.8108	.01254	4.2334	.11992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.8586**	**.87058**	**12.254**	**.00343**	**.00099**	**2.5785**	**5.5180**	**.03290**	**.43008**	**.01582**
Stddev	.0119	.00027	.004	.00149	.00032	.0372	.0796	.00068	.00110	.00319
%RSD	.24466	.03147	.03480	43.538	31.891	1.4421	1.4421	2.0577	.25553	20.160
#1	4.8501	.87039	12.251	.00449	.00077	2.6048	5.5743	.03242	.43085	.01356
#2	4.8670	.87077	12.257	.00237	.00122	2.5522	5.4617	.03338	.42930	.01807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0882**	**.00031**	W **-.09622**	**.11764**	**1.8638**	**.03636**
Stddev	.0003	.00084	.02935	.00044	.0054	.00215
%RSD	.02569	269.82	30.503	.37374	.29077	5.9062
#1	1.0884	-.00028	-.07547	.11733	1.8600	.03788
#2	1.0880	.00090	-.11698	.11795	1.8677	.03484
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8260.9**	**108590.**	**6950.4**
Stddev	5.0	319.	4.3
%RSD	.06071	.29338	.06239
#1	8264.4	108370.	6953.5
#2	8257.3	108820.	6947.4

Sample Name: 280-48951-b-7-a Acquired: 11/11/2013 22:04:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01473**	**80.878**	**.07601**	**.09561**	**.77153**	**.00460**	**-.01844**	**385.79**	**.04034**	**.05523**
Stddev	.00046	.449	.00032	.00027	.00202	.00001	.00260	3.68	.00012	.00039
%RSD	3.1280	.55524	.42016	.28537	.26126	.31912	14.105	.95360	.29383	.70296
#1	.01440	80.560	.07579	.09542	.77010	.00459	-.02028	388.39	.04042	.05496
#2	.01505	81.195	.07624	.09580	.77295	.00461	-.01660	383.19	.04025	.05551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79277**	**.55698**	**134.31**	**15.842**	**.16166**	**185.11**	**2.6611**	**.01772**	**12.436**	**.20092**
Stddev	.00096	.00113	.31	.074	.00274	.49	.0293	.00001	.045	.00008
%RSD	.12137	.20344	.23241	.46956	1.6977	.26479	1.0998	.06655	.36015	.03827
#1	.79345	.55618	134.09	15.789	.15972	184.76	2.6404	.01772	12.405	.20086
#2	.79209	.55778	134.53	15.894	.16360	185.45	2.6818	.01773	12.468	.20097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5977**	**2.3015**	**15.456**	**.00792**	**.00395**	**2.8785**	**6.1599**	**.07274**	**.69243**	**.03150**
Stddev	.0087	.0037	.007	.00189	.00048	.0312	.0667	.00001	.00176	.00098
%RSD	.11476	.16139	.04278	23.850	12.058	1.0834	1.0834	.01585	.25372	3.1123
#1	7.5915	2.3041	15.461	.00925	.00429	2.8564	6.1127	.07275	.69118	.03219
#2	7.6038	2.2989	15.452	.00658	.00361	2.9005	6.2071	.07274	.69367	.03080
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3572**	**-.00026**	F **-.12852**	**.17839**	**2.9312**	**.06502**
Stddev	.0003	.00135	.02930	.00027	.0081	.00031
%RSD	.02520	521.94	22.801	.14939	.27729	.46987
#1	1.3575	.00070	-.14924	.17858	2.9369	.06524
#2	1.3570	-.00121	-.10780	.17820	2.9254	.06481
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8379.8**	**109330.**	**7171.2**
Stddev	24.3	230.	12.1
%RSD	.28994	.21075	.16844
#1	8362.6	109490.	7179.7
#2	8397.0	109160.	7162.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 22:07:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00808**	**51.569**	**.00104**	**.00085**	**.00007**	**-.00013**	W **1.0985**	**.06957**	**-.00011**	**-.00038**	**.00023**	**.01235**
Stddev	.00016	.278	.00069	.00045	.00018	.00005	.0002	.00726	.00000	.00008	.00006	.00038
%RSD	1.9397	.53993	66.852	52.261	273.94	39.224	.01861	10.436	4.5212	20.130	24.080	3.1110
#1	.00819	51.766	.00055	.00117	-.00006	-.00010	1.0984	.07470	-.00010	-.00043	.00027	.01262
#2	.00797	51.372	.00153	.00054	.00019	-.00017	1.0987	.06443	-.00011	-.00032	.00019	.01208
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.632**	**-.00821**	**-.00253**	**.10332**	**.00103**	**.00003**	**265.86**	**-.00003**	**-.00356**	**.00084**	W **5.2786**	**.00139**
Stddev	.661	.01275	.00082	.00309	.00002	.00001	.23	.00034	.00060	.00048	.0017	.00152
%RSD	1.3061	155.32	32.340	2.9926	2.1625	31.663	.08554	1217.0	16.842	56.897	.03217	109.18
#1	51.100	.00081	-.00311	.10551	.00101	.00004	266.02	-.00027	-.00314	.00050	5.2798	.00247
#2	50.164	-.01722	-.00195	.10113	.00104	.00002	265.70	.00021	-.00398	.00118	5.2774	.00032
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00588**	**.01371**	**.02934**	**.00030**	**.00024**	**4.9985**	**-.01279**	**.00076**	F **6.3517**	**.00125**	**.00187**	**.06336**
Stddev	.00109	.00494	.01058	.00089	.00003	.0150	.00028	.00014	.0409	.00004	.00004	.00842
%RSD	18.558	36.055	36.055	295.62	11.807	.30077	2.1944	18.260	.64333	3.2781	1.9152	13.294
#1	-.00665	.01720	.03681	.00093	.00022	4.9878	-.01259	.00067	6.3806	.00122	.00190	.06931
#2	-.00511	.01021	.02186	-.00033	.00026	5.0091	-.01299	.00086	6.3228	.00128	.00185	.05740
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.2**	**108550.**	**6661.1**
Stddev	6.7	356.	19.1
%RSD	.08191	.32826	.28721
#1	8200.9	108300.	6647.6
#2	8191.4	108810.	6674.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 22:09:23 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52212**	F **.55743**	**1.0386**	**.52357**	**.52088**	**.50762**	**-.00554**	**5.2733**	**.52582**	**.52300**	**.52581**	**.52531**	**2.5539**
Stddev	.00147	.00073	.0064	.00029	.00281	.00438	.00085	.0211	.00045	.00031	.00065	.00015	.0008
%RSD	.28150	.13026	.61430	.05568	.54013	.86277	15.243	.40024	.08556	.05869	.12320	.02847	.03312
#1	.52108	.55794	1.0341	.52337	.51889	.50452	-.00495	5.2584	.52551	.52278	.52627	.52521	2.5533
#2	.52316	.55691	1.0431	.52378	.52287	.51072	-.00614	5.2882	.52614	.52322	.52535	.52542	2.5545
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.154**	**1.0307**	**20.805**	**.51499**	**.53149**	**5.3191**	**.52892**	**1.0460**	**1.0659**	**.04482**	**1.0519**	**1.0512**	**5.0664**
Stddev	.190	.0049	.024	.00076	.00382	.0289	.00017	.0085	.0068	.00349	.0037	.0014	.0137
%RSD	.35738	.47063	.11317	.14691	.71928	.54387	.03236	.81569	.63470	7.7784	.35116	.13775	.27093
#1	53.019	1.0273	20.788	.51446	.52878	5.2987	.52904	1.0400	1.0611	.04729	1.0493	1.0523	5.0567
#2	53.288	1.0342	20.821	.51553	.53419	5.3396	.52880	1.0520	1.0706	.04236	1.0545	1.0502	5.0761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.842**	**1.0635**	**.51895**	**-.00367**	**.51026**	**1.0707**	**.02940**	**.51759**	**.52906**	**.51908**
Stddev	.029	.0010	.00255	.00119	.00082	.0021	.02783	.00136	.00016	.00268
%RSD	.27093	.09261	.49081	32.500	.16083	.19670	94.680	.26327	.02979	.51595
#1	10.821	1.0642	.51715	-.00451	.50968	1.0722	.04908	.51855	.52895	.52098
#2	10.863	1.0628	.52075	-.00282	.51084	1.0692	.00972	.51663	.52918	.51719
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.5**	**111470.**	**6762.1**
Stddev	12.4	421.	26.2
%RSD	.14803	.37759	.38750
#1	8356.7	111770.	6780.7
#2	8374.2	111170.	6743.6

Sample Name: CCB Acquired: 11/11/2013 22:11:30 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00099**	**.00062**	**-.00024**	**-.00032**	**.00002**	**-.00188**	**.01990**	**.00000**	**.00017**	**-.00007**	**.00010**
Stddev	.00003	.00005	.00292	.00025	.00021	.00009	.00082	.00102	.0000	.00004	.00012	.00051
%RSD	4.8553	4.9527	474.68	105.75	64.988	450.63	43.775	5.1308	339.50	26.074	174.40	522.13
#1	.00063	-.00095	-.00145	-.00006	-.00017	.00008	-.00130	.01918	.00001	.00020	-.00016	-.00026
#2	.00059	-.00102	.00268	-.00042	-.00046	-.00004	-.00246	.02062	-.00002	.00014	.00002	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.03775**	**-.00160**	**.00597**	**.00013**	**.00054**	**-.00979**	**.00034**	**-.00397**	**-.00084**	**.04704**	F **.00795**
Stddev	.00336	.03107	.00146	.00283	.00000	.00018	.00752	.00024	.00173	.00020	.00058	.00119
%RSD	85.122	82.300	91.149	47.394	3.5857	34.351	76.825	70.731	43.580	23.365	1.2225	14.904
#1	.00632	-.01578	-.00057	.00397	.00013	.00067	-.01511	.00051	-.00520	-.00070	.04663	.00712
#2	.00157	-.05972	-.00263	.00797	.00013	.00041	-.00447	.00017	-.00275	-.00098	.04744	.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.01064**	**.02276**	**.00033**	**.00003**	**.00070**	**-.00031**	**-.00038**	**-.00427**	**.00034**	**.00303**	W **.00287**
Stddev	.00053	.00721	.01543	.00005	.00002	.00241	.00008	.00114	.00957	.00057	.00025	.00141
%RSD	53.446	67.802	67.802	15.939	69.001	343.50	25.112	300.23	223.94	167.32	8.3332	49.234
#1	.00062	.01574	.03368	.00029	.00002	-.00100	-.00036	.00043	.00249	-.00006	.00285	.00387
#2	.00137	.00554	.01185	.00036	.00005	.00241	-.00025	-.00119	-.01104	.00074	.00321	.00187
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8430.9**	**113780.**	**6612.3**
Stddev	15.3	474.	38.0
%RSD	.18111	.41637	.57423
#1	8420.1	114120.	6585.4
#2	8441.7	113450.	6639.1

Sample Name: CCVL2372865 Acquired: 11/11/2013 22:13:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01158**	**.11446**	**.01491**	**.10367**	**.01045**	**.00101**	F **.13025**	**.22634**	**.00540**	**.01113**	**.01098**	**.01686**	**.10858**
Stddev	.00004	.00072	.00192	.00092	.00017	.00006	.00176	.00568	.00017	.00015	.00009	.00001	.00192
%RSD	.37637	.62702	12.881	.88933	1.6348	6.2523	1.3548	2.5089	3.1278	1.3223	.82004	.04548	1.7638
#1	.01155	.11396	.01355	.10432	.01057	.00096	.13150	.22232	.00552	.01123	.01091	.01687	.10723
#2	.01161	.11497	.01626	.10301	.01033	.00105	.12900	.23036	.00529	.01103	.01104	.01686	.10993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2320**	**.00961**	**.22520**	**.01066**	**.02109**	**1.0903**	**.04446**	**3.0938**	**.00990**	**.04152**	**.01062**	**.01590**	**.51505**
Stddev	.0706	.00044	.00240	.00000	.00013	.0227	.00004	.0123	.00029	.00037	.00059	.00215	.01139
%RSD	2.1840	4.6024	1.0657	.00780	.60752	2.0844	.09926	.39861	2.9755	.88479	5.5976	13.502	2.2113
#1	3.1821	.00930	.22690	.01066	.02100	1.0742	.04449	3.1026	.01010	.04178	.01020	.01742	.50700
#2	3.2819	.00993	.22350	.01066	.02118	1.1064	.04443	3.0851	.00969	.04126	.01104	.01439	.52310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1022**	**.10857**	**.01061**	**.01524**	**.00961**	**.01822**	F **.10370**	**.01056**	**.02410**	**.01738**
Stddev	.0244	.00051	.00006	.00083	.00030	.00006	.01275	.00053	.00019	.00009
%RSD	2.2113	.47076	.56467	5.4691	3.0750	.32601	12.296	4.9749	.78196	.49589
#1	1.0850	.10821	.01065	.01465	.00982	.01817	.09468	.01093	.02397	.01744
#2	1.1194	.10894	.01057	.01583	.00940	.01826	.11272	.01018	.02423	.01732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8606.6**	**117560.**	**6783.2**
Stddev	65.8	287.	35.4
%RSD	.76471	.24446	.52255
#1	8653.1	117760.	6808.2
#2	8560.1	117360.	6758.1

Sample Name: 280-48951-b-9-a Acquired: 11/11/2013 22:16:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**80.594**	**.01622**	**.10555**	**.49521**	**.00369**	**-.02285**	W **764.86**	**.00276**	**.05402**
Stddev	.00046	.026	.00107	.00057	.00147	.00006	.00219	4.89	.00006	.00019
%RSD	268.35	.03256	6.5704	.54145	.29626	1.7198	9.5811	.63918	2.2815	.34374
#1	.00015	80.575	.01697	.10514	.49624	.00374	-.02440	761.40	.00280	.05389
#2	-.00049	80.612	.01547	.10595	.49417	.00365	-.02130	768.31	.00271	.05415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15126**	**.12692**	**130.04**	**18.027**	**.20757**	**305.29**	**4.4376**	**.00354**	**22.525**	**.13755**
Stddev	.00020	.00019	.79	.038	.00233	.60	.0521	.00022	.199	.00010
%RSD	.13327	.14663	.60811	.21062	1.1239	.19569	1.1749	6.2575	.88340	.07184
#1	.15112	.12706	129.48	18.000	.20592	305.72	4.4007	.00339	22.384	.13762
#2	.15141	.12679	130.60	18.054	.20922	304.87	4.4744	.00370	22.666	.13748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9186**	**.07273**	**4.3627**	**.00404**	**-.00129**	**3.0761**	**6.5829**	**.00894**	**.80929**	**.03751**
Stddev	.0056	.00066	.0049	.00281	.00135	.0614	.1314	.00022	.00068	.00137
%RSD	.14377	.90743	.11236	69.705	105.22	1.9958	1.9958	2.4985	.08367	3.6436
#1	3.9146	.07320	4.3592	.00205	-.00033	3.0327	6.4900	.00878	.80977	.03847
#2	3.9226	.07227	4.3662	.00603	-.00224	3.1195	6.6758	.00909	.80881	.03654
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9482**	**-.00153**	F **-.16236**	**.18255**	**.43553**	**.11497**
Stddev	.0028	.00149	.02602	.00055	.00087	.00149
%RSD	.14390	97.442	16.025	.29884	.19957	1.2919
#1	1.9502	-.00048	-.18076	.18217	.43492	.11602
#2	1.9462	-.00259	-.14397	.18294	.43615	.11392
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8111.9**	**106010.**	**6976.8**
Stddev	9.2	202.	14.0
%RSD	.11376	.19074	.20064
#1	8105.4	106160.	6966.9
#2	8118.4	105870.	6986.7

Sample Name: 280-48951-b-11-a Acquired: 11/11/2013 22:18:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**56.907**	**.02066**	**.08067**	**.56042**	**.00259**	**-.01934**	W **821.10**	**.00250**	**.04308**
Stddev	.00028	.193	.00126	.00036	.00040	.00008	.00127	10.87	.00015	.00020
%RSD	186.25	.33970	6.1072	.44037	.07159	2.8993	6.5698	1.3235	6.0636	.46037
#1	.00034	57.044	.02155	.08092	.56014	.00265	-.02024	813.42	.00260	.04294
#2	-.00005	56.770	.01977	.08042	.56070	.00254	-.01845	828.78	.00239	.04322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10634**	**.11932**	**104.46**	**13.304**	**.15678**	**223.29**	**3.4908**	**.01309**	**24.888**	**.11123**
Stddev	.00007	.00014	.16	.053	.00055	1.57	.0215	.00003	.050	.00071
%RSD	.06362	.11603	.14838	.39762	.35146	.70214	.61477	.23555	.20065	.63971
#1	.10638	.11941	104.35	13.342	.15717	222.18	3.5060	.01311	24.923	.11073
#2	.10629	.11922	104.57	13.267	.15639	224.40	3.4757	.01307	24.852	.11173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.1644**	**.04938**	**28.271**	**.00019**	**.00477**	**2.7229**	**5.8270**	**.00572**	**1.5083**	**.02559**
Stddev	.0040	.00176	.034	.00035	.00068	.0084	.0179	.00036	.0018	.00278
%RSD	.12785	3.5721	.12198	183.30	14.338	.30737	.30737	6.2210	.11986	10.877
#1	3.1673	.04813	28.246	.00044	.00525	2.7288	5.8396	.00547	1.5071	.02362
#2	3.1615	.05063	28.295	-.00006	.00428	2.7170	5.8143	.00597	1.5096	.02756
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4245**	**-.00014**	F **-.14483**	**.14860**	**.37531**	**.08408**
Stddev	.0046	.00150	.01330	.00023	.00060	.00235
%RSD	.32418	1098.3	9.1829	.15476	.15955	2.7964
#1	1.4212	-.00119	-.15423	.14844	.37489	.08574
#2	1.4277	.00092	-.13543	.14876	.37573	.08242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8052.9**	**106250.**	**7038.8**
Stddev	8.6	462.	.5
%RSD	.10680	.43453	.00726
#1	8046.8	106580.	7039.1
#2	8059.0	105930.	7038.4

Sample Name: 280-48951-b-12-a Acquired: 11/11/2013 22:21:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01273**	**85.833**	**.08766**	**.09583**	**.88283**	**.00503**	**-.02296**	**445.14**	**.04503**	**.06231**
Stddev	.00008	.071	.00189	.00042	.00138	.00000	.00213	13.18	.00011	.00005
%RSD	.62616	.08228	2.1525	.43771	.15681	.02641	9.2981	2.9602	.24682	.08037
#1	.01267	85.783	.08633	.09613	.88381	.00503	-.02447	435.83	.04511	.06235
#2	.01278	85.883	.08900	.09554	.88185	.00503	-.02145	454.46	.04496	.06227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0189**	**.68337**	**151.81**	**15.856**	**.17116**	**207.83**	**2.9621**	**.02056**	**15.435**	**.23011**
Stddev	.0032	.00129	.39	.015	.00108	1.57	.0092	.00030	.065	.00023
%RSD	.31907	.18865	.25838	.09328	.63217	.75444	.31167	1.4569	.42313	.09998
#1	1.0212	.68246	152.09	15.866	.17193	208.94	2.9556	.02035	15.389	.23027
#2	1.0166	.68428	151.54	15.846	.17040	206.72	2.9687	.02077	15.481	.22995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.9692**	**2.6828**	**17.596**	**.01531**	**.00448**	**2.8381**	**6.0736**	**.08661**	**.79105**	**.03073**
Stddev	.0312	.0052	.074	.00203	.00105	.0195	.0417	.00001	.00114	.00223
%RSD	.34798	.19471	.42107	13.281	23.420	.68663	.68663	.00833	.14391	7.2401
#1	8.9913	2.6865	17.649	.01674	.00374	2.8519	6.1031	.08661	.79186	.03231
#2	8.9472	2.6791	17.544	.01387	.00523	2.8243	6.0441	.08660	.79025	.02916
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3226**	**-.00036**	F **-.12690**	**.19406**	**3.4512**	**.06609**
Stddev	.0049	.00034	.07847	.00049	.0042	.00091
%RSD	.36642	94.224	61.840	.24997	.12154	1.3794
#1	1.3260	-.00060	-.18238	.19440	3.4542	.06673
#2	1.3192	-.00012	-.07141	.19372	3.4483	.06545
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8388.7**	**110450.**	**7236.9**
Stddev	39.4	8.	9.9
%RSD	.46962	.00703	.13743
#1	8360.9	110440.	7243.9
#2	8416.6	110450.	7229.8

Sample Name: 280-48951-b-14-a Acquired: 11/11/2013 22:23:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**39.646**	**.01824**	**.06946**	**.26888**	**.00189**	**-.01406**	W **734.03**	**.00245**	**.03626**
Stddev	.00033	.128	.00162	.00114	.00109	.00001	.00051	8.18	.00001	.00062
%RSD	144.25	.32171	8.8696	1.6353	.40618	.27078	3.5959	1.1138	.22850	1.7133
#1	.00000	39.736	.01939	.06866	.26965	.00189	-.01370	739.81	.00244	.03582
#2	.00046	39.556	.01710	.07027	.26811	.00189	-.01442	728.25	.00245	.03670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07911**	**.10068**	**80.577**	**8.7178**	**.11487**	**308.74**	**3.8548**	**.00814**	**10.274**	W **10.824**
Stddev	.00031	.00010	.119	.0659	.00041	.71	.0167	.00003	.029	.156
%RSD	.39391	.09668	.14802	.75611	.35503	.23031	.43198	.41936	.28614	1.4426
#1	.07889	.10075	80.661	8.7644	.11515	308.24	3.8430	.00816	10.295	10.714
#2	.07933	.10061	80.493	8.6712	.11458	309.24	3.8665	.00811	10.254	10.934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08344**	W **2.3804**	**.04472**	**23.859**	**.00177**	**.00020**	**2.5867**	**5.5356**	**.00504**	**1.1899**
Stddev	.00010	.0073	.00030	.003	.00065	.00192	.0242	.0518	.00027	.0044
%RSD	.11426	.30489	.66524	.01120	36.742	981.25	.93600	.93600	5.3600	.36717
#1	.08337	2.3753	.04451	23.857	.00223	.00155	2.6039	5.5723	.00485	1.1930
#2	.08351	2.3855	.04493	23.861	.00131	-.00116	2.5696	5.4990	.00523	1.1868
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01927**	**1.2947**	**-.00127**	F **-.11667**	**.12164**	**.36393**	**.06265**
Stddev	.00051	.0053	.00063	.02283	.00032	.00099	.00184
%RSD	2.6336	.41038	50.050	19.568	.26297	.27233	2.9361
#1	.01891	1.2909	-.00172	-.13281	.12187	.36323	.06135
#2	.01963	1.2984	-.00082	-.10053	.12141	.36463	.06395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8046.1**	**105910.**	**6987.5**
Stddev	16.4	101.	1.6
%RSD	.20399	.09512	.02361
#1	8034.5	105980.	6988.7
#2	8057.8	105840.	6986.3

Sample Name: 280-48860-a-1-a Acquired: 11/11/2013 22:26:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**96.991**	**.07410**	**.06845**	**.99877**	**.00242**	**-.02462**	**72.037**	**.00125**	**.04286**
Stddev	.00021	.013	.00041	.00024	.00068	.00002	.00243	.080	.00001	.00010
%RSD	34.423	.01332	.55138	.35105	.06767	.78566	9.8668	.11098	1.0677	.24277
#1	-.00075	96.982	.07439	.06828	.99925	.00243	-.02290	71.980	.00124	.04278
#2	-.00045	97.000	.07381	.06862	.99829	.00240	-.02634	72.093	.00126	.04293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29103**	**.07216**	**95.323**	**14.541**	**.03530**	**52.840**	**1.7479**	**.00129**	**6.5792**	**.41482**
Stddev	.00029	.00068	.524	.035	.00066	.016	.0004	.00004	.0129	.00109
%RSD	.10124	.93744	.54979	.23880	1.8649	.03043	.02112	2.7758	.19615	.26299
#1	.29082	.07168	95.694	14.565	.03576	52.851	1.7477	.00132	6.5700	.41405
#2	.29124	.07264	94.953	14.516	.03483	52.828	1.7482	.00127	6.5883	.41559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6035**	**.08416**	**.62356**	**-.00387**	**-.00145**	**3.2553**	**6.9663**	**.00777**	**.52306**	**.02723**
Stddev	.0038	.00037	.00125	.00294	.00043	.0886	.1895	.00038	.00059	.00258
%RSD	.10539	.44136	.20104	75.915	29.857	2.7203	2.7203	4.8893	.11275	9.4634
#1	3.6009	.08389	.62268	-.00595	-.00114	3.3179	7.1003	.00804	.52264	.02541
#2	3.6062	.08442	.62445	-.00179	-.00175	3.1927	6.8323	.00750	.52347	.02905
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8238**	**-.00279**	F **-.12426**	**.27261**	**.18661**	**.02402**
Stddev	.0043	.00020	.01748	.00086	.00035	.00250
%RSD	.23876	7.1535	14.071	.31657	.18664	10.399
#1	1.8208	-.00265	-.13662	.27322	.18685	.02226
#2	1.8269	-.00293	-.11189	.27200	.18636	.02579
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8823.9**	**116970.**	**7276.2**
Stddev	6.7	200.	25.7
%RSD	.07622	.17117	.35296
#1	8819.1	116830.	7294.4
#2	8828.7	117120.	7258.1

Sample Name: 280-48860-a-2-a Acquired: 11/11/2013 22:28:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**171.29**	**.15803**	**.10524**	**1.4848**	**.00220**	W **-.08427**	W **758.53**	**.00299**	**.18880**
Stddev	.00044	1.16	.00577	.00006	.0054	.00011	.00899	16.61	.00028	.00037
%RSD	116.67	.67866	3.6518	.05776	.36205	4.9672	10.665	2.1893	9.5260	.19643
#1	-.00069	172.11	.16211	.10529	1.4886	.00212	-.09063	770.27	.00319	.18907
#2	-.00007	170.47	.15394	.10520	1.4810	.00228	-.07792	746.79	.00279	.18854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.05000	500.00		
Low Limit							-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5760**	**.27152**	**290.27**	**13.606**	**.20379**	**202.42**	**5.3044**	**.00623**	**1.7788**	**1.9062**
Stddev	.0029	.00048	1.05	.079	.00031	1.14	.0325	.00012	.0120	.0033
%RSD	.18518	.17664	.36099	.57726	.15244	.56363	.61174	1.9464	.67410	.17500
#1	1.5739	.27186	291.01	13.661	.20401	203.22	5.2815	.00614	1.7873	1.9038
#2	1.5780	.27118	289.53	13.550	.20357	201.61	5.3274	.00631	1.7703	1.9085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4302**	**.08670**	**3.8600**	**.01932**	**-.00323**	**1.8665**	**3.9943**	**.02848**	**.97034**	**.02262**
Stddev	.0109	.00143	.0089	.00032	.00266	.0286	.0613	.00032	.00396	.00091
%RSD	.24552	1.6448	.23000	1.6704	82.256	1.5348	1.5348	1.1327	.40784	4.0266
#1	4.4225	.08771	3.8537	.01955	-.00135	1.8867	4.0376	.02825	.97314	.02326
#2	4.4379	.08569	3.8663	.01909	-.00511	1.8462	3.9509	.02871	.96754	.02198
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.373**	**-.00265**	F **-.11707**	**.70890**	**.79986**	**.12965**
Stddev	.130	.00061	.01323	.00011	.00222	.00313
%RSD	.90448	22.839	11.297	.01600	.27757	2.4171
#1	14.281	-.00308	-.12642	.70882	.80143	.13186
#2	14.465	-.00223	-.10772	.70898	.79829	.12743
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8255.1**	**108910.**	**7282.7**
Stddev	5.0	301.	62.2
%RSD	.06076	.27600	.85365
#1	8258.7	108690.	7238.7
#2	8251.6	109120.	7326.7

Sample Name: 280-48860-a-3-a Acquired: 11/11/2013 22:30:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**72.760**	**.04591**	**.04664**	**.49281**	**.00095**	**-.03272**	**38.329**	**.00154**	**.05543**
Stddev	.00037	.188	.00042	.00025	.00063	.00007	.00146	.126	.00004	.00042
%RSD	44.257	.25782	.91236	.53210	.12717	6.9413	4.4640	.32755	2.4252	.75681
#1	.00109	72.627	.04561	.04681	.49237	.00100	-.03168	38.240	.00151	.05514
#2	.00057	72.893	.04620	.04646	.49326	.00090	-.03375	38.418	.00157	.05573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51940**	**.20137**	**94.744**	**14.127**	**.04732**	**43.950**	**1.3299**	**.01131**	**6.3547**	**.42986**
Stddev	.00011	.00037	.270	.012	.00203	.194	.0049	.00014	.0106	.00388
%RSD	.02049	.18575	.28475	.08607	4.2954	.44084	.37175	1.2527	.16656	.90194
#1	.51948	.20111	94.553	14.118	.04876	44.087	1.3334	.01142	6.3472	.42712
#2	.51933	.20164	94.934	14.135	.04589	43.813	1.3264	.01121	6.3622	.43261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6034**	**.25936**	**32.275**	**-.00011**	**.00342**	**.97256**	**2.0813**	**.01104**	**.24902**	**.01389**
Stddev	.0092	.00102	.043	.00104	.00380	.01522	.0326	.00021	.00008	.00106
%RSD	.25673	.39456	.13319	939.08	111.04	1.5654	1.5654	1.9054	.03378	7.6659
#1	3.5968	.25864	32.306	.00062	.00611	.96179	2.0582	.01119	.24896	.01464
#2	3.6099	.26008	32.245	-.00085	.00074	.98332	2.1043	.01089	.24908	.01314
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4350**	**-.00097**	W **-.06147**	**.35560**	**.61147**	**.02148**
Stddev	.0095	.00076	.02551	.00110	.00214	.00003
%RSD	.21320	78.552	41.492	.31025	.34964	.14132
#1	4.4416	-.00151	-.04344	.35638	.61299	.02145
#2	4.4283	-.00043	-.07951	.35482	.60996	.02150
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8608.3**	**115190.**	**7190.4**
Stddev	3.3	1169.	59.3
%RSD	.03833	1.0147	.82452
#1	8610.7	114360.	7232.3
#2	8606.0	116010.	7148.5

Sample Name: 280-48860-a-4-a Acquired: 11/11/2013 22:33:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.79940**	**.01470**	**.01693**	**.08985**	**-.00002**	**.00175**	**28.376**	**.00129**	**.00394**
Stddev	.00019	.00431	.00125	.00008	.00023	.00000	.00252	.080	.00002	.00007
%RSD	16.334	.53959	8.5210	.49203	.25597	8.2031	144.57	.28259	1.1863	1.8610
#1	.00131	.80245	.01558	.01699	.09001	-.00002	.00353	28.319	.00127	.00389
#2	.00104	.79635	.01381	.01687	.08969	-.00002	-.00004	28.432	.00130	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02084**	**.01868**	**1.6385**	**1.1784**	**.00135**	**2.0017**	**.08098**	**.00123**	**.51749**	**.04516**
Stddev	.00005	.00025	.0153	.0507	.00073	.0086	.00014	.00004	.01588	.00035
%RSD	.22230	1.3451	.93307	4.3016	53.886	.42886	.16878	2.9322	3.0681	.78089
#1	.02087	.01886	1.6494	1.1426	.00186	1.9956	.08088	.00126	.52872	.04491
#2	.02080	.01850	1.6277	1.2143	.00084	2.0077	.08107	.00121	.50627	.04541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79980**	**.29155**	**4.0789**	**.00435**	**.01497**	**.51955**	**1.1118**	**.00848**	**.09352**	**.00161**
Stddev	.00938	.00082	.0036	.00333	.00435	.00091	.0020	.00014	.00008	.00131
%RSD	1.1728	.28280	.08913	76.498	29.043	.17594	.17594	1.7065	.08693	81.540
#1	.80643	.29213	4.0763	.00200	.01804	.51891	1.1105	.00858	.09346	.00068
#2	.79316	.29097	4.0815	.00670	.01190	.52020	1.1132	.00838	.09358	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03683**	**-.00029**	**-.01468**	**.01888**	**6.4754**	**.00329**
Stddev	.00011	.00013	.02536	.00005	.0305	.00170
%RSD	.29708	43.500	172.75	.27816	.47161	51.756
#1	.03690	-.00038	-.03261	.01891	6.4538	.00209
#2	.03675	-.00020	.00325	.01884	6.4970	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8678.8**	**118280.**	**7160.3**
Stddev	7.7	414.	72.1
%RSD	.08896	.35020	1.0073
#1	8684.2	118570.	7211.3
#2	8673.3	117990.	7109.3

Sample Name: 280-48860-a-5-a Acquired: 11/11/2013 22:35:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**74.345**	**.05902**	**.05686**	**.74480**	**.00139**	**-.02763**	**120.04**	**.00231**	**.04942**
Stddev	.00004	.064	.00011	.00067	.00124	.00002	.00118	.18	.00016	.00014
%RSD	13.740	.08590	.17965	1.1703	.16647	1.7727	4.2748	.14862	6.7813	.28800
#1	.00036	74.390	.05895	.05639	.74568	.00140	-.02847	120.16	.00242	.04932
#2	.00029	74.299	.05910	.05733	.74392	.00137	-.02680	119.91	.00220	.04952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30505**	**.10051**	**90.720**	**12.302**	**.04681**	**49.083**	**1.6055**	**.00345**	**4.0110**	**.43310**
Stddev	.00148	.00020	.169	.034	.00087	.037	.0003	.00026	.0126	.00039
%RSD	.48378	.20333	.18601	.28028	1.8522	.07507	.01897	7.5794	.31435	.09085
#1	.30401	.10036	90.840	12.327	.04620	49.110	1.6058	.00364	4.0199	.43282
#2	.30610	.10065	90.601	12.278	.04743	49.057	1.6053	.00327	4.0021	.43337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7749**	**.34069**	**6.1060**	**.00274**	**.00514**	**1.4243**	**3.0481**	**.01073**	**.39249**	**.01421**
Stddev	.0132	.00021	.0073	.00084	.00065	.0159	.0341	.00036	.00026	.00046
%RSD	.47726	.06181	.11970	30.620	12.562	1.1173	1.1173	3.3094	.06646	3.2674
#1	2.7655	.34054	6.1008	.00334	.00468	1.4356	3.0722	.01048	.39267	.01453
#2	2.7842	.34084	6.1112	.00215	.00559	1.4131	3.0240	.01098	.39230	.01388
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4655**	**-.00097**	W **-.06135**	**.26746**	**1.9910**	**.03487**
Stddev	.0045	.00019	.01931	.00083	.0082	.00076
%RSD	.12987	19.451	31.475	.30917	.41386	2.1839
#1	3.4686	-.00111	-.04770	.26805	1.9969	.03433
#2	3.4623	-.00084	-.07500	.26688	1.9852	.03541
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8775.8**	**117350.**	**7493.4**
Stddev	13.0	293.	39.1
%RSD	.14788	.24961	.52146
#1	8785.0	117140.	7521.0
#2	8766.6	117550.	7465.8

Sample Name: 550-13801-d-1-a Acquired: 11/11/2013 22:37:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**8.1945**	**.03257**	**.07560**	**.56735**	**.00015**	F **.11014**	**41.145**	**.00322**	**.00377**
Stddev	.00009	.0229	.00211	.00053	.00310	.00009	.00095	.008	.00009	.00006
%RSD	.54584	.27981	6.4874	.70752	.54699	56.331	.86193	.01991	2.7718	1.7209
#1	.01704	8.2107	.03107	.07598	.56955	.00021	.10947	41.151	.00328	.00372
#2	.01691	8.1782	.03406	.07522	.56516	.00009	.11082	41.139	.00315	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09045**	**.95583**	**11.732**	**2.1396**	**.00504**	**6.2239**	**.41166**	**.01889**	**1.1704**	**.02722**
Stddev	.00060	.00193	.002	.0661	.00083	.0084	.00060	.00020	.0005	.00000
%RSD	.65861	.20233	.01323	3.0887	16.525	.13510	.14460	1.0567	.03948	.01041
#1	.09087	.95720	11.731	2.0929	.00445	6.2299	.41209	.01903	1.1701	.02722
#2	.09003	.95446	11.733	2.1864	.00563	6.2180	.41124	.01874	1.1707	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **27.571**	**.04251**	**16.688**	**.00002**	**.01349**	**1.6844**	**3.6046**	**.06231**	**.33276**	**.00124**
Stddev	.044	.00057	.041	.00079	.00106	.0138	.0295	.00003	.00158	.00005
%RSD	.16031	1.3344	.24280	4748.1	7.8339	.81696	.81696	.05132	.47368	3.8185
#1	27.540	.04291	16.659	-.00054	.01274	1.6941	3.6255	.06229	.33387	.00127
#2	27.602	.04211	16.717	.00058	.01423	1.6747	3.5838	.06234	.33164	.00121
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13893**	**-.00158**	**.01317**	**.09622**	**1.6138**	**.01454**
Stddev	.00018	.00022	.01634	.00060	.0025	.00288
%RSD	.13288	13.820	124.09	.62260	.15247	19.782
#1	.13880	-.00142	.02473	.09664	1.6155	.01251
#2	.13906	-.00173	.00161	.09579	1.6121	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8663.1**	**117360.**	**7162.2**
Stddev	11.4	245.	67.1
%RSD	.13150	.20839	.93677
#1	8655.1	117530.	7114.8
#2	8671.2	117190.	7209.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 22:39:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**51.304**	**.00322**	**.00023**	**-.00012**	**-.00004**	W **1.1047**	**.08139**	**-.00024**	**-.00012**	**.00012**	**.01279**
Stddev	.00028	.140	.00235	.00020	.00025	.00005	.0068	.00199	.00006	.00016	.00016	.00001
%RSD	3.5303	.27245	73.025	86.307	209.49	125.86	.61292	2.4414	23.326	134.22	127.86	.07266
#1	.00773	51.205	.00156	.00037	.00006	.00000	1.1095	.08280	-.00028	-.00001	.00001	.01280
#2	.00813	51.403	.00489	.00009	-.00029	-.00007	1.0999	.07999	-.00020	-.00024	.00023	.01279
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.320**	**-.05815**	**-.00087**	**.10094**	**.00128**	**-.00006**	**265.91**	**-.00004**	**.00284**	**.00017**	W **5.3080**	**-.00030**
Stddev	.447	.03373	.00106	.00374	.00002	.00013	1.17	.00006	.00100	.00015	.0221	.00051
%RSD	.88897	58.004	121.41	3.7023	1.9178	216.52	.43949	146.44	35.294	89.193	.41707	172.12
#1	50.636	-.08200	-.00162	.10358	.00129	.00003	265.08	.00000	.00213	.00028	5.3237	-.00066
#2	50.003	-.03430	-.00012	.09830	.00126	-.00016	266.74	-.00008	.00354	.00006	5.2924	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00485**	**.03541**	**.07578**	**.00019**	**.00039**	**5.0105**	**-.01176**	**.00025**	F **6.3696**	**.00116**	**.00177**	**.06116**
Stddev	.00053	.00253	.00542	.00055	.00000	.0001	.00011	.00156	.0002	.00010	.00020	.00333
%RSD	10.883	7.1515	7.1515	293.20	.37456	.00173	.93084	616.04	.00283	8.6897	11.290	5.4369
#1	-.00522	.03720	.07961	.00057	.00039	5.0105	-.01184	.00136	6.3697	.00123	.00191	.06351
#2	-.00447	.03362	.07195	-.00020	.00038	5.0104	-.01168	-.00085	6.3694	.00108	.00163	.05881
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8327.0**	**110990.**	**6872.5**
Stddev	15.4	106.	42.1
%RSD	.18438	.09520	.61200
#1	8316.1	111070.	6902.2
#2	8337.8	110920.	6842.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 22:42:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52332**	F **.58074**	**1.0425**	**.52660**	**.51674**	**.50286**	**-.00460**	**5.2618**	**.52621**	**.52105**	**.52418**	**.52992**	**2.5472**
Stddev	.00018	.00183	.0042	.00076	.00225	.00331	.00342	.0581	.00075	.00091	.00145	.00057	.0046
%RSD	.03366	.31457	.40610	.14483	.43566	.65919	74.201	1.1034	.14311	.17490	.27596	.10830	.18260
#1	.52344	.58203	1.0395	.52606	.51833	.50520	-.00702	5.2207	.52568	.52041	.52316	.53033	2.5439
#2	.52319	.57945	1.0455	.52714	.51515	.50052	-.00219	5.3028	.52674	.52170	.52521	.52952	2.5505
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.528**	**1.0199**	**20.597**	**.51111**	**.52880**	**5.2239**	**.52711**	**1.0549**	**1.0631**	**.03936**	**1.0590**	**1.0598**	**5.0364**
Stddev	.209	.0046	.070	.00045	.00424	.0243	.00110	.0057	.0065	.00097	.0004	.0003	.0069
%RSD	.39807	.45014	.33832	.08808	.80183	.46475	.20869	.53879	.61399	2.4767	.03879	.03157	.13730
#1	52.676	1.0232	20.646	.51143	.52580	5.2411	.52633	1.0509	1.0585	.03868	1.0587	1.0601	5.0413
#2	52.380	1.0167	20.548	.51079	.53179	5.2067	.52789	1.0589	1.0677	.04005	1.0593	1.0596	5.0315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.778**	**1.0635**	**.51333**	**-.00356**	**.50804**	**1.0777**	**.01208**	**.51390**	**.51713**	**.51303**
Stddev	.015	.0014	.00211	.00077	.00036	.0012	.00117	.00075	.00115	.00317
%RSD	.13730	.13265	.41011	21.626	.07061	.11190	9.6572	.14510	.22277	.61829
#1	10.788	1.0645	.51482	-.00301	.50830	1.0769	.01125	.51337	.51794	.51079
#2	10.767	1.0625	.51185	-.00410	.50779	1.0786	.01290	.51442	.51631	.51528
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.5**	**114020.**	**6915.7**
Stddev	17.6	309.	25.6
%RSD	.20760	.27108	.37019
#1	8488.0	113800.	6933.8
#2	8463.1	114240.	6897.6

Sample Name: CCB Acquired: 11/11/2013 22:44:14 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00689**	**.00104**	**-.00054**	**.00002**	**.00005**	**.00137**	F **.10306**	**.00000**	**.00023**	**.00015**	**.00030**
Stddev	.00005	.00374	.00077	.00036	.00001	.00009	.00086	.00523	.0001	.00006	.00018	.00004
%RSD	7.5129	54.207	74.049	66.329	29.018	180.38	62.477	5.0731	715740.	27.630	119.63	14.709
#1	.00069	.00953	.00050	-.00029	.00003	.00011	.00198	.10676	.00009	.00019	.00027	.00027
#2	.00062	.00425	.00158	-.00079	.00002	-.00001	.00076	.09936	-.00009	.00028	.00002	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.06900				
Low Limit								-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.03384**	**.03869**	**-.00038**	F **.02716**	F **.00057**	**.00038**	**-.03430**	**.00058**	**-.00251**	**-.00069**	**.04176**	W **.00617**
Stddev	.00159	.00531	.00235	.00543	.00010	.00003	.00899	.00009	.00053	.00013	.00122	.00161
%RSD	4.7116	13.721	624.31	20.008	17.228	8.1766	26.197	15.128	21.175	18.893	2.9200	26.034
#1	.03497	.04244	-.00204	.03100	.00064	.00036	-.02794	.00052	-.00213	-.00060	.04262	.00503
#2	.03272	.03493	.00129	.02331	.00050	.00040	-.04065	.00064	-.00288	-.00078	.04090	.00731
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.03000			.02140	.00050							.00314
Low Limit	-.03000			-.02140	-.00050							-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00869**	**.01860**	**.00020**	**.00030**	**-.00081**	**.00035**	**-.00019**	**.02885**	**.00030**	**.00348**	W **.00457**
Stddev	.00016	.01477	.03160	.00008	.00004	.00111	.00022	.00050	.02840	.00037	.00008	.00044
%RSD	26.626	169.89	169.89	41.968	14.333	137.35	63.156	268.41	98.451	123.08	2.3096	9.5828
#1	.00047	.01913	.04095	.00026	.00033	-.00002	.00019	.00017	.00877	.00056	.00354	.00426
#2	.00069	-.00175	-.00374	.00014	.00027	-.00160	.00050	-.00054	.04894	.00004	.00342	.00488
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8479.0**	**114770.**	**6742.1**
Stddev	23.4	219.	7.8
%RSD	.27570	.19039	.11532
#1	8462.4	114610.	6747.6
#2	8495.5	114920.	6736.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 22:46:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.11608**	**.01694**	**.10323**	**.01019**	**.00096**	F **.13015**	**.23174**	**.00537**	**.01132**	**.01090**	**.01679**	**.10917**
Stddev	.00011	.00029	.00258	.00017	.00002	.00006	.00153	.00535	.00026	.00001	.00016	.00031	.00317
%RSD	1.0551	.25226	15.229	.16103	.15570	6.3851	1.1761	2.3091	4.8785	.11900	1.4400	1.8506	2.9028
#1	.01094	.11628	.01512	.10311	.01018	.00092	.12907	.22795	.00556	.01132	.01101	.01657	.11141
#2	.01077	.11587	.01877	.10335	.01020	.00101	.13123	.23552	.00519	.01131	.01079	.01701	.10693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2032**	**.00944**	**.22436**	**.01072**	**.02110**	**1.0590**	**.04484**	**3.0885**	**.00938**	**.03311**	**.01039**	**.01715**	**.51904**
Stddev	.0088	.00018	.00360	.00008	.00003	.0076	.00027	.0030	.00028	.00184	.00169	.00177	.00959
%RSD	.27487	1.9063	1.6049	.78447	.16329	.71470	.59572	.09761	2.9899	5.5716	16.292	10.296	1.8471
#1	3.1970	.00957	.22181	.01066	.02107	1.0537	.04503	3.0864	.00918	.03441	.01159	.01840	.52582
#2	3.2095	.00932	.22691	.01078	.02112	1.0644	.04465	3.0907	.00958	.03180	.00920	.01590	.51226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1107**	**.10946**	**.01083**	**.01546**	**.00974**	**.01635**	F **.07872**	**.01058**	**.02415**	**.01694**
Stddev	.0205	.00023	.00009	.00047	.00023	.00140	.01106	.00015	.00016	.00252
%RSD	1.8471	.20828	.86565	3.0258	2.3510	8.5856	14.053	1.4061	.68137	14.872
#1	1.1253	.10930	.01076	.01579	.00957	.01536	.08655	.01069	.02427	.01516
#2	1.0962	.10962	.01089	.01513	.00990	.01735	.07090	.01048	.02404	.01872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8615.0**	**116530.**	**6790.9**
Stddev	37.0	108.	29.8
%RSD	.42941	.09270	.43818
#1	8641.2	116460.	6769.9
#2	8588.8	116610.	6812.0

Sample Name: mb 280-200045/1-a Acquired: 11/11/2013 22:48:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.02360**	**.00000**	**.00000**	**-.00030**	**-.00003**	**-.00111**	**.01844**	**-.00009**	**.00008**
Stddev	.00016	.00019	.00089	.00016	.00017	.00003	.00108	.00081	.00026	.00010
%RSD	29.181	.82082	76634.	186770.	56.326	114.43	97.050	4.3768	282.84	122.31
#1	.00043	.02373	-.00063	.00011	-.00043	-.00005	-.00035	.01901	-.00027	.00001
#2	.00065	.02346	.00063	-.00011	-.00018	-.00001	-.00187	.01787	.00009	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00071**	**.00631**	**-.02926**	**-.00138**	**.00413**	**.00043**	**-.00004**	**-.05260**	**.00054**
Stddev	.00006	.00013	.00103	.03860	.00296	.00069	.00006	.00040	.00910	.00013
%RSD	76.266	18.588	16.373	131.92	214.26	16.787	14.458	1131.8	17.303	24.146
#1	.00012	.00080	.00704	-.00197	.00071	.00462	.00047	.00025	-.04617	.00044
#2	.00004	.00061	.00558	-.05656	-.00347	.00364	.00038	-.00032	-.05904	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00372**	**-.00097**	**.03695**	**-.00058**	**-.00164**	**.02582**	**.05526**	**.00051**	**.00015**	**-.00121**
Stddev	.00084	.00029	.00023	.00104	.00066	.02317	.04959	.00020	.00001	.00152
%RSD	22.424	29.944	.62140	179.12	40.210	89.745	89.745	40.198	3.4933	125.58
#1	-.00432	-.00118	.03711	.00015	-.00118	.00943	.02019	.00036	.00015	-.00229
#2	-.00313	-.00077	.03678	-.00132	-.00211	.04221	.09032	.00065	.00016	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00056**	**.01509**	**.00052**	**.00362**	**.00260**
Stddev	.00012	.00110	.03699	.00020	.00021	.00228
%RSD	29.402	198.33	245.07	38.802	5.7263	87.650
#1	-.00033	-.00134	.04125	.00066	.00347	.00420
#2	-.00050	.00022	-.01106	.00037	.00376	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8566.3**	**115690.**	**6770.2**
Stddev	6.3	1232.	25.6
%RSD	.07368	1.0646	.37845
#1	8570.8	116560.	6752.1
#2	8561.9	114820.	6788.4

Sample Name: lcs 280-200045/2-a Acquired: 11/11/2013 22:51:06 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05071	2.0083	1.0092	1.0250	2.0298	.04929	2.2978	48.740	.10736	.49352
Stddev	.00052	.0046	.0057	.0007	.0019	.00036	.0107	.111	.00064	.00020
%RSD	1.0248	.23159	.56225	.07123	.09588	.72322	.46719	.22726	.60077	.04020
#1	.05034	2.0050	1.0052	1.0245	2.0284	.04904	2.2902	48.662	.10690	.49338
#2	.05108	2.0116	1.0132	1.0256	2.0311	.04954	2.3053	48.818	.10782	.49366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20385	.26047	.97958	51.664	1.0002	49.680	.49264	1.0304	54.257	.50025
Stddev	.00062	.00015	.00006	.003	.0052	.036	.00015	.0027	.229	.00042
%RSD	.30550	.05921	.00623	.00534	.52027	.07289	.03122	.26299	.42188	.08379
#1	.20341	.26036	.97954	51.662	.99654	49.655	.49253	1.0285	54.096	.49995
#2	.20429	.26058	.97962	51.666	1.0039	49.706	.49275	1.0323	54.419	.50054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.313	.49531	2.1117	.49453	2.0090	9.9819	21.361	2.0303	1.0073	.99939
Stddev	.020	.00123	.0066	.00319	.0001	.0382	.082	.0061	.0002	.00359
%RSD	.19775	.24805	.31444	.64498	.00514	.38321	.38321	.30052	.02399	.35877
#1	10.298	.49444	2.1070	.49228	2.0091	9.9548	21.303	2.0260	1.0072	.99685
#2	10.327	.49618	2.1164	.49679	2.0089	10.009	21.419	2.0346	1.0075	1.0019
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99975	1.9640	2.1673	.50658	.49907	.52266
Stddev	.00080	.0041	.0073	.00022	.00172	.00173
%RSD	.08015	.21045	.33918	.04341	.34465	.33124
#1	1.0003	1.9611	2.1725	.50642	.49785	.52388
#2	.99918	1.9669	2.1621	.50673	.50029	.52143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8244.0	110020.	6867.6
Stddev	2.2	117.	37.8
%RSD	.02618	.10604	.54978
#1	8245.5	110100.	6894.3
#2	8242.5	109940.	6840.9

Sample Name: lcsd 280-200045/3-a Acquired: 11/11/2013 22:53:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05176**	**2.0504**	**1.0303**	**1.0433**	**2.0805**	**.04983**	**2.3387**	**50.047**	**.10892**	**.50447**
Stddev	.00022	.0006	.0060	.0016	.0018	.00034	.0023	.169	.00019	.00117
%RSD	.42521	.03068	.58314	.15013	.08735	.68714	.09928	.33725	.17160	.23228
#1	.05192	2.0500	1.0261	1.0421	2.0792	.04959	2.3403	49.928	.10878	.50364
#2	.05160	2.0509	1.0346	1.0444	2.0818	.05007	2.3370	50.167	.10905	.50529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20976**	**.26535**	**.99638**	**53.072**	**1.0260**	**50.791**	**.50399**	**1.0633**	**55.012**	**.51177**
Stddev	.00014	.00020	.00813	.047	.0026	.022	.00069	.0001	.351	.00019
%RSD	.06508	.07615	.81552	.08936	.25062	.04304	.13715	.01091	.63860	.03679
#1	.20986	.26520	.99064	53.038	1.0242	50.807	.50350	1.0634	54.764	.51191
#2	.20967	.26549	1.0021	53.105	1.0279	50.776	.50448	1.0633	55.260	.51164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.487**	**.50632**	**2.1578**	**.50602**	**2.0336**	**10.168**	**21.759**	**2.0858**	**1.0329**	**1.0253**
Stddev	.032	.00060	.0055	.00248	.0005	.053	.113	.0010	.0006	.0043
%RSD	.30420	.11877	.25390	.49083	.02547	.51852	.51852	.04959	.06330	.42270
#1	10.465	.50590	2.1539	.50427	2.0340	10.130	21.679	2.0851	1.0324	1.0222
#2	10.510	.50675	2.1616	.50778	2.0333	10.205	21.839	2.0865	1.0333	1.0284
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0268**	**1.9974**	**2.1960**	**.51865**	**.50785**	**.53018**
Stddev	.0011	.0019	.0069	.00040	.00214	.00064
%RSD	.10558	.09453	.31592	.07798	.42180	.11988
#1	1.0260	1.9987	2.1911	.51837	.50937	.52973
#2	1.0275	1.9960	2.2009	.51894	.50634	.53063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.1**	**108950.**	**6693.3**
Stddev	23.2	81.	41.7
%RSD	.28567	.07421	.62275
#1	8152.6	109010.	6722.8
#2	8119.7	108890.	6663.9

Sample Name: 280-48797-b-1-c Acquired: 11/11/2013 22:55:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00379**	**.00370**	**.19945**	**.03501**	**.00001**	**-.00040**	**40.504**	**.00040**	**.00141**
Stddev	.00003	.00034	.00057	.00051	.00004	.00005	.00132	.025	.00019	.00017
%RSD	4.9971	9.0379	15.440	.25357	.10441	348.67	325.97	.06143	47.576	11.970
#1	.00066	.00403	.00411	.19981	.03504	.00005	.00053	40.487	.00027	.00152
#2	.00071	.00355	.00330	.19909	.03499	-.00002	-.00133	40.522	.00054	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.02030**	**.17592**	**5.6645**	**.05223**	**22.934**	**.26311**	**.00587**	**193.94**	**.01573**
Stddev	.00013	.00003	.00001	.0615	.00075	.006	.00027	.00014	.22	.00034
%RSD	22.642	.13191	.00464	1.0860	1.4411	.02428	.10165	2.4344	.11462	2.1534
#1	.00048	.02028	.17592	5.6210	.05169	22.930	.26293	.00577	193.78	.01597
#2	.00067	.02031	.17591	5.7080	.05276	22.938	.26330	.00597	194.10	.01549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01905**	**-.00090**	**121.96**	**.00123**	**-.00133**	**1.7839**	**3.8176**	**.00153**	**1.2536**	**-.00107**
Stddev	.00213	.00009	.17	.00029	.00265	.0019	.0041	.00034	.0009	.00202
%RSD	11.164	10.159	.14246	23.579	199.62	.10782	.10782	22.015	.07443	188.84
#1	.01754	-.00084	122.08	.00103	-.00321	1.7826	3.8147	.00177	1.2529	.00036
#2	.02055	-.00097	121.84	.00144	.00055	1.7853	3.8205	.00129	1.2542	-.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00049**	**.01739**	**.00054**	**.28750**	**.00522**
Stddev	.00004	.00111	.00486	.00005	.00076	.00132
%RSD	33.559	227.15	27.954	8.3424	.26398	25.211
#1	-.00008	-.00030	.02083	.00057	.28804	.00429
#2	-.00013	.00127	.01395	.00051	.28697	.00615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7910.0**	**106310.**	**6706.8**
Stddev	13.3	427.	37.3
%RSD	.16811	.40170	.55630
#1	7919.4	106610.	6680.4
#2	7900.6	106000.	6733.2

Sample Name: 280-48797-b-2-c Acquired: 11/11/2013 22:57:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00059**	**.00140**	**.51490**	**.33624**	**.00001**	**-.00027**	**51.596**	**.00021**	**-.00018**
Stddev	.00060	.00062	.00349	.00246	.00048	.00001	.00299	.201	.00000	.00018
%RSD	208.52	104.31	248.68	.47695	.14265	114.03	1103.0	.38975	2.1198	100.12
#1	-.00071	-.00016	-.00106	.51664	.33590	.00002	-.00239	51.454	.00021	-.00005
#2	.00014	-.00103	.00387	.51316	.33657	.00000	.00184	51.738	.00021	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00433**	**.09295**	W **157.19**	**.79667**	**10.484**	**.02773**	**.00283**	RW **1618.2**	**.00034**
Stddev	.00004	.00058	.00020	.61	.00007	.056	.00003	.00008	4.8	.00042
%RSD	83.279	13.313	.22011	.39098	.00880	.53789	.09244	3.0019	.29399	122.76
#1	.00002	.00474	.09280	156.75	.79662	10.524	.02775	.00289	1614.8	.00064
#2	.00007	.00392	.09309	157.62	.79672	10.444	.02771	.00277	1621.6	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9841**	**-.00029**	**8.3570**	**.00030**	**.00022**	**6.7602**	**14.467**	**-.00010**	W **5.0131**	**-.00113**
Stddev	.0167	.00100	.0469	.00121	.00279	.0180	.039	.00022	.0136	.00030
%RSD	.55943	344.00	.56091	396.86	1279.7	.26677	.26677	217.00	.27074	26.823
#1	2.9959	.00042	8.3901	-.00055	.00219	6.7729	14.494	.00005	5.0035	-.00091
#2	2.9723	-.00100	8.3238	.00116	-.00176	6.7474	14.439	-.00026	5.0227	-.00134
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00008**	**.00792**	**.00181**	**.00688**	**.00403**
Stddev	.00004	.00097	.01709	.00056	.00018	.00263
%RSD	7.3123	1256.5	215.75	30.994	2.6161	65.414
#1	-.00063	.00077	.02000	.00221	.00700	.00216
#2	-.00056	-.00061	-.00416	.00141	.00675	.00589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7436.9**	**94798.**	**6408.3**
Stddev	51.7	145.	13.5
%RSD	.69572	.15342	.21074
#1	7400.3	94695.	6417.8
#2	7473.5	94901.	6398.7

Sample Name: 280-48797-b-3-c Acquired: 11/11/2013 23:00:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00373	k .36491	k .00251	2.6459	k 2.1967	k .00005	k -.00314	98.437	k .00003	k .00030
Stddev	.01313	.01680	.00100	.0011	.0024	.00008	.01168	.433	.00010	.00020
%RSD	352.20	4.6051	39.735	.04316	.10869	179.06	371.99	.44017	289.55	68.022
#1	-.00556	.35303	.00322	2.6467	2.1950	-.00001	-.01140	98.131	.00010	.00044
#2	k .01301	k .37679	k .00181	2.6451	k 2.1984	k .00010	k .00512	98.744	k -.00003	k .00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .02554	k .02491	39.928	38.499	k 1.5366	k 16.655	k .53985	k .00774	RW 2551.1	k .00930
Stddev	.00030	.00457	.152	.343	.0004	.080	.00140	.00003	6.2	.00060
%RSD	1.1872	18.337	.38076	.89067	.02260	.48109	.26025	.42395	.24121	6.4039
#1	.02576	.02813	39.820	38.257	1.5363	16.599	.53886	.00772	2546.8	.00888
#2	k .02533	k .02168	40.035	38.742	k 1.5368	k 16.712	k .54084	k .00776	2555.5	k .00972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 1.6944	k .00626	k 33.531	k -.00060	k -.00427	k 10.371	k 22.195	k .00755	W 11.820	k .01295
Stddev	.0025	.00261	.036	.00259	.00177	.165	.352	.00025	.265	.06892
%RSD	.14504	41.719	.10682	428.46	41.405	1.5866	1.5866	3.3233	2.2401	532.11
#1	1.6927	.00441	33.557	.00123	-.00552	10.255	21.946	.00737	12.007	-.03578
#2	k 1.6962	k .00811	k 33.506	k -.00244	k -.00302	k 10.488	k 22.444	k .00773	11.633	k .06168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00538	k -.00168	k .05635	k .00503	k .17310	k 3.1009
Stddev	.00008	.00216	.03858	.00052	.00315	.0064
%RSD	1.4380	128.43	68.453	10.333	1.8171	.20538
#1	.00532	-.00321	.02908	.00540	.17087	3.0964
#2	k .00543	k -.00015	k .08363	k .00467	k .17532	k 3.1054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7246.5	93194.	6422.0
Stddev	6.3	390.	117.4
%RSD	.08671	.41802	1.8284
#1	7251.0	93469.	6505.0
#2	7242.1	92918.	6339.0

Sample Name: 280-48797-b-3-cSD@5 Acquired: 11/11/2013 23:03:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.07788**	**.00235**	**.55170**	**.43260**	**-.00003**	**-.00363**	**19.800**	**.00000**	**.00027**
Stddev	.00012	.00044	.00140	.00079	.00028	.00009	.00043	.013	.00000	.00002
%RSD	11.180	.56452	59.430	.14401	.06501	329.08	11.744	.06519	34.685	8.1955
#1	-.00111	.07819	.00136	.55114	.43280	.00004	-.00333	19.809	.00001	.00026
#2	-.00095	.07757	.00334	.55226	.43240	-.00009	-.00393	19.791	.00000	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00523**	**.00673**	**8.1798**	**7.2617**	**.30306**	**3.4196**	**.10705**	**.00137**	**498.81**	**.00226**
Stddev	.00003	.00059	.1183	.0040	.00271	.0040	.00012	.00001	1.47	.00010
%RSD	.60117	8.7274	1.4459	.05455	.89540	.11563	.11237	1.0267	.29413	4.5206
#1	.00525	.00714	8.2634	7.2645	.30497	3.4168	.10696	.00138	499.84	.00219
#2	.00520	.00631	8.0962	7.2589	.30114	3.4224	.10713	.00136	497.77	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32108**	**.00010**	**6.4120**	**.00011**	**-.00037**	**2.0399**	**4.3653**	**.00347**	**2.3471**	**-.00995**
Stddev	.00059	.00032	.0317	.00173	.00081	.0346	.0741	.00018	.0021	.00028
%RSD	.18221	337.88	.49480	1580.1	219.78	1.6969	1.6969	5.1564	.09052	2.8421
#1	.32067	.00033	6.3896	-.00111	-.00094	2.0643	4.4177	.00359	2.3486	-.01015
#2	.32150	-.00013	6.4344	.00133	.00020	2.0154	4.3129	.00334	2.3456	-.00975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00095**	**.01421**	**.00152**	**.03983**	**.61840**
Stddev	.00025	.00015	.00309	.00054	.00057	.00587
%RSD	73.509	16.157	21.731	35.450	1.4400	.94927
#1	.00052	.00105	.01203	.00190	.03942	.62255
#2	.00017	.00084	.01639	.00114	.04023	.61425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7798.5**	**101520.**	**6365.1**
Stddev	16.9	506.	21.5
%RSD	.21629	.49880	.33754
#1	7786.6	101880.	6349.9
#2	7810.5	101170.	6380.3

Sample Name: 280-48951-b-16-b Acquired: 11/11/2013 23:06:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00079**	**.00099**	**.00186**	**-.00007**	**-.00005**	**-.00155**	**.03293**	**-.00013**	**.00022**
Stddev	.00001	.00016	.00096	.00032	.00017	.00004	.00277	.00621	.00018	.00005
%RSD	1.3792	20.671	96.956	16.948	251.43	91.269	178.43	18.858	140.15	21.965
#1	.00094	.00091	.00031	.00208	-.00018	-.00008	.00041	.03732	.00000	.00025
#2	.00096	.00068	.00167	.00164	.00005	-.00002	-.00352	.02854	-.00026	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00042**	**.00649**	**.14853**	**-.00166**	**.00566**	**.00025**	**-.00011**	**.58587**	**.00051**
Stddev	.00011	.00035	.00307	.01175	.00122	.00127	.00002	.00016	.07330	.00038
%RSD	71.243	83.110	47.351	7.9110	73.678	22.389	7.3444	149.37	12.511	75.039
#1	.00023	.00017	.00866	.15684	-.00080	.00476	.00024	.00001	.63770	.00077
#2	.00008	.00067	.00431	.14023	-.00253	.00655	.00026	-.00022	.53404	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**-.00011**	**.04844**	**-.00028**	**-.00043**	**.00480**	**.01027**	**.00003**	**.00104**	**-.00016**
Stddev	.00084	.00065	.00207	.00157	.00294	.00866	.01854	.00024	.00007	.00090
%RSD	12.076	572.66	4.2784	559.40	683.28	180.41	180.41	888.01	7.0964	570.78
#1	.00758	.00035	.04697	.00083	.00165	-.00132	-.00283	.00020	.00109	-.00079
#2	.00639	-.00057	.04990	-.00139	-.00251	.01093	.02338	-.00014	.00099	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00054**	**.03791**	**-.00003**	**.00348**	**.00232**
Stddev	.00001	.00117	.03988	.00003	.00030	.00059
%RSD	2.4137	216.23	105.18	96.826	8.5816	25.314
#1	-.00031	-.00029	.06611	-.00005	.00369	.00274
#2	-.00030	.00137	.00971	-.00001	.00327	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8415.2**	**113920.**	**6527.2**
Stddev	7.1	618.	40.2
%RSD	.08466	.54214	.61528
#1	8420.2	114360.	6555.6
#2	8410.1	113490.	6498.8

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:08:22 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**51.503**	**.00458**	**.00251**	**-.00015**	**-.00010**	W **1.0677**	**.01739**	**-.00036**	**-.00007**	**.00006**	**.01227**
Stddev	.00024	.158	.00045	.00068	.00001	.00004	.0113	.00208	.00003	.00011	.00014	.00034
%RSD	3.3267	.30742	9.8054	26.948	7.2743	37.210	1.0619	11.943	9.7085	141.16	220.70	2.7413
#1	.00742	51.615	.00426	.00203	-.00014	-.00008	1.0597	.01885	-.00038	-.00015	.00016	.01203
#2	.00708	51.391	.00490	.00298	-.00016	-.00013	1.0757	.01592	-.00033	.00000	-.00004	.01250
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.436**	**.12961**	**-.00001**	**.08446**	**.00079**	**-.00027**	**265.99**	**.00002**	**-.00045**	**.00032**	**5.1161**	**.00024**
Stddev	.599	.04229	.00224	.00183	.00009	.00012	.82	.00008	.00041	.00049	.0619	.00438
%RSD	1.1873	32.631	27746.	2.1669	11.004	42.780	.30904	369.62	91.153	151.11	1.2092	1829.8
#1	50.859	.15952	.00158	.08575	.00073	-.00035	265.41	.00008	-.00016	.00066	5.0724	-.00286
#2	50.012	.09971	-.00159	.08317	.00085	-.00019	266.57	-.00003	-.00074	-.00002	5.1599	.00333
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00401**	**.01506**	**.03222**	**.00015**	**.00086**	**4.9618**	**-.01325**	**.00042**	F **6.2889**	**.00204**	**.00134**	**.06214**
Stddev	.00385	.01485	.03178	.00018	.00011	.0006	.00020	.00072	.0278	.00073	.00017	.00164
%RSD	95.990	98.614	98.614	118.74	12.235	.01256	1.5108	169.37	.44128	35.946	12.854	2.6461
#1	-.00129	.00456	.00975	.00002	.00094	4.9614	-.01311	.00093	6.2693	.00255	.00146	.06330
#2	-.00673	.02556	.05469	.00027	.00079	4.9623	-.01339	-.00008	6.3085	.00152	.00122	.06098
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8040.2**	**106390.**	**6367.2**
Stddev	47.2	205.	28.8
%RSD	.58707	.19249	.45170
#1	8073.6	106250.	6346.8
#2	8006.8	106540.	6387.5

Sample Name: CCV-2372889 Acquired: 11/11/2013 23:10:46 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50586**	**.54229**	**1.0062**	**.50651**	**.50563**	**.49159**	**-.00539**	**5.0894**	**.50808**	**.50785**	**.51102**	**.50871**	**2.4927**
Stddev	.00073	.00118	.0013	.00010	.00005	.00075	.00048	.0108	.00016	.00071	.00004	.00064	.0101
%RSD	.14388	.21758	.13328	.01891	.01073	.15173	8.8802	.21242	.03205	.14049	.00746	.12584	.40529
#1	.50638	.54313	1.0053	.50644	.50567	.49106	-.00573	5.0971	.50797	.50734	.51100	.50916	2.4998
#2	.50535	.54146	1.0072	.50657	.50559	.49212	-.00505	5.0818	.50820	.50835	.51105	.50826	2.4856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.031**	**1.0048**	**20.371**	**.50251**	**.51744**	**5.4490**	**.51481**	**1.0204**	**1.0413**	**.02217**	**1.0070**	**1.0198**	**4.9215**
Stddev	.051	.0024	.026	.00054	.00003	.0162	.00018	.0002	.0030	.00235	.0009	.0014	.0214
%RSD	.09800	.23726	.13006	.10840	.00633	.29666	.03426	.01962	.28462	10.622	.09019	.14150	.43500
#1	51.995	1.0065	20.352	.50290	.51742	5.4604	.51494	1.0205	1.0392	.02050	1.0077	1.0208	4.9367
#2	52.067	1.0032	20.390	.50213	.51747	5.4376	.51469	1.0202	1.0434	.02384	1.0064	1.0188	4.9064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.532**	**1.0334**	**.50310**	**-.00584**	**.49671**	**1.0377**	**.02795**	**.50644**	**.51924**	**.49902**
Stddev	.046	.0013	.00043	.00018	.00031	.0002	.00013	.00030	.00122	.00334
%RSD	.43500	.12947	.08515	3.0553	.06332	.02216	.45281	.05979	.23550	.66965
#1	10.565	1.0324	.50340	-.00572	.49694	1.0378	.02804	.50666	.52011	.49666
#2	10.500	1.0343	.50280	-.00597	.49649	1.0375	.02786	.50623	.51838	.50139
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8263.7**	**109230.**	**6434.3**
Stddev	6.7	325.	9.8
%RSD	.08119	.29754	.15245
#1	8258.9	109000.	6441.2
#2	8268.4	109460.	6427.4

Sample Name: CCB Acquired: 11/11/2013 23:12:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00110**	**.00084**	**.00101**	**.00018**	**.00021**	**.00091**	**.00658**	**.00005**	**.00019**	**.00006**	**-.00010**
Stddev	.00039	.00057	.00250	.00038	.00009	.00016	.00133	.00133	.00005	.00005	.00001	.00009
%RSD	97.108	51.484	299.00	37.701	49.544	74.916	146.89	20.234	92.494	27.269	9.2374	94.990
#1	.00067	-.00070	-.00093	.00128	.00012	.00033	.00184	.00752	.00008	.00023	.00006	-.00003
#2	.00012	-.00151	.00260	.00074	.00025	.00010	-.00003	.00564	.00002	.00015	.00006	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.06463**	**-.00244**	**.00422**	**.00015**	**.00024**	W **.15706**	**.00076**	**-.00178**	**-.00013**	**.02749**	F **.00707**
Stddev	.00207	.02893	.00046	.00169	.00001	.00023	.02618	.00050	.00022	.00063	.00132	.00112
%RSD	56.818	44.770	19.033	40.072	4.9122	94.203	16.669	65.071	12.462	490.72	4.7893	15.861
#1	.00510	.08509	-.00211	.00541	.00016	.00008	.13855	.00111	-.00193	-.00057	.02842	.00627
#2	.00218	.04417	-.00277	.00302	.00015	.00040	.17557	.00041	-.00162	.00032	.02656	.00786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.02051**	**.04388**	**.00067**	W **.00035**	**-.00136**	**-.00049**	**.00024**	**.02333**	**.00064**	**.00368**	**.00054**
Stddev	.00156	.00516	.01104	.00001	.00016	.00101	.00025	.00019	.01838	.00038	.00013	.00016
%RSD	48.863	25.151	25.151	1.7770	46.259	74.249	50.294	76.688	78.777	59.624	3.4316	29.390
#1	.00209	.02415	.05169	.00068	.00024	-.00207	-.00066	.00011	.01033	.00037	.00360	.00043
#2	.00429	.01686	.03608	.00066	.00046	-.00064	-.00032	.00038	.03632	.00091	.00377	.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8178.8**	**109880.**	**6307.7**
Stddev	24.4	407.	2.3
%RSD	.29801	.37022	.03695
#1	8161.5	109590.	6309.4
#2	8196.0	110170.	6306.1

Sample Name: CCVL2372865 Acquired: 11/11/2013 23:15:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01062**	**.10820**	**.01746**	**.09979**	**.01014**	**.00099**	**.12350**	**.21460**	**.00505**	**.01086**	**.01045**	**.01557**	**.10352**	**3.2117**
Stddev	.00017	.00041	.00037	.00011	.00053	.00008	.00119	.00340	.00018	.00005	.00022	.00010	.00334	.0863
%RSD	1.6174	.37930	2.1232	.11063	5.2407	8.0575	.96532	1.5849	3.6447	.43723	2.1308	.61751	3.2245	2.6885
#1	.01050	.10791	.01772	.09987	.01052	.00104	.12266	.21700	.00492	.01082	.01029	.01564	.10588	3.2728
#2	.01074	.10849	.01720	.09972	.00976	.00093	.12435	.21219	.00518	.01089	.01061	.01550	.10115	3.1507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00706**	**.21392**	**.01027**	**.02014**	**1.1823**	**.04280**	**2.9768**	**.00987**	**.02187**	**.01019**	**.01412**	**.49698**	**1.0635**	**.10501**
Stddev	.00250	.00178	.00007	.00040	.0085	.00026	.0034	.00160	.00233	.00171	.00106	.00637	.0136	.00113
%RSD	35.458	.82981	.67562	1.9674	.72026	.60508	.11337	16.194	10.678	16.811	7.5033	1.2825	1.2825	1.0749
#1	.00883	.21517	.01032	.01986	1.1763	.04261	2.9744	.00874	.02022	.01140	.01487	.50149	1.0732	.10421
#2	.00529	.21266	.01023	.02042	1.1883	.04298	2.9792	.01100	.02352	.00898	.01337	.49248	1.0539	.10581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.01364**	**.00933**	**.01728**	**.07754**	**.01008**	**.02369**	**.01732**
Stddev	.00004	.00103	.00046	.00031	.00772	.00035	.00045	.00298
%RSD	.36665	7.5492	4.9616	1.8063	9.9500	3.5198	1.9173	17.209
#1	.01041	.01436	.00966	.01706	.07208	.00983	.02401	.01521
#2	.01035	.01291	.00900	.01750	.08299	.01033	.02337	.01943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8436.5**	**112910.**	**6445.2**
Stddev	25.2	344.	41.3
%RSD	.29812	.30462	.64041
#1	8454.3	112660.	6416.0
#2	8418.7	113150.	6474.4

Sample Name: mb 280-199780/1-a Acquired: 11/11/2013 23:17:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00077**	**.00013**	**.00023**	**-.00044**	**-.00006**	**-.00195**	**.00908**	**-.00017**	**.00007**
Stddev	.00014	.00013	.00048	.00037	.00053	.00008	.00235	.00095	.00002	.00020
%RSD	19.263	17.478	378.92	163.02	120.45	148.11	120.45	10.441	13.019	292.12
#1	.00081	.00086	.00047	.00049	-.00007	.00000	-.00029	.00841	-.00019	.00021
#2	.00061	.00067	-.00021	-.00003	-.00082	-.00012	-.00361	.00975	-.00016	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00054**	**.00321**	**-.05233**	**-.00144**	**-.00151**	**.00012**	**-.00007**	**.06615**	**.00064**
Stddev	.00001	.00006	.00085	.02339	.00161	.00442	.00004	.00004	.00006	.00013
%RSD	39.626	11.590	26.500	44.704	112.01	292.70	31.121	55.390	.09777	20.955
#1	-.00002	.00050	.00381	-.06887	-.00257	.00161	.00009	-.00004	.06620	.00074
#2	-.00004	.00059	.00261	-.03579	-.00030	-.00463	.00014	-.00010	.06611	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00300**	**.00000**	**.02336**	**.00085**	**-.00076**	**.01746**	**.03737**	**.00052**	**-.00009**	**-.00129**
Stddev	.00099	.0003	.00149	.00164	.00231	.00092	.00197	.00023	.00000	.00100
%RSD	33.040	8434.1	6.3884	192.48	304.45	5.2756	5.2756	44.169	2.3967	77.157
#1	-.00230	-.00018	.02230	-.00031	-.00240	.01811	.03876	.00035	-.00009	-.00200
#2	-.00370	.00018	.02442	.00202	.00088	.01681	.03597	.00068	-.00009	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**-.00108**	**.00520**	**.00025**	**.00212**	**.00203**
Stddev	.00007	.00147	.04662	.00006	.00001	.00259
%RSD	13.080	136.39	896.22	22.355	.53759	127.57
#1	-.00049	-.00004	.03816	.00029	.00213	.00387
#2	-.00059	-.00212	-.02776	.00021	.00211	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8369.1**	**112790.**	**6450.4**
Stddev	5.7	7.	6.5
%RSD	.06833	.00636	.10046
#1	8365.1	112780.	6455.0
#2	8373.1	112790.	6445.8

Sample Name: lcs 280-199780/2-a Acquired: 11/11/2013 23:19:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05029**	**2.0500**	**1.0056**	**1.0193**	**2.0223**	**.04901**	**2.2832**	**49.219**	**.10631**	**.49395**
Stddev	.00035	.0076	.0004	.0046	.0048	.00030	.0073	.109	.00023	.00127
%RSD	.69011	.37249	.03508	.44820	.23913	.60508	.31763	.22119	.21736	.25741
#1	.05053	2.0554	1.0058	1.0226	2.0257	.04880	2.2883	49.296	.10648	.49484
#2	.05004	2.0446	1.0053	1.0161	2.0189	.04922	2.2780	49.143	.10615	.49305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20615**	**.25683**	**.98192**	**52.289**	**1.0055**	**50.584**	**.49345**	**1.0365**	**54.419**	**.50376**
Stddev	.00029	.00006	.00943	.033	.0004	.078	.00086	.0032	.067	.00160
%RSD	.14094	.02351	.96005	.06284	.04077	.15465	.17411	.30694	.12352	.31699
#1	.20636	.25679	.97525	52.312	1.0052	50.640	.49405	1.0388	54.371	.50489
#2	.20594	.25688	.98858	52.266	1.0058	50.529	.49284	1.0343	54.466	.50264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.334**	**.49781**	**.01471**	**.49127**	**2.0122**	**9.9847**	**21.367**	**2.0609**	**1.0055**	**.99496**
Stddev	.048	.00149	.00056	.00412	.0164	.0092	.020	.0160	.0014	.00122
%RSD	.46342	.29989	3.7733	.83860	.81244	.09197	.09197	.77441	.13440	.12307
#1	10.368	.49886	.01511	.49419	2.0237	9.9782	21.353	2.0722	1.0064	.99582
#2	10.300	.49675	.01432	.48836	2.0006	9.9912	21.381	2.0496	1.0045	.99409
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99056**	**1.9647**	**2.1545**	**.50645**	**.50929**	**.51797**
Stddev	.00192	.0159	.0496	.00025	.00082	.00580
%RSD	.19429	.81078	2.3031	.04986	.16104	1.1203
#1	.99192	1.9759	2.1895	.50663	.50871	.52208
#2	.98920	1.9534	2.1194	.50627	.50987	.51387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8006.2**	**106790.**	**6374.5**
Stddev	30.7	222.	30.5
%RSD	.38407	.20814	.47852
#1	7984.4	106940.	6353.0
#2	8027.9	106630.	6396.1

Sample Name: 280-48900-k-1-a Acquired: 11/11/2013 23:21:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.14254**	**.00132**	**.01895**	**.21718**	**-.00005**	**-.00117**	**61.322**	**.00030**	**.00002**
Stddev	.00049	.00032	.00256	.00001	.00090	.00003	.00072	.388	.00006	.00031
%RSD	80.250	.22711	194.04	.07227	.41625	57.895	61.135	.63306	20.384	1400.0
#1	.00096	.14277	-.00049	.01894	.21654	-.00003	-.00168	61.047	.00026	.00024
#2	.00026	.14231	.00313	.01896	.21782	-.00007	-.00067	61.596	.00034	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00141**	**.11917**	**3.2883**	**.00533**	**8.8194**	**.00296**	**.00104**	**4.7737**	**.00349**
Stddev	.00010	.00021	.00047	.0807	.00089	.0346	.00002	.00019	.0145	.00026
%RSD	12.778	14.729	.39125	2.4554	16.672	.39204	.84061	18.439	.30400	7.4039
#1	.00074	.00127	.11884	3.3454	.00596	8.8438	.00298	.00117	4.7635	.00331
#2	.00088	.00156	.11950	3.2312	.00470	8.7949	.00295	.00090	4.7840	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23532**	**-.00157**	**5.2115**	**-.00122**	**.00031**	**11.103**	**23.760**	**.00041**	**.33931**	**.00044**
Stddev	.00005	.00037	.0040	.00067	.00123	.065	.140	.00042	.00085	.00040
%RSD	.02197	23.730	.07770	54.554	398.93	.58963	.58963	102.56	.25063	90.056
#1	.23536	-.00131	5.2087	-.00075	-.00056	11.057	23.661	.00071	.33871	.00073
#2	.23528	-.00183	5.2144	-.00169	.00118	11.149	23.859	.00011	.33991	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00097**	**-.01574**	**.00149**	**.00488**	**.00413**
Stddev	.00023	.00145	.00787	.00040	.00050	.00119
%RSD	8.0567	149.22	50.015	26.919	10.187	28.812
#1	.00298	-.00005	-.02131	.00178	.00453	.00328
#2	.00266	.00199	-.01018	.00121	.00523	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8308.1**	**111050.**	**6511.6**
Stddev	14.4	132.	3.9
%RSD	.17304	.11848	.05986
#1	8318.3	110960.	6514.4
#2	8297.9	111150.	6508.9

Sample Name: 280-48900-k-1-aSD@5 Acquired: 11/11/2013 23:24:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.03483**	**.00305**	**.00415**	**.04380**	**-.00012**	**-.00068**	**12.385**	**.00016**	**.00005**
Stddev	.00003	.00029	.00049	.00049	.00055	.00008	.00056	.009	.00008	.00014
%RSD	8.1022	.82270	16.070	11.847	1.2450	68.300	81.693	.07546	48.888	303.39
#1	.00043	.03463	.00340	.00450	.04419	-.00017	-.00029	12.378	.00021	.00015
#2	.00039	.03503	.00271	.00380	.04341	-.00006	-.00108	12.391	.00010	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00033**	**.03770**	**.67232**	**.00003**	**1.8133**	**.00077**	**.00017**	**.99216**	**.00072**
Stddev	.00002	.00052	.00006	.12181	.00034	.0115	.00000	.00004	.00176	.00008
%RSD	11.678	154.65	.16564	18.117	1087.0	.63295	.43946	21.099	.17781	10.645
#1	.00019	-.00003	.03774	.75845	.00027	1.8214	.00077	.00015	.99092	.00066
#2	.00023	.00070	.03765	.58619	-.00021	1.8052	.00077	.00020	.99341	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04364**	**-.00041**	**1.0386**	**-.00116**	**-.00105**	**2.1758**	**4.6562**	**.00243**	**.06909**	**-.00051**
Stddev	.00070	.00097	.0065	.00077	.00124	.0105	.0226	.00018	.00044	.00109
%RSD	1.6031	234.78	.62961	66.725	118.17	.48432	.48432	7.4315	.64307	214.43
#1	.04413	-.00110	1.0433	-.00171	-.00193	2.1832	4.6721	.00256	.06940	.00026
#2	.04314	.00027	1.0340	-.00061	-.00017	2.1683	4.6402	.00230	.06877	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00107**	**.02781**	**.00058**	**.00585**	**.00230**
Stddev	.00000	.00042	.02278	.00000	.00022	.00015
%RSD	2.6959	38.810	81.897	.32477	3.7221	6.3427
#1	.00012	.00137	.01171	.00058	.00570	.00220
#2	.00013	.00078	.04392	.00057	.00601	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.4**	**111690.**	**6453.4**
Stddev	11.3	1470.	5.6
%RSD	.13515	1.3166	.08699
#1	8359.4	110650.	6449.5
#2	8343.5	112730.	6457.4

Sample Name: 280-48900-k-1-b ms Acquired: 11/11/2013 23:26:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04685**	**2.0587**	**.92290**	**.94641**	**2.0841**	**.04534**	F **2.0784**	**104.65**	**.09794**	**.45019**
Stddev	.00045	.0003	.00287	.00570	.0026	.00058	.0138	.20	.00046	.00069
%RSD	.95540	.01357	.31106	.60199	.12341	1.2820	.66534	.19127	.46692	.15239
#1	.04653	2.0589	.92493	.95044	2.0859	.04575	2.0882	104.79	.09827	.45067
#2	.04716	2.0585	.92087	.94239	2.0823	.04493	2.0686	104.51	.09762	.44970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18921**	**.24002**	**1.0175**	**51.460**	**.93966**	**54.654**	**.45584**	**.95294**	**54.331**	**.46012**
Stddev	.00047	.00010	.0108	.057	.00455	.013	.00072	.00274	.288	.00058
%RSD	.24700	.04014	1.0591	.11001	.48427	.02299	.15754	.28754	.52963	.12713
#1	.18955	.23995	1.0251	51.420	.94288	54.663	.45635	.95488	54.535	.46053
#2	.18888	.24009	1.0098	51.500	.93645	54.645	.45533	.95100	54.128	.45970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.7380**	**.45190**	**5.1073**	**.44452**	**1.8220**	**20.089**	**42.991**	**1.8724**	**1.2635**	**.92750**
Stddev	.0538	.00321	.0243	.00170	.0118	.229	.490	.0021	.0037	.00073
%RSD	.55243	.70993	.47625	.38310	.64486	1.1402	1.1402	.11194	.28978	.07892
#1	9.7761	.45417	5.1245	.44332	1.8303	20.251	43.337	1.8739	1.2661	.92698
#2	9.7000	.44963	5.0901	.44573	1.8137	19.927	42.644	1.8709	1.2609	.92801
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92494**	**1.7694**	**1.9783**	**.47110**	**.46635**	**.47270**
Stddev	.00073	.0027	.0037	.00013	.00227	.00559
%RSD	.07923	.15035	.18763	.02681	.48769	1.1835
#1	.92546	1.7713	1.9757	.47118	.46474	.47666
#2	.92443	1.7675	1.9809	.47101	.46796	.46874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7934.2**	**106180.**	**6458.8**
Stddev	40.0	466.	26.7
%RSD	.50395	.43919	.41336
#1	7962.5	106510.	6477.6
#2	7906.0	105850.	6439.9

Sample Name: 280-48900-k-1-c msd Acquired: 11/11/2013 23:28:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04918**	**2.1677**	**.97327**	**.99890**	**2.1871**	**.04745**	F **2.1802**	**110.20**	**.10295**	**.47238**
Stddev	.00016	.0044	.00162	.00094	.0127	.00031	.0029	.50	.00025	.00091
%RSD	.32037	.20486	.16614	.09457	.57875	.65318	.13272	.45528	.24257	.19205
#1	.04907	2.1709	.97441	.99957	2.1960	.04767	2.1781	110.56	.10313	.47302
#2	.04929	2.1646	.97213	.99824	2.1781	.04723	2.1822	109.85	.10277	.47174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19890**	**.24975**	**1.0775**	**54.498**	**.99101**	**57.770**	**.47990**	**1.0005**	**57.463**	**.48428**
Stddev	.00013	.00074	.0053	.260	.00346	.155	.00072	.0011	.309	.00045
%RSD	.06728	.29568	.49551	.47705	.34947	.26901	.14908	.10648	.53850	.09289
#1	.19900	.24922	1.0813	54.682	.99346	57.880	.48041	.99973	57.682	.48459
#2	.19881	.25027	1.0738	54.314	.98856	57.660	.47939	1.0012	57.244	.48396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.273**	**.47629**	**5.3532**	**.46971**	**1.9208**	**21.191**	**45.348**	**1.9662**	**1.3240**	**.97064**
Stddev	.026	.00014	.0005	.00053	.0096	.202	.433	.0041	.0074	.00015
%RSD	.25613	.03010	.00945	.11354	.50030	.95459	.95459	.20993	.55843	.01539
#1	10.292	.47619	5.3529	.47009	1.9275	21.334	45.654	1.9691	1.3292	.97074
#2	10.255	.47639	5.3536	.46934	1.9140	21.048	45.042	1.9632	1.3188	.97053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96901**	**1.8552**	**2.0704**	**.49448**	**.49401**	**.49762**
Stddev	.00055	.0013	.0185	.00199	.00247	.00518
%RSD	.05667	.06938	.89354	.40172	.50006	1.0417
#1	.96939	1.8561	2.0835	.49589	.49576	.50128
#2	.96862	1.8543	2.0573	.49308	.49227	.49395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.0**	**104120.**	**6214.8**
Stddev	22.2	426.	13.4
%RSD	.28212	.40934	.21510
#1	7862.3	103820.	6224.3
#2	7893.8	104420.	6205.4

Sample Name: 280-48900-k-2-a Acquired: 11/11/2013 23:30:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00595**	**.00005**	**.02573**	**.20833**	**-.00008**	**-.00056**	**201.73**	**.00060**	**.00989**
Stddev	.00015	.00039	.00067	.00020	.00048	.00009	.00091	.51	.00003	.00006
%RSD	27.258	6.5645	1280.9	.77095	.22929	105.02	161.83	.25135	4.4225	.63385
#1	.00045	.00568	.00052	.02587	.20866	-.00015	.00008	201.38	.00058	.00994
#2	.00067	.00623	-.00042	.02559	.20799	-.00002	-.00120	202.09	.00062	.00985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00187**	**.62085**	**2.3817**	**.00940**	**25.876**	**9.1550**	**.00286**	**12.140**	**.01972**
Stddev	.00008	.00012	.00168	.0057	.00007	.069	.0331	.00002	.332	.00016
%RSD	27.081	6.3703	.27045	.23989	.74944	.26689	.36103	.60440	2.7335	.80995
#1	.00025	.00179	.61966	2.3777	.00935	25.925	9.1316	.00287	11.905	.01960
#2	.00037	.00196	.62204	2.3858	.00945	25.827	9.1784	.00284	12.374	.01983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14157**	**-.00003**	**22.690**	**-.00302**	**.00092**	**9.6067**	**20.558**	**.00051**	**.88164**	**-.00040**
Stddev	.00299	.00042	.021	.00071	.00243	.0371	.079	.00017	.00043	.00396
%RSD	2.1094	1376.6	.09079	23.517	263.43	.38666	.38666	33.309	.04834	991.45
#1	.13946	.00027	22.704	-.00252	-.00080	9.5804	20.502	.00039	.88194	-.00320
#2	.14368	-.00033	22.675	-.00353	.00264	9.6329	20.615	.00063	.88134	.00240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00430**	W **-.05828**	**.00219**	**.00783**	**.00195**
Stddev	.00023	.00116	.00959	.00002	.00013	.00245
%RSD	414.87	27.038	16.451	.95592	1.6600	125.67
#1	.00011	-.00348	-.05150	.00221	.00792	.00368
#2	-.00022	-.00512	-.06506	.00218	.00774	.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7970.6**	**105730.**	**6349.1**
Stddev	3.0	538.	56.3
%RSD	.03746	.50871	.88715
#1	7968.5	105350.	6388.9
#2	7972.8	106110.	6309.2

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:33:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**51.368**	**.00071**	**.00201**	**.00019**	**-.00018**	W **1.0738**	**.08283**	**-.00019**	**-.00012**	**.00007**	**.01275**
Stddev	.00022	.213	.00109	.00024	.00007	.00000	.0041	.02616	.00034	.00013	.00018	.00034
%RSD	2.7160	.41484	153.19	12.083	37.777	1.1569	.38510	31.586	179.34	108.52	248.07	2.6537
#1	.00785	51.519	.00148	.00184	.00014	-.00018	1.0768	.10133	-.00043	-.00003	-.00006	.01299
#2	.00815	51.218	-.00006	.00219	.00024	-.00018	1.0709	.06433	.00005	-.00021	.00020	.01251
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.483**	**.02785**	**-.00172**	**.08180**	**.00155**	**-.00020**	**265.02**	**-.00024**	**-.00066**	**.00086**	**5.1143**	**.00028**
Stddev	.746	.00867	.00011	.00184	.00023	.00009	1.09	.00007	.00130	.00078	.0093	.00052
%RSD	1.4783	31.130	6.4792	2.2443	14.902	44.011	.41169	27.818	198.32	91.191	.18125	184.62
#1	51.011	.02172	-.00164	.08309	.00171	-.00026	265.79	-.00019	-.00158	.00141	5.1209	-.00009
#2	49.955	.03398	-.00180	.08050	.00138	-.00014	264.25	-.00028	.00026	.00030	5.1078	.00064
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00533**	**.02195**	**.04698**	**-.00033**	**.00055**	**4.9763**	**-.01300**	**.00182**	F **6.3259**	**.00130**	**.00144**	**.06167**
Stddev	.00121	.01147	.02454	.00001	.00011	.0081	.00046	.00083	.0528	.00002	.00025	.00062
%RSD	22.718	52.230	52.230	2.8325	20.014	.16332	3.5283	45.791	.83396	1.4513	17.256	1.0030
#1	-.00448	.03006	.06433	-.00032	.00062	4.9821	-.01332	.00240	6.2886	.00132	.00162	.06210
#2	-.00619	.01385	.02963	-.00034	.00047	4.9706	-.01267	.00123	6.3632	.00129	.00127	.06123
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8006.5**	**105250.**	**6354.7**
Stddev	1.3	473.	32.8
%RSD	.01663	.44893	.51548
#1	8005.5	104920.	6331.5
#2	8007.4	105590.	6377.8

Sample Name: CCV-2372889 Acquired: 11/11/2013 23:35:30 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50239**	**.54506**	**1.0051**	**.50642**	**.50338**	**.49147**	**-.00482**	**5.0942**	**.50665**	**.50833**	**.51213**	**.50541**	**2.4828**
Stddev	.00075	.00158	.0006	.00142	.00303	.00122	.00356	.0324	.00127	.00080	.00107	.00008	.0310
%RSD	.14872	.29020	.06469	.28068	.60221	.24734	73.760	.63570	.25112	.15748	.20930	.01653	1.2497
#1	.50186	.54394	1.0047	.50541	.50124	.49061	-.00734	5.1171	.50575	.50776	.51137	.50535	2.5047
#2	.50292	.54617	1.0056	.50743	.50553	.49233	-.00231	5.0713	.50755	.50889	.51289	.50547	2.4608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.107**	**1.0053**	**20.330**	**.50116**	**.51713**	**5.3029**	**.51637**	**1.0181**	**1.0438**	**.01394**	**1.0080**	**1.0188**	**4.9218**
Stddev	.104	.0017	.100	.00132	.00334	.0496	.00160	.0088	.0068	.00196	.0049	.0058	.0584
%RSD	.20015	.16864	.49047	.26396	.64536	.93523	.30920	.86223	.64838	14.050	.48809	.57265	1.1871
#1	52.033	1.0041	20.260	.50022	.51477	5.3380	.51524	1.0119	1.0390	.01255	1.0045	1.0147	4.9631
#2	52.180	1.0065	20.401	.50209	.51949	5.2679	.51750	1.0243	1.0486	.01532	1.0115	1.0229	4.8805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.533**	**1.0398**	**.50139**	**-.00287**	**.49473**	**1.0411**	**.01355**	**.50547**	**.52005**	**.49758**
Stddev	.125	.0049	.00163	.00018	.00157	.0031	.00110	.00100	.00225	.00383
%RSD	1.1871	.47425	.32579	6.3865	.31720	.29922	8.1364	.19711	.43291	.77029
#1	10.621	1.0363	.50024	-.00300	.49363	1.0389	.01433	.50476	.51846	.50029
#2	10.444	1.0433	.50255	-.00274	.49584	1.0433	.01277	.50617	.52164	.49487
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8168.0**	**109250.**	**6328.2**
Stddev	9.8	542.	10.7
%RSD	.12034	.49581	.16934
#1	8174.9	109640.	6335.8
#2	8161.0	108870.	6320.6

Sample Name: CCB Acquired: 11/11/2013 23:37:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00415**	**.00070**	**.00102**	**.00007**	**.00017**	**-.00226**	**.01168**	**-.00008**	**.00014**	**-.00009**
Stddev	.00007	.00022	.00064	.00044	.00005	.00002	.00098	.00075	.00009	.00018	.00012
%RSD	14.939	5.2992	91.924	43.240	74.386	10.972	43.573	6.4426	120.69	125.60	131.50
#1	.00055	-.00399	.00025	.00071	.00003	.00019	-.00156	.01222	-.00001	.00002	-.00001
#2	.00044	-.00431	.00116	.00133	.00011	.00016	-.00296	.01115	-.00014	.00027	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00116**	**.05339**	**-.00017**	**.00136**	**.00017**	**.00029**	**.00338**	**.00052**	**-.00412**	**-.00029**
Stddev	.00014	.00017	.02158	.00039	.00005	.00000	.00004	.01886	.00008	.00020	.00052
%RSD	42.492	14.313	40.414	226.58	3.6063	.63748	14.949	558.38	15.635	4.9709	180.61
#1	-.00043	.00128	.03813	-.00045	.00132	.00017	.00032	-.00996	.00047	-.00398	.00008
#2	-.00023	.00104	.06865	.00010	.00139	.00018	.00026	.01672	.00058	-.00427	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02098**	F **.00697**	**.00025**	**.02535**	**.05424**	**.00021**	**.00015**	**-.00004**	W **-.00068**	**-.00012**	**.04126**
Stddev	.00138	.00051	.00272	.00467	.01000	.00102	.00011	.00121	.00016	.00029	.01628
%RSD	6.5952	7.3261	1105.4	18.435	18.435	485.43	73.116	3221.3	23.019	233.61	39.455
#1	.02000	.00661	.00217	.02865	.06131	.00093	.00023	.00082	-.00079	.00008	.02975
#2	.02196	.00733	-.00168	.02204	.04717	-.00051	.00007	-.00089	-.00057	-.00033	.05277
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		.00628							.00060		
Low Limit		-.00628							-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00058**	**.00297**	W **.00242**
Stddev	.00063	.00020	.00030
%RSD	109.56	6.5877	12.276
#1	.00013	.00283	.00221
#2	.00103	.00310	.00263
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8259.1**	**111230.**	**6269.4**
Stddev	37.3	180.	31.6
%RSD	.45147	.16182	.50332
#1	8285.5	111100.	6247.0
#2	8232.7	111360.	6291.7

Sample Name: CCVL2372865 Acquired: 11/11/2013 23:39:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.10838**	**.01702**	**.10059**	**.01002**	**.00092**	**.12733**	**.21279**	**.00524**	**.01076**	**.01041**	**.01593**	**.09969**
Stddev	.00002	.00054	.00201	.00010	.00016	.00003	.00008	.00222	.00013	.00016	.00011	.00034	.00134
%RSD	.17078	.49921	11.798	.10363	1.6228	3.4366	.06569	1.0449	2.4488	1.4750	1.0117	2.1619	1.3423
#1	.01098	.10877	.01844	.10067	.00991	.00090	.12728	.21437	.00515	.01087	.01034	.01617	.10064
#2	.01101	.10800	.01560	.10052	.01014	.00095	.12739	.21122	.00533	.01064	.01048	.01568	.09874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1062**	**.00754**	**.20916**	**.01025**	**.02024**	**1.0585**	**.04269**	**2.9819**	**.00928**	**.01580**	**.00747**	**.01454**	**.49078**
Stddev	.0368	.00327	.00123	.00003	.00018	.0052	.00039	.0002	.00033	.00147	.00019	.00000	.01068
%RSD	1.1842	43.358	.58591	.25581	.87024	.49355	.90724	.00539	3.5687	9.2778	2.5690	.01987	2.1759
#1	3.1322	.00523	.20829	.01023	.02036	1.0622	.04296	2.9818	.00952	.01683	.00760	.01453	.49833
#2	3.0802	.00985	.21003	.01027	.02011	1.0548	.04241	2.9820	.00905	.01476	.00733	.01454	.48322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0503**	**.10465**	**.00999**	**.01319**	**.00914**	**.01637**	F **.11338**	**.01001**	**.02369**	**.01588**
Stddev	.0228	.00036	.00019	.00071	.00017	.00013	.04004	.00044	.00027	.00074
%RSD	2.1759	.33982	1.8793	5.4155	1.8679	.77253	35.311	4.3670	1.1254	4.6372
#1	1.0664	.10490	.01013	.01269	.00926	.01628	.08507	.00970	.02350	.01641
#2	1.0341	.10440	.00986	.01370	.00902	.01646	.14169	.01032	.02388	.01536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8560.5**	**115810.**	**6602.1**
Stddev	12.6	143.	45.0
%RSD	.14729	.12350	.68226
#1	8551.5	115710.	6570.3
#2	8569.4	115910.	6634.0

Sample Name: 280-48901-e-1-a Acquired: 11/11/2013 23:42:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00451**	**-.00073**	**.14020**	**.12798**	**-.00004**	**-.00158**	**435.54**	**.00297**	**.00291**
Stddev	.00053	.00006	.00122	.00016	.00055	.00009	.00153	3.94	.00020	.00024
%RSD	51.137	1.4266	166.92	.11446	.43142	199.73	96.847	.90423	6.8320	8.3391
#1	.00066	.00447	.00013	.14031	.12759	-.00011	-.00266	432.76	.00311	.00308
#2	.00141	.00456	-.00159	.14009	.12837	.00002	-.00050	438.33	.00282	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00242**	**.02489**	**2.9065**	**.02562**	**43.053**	W **12.584**	**.00543**	**212.43**	**.09087**
Stddev	.00003	.00030	.00027	.0200	.00133	.081	.057	.00007	.09	.00009
%RSD	10.120	12.596	1.0971	.68754	5.1845	.18814	.45430	1.3715	.04325	.09670
#1	.00026	.00221	.02508	2.8924	.02655	43.110	12.544	.00537	212.37	.09081
#2	.00030	.00264	.02470	2.9207	.02468	42.996	12.624	.00548	212.50	.09094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21614**	**-.00012**	**89.567**	**-.00119**	**-.00105**	**13.392**	**28.659**	**-.00004**	**1.2597**	**-.00172**
Stddev	.00114	.00102	.147	.00052	.00158	.118	.254	.00017	.0007	.00185
%RSD	.52936	812.64	.16389	44.165	150.00	.88474	.88474	395.47	.05389	107.49
#1	.21533	.00059	89.671	-.00082	-.00217	13.308	28.480	.00008	1.2602	-.00303
#2	.21695	-.00084	89.464	-.00156	.00006	13.476	28.839	-.00017	1.2593	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00535**	**-.03428**	**.00355**	**.01355**	**.00217**
Stddev	.00002	.00026	.00394	.00075	.00055	.00200
%RSD	219.19	4.7958	11.478	21.271	4.0388	92.159
#1	-.00001	-.00517	-.03706	.00408	.01394	.00359
#2	.00003	-.00553	-.03150	.00301	.01316	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7616.5**	**101990.**	**6348.2**
Stddev	19.2	332.	38.2
%RSD	.25209	.32576	.60242
#1	7630.1	101750.	6375.3
#2	7602.9	102220.	6321.2

Sample Name: 280-48901-b-2-a Acquired: 11/11/2013 23:44:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.17429**	**.00358**	**.01894**	**.21923**	**.00003**	**-.00317**	**58.708**	**.00022**	**-.00008**
Stddev	.00015	.00088	.00052	.00016	.00001	.00004	.00230	.297	.00001	.00025
%RSD	195.41	.50601	14.468	.83148	.00345	134.85	72.713	.50604	5.6780	319.89
#1	.00018	.17491	.00322	.01905	.21924	.00000	-.00154	58.918	.00022	-.00026
#2	-.00003	.17367	.00395	.01883	.21923	.00005	-.00480	58.498	.00021	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00143**	**.12195**	**3.4305**	**.00559**	**8.9675**	**.00451**	**.00059**	**5.0648**	**.00305**
Stddev	.00001	.00022	.00120	.0250	.00033	.0000	.00030	.00022	.0349	.00024
%RSD	1.3123	15.080	.98434	.72976	5.8521	.00010	6.7190	36.848	.68859	7.8709
#1	.00092	.00159	.12111	3.4128	.00535	8.9675	.00472	.00044	5.0894	.00322
#2	.00093	.00128	.12280	3.4482	.00582	8.9675	.00430	.00074	5.0401	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25650**	**-.00159**	**4.9692**	**-.00295**	**.00049**	**11.673**	**24.981**	**.00008**	**.33617**	**-.00083**
Stddev	.00006	.00040	.0085	.00226	.00342	.040	.085	.00061	.00099	.00227
%RSD	.02489	25.220	.17173	76.853	701.12	.33875	.33875	796.20	.29431	273.33
#1	.25646	-.00130	4.9752	-.00134	-.00193	11.645	24.921	.00050	.33687	-.00243
#2	.25655	-.00187	4.9631	-.00455	.00291	11.701	25.040	-.00035	.33547	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**.00114**	**.01605**	**.00123**	**.00445**	**.00314**
Stddev	.00009	.00157	.00531	.00042	.00018	.00213
%RSD	2.4824	138.17	33.078	34.455	4.0400	67.848
#1	.00369	.00225	.01981	.00152	.00458	.00163
#2	.00356	.00003	.01230	.00093	.00433	.00464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8322.9**	**111420.**	**6619.7**
Stddev	20.4	320.	50.1
%RSD	.24500	.28750	.75701
#1	8308.5	111650.	6584.3
#2	8337.3	111200.	6655.1

Sample Name: 280-48901-b-3-a Acquired: 11/11/2013 23:47:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.01105**	**.00054**	**.02112**	**.24589**	**-.00005**	**-.00224**	**224.41**	**.00035**	**.01561**
Stddev	.00023	.00024	.00176	.00005	.00083	.00001	.00082	.58	.00014	.00016
%RSD	49.773	2.1830	325.67	.24047	.33780	11.268	36.526	.26060	40.022	1.0352
#1	.00029	.01122	.00178	.02116	.24531	-.00004	-.00282	224.00	.00025	.01550
#2	.00061	.01088	-.00070	.02109	.24648	-.00005	-.00166	224.83	.00045	.01573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00169**	**1.1139**	**2.1755**	**.01279**	**26.500**	**7.4818**	**.00174**	**12.929**	**.01806**
Stddev	.00011	.00010	.0016	.0357	.00071	.036	.0600	.00000	.035	.00013
%RSD	147.80	6.0568	.14167	1.6387	5.5774	.13423	.80222	.00088	.26925	.71610
#1	-.00015	.00162	1.1151	2.2007	.01228	26.525	7.4393	.00174	12.904	.01797
#2	.00000	.00176	1.1128	2.1503	.01329	26.475	7.5242	.00174	12.953	.01815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18454**	**.00023**	**24.953**	**-.00008**	**-.00106**	**10.645**	**22.780**	**.00027**	**.98001**	**-.00118**
Stddev	.00449	.00085	.041	.00165	.00150	.086	.183	.00028	.00454	.00051
%RSD	2.4357	371.74	.16306	1949.0	140.67	.80505	.80505	105.13	.46294	43.004
#1	.18136	.00083	24.924	.00108	-.00212	10.705	22.910	.00007	.97680	-.00082
#2	.18772	-.00037	24.982	-.00125	-.00001	10.584	22.650	.00047	.98321	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00391**	**-.00755**	**.00205**	**.00767**	**.00034**
Stddev	.00032	.00006	.00925	.00042	.00031	.00163
%RSD	207.52	1.5518	122.47	20.632	4.0126	484.35
#1	-.00038	-.00395	-.01409	.00175	.00745	-.00082
#2	.00007	-.00387	-.00101	.00234	.00788	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8023.4**	**107420.**	**6466.9**
Stddev	.7	315.	26.0
%RSD	.00815	.29288	.40265
#1	8023.8	107640.	6485.3
#2	8022.9	107200.	6448.5

Sample Name: 280-48901-e-4-a Acquired: 11/11/2013 23:49:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00975**	**.00286**	**.02383**	**.21370**	**-.00009**	**-.00231**	**205.50**	**.00051**	**.00988**
Stddev	.00012	.00004	.00062	.00044	.00162	.00003	.00277	1.59	.00009	.00006
%RSD	14.116	.39320	21.804	1.8668	.75766	30.623	119.60	.77402	17.783	.58720
#1	.00074	.00973	.00330	.02351	.21255	-.00007	-.00427	204.38	.00057	.00984
#2	.00091	.00978	.00242	.02414	.21484	-.00010	-.00036	206.63	.00044	.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00163**	**.63756**	**2.3240**	**.01104**	**25.903**	**9.2670**	**.00216**	**12.277**	**.01978**
Stddev	.00004	.00020	.00641	.0503	.00202	.037	.0494	.00029	.208	.00019
%RSD	232.92	12.557	1.0046	2.1651	18.260	.14438	.53286	13.249	1.6941	.96627
#1	.00001	.00148	.63303	2.3596	.01247	25.877	9.2321	.00236	12.130	.01992
#2	-.00005	.00177	.64209	2.2884	.00962	25.930	9.3019	.00196	12.424	.01965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14475**	**.00035**	**23.052**	**-.00208**	**.00077**	**9.6429**	**20.636**	**.00359**	**.90451**	**-.00047**
Stddev	.00096	.00040	.025	.00069	.00393	.0034	.007	.00021	.00717	.00180
%RSD	.66304	111.81	.10977	33.082	507.04	.03513	.03513	5.8001	.79302	379.50
#1	.14407	.00007	23.034	-.00257	.00355	9.6405	20.631	.00344	.89944	.00080
#2	.14543	.00063	23.070	-.00160	-.00200	9.6453	20.641	.00374	.90958	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00511**	**-.04718**	**.00211**	**.00883**	**.00132**
Stddev	.00002	.00011	.04694	.00014	.00010	.00169
%RSD	7.0578	2.0827	99.502	6.7438	1.1666	127.89
#1	-.00026	-.00503	-.08037	.00221	.00876	.00251
#2	-.00028	-.00518	-.01398	.00201	.00890	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7998.2**	**106860.**	**6473.4**
Stddev	2.6	129.	12.0
%RSD	.03197	.12103	.18560
#1	8000.0	106770.	6481.9
#2	7996.4	106950.	6464.9

Sample Name: 280-48901-e-5-a Acquired: 11/11/2013 23:51:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.08690**	**-.00089**	**.11523**	**.03427**	**.00000**	**-.00368**	**240.78**	**.00083**	**.00008**
Stddev	.00055	.00022	.00061	.00039	.00036	.0000	.00031	1.14	.00007	.00022
%RSD	205.40	.25693	68.760	.33439	1.0596	898.95	8.4934	.47195	8.4269	275.95
#1	.00066	.08674	-.00046	.11496	.03452	.00002	-.00391	241.58	.00078	.00024
#2	-.00012	.08706	-.00132	.11550	.03401	-.00003	-.00346	239.97	.00087	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00262**	**.08135**	**5.2475**	**.03008**	**65.012**	**.00577**	**.00778**	**32.946**	**.00191**
Stddev	.00008	.00029	.00313	.0760	.00455	.021	.00033	.00033	.305	.00025
%RSD	15.334	10.961	3.8487	1.4488	15.120	.03193	5.6410	4.3041	.92465	12.875
#1	.00054	.00282	.08357	5.3012	.03329	65.026	.00600	.00754	33.162	.00208
#2	.00044	.00241	.07914	5.1937	.02686	64.997	.00554	.00801	32.731	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01402**	**-.00101**	W **185.75**	**-.00185**	**.02725**	**7.0611**	**15.111**	**-.00022**	**1.6987**	**-.00244**
Stddev	.00205	.00057	.19	.00001	.00302	.0420	.090	.00022	.0022	.00090
%RSD	14.619	56.208	.10211	.37480	11.087	.59524	.59524	102.52	.13190	36.695
#1	.01547	-.00061	185.88	-.00186	.02939	7.0909	15.174	-.00038	1.7003	-.00181
#2	.01257	-.00141	185.61	-.00185	.02511	7.0314	15.047	-.00006	1.6971	-.00307
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.00158**	**.03633**	**.00102**	**.01204**	**.00026**
Stddev	.00046	.00025	.00955	.00017	.00001	.00238
%RSD	21.198	15.621	26.274	17.024	.06234	898.40
#1	.00248	.00176	.02958	.00089	.01205	-.00142
#2	.00184	.00141	.04308	.00114	.01204	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7887.4**	**106040.**	**6480.4**
Stddev	26.9	54.	15.8
%RSD	.34123	.05066	.24311
#1	7868.4	106010.	6469.3
#2	7906.4	106080.	6491.5

Sample Name: 280-48901-e-6-a Acquired: 11/11/2013 23:54:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00204**	**.00222**	**.06542**	**.08746**	**.00000**	**-.00215**	**214.01**	**.00369**	**.00093**
Stddev	.00056	.00010	.00108	.00039	.00014	.0001	.00081	.32	.00006	.00028
%RSD	566.59	5.1206	48.511	.60204	.16358	1743.5	37.645	.14771	1.4932	29.646
#1	-.00030	.00211	.00299	.06570	.08736	.00004	-.00273	214.24	.00365	.00113
#2	.00050	.00196	.00146	.06515	.08756	-.00005	-.00158	213.79	.00373	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.01928**	**.09751**	**3.2170**	**.02243**	**43.297**	**.28855**	**.00494**	**27.975**	**.06294**
Stddev	.00004	.00005	.00216	.0329	.00195	.459	.00218	.00020	.320	.00019
%RSD	6.5707	.27471	2.2102	1.0225	8.6862	1.0603	.75639	4.1127	1.1449	.30604
#1	.00060	.01924	.09599	3.1938	.02105	43.622	.29009	.00508	28.202	.06281
#2	.00066	.01931	.09904	3.2403	.02380	42.973	.28701	.00480	27.749	.06308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00718**	**-.00066**	**61.989**	**-.00102**	**.03822**	**8.6765**	**18.568**	**-.00008**	**1.2247**	**.00008**
Stddev	.00118	.00009	.061	.00153	.00094	.0626	.134	.00010	.0016	.00007
%RSD	16.397	13.510	.09910	150.07	2.4577	.72197	.72197	112.80	.13042	84.561
#1	.00635	-.00060	62.032	.00006	.03888	8.7208	18.662	-.00002	1.2235	.00013
#2	.00802	-.00072	61.946	-.00210	.03756	8.6322	18.473	-.00015	1.2258	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00048**	**-.02652**	**.00102**	**.15287**	**.00313**
Stddev	.00018	.00043	.04502	.00016	.00179	.00048
%RSD	346.29	88.582	169.80	16.132	1.1734	15.429
#1	-.00018	.00078	-.05835	.00090	.15414	.00279
#2	.00008	.00018	.00532	.00113	.15160	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8007.8**	**108320.**	**6646.8**
Stddev	1.0	469.	24.0
%RSD	.01311	.43340	.36138
#1	8007.1	107990.	6629.8
#2	8008.6	108650.	6663.8

Sample Name: 280-48901-e-7-a Acquired: 11/11/2013 23:56:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.04639**	**.00292**	**.06496**	**.04289**	**-.00003**	**-.00127**	**370.03**	**.00076**	**.00249**
Stddev	.00018	.00070	.00334	.00010	.00004	.00007	.00138	2.26	.00006	.00015
%RSD	58.756	1.5086	114.69	.15529	.09916	259.71	108.86	.61016	8.0373	6.1808
#1	.00018	.04689	.00055	.06488	.04292	-.00007	-.00029	368.43	.00080	.00238
#2	.00044	.04590	.00528	.06503	.04286	.00002	-.00224	371.62	.00071	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00636**	**1.2655**	**1.4637**	**.01751**	**24.666**	**.29718**	**.00438**	**48.615**	**.04366**
Stddev	.00007	.00009	.0018	.0327	.00164	.064	.00018	.00014	.060	.00036
%RSD	23.427	1.4222	.14436	2.2336	9.3401	.26025	.06024	3.1635	.12351	.81726
#1	.00026	.00630	1.2643	1.4868	.01636	24.712	.29705	.00448	48.657	.04391
#2	.00036	.00643	1.2668	1.4406	.01867	24.621	.29731	.00428	48.572	.04341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07884**	**-.00155**	W **187.71**	**-.00067**	**-.00194**	**10.972**	**23.479**	**.00007**	**1.7443**	**-.00229**
Stddev	.00329	.00065	.29	.00177	.00448	.040	.085	.00045	.0071	.00194
%RSD	4.1731	42.188	.15268	263.35	230.99	.36228	.36228	640.06	.40925	85.066
#1	.07652	-.00202	187.51	-.00192	-.00511	10.943	23.419	-.00025	1.7392	-.00091
#2	.08117	-.00109	187.91	.00058	.00123	11.000	23.539	.00039	1.7493	-.00366
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00104**	**.01216**	**.00115**	**.03461**	**.00289**
Stddev	.00043	.00269	.05003	.00003	.00067	.00096
%RSD	73.505	259.73	411.56	2.2130	1.9487	33.244
#1	.00028	-.00087	-.02322	.00117	.03413	.00358
#2	.00089	.00294	.04753	.00113	.03509	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7982.9**	**107580.**	**6750.3**
Stddev	4.1	40.	6.2
%RSD	.05131	.03730	.09117
#1	7980.1	107550.	6754.6
#2	7985.8	107610.	6745.9

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:58:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00802**	**51.348**	**.00374**	**.00072**	**-.00006**	**-.00013**	W **1.0996**	**.13329**	**-.00027**	**-.00049**	**-.00003**	**.01273**
Stddev	.00041	.398	.00061	.00043	.00028	.00002	.0004	.05291	.00001	.00015	.00013	.00002
%RSD	5.1492	.77538	16.188	59.236	446.19	18.397	.03703	39.700	4.0777	30.567	516.32	.15736
#1	.00773	51.067	.00332	.00102	.00014	-.00011	1.0993	.17070	-.00028	-.00039	.00007	.01275
#2	.00832	51.630	.00417	.00042	-.00026	-.00014	1.0999	.09587	-.00027	-.00060	-.00012	.01272
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.109**	**.03202**	**-.00233**	**.08700**	**.00083**	**-.00027**	**268.57**	**-.00038**	**-.00191**	**.00010**	**5.2416**	**-.00216**
Stddev	.105	.02999	.00318	.00149	.00009	.00024	2.36	.00010	.00006	.00048	.0192	.00204
%RSD	.20892	93.677	136.63	1.7123	11.021	87.742	.87832	27.797	3.0693	484.86	.36544	94.512
#1	50.183	.01081	-.00458	.08595	.00089	-.00044	266.90	-.00045	-.00195	.00044	5.2552	-.00072
#2	50.035	.05323	-.00008	.08806	.00076	-.00010	270.24	-.00030	-.00187	-.00024	5.2281	-.00361
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00302**	**.01664**	**.03560**	**-.00041**	**.00071**	**4.9729**	**-.01319**	**.00118**	F **6.4046**	**.00163**	**.00128**	**.06876**
Stddev	.00063	.00468	.01002	.00002	.00022	.0249	.00011	.00013	.0015	.00004	.00005	.00160
%RSD	20.822	28.156	28.156	5.4660	30.272	.50073	.79792	10.707	.02344	2.5417	4.0808	2.3230
#1	-.00347	.01332	.02851	-.00043	.00086	4.9552	-.01311	.00109	6.4057	.00166	.00132	.06763
#2	-.00258	.01995	.04269	-.00040	.00056	4.9905	-.01326	.00127	6.4036	.00160	.00125	.06989
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.1**	**110740.**	**6887.2**
Stddev	13.4	455.	78.8
%RSD	.16212	.41125	1.1442
#1	8291.6	111060.	6942.9
#2	8272.6	110420.	6831.4

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:01:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52761**	F **.57339**	**1.0576**	**.52464**	**.52572**	**.51332**	**-.00493**	**5.3062**	**.53183**	**.52875**	**.53463**	**.53529**
Stddev	.00078	.00082	.0053	.00016	.00053	.00075	.00025	.0044	.00069	.00011	.00026	.00076
%RSD	.14726	.14343	.50556	.03096	.10070	.14588	4.9856	.08315	.12964	.02048	.04806	.14201
#1	.52706	.57397	1.0538	.52453	.52534	.51385	-.00476	5.3093	.53231	.52867	.53481	.53583
#2	.52816	.57280	1.0614	.52475	.52609	.51279	-.00510	5.3031	.53134	.52883	.53445	.53476
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6031**	**53.993**	**1.0389**	**21.135**	**.51960**	**.54181**	W **5.5080**	**.53884**	**1.0695**	**1.0833**	**.03056**	**1.0628**
Stddev	.0008	.102	.0002	.008	.00037	.00396	.0426	.00018	.0136	.0045	.00097	.0001
%RSD	.02895	.18983	.01516	.03984	.07139	.73075	.77355	.03267	1.2758	.41479	3.1710	.00450
#1	2.6026	54.065	1.0388	21.141	.51934	.53901	5.5381	.53872	1.0598	1.0801	.03125	1.0628
#2	2.6037	53.921	1.0390	21.129	.51986	.54461	5.4778	.53897	1.0791	1.0864	.02988	1.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0694**	**5.0820**	**10.876**	**1.0860**	**.52452**	**-.00573**	**.51227**	**1.0855**	**.02484**	**.52604**	**.53777**	**.52178**
Stddev	.0022	.0182	.039	.0035	.00046	.00039	.00104	.0015	.03518	.00045	.00010	.00029
%RSD	.20516	.35909	.35909	.32186	.08687	6.7343	.20389	.13814	141.63	.08528	.01868	.05612
#1	1.0710	5.0949	10.903	1.0836	.52484	-.00600	.51301	1.0845	.04972	.52636	.53784	.52199
#2	1.0679	5.0691	10.848	1.0885	.52420	-.00546	.51154	1.0866	-.00004	.52572	.53769	.52158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8285.1**	**112360.**	**6731.2**
Stddev	41.9	73.	58.9
%RSD	.50593	.06488	.87449
#1	8255.5	112310.	6772.9
#2	8314.8	112410.	6689.6

Sample Name: CCB Acquired: 11/12/2013 0:03:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00380**	**.00321**	**-.00010**	**-.00013**	**.00018**	**.00048**	**.01500**	**.00007**	**.00035**	**-.00002**	**.00013**
Stddev	.00078	.00001	.00038	.00029	.00016	.00007	.00135	.00185	.00010	.00013	.00000	.00004
%RSD	137.36	.21818	11.822	286.99	122.60	40.827	284.06	12.316	157.10	36.989	16.025	28.680
#1	.00002	-.00380	.00294	.00010	-.00002	.00024	.00143	.01369	-.00001	.00045	-.00002	.00011
#2	.00113	-.00381	.00348	-.00031	-.00024	.00013	-.00048	.01631	.00014	.00026	-.00001	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.03343**	**-.00072**	**.00580**	**.00011**	**.00039**	**.01667**	**.00033**	**-.00428**	**.00029**	**.03125**	F **.00654**
Stddev	.00063	.01782	.00017	.00097	.00003	.00027	.00933	.00000	.00127	.00027	.00219	.00047
%RSD	280.66	53.290	23.741	16.712	27.426	68.372	55.974	.84482	29.666	94.167	7.0044	7.2342
#1	-.00066	.04603	-.00060	.00648	.00009	.00020	.02327	.00032	-.00338	.00048	.03280	.00621
#2	.00022	.02083	-.00084	.00511	.00014	.00058	.01007	.00033	-.00518	.00010	.02970	.00688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00459**	**.00982**	**.00012**	W **.00033**	**-.00104**	**-.00050**	**-.00031**	**-.00010**	**.00007**	**.00336**	**.00201**
Stddev	.00310	.00532	.01138	.00038	.00013	.00121	.00023	.00072	.04996	.00001	.00009	.00066
%RSD	2480.1	115.84	115.84	303.59	38.559	116.60	46.245	232.37	49500.	15.997	2.6224	32.882
#1	-.00207	.00835	.01787	-.00014	.00042	-.00018	-.00033	.00020	-.03542	.00006	.00342	.00155
#2	.00232	.00083	.00178	.00039	.00024	-.00190	-.00066	-.00082	.03522	.00007	.00330	.00248
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8263.5**	**112190.**	**6426.2**
Stddev	7.5	529.	23.3
%RSD	.09083	.47182	.36273
#1	8268.8	111810.	6409.8
#2	8258.2	112560.	6442.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:05:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01138**	**.11174**	**.01658**	**.10225**	**.01004**	**.00097**	**.12522**	**.22250**	**.00519**	**.01108**	**.01060**	**.01604**	**.10377**
Stddev	.00077	.00046	.00046	.00022	.00014	.00001	.00472	.00292	.00007	.00001	.00001	.00005	.00058
%RSD	6.8011	.41614	2.7875	.21349	1.4040	1.5437	3.7661	1.3109	1.2964	.08112	.07661	.31461	.56151
#1	.01083	.11207	.01691	.10241	.00994	.00098	.12856	.22456	.00515	.01107	.01060	.01600	.10336
#2	.01192	.11141	.01626	.10210	.01014	.00096	.12189	.22043	.00524	.01108	.01061	.01608	.10418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1816**	**.00721**	**.21277**	**.01041**	**.02105**	**1.0779**	**.04354**	**3.0504**	**.00965**	**.03204**	**.01125**	**.01577**	**.51374**
Stddev	.0338	.00240	.00264	.00004	.00007	.0184	.00043	.0041	.00062	.00145	.00003	.00155	.02913
%RSD	1.0613	33.335	1.2413	.42792	.34736	1.7078	.98602	.13315	6.4219	4.5379	.25878	9.8493	5.6706
#1	3.1577	.00891	.21464	.01038	.02100	1.0649	.04324	3.0476	.00922	.03101	.01123	.01467	.49314
#2	3.2055	.00551	.21091	.01044	.02110	1.0909	.04384	3.0533	.01009	.03307	.01127	.01687	.53434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0994**	**.10866**	**.01020**	**.01614**	**.00949**	**.01670**	**.06089**	**.01033**	F **.02604**	**.01845**
Stddev	.0623	.00066	.00019	.00091	.00008	.00060	.00873	.00032	.00008	.00032
%RSD	5.6706	.60486	1.8206	5.6454	.85829	3.5701	14.345	3.1035	.29351	1.7407
#1	1.0553	.10819	.01007	.01549	.00955	.01628	.05471	.01056	.02599	.01868
#2	1.1435	.10912	.01033	.01678	.00943	.01712	.06707	.01010	.02610	.01822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8375.5**	**113380.**	**6473.9**
Stddev	8.1	321.	6.3
%RSD	.09666	.28334	.09661
#1	8369.7	113600.	6469.5
#2	8381.2	113150.	6478.3

Sample Name: 280-48901-e-8-a Acquired: 11/12/2013 0:08:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.03308**	**.00235**	**.65334**	**.12059**	**-.00002**	**-.00386**	**144.44**	**.00072**	**.00078**
Stddev	.00031	.00028	.00184	.00628	.00180	.00007	.00126	.48	.00011	.00000
%RSD	54.147	.84447	78.162	.96076	1.4959	274.78	32.483	.32982	14.965	.01790
#1	.00035	.03328	.00105	.64891	.12186	-.00007	-.00298	144.78	.00065	.00078
#2	.00079	.03288	.00365	.65778	.11931	.00002	-.00475	144.10	.00080	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00318**	**1.0465**	**5.2257**	**.02785**	**55.745**	**.59996**	**.00379**	**107.27**	**.00658**
Stddev	.00002	.00019	.0254	.0186	.00015	.192	.00165	.00006	.04	.00006
%RSD	7.3281	5.9091	2.4293	.35521	.54930	.34524	.27439	1.5738	.04011	.84907
#1	.00026	.00331	1.0645	5.2126	.02796	55.609	.59880	.00375	107.24	.00662
#2	.00024	.00305	1.0285	5.2388	.02775	55.882	.60112	.00383	107.30	.00655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69348**	**-.00075**	**41.255**	**-.00255**	**-.00167**	**11.719**	**25.078**	**.00013**	**1.5938**	**-.00251**
Stddev	.00708	.00100	.191	.00223	.00374	.163	.349	.00057	.0022	.00042
%RSD	1.0207	133.25	.46326	87.472	224.18	1.3937	1.3937	424.23	.13721	16.620
#1	.68847	-.00004	41.120	-.00413	.00098	11.834	25.325	-.00027	1.5953	-.00280
#2	.69848	-.00146	41.390	-.00097	-.00432	11.603	24.831	.00054	1.5922	-.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00023**	**-.00649**	**.00138**	**.00803**	**.00267**
Stddev	.00044	.00005	.00628	.00014	.00001	.00108
%RSD	93.009	20.149	96.739	10.426	.07676	40.270
#1	.00078	.00020	-.01093	.00128	.00802	.00191
#2	.00016	.00026	-.00205	.00148	.00803	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7954.3**	**107350.**	**6575.2**
Stddev	33.7	226.	13.3
%RSD	.42376	.21027	.20232
#1	7978.1	107510.	6584.6
#2	7930.4	107190.	6565.8

Sample Name: 280-48901-e-9-a Acquired: 11/12/2013 0:10:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00946	.00548	.31942	.03041	-.00005	-.00023	76.699	.00039	.00202
Stddev	.00010	.00010	.00059	.00071	.00041	.00003	.00067	.095	.00010	.00014
%RSD	39.776	1.0314	10.793	.22181	1.3482	72.811	288.42	.12380	24.298	6.9336
#1	.00018	.00939	.00590	.31892	.03070	-.00002	-.00071	76.632	.00046	.00192
#2	.00032	.00952	.00506	.31992	.03012	-.00007	.00024	76.766	.00033	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.00359	.14388	68.739	.28366	39.160	.06942	.00763	164.53	.00218
Stddev	.00024	.00057	.00031	.090	.00008	.005	.00017	.00005	.22	.00049
%RSD	36.399	16.027	.21880	.13160	.02709	.01361	.24002	.60863	.13388	22.368
#1	.00049	.00399	.14410	68.675	.28361	39.164	.06930	.00767	164.69	.00183
#2	.00083	.00318	.14366	68.803	.28372	39.156	.06954	.00760	164.38	.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02918	-.00103	108.60	-.00159	-.00020	5.9969	12.833	.00093	2.9285	-.00339
Stddev	.00037	.00086	.02	.00032	.00104	.0231	.050	.00009	.0044	.00073
%RSD	1.2848	83.458	.02047	20.231	519.88	.38583	.38583	9.5395	.15035	21.589
#1	.02891	-.00042	108.59	-.00136	.00054	5.9806	12.798	.00087	2.9316	-.00391
#2	.02944	-.00163	108.62	-.00181	-.00094	6.0133	12.868	.00100	2.9254	-.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	.00035	.00833	.00051	.00512	.00280
Stddev	.00008	.00081	.02426	.00042	.00017	.00091
%RSD	44.182	233.23	291.12	82.575	3.3207	32.516
#1	-.00022	.00092	.02549	.00021	.00500	.00344
#2	-.00012	-.00023	-.00882	.00080	.00524	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7964.2	106330.	6569.5
Stddev	.2	273.	47.3
%RSD	.00232	.25686	.71973
#1	7964.3	106140.	6602.9
#2	7964.1	106520.	6536.0

Sample Name: 280-48901-e-10-a Acquired: 11/12/2013 0:12:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00113**	**.00222**	**.00130**	**-.00013**	**-.00009**	**-.00107**	**.06793**	**.00004**	**.00009**
Stddev	.00015	.00014	.00034	.00008	.00015	.00005	.00399	.00400	.00008	.00009
%RSD	33.096	12.237	15.276	5.8136	116.41	53.380	371.74	5.8958	216.77	101.83
#1	.00055	-.00123	.00246	.00125	-.00002	-.00005	.00175	.07076	-.00002	.00015
#2	.00034	-.00104	.00198	.00135	-.00024	-.00012	-.00389	.06510	.00010	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00273**	**.00402**	**.05970**	**-.00129**	**.01225**	**.00027**	**-.00008**	**.10992**	**.00064**
Stddev	.00001	.00041	.00055	.02041	.00093	.00163	.00005	.00012	.01769	.00031
%RSD	5.8971	15.025	13.683	34.189	72.478	13.282	17.794	159.86	16.096	48.513
#1	.00019	.00244	.00363	.07414	-.00195	.01340	.00030	.00001	.12243	.00042
#2	.00020	.00302	.00441	.04527	-.00063	.01110	.00023	-.00017	.09741	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00397**	**-.00112**	**.04445**	**-.00225**	**-.00128**	**.01395**	**.02985**	**.00063**	**.00093**	**-.00200**
Stddev	.00079	.00059	.00287	.00107	.00018	.01117	.02390	.00008	.00030	.00053
%RSD	20.008	52.750	6.4500	47.703	13.918	80.079	80.079	12.786	32.211	26.329
#1	-.00453	-.00070	.04648	-.00301	-.00141	.00605	.01295	.00057	.00115	-.00237
#2	-.00341	-.00153	.04243	-.00149	-.00116	.02185	.04676	.00069	.00072	-.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.00036**	**.02108**	**.00022**	**.00378**	**.00011**
Stddev	.00028	.00026	.00355	.00037	.00008	.00005
%RSD	94.584	72.559	16.858	166.10	2.0011	44.844
#1	-.00010	-.00017	.01857	.00048	.00383	.00015
#2	-.00050	-.00054	.02360	-.00004	.00373	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8545.3**	**116590.**	**6679.3**
Stddev	33.2	342.	3.4
%RSD	.38864	.29301	.05036
#1	8521.8	116830.	6676.9
#2	8568.8	116350.	6681.6

Sample Name: 280-48903-e-1-a Acquired: 11/12/2013 0:14:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.21767	.00194	.05229	.14002	-.00008	-.00173	95.056	.00039	.00034
Stddev	.00056	.00120	.00159	.00064	.00060	.00002	.00032	.414	.00002	.00004
%RSD	87.526	.55215	81.810	1.2175	.42646	18.646	18.295	.43599	5.8570	12.897
#1	.00104	.21682	.00082	.05274	.14044	-.00009	-.00195	95.349	.00038	.00031
#2	.00024	.21852	.00306	.05184	.13960	-.00007	-.00151	94.763	.00041	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00216	.20966	4.8681	.00730	10.901	.08580	.00166	35.802	.00251
Stddev	.00001	.00067	.00452	.0208	.00105	.004	.00007	.00000	.457	.00014
%RSD	2.8212	31.032	2.1575	.42791	14.397	.03525	.08112	.02640	1.2778	5.5404
#1	.00046	.00263	.21286	4.8533	.00656	10.903	.08575	.00166	36.125	.00241
#2	.00044	.00168	.20646	4.8828	.00804	10.898	.08585	.00166	35.478	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18481	.00003	19.677	-.00169	-.00006	6.5011	13.912	-.00026	.43729	-.00135
Stddev	.00033	.00000	.015	.00011	.00487	.0823	.176	.00037	.00109	.00135
%RSD	.18126	15.055	.07691	6.6845	7896.1	1.2658	1.2658	141.57	.24998	99.851
#1	.18457	.00004	19.666	-.00161	-.00351	6.5593	14.037	-.00052	.43807	-.00231
#2	.18504	.00003	19.687	-.00177	.00339	6.4429	13.788	.00000	.43652	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00507	.00009	.03665	.00185	.00465	.00275
Stddev	.00046	.00014	.00709	.00042	.00018	.00115
%RSD	9.0094	158.79	19.357	22.534	3.8958	41.757
#1	.00474	.00019	.04166	.00155	.00452	.00194
#2	.00539	-.00001	.03163	.00214	.00478	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8202.3	110860.	6754.4
Stddev	11.3	113.	9.4
%RSD	.13717	.10197	.13978
#1	8194.4	110940.	6747.7
#2	8210.3	110780.	6761.0

Sample Name: 280-48903-e-2-a Acquired: 11/12/2013 0:17:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.21239	.00264	.05879	.12437	-.00007	-.00194	104.85	.00024	.00034
Stddev	.00036	.00007	.00092	.00007	.00053	.00001	.00026	.11	.00038	.00014
%RSD	65.959	.03369	34.858	.12343	.42235	18.174	13.656	.10315	157.11	40.652
#1	.00080	.21244	.00199	.05874	.12400	-.00006	-.00212	104.92	.00051	.00024
#2	.00029	.21234	.00329	.05884	.12474	-.00008	-.00175	104.77	-.00003	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00244	.34789	4.7760	.00977	14.616	.32670	.00229	32.520	.00282
Stddev	.00016	.00066	.00176	.0344	.00375	.005	.00061	.00002	.062	.00018
%RSD	33.897	27.229	.50615	.71936	38.331	.03162	.18591	1.0131	.19038	6.4082
#1	.00058	.00197	.34665	4.7517	.01242	14.613	.32627	.00230	32.564	.00269
#2	.00035	.00291	.34914	4.8003	.00712	14.620	.32713	.00227	32.476	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18740	-.00048	35.157	-.00174	.00640	6.2479	13.371	.00013	.51823	-.00011
Stddev	.00004	.00051	.028	.00021	.00014	.0200	.043	.00005	.00097	.00036
%RSD	.02348	106.00	.07947	11.768	2.1887	.31971	.31971	36.880	.18741	327.99
#1	.18743	-.00085	35.137	-.00160	.00630	6.2620	13.401	.00017	.51892	.00015
#2	.18737	-.00012	35.176	-.00189	.00650	6.2338	13.340	.00010	.51754	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00431	.00013	.02051	.00165	.00776	.00305
Stddev	.00048	.00007	.01011	.00013	.00030	.00234
%RSD	11.160	56.666	49.287	7.8356	3.8915	76.732
#1	.00465	.00008	.02766	.00174	.00755	.00140
#2	.00397	.00018	.01337	.00156	.00797	.00471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8173.9	111340.	6732.7
Stddev	31.8	905.	2.8
%RSD	.38885	.81315	.04184
#1	8151.4	111980.	6730.7
#2	8196.4	110700.	6734.7

Sample Name: 280-48903-e-4-a Acquired: 11/12/2013 0:19:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.27262**	**.00132**	**.05145**	**.14051**	**-.00004**	**-.00199**	**95.142**	**.00031**	**.00042**
Stddev	.00006	.00001	.00014	.00009	.00082	.00005	.00178	.081	.00000	.00034
%RSD	12.397	.00451	10.718	.18438	.58547	135.21	89.248	.08468	.73423	82.350
#1	.00049	.27261	.00122	.05139	.13993	.00000	-.00325	95.199	.00031	.00066
#2	.00041	.27263	.00141	.05152	.14109	-.00008	-.00073	95.085	.00030	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00190**	**.27503**	**4.9005**	**.00652**	**10.839**	**.08967**	**.00155**	**35.342**	**.00233**
Stddev	.00020	.00030	.00132	.0132	.00059	.000	.00007	.00010	.190	.00007
%RSD	39.739	15.984	.47844	.27017	9.0655	.00399	.07707	6.7842	.53739	3.0323
#1	.00037	.00168	.27596	4.9099	.00693	10.839	.08972	.00162	35.476	.00228
#2	.00066	.00211	.27410	4.8912	.00610	10.838	.08962	.00147	35.207	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18310**	**-.00022**	**19.616**	**-.00100**	**-.00116**	**6.6171**	**14.161**	**-.00016**	**.43687**	**-.00169**
Stddev	.00253	.00111	.038	.00131	.00004	.0713	.153	.00029	.00051	.00225
%RSD	1.3843	510.17	.19370	130.41	3.2774	1.0772	1.0772	179.50	.11631	133.13
#1	.18490	-.00100	19.589	-.00193	-.00119	6.6675	14.268	.00004	.43651	-.00010
#2	.18131	.00057	19.643	-.00008	-.00114	6.5667	14.053	-.00037	.43723	-.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00618**	**-.00018**	**.03654**	**.00236**	**.00465**	**.00294**
Stddev	.00018	.00116	.03930	.00036	.00058	.00051
%RSD	2.9403	653.88	107.54	15.334	12.414	17.232
#1	.00605	-.00099	.00875	.00262	.00424	.00258
#2	.00630	.00064	.06433	.00211	.00506	.00330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8281.2**	**111290.**	**6700.8**
Stddev	6.7	296.	11.3
%RSD	.08088	.26587	.16890
#1	8285.9	111500.	6692.8
#2	8276.4	111080.	6708.8

Sample Name: 280-48830-d-1-b Acquired: 11/12/2013 0:21:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.03434**	**.12141**	**4.5548**	**.70100**	**-.00002**	**-.00304**	**48.890**	**.00106**	**.01782**
Stddev	.00009	.00025	.00460	.0038	.00116	.00010	.00061	.002	.00018	.00009
%RSD	63.475	.72776	3.7884	.08345	.16609	424.43	20.206	.00321	16.847	.48521
#1	-.00020	.03416	.11816	4.5521	.70018	.00005	-.00260	48.889	.00118	.01776
#2	-.00008	.03452	.12466	4.5575	.70182	-.00010	-.00347	48.891	.00093	.01788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03573**	**.00330**	**7.6678**	W **396.07**	**.23606**	**98.515**	**.05260**	**.00242**	RW **1477.2**	**.10312**
Stddev	.00025	.00028	.0369	.73	.00174	.766	.00008	.00000	2.2	.00046
%RSD	.68956	8.3485	.48062	.18509	.73537	.77725	.14392	.05201	.14901	.44202
#1	.03590	.00349	7.6938	395.55	.23483	99.056	.05266	.00242	1475.7	.10344
#2	.03556	.00310	7.6417	396.59	.23729	97.973	.05255	.00242	1478.8	.10280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2728**	**-.00039**	**11.717**	**.00043**	**-.00052**	**9.7743**	**20.917**	**.00524**	**.81628**	**-.00536**
Stddev	.0088	.00022	.014	.00172	.00282	.0223	.048	.00008	.00201	.00056
%RSD	.26790	57.486	.11567	395.08	544.88	.22839	.22839	1.4488	.24564	10.504
#1	3.2666	-.00055	11.726	-.00078	-.00252	9.7901	20.951	.00519	.81486	-.00496
#2	3.2790	-.00023	11.707	.00165	.00148	9.7585	20.883	.00530	.81769	-.00575
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04316**	**-.00098**	**.01355**	**.06254**	**.03637**	**.08106**
Stddev	.00075	.00079	.02843	.00020	.00060	.00142
%RSD	1.7428	80.255	209.89	.31526	1.6620	1.7523
#1	.04263	-.00153	-.00656	.06268	.03680	.08206
#2	.04370	-.00042	.03365	.06240	.03594	.08005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7469.9**	**98146.**	**6658.0**
Stddev	28.8	964.	21.4
%RSD	.38572	.98239	.32178
#1	7490.3	97464.	6642.8
#2	7449.5	98827.	6673.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 0:24:49 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00768**	**51.821**	**.00251**	**.00558**	**-.00009**	**-.00011**	F **1.1081**	**.01995**	**-.00021**	**-.00035**	**.00009**	**.01247**
Stddev	.00015	.045	.00359	.00071	.00016	.00002	.0010	.00266	.00012	.00006	.00003	.00033
%RSD	1.9850	.08663	142.65	12.797	176.53	19.847	.08836	13.315	55.859	15.979	35.256	2.6765
#1	.00778	51.789	.00505	.00608	-.00021	-.00013	1.1074	.02183	-.00030	-.00031	.00007	.01271
#2	.00757	51.853	-.00002	.00507	.00002	-.00010	1.1087	.01807	-.00013	-.00039	.00011	.01223
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.422**	**.36988**	**-.00183**	**.08783**	**.00084**	**-.00010**	**269.70**	**-.00017**	**.01013**	**.00048**	W **5.2727**	**.00085**
Stddev	.034	.02048	.00083	.00048	.00003	.00009	.23	.00025	.00251	.00105	.0271	.00040
%RSD	.06780	5.5363	45.307	.54088	3.7183	91.033	.08501	149.74	24.797	218.09	.51475	47.149
#1	50.398	.38436	-.00242	.08817	.00082	-.00003	269.54	-.00035	.01191	.00122	5.2535	.00057
#2	50.446	.35540	-.00125	.08750	.00086	-.00016	269.86	.00001	.00836	-.00026	5.2919	.00113
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00352**	**.10038**	**.21480**	**.00035**	**.00034**	**5.0315**	**-.01362**	**.00107**	F **6.4185**	**.00178**	**.00136**	**.06506**
Stddev	.00090	.03806	.08146	.00002	.00022	.0114	.00003	.00031	.0104	.00026	.00041	.00230
%RSD	25.545	37.921	37.921	5.8836	64.193	.22573	.23947	28.543	.16250	14.761	29.935	3.5368
#1	-.00288	.12729	.27240	.00034	.00019	5.0235	-.01365	.00129	6.4259	.00159	.00107	.06343
#2	-.00416	.07346	.15721	.00037	.00050	5.0396	-.01360	.00085	6.4111	.00196	.00165	.06668
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.6**	**108500.**	**6589.9**
Stddev	1.3	174.	32.0
%RSD	.01613	.16004	.48566
#1	8118.5	108620.	6612.5
#2	8116.7	108370.	6567.3

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:27:12 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52635**	F **.56641**	**1.0429**	**.53105**	**.52179**	**.50825**	**-.00304**	**5.2630**	**.52746**	**.52316**	**.52849**	**.53101**	**2.5721**
Stddev	.00052	.00161	.0022	.00130	.00125	.00146	.00016	.0006	.00083	.00003	.00047	.00069	.0070
%RSD	.09847	.28382	.21458	.24494	.23872	.28743	5.3310	.01241	.15673	.00587	.08962	.13052	.27320
#1	.52598	.56754	1.0445	.53013	.52267	.50929	-.00315	5.2635	.52688	.52318	.52883	.53052	2.5771
#2	.52672	.56527	1.0414	.53197	.52091	.50722	-.00292	5.2626	.52805	.52313	.52816	.53150	2.5671
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.835**	**1.0361**	**20.872**	**.51347**	**.53368**	F **5.6334**	**.53224**	**1.0682**	**1.0736**	**.02374**	**1.0532**	**1.0619**	**5.2350**
Stddev	.050	.0003	.010	.00037	.00342	.0000	.00020	.0076	.0084	.00044	.0003	.0006	.0156
%RSD	.09260	.02448	.04573	.07287	.64164	.00004	.03824	.70809	.77915	1.8671	.02671	.06109	.29885
#1	53.871	1.0362	20.879	.51373	.53610	5.6334	.53238	1.0735	1.0795	.02405	1.0530	1.0615	5.2239
#2	53.800	1.0359	20.865	.51321	.53125	5.6334	.53209	1.0628	1.0676	.02342	1.0534	1.0624	5.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.203**	**1.0742**	**.51968**	**-.00668**	**.50880**	**1.0735**	**.01235**	**.51905**	**.52717**	**.51736**
Stddev	.033	.0016	.00033	.00020	.00014	.0008	.00418	.00092	.00458	.00172
%RSD	.29885	.15056	.06259	3.0557	.02843	.07720	33.844	.17637	.86786	.33283
#1	11.179	1.0730	.51991	-.00654	.50869	1.0741	.00939	.51970	.53041	.51857
#2	11.227	1.0753	.51945	-.00683	.50890	1.0730	.01530	.51841	.52394	.51614
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.3**	**111080.**	**6500.9**
Stddev	3.0	312.	75.2
%RSD	.03605	.28046	1.1574
#1	8258.4	110860.	6554.2
#2	8254.2	111300.	6447.7

Sample Name: CCB Acquired: 11/12/2013 0:29:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00295**	**.00006**	**.00193**	**.00022**	**.00009**	**.00078**	**.01426**	**.00000**	**.00017**	**-.00006**
Stddev	.00035	.00114	.00017	.00014	.00019	.00001	.00009	.00201	.0001	.00005	.00009
%RSD	55.750	38.500	303.20	7.4293	83.302	6.2348	11.451	14.088	1201.4	29.023	148.94
#1	.00088	-.00376	-.00006	.00183	.00036	.00009	.00084	.01568	-.00004	.00013	-.00013
#2	.00038	-.00215	.00018	.00204	.00009	.00008	.00071	.01284	.00003	.00020	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00242**	**.12066**	W **-.00262**	**.00640**	**.00012**	**.00041**	W **.13603**	**.00011**	**.00000**	**-.00094**
Stddev	.00023	.00073	.00900	.00226	.00156	.00004	.00002	.01248	.00033	.0003	.00012
%RSD	114.15	30.337	7.4610	86.322	24.444	31.085	5.9290	9.1759	306.05	12436.	12.716
#1	.00037	.00294	.12703	-.00422	.00750	.00014	.00040	.12720	.00035	.00024	-.00086
#2	.00004	.00190	.11429	-.00102	.00529	.00009	.00043	.14486	-.00013	-.00024	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02141**	W **.00569**	**-.00042**	W **.04921**	**.10530**	**.00059**	**.00017**	**.00167**	**-.00049**	**.00032**	**-.02364**
Stddev	.00079	.00362	.00198	.00729	.01561	.00058	.00007	.00048	.00007	.00082	.02331
%RSD	3.7032	63.546	468.50	14.820	14.820	99.266	42.070	28.572	13.434	257.76	98.622
#1	.02085	.00313	.00098	.05436	.11634	.00100	.00022	.00201	-.00054	-.00026	-.00715
#2	.02197	.00825	-.00183	.04405	.09427	.00017	.00012	.00133	-.00044	.00090	-.04012
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470							
Low Limit		-.00314		-.06940							

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00022**	**.00345**	W **.00345**
Stddev	.00000	.00004	.00022
%RSD	1.5662	1.2548	6.4532
#1	.00022	.00348	.00361
#2	.00022	.00342	.00330
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8222.5**	**111020.**	**6483.7**
Stddev	2.2	166.	87.0
%RSD	.02629	.14997	1.3421
#1	8224.0	110900.	6545.2
#2	8221.0	111140.	6422.1

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:31:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01116**	**.11064**	**.01443**	**.10309**	**.01043**	**.00102**	**.12477**	**.21912**	**.00529**	**.01078**	**.01062**	**.01652**	**.10466**
Stddev	.00015	.00025	.00125	.00026	.00020	.00012	.00084	.00210	.00003	.00007	.00003	.00045	.00029
%RSD	1.3223	.22627	8.6821	.25047	1.8978	11.403	.67628	.95719	.52272	.63918	.24978	2.7208	.28142
#1	.01126	.11081	.01531	.10291	.01057	.00094	.12537	.21763	.00531	.01083	.01060	.01684	.10487
#2	.01105	.11046	.01354	.10328	.01029	.00111	.12417	.22060	.00527	.01073	.01064	.01620	.10445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2820**	**.00822**	**.21241**	**.01037**	**.02065**	**1.1272**	**.04372**	**3.0318**	**.00947**	**.02100**	**.00991**	**.01540**	**.52685**
Stddev	.0066	.00115	.00308	.00002	.00002	.0045	.00015	.0004	.00057	.00083	.00094	.00182	.00705
%RSD	.20139	13.979	1.4490	.23454	.08932	.39665	.33592	.01265	6.0443	3.9701	9.4459	11.815	1.3384
#1	3.2867	.00741	.21459	.01035	.02063	1.1241	.04361	3.0315	.00987	.02041	.01057	.01411	.52186
#2	3.2774	.00903	.21023	.01038	.02066	1.1304	.04382	3.0320	.00906	.02159	.00924	.01669	.53184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1275**	**.10796**	**.01033**	**.01428**	**.00984**	**.01627**	F **.08625**	**.01033**	**.02463**	**.01676**
Stddev	.0151	.00016	.00003	.00048	.00001	.00057	.00443	.00043	.00003	.00175
%RSD	1.3384	.14602	.33429	3.3312	.14403	3.5243	5.1323	4.1968	.13401	10.426
#1	1.1168	.10785	.01031	.01394	.00983	.01586	.08938	.01064	.02465	.01799
#2	1.1381	.10807	.01035	.01461	.00985	.01667	.08312	.01003	.02460	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8412.7**	**113720.**	**6547.1**
Stddev	.3	356.	24.4
%RSD	.00398	.31268	.37208
#1	8413.0	113460.	6564.3
#2	8412.5	113970.	6529.9

Sample Name: mb 280-199865/1-a Acquired: 11/12/2013 0:33:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00073**	**.00076**	**.00105**	**-.00037**	**.00000**	**-.00096**	**.01689**	**.00006**	**.00030**
Stddev	.00008	.00005	.00069	.00020	.00003	.0000	.00042	.00290	.00011	.00001
%RSD	12.564	6.7822	91.487	19.306	7.1826	1112.7	44.066	17.174	172.28	3.1568
#1	.00057	-.00076	.00125	.00091	-.00036	-.00004	-.00126	.01894	-.00001	.00030
#2	.00068	-.00069	.00027	.00119	-.00039	.00003	-.00066	.01484	.00014	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	W **.00190**	**.00381**	**.01928**	**-.00080**	**.00215**	W **.00023**	**.00005**	**.03687**	**.00050**
Stddev	.0001	.00047	.00243	.00536	.00088	.00142	.00005	.00045	.00839	.00002
%RSD	1851.1	24.836	63.724	27.800	109.93	66.196	21.629	926.25	22.766	3.8362
#1	.00005	.00223	.00209	.01549	-.00018	.00316	.00020	.00036	.04281	.00048
#2	-.00005	.00156	.00553	.02307	-.00142	.00114	.00027	-.00027	.03094	.00051
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00159					.00023			
Low Limit		-.00500					-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00251**	**-.00002**	F **.02310**	**-.00263**	**.00063**	F **.02454**	**.05251**	**.00077**	**-.00001**	W **.00002**
Stddev	.00055	.00084	.00163	.00060	.00488	.01345	.02877	.00001	.00002	.00135
%RSD	21.774	3557.7	7.0537	22.964	778.43	54.793	54.793	.96281	187.99	6866.5
#1	-.00290	-.00062	.02425	-.00306	-.00283	.01503	.03217	.00078	-.00002	-.00093
#2	-.00213	.00057	.02195	-.00220	.00408	.03405	.07286	.00077	.00000	.00097
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**-.00089**	**.00531**	**.00020**	**.00316**	**.00272**
Stddev	.00027	.00024	.00060	.00042	.00051	.00083
%RSD	29.800	26.618	11.269	210.80	16.002	30.712
#1	-.00072	-.00105	.00574	.00050	.00280	.00213
#2	-.00111	-.00072	.00489	-.00010	.00352	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8438.8**	**113760.**	**6554.5**
Stddev	66.2	363.	24.0
%RSD	.78499	.31912	.36588
#1	8392.0	113500.	6537.5
#2	8485.7	114010.	6571.4

Sample Name: lcs 280-199865/2-a Acquired: 11/12/2013 0:36:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05225**	**2.0572**	**1.0196**	**1.0389**	**2.0463**	**.04949**	**2.3397**	**49.262**	**.10887**	**.50354**
Stddev	.00059	.0054	.0060	.0027	.0216	.00012	.0037	.432	.00061	.00000
%RSD	1.1285	.26162	.58463	.26336	1.0549	.24481	.15589	.87655	.56137	.00070
#1	.05267	2.0610	1.0238	1.0408	2.0311	.04940	2.3423	48.956	.10930	.50354
#2	.05183	2.0534	1.0154	1.0370	2.0616	.04957	2.3372	49.567	.10844	.50353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20939**	**.26639**	**.98095**	**52.584**	**1.0170**	**51.058**	**.50240**	**1.0595**	**54.816**	**.51039**
Stddev	.00031	.00042	.00617	.651	.0123	.209	.00226	.0046	.337	.00171
%RSD	.14856	.15901	.62876	1.2384	1.2099	.40889	.44978	.43810	.61487	.33540
#1	.20961	.26609	.97659	52.123	1.0083	50.911	.50080	1.0628	54.577	.51160
#2	.20917	.26669	.98531	53.044	1.0257	51.206	.50399	1.0563	55.054	.50918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.515**	**.50512**	**.01040**	**.50550**	**2.0458**	**9.9810**	**21.359**	**2.0958**	**1.0170**	**1.0213**
Stddev	.039	.00086	.00242	.00142	.0047	.0388	.083	.0054	.0108	.0069
%RSD	.36702	.16939	23.270	.28042	.22959	.38900	.38900	.25678	1.0614	.67478
#1	10.543	.50572	.00869	.50651	2.0492	9.9536	21.301	2.0997	1.0094	1.0164
#2	10.488	.50451	.01212	.50450	2.0425	10.008	21.418	2.0920	1.0247	1.0261
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0180**	**2.0021**	**2.2151**	**.51717**	**.50810**	**.52293**
Stddev	.0056	.0015	.0209	.00040	.00199	.00148
%RSD	.55196	.07639	.94552	.07719	.39125	.28322
#1	1.0140	2.0032	2.2003	.51689	.50669	.52188
#2	1.0219	2.0010	2.2300	.51745	.50951	.52398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.4**	**108650.**	**6599.7**
Stddev	17.9	476.	43.4
%RSD	.22149	.43771	.65718
#1	8073.7	108990.	6630.3
#2	8099.1	108320.	6569.0

Sample Name: 280-48905-a-2-a Acquired: 11/12/2013 0:38:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.53975**	**.00200**	**.22545**	**.09269**	**.00007**	**.00337**	**70.981**	**.00044**	**.00092**
Stddev	.00025	.00561	.00151	.00392	.00032	.00005	.00066	.158	.00014	.00001
%RSD	38.581	1.0399	75.454	1.7372	.34550	68.759	19.494	.22229	32.394	.83201
#1	.00084	.54372	.00306	.22822	.09291	.00011	.00291	71.092	.00054	.00091
#2	.00048	.53578	.00093	.22268	.09246	.00004	.00383	70.869	.00034	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**.15755**	**6.6118**	**16.507**	**.03000**	**16.210**	**.08414**	**.00705**	**119.93**	**.00390**
Stddev	.00018	.00042	.0171	.063	.00114	.007	.00009	.00007	.24	.00040
%RSD	9.4982	.26955	.25898	.38016	3.8033	.04055	.11055	1.0241	.19798	10.318
#1	.00206	.15725	6.6239	16.551	.02920	16.206	.08420	.00710	120.10	.00418
#2	.00180	.15785	6.5997	16.462	.03081	16.215	.08407	.00700	119.76	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.8213**	**.00082**	**48.179**	**-.00345**	**.00050**	**2.3899**	**5.1144**	**.00306**	**.71645**	**-.00071**
Stddev	.0857	.00009	.800	.00123	.00408	.0130	.0279	.00010	.00139	.00295
%RSD	1.4719	10.967	1.6613	35.598	818.44	.54522	.54522	3.3494	.19441	415.61
#1	5.8819	.00076	48.745	-.00432	-.00239	2.3807	5.0947	.00313	.71744	-.00279
#2	5.7607	.00088	47.613	-.00258	.00338	2.3991	5.1341	.00299	.71547	.00137
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02752**	**-.00007**	**.02682**	**.00387**	**.11215**	**.00729**
Stddev	.00143	.00069	.02497	.00015	.00000	.00214
%RSD	5.1905	982.82	93.092	3.7596	.00273	29.366
#1	.02651	.00042	.04448	.00398	.11216	.00880
#2	.02853	-.00056	.00917	.00377	.11215	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.0**	**110330.**	**6799.0**
Stddev	81.1	297.	14.1
%RSD	.99915	.26941	.20706
#1	8057.7	110120.	6808.9
#2	8172.4	110540.	6789.0

Sample Name: 280-48905-a-2-aSD@5 Acquired: 11/12/2013 0:40:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.11680**	**.00397**	**.04463**	**.01820**	**-.00002**	**.00121**	**14.197**	**.00021**	**.00036**
Stddev	.00067	.00054	.00015	.00028	.00005	.00007	.00119	.118	.00005	.00004
%RSD	193.27	.46123	3.7779	.62429	.29518	319.43	98.407	.82904	23.186	11.949
#1	-.00013	.11642	.00386	.04443	.01816	-.00007	.00206	14.280	.00017	.00033
#2	.00082	.11718	.00408	.04482	.01824	.00003	.00037	14.113	.00024	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.03189**	**1.3270**	**3.3032**	**.00358**	**3.2823**	**.01703**	**.00129**	**23.914**	**.00147**
Stddev	.00013	.00046	.0154	.0572	.00014	.0001	.00011	.00018	.260	.00068
%RSD	33.997	1.4485	1.1581	1.7309	3.9959	.00387	.62539	13.711	1.0892	46.254
#1	.00030	.03222	1.3378	3.3436	.00348	3.2824	.01711	.00116	24.098	.00195
#2	.00049	.03157	1.3161	3.2628	.00368	3.2823	.01696	.00141	23.730	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1051**	**.00008**	**9.1854**	**-.00323**	**.00044**	**.47674**	**1.0202**	**.00272**	**.14272**	**-.00221**
Stddev	.0027	.00109	.0295	.00116	.00225	.01661	.0355	.00002	.00088	.00062
%RSD	.24299	1441.8	.32154	35.914	505.58	3.4834	3.4834	.72010	.61897	28.220
#1	1.1032	-.00069	9.1645	-.00241	.00203	.48848	1.0453	.00273	.14334	-.00265
#2	1.1070	.00085	9.2062	-.00405	-.00114	.46499	.99509	.00271	.14209	-.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.00034**	**.04639**	**.00092**	**.02702**	**.00349**
Stddev	.00086	.00117	.01913	.00027	.00006	.00044
%RSD	20.358	342.49	41.230	29.631	.20799	12.537
#1	.00363	-.00049	.03286	.00111	.02698	.00380
#2	.00485	.00117	.05991	.00072	.02706	.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8432.3**	**114020.**	**6733.4**
Stddev	5.4	420.	30.6
%RSD	.06353	.36818	.45384
#1	8436.1	113730.	6711.8
#2	8428.5	114320.	6755.0

Sample Name: 280-48905-a-2-b ms Acquired: 11/12/2013 0:42:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04677**	**2.4382**	W **2.6850**	**.93057**	**1.1332**	**1.9211**	**.04395**	F **2.0924**	**113.63**	**.09795**
Stddev	.00039	.0136	.0134	.00549	.0102	.0026	.00005	.0203	.08	.00086
%RSD	.82927	.55884	.49859	.58996	.89739	.13693	.11481	.97224	.06755	.87939
#1	.04649	2.4285	2.6944	.92669	1.1260	1.9192	.04399	2.0780	113.69	.09734
#2	.04704	2.4478	2.6755	.93446	1.1404	1.9229	.04391	2.1068	113.58	.09856
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44200**	**.18547**	**.38964**	**7.2988**	**63.687**	**.93964**	**60.605**	**.52235**	**.93950**	**166.53**
Stddev	.00280	.00127	.00055	.0077	.017	.00082	.128	.00029	.00554	.50
%RSD	.63339	.68474	.14076	.10603	.02675	.08760	.21178	.05523	.58929	.29740
#1	.44002	.18457	.38925	7.3043	63.675	.94022	60.696	.52215	.93558	166.18
#2	.44398	.18637	.39003	7.2934	63.699	.93906	60.515	.52256	.94341	166.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45299**	W **14.786**	**.43906**	**47.315**	**.44819**	**1.8455**	**11.562**	**24.742**	**1.7321**	**1.6180**
Stddev	.00398	.114	.00244	.362	.00574	.0091	.131	.280	.0114	.0014
%RSD	.87831	.76878	.55502	.76600	1.2806	.49048	1.1300	1.1300	.66066	.08840
#1	.45017	14.705	.43733	47.059	.44413	1.8391	11.654	24.940	1.7240	1.6190
#2	.45580	14.866	.44078	47.572	.45225	1.8519	11.469	24.544	1.7402	1.6170
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58192**	**.88824**	**1.6833**	**1.9735**	**.46106**	**.55479**	**.25285**
Stddev	.00041	.00214	.0116	.0240	.00175	.00191	.00272
%RSD	.07030	.24117	.68835	1.2172	.37985	.34471	1.0754
#1	.58163	.88975	1.6751	1.9565	.46229	.55615	.25477
#2	.58221	.88672	1.6915	1.9905	.45982	.55344	.25093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8060.4**	**107970.**	**6753.5**
Stddev	27.8	449.	10.3
%RSD	.34435	.41560	.15276
#1	8080.0	107660.	6746.2
#2	8040.8	108290.	6760.8

Sample Name: 280-48905-a-2-c msd Acquired: 11/12/2013 0:45:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04652**	**2.3318**	W **2.5671**	**.90190**	**1.1032**	**1.8445**	**.04239**	F **2.0229**	**110.55**	**.09468**
Stddev	.00004	.0039	.0135	.00139	.0095	.0071	.00011	.0183	.54	.00028
%RSD	.08982	.16837	.52518	.15465	.86393	.38727	.25987	.90251	.48508	.29936
#1	.04649	2.3346	2.5766	.90091	1.0964	1.8394	.04232	2.0100	110.17	.09448
#2	.04655	2.3290	2.5576	.90288	1.1099	1.8495	.04247	2.0358	110.93	.09488
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42565**	**.17909**	**.37942**	**7.1165**	**61.564**	**.90534**	**58.506**	**.50364**	**.90328**	**162.62**
Stddev	.00075	.00119	.00027	.0303	.185	.00856	.178	.00123	.00108	.62
%RSD	.17577	.66707	.07131	.42528	.29968	.94551	.30484	.24500	.11904	.38092
#1	.42512	.17825	.37961	7.0951	61.434	.89929	58.632	.50451	.90404	162.18
#2	.42618	.17994	.37923	7.1379	61.695	.91139	58.380	.50276	.90252	163.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43661**	W **14.296**	**.42357**	**46.571**	**.43426**	**1.7897**	**11.139**	**23.838**	**1.6663**	**1.5698**
Stddev	.00182	.010	.00317	.090	.00314	.0163	.081	.174	.0094	.0054
%RSD	.41697	.06896	.74767	.19421	.72348	.91123	.73028	.73028	.56471	.34135
#1	.43533	14.303	.42133	46.507	.43204	1.7782	11.081	23.714	1.6597	1.5660
#2	.43790	14.289	.42581	46.635	.43649	1.8012	11.197	23.961	1.6730	1.5736
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54607**	**.85542**	**1.6326**	**1.8827**	**.44305**	**.53421**	**.23328**
Stddev	.00026	.00128	.0077	.0488	.00018	.00205	.00007
%RSD	.04844	.14993	.47468	2.5909	.04060	.38445	.03049
#1	.54625	.85633	1.6271	1.9172	.44292	.53567	.23323
#2	.54588	.85452	1.6380	1.8482	.44317	.53276	.23333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8078.7**	**108430.**	**6788.6**
Stddev	11.8	211.	29.7
%RSD	.14610	.19418	.43809
#1	8070.3	108280.	6809.6
#2	8087.0	108580.	6767.6

Sample Name: 280-48905-a-4-a Acquired: 11/12/2013 0:47:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.02315**	**.00177**	**.20249**	**.03951**	**-.00011**	**-.00230**	**67.551**	**.00037**	**.00056**
Stddev	.00002	.00011	.00289	.00081	.00009	.00001	.00096	.031	.00005	.00003
%RSD	2.9222	.47634	163.88	.40134	.23203	8.4444	41.818	.04589	13.303	5.9865
#1	.00068	.02322	.00381	.20307	.03958	-.00011	-.00162	67.529	.00033	.00054
#2	.00065	.02307	-.00028	.20192	.03945	-.00010	-.00298	67.573	.00040	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.01468**	**.28592**	**15.007**	**.02514**	**15.320**	**.01830**	**.00544**	**113.60**	**.00206**
Stddev	.00000	.00001	.00014	.065	.00095	.052	.00010	.00004	.09	.00004
%RSD	1.4147	.05384	.04882	.43259	3.7931	.33983	.56427	.81947	.08139	2.0959
#1	.00028	.01468	.28582	14.961	.02446	15.357	.01837	.00541	113.54	.00209
#2	.00029	.01469	.28602	15.053	.02581	15.283	.01823	.00547	113.67	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35021**	**-.00062**	**46.275**	**-.00296**	**.00217**	**1.9065**	**4.0800**	**.00044**	**.66649**	**-.00232**
Stddev	.00317	.00014	.086	.00090	.00054	.0195	.0417	.00006	.00222	.00089
%RSD	.90476	22.095	.18638	30.454	24.661	1.0219	1.0219	14.424	.33370	38.518
#1	.34797	-.00072	46.336	-.00360	.00179	1.8928	4.0505	.00048	.66492	-.00169
#2	.35245	-.00053	46.214	-.00232	.00255	1.9203	4.1095	.00040	.66806	-.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00042**	**.01116**	**.00067**	**.04652**	**.00375**
Stddev	.00009	.00075	.00164	.00033	.00008	.00123
%RSD	12.810	177.55	14.689	49.660	.17610	32.729
#1	.00066	-.00011	.01232	.00043	.04646	.00461
#2	.00079	.00095	.01000	.00090	.04658	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8221.0**	**111440.**	**6802.8**
Stddev	2.7	36.	23.6
%RSD	.03324	.03248	.34734
#1	8222.9	111410.	6819.5
#2	8219.0	111460.	6786.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 0:49:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00769**	**51.211**	**-.00022**	**.00264**	**-.00025**	**-.00011**	W **1.0989**	**.04228**	**-.00034**	**-.00028**	**.00011**	**.01292**
Stddev	.00035	.205	.00127	.00019	.00039	.00009	.0008	.00694	.00015	.00006	.00000	.00016
%RSD	4.5497	.40050	564.28	7.0346	153.21	80.316	.07122	16.407	44.354	21.455	2.4063	1.2004
#1	.00794	51.356	-.00112	.00277	.00002	-.00005	1.0984	.04718	-.00045	-.00032	.00011	.01281
#2	.00744	51.066	.00067	.00251	-.00053	-.00017	1.0995	.03737	-.00024	-.00024	.00011	.01303
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.150**	**.09218**	**-.00226**	**.08654**	**.00080**	**-.00023**	**267.43**	**.00002**	**-.00044**	**-.00042**	**5.2263**	**.00078**
Stddev	.192	.00204	.00118	.00074	.00003	.00018	.83	.00008	.00042	.00145	.0006	.00035
%RSD	.38336	2.2131	52.015	.85131	3.8680	78.613	.30967	405.65	95.427	344.67	.01242	44.865
#1	50.014	.09362	-.00309	.08706	.00082	-.00036	268.01	.00008	-.00014	.00060	5.2268	.00103
#2	50.286	.09073	-.00143	.08602	.00078	-.00010	266.84	-.00004	-.00073	-.00144	5.2259	.00053
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**.02487**	**.05321**	**.00013**	**.00041**	**4.9762**	**-.01291**	**.00047**	F **6.3588**	**.00174**	**.00136**	**.06482**
Stddev	.00011	.02211	.04731	.00024	.00029	.0188	.00045	.00141	.0363	.00019	.00008	.00029
%RSD	4.0518	88.908	88.908	179.49	69.838	.37823	3.4819	297.63	.57094	10.749	6.1078	.45233
#1	-.00262	.04050	.08667	.00030	.00061	4.9895	-.01323	.00147	6.3844	.00161	.00142	.06502
#2	-.00278	.00923	.01976	-.00004	.00021	4.9629	-.01259	-.00052	6.3331	.00187	.00130	.06461
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8271.4**	**110700.**	**6716.8**
Stddev	7.0	248.	25.7
%RSD	.08487	.22438	.38311
#1	8276.4	110520.	6698.6
#2	8266.5	110870.	6735.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:51:55 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51413**	W **.55075**	**1.0199**	**.51599**	**.51008**	**.49648**	**-.00311**	**5.1066**	**.51390**	**.50979**	**.51691**	**.51545**
Stddev	.00100	.00110	.0067	.00056	.00371	.00449	.00094	.0026	.00239	.00075	.00011	.00196
%RSD	.19420	.20062	.65802	.10824	.72663	.90508	30.332	.05120	.46471	.14804	.02082	.38053
#1	.51342	.54997	1.0247	.51638	.51270	.49966	-.00244	5.1085	.51559	.51032	.51698	.51406
#2	.51483	.55153	1.0152	.51559	.50746	.49330	-.00378	5.1048	.51221	.50926	.51683	.51684
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4818**	**52.536**	**1.0166**	**20.459**	**.50076**	**.52199**	**5.3354**	**.52259**	**1.0327**	**1.0476**	**.02111**	**1.0210**
Stddev	.0019	.291	.0097	.004	.00063	.00262	.0701	.00338	.0087	.0067	.00205	.0112
%RSD	.07609	.55317	.95370	.02051	.12489	.50115	1.3144	.64652	.84084	.63973	9.7292	1.0940
#1	2.4832	52.741	1.0235	20.462	.50032	.52384	5.3850	.52498	1.0388	1.0523	.01965	1.0289
#2	2.4805	52.330	1.0097	20.456	.50121	.52014	5.2858	.52020	1.0265	1.0429	.02256	1.0131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0309**	**4.9454**	**10.583**	**1.0485**	**.50945**	**-.00486**	**.49495**	**1.0456**	**.00111**	**.50548**	**.51530**	**.49971**
Stddev	.0038	.0204	.044	.0026	.00357	.00210	.00066	.0034	.04190	.00122	.00145	.00145
%RSD	.37265	.41205	.41205	.25115	.70104	43.346	.13247	.32195	3766.6	.24050	.28080	.28919
#1	1.0336	4.9310	10.552	1.0466	.51198	-.00634	.49449	1.0480	.03074	.50462	.51428	.50073
#2	1.0281	4.9598	10.614	1.0504	.50693	-.00337	.49541	1.0432	-.02852	.50634	.51632	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.3**	**111680.**	**6548.2**
Stddev	85.5	244.	37.6
%RSD	1.0319	.21832	.57458
#1	8342.7	111510.	6574.8
#2	8221.9	111850.	6521.6

Sample Name: CCB Acquired: 11/12/2013 0:54:03 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00397**	**.00275**	**.00107**	**-.00011**	**-.00001**	**-.00030**	**.00910**	**-.00004**	**.00035**	**-.00004**
Stddev	.00059	.00037	.00041	.00006	.00009	.00001	.00015	.00250	.00005	.00006	.00014
%RSD	179.01	9.1882	14.713	5.3304	85.085	53.512	50.779	27.534	112.83	18.137	355.49
#1	.00075	-.00372	.00247	.00103	-.00017	-.00001	-.00041	.01087	-.00001	.00040	-.00014
#2	-.00009	-.00423	.00304	.00111	-.00004	-.00001	-.00019	.00732	-.00007	.00031	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00174**	**.09828**	W **-.00306**	**.00168**	**.00004**	**.00014**	**.00798**	**.00025**	**-.00407**	**-.00051**
Stddev	.00019	.00301	.04400	.00104	.00090	.00001	.00005	.00479	.00015	.00110	.00086
%RSD	94.157	172.95	44.773	33.823	53.364	21.078	37.713	60.024	60.149	27.050	168.20
#1	.00007	-.00039	.06716	-.00233	.00232	.00005	.00018	.01136	.00036	-.00485	-.00112
#2	.00033	.00387	.12939	-.00379	.00105	.00003	.00010	.00459	.00015	-.00329	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01830**	F **.00912**	**-.00324**	**.02653**	**.05678**	**.00001**	**.00017**	**.00053**	**-.00042**	**.00048**	**.03013**
Stddev	.00169	.00068	.00091	.01191	.02548	.00014	.00001	.00106	.00003	.00022	.01208
%RSD	9.2199	7.4076	27.990	44.879	44.879	1389.1	5.9339	199.21	6.1483	44.981	40.107
#1	.01949	.00864	-.00388	.01811	.03876	-.00009	.00017	-.00022	-.00040	.00064	.02158
#2	.01710	.00960	-.00260	.03495	.07480	.00011	.00018	.00128	-.00043	.00033	.03867
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00004**	**.00250**	**.00098**
Stddev	.00033	.00003	.00013
%RSD	912.78	1.1490	13.070
#1	.00019	.00248	.00107
#2	-.00027	.00252	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8367.7**	**112950.**	**6384.0**
Stddev	24.2	316.	10.7
%RSD	.28951	.27947	.16708
#1	8384.8	113180.	6376.4
#2	8350.5	112730.	6391.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:56:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.11238**	**.01818**	**.10284**	**.01022**	**.00099**	**.12673**	**.22007**	**.00522**	**.01089**	**.01063**	**.01621**	**.10600**
Stddev	.00078	.00021	.00037	.00005	.00012	.00010	.00101	.00040	.00019	.00009	.00001	.00026	.00055
%RSD	7.2404	.18922	2.0118	.04877	1.2124	10.530	.79743	.18272	3.5562	.78240	.13271	1.5928	.52177
#1	.01135	.11223	.01844	.10281	.01031	.00106	.12744	.21978	.00509	.01095	.01064	.01603	.10560
#2	.01025	.11253	.01792	.10288	.01013	.00092	.12601	.22035	.00535	.01083	.01062	.01640	.10639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2207**	**.00764**	**.21137**	**.01040**	**.02098**	**1.0696**	**.04337**	**3.0467**	**.00878**	**.02216**	F **.01303**	**.01422**	**.49025**
Stddev	.0343	.00303	.00104	.00003	.00014	.0015	.00010	.0018	.00001	.00407	.00380	.00288	.00996
%RSD	1.0649	39.648	.49112	.26334	.69039	.13649	.22301	.05958	.05827	18.366	29.165	20.226	2.0326
#1	3.2449	.00979	.21210	.01042	.02108	1.0706	.04344	3.0454	.00878	.02504	.01034	.01626	.49730
#2	3.1964	.00550	.21063	.01038	.02088	1.0686	.04330	3.0480	.00877	.01928	.01572	.01219	.48321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0491**	**.10838**	**.01026**	**.01329**	**.00944**	**.01724**	F **.08607**	**.01062**	**.02570**	**.01608**
Stddev	.0213	.00017	.00003	.00085	.00002	.00030	.03495	.00006	.00050	.00132
%RSD	2.0326	.16061	.24418	6.4037	.18898	1.7491	40.611	.61002	1.9360	8.2079
#1	1.0642	.10850	.01025	.01389	.00946	.01703	.06136	.01057	.02605	.01701
#2	1.0341	.10825	.01028	.01269	.00943	.01746	.11079	.01066	.02535	.01514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.6**	**112490.**	**6419.2**
Stddev	21.4	523.	57.3
%RSD	.25855	.46452	.89250
#1	8276.4	112120.	6459.7
#2	8306.8	112860.	6378.6

Sample Name: 280-48917-c-1-a Acquired: 11/12/2013 0:58:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**13.373**	**.00129**	**.81407**	**.02853**	**.00003**	**-.00092**	**103.06**	**.00019**	**.00049**
Stddev	.00021	.016	.00076	.00286	.00001	.00009	.00309	.15	.00002	.00016
%RSD	94.320	.11878	58.900	.35166	.02414	275.43	336.81	.14456	9.5578	32.076
#1	.00007	13.361	.00183	.81204	.02854	-.00003	.00127	102.96	.00018	.00038
#2	.00036	13.384	.00076	.81609	.02853	.00009	-.00310	103.17	.00021	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01592**	**.01477**	**.24312**	**2.4984**	**.01557**	**5.8357**	**.07853**	**.01128**	**23.553**	**.01210**
Stddev	.00018	.00038	.00247	.0122	.00300	.0144	.00036	.00007	.185	.00023
%RSD	1.1537	2.5517	1.0143	.48989	19.248	.24672	.46214	.65978	.78415	1.9269
#1	.01579	.01451	.24487	2.4897	.01769	5.8256	.07827	.01134	23.683	.01226
#2	.01605	.01504	.24138	2.5070	.01345	5.8459	.07879	.01123	23.422	.01193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06257**	**.00082**	**77.702**	**-.00239**	**.00122**	**.86061**	**1.8417**	**.00049**	**.23584**	**-.00134**
Stddev	.00107	.00065	.151	.00081	.00011	.01670	.0357	.00042	.00024	.00119
%RSD	1.7095	79.001	.19381	33.972	9.1101	1.9410	1.9410	85.830	.09983	88.999
#1	.06181	.00036	77.596	-.00296	.00115	.87242	1.8670	.00019	.23567	-.00050
#2	.06333	.00128	77.809	-.00181	.00130	.84880	1.8164	.00079	.23601	-.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00052**	**.03582**	**.00115**	**.01871**	**.00376**
Stddev	.00029	.00061	.03735	.00040	.00023	.00091
%RSD	135.43	117.09	104.26	34.661	1.2557	24.143
#1	.00001	.00095	.00941	.00143	.01887	.00312
#2	.00042	.00009	.06224	.00087	.01854	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8137.3**	**109550.**	**6710.2**
Stddev	3.7	180.	40.7
%RSD	.04491	.16390	.60587
#1	8139.9	109680.	6738.9
#2	8134.7	109430.	6681.4

Sample Name: 280-48922-f-1-a Acquired: 11/12/2013 1:00:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.16918**	**.00296**	**.01219**	**.06415**	**-.00004**	**-.00388**	**36.197**	**.00011**	**.00028**
Stddev	.00011	.00148	.00109	.00046	.00040	.00010	.00184	.006	.00011	.00028
%RSD	44.409	.87601	36.729	3.8031	.62920	244.99	47.531	.01703	100.65	99.344
#1	.00017	.17023	.00219	.01251	.06386	-.00012	-.00258	36.193	.00019	.00047
#2	.00032	.16813	.00372	.01186	.06443	.00003	-.00518	36.201	.00003	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00122**	**.19040**	**1.4318**	**.00509**	**8.3213**	**.01588**	**.00066**	**17.379**	**.00076**
Stddev	.00015	.00027	.00081	.0208	.00075	.0062	.00001	.00012	.057	.00007
%RSD	56.924	21.914	.42655	1.4490	14.776	.07493	.05757	18.216	.33051	8.9884
#1	.00036	.00141	.19097	1.4465	.00562	8.3257	.01589	.00057	17.420	.00080
#2	.00015	.00103	.18983	1.4171	.00456	8.3169	.01587	.00074	17.338	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	**-.00013**	**16.986**	**-.00348**	**-.00046**	**5.2036**	**11.136**	**.00001**	**.33864**	**-.00066**
Stddev	.00065	.00057	.023	.00037	.00128	.0554	.119	.00064	.00005	.00038
%RSD	25.040	424.31	.13525	10.625	279.29	1.0651	1.0651	5471.1	.01461	58.531
#1	.00212	.00027	17.002	-.00322	-.00136	5.1645	11.052	-.00044	.33860	-.00093
#2	.00303	-.00054	16.970	-.00374	.00045	5.2428	11.220	.00047	.33867	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**-.00045**	**.00396**	**.00097**	**.00347**	**.00318**
Stddev	.00008	.00032	.03760	.00046	.00006	.00183
%RSD	2.5864	72.346	950.00	47.546	1.7675	57.635
#1	.00294	-.00022	.03055	.00129	.00343	.00188
#2	.00305	-.00068	-.02263	.00064	.00352	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.3**	**112280.**	**6721.3**
Stddev	14.5	42.	25.5
%RSD	.17386	.03770	.37931
#1	8325.1	112310.	6739.3
#2	8345.6	112250.	6703.3

Sample Name: 280-48922-f-2-a Acquired: 11/12/2013 1:03:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.01366**	**.00111**	**.02284**	**.05187**	**-.00006**	**-.00325**	**93.417**	**.00035**	**.00021**
Stddev	.00041	.00057	.00194	.00023	.00032	.00003	.00011	.174	.00016	.00003
%RSD	101.62	4.1643	175.21	1.0048	.61905	58.099	3.3866	.18656	46.710	16.276
#1	.00011	.01406	-.00026	.02300	.05210	-.00004	-.00333	93.294	.00047	.00018
#2	.00069	.01326	.00247	.02268	.05165	-.00008	-.00317	93.541	.00024	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00208**	**.08336**	**6.0067**	**.07660**	**74.951**	**.02632**	**.00085**	**392.98**	**.00167**
Stddev	.00009	.00011	.00090	.0864	.00187	.099	.00000	.00025	.42	.00019
%RSD	128.92	5.0898	1.0755	1.4392	2.4468	.13157	.00212	30.014	.10591	11.435
#1	.00013	.00215	.08400	5.9456	.07528	74.882	.02632	.00103	392.69	.00181
#2	.00001	.00200	.08273	6.0679	.07793	75.021	.02632	.00067	393.28	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**-.00018**	F **217.92**	**.00009**	**.00045**	**4.6487**	**9.9482**	**-.00050**	**3.1674**	**-.00295**
Stddev	.00049	.00009	.02	.00014	.00106	.0013	.0028	.00052	.0058	.00041
%RSD	24.912	46.627	.00921	150.84	234.74	.02821	.02821	104.64	.18368	13.884
#1	.00162	-.00012	217.93	.00019	.00120	4.6496	9.9502	-.00087	3.1632	-.00266
#2	.00231	-.00024	217.90	-.00001	-.00030	4.6478	9.9463	-.00013	3.1715	-.00324
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00007**	**.02948**	**.00113**	**.00368**	**.00367**
Stddev	.00103	.00126	.03314	.00008	.00013	.00096
%RSD	417.78	1678.2	112.43	7.3963	3.6356	26.104
#1	.00097	.00081	.00604	.00108	.00378	.00299
#2	-.00048	-.00096	.05291	.00119	.00359	.00434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7768.3**	**103520.**	**6566.2**
Stddev	7.0	72.	3.9
%RSD	.09069	.06916	.05877
#1	7773.3	103570.	6563.5
#2	7763.3	103470.	6568.9

Sample Name: 280-48924-d-1-a Acquired: 11/12/2013 1:05:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00669**	**-.00162**	**.03063**	**-.00031**	**.00001**	**-.00130**	**.06891**	**-.00007**	**.00032**
Stddev	.00018	.00012	.00049	.00033	.00004	.00002	.00070	.01066	.00011	.00006
%RSD	32.976	1.7965	30.020	1.0746	13.152	118.42	53.981	15.470	176.57	20.060
#1	.00066	.00660	-.00197	.03040	-.00034	.00000	-.00081	.07645	-.00015	.00028
#2	.00041	.00677	-.00128	.03086	-.00028	.00002	-.00180	.06137	.00002	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.00027**	**.01791**	**.06806**	**-.00010**	**.00921**	**.00031**	**.00016**	**.21095**	**.00123**
Stddev	.00007	.00026	.00039	.00559	.00163	.00700	.00009	.00025	.05046	.00007
%RSD	1.7920	94.674	2.1569	8.2195	1549.6	75.959	28.358	154.12	23.919	5.9508
#1	.00368	.00045	.01764	.06411	.00104	.01416	.00025	-.00001	.24662	.00118
#2	.00359	.00009	.01818	.07202	-.00125	.00426	.00038	.00034	.17527	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**.00045**	**.05042**	**-.00145**	**.00063**	**.02732**	**.05846**	**-.00031**	**.00106**	**.00067**
Stddev	.00036	.00005	.00489	.00149	.00086	.00776	.01660	.00038	.00026	.00046
%RSD	15.600	12.215	9.6964	102.47	136.78	28.390	28.390	123.71	24.134	69.260
#1	-.00258	.00041	.05387	-.00250	.00002	.03280	.07020	-.00004	.00124	.00100
#2	-.00207	.00049	.04696	-.00040	.00123	.02183	.04672	-.00058	.00088	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00008**	**.00336**	**.00026**	**.00296**	**.00296**
Stddev	.00002	.00107	.00655	.00021	.00052	.00049
%RSD	32.818	1418.7	195.11	79.364	17.454	16.731
#1	-.00008	.00068	-.00127	.00041	.00260	.00261
#2	-.00005	-.00084	.00799	.00011	.00333	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8478.8**	**116630.**	**6674.5**
Stddev	43.5	36.	19.8
%RSD	.51321	.03081	.29695
#1	8448.0	116660.	6688.5
#2	8509.6	116610.	6660.4

Sample Name: 280-48924-d-2-a Acquired: 11/12/2013 1:08:00 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.08285**	**.00212**	**.02924**	**.10862**	**.00003**	**-.00192**	**30.606**	**.00022**	**.00222**
Stddev	.00029	.00025	.00212	.00009	.00063	.00008	.00091	.248	.00036	.00011
%RSD	52.676	.29698	100.25	.29340	.58140	290.10	47.387	.81022	163.43	5.0096
#1	.00034	.08302	.00362	.02930	.10906	-.00003	-.00256	30.431	-.00003	.00229
#2	.00075	.08267	.00062	.02918	.10817	.00008	-.00128	30.781	.00048	.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00224**	**.21893**	**7.2462**	**.11621**	**16.140**	**.09227**	**.00462**	W **554.67**	**.00301**
Stddev	.00006	.00009	.00226	.0656	.00015	.070	.00019	.00016	3.69	.00020
%RSD	7.4317	4.0376	1.0323	.90538	.13230	.43282	.20280	3.4711	.66463	6.5059
#1	.00083	.00218	.21734	7.1998	.11632	16.190	.09240	.00474	552.06	.00287
#2	.00075	.00231	.22053	7.2925	.11610	16.091	.09214	.00451	557.28	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01289**	**-.00018**	**25.633**	**-.00102**	**-.00142**	**3.3086**	**7.0805**	**.00034**	**3.0485**	**-.00410**
Stddev	.00334	.00040	.030	.00124	.00083	.0183	.0391	.00022	.0199	.00141
%RSD	25.922	221.24	.11560	121.85	58.299	.55238	.55238	62.779	.65150	34.482
#1	.01525	-.00046	25.654	-.00014	-.00083	3.3216	7.1082	.00050	3.0344	-.00310
#2	.01053	.00010	25.612	-.00189	-.00200	3.2957	7.0529	.00019	3.0625	-.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**.00056**	**.02630**	**.00099**	**.00581**	**.00373**
Stddev	.00046	.00080	.00525	.00019	.00020	.00102
%RSD	23.601	142.69	19.953	18.740	3.3997	27.222
#1	.00228	.00112	.03001	.00113	.00595	.00445
#2	.00163	-.00001	.02259	.00086	.00567	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7770.9**	**101900.**	**6456.3**
Stddev	15.0	753.	67.3
%RSD	.19256	.73879	1.0429
#1	7781.5	101370.	6503.9
#2	7760.3	102430.	6408.7

Sample Name: 280-48924-d-3-a Acquired: 11/12/2013 1:10:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.07793**	**.00055**	**.03024**	**.11051**	**-.00008**	**-.00340**	**31.444**	**.00038**	**.00254**
Stddev	.00059	.00018	.00256	.00002	.00066	.00005	.00093	.017	.00026	.00002
%RSD	211.03	.22545	462.96	.07075	.59592	60.269	27.462	.05472	66.858	.68817
#1	-.00069	.07781	-.00126	.03025	.11097	-.00011	-.00274	31.456	.00056	.00252
#2	.00014	.07806	.00237	.03022	.11004	-.00005	-.00406	31.432	.00020	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00189**	**.21532**	**7.6340**	**.11719**	**16.610**	**.09479**	**.00458**	W **570.69**	**.00306**
Stddev	.00015	.00038	.00130	.0441	.00151	.020	.00008	.00002	.58	.00006
%RSD	106.76	19.965	.60589	.57765	1.2908	.11918	.08751	.45122	.10216	1.8799
#1	.00003	.00216	.21624	7.6652	.11612	16.596	.09473	.00456	571.10	.00302
#2	.00024	.00163	.21440	7.6029	.11826	16.624	.09485	.00459	570.27	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01285**	**-.00025**	**26.359**	**-.00013**	**.00014**	**3.4224**	**7.3239**	**-.00027**	**3.1351**	**-.00295**
Stddev	.00014	.00014	.025	.00259	.00114	.0067	.0143	.00067	.0058	.00034
%RSD	1.0756	54.970	.09570	1955.9	804.27	.19496	.19496	243.64	.18623	11.545
#1	.01275	-.00015	26.377	.00170	.00095	3.4271	7.3340	.00020	3.1392	-.00319
#2	.01294	-.00035	26.341	-.00196	-.00067	3.4177	7.3138	-.00074	3.1310	-.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00022**	**.02016**	**.00071**	**.00557**	**.00299**
Stddev	.00017	.00046	.02629	.00044	.00014	.00028
%RSD	9.5066	208.31	130.43	62.351	2.4447	9.3408
#1	.00193	-.00010	.00157	.00040	.00547	.00280
#2	.00169	.00055	.03875	.00102	.00566	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7684.6**	**101060.**	**6473.7**
Stddev	54.9	533.	45.4
%RSD	.71433	.52738	.70158
#1	7723.4	101430.	6505.9
#2	7645.8	100680.	6441.6

Sample Name: 280-48944-c-1-a Acquired: 11/12/2013 1:12:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.13928**	**.00275**	**.03503**	**.01430**	**-.00007**	**-.00225**	**20.986**	**.00006**	**.00010**
Stddev	.00010	.00091	.00116	.00026	.00009	.00015	.00291	.018	.00009	.00009
%RSD	11.920	.65310	42.216	.74066	.61005	203.46	129.51	.08493	142.43	87.975
#1	.00093	.13993	.00193	.03485	.01436	.00003	-.00019	20.998	.00012	.00004
#2	.00078	.13864	.00357	.03521	.01423	-.00018	-.00430	20.973	.00000	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00774**	**.02570**	**.06788**	**.79322**	**-.00072**	**1.4455**	**.00173**	**.00051**	**5.6414**	**.00769**
Stddev	.00007	.00029	.00314	.04240	.00122	.0003	.00002	.00001	.0822	.00033
%RSD	.96147	1.1248	4.6214	5.3459	169.45	.02113	1.0472	1.0307	1.4570	4.2659
#1	.00769	.02550	.07010	.82321	.00014	1.4452	.00171	.00050	5.6995	.00792
#2	.00780	.02591	.06566	.76324	-.00159	1.4457	.00174	.00051	5.5833	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00941**	**-.00079**	**4.3063**	**-.00228**	**.00106**	**2.7063**	**5.7915**	**.00386**	**.05594**	**.00006**
Stddev	.00029	.00106	.0080	.00041	.00150	.0001	.0002	.00032	.00049	.00029
%RSD	3.0559	134.32	.18454	17.788	141.77	.00288	.00288	8.1670	.87570	492.44
#1	.00961	-.00154	4.3007	-.00257	.00212	2.7064	5.7916	.00364	.05629	-.00015
#2	.00920	-.00004	4.3119	-.00200	.00000	2.7062	5.7914	.00408	.05560	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00042**	**-.00477**	**.00077**	**.00674**	**.00205**
Stddev	.00024	.00090	.01759	.00032	.00013	.00000
%RSD	149.44	213.16	369.00	40.960	1.9341	.08160
#1	-.00001	.00021	-.01721	.00099	.00683	.00205
#2	.00034	-.00106	.00767	.00055	.00665	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8336.9**	**112490.**	**6465.6**
Stddev	3.9	61.	43.7
%RSD	.04658	.05457	.67663
#1	8334.2	112450.	6434.7
#2	8339.6	112540.	6496.5

Sample Name: 280-48888-b-2-a Acquired: 11/12/2013 1:15:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.11087**	**.00059**	**.17960**	**.05176**	**-.00015**	**-.00184**	**76.957**	**.00015**	**.00045**
Stddev	.00019	.00085	.00000	.00037	.00006	.00009	.00125	.022	.00006	.00003
%RSD	41.045	.76447	.34732	.20343	.11587	61.313	68.104	.02913	41.698	6.8783
#1	.00059	.11028	.00059	.17935	.05172	-.00008	-.00272	76.941	.00019	.00043
#2	.00033	.11147	.00059	.17986	.05181	-.00021	-.00095	76.972	.00011	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.01155**	**.31682**	**14.431**	**.02683**	**17.254**	**.02737**	**.00472**	**119.13**	**.00198**
Stddev	.00022	.00052	.00257	.056	.00038	.044	.00007	.00011	.07	.00043
%RSD	61.467	4.4772	.81259	.38579	1.4211	.25277	.25718	2.2887	.06200	21.642
#1	.00020	.01118	.31500	14.470	.02710	17.285	.02742	.00464	119.08	.00168
#2	.00051	.01191	.31864	14.391	.02656	17.224	.02732	.00479	119.18	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25989**	**.00047**	**47.630**	**-.00311**	**.00034**	**2.5019**	**5.3542**	**.00028**	**.76276**	**-.00058**
Stddev	.00139	.00014	.043	.00336	.00115	.0133	.0285	.00089	.00067	.00165
%RSD	.53374	30.050	.09034	108.08	340.58	.53155	.53155	322.76	.08783	284.78
#1	.25891	.00037	47.660	-.00548	-.00048	2.4925	5.3340	-.00035	.76228	-.00175
#2	.26087	.00056	47.600	-.00073	.00115	2.5114	5.3743	.00091	.76323	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**-.00045**	**-.01859**	**.00086**	**.03849**	**.00197**
Stddev	.00032	.00022	.00656	.00035	.00040	.00250
%RSD	10.738	48.829	35.319	40.652	1.0519	126.65
#1	.00280	-.00060	-.02323	.00061	.03820	.00021
#2	.00326	-.00029	-.01394	.00111	.03878	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7949.7**	**107350.**	**6461.1**
Stddev	40.3	157.	35.8
%RSD	.50748	.14647	.55351
#1	7978.3	107240.	6435.8
#2	7921.2	107460.	6486.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 1:17:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**51.917**	**-.00004**	**.00127**	**.00002**	**-.00013**	W **1.0833**	**.02897**	**-.00041**	**-.00028**	**.00010**	**.01238**
Stddev	.00021	.089	.00226	.00007	.00043	.00004	.0012	.00456	.00015	.00004	.00002	.00015
%RSD	2.5071	.17193	5329.2	5.6033	2375.6	32.287	.10619	15.742	36.483	16.230	22.808	1.2285
#1	.00846	51.854	.00155	.00132	-.00029	-.00016	1.0825	.03220	-.00052	-.00024	.00008	.01227
#2	.00817	51.980	-.00164	.00122	.00032	-.00010	1.0841	.02575	-.00031	-.00031	.00011	.01248
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.234**	**.07118**	**-.00152**	**.08685**	**.00074**	**-.00006**	**270.29**	**-.00016**	**-.00245**	**.00029**	**5.2047**	**.00145**
Stddev	.300	.02814	.00082	.00160	.00005	.00042	1.13	.00041	.00095	.00026	.0022	.00014
%RSD	.59740	39.542	53.968	1.8408	6.1182	653.83	.41816	246.83	38.761	90.096	.04269	9.6345
#1	50.447	.09108	-.00094	.08572	.00077	-.00036	271.09	-.00045	-.00178	.00011	5.2063	.00135
#2	50.022	.05127	-.00210	.08798	.00070	.00023	269.49	.00012	-.00313	.00048	5.2031	.00154
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00637**	**.02604**	**.05573**	**.00004**	**.00037**	**5.0393**	**-.01357**	**.00137**	F **6.3894**	**.00171**	**.00107**	**.05857**
Stddev	.00049	.00170	.00363	.00080	.00009	.0200	.00012	.00103	.0153	.00010	.00033	.00322
%RSD	7.6385	6.5132	6.5132	1901.7	23.768	.39723	.88630	75.728	.24014	5.5724	30.977	5.5033
#1	-.00602	.02484	.05316	.00061	.00043	5.0251	-.01365	.00063	6.4003	.00165	.00130	.06085
#2	-.00671	.02724	.05829	-.00052	.00031	5.0534	-.01348	.00210	6.3786	.00178	.00083	.05629
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.0**	**105400.**	**6294.1**
Stddev	54.9	401.	71.9
%RSD	.69109	.38044	1.1420
#1	7986.8	105690.	6344.9
#2	7909.1	105120.	6243.3

Sample Name: CCV-2372889 Acquired: 11/12/2013 1:19:51 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51263**	**.54628**	**1.0180**	**.51286**	**.51009**	**.49517**	**-.00383**	**5.1193**	**.51433**	**.51249**	**.51739**	**.51462**	**2.4878**
Stddev	.00152	.00026	.0018	.00095	.00008	.00079	.00106	.0293	.00007	.00076	.00083	.00255	.0212
%RSD	.29627	.04799	.17776	.18483	.01656	.15929	27.563	.57245	.01303	.14797	.15969	.49456	.85107
#1	.51156	.54609	1.0193	.51353	.51015	.49461	-.00458	5.1400	.51438	.51303	.51680	.51282	2.5027
#2	.51371	.54647	1.0167	.51219	.51003	.49573	-.00309	5.0986	.51428	.51196	.51797	.51642	2.4728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.816**	**1.0176**	**20.568**	**.50536**	**.52254**	**5.3597**	**.52047**	**1.0306**	**1.0498**	**.01629**	**1.0217**	**1.0264**	**4.9331**
Stddev	.067	.0016	.095	.00031	.00305	.0109	.00010	.0018	.0028	.00191	.0008	.0020	.0220
%RSD	.12689	.15512	.46186	.06056	.58343	.20340	.01918	.17447	.27060	11.723	.07372	.19281	.44607
#1	52.768	1.0188	20.635	.50515	.52038	5.3674	.52040	1.0293	1.0478	.01494	1.0222	1.0250	4.9486
#2	52.863	1.0165	20.501	.50558	.52470	5.3520	.52054	1.0318	1.0519	.01765	1.0212	1.0278	4.9175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.557**	**1.0472**	**.50747**	**-.00319**	**.49917**	**1.0470**	**.00775**	**.51041**	**.52297**	**.49883**
Stddev	.047	.0018	.00003	.00066	.00120	.0006	.00161	.00189	.00468	.00661
%RSD	.44607	.17108	.00539	20.760	.24115	.05410	20.753	.36963	.89470	1.3261
#1	10.590	1.0459	.50749	-.00366	.50002	1.0474	.00661	.51175	.52628	.50350
#2	10.523	1.0485	.50745	-.00272	.49832	1.0466	.00888	.50908	.51967	.49415
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.5**	**108920.**	**6275.0**
Stddev	16.2	634.	37.2
%RSD	.19779	.58168	.59240
#1	8189.0	108480.	6301.3
#2	8211.9	109370.	6248.7

Sample Name: CCB Acquired: 11/12/2013 1:22:00 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00398**	**.00056**	**.00006**	**-.00011**	**.00007**	**-.00103**	**.00577**	**-.00008**	**.00041**	**.00010**
Stddev	.00032	.00030	.00077	.00003	.00012	.00005	.00216	.00143	.00007	.00004	.00008
%RSD	165.14	7.4085	136.40	49.404	110.68	77.733	208.99	24.717	96.832	10.574	79.109
#1	-.00003	-.00377	.00110	.00004	-.00002	.00003	-.00256	.00476	-.00013	.00044	.00015
#2	.00043	-.00419	.00002	.00009	-.00019	.00010	.00049	.00678	-.00002	.00038	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00003**	**.01333**	W **-.00270**	**.00368**	**.00005**	**.00009**	**.03692**	**.00052**	**-.00457**	**.00019**
Stddev	.00010	.00055	.02458	.00074	.00127	.00001	.00009	.00645	.00009	.00071	.00093
%RSD	124.19	1583.0	184.44	27.529	34.648	24.618	93.817	17.459	17.179	15.534	492.81
#1	-.00015	.00042	-.00405	-.00323	.00278	.00004	.00016	.03237	.00045	-.00407	.00084
#2	-.00001	-.00035	.03071	-.00218	.00458	.00006	.00003	.04148	.00058	-.00507	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01529**	F **.00739**	**-.00035**	**.00742**	**.01588**	**.00002**	**.00022**	**.00075**	**-.00026**	**-.00024**	**.00271**
Stddev	.00235	.00227	.00218	.02145	.04590	.00026	.00000	.00133	.00001	.00132	.00516
%RSD	15.347	30.706	616.27	289.02	289.02	1376.3	.98863	176.63	4.3330	546.27	190.34
#1	.01695	.00579	.00119	.02259	.04834	-.00017	.00022	-.00019	-.00027	.00069	.00636
#2	.01363	.00900	-.00189	-.00775	-.01658	.00021	.00022	.00169	-.00025	-.00118	-.00094
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00000**	**.00225**	**.00227**
Stddev	.00002	.00038	.00047
%RSD	73834.	16.737	20.762
#1	-.00002	.00198	.00261
#2	.00002	.00251	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8266.9**	**111770.**	**6339.8**
Stddev	17.8	100.	3.9
%RSD	.21516	.08932	.06211
#1	8254.3	111840.	6337.1
#2	8279.4	111700.	6342.6

Sample Name: CCVL2372865 Acquired: 11/12/2013 1:24:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01069**	**.11086**	**.01590**	**.10016**	**.01016**	**.00091**	**.12282**	**.21687**	**.00515**	**.01059**	**.01044**	**.01612**	**.10438**
Stddev	.00039	.00002	.00211	.00067	.00012	.00013	.00290	.00290	.00013	.00000	.00013	.00028	.00332
%RSD	3.6107	.01443	13.299	.66473	1.1409	14.052	2.3591	1.3392	2.6201	.02062	1.2606	1.7660	3.1823
#1	.01042	.11085	.01739	.10063	.01008	.00082	.12487	.21482	.00524	.01058	.01053	.01591	.10203
#2	.01097	.11087	.01440	.09969	.01024	.00100	.12077	.21893	.00505	.01059	.01034	.01632	.10673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1780**	**.00838**	**.21314**	**.01038**	**.02089**	**1.1113**	**.04281**	**3.0030**	**.00894**	**.01962**	**.01171**	**.01154**	**.49283**
Stddev	.0478	.00143	.00253	.00001	.00006	.0115	.00006	.0017	.00038	.00250	.00064	.00073	.00193
%RSD	1.5056	17.120	1.1856	.09595	.28074	1.0324	.13440	.05805	4.2579	12.738	5.4277	6.2994	.39118
#1	3.1442	.00736	.21135	.01039	.02093	1.1194	.04285	3.0042	.00921	.02139	.01216	.01205	.49146
#2	3.2119	.00939	.21493	.01037	.02085	1.1032	.04277	3.0018	.00867	.01785	.01126	.01102	.49419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0547**	**.10677**	**.01035**	**.01429**	**.00944**	**.01705**	F **.10250**	**.01059**	**.02548**	**.01656**
Stddev	.0041	.00063	.00007	.00002	.00008	.00048	.00471	.00058	.00067	.00004
%RSD	.39118	.59035	.64376	.11768	.83826	2.8048	4.5919	5.4973	2.6484	.26865
#1	1.0517	.10722	.01030	.01428	.00938	.01671	.10583	.01018	.02501	.01659
#2	1.0576	.10632	.01040	.01430	.00950	.01739	.09917	.01100	.02596	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8262.0**	**111340.**	**6366.8**
Stddev	39.8	36.	44.7
%RSD	.48222	.03266	.70253
#1	8233.8	111310.	6335.2
#2	8290.2	111360.	6398.4

Sample Name: mb 280-199768/1-a Acquired: 11/12/2013 1:26:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	F **.19674**	**.00308**	**-.00005**	**.00001**	**-.00007**	**.00087**	**.01716**	**-.00004**	**.00018**
Stddev	.00009	.00103	.00110	.00048	.00010	.00002	.00042	.00080	.00024	.00008
%RSD	14.316	.52497	35.525	931.01	1203.6	22.502	48.159	4.6581	576.36	43.995
#1	.00057	.19747	.00386	-.00039	.00008	-.00008	.00116	.01772	.00013	.00012
#2	.00070	.19601	.00231	.00029	-.00006	-.00006	.00057	.01659	-.00021	.00023
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.10000								
Low Limit		-.10000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00019**	W **.06532**	**-.02031**	**-.00026**	**.00298**	**.00055**	**.00002**	**.00467**	**.00027**
Stddev	.00011	.00001	.00017	.01375	.00080	.00037	.00001	.00022	.00530	.00007
%RSD	102.61	3.4753	.25500	67.674	311.91	12.487	1.5015	965.44	113.36	24.042
#1	.00003	.00019	.06543	-.03003	.00031	.00271	.00056	-.00013	.00093	.00032
#2	.00019	.00018	.06520	-.01059	-.00083	.00324	.00055	.00018	.00842	.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00352**	**-.00040**	**.01745**	**-.00193**	**-.00055**	**.01229**	**.02630**	**.00083**	**.00013**	**.00091**
Stddev	.00033	.00032	.00144	.00069	.00038	.01033	.02211	.00012	.00001	.00045
%RSD	9.4197	80.051	8.2543	35.631	68.554	84.062	84.062	14.703	6.2187	49.577
#1	-.00375	-.00018	.01643	-.00144	-.00082	.01960	.04194	.00075	.00013	.00059
#2	-.00328	-.00063	.01847	-.00242	-.00029	.00498	.01067	.00092	.00014	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00031**	**.01149**	**.00010**	**.00276**	**.00318**
Stddev	.00017	.00066	.01261	.00000	.00002	.00307
%RSD	29.849	209.60	109.74	4.1886	.68758	96.435
#1	-.00045	.00078	.02041	.00011	.00278	.00535
#2	-.00068	-.00015	.00257	.00010	.00275	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8266.0**	**111460.**	**6437.5**
Stddev	4.6	444.	53.0
%RSD	.05518	.39867	.82255
#1	8262.8	111140.	6474.9
#2	8269.3	111770.	6400.0

Sample Name: lcs 280-199768/2-a Acquired: 11/12/2013 1:28:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04888	2.0162	.96492	.99035	1.9469	.04697	2.1866	47.309	.10256	.47383
Stddev	.00048	.0063	.00795	.00157	.0017	.00000	.0129	.025	.00011	.00091
%RSD	.98178	.31036	.82407	.15894	.08609	.00791	.58956	.05367	.10461	.19132
#1	.04922	2.0118	.97054	.99147	1.9457	.04697	2.1957	47.327	.10248	.47447
#2	.04854	2.0206	.95930	.98924	1.9480	.04697	2.1775	47.291	.10263	.47319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19686	.24833	.94206	50.614	.96935	48.851	.47528	1.0066	52.162	.48234
Stddev	.00029	.00085	.00273	.120	.00126	.029	.00073	.0029	.448	.00107
%RSD	.14847	.34085	.28989	.23745	.13010	.06013	.15301	.29017	.85976	.22267
#1	.19707	.24892	.94013	50.699	.96846	48.872	.47579	1.0086	51.845	.48310
#2	.19665	.24773	.94399	50.529	.97024	48.830	.47476	1.0045	52.479	.48158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8978	.47939	.04766	.47497	1.9248	9.6878	20.732	2.0011	.96762	.95619
Stddev	.0180	.00301	.04680	.00068	.0112	.0060	.013	.0097	.00186	.01011
%RSD	.18152	.62808	98.193	.14293	.58323	.06137	.06137	.48281	.19221	1.0572
#1	9.9105	.48152	.01457	.47449	1.9327	9.6836	20.723	2.0079	.96631	.96333
#2	9.8851	.47726	.08076	.47545	1.9169	9.6920	20.741	1.9942	.96894	.94904
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96922	1.8937	2.0545	.48898	.49290	.49636
Stddev	.00331	.0110	.0132	.00029	.00070	.00518
%RSD	.34139	.58008	.64383	.05912	.14139	1.0436
#1	.97156	1.9014	2.0452	.48878	.49339	.49269
#2	.96688	1.8859	2.0639	.48919	.49241	.50002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7934.8	105500.	6228.3
Stddev	32.5	294.	72.7
%RSD	.40909	.27873	1.1674
#1	7957.7	105710.	6176.9
#2	7911.8	105290.	6279.7

Sample Name: 280-48717-d-1-c Acquired: 11/12/2013 1:31:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**5.5428**	**.05257**	**.22784**	**.39300**	**.00021**	**-.01275**	**281.73**	**.00149**	**.01022**
Stddev	.00019	.0716	.00099	.00102	.00494	.00004	.00047	4.74	.00012	.00025
%RSD	36.385	1.2909	1.8913	.44854	1.2558	18.104	3.7129	1.6830	7.9720	2.4095
#1	.00066	5.4922	.05187	.22711	.38951	.00024	-.01242	278.38	.00158	.01004
#2	.00039	5.5933	.05327	.22856	.39649	.00018	-.01309	285.08	.00141	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00733**	**.01175**	**19.984**	**3.7151**	**.01123**	**129.46**	**3.6225**	**.00110**	**123.38**	**.03099**
Stddev	.00014	.00047	.245	.0596	.00033	.35	.0166	.00021	1.55	.00001
%RSD	1.8955	4.0348	1.2279	1.6053	2.9271	.26926	.45904	19.192	1.2539	.03325
#1	.00723	.01209	19.811	3.6729	.01100	129.70	3.6342	.00125	122.28	.03098
#2	.00743	.01142	20.158	3.7573	.01146	129.21	3.6107	.00095	124.47	.03100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4098**	**.00843**	**2.8418**	**-.00273**	**.00198**	**32.735**	**70.054**	**.00262**	**1.2453**	**.00491**
Stddev	.0103	.00129	.0169	.00056	.00089	.503	1.076	.00068	.0126	.00008
%RSD	.42573	15.311	.59528	20.387	45.023	1.5354	1.5354	26.123	1.0107	1.6966
#1	2.4026	.00752	2.8299	-.00233	.00260	32.380	69.293	.00214	1.2364	.00486
#2	2.4171	.00934	2.8538	-.00312	.00135	33.091	70.814	.00311	1.2542	.00497
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45203**	**-.00118**	**-.02080**	**.02685**	**.02278**	**.00897**
Stddev	.00022	.00091	.01458	.00006	.00021	.00166
%RSD	.04910	77.133	70.075	.23335	.92961	18.565
#1	.45219	-.00054	-.01050	.02689	.02293	.01014
#2	.45188	-.00182	-.03111	.02680	.02263	.00779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7754.3**	**102220.**	**6259.4**
Stddev	14.0	527.	51.4
%RSD	.18100	.51552	.82183
#1	7744.4	101840.	6295.8
#2	7764.2	102590.	6223.0

Sample Name: 280-48717-d-2-c Acquired: 11/12/2013 1:33:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.01758**	**.00126**	**.00061**	**.00001**	**-.00003**	**-.00132**	**.07639**	**.00003**	**.00011**
Stddev	.00120	.00045	.00042	.00017	.00023	.00001	.00035	.01618	.00001	.00003
%RSD	275.88	2.5697	33.204	28.374	2162.1	44.871	26.541	21.176	40.015	25.364
#1	-.00041	.01726	.00155	.00073	.00017	-.00004	-.00157	.08783	.00002	.00013
#2	.00128	.01790	.00096	.00049	-.00015	-.00002	-.00107	.06495	.00003	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00023**	**.00974**	**.02686**	**.00020**	**.01308**	**.00057**	**-.00014**	**.07399**	**.00062**
Stddev	.00010	.00019	.00433	.02787	.00096	.00239	.00002	.00024	.01953	.00011
%RSD	405.22	80.856	44.500	103.75	486.30	18.233	3.3057	171.60	26.393	18.006
#1	.00009	.00010	.01280	.00715	-.00048	.01140	.00058	.00003	.08780	.00054
#2	-.00004	.00037	.00667	.04656	.00088	.01477	.00056	-.00031	.06018	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01985**	**-.00035**	**.01951**	**-.00096**	**-.00017**	**.04382**	**.09377**	**.00119**	**.00015**	**-.00044**
Stddev	.00640	.00010	.00245	.00122	.00213	.00717	.01534	.00001	.00002	.00181
%RSD	32.249	29.389	12.563	127.38	1253.8	16.356	16.356	.48485	16.716	413.31
#1	.02438	-.00028	.02124	-.00010	.00133	.03875	.08292	.00119	.00013	-.00172
#2	.01533	-.00042	.01777	-.00183	-.00167	.04889	.10462	.00120	.00017	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00018**	**-.00522**	**.00026**	**.00458**	**.00169**
Stddev	.00006	.00037	.02722	.00059	.00016	.00055
%RSD	36.869	198.73	521.45	228.90	3.5497	32.616
#1	-.00013	.00044	-.02447	.00067	.00447	.00130
#2	-.00022	-.00007	.01403	-.00016	.00470	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8311.8**	**111570.**	**6325.9**
Stddev	22.2	132.	32.1
%RSD	.26682	.11829	.50671
#1	8327.5	111670.	6348.6
#2	8296.2	111480.	6303.2

Sample Name: 280-48717-d-3-c Acquired: 11/12/2013 1:35:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.07926**	**.07146**	**1.8193**	**.97178**	**-.00001**	**-.01182**	**340.13**	**.00125**	**.00446**
Stddev	.00004	.00020	.00356	.0019	.00459	.00008	.00153	8.84	.00004	.00033
%RSD	4.8438	.25812	4.9760	.10432	.47251	810.07	12.959	2.5989	3.4685	7.3640
#1	.00085	.07912	.06894	1.8207	.96853	-.00007	-.01290	346.38	.00128	.00423
#2	.00091	.07941	.07397	1.8180	.97502	.00005	-.01074	333.88	.00122	.00469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00181**	**37.402**	**23.745**	**.00907**	**87.450**	**5.2679**	**-.00035**	**214.95**	**.00572**
Stddev	.00000	.00004	.056	.114	.00080	.256	.0107	.00048	1.53	.00008
%RSD	.17618	2.3793	.14942	.48035	8.8126	.29310	.20246	134.23	.71237	1.3457
#1	.00091	.00178	37.362	23.664	.00964	87.632	5.2754	-.00002	213.86	.00578
#2	.00091	.00184	37.441	23.825	.00851	87.269	5.2604	-.00069	216.03	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5026**	**-.00228**	**1.9394**	**-.00293**	**.00190**	**31.583**	**67.588**	**-.00012**	**2.0325**	**-.00103**
Stddev	.0031	.00187	.0059	.00123	.00128	.313	.670	.00023	.0092	.00081
%RSD	.20748	81.893	.30248	41.927	67.187	.99114	.99114	194.16	.45347	78.524
#1	1.5048	-.00360	1.9353	-.00380	.00100	31.362	67.114	.00004	2.0260	-.00160
#2	1.5004	-.00096	1.9436	-.00206	.00280	31.804	68.062	-.00028	2.0391	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00198**	**-.00239**	**.00319**	**.00871**	**.00625**
Stddev	.00023	.00137	.02296	.00038	.00013	.00076
%RSD	30.710	69.447	960.73	11.854	1.4441	12.178
#1	.00092	-.00101	.01384	.00346	.00862	.00679
#2	.00059	-.00295	-.01862	.00292	.00880	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7617.7**	**100890.**	**6272.0**
Stddev	5.8	106.	12.3
%RSD	.07561	.10524	.19594
#1	7621.8	100810.	6280.7
#2	7613.7	100960.	6263.3

Sample Name: 280-48717-d-4-c Acquired: 11/12/2013 1:38:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.04342**	**.06863**	**1.8102**	**.96131**	**-.00001**	**-.01083**	**341.57**	**.00106**	**.00434**
Stddev	.00008	.00013	.00026	.0004	.00098	.00002	.00329	1.71	.00002	.00003
%RSD	37.621	.30795	.38126	.02406	.10218	336.59	30.382	.50169	1.5858	.70471
#1	.00016	.04332	.06845	1.8105	.96061	-.00002	-.00850	340.36	.00105	.00436
#2	.00027	.04351	.06882	1.8099	.96200	.00001	-.01315	342.78	.00108	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00188**	**36.944**	**23.645**	**.01085**	**86.547**	**5.3133**	**-.00037**	**213.25**	**.00566**
Stddev	.00011	.00009	.012	.061	.00059	.021	.0249	.00011	.18	.00006
%RSD	12.464	4.8944	.03195	.25923	5.4545	.02441	.46805	29.225	.08657	1.0187
#1	.00093	.00194	36.936	23.602	.01043	86.532	5.3308	-.00029	213.12	.00562
#2	.00078	.00181	36.953	23.688	.01127	86.562	5.2957	-.00044	213.38	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4934**	**-.00103**	**1.9364**	**-.00238**	**.00089**	**31.428**	**67.255**	**.00073**	**2.0109**	**.00171**
Stddev	.0041	.00056	.0037	.00096	.00097	.196	.419	.00090	.0013	.00051
%RSD	.27466	54.187	.19171	40.430	108.42	.62358	.62358	122.88	.06241	29.771
#1	1.4963	-.00063	1.9390	-.00306	.00158	31.566	67.552	.00137	2.0101	.00135
#2	1.4905	-.00142	1.9338	-.00170	.00021	31.289	66.959	.00010	2.0118	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00145**	**-.04792**	**.00338**	**.00475**	**.00398**
Stddev	.00009	.00089	.00336	.00005	.00020	.00068
%RSD	19.780	60.929	7.0101	1.3863	4.1704	17.193
#1	.00038	-.00208	-.04555	.00341	.00489	.00349
#2	.00051	-.00083	-.05030	.00335	.00461	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7617.6**	**101520.**	**6231.2**
Stddev	12.4	536.	17.0
%RSD	.16296	.52828	.27273
#1	7626.3	101900.	6243.3
#2	7608.8	101140.	6219.2

Sample Name: 280-48717-d-5-c Acquired: 11/12/2013 1:40:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00947**	**.00126**	**.06510**	**.03813**	**.00000**	**-.00131**	**23.351**	**.00001**	**.00115**
Stddev	.00012	.00036	.00194	.00054	.00002	.0000	.00015	.038	.00006	.00011
%RSD	27.984	3.7524	154.24	.83438	.05403	1163.9	11.704	.16386	622.42	9.7800
#1	.00035	.00972	-.00011	.06548	.03814	.00001	-.00142	23.324	.00005	.00123
#2	.00053	.00921	.00263	.06471	.03812	-.00001	-.00120	23.378	-.00003	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.01788**	**1.8117**	**.87736**	**-.00388**	**10.779**	**1.6514**	**.00018**	**18.169**	**.00201**
Stddev	.00010	.00025	.0009	.00217	.00277	.050	.0055	.00017	.434	.00008
%RSD	216.43	1.3709	.04800	.24692	71.600	.46274	.33319	95.197	2.3906	3.9398
#1	.00011	.01806	1.8111	.87889	-.00191	10.815	1.6553	.00006	17.861	.00196
#2	-.00002	.01771	1.8123	.87582	-.00584	10.744	1.6475	.00030	18.476	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05357**	**-.00030**	**2.3383**	**-.00282**	**-.00108**	**8.6310**	**18.470**	**.00047**	**.16743**	**-.00010**
Stddev	.00198	.00064	.0126	.00232	.00076	.0047	.010	.00028	.00049	.00034
%RSD	3.7033	213.34	.53698	82.322	70.728	.05500	.05500	60.278	.29202	358.59
#1	.05497	-.00075	2.3472	-.00118	-.00162	8.6344	18.478	.00067	.16777	-.00034
#2	.05217	.00015	2.3294	-.00447	-.00054	8.6277	18.463	.00027	.16708	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00109**	**-.00641**	**.00113**	**.00402**	**.00251**
Stddev	.00011	.00050	.03056	.00074	.00024	.00127
%RSD	47.777	46.144	476.38	65.431	5.8575	50.622
#1	-.00031	-.00074	-.02802	.00166	.00385	.00161
#2	-.00015	-.00145	.01519	.00061	.00419	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.8**	**109870.**	**6344.5**
Stddev	22.0	507.	3.5
%RSD	.26760	.46152	.05450
#1	8241.3	109510.	6347.0
#2	8210.2	110230.	6342.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 1:43:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00798**	**51.383**	**.00165**	**.00315**	**.00000**	**-.00015**	W **1.0778**	**.02900**	**-.00018**	**-.00029**	**.00011**	**.01243**
Stddev	.00009	.199	.00261	.00004	.00031	.00009	.0011	.00613	.00016	.00001	.00003	.00042
%RSD	1.1864	.38810	157.42	1.3814	8931.8	57.982	.10044	21.126	85.913	2.0588	24.643	3.3831
#1	.00805	51.524	.00350	.00318	-.00022	-.00022	1.0771	.03333	-.00029	-.00029	.00009	.01213
#2	.00791	51.242	-.00019	.00312	.00023	-.00009	1.0786	.02467	-.00007	-.00028	.00012	.01273
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.776**	**.07827**	**-.00344**	**.08880**	**.00093**	**-.00007**	**268.04**	**.00006**	**.00011**	**.00080**	**5.1223**	**.00065**
Stddev	.080	.01133	.00448	.00114	.00002	.00006	.19	.00059	.00210	.00064	.0144	.00084
%RSD	.16011	14.471	130.15	1.2838	1.9633	89.296	.07001	928.37	1915.9	80.144	.28008	128.25
#1	49.832	.08628	-.00027	.08800	.00092	-.00002	267.91	.00048	.00160	.00035	5.1324	.00125
#2	49.719	.07026	-.00661	.08961	.00094	-.00011	268.18	-.00036	-.00138	.00126	5.1121	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00563**	**.02615**	**.05597**	**.00042**	**.00021**	**5.0133**	**-.01343**	**.00050**	F **6.3645**	**.00195**	**.00132**	**.05865**
Stddev	.00347	.01621	.03469	.00052	.00001	.0140	.00012	.00111	.0204	.00038	.00029	.00374
%RSD	61.575	61.977	61.977	123.76	5.6279	.27824	.93008	219.64	.32081	19.366	21.993	6.3812
#1	-.00808	.01469	.03144	.00079	.00022	5.0231	-.01334	-.00028	6.3500	.00168	.00112	.05600
#2	-.00318	.03762	.08050	.00005	.00020	5.0034	-.01352	.00129	6.3789	.00222	.00153	.06129
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7966.1**	**105400.**	**6250.8**
Stddev	20.1	257.	30.3
%RSD	.25219	.24349	.48465
#1	7980.3	105580.	6229.4
#2	7951.9	105220.	6272.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 1:45:26 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51115**	**.54788**	**1.0169**	**.51228**	**.50919**	**.49409**	**-.00570**	**5.1497**	**.51048**	**.51090**	**.51645**	**.51203**	**2.4915**
Stddev	.00120	.00007	.0016	.00093	.00308	.00028	.00327	.0328	.00083	.00114	.00091	.00086	.0043
%RSD	.23548	.01338	.15695	.18164	.60459	.05725	57.440	.63788	.16301	.22263	.17656	.16880	.17199
#1	.51200	.54783	1.0157	.51162	.50701	.49389	-.00801	5.1264	.50990	.51170	.51581	.51264	2.4945
#2	.51029	.54793	1.0180	.51294	.51137	.49429	-.00338	5.1729	.51107	.51009	.51710	.51141	2.4885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.726**	**1.0195**	**20.551**	**.50350**	**.51926**	**5.2987**	**.52037**	**1.0315**	**1.0429**	**.00758**	**1.0157**	**1.0244**	**4.9966**
Stddev	.166	.0061	.048	.00069	.00074	.0091	.00008	.0046	.0001	.00120	.0058	.0012	.0006
%RSD	.31488	.59426	.23443	.13627	.14329	.17219	.01470	.44863	.01381	15.806	.56707	.11652	.01295
#1	52.609	1.0153	20.585	.50301	.51874	5.3051	.52042	1.0283	1.0428	.00842	1.0116	1.0252	4.9962
#2	52.844	1.0238	20.517	.50398	.51979	5.2922	.52032	1.0348	1.0430	.00673	1.0197	1.0235	4.9971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.693**	**1.0485**	**.50610**	**-.00464**	**.49813**	**1.0426**	**.00071**	**.50780**	**.52296**	**.50132**
Stddev	.001	.0027	.00266	.00014	.00077	.0042	.01149	.00004	.00095	.00128
%RSD	.01295	.25788	.52514	3.0748	.15502	.40373	1614.1	.00878	.18260	.25451
#1	10.692	1.0466	.50422	-.00454	.49867	1.0396	-.00741	.50777	.52229	.50042
#2	10.694	1.0504	.50798	-.00474	.49758	1.0456	.00883	.50784	.52364	.50222
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8124.8**	**108270.**	**6261.0**
Stddev	31.3	198.	13.4
%RSD	.38539	.18264	.21451
#1	8102.7	108410.	6251.5
#2	8146.9	108130.	6270.5

Sample Name: CCB Acquired: 11/12/2013 1:47:33 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00404**	**.00031**	**.00132**	**-.00009**	**-.00004**	**-.00191**	**.00921**	**.00005**	**.00018**	**-.00002**	**-.00015**	**.00325**
Stddev	.00024	.00010	.00046	.00032	.00005	.00006	.00174	.00279	.00006	.00010	.00005	.00024	.00358
%RSD	124.63	2.5475	148.63	24.283	51.600	157.86	91.251	30.298	134.22	57.369	218.12	162.86	110.11
#1	.00037	-.00397	-.00002	.00155	-.00012	-.00008	-.00314	.00724	.00009	.00011	.00001	.00002	.00072
#2	.00002	-.00412	.00063	.00109	-.00006	.00000	-.00068	.01119	.00000	.00025	-.00006	-.00031	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**-.00170**	**.00232**	**.00021**	**.00042**	**.01638**	**.00038**	**-.00027**	**.00008**	**.00958**	F **.00666**	**-.00004**	**.00705**
Stddev	.05443	.00190	.00039	.00004	.00010	.01560	.00007	.00045	.00164	.00095	.00063	.00186	.00623
%RSD	768.83	112.17	16.912	16.874	24.413	95.210	19.006	166.63	2141.5	9.9322	9.5313	4877.3	88.492
#1	.04556	-.00305	.00260	.00019	.00050	.02741	.00033	.00005	.00124	.01025	.00621	.00128	.00264
#2	-.03141	-.00035	.00204	.00024	.00035	.00535	.00043	-.00059	-.00109	.00890	.00711	-.00136	.01145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01508**	**.00014**	**.00023**	**.00006**	**-.00055**	**.00052**	**-.00331**	**.00040**	**.00375**	**.00041**
Stddev	.01334	.00034	.00003	.00087	.00031	.00100	.00141	.00042	.00016	.00007
%RSD	88.492	243.44	14.377	1406.2	56.649	192.01	42.737	104.09	4.2333	16.828
#1	.00564	.00038	.00020	.00068	-.00033	.00122	-.00431	.00011	.00386	.00046
#2	.02451	-.00010	.00025	-.00055	-.00076	-.00019	-.00231	.00070	.00364	.00036
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8179.2**	**109190.**	**6201.2**
Stddev	9.2	624.	16.9
%RSD	.11301	.57137	.27287
#1	8172.6	108750.	6189.2
#2	8185.7	109630.	6213.1

Sample Name: CCVL2372865 Acquired: 11/12/2013 1:49:50 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.11144**	**.01502**	**.10224**	**.01029**	**.00101**	**.12442**	**.22594**	**.00513**	**.01063**	**.01057**	**.01536**	**.10635**
Stddev	.00025	.00007	.00065	.00032	.00000	.00001	.00234	.00123	.00007	.00009	.00009	.00013	.00028
%RSD	2.2586	.06221	4.3185	.31676	.01274	1.4096	1.8829	.54584	1.4214	.83032	.83992	.84464	.26009
#1	.01070	.11139	.01457	.10201	.01029	.00102	.12277	.22507	.00518	.01057	.01063	.01545	.10655
#2	.01104	.11149	.01548	.10247	.01029	.00100	.12608	.22681	.00508	.01069	.01050	.01526	.10616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2207**	**.00872**	**.21588**	**.01055**	**.02051**	**1.0931**	**.04321**	**3.0230**	**.00888**	**.01408**	**.01035**	**.01486**	**.49888**
Stddev	.0580	.00196	.00368	.00000	.00016	.0192	.00001	.0020	.00046	.00144	.00167	.00176	.00078
%RSD	1.8011	22.501	1.7043	.00378	.77427	1.7568	.01284	.06739	5.1530	10.211	16.165	11.868	.15706
#1	3.2617	.00733	.21848	.01055	.02040	1.1067	.04321	3.0244	.00855	.01510	.00917	.01362	.49943
#2	3.1797	.01011	.21328	.01055	.02062	1.0795	.04320	3.0215	.00920	.01307	.01153	.01611	.49832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0676**	**.10829**	**.01040**	**.01648**	**.00978**	**.01622**	F **.08545**	**.01030**	**.02546**	**.01783**
Stddev	.0017	.00069	.00002	.00000	.00032	.00064	.01118	.00005	.00070	.00053
%RSD	.15706	.63821	.22749	.01622	3.2333	3.9373	13.079	.50808	2.7479	2.9698
#1	1.0688	.10878	.01042	.01648	.00956	.01577	.07755	.01034	.02497	.01745
#2	1.0664	.10780	.01038	.01648	.01000	.01667	.09335	.01026	.02596	.01820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8264.2**	**110690.**	**6316.9**
Stddev	44.6	185.	41.8
%RSD	.53971	.16671	.66232
#1	8232.6	110560.	6287.3
#2	8295.7	110820.	6346.5

Sample Name: 48832-1 Acquired: 11/12/2013 1:52:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Sr SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02825**	**.00551**	**3.5559**	**.08109**	**-.00005**	**.00238**	**171.37**	**.00009**	**.00065**
Stddev	.00020	.00000	.00073	.0095	.00089	.00001	.00057	1.32	.00004	.00013
%RSD	42.574	.00118	13.328	.26750	1.0950	12.391	23.778	.77108	50.904	19.722
#1	.00060	.02825	.00603	3.5492	.08046	-.00006	.00278	170.43	.00012	.00074
#2	.00032	.02825	.00499	3.5626	.08172	-.00005	.00198	172.30	.00006	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00217**	**5.0768**	**38.860**	**.00438**	**24.199**	**.82547**	**.00146**	**145.30**	**.00203**
Stddev	.00001	.00008	.0066	.244	.00040	.018	.00079	.00032	1.50	.00037
%RSD	.78722	3.6852	.12943	.62880	9.1575	.07299	.09526	21.674	1.0316	17.973
#1	.00114	.00223	5.0815	38.687	.00466	24.187	.82492	.00168	144.24	.00229
#2	.00115	.00211	5.0722	39.033	.00410	24.212	.82603	.00123	146.36	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16145**	**-.00046**	**49.781**	**-.00106**	**-.00306**	**2.2059**	**4.7206**	**.00032**	**.90177**	**-.00252**
Stddev	.00003	.00141	.144	.00059	.00036	.0046	.0099	.00024	.00801	.00025
%RSD	.01805	308.03	.28963	55.703	11.708	.20903	.20903	75.321	.88804	10.091
#1	.16147	-.00146	49.679	-.00148	-.00331	2.2091	4.7275	.00049	.89611	-.00234
#2	.16142	.00054	49.883	-.00064	-.00281	2.2026	4.7136	.00015	.90743	-.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00288**	**.01673**	**.00143**	**.00099**	**.00315**
Stddev	.00006	.00022	.04614	.00034	.00022	.00100
%RSD	52.296	7.7754	275.78	23.981	21.930	31.663
#1	-.00016	.00272	-.01590	.00168	.00084	.00245
#2	-.00007	.00304	.04936	.00119	.00114	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.4**	**110770.**	**6753.2**
Stddev	5.5	216.	100.7
%RSD	.06605	.19503	1.4908
#1	8287.5	110620.	6824.3
#2	8295.3	110930.	6682.0

Sample Name: 48832-7 Acquired: 11/12/2013 1:54:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Sr SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.48396**	**.01273**	**6.9328**	**.33970**	**-.00005**	**-.00072**	**225.93**	**.00029**	**.00082**
Stddev	.00023	.00109	.00112	.0092	.00183	.00010	.00030	.57	.00020	.00009
%RSD	111.27	.22484	8.8111	.13216	.53978	205.90	40.913	.25226	68.470	10.624
#1	-.00005	.48319	.01353	6.9393	.34099	.00002	-.00093	226.34	.00015	.00088
#2	-.00038	.48473	.01194	6.9263	.33840	-.00012	-.00051	225.53	.00043	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**.00238**	**26.396**	**81.687**	**.00508**	**64.805**	**1.2840**	**.00055**	**233.27**	**.00232**
Stddev	.00014	.00011	.035	.374	.00152	.317	.0038	.00003	.85	.00024
%RSD	2.8477	4.7194	.13288	.45814	29.874	.48989	.29886	4.6737	.36515	10.559
#1	.00485	.00246	26.421	81.951	.00616	65.030	1.2867	.00057	233.87	.00249
#2	.00505	.00230	26.371	81.422	.00401	64.581	1.2813	.00053	232.67	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26434**	**.00007**	**31.020**	**-.00177**	**-.00183**	**2.9338**	**6.2784**	**.00084**	**1.7325**	**-.00178**
Stddev	.00200	.00100	.081	.00294	.00129	.0138	.0295	.00032	.0050	.00069
%RSD	.75762	1342.9	.26250	166.64	70.490	.46940	.46940	37.951	.28558	38.711
#1	.26293	-.00063	31.078	.00032	-.00092	2.9436	6.2992	.00106	1.7360	-.00129
#2	.26576	.00078	30.963	-.00385	-.00275	2.9241	6.2575	.00061	1.7290	-.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00659**	**.00198**	**.02723**	**.00210**	**.00057**	**.00691**
Stddev	.00116	.00033	.04457	.00025	.00058	.00143
%RSD	17.678	16.922	163.68	12.049	102.01	20.688
#1	.00741	.00222	-.00429	.00193	.00099	.00792
#2	.00576	.00174	.05875	.00228	.00016	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8044.0**	**107300.**	**6760.9**
Stddev	14.1	334.	37.0
%RSD	.17521	.31108	.54653
#1	8053.9	107070.	6734.8
#2	8034.0	107540.	6787.0

Sample Name: 280-48718-g-1-c Acquired: 11/12/2013 1:56:51 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.56878**	**.00227**	**.37341**	**.10457**	**.00002**	**-.00280**	**39.042**	**.00019**	**.00183**
Stddev	.00044	.00029	.00188	.00224	.00051	.00002	.00374	.055	.00020	.00016
%RSD	58.407	.05140	82.652	.60106	.49126	124.29	133.54	.14030	103.35	8.6591
#1	.00107	.56899	.00095	.37500	.10493	.00000	-.00016	39.003	.00005	.00195
#2	.00044	.56858	.00360	.37183	.10421	.00003	-.00545	39.080	.00033	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00314**	**1.1871**	**3.3169**	**.00290**	**22.227**	**1.4880**	**.00103**	**32.540**	**.00386**
Stddev	.00001	.00037	.0115	.0907	.00004	.053	.0008	.00000	.618	.00003
%RSD	1.1411	11.939	.96565	2.7342	1.5202	.23666	.05673	.03657	1.9002	.65437
#1	.00068	.00287	1.1952	3.3810	.00293	22.190	1.4874	.00103	32.978	.00388
#2	.00067	.00340	1.1790	3.2528	.00287	22.264	1.4886	.00103	32.103	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23915**	**-.00090**	**5.0035**	**-.00409**	**-.00093**	**6.3618**	**13.614**	**-.00013**	**.21159**	**.00061**
Stddev	.00353	.00030	.0120	.00121	.00323	.0687	.147	.00010	.00089	.00176
%RSD	1.4769	33.683	.24004	29.654	348.20	1.0797	1.0797	78.984	.41837	287.42
#1	.24165	-.00112	5.0120	-.00323	.00136	6.4104	13.718	-.00006	.21097	.00186
#2	.23665	-.00069	4.9950	-.00494	-.00321	6.3132	13.510	-.00020	.21222	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02946**	**-.00062**	**-.01610**	**.00680**	**.00650**	**.00363**
Stddev	.00037	.00010	.00918	.00003	.00032	.00124
%RSD	1.2554	15.483	57.002	.45131	4.9237	34.193
#1	.02972	-.00055	-.02258	.00677	.00627	.00275
#2	.02920	-.00069	-.00961	.00682	.00672	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.2**	**110730.**	**6669.1**
Stddev	26.2	123.	4.7
%RSD	.31554	.11134	.07079
#1	8271.7	110650.	6672.4
#2	8308.7	110820.	6665.7

Sample Name: 280-48718-g-2-c Acquired: 11/12/2013 1:59:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.01537**	**.00203**	**.00796**	**-.00003**	**.00003**	**.00065**	**.04336**	**.00007**	**.00024**
Stddev	.00017	.00000	.00090	.00070	.00015	.00001	.00081	.00187	.00004	.00005
%RSD	21.740	.01746	44.253	8.8100	480.32	47.881	124.34	4.3075	51.322	22.351
#1	.00092	.01537	.00267	.00846	.00008	.00003	.00122	.04204	.00010	.00028
#2	.00068	.01537	.00140	.00747	-.00014	.00002	.00008	.04468	.00005	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00113**	**.00715**	**.05115**	**-.00174**	**.01041**	**.00064**	**-.00012**	**.10183**	**.00052**
Stddev	.00010	.00016	.00207	.00265	.00084	.00106	.00001	.00019	.00951	.00032
%RSD	50.137	13.801	28.914	5.1846	48.284	10.154	1.1295	153.61	9.3389	62.270
#1	.00012	.00102	.00861	.04927	-.00115	.01116	.00064	-.00026	.10855	.00029
#2	.00026	.00124	.00569	.05302	-.00234	.00966	.00065	.00001	.09510	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00010**	**.02411**	**-.00122**	**.00123**	**.12183**	**.26072**	**.00031**	**.00015**	**-.00072**
Stddev	.00061	.00116	.00020	.00172	.00018	.00971	.02079	.00041	.00004	.00206
%RSD	84.702	1143.7	.81873	141.02	14.290	7.9728	7.9728	132.18	27.492	287.05
#1	.00029	.00092	.02425	-.00244	.00135	.11496	.24602	.00002	.00012	-.00218
#2	.00115	-.00072	.02397	.00000	.00110	.12870	.27541	.00060	.00017	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00064**	**.00458**	**.00026**	**.00419**	**.00277**
Stddev	.00020	.00085	.01011	.00010	.00008	.00176
%RSD	58.237	133.63	220.73	39.232	1.8068	63.777
#1	-.00048	-.00124	.01172	.00034	.00425	.00152
#2	-.00020	-.00004	-.00257	.00019	.00414	.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8495.2**	**115060.**	**6637.4**
Stddev	27.5	591.	94.2
%RSD	.32426	.51398	1.4190
#1	8475.7	114650.	6570.8
#2	8514.7	115480.	6704.0

Sample Name: 280-48718-g-3-c Acquired: 11/12/2013 2:01:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.14247**	**.00247**	**.01413**	**.01462**	**-.00007**	**.00040**	**11.644**	**.00011**	**.00020**
Stddev	.00068	.00047	.00038	.00068	.00011	.00008	.00160	.030	.00011	.00018
%RSD	101.60	.32972	15.502	4.8426	.77694	116.35	394.30	.25946	99.049	93.780
#1	.00115	.14280	.00274	.01364	.01470	-.00012	-.00072	11.622	.00003	.00007
#2	.00019	.14213	.00220	.01461	.01454	-.00001	.00153	11.665	.00019	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00169**	**.53444**	**1.3339**	**.00174**	**4.3603**	**.06422**	**.00000**	**6.4872**	**.00076**
Stddev	.00001	.00061	.00419	.0578	.00209	.0067	.00019	.0002	.0193	.00035
%RSD	2.8432	36.055	.78380	4.3336	120.29	.15486	.30003	5355.4	.29732	45.184
#1	.00030	.00126	.53148	1.2931	.00026	4.3555	.06409	-.00012	6.5009	.00101
#2	.00029	.00212	.53741	1.3748	.00322	4.3650	.06436	.00011	6.4736	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07866**	**-.00111**	**1.3111**	**-.00118**	**-.00157**	**10.065**	**21.539**	**.00036**	**.05686**	**-.00178**
Stddev	.00120	.00056	.0083	.00011	.00288	.054	.116	.00129	.00064	.00039
%RSD	1.5193	50.562	.62976	9.1838	183.47	.53793	.53793	353.66	1.1237	21.710
#1	.07950	-.00071	1.3170	-.00126	.00047	10.027	21.457	-.00055	.05641	-.00151
#2	.07781	-.00151	1.3053	-.00111	-.00360	10.103	21.621	.00128	.05731	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00962**	**.00014**	**-.00136**	**.00201**	**.00365**	**.00406**
Stddev	.00023	.00053	.02697	.00007	.00006	.00058
%RSD	2.4292	366.69	1985.8	3.2486	1.7748	14.305
#1	.00946	-.00023	-.02043	.00205	.00369	.00365
#2	.00979	.00052	.01771	.00196	.00360	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8427.4**	**113610.**	**6520.9**
Stddev	2.5	799.	23.9
%RSD	.03004	.70297	.36585
#1	8429.2	114170.	6504.1
#2	8425.6	113040.	6537.8

Sample Name: 280-48718-g-4-c Acquired: 11/12/2013 2:03:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.25617**	**.00051**	**.01438**	**.01831**	**-.00003**	**-.00220**	**15.016**	**.00012**	**.00021**
Stddev	.00020	.00012	.00063	.00026	.00005	.00007	.00247	.029	.00001	.00008
%RSD	53.983	.04728	124.48	1.7834	.28146	212.37	112.12	.19528	5.2488	36.492
#1	.00023	.25626	.00095	.01456	.01827	.00002	-.00395	14.996	.00012	.00015
#2	.00052	.25609	.00006	.01420	.01835	-.00008	-.00046	15.037	.00013	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00171**	**.75027**	**1.6742**	**-.00070**	**5.9604**	**.11056**	**.00011**	**7.9641**	**.00072**
Stddev	.00008	.00040	.00240	.0121	.00105	.0020	.00029	.00005	.0219	.00002
%RSD	16.339	23.490	.31936	.72284	150.89	.03362	.26164	46.950	.27552	3.1171
#1	.00055	.00200	.74857	1.6828	-.00144	5.9618	.11035	.00007	7.9486	.00071
#2	.00043	.00143	.75196	1.6657	.00005	5.9590	.11076	.00014	7.9796	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13052**	**-.00025**	**1.5473**	**-.00230**	**.00022**	**12.808**	**27.409**	**.00011**	**.06489**	**.00000**
Stddev	.00269	.00174	.0076	.00190	.00108	.031	.067	.00035	.00003	.0025
%RSD	2.0648	686.97	.48996	82.685	500.95	.24389	.24389	306.74	.04218	54585.
#1	.13242	-.00148	1.5527	-.00095	.00098	12.786	27.362	-.00013	.06487	-.00175
#2	.12861	.00097	1.5420	-.00364	-.00055	12.830	27.456	.00036	.06491	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01251**	**.00059**	**-.00781**	**.00279**	**.00596**	**.00269**
Stddev	.00002	.00089	.02040	.00016	.00023	.00091
%RSD	.15811	151.67	261.21	5.8481	3.8812	33.811
#1	.01253	-.00004	-.02224	.00268	.00579	.00205
#2	.01250	.00122	.00662	.00291	.00612	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.4**	**112290.**	**6529.8**
Stddev	25.3	420.	2.6
%RSD	.30130	.37417	.03969
#1	8368.5	112590.	6527.9
#2	8404.2	112000.	6531.6

Sample Name: 280-48718-g-5-c Acquired: 11/12/2013 2:06:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.13574**	**.00411**	**.01098**	**.01365**	**-.00007**	**-.00329**	**10.774**	**.00012**	**.00031**
Stddev	.00002	.00006	.00116	.00007	.00029	.00008	.00053	.029	.00005	.00004
%RSD	49.449	.04060	28.286	.60436	2.1308	101.73	16.046	.26548	40.267	11.541
#1	.00003	.13578	.00493	.01102	.01344	-.00013	-.00292	10.795	.00008	.00029
#2	.00006	.13571	.00329	.01093	.01386	-.00002	-.00366	10.754	.00015	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00164**	**.47229**	**1.2600**	**.00137**	**3.7734**	**.04365**	**.00025**	**6.1856**	**.00083**
Stddev	.00003	.00015	.00550	.0183	.00198	.0157	.00009	.00002	.0014	.00002
%RSD	8.4151	9.1440	1.1644	1.4526	144.39	.41703	.20341	6.4969	.02247	2.3791
#1	.00036	.00175	.47618	1.2729	-.00003	3.7845	.04358	.00024	6.1846	.00085
#2	.00032	.00154	.46840	1.2470	.00277	3.7623	.04371	.00026	6.1866	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04948**	**-.00087**	**1.2771**	**-.00128**	**.00065**	**9.3859**	**20.086**	**.00020**	**.05849**	**-.00072**
Stddev	.00086	.00048	.0026	.00132	.00136	.0929	.199	.00023	.00009	.00157
%RSD	1.7464	55.678	.20350	103.10	208.49	.98999	.98999	111.95	.16212	218.44
#1	.04887	-.00053	1.2789	-.00035	-.00031	9.4516	20.226	.00004	.05856	-.00183
#2	.05009	-.00121	1.2753	-.00221	.00161	9.3201	19.945	.00037	.05842	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00840**	**.00010**	**.01754**	**.00206**	**.00479**	**.00110**
Stddev	.00026	.00024	.00406	.00022	.00038	.00117
%RSD	3.1340	255.03	23.166	10.723	7.9404	105.92
#1	.00821	-.00008	.02041	.00191	.00506	.00193
#2	.00858	.00027	.01466	.00222	.00452	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8407.2**	**113270.**	**6546.8**
Stddev	39.4	401.	11.0
%RSD	.46858	.35429	.16830
#1	8379.3	112990.	6554.6
#2	8435.0	113560.	6539.1

Sample Name: 280-48718-g-5-cSD@5 Acquired: 11/12/2013 2:08:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.03360**	**.00138**	**.00400**	**.00299**	**-.00008**	**.00023**	**2.1598**	**-.00001**	**.00034**
Stddev	.00025	.00010	.00062	.00084	.00007	.00008	.00312	.0080	.00009	.00015
%RSD	55.655	.29340	44.905	20.982	2.4391	103.22	1335.0	.36909	1032.0	44.126
#1	.00027	.03367	.00094	.00460	.00304	-.00002	-.00197	2.1654	.00005	.00024
#2	.00061	.03353	.00182	.00341	.00294	-.00013	.00244	2.1541	-.00007	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00038**	**.10768**	**.21337**	**-.00350**	**.76332**	**.00900**	**-.00010**	**1.2353**	**.00068**
Stddev	.00007	.00024	.00108	.02212	.00289	.00275	.00002	.00030	.0040	.00016
%RSD	2890.4	61.876	1.0037	10.368	82.429	.36046	.17975	288.62	.32657	24.275
#1	-.00005	.00021	.10844	.19772	-.00146	.76527	.00899	.00011	1.2381	.00079
#2	.00006	.00055	.10691	.22901	-.00555	.76138	.00901	-.00032	1.2324	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00602**	**.00009**	**.24888**	**-.00465**	**.00037**	**1.8583**	**3.9768**	**.00222**	**.01162**	**-.00060**
Stddev	.00083	.00004	.00196	.00361	.00309	.0135	.0289	.00036	.00016	.00045
%RSD	13.728	43.807	.78874	77.542	845.30	.72608	.72608	16.002	1.3413	75.220
#1	.00660	.00012	.25027	-.00721	-.00182	1.8678	3.9972	.00247	.01173	-.00028
#2	.00543	.00006	.24749	-.00210	.00255	1.8488	3.9563	.00197	.01151	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**-.00062**	**.01674**	**.00066**	**.00679**	**.00337**
Stddev	.00009	.00002	.02921	.00009	.00024	.00203
%RSD	6.7704	3.4889	174.43	13.595	3.5016	60.210
#1	.00125	-.00063	-.00391	.00072	.00662	.00481
#2	.00138	-.00060	.03740	.00059	.00695	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8359.2**	**112350.**	**6440.3**
Stddev	16.8	657.	7.9
%RSD	.20076	.58473	.12224
#1	8371.0	112820.	6434.7
#2	8347.3	111890.	6445.9

Sample Name: 280-48718-g-5-d ms Acquired: 11/12/2013 2:10:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04988**	**2.1539**	**.97652**	**.99581**	**1.9942**	**.04727**	F **2.2088**	**57.424**	**.10348**	**.47833**
Stddev	.00055	.0001	.00695	.00219	.0004	.00020	.0057	.207	.00026	.00090
%RSD	1.1046	.00345	.71182	.21964	.01894	.43290	.25897	.36025	.25282	.18764
#1	.05027	2.1539	.97160	.99427	1.9945	.04712	2.2047	57.278	.10366	.47770
#2	.04949	2.1540	.98143	.99736	1.9939	.04741	2.2128	57.570	.10329	.47897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19889**	**.25311**	**1.4099**	**52.311**	**.98289**	**52.194**	**.51974**	**.99774**	**58.316**	**.48542**
Stddev	.00041	.00003	.0025	.219	.00096	.176	.00007	.00060	.929	.00060
%RSD	.20471	.01308	.17716	.41796	.09782	.33797	.01442	.06048	1.5937	.12423
#1	.19860	.25313	1.4081	52.157	.98221	52.319	.51969	.99732	57.658	.48584
#2	.19918	.25309	1.4116	52.466	.98356	52.070	.51979	.99817	58.973	.48499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.013**	**.48079**	**1.1673**	**.47915**	**1.9473**	**18.778**	**40.185**	**1.9770**	**1.0358**	**.96997**
Stddev	.004	.00010	.0024	.00353	.0193	.108	.231	.0110	.0001	.00081
%RSD	.03663	.02123	.20430	.73707	.99353	.57486	.57486	.55764	.01345	.08341
#1	10.011	.48086	1.1656	.47666	1.9336	18.702	40.022	1.9692	1.0357	.96940
#2	10.016	.48071	1.1689	.48165	1.9610	18.855	40.349	1.9848	1.0359	.97054
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98123**	**1.9014**	**2.0816**	**.49616**	**.49321**	**.49734**
Stddev	.00055	.0122	.0258	.00142	.00109	.00386
%RSD	.05609	.64234	1.2383	.28603	.22125	.77555
#1	.98162	1.8928	2.0634	.49717	.49398	.49462
#2	.98084	1.9100	2.0998	.49516	.49244	.50007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8039.4**	**106820.**	**6423.3**
Stddev	12.6	566.	23.5
%RSD	.15648	.52999	.36597
#1	8030.5	106420.	6440.0
#2	8048.3	107220.	6406.7

Sample Name: 280-48718-g-5-e msd Acquired: 11/12/2013 2:12:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05097**	**2.1985**	**1.0041**	**1.0288**	**2.0478**	**.04873**	F **2.2699**	**59.170**	**.10641**	**.49100**
Stddev	.00039	.0014	.0052	.0006	.0029	.00016	.0025	.230	.00001	.00004
%RSD	.76548	.06249	.52041	.05626	.14406	.33327	.11179	.38818	.01193	.00780
#1	.05125	2.1975	1.0078	1.0292	2.0499	.04861	2.2681	59.332	.10642	.49098
#2	.05070	2.1995	1.0004	1.0284	2.0457	.04884	2.2717	59.008	.10640	.49103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20415**	**.26023**	**1.4431**	**53.830**	**1.0119**	**53.792**	**.53527**	**1.0278**	**60.389**	**.49774**
Stddev	.00017	.00105	.0115	.185	.0032	.060	.00243	.0009	.430	.00013
%RSD	.08155	.40174	.79584	.34324	.31804	.11123	.45437	.08521	.71286	.02639
#1	.20427	.26097	1.4350	53.961	1.0142	53.834	.53699	1.0284	60.085	.49765
#2	.20404	.25949	1.4513	53.699	1.0096	53.750	.53355	1.0272	60.694	.49783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.269**	**.49201**	**1.2270**	**.49015**	**1.9928**	**19.695**	**42.147**	W **2.0311**	**1.0646**	**.99742**
Stddev	.015	.00029	.0009	.00173	.0034	.050	.108	.0003	.0011	.00293
%RSD	.14706	.05944	.07320	.35339	.16961	.25638	.25638	.01417	.10544	.29422
#1	10.258	.49221	1.2264	.49137	1.9952	19.659	42.070	2.0309	1.0654	.99949
#2	10.279	.49180	1.2277	.48892	1.9904	19.730	42.223	2.0313	1.0638	.99534
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0126**	**1.9392**	**2.1655**	**.50992**	**.50628**	**.51518**
Stddev	.0040	.0022	.0391	.00119	.00077	.00121
%RSD	.39646	.11130	1.8070	.23349	.15191	.23464
#1	1.0154	1.9376	2.1932	.50908	.50682	.51433
#2	1.0097	1.9407	2.1378	.51076	.50574	.51603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8024.0**	**106880.**	**6344.8**
Stddev	5.1	251.	84.0
%RSD	.06304	.23446	1.3246
#1	8027.6	106700.	6285.4
#2	8020.4	107060.	6404.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 2:15:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**51.361**	**-.00025**	**.00370**	**.00030**	**-.00008**	W **1.0900**	**.02785**	**-.00034**	**-.00037**	**.00002**	**.01243**
Stddev	.00024	.195	.00402	.00029	.00024	.00015	.0097	.00314	.00000	.00018	.00028	.00015
%RSD	3.1162	.38003	1612.7	7.7289	81.462	195.10	.89072	11.271	1.2426	47.909	1115.9	1.1739
#1	.00743	51.499	.00260	.00350	.00047	.00003	1.0969	.02563	-.00034	-.00024	.00022	.01253
#2	.00776	51.223	-.00309	.00390	.00013	-.00019	1.0831	.03007	-.00034	-.00049	-.00017	.01233
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.038**	**.07124**	**-.00287**	**.09101**	**.00085**	**.00038**	**269.10**	**.00003**	**-.00084**	**-.00031**	**5.1688**	**-.00293**
Stddev	.227	.02696	.00011	.00183	.00003	.00012	.42	.00029	.00076	.00010	.0557	.00073
%RSD	.45328	37.843	3.8226	2.0061	2.9807	30.361	.15486	1026.3	90.785	33.307	1.0776	24.969
#1	49.878	.09031	-.00295	.08972	.00087	.00030	268.80	.00024	-.00030	-.00024	5.2081	-.00345
#2	50.198	.05218	-.00280	.09230	.00083	.00046	269.39	-.00018	-.00137	-.00039	5.1294	-.00241
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00469**	**.01936**	**.04142**	**-.00005**	**.00046**	**5.0374**	**-.01267**	**.00206**	F **6.3767**	**.00152**	**.00149**	**.06097**
Stddev	.00113	.00040	.00087	.00113	.00008	.0032	.00009	.00052	.0253	.00051	.00030	.00126
%RSD	24.118	2.0921	2.0921	2196.1	17.300	.06318	.73025	25.111	.39733	33.317	20.178	2.0621
#1	-.00389	.01964	.04203	-.00085	.00041	5.0397	-.01274	.00169	6.3946	.00188	.00128	.06008
#2	-.00549	.01907	.04081	.00075	.00052	5.0351	-.01261	.00242	6.3588	.00116	.00170	.06186
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.0**	**108030.**	**6557.2**
Stddev	14.4	779.	3.2
%RSD	.17543	.72130	.04880
#1	8199.2	108580.	6559.4
#2	8178.8	107480.	6554.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 2:17:29 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51320**	**.54680**	**1.0229**	**.51942**	**.51379**	**.49490**	**-.00439**	**5.0969**	**.51753**	**.51636**	**.51842**	**.51759**	**2.4599**
Stddev	.00060	.00084	.0021	.00329	.00008	.00061	.00036	.0060	.00156	.00204	.00238	.00068	.0061
%RSD	.11657	.15289	.20143	.63361	.01548	.12260	8.2310	.11827	.30193	.39470	.45904	.13080	.24707
#1	.51363	.54621	1.0215	.51710	.51374	.49533	-.00464	5.0926	.51642	.51492	.51673	.51807	2.4642
#2	.51278	.54739	1.0244	.52175	.51385	.49447	-.00413	5.1012	.51863	.51780	.52010	.51711	2.4556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.554**	**1.0179**	**20.385**	**.50479**	**.52324**	**5.2767**	**.52204**	**1.0330**	**1.0536**	**.00507**	**1.0340**	**1.0363**	**4.9431**
Stddev	.009	.0017	.029	.00088	.00041	.0149	.00208	.0034	.0010	.00056	.0019	.0034	.0410
%RSD	.01792	.16283	.14028	.17338	.07783	.28168	.39781	.32514	.09116	11.133	.18021	.32568	.82921
#1	52.561	1.0167	20.365	.50417	.52352	5.2873	.52058	1.0353	1.0543	.00467	1.0327	1.0339	4.9141
#2	52.548	1.0191	20.406	.50541	.52295	5.2662	.52351	1.0306	1.0530	.00547	1.0353	1.0386	4.9720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.578**	**1.0480**	**.50947**	**-.00384**	**.50127**	**1.0555**	**.01124**	**.50840**	**.51735**	**.50456**
Stddev	.088	.0023	.00045	.00109	.00062	.0005	.01335	.00040	.00000	.00519
%RSD	.82921	.21906	.08798	28.401	.12433	.04502	118.79	.07853	.00077	1.0279
#1	10.516	1.0463	.50979	-.00462	.50083	1.0558	.00180	.50868	.51736	.50089
#2	10.640	1.0496	.50916	-.00307	.50172	1.0551	.02068	.50811	.51735	.50822
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8288.2**	**111310.**	**6566.5**
Stddev	19.2	129.	29.9
%RSD	.23215	.11605	.45468
#1	8301.8	111400.	6587.6
#2	8274.6	111220.	6545.3

Sample Name: CCB Acquired: 11/12/2013 2:19:37 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00326**	**.00153**	**.00189**	**-.00022**	**.00008**	**-.00119**	**.00477**	**.00013**	**.00020**	**.00004**	**-.00008**
Stddev	.00072	.00039	.00022	.00010	.00011	.00005	.00008	.00183	.00019	.00003	.00003	.00011
%RSD	129.83	12.056	14.378	5.4035	51.945	64.912	6.8721	38.382	143.51	14.826	66.116	134.18
#1	.00005	-.00298	.00138	.00182	-.00030	.00011	-.00125	.00347	.00027	.00018	.00006	.00000
#2	.00106	-.00353	.00169	.00196	-.00014	.00004	-.00113	.00606	.00000	.00022	.00002	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.01898**	**-.00232**	**.00188**	**.00014**	**.00037**	**-.00952**	**.00045**	**-.00527**	**.00047**	**.01116**	W **.00470**
Stddev	.00153	.01817	.00139	.00113	.00002	.00013	.01867	.00005	.00036	.00050	.00357	.00034
%RSD	129.13	95.741	59.900	60.232	12.202	36.063	196.13	10.914	6.9210	105.64	31.991	7.2446
#1	-.00226	.03183	-.00331	.00108	.00013	.00047	.00368	.00042	-.00501	.00012	.00863	.00446
#2	-.00010	.00613	-.00134	.00268	.00015	.00028	-.02272	.00049	-.00552	.00082	.01368	.00494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00890**	**.01905**	**.00041**	**.00013**	**-.00103**	**-.00032**	**-.00060**	**.03877**	**.00071**	**.00310**	**.00065**
Stddev	.00079	.00872	.01866	.00022	.00009	.00159	.00025	.00059	.01264	.00013	.00020	.00122
%RSD	62.675	97.933	97.933	54.945	72.927	154.18	78.388	98.154	32.614	17.995	6.5672	188.60
#1	.00071	.01507	.03225	.00025	.00020	.00009	-.00014	-.00102	.04771	.00062	.00324	-.00022
#2	.00183	.00274	.00586	.00056	.00006	-.00216	-.00049	-.00018	.02983	.00080	.00296	.00151
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8343.4**	**112760.**	**6461.7**
Stddev	19.2	677.	23.4
%RSD	.22982	.60025	.36189
#1	8329.8	113240.	6445.1
#2	8356.9	112280.	6478.2

Sample Name: CCVL2372865 Acquired: 11/12/2013 2:21:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01103**	**.11139**	**.01568**	**.10351**	**.01030**	**.00099**	**.12654**	**.22150**	**.00538**	**.01089**	**.01052**	**.01561**	**.10256**
Stddev	.00062	.00031	.00223	.00010	.00048	.00006	.00124	.00185	.00001	.00007	.00014	.00014	.00497
%RSD	5.5914	.28158	14.200	.09287	4.6444	6.1899	.98267	.83717	.10516	.67201	1.2942	.88481	4.8463
#1	.01147	.11116	.01411	.10358	.00996	.00094	.12742	.22019	.00538	.01094	.01042	.01551	.10607
#2	.01059	.11161	.01726	.10344	.01064	.00103	.12566	.22281	.00537	.01083	.01062	.01571	.09904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1551**	F **.00685**	**.21325**	**.01043**	**.02069**	**1.0725**	**.04296**	**3.0293**	**.00887**	**.01117**	**.00960**	**.01470**	**.49327**
Stddev	.0015	.00294	.00407	.00008	.00014	.0213	.00001	.0043	.00003	.00272	.00024	.00060	.01011
%RSD	.04865	42.989	1.9080	.78769	.69282	1.9824	.01478	.14313	.28199	24.329	2.4644	4.0555	2.0499
#1	3.1561	.00893	.21037	.01049	.02059	1.0575	.04296	3.0262	.00885	.01309	.00943	.01512	.48612
#2	3.1540	.00477	.21613	.01037	.02079	1.0876	.04297	3.0323	.00889	.00924	.00976	.01428	.50042
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0556**	**.10684**	**.01029**	**.01598**	**.00932**	**.01617**	**.06164**	**.01042**	**.02568**	**.01641**
Stddev	.0216	.00095	.00014	.00081	.00029	.00092	.01281	.00045	.00007	.00170
%RSD	2.0499	.89241	1.3602	5.0916	3.1317	5.6724	20.788	4.3384	.27278	10.357
#1	1.0403	.10751	.01019	.01655	.00912	.01552	.05258	.01074	.02563	.01521
#2	1.0709	.10616	.01039	.01540	.00953	.01682	.07070	.01010	.02573	.01761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8393.5**	**113100.**	**6476.7**
Stddev	18.0	187.	29.3
%RSD	.21420	.16499	.45229
#1	8406.2	113240.	6456.0
#2	8380.8	112970.	6497.4

Sample Name: mb 280-200232/1-a Acquired: 11/12/2013 2:24:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00290**	**-.00043**	**.00123**	**-.00043**	**-.00004**	**-.00008**	**.01396**	**.00008**	**.00026**
Stddev	.00032	.00015	.00069	.00040	.00008	.00008	.00017	.00216	.00008	.00001
%RSD	50.251	5.2840	160.46	32.745	18.598	211.41	203.35	15.468	104.01	3.0263
#1	.00087	-.00279	-.00092	.00152	-.00038	.00002	-.00020	.01243	.00002	.00026
#2	.00041	-.00301	.00006	.00095	-.00049	-.00009	.00004	.01549	.00014	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00001**	**-.00089**	**-.01568**	**-.00172**	**.00098**	**.00015**	**-.00016**	**-.01599**	**.00035**
Stddev	.00009	.00003	.00026	.00898	.00014	.00252	.00000	.00010	.00130	.00002
%RSD	132.10	258.44	29.020	57.303	7.9126	257.02	2.0003	61.710	8.1201	4.5025
#1	.00013	-.00004	-.00107	-.02203	-.00181	-.00080	.00015	-.00009	-.01691	.00036
#2	.00000	.00001	-.00070	-.00932	-.00162	.00276	.00015	-.00023	-.01507	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00258**	**-.00047**	F **.01119**	**-.00204**	**-.00244**	**.00913**	**.01954**	**.00051**	**.00009**	W **.00076**
Stddev	.00007	.00026	.00103	.00127	.00270	.00271	.00580	.00021	.00001	.00174
%RSD	2.7304	54.675	9.2253	62.481	110.90	29.668	29.668	41.633	7.6055	229.86
#1	-.00263	-.00065	.01192	-.00294	-.00053	.01104	.02363	.00036	.00009	.00199
#2	-.00253	-.00029	.01046	-.00114	-.00435	.00721	.01544	.00065	.00008	-.00047
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**-.00059**	**.01305**	**.00041**	W **.00521**	**-.00009**
Stddev	.00035	.00086	.07263	.00014	.00028	.00112
%RSD	76.622	147.08	556.54	33.707	5.4395	1186.1
#1	-.00070	-.00119	-.03830	.00051	.00501	.00070
#2	-.00021	.00002	.06440	.00032	.00541	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8457.2**	**114870.**	**6547.2**
Stddev	21.9	87.	22.3
%RSD	.25944	.07597	.33986
#1	8472.7	114930.	6563.0
#2	8441.7	114810.	6531.5

Sample Name: lcs 280-200232/2-a Acquired: 11/12/2013 2:26:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05276**	**2.0524**	**1.0208**	**1.0407**	**2.0913**	**.05037**	**2.3396**	**49.711**	**.10950**	**.50397**
Stddev	.00006	.0049	.0002	.0008	.0007	.00011	.0019	.122	.00001	.00059
%RSD	.10443	.23859	.02149	.08140	.03393	.21771	.08284	.24453	.00988	.11777
#1	.05272	2.0559	1.0207	1.0413	2.0919	.05029	2.3382	49.625	.10951	.50439
#2	.05280	2.0490	1.0210	1.0401	2.0908	.05044	2.3410	49.797	.10949	.50355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20820**	**.26595**	**.98690**	**53.520**	**1.0316**	**50.826**	**.50345**	**1.0415**	**55.573**	**.50957**
Stddev	.00025	.00003	.00747	.186	.0004	.113	.00106	.0010	.178	.00034
%RSD	.12194	.01125	.75665	.34800	.04186	.22139	.20959	.09128	.32054	.06589
#1	.20838	.26597	.98162	53.652	1.0313	50.905	.50419	1.0422	55.447	.50933
#2	.20802	.26593	.99218	53.388	1.0319	50.746	.50270	1.0408	55.699	.50980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.504**	**.50617**	**.00048**	**.50346**	**2.0507**	**10.018**	**21.438**	**2.0556**	**1.0342**	**1.0310**
Stddev	.016	.00189	.00206	.00264	.0070	.018	.039	.0060	.0001	.0042
%RSD	.15347	.37279	431.54	.52354	.34387	.18346	.18346	.29003	.00609	.40772
#1	10.515	.50751	-.00098	.50159	2.0457	10.005	21.410	2.0514	1.0342	1.0340
#2	10.492	.50484	.00193	.50532	2.0557	10.031	21.466	2.0599	1.0343	1.0281
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0166**	**2.0020**	**2.1921**	**.51641**	**.50816**	**.52683**
Stddev	.0003	.0083	.0361	.00112	.00290	.00195
%RSD	.02979	.41198	1.6487	.21747	.57085	.36929
#1	1.0164	1.9962	2.2177	.51562	.50611	.52546
#2	1.0168	2.0078	2.1666	.51721	.51021	.52821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8174.9**	**109430.**	**6590.2**
Stddev	6.3	268.	27.2
%RSD	.07722	.24510	.41267
#1	8170.4	109620.	6571.0
#2	8179.3	109240.	6609.4

Sample Name: 280-48963-c-2-a Acquired: 11/12/2013 2:28:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**3.3199**	**.00247**	**.01541**	**.05547**	**.00015**	**-.00469**	**29.331**	**.00045**	**.00166**
Stddev	.00033	.0146	.00278	.00079	.00003	.00010	.00062	.097	.00005	.00017
%RSD	150.96	.43915	112.20	5.1063	.04995	67.202	13.277	.32923	11.675	10.465
#1	-.00001	3.3096	.00444	.01597	.05545	.00022	-.00425	29.263	.00041	.00178
#2	.00045	3.3302	.00051	.01486	.05549	.00008	-.00513	29.399	.00048	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**.02876**	**3.4917**	**2.6942**	**.00781**	**6.9742**	**.22910**	**.00706**	**18.900**	**.00569**
Stddev	.00002	.00015	.0127	.0055	.00304	.0004	.00033	.00000	.088	.00000
%RSD	.66069	.52116	.36288	.20548	38.864	.00498	.14415	.00005	.46390	.08477
#1	.00317	.02887	3.5006	2.6981	.00566	6.9744	.22887	.00706	18.838	.00570
#2	.00314	.02865	3.4827	2.6903	.00996	6.9739	.22933	.00706	18.962	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05558**	**.01662**	**15.328**	**-.00123**	**.00156**	**9.6115**	**20.569**	**.00168**	**.20021**	**.00205**
Stddev	.00066	.00046	.031	.00076	.00007	.0890	.190	.00093	.00051	.00285
%RSD	1.1917	2.7680	.19993	61.653	4.6439	.92606	.92606	55.549	.25669	139.45
#1	.05511	.01630	15.306	-.00176	.00151	9.6744	20.703	.00102	.20057	.00406
#2	.05605	.01695	15.350	-.00069	.00162	9.5485	20.434	.00234	.19985	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08431**	**.00140**	**-.00797**	**.00560**	**.04433**	**.00518**
Stddev	.00037	.00054	.01460	.00020	.00010	.00022
%RSD	.44208	38.853	183.12	3.6176	.21847	4.1580
#1	.08405	.00178	-.01830	.00574	.04440	.00533
#2	.08458	.00101	.00235	.00546	.04426	.00502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8487.0**	**113300.**	**6739.2**
Stddev	29.5	108.	14.8
%RSD	.34814	.09513	.21905
#1	8466.1	113370.	6749.7
#2	8507.9	113220.	6728.8

Sample Name: 280-48963-c-2-aSD@5 Acquired: 11/12/2013 2:30:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.71826**	**.00080**	**.00408**	**.01177**	**.00002**	**-.00003**	**6.2084**	**.00000**	**.00033**
Stddev	.00038	.00080	.00014	.00041	.00020	.00003	.00082	.0769	.00004	.00015
%RSD	72.660	.11097	17.338	10.141	1.6973	163.04	2691.7	1.2391	853.00	46.107
#1	.00079	.71882	.00071	.00438	.01163	.00004	.00055	6.1540	.00003	.00023
#2	.00026	.71770	.00090	.00379	.01191	.00000	-.00061	6.2628	-.00002	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00620**	**.74856**	**.49847**	**.00210**	**1.4749**	**.04864**	**.00145**	**3.7033**	**.00175**
Stddev	.00007	.00059	.00904	.03586	.00034	.0085	.00012	.00002	.0345	.00005
%RSD	12.181	9.4584	1.2077	7.1941	16.003	.57435	.24516	1.2558	.93129	2.6417
#1	.00064	.00578	.74217	.52383	.00234	1.4809	.04872	.00146	3.6789	.00178
#2	.00054	.00661	.75496	.47311	.00186	1.4689	.04855	.00144	3.7277	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00900**	**.00280**	**3.1638**	**-.00077**	**.00117**	**2.0129**	**4.3076**	**.00211**	**.04282**	**-.00118**
Stddev	.00141	.00162	.0106	.00022	.00069	.0147	.0315	.00011	.00003	.00137
%RSD	15.692	58.060	.33573	28.726	58.477	.73085	.73085	5.0015	.06387	116.27
#1	.01000	.00165	3.1563	-.00093	.00069	2.0233	4.3299	.00203	.04280	-.00021
#2	.00800	.00395	3.1713	-.00061	.00166	2.0025	4.2853	.00218	.04284	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01603**	**-.00017**	**.00652**	**.00143**	**.01475**	**.00401**
Stddev	.00025	.00025	.01493	.00011	.00006	.00154
%RSD	1.5461	145.99	229.07	7.5328	.41091	38.465
#1	.01585	-.00034	.01708	.00135	.01480	.00510
#2	.01620	.00001	-.00404	.00151	.01471	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8571.5**	**115760.**	**6670.3**
Stddev	17.1	728.	26.6
%RSD	.19971	.62913	.39949
#1	8583.6	115250.	6689.1
#2	8559.4	116280.	6651.4

Sample Name: 280-48963-c-2-b ms Acquired: 11/12/2013 2:33:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05144**	**6.5139**	**1.0044**	**1.0222**	**2.1178**	**.04894**	F **2.2672**	**77.410**	**.10683**	**.49170**
Stddev	.00086	.0222	.0004	.0003	.0007	.00027	.0030	.011	.00010	.00064
%RSD	1.6711	.34147	.04141	.03251	.03214	.55757	.13120	.01479	.09097	.13087
#1	.05083	6.5296	1.0041	1.0220	2.1183	.04913	2.2651	77.402	.10689	.49124
#2	.05205	6.4982	1.0047	1.0225	2.1173	.04875	2.2693	77.418	.10676	.49215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20657**	**.28935**	**4.3656**	**55.594**	**1.0263**	**56.598**	**.71828**	**1.0209**	**72.102**	**.50054**
Stddev	.00047	.00037	.0001	.022	.0007	.005	.00130	.0009	.080	.00076
%RSD	.22896	.12842	.00183	.03890	.06383	.00838	.18082	.09083	.11074	.15117
#1	.20624	.28961	4.3655	55.578	1.0258	56.595	.71920	1.0202	72.045	.50107
#2	.20691	.28909	4.3656	55.609	1.0267	56.602	.71736	1.0215	72.158	.50000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.338**	**.50563**	**15.389**	**.49131**	**1.9866**	**20.983**	**44.903**	**1.9923**	**1.2164**	**1.0115**
Stddev	.028	.00032	.008	.00101	.0042	.009	.020	.0054	.0006	.0002
%RSD	.27154	.06265	.05503	.20655	.21231	.04420	.04420	.27217	.04883	.02031
#1	10.318	.50541	15.383	.49203	1.9836	20.976	44.889	1.9884	1.2168	1.0113
#2	10.358	.50586	15.395	.49059	1.9896	20.989	44.917	1.9961	1.2160	1.0116
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0826**	**1.9286**	**2.1701**	**.51591**	**.54053**	**.51156**
Stddev	.0006	.0000	.0279	.00217	.00107	.00216
%RSD	.05991	.00088	1.2834	.42087	.19863	.42230
#1	1.0831	1.9286	2.1898	.51437	.53977	.51308
#2	1.0822	1.9286	2.1504	.51745	.54129	.51003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8181.6**	**108490.**	**6628.8**
Stddev	26.8	268.	68.7
%RSD	.32795	.24740	1.0368
#1	8200.6	108300.	6677.4
#2	8162.7	108680.	6580.2

Sample Name: 280-48963-c-2-c msd Acquired: 11/12/2013 2:35:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**6.3166**	**.98699**	**1.0095**	**2.0731**	**.04825**	F **2.2304**	**75.612**	**.10552**	**.48305**
Stddev	.00130	.0465	.00232	.0037	.0024	.00006	.0126	.172	.00041	.00051
%RSD	2.5329	.73643	.23478	.36259	.11410	.13462	.56560	.22710	.39057	.10660
#1	.05214	6.3495	.98535	1.0069	2.0714	.04821	2.2215	75.734	.10522	.48269
#2	.05030	6.2837	.98863	1.0121	2.0748	.04830	2.2394	75.491	.10581	.48342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20258**	**.28370**	**4.2544**	**54.602**	**1.0063**	**55.522**	**.70062**	**1.0083**	**70.532**	**.49200**
Stddev	.00037	.00112	.0023	.022	.0021	.111	.00032	.0022	.134	.00097
%RSD	.18036	.39348	.05387	.03981	.20857	.19929	.04599	.21542	.19016	.19814
#1	.20232	.28449	4.2560	54.617	1.0078	55.600	.70085	1.0067	70.438	.49131
#2	.20284	.28291	4.2528	54.586	1.0048	55.444	.70039	1.0098	70.627	.49269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.154**	**.49545**	**14.840**	**.48523**	**1.9618**	**20.787**	**44.484**	**1.9694**	**1.1884**	**.99215**
Stddev	.022	.00141	.028	.00056	.0144	.126	.269	.0063	.0008	.00194
%RSD	.21961	.28478	.18823	.11478	.73353	.60546	.60546	.32254	.06903	.19571
#1	10.138	.49445	14.820	.48484	1.9516	20.876	44.675	1.9649	1.1878	.99077
#2	10.170	.49645	14.859	.48562	1.9720	20.698	44.294	1.9739	1.1890	.99352
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0704**	**1.8920**	**2.1181**	**.50496**	**.52870**	**.51204**
Stddev	.0013	.0070	.0183	.00065	.00042	.00411
%RSD	.12169	.37091	.86234	.12875	.08008	.80208
#1	1.0694	1.8870	2.1310	.50542	.52840	.51494
#2	1.0713	1.8969	2.1052	.50450	.52900	.50913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.1**	**109120.**	**6608.3**
Stddev	.5	671.	2.3
%RSD	.00574	.61494	.03528
#1	8194.7	109600.	6606.6
#2	8195.4	108650.	6609.9

Sample Name: 280-48983-f-1-a Acquired: 11/12/2013 2:37:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.21268**	**-.00069**	**.01342**	**.06495**	**-.00002**	**-.00232**	**38.822**	**.00004**	**.00011**
Stddev	.00019	.00123	.00162	.00039	.00049	.00011	.00047	.062	.00000	.00007
%RSD	21.654	.57856	233.70	2.8720	.75962	470.20	20.169	.16094	.10688	62.271
#1	.00074	.21181	-.00184	.01369	.06460	-.00011	-.00265	38.778	.00004	.00016
#2	.00101	.21355	.00045	.01314	.06530	.00006	-.00199	38.866	.00004	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00072**	**.18663**	**1.3873**	**.00813**	**8.1670**	**.01669**	**.00137**	**11.914**	**.00090**
Stddev	.00004	.00020	.00032	.0244	.00397	.0235	.00003	.00003	.088	.00008
%RSD	9.4919	26.902	.17186	1.7552	48.822	.28734	.17841	2.2976	.73650	9.3466
#1	.00043	.00086	.18640	1.4045	.01093	8.1836	.01671	.00139	11.852	.00096
#2	.00049	.00059	.18686	1.3701	.00532	8.1504	.01667	.00134	11.976	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**-.00087**	**16.615**	**-.00159**	**-.00125**	**6.1097**	**13.075**	**.00010**	**.33234**	**.00084**
Stddev	.00017	.00137	.036	.00078	.00271	.0503	.108	.00051	.00117	.00115
%RSD	4.9286	157.00	.21849	49.266	216.25	.82302	.82302	492.11	.35170	136.33
#1	.00350	-.00184	16.641	-.00214	.00066	6.0742	12.999	.00046	.33151	.00003
#2	.00327	.00010	16.590	-.00103	-.00317	6.1453	13.151	-.00026	.33317	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.00111**	**.01856**	**.00115**	**.00293**	**.00386**
Stddev	.00029	.00030	.00480	.00031	.00030	.00003
%RSD	6.1012	27.023	25.870	26.753	10.280	.87395
#1	.00494	.00132	.02196	.00136	.00271	.00388
#2	.00453	.00090	.01517	.00093	.00314	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8424.3**	**113620.**	**6764.4**
Stddev	5.3	371.	19.5
%RSD	.06278	.32622	.28896
#1	8428.1	113360.	6778.3
#2	8420.6	113880.	6750.6

Sample Name: 280-48983-f-1-b ms Acquired: 11/12/2013 2:39:47 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05190**	**2.2154**	W **2.4588**	**1.0058**	**1.0188**	**2.0911**	**.04858**	F **2.2711**	**85.842**	**.10654**
Stddev	.00072	.0074	.0189	.0016	.0016	.0018	.00008	.0034	.041	.00031
%RSD	1.3935	.33356	.76722	.15987	.15422	.08740	.16717	.15182	.04781	.28978
#1	.05241	2.2102	2.4454	1.0069	1.0177	2.0924	.04853	2.2735	85.871	.10676
#2	.05139	2.2207	2.4721	1.0047	1.0199	2.0898	.04864	2.2686	85.813	.10632
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48639**	**.20233**	**.26010**	**1.1479**	**53.430**	**1.0127**	**57.270**	**.50509**	**1.0120**	**65.387**
Stddev	.00066	.00058	.00037	.0038	.057	.0018	.008	.00003	.0018	.501
%RSD	.13508	.28666	.14059	.33386	.10610	.17835	.01379	.00570	.18065	.76609
#1	.48686	.20192	.25985	1.1452	53.390	1.0140	57.264	.50507	1.0133	65.032
#2	.48593	.20274	.26036	1.1506	53.470	1.0115	57.275	.50511	1.0107	65.741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49256**	W **10.315**	**.48545**	**16.735**	**.48947**	**1.9890**	**15.821**	**33.858**	**1.9784**	**1.3298**
Stddev	.00126	.000	.00129	.018	.00108	.0049	.020	.042	.0006	.0000
%RSD	.25574	.00324	.26606	.10694	.22129	.24597	.12532	.12532	.02866	.00161
#1	.49167	10.315	.48454	16.748	.49023	1.9924	15.835	33.888	1.9780	1.3298
#2	.49345	10.315	.48636	16.723	.48870	1.9855	15.807	33.828	1.9788	1.3298
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0003**	**.99272**	**1.9134**	**2.1390**	**.50436**	**.49166**	**.50693**
Stddev	.0027	.00112	.0002	.0393	.00271	.00324	.00099
%RSD	.27448	.11303	.01120	1.8377	.53681	.65871	.19584
#1	1.0023	.99193	1.9135	2.1112	.50245	.48937	.50763
#2	.99839	.99352	1.9132	2.1668	.50628	.49395	.50623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.3**	**109360.**	**6677.9**
Stddev	23.6	696.	50.5
%RSD	.28782	.63612	.75601
#1	8213.0	109850.	6713.6
#2	8179.6	108870.	6642.2

Sample Name: 280-48983-f-1-c msd Acquired: 11/12/2013 2:41:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**2.1722**	W **2.3817**	**.98614**	**1.0151**	**2.0855**	**.04837**	F **2.2448**	**85.254**	**.10503**
Stddev	.00028	.0019	.0302	.00030	.0002	.0157	.00047	.0023	.839	.00022
%RSD	.55703	.08881	1.2661	.03036	.01578	.75412	.97089	.10243	.98455	.21179
#1	.05043	2.1708	2.4031	.98636	1.0150	2.0967	.04870	2.2464	85.847	.10487
#2	.05083	2.1735	2.3604	.98593	1.0152	2.0744	.04803	2.2431	84.660	.10518
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48063**	**.19939**	**.25677**	**1.1356**	**53.325**	**1.0100**	**56.145**	**.49787**	**1.0051**	**65.755**
Stddev	.00009	.00005	.00117	.0112	.585	.0060	.116	.00006	.0025	.673
%RSD	.01933	.02345	.45616	.98949	1.0962	.58958	.20689	.01147	.24493	1.0242
#1	.48057	.19936	.25595	1.1435	53.738	1.0142	56.227	.49791	1.0068	66.232
#2	.48070	.19943	.25760	1.1276	52.911	1.0057	56.063	.49783	1.0034	65.279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48617**	W **10.183**	**.47980**	**16.517**	**.48761**	**1.9686**	**15.774**	**33.756**	**1.9649**	**1.3243**
Stddev	.00003	.001	.00048	.041	.00201	.0021	.274	.587	.0036	.0123
%RSD	.00630	.00739	.10070	.24736	.41266	.10528	1.7401	1.7401	.18435	.93091
#1	.48620	10.183	.48014	16.488	.48903	1.9700	15.968	34.171	1.9624	1.3331
#2	.48615	10.184	.47946	16.546	.48619	1.9671	15.580	33.341	1.9675	1.3156
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99044**	**.98583**	**1.8885**	**2.1184**	**.49791**	**.48313**	**.50724**
Stddev	.00091	.00020	.0002	.0041	.00007	.00191	.00815
%RSD	.09143	.02069	.01189	.19479	.01408	.39584	1.6066
#1	.98980	.98598	1.8883	2.1214	.49796	.48448	.51300
#2	.99108	.98569	1.8886	2.1155	.49786	.48177	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8278.7**	**110220.**	**6652.4**
Stddev	2.8	485.	141.2
%RSD	.03345	.43995	2.1231
#1	8276.7	109870.	6552.5
#2	8280.6	110560.	6752.3

Sample Name: CCVH-2372891 Acquired: 11/12/2013 2:43:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**50.547**	**.00160**	**.00274**	**.00020**	**-.00007**	W **1.0890**	**.04194**	**-.00001**	**-.00016**	**-.00004**	**.01110**
Stddev	.00039	.091	.00083	.00093	.00016	.00014	.0030	.01820	.00018	.00013	.00010	.00019
%RSD	5.1549	.18067	52.087	34.098	82.477	218.93	.27348	43.384	1469.3	81.693	259.52	1.6844
#1	.00791	50.612	.00219	.00339	.00032	-.00017	1.0911	.05481	-.00014	-.00025	.00003	.01123
#2	.00735	50.483	.00101	.00208	.00008	.00004	1.0869	.02908	.00011	-.00007	-.00011	.01097
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.624**	**.09600**	**.00018**	**.08788**	**.00074**	**.00025**	**265.24**	**.00029**	**-.00018**	**-.00075**	**5.1895**	**.00062**
Stddev	.652	.05131	.00068	.00110	.00002	.00008	.62	.00004	.00066	.00067	.0147	.00234
%RSD	1.3400	53.448	370.75	1.2503	2.8405	32.450	.23320	13.733	365.05	89.195	.28234	379.32
#1	49.084	.05972	-.00030	.08865	.00076	.00031	265.67	.00032	.00029	-.00028	5.1792	.00228
#2	48.163	.13228	.00067	.08710	.00073	.00019	264.80	.00026	-.00065	-.00122	5.1999	-.00104
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00545**	**.02345**	**.05018**	**.00025**	**.00053**	**4.9867**	**-.01241**	**.00166**	F **5.3876**	**.00112**	**.00104**	**.05612**
Stddev	.00208	.01316	.02816	.00001	.00039	.0083	.00007	.00116	.0139	.00010	.00011	.00209
%RSD	38.216	56.111	56.111	4.1157	73.378	.16649	.59139	69.774	.25745	9.0449	10.491	3.7175
#1	-.00693	.03275	.07009	.00025	.00081	4.9808	-.01246	.00247	5.3974	.00105	.00112	.05760
#2	-.00398	.01415	.03027	.00026	.00026	4.9925	-.01235	.00084	5.3778	.00119	.00097	.05465
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8377.1**	**111030.**	**6810.3**
Stddev	14.0	297.	30.4
%RSD	.16696	.26746	.44606
#1	8387.0	111240.	6788.8
#2	8367.2	110820.	6831.8

Sample Name: CCV-2372889 Acquired: 11/12/2013 2:46:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50057**	**.52379**	**.99928**	**.51104**	**.50258**	**.48383**	**-.00326**	**4.9214**	**.50711**	**.50475**	**.50413**	**.50915**	**2.3901**
Stddev	.00108	.00077	.00694	.00455	.00124	.00061	.00189	.0502	.00210	.00088	.00123	.00189	.0164
%RSD	.21587	.14737	.69440	.88976	.24602	.12567	57.944	1.0191	.41323	.17428	.24362	.37151	.68531
#1	.50134	.52433	1.0042	.51426	.50171	.48340	-.00192	4.9569	.50860	.50537	.50500	.51048	2.4017
#2	.49981	.52324	.99437	.50783	.50346	.48426	-.00460	4.8859	.50563	.50413	.50327	.50781	2.3785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.955**	**.99188**	**19.601**	**.49320**	**.51079**	**5.1622**	**.51005**	**1.0102**	**1.0277**	**.00571**	**1.0334**	**1.0125**	**4.7655**
Stddev	.018	.00118	.035	.00051	.00082	.0041	.00456	.0022	.0007	.00145	.0036	.0019	.0585
%RSD	.03572	.11900	.18108	.10282	.16082	.07879	.89337	.21708	.06896	25.454	.35002	.18852	1.2271
#1	50.942	.99104	19.626	.49356	.51137	5.1593	.51327	1.0118	1.0282	.00674	1.0360	1.0139	4.8069
#2	50.968	.99271	19.575	.49285	.51021	5.1650	.50682	1.0087	1.0272	.00468	1.0309	1.0112	4.7241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.198**	**1.0128**	**.49872**	**-.00449**	**.49206**	**1.0348**	**-.00063**	**.49530**	**.49453**	**.49172**
Stddev	.125	.0007	.00115	.00091	.00030	.0055	.02259	.00049	.00128	.00535
%RSD	1.2271	.07135	.23081	20.322	.06039	.52963	3572.8	.09978	.25884	1.0887
#1	10.287	1.0122	.49790	-.00513	.49227	1.0387	.01534	.49565	.49363	.49551
#2	10.110	1.0133	.49953	-.00384	.49185	1.0309	-.01660	.49495	.49544	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8564.3**	**114780.**	**6914.8**
Stddev	9.4	115.	62.4
%RSD	.10971	.10034	.90232
#1	8557.6	114860.	6870.7
#2	8570.9	114700.	6958.9

Sample Name: CCB Acquired: 11/12/2013 2:48:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00407**	**.00131**	**.00141**	**-.00035**	**.00010**	**.00040**	**.00881**	**-.00011**	**.00024**	**.00006**	**-.00012**
Stddev	.00005	.00009	.00227	.00001	.00010	.00017	.00092	.00461	.00009	.00023	.00010	.00041
%RSD	19.610	2.2290	173.01	.73444	29.286	163.50	233.32	52.315	80.545	93.762	164.12	356.54
#1	.00029	-.00400	.00292	.00142	-.00027	.00022	-.00026	.01207	-.00018	.00040	-.00001	-.00041
#2	.00022	-.00413	-.00029	.00140	-.00042	-.00002	.00105	.00555	-.00005	.00008	.00013	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.01166**	**-.00075**	**.00078**	**.00009**	**.00018**	**-.00794**	**.00065**	**-.00395**	**-.00023**	**.01004**	W **.00353**
Stddev	.00182	.01871	.00141	.00207	.00003	.00018	.01101	.00010	.00116	.00107	.00374	.00105
%RSD	124.70	160.50	187.76	264.35	29.232	100.03	138.76	16.072	29.250	457.44	37.205	29.895
#1	-.00017	.02489	-.00175	.00225	.00007	.00031	-.00015	.00072	-.00477	-.00099	.01268	.00278
#2	-.00275	-.00157	.00025	-.00068	.00011	.00005	-.01573	.00058	-.00313	.00052	.00740	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.02015**	**.04313**	**.00031**	**.00019**	**-.00030**	**-.00056**	**-.00110**	**.00940**	**.00018**	**.00250**	**.00205**
Stddev	.00266	.00331	.00708	.00030	.00003	.00117	.00001	.00068	.02472	.00012	.00005	.00148
%RSD	488.43	16.412	16.412	97.998	15.525	387.28	2.5744	62.135	263.01	66.683	1.9453	72.368
#1	-.00242	.02249	.04813	.00052	.00021	.00052	-.00055	-.00158	-.00808	.00010	.00253	.00100
#2	.00133	.01781	.03812	.00009	.00017	-.00113	-.00057	-.00062	.02688	.00027	.00246	.00310
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8567.0**	**116990.**	**6852.7**
Stddev	30.6	965.	39.8
%RSD	.35769	.82451	.58014
#1	8545.4	116310.	6824.6
#2	8588.7	117680.	6880.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 2:50:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10859**	**.01623**	**.10101**	**.01016**	**.00092**	**.12441**	**.21101**	**.00532**	**.01089**	**.01062**	**.01628**	**.09665**	**3.1647**
Stddev	.00046	.00006	.00058	.00051	.00010	.00004	.00001	.00326	.00006	.00016	.00002	.00005	.00247	.0271
%RSD	4.0442	.05261	3.6044	.50228	.98552	4.1219	.00827	1.5445	1.1027	1.4376	.15389	.30404	2.5578	.85660
#1	.01181	.10863	.01581	.10137	.01009	.00090	.12440	.20870	.00536	.01100	.01061	.01624	.09491	3.1455
#2	.01115	.10855	.01664	.10066	.01023	.00095	.12442	.21331	.00527	.01078	.01063	.01631	.09840	3.1838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00896**	**.21077**	**.01033**	**.02067**	**1.0456**	**.04324**	**2.9826**	**.00905**	**.01035**	**.00805**	**.01711**	**.48442**	**1.0367**	**.10547**
Stddev	.00076	.00017	.00002	.00024	.0077	.00005	.0024	.00074	.00217	.00006	.00351	.02084	.0446	.00013
%RSD	8.4726	.08071	.20488	1.1380	.73468	.10466	.08181	8.1528	20.968	.75412	20.505	4.3021	4.3021	.12248
#1	.00842	.21090	.01032	.02051	1.0401	.04320	2.9843	.00957	.00882	.00809	.01463	.46968	1.0051	.10556
#2	.00950	.21065	.01035	.02084	1.0510	.04327	2.9809	.00853	.01189	.00800	.01959	.49916	1.0682	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.01585**	**.00967**	**.01626**	**.05549**	**.01026**	**.02273**	**.01816**
Stddev	.00007	.00183	.00012	.00047	.03113	.00027	.00032	.00015
%RSD	.64846	11.551	1.2788	2.8689	56.097	2.6322	1.3968	.85177
#1	.01030	.01714	.00976	.01659	.03348	.01007	.02250	.01805
#2	.01039	.01455	.00959	.01593	.07751	.01045	.02295	.01827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8684.6**	**119000.**	**6943.0**
Stddev	10.5	236.	39.7
%RSD	.12140	.19818	.57158
#1	8677.2	118830.	6971.0
#2	8692.1	119160.	6914.9

Sample Name: 280-48983-f-2-a Acquired: 11/12/2013 2:53:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.26696**	**.00083**	**.01192**	**.06417**	**-.00004**	**-.00168**	**37.173**	**.00024**	**.00011**
Stddev	.00010	.00006	.00130	.00005	.00120	.00001	.00178	.110	.00006	.00006
%RSD	20.090	.02354	156.04	.42560	1.8622	16.585	105.69	.29492	26.132	54.426
#1	.00043	.26692	.00175	.01188	.06502	-.00003	-.00043	37.251	.00019	.00007
#2	.00057	.26701	-.00009	.01195	.06333	-.00004	-.00294	37.095	.00028	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00109**	**.24177**	**1.3216**	**.00631**	**8.7391**	**.02158**	**.00048**	**18.126**	**.00065**
Stddev	.00002	.00023	.00357	.0473	.00060	.0425	.00025	.00005	.181	.00007
%RSD	5.6312	21.580	1.4745	3.5796	9.4421	.48634	1.1666	9.9831	.99825	10.894
#1	.00030	.00126	.24430	1.3550	.00673	8.7090	.02140	.00045	18.254	.00060
#2	.00032	.00092	.23925	1.2881	.00589	8.7691	.02176	.00051	17.998	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**-.00067**	**18.058**	**-.00245**	**-.00279**	**5.7388**	**12.281**	**.00026**	**.35943**	**.00163**
Stddev	.00053	.00032	.036	.00001	.00153	.0236	.051	.00042	.00114	.00125
%RSD	13.783	48.003	.19879	.32929	54.614	.41133	.41133	164.54	.31664	76.571
#1	.00421	-.00089	18.083	-.00244	-.00172	5.7555	12.317	-.00004	.36024	.00251
#2	.00346	-.00044	18.033	-.00245	-.00387	5.7221	12.245	.00056	.35863	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00654**	**.00023**	**.01199**	**.00112**	**.00453**	**.00266**
Stddev	.00175	.00089	.00303	.00012	.00011	.00064
%RSD	26.772	395.69	25.275	10.348	2.4946	24.174
#1	.00531	-.00040	.00985	.00104	.00461	.00311
#2	.00778	.00085	.01413	.00120	.00445	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8583.8**	**115750.**	**7044.7**
Stddev	24.6	142.	44.8
%RSD	.28703	.12241	.63570
#1	8566.4	115650.	7013.0
#2	8601.2	115850.	7076.3

Sample Name: 280-48983-f-3-a Acquired: 11/12/2013 2:55:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.24989**	**.00013**	**.01178**	**.06195**	**-.00005**	**-.00168**	**36.025**	**.00031**	**.00026**
Stddev	.00008	.00048	.00110	.00035	.00077	.00005	.00014	.160	.00013	.00005
%RSD	12.352	.19302	838.40	2.9735	1.2415	109.84	8.5222	.44471	40.223	19.283
#1	.00073	.25023	-.00065	.01203	.06249	-.00008	-.00158	36.138	.00040	.00030
#2	.00061	.24954	.00091	.01153	.06141	-.00001	-.00178	35.912	.00022	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00058**	**.22776**	**1.3322**	**.00743**	**8.3599**	**.01994**	**.00067**	**17.209**	**.00061**
Stddev	.00007	.00022	.00508	.0252	.00008	.0020	.00004	.00001	.118	.00008
%RSD	24.512	37.071	2.2311	1.8940	1.0943	.02392	.22020	1.9261	.68448	13.234
#1	.00023	.00043	.23136	1.3144	.00749	8.3613	.01991	.00068	17.292	.00055
#2	.00032	.00074	.22417	1.3501	.00737	8.3585	.01997	.00066	17.126	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**.00006**	**17.562**	**-.00233**	**-.00008**	**5.5450**	**11.866**	**-.00050**	**.34837**	**-.00159**
Stddev	.00234	.00108	.038	.00017	.00186	.0850	.182	.00067	.00216	.00138
%RSD	56.511	1883.4	.21552	7.4069	2362.1	1.5328	1.5328	131.93	.61975	87.028
#1	.00249	-.00071	17.535	-.00221	-.00139	5.6051	11.995	-.00003	.34990	-.00256
#2	.00580	.00082	17.589	-.00245	.00124	5.4849	11.738	-.00097	.34684	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.00099**	**.03419**	**.00079**	**.00319**	**.00271**
Stddev	.00012	.00036	.02391	.00014	.00016	.00156
%RSD	2.0360	36.695	69.927	17.564	5.0044	57.679
#1	.00593	.00125	.05109	.00069	.00330	.00161
#2	.00577	.00074	.01728	.00088	.00308	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8562.6**	**117160.**	**7054.0**
Stddev	2.1	323.	56.9
%RSD	.02473	.27560	.80689
#1	8561.1	116930.	7013.7
#2	8564.1	117390.	7094.2

Sample Name: 280-48983-a-4-a Acquired: 11/12/2013 2:57:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	3.3773	.00204	.03500	.06242	.00006	-.00153	223.98	.00077	.00095
Stddev	.00035	.0146	.00361	.00020	.00014	.00002	.00154	.03	.00033	.00017
%RSD	65.337	.43301	177.10	.57726	.22645	34.973	100.89	.01174	42.565	18.092
#1	.00029	3.3877	-.00051	.03514	.06232	.00004	-.00044	224.00	.00100	.00083
#2	.00079	3.3670	.00460	.03485	.06252	.00007	-.00262	223.96	.00054	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00335	.00586	1.8339	7.0093	.07911	154.34	.02851	.00074	379.69	.00262
Stddev	.00009	.00057	.0028	.0295	.00096	1.84	.00008	.00000	.01	.00011
%RSD	2.7126	9.6465	.15260	.42035	1.2152	1.1917	.28159	.17669	.00332	4.0501
#1	.00342	.00546	1.8359	6.9885	.07843	155.64	.02846	.00074	379.68	.00269
#2	.00329	.00626	1.8320	7.0302	.07979	153.04	.02857	.00074	379.70	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07590	.00237	F 499.39	-.00015	.00271	10.717	22.934	-.00039	W 5.8592	-.00050
Stddev	.00281	.00176	1.63	.00103	.00052	.007	.015	.00058	.0675	.00199
%RSD	3.7069	74.303	.32681	698.27	19.053	.06422	.06422	150.45	1.1517	396.08
#1	.07789	.00361	498.24	.00058	.00234	10.712	22.923	.00002	5.9069	.00091
#2	.07391	.00112	500.54	-.00088	.00307	10.721	22.944	-.00080	5.8115	-.00191
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09061	-.00011	-.00928	.00653	.01386	.00692
Stddev	.00475	.00091	.00392	.00019	.00034	.00131
%RSD	5.2390	846.13	42.272	2.8797	2.4480	18.883
#1	.08725	.00054	-.00650	.00667	.01410	.00599
#2	.09396	-.00075	-.01205	.00640	.01362	.00784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7782.6	104210.	6891.4
Stddev	4.1	451.	32.3
%RSD	.05280	.43295	.46862
#1	7785.5	103890.	6868.6
#2	7779.7	104530.	6914.3

Sample Name: 280-48983-a-5-a Acquired: 11/12/2013 3:00:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00831**	**-.00137**	**.00065**	**.00008**	**-.00005**	**-.00221**	**.07756**	**.00013**	**.00013**
Stddev	.00002	.00023	.00098	.00026	.00013	.00001	.00182	.00695	.00000	.00022
%RSD	4.5336	2.7073	71.075	40.161	171.86	13.889	82.474	8.9596	2.9028	171.00
#1	.00040	.00847	-.00068	.00083	.00017	-.00005	-.00092	.08248	.00013	-.00003
#2	.00038	.00815	-.00206	.00046	-.00002	-.00006	-.00350	.07265	.00013	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00086**	**.01482**	**.09529**	**-.00096**	**.03172**	**.00069**	**-.00004**	**.18737**	**.00075**
Stddev	.00012	.00012	.00408	.00062	.00180	.00155	.00000	.00014	.02094	.00028
%RSD	69.890	13.886	27.536	.64876	188.64	4.8795	.60230	348.02	11.178	37.034
#1	.00026	.00094	.01770	.09573	.00032	.03282	.00069	.00006	.20218	.00094
#2	.00009	.00077	.01193	.09485	-.00223	.03063	.00069	-.00014	.17256	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**-.00006**	**.10801**	**-.00069**	**.00006**	**.02576**	**.05512**	**.00046**	**.00136**	**-.00063**
Stddev	.00078	.00021	.00996	.00234	.00136	.01520	.03254	.00060	.00021	.00038
%RSD	93.814	320.14	9.2165	340.47	2179.5	59.037	59.037	129.23	15.160	60.747
#1	-.00028	.00008	.11505	-.00234	.00103	.01500	.03211	.00088	.00150	-.00036
#2	-.00139	-.00021	.10098	.00097	-.00090	.03651	.07812	.00004	.00121	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00043**	**.00201**	**.00017**	**.00414**	**.00368**
Stddev	.00007	.00010	.02881	.00012	.00002	.00244
%RSD	12.918	24.409	1436.2	69.463	.58789	66.283
#1	.00050	.00050	-.01837	.00025	.00412	.00541
#2	.00060	.00035	.02238	.00009	.00415	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8801.2**	**120120.**	**6969.1**
Stddev	21.3	207.	77.0
%RSD	.24241	.17248	1.1044
#1	8816.3	120270.	6914.7
#2	8786.2	119970.	7023.5

Sample Name: 280-49044-c-1-a Acquired: 11/12/2013 3:02:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00366**	**-.00265**	**5.4882**	**.01765**	**-.00001**	**.00021**	W **732.60**	**.00101**	**.00134**
Stddev	.00049	.00012	.00184	.0300	.00010	.00007	.00061	3.28	.00012	.00004
%RSD	305.65	3.3745	69.468	.54613	.57315	1101.2	288.76	.44835	11.495	2.9162
#1	.00051	.00375	-.00396	5.4671	.01772	-.00006	.00065	734.92	.00109	.00136
#2	-.00019	.00357	-.00135	5.5094	.01758	.00004	-.00022	730.27	.00093	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00346**	**.00530**	**18.742**	**1.3034**	**269.42**	**.06749**	**.00132**	W **1065.8**	**.01105**
Stddev	.00010	.00002	.00111	.111	.0023	3.37	.00023	.00005	3.6	.00007
%RSD	234.67	.57933	20.840	.59103	.17646	1.2507	.34072	3.9900	.33400	.62798
#1	-.00011	.00348	.00609	18.663	1.3050	271.80	.06733	.00128	1068.4	.01110
#2	.00003	.00345	.00452	18.820	1.3017	267.04	.06765	.00136	1063.3	.01100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29839**	W **-.00312**	F **808.44**	**.00052**	**-.00247**	**12.879**	**27.561**	**-.00016**	F **20.026**	**-.00268**
Stddev	.00349	.00077	2.86	.00087	.00320	.026	.057	.00025	.351	.00228
%RSD	1.1711	24.570	.35334	169.46	129.43	.20525	.20525	160.48	1.7522	84.854
#1	.29592	-.00258	806.42	.00113	-.00474	12.898	27.601	-.00033	20.275	-.00107
#2	.30086	-.00366	810.46	-.00010	-.00021	12.860	27.521	.00002	19.778	-.00430
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		10.000	200.00						20.000	
Low Limit		-.00300	-.20000						-.02000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00187**	**.05751**	**.00148**	**.00697**	**.00464**
Stddev	.00004	.00128	.01930	.00019	.00054	.00053
%RSD	862.31	68.361	33.553	12.965	7.6946	11.337
#1	-.00002	.00097	.04386	.00134	.00735	.00501
#2	.00003	.00278	.07115	.00161	.00659	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7235.2**	**97526.**	**6628.6**
Stddev	3.8	323.	63.6
%RSD	.05309	.33117	.95959
#1	7237.9	97298.	6583.6
#2	7232.5	97755.	6673.6

Sample Name: 280-49044-c-2-a Acquired: 11/12/2013 3:05:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.07744**	**-.00350**	**3.6453**	**.01346**	**-.00007**	**-.00138**	W **612.94**	**.00119**	**.00405**
Stddev	.00041	.00011	.00371	.0167	.00028	.00006	.00059	7.44	.00006	.00006
%RSD	176.90	.14313	105.79	.45695	2.1167	88.931	42.772	1.2141	5.2528	1.4810
#1	-.00052	.07752	-.00612	3.6335	.01366	-.00002	-.00180	607.68	.00123	.00401
#2	.00006	.07736	-.00088	3.6571	.01325	-.00011	-.00096	618.20	.00115	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00298**	**.59743**	**12.473**	**1.3245**	**259.21**	**.47101**	**.00044**	W **1346.0**	**.01678**
Stddev	.00001	.00006	.01359	.210	.0086	.26	.00051	.00016	8.0	.00026
%RSD	9.6801	1.9521	2.2746	1.6844	.64710	.10094	.10833	35.681	.59167	1.5561
#1	.00006	.00302	.58782	12.325	1.3184	259.40	.47065	.00055	1340.4	.01697
#2	.00005	.00294	.60704	12.622	1.3305	259.03	.47137	.00033	1351.6	.01660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70071**	**-.00265**	F **1007.5**	**.00022**	**-.00114**	**10.400**	**22.256**	**-.00050**	W **13.780**	**-.00178**
Stddev	.00872	.00061	3.6	.00114	.00260	.219	.469	.00101	.068	.00057
%RSD	1.2441	23.082	.35664	509.74	229.43	2.1058	2.1058	201.22	.49154	31.938
#1	.69455	-.00222	1004.9	-.00058	.00071	10.245	21.925	-.00122	13.732	-.00138
#2	.70687	-.00308	1010.0	.00103	-.00298	10.555	22.588	.00021	13.828	-.00218
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00172**	**.04934**	**.00120**	**.00735**	**.00409**
Stddev	.00027	.00041	.00961	.00003	.00034	.00155
%RSD	49.868	23.626	19.482	2.0850	4.5596	37.879
#1	.00073	.00144	.05614	.00119	.00759	.00299
#2	.00035	.00201	.04254	.00122	.00712	.00518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7289.4**	**97942.**	**6886.5**
Stddev	13.9	113.	58.5
%RSD	.19098	.11492	.84947
#1	7279.6	97862.	6927.8
#2	7299.3	98022.	6845.1

Sample Name: 280-49044-c-3-a Acquired: 11/12/2013 3:09:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.02803**	**.00358**	**1.4945**	**.04587**	**-.00004**	**-.00321**	**442.64**	**.00086**	**.00450**
Stddev	.00058	.00032	.00111	.0004	.00046	.00005	.00189	14.59	.00009	.00015
%RSD	107.31	1.1324	31.121	.02731	1.0128	119.89	58.864	3.2969	10.562	3.2938
#1	.00096	.02780	.00437	1.4942	.04554	-.00001	-.00187	432.32	.00093	.00439
#2	.00013	.02825	.00279	1.4948	.04620	-.00007	-.00454	452.96	.00080	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00354**	**10.821**	**11.922**	**.21388**	**87.860**	**.59289**	**.00161**	**196.83**	**.01000**
Stddev	.00014	.00004	.050	.052	.00190	.116	.00236	.00000	.73	.00007
%RSD	19.334	1.0623	.46355	.43409	.88998	.13240	.39779	.15696	.36886	.65613
#1	.00061	.00351	10.785	11.885	.21523	87.778	.59123	.00161	196.32	.00996
#2	.00080	.00357	10.856	11.959	.21253	87.942	.59456	.00161	197.34	.01005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35594**	**-.00196**	F **400.35**	**-.00258**	**-.00236**	**10.591**	**22.665**	**-.00005**	W **9.8248**	**-.00135**
Stddev	.00130	.00142	.87	.00070	.00172	.058	.123	.00085	.0595	.00108
%RSD	.36576	72.660	.21832	26.926	72.907	.54367	.54367	1786.3	.60572	80.073
#1	.35502	-.00095	399.73	-.00209	-.00114	10.550	22.578	-.00065	9.8669	-.00059
#2	.35686	-.00296	400.97	-.00307	-.00357	10.632	22.752	.00055	9.7828	-.00212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00097**	**.01152**	**.00116**	**.00478**	**.00533**
Stddev	.00033	.00089	.02187	.00000	.00033	.00127
%RSD	50.858	91.445	189.82	.01024	6.8366	23.797
#1	.00042	.00160	-.00394	.00116	.00455	.00444
#2	.00088	.00034	.02699	.00116	.00501	.00623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7792.1**	**106810.**	**7169.5**
Stddev	11.2	58.	84.0
%RSD	.14357	.05443	1.1723
#1	7800.0	106770.	7228.9
#2	7784.2	106850.	7110.1

Sample Name: 280-49044-c-4-a Acquired: 11/12/2013 3:11:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00526**	**-.00164**	**5.4650**	**.01689**	**-.00005**	**.00010**	W **703.75**	**.00106**	**.00120**
Stddev	.00027	.00006	.00134	.1176	.00023	.00007	.00154	.14	.00005	.00013
%RSD	38.676	1.1793	82.198	2.1525	1.3597	129.79	1501.3	.01972	4.6171	10.877
#1	.00050	.00530	-.00068	5.5482	.01672	.00000	-.00099	703.85	.00109	.00110
#2	.00088	.00522	-.00259	5.3818	.01705	-.00010	.00119	703.66	.00103	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00360**	**.00730**	**18.272**	**1.2663**	**260.84**	**.07107**	**.00112**	W **1037.5**	**.01106**
Stddev	.00015	.00001	.00313	.335	.0182	1.60	.00021	.00049	13.1	.00004
%RSD	128.93	.20641	42.903	1.8309	1.4381	.61499	.30039	43.461	1.2594	.37472
#1	.00001	.00360	.00508	18.035	1.2534	259.71	.07092	.00146	1028.3	.01109
#2	.00022	.00359	.00951	18.508	1.2792	261.98	.07122	.00077	1046.8	.01103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31637**	W **-.00310**	F **803.28**	**-.00114**	**-.00040**	**12.416**	**26.571**	**-.00104**	W **19.579**	**-.00328**
Stddev	.00680	.00125	18.80	.00178	.00016	.169	.361	.00081	.233	.00061
%RSD	2.1502	40.477	2.3408	156.06	40.492	1.3605	1.3605	77.684	1.1900	18.512
#1	.32118	-.00221	816.58	-.00240	-.00029	12.297	26.315	-.00047	19.414	-.00285
#2	.31156	-.00398	789.99	.00012	-.00051	12.536	26.827	-.00161	19.743	-.00371
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		10.000	200.00						5.0000	
Low Limit		-.00300	-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00161**	**.07420**	**.00135**	**.00702**	**.00540**
Stddev	.00010	.00065	.00450	.00002	.00028	.00078
%RSD	32.793	40.707	6.0644	1.6794	3.9506	14.494
#1	.00038	.00207	.07102	.00133	.00722	.00485
#2	.00023	.00114	.07738	.00136	.00683	.00596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7190.8**	**98019.**	**6963.7**
Stddev	168.6	10.	56.2
%RSD	2.3444	.01063	.80759
#1	7071.6	98012.	6923.9
#2	7310.0	98026.	7003.5

Sample Name: 280-49044-c-5-a Acquired: 11/12/2013 3:14:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**-.00037**	**-.00018**	**.01277**	**-.00056**	**-.00007**	**.00063**	**.06915**	**.00007**	**.00028**
Stddev	.00002	.00014	.00153	.00072	.00013	.00002	.00146	.00103	.00006	.00016
%RSD	2.3815	38.204	831.62	5.6002	24.119	21.288	232.71	1.4851	85.867	55.838
#1	.00082	-.00047	-.00127	.01328	-.00046	-.00006	.00166	.06842	.00003	.00039
#2	.00080	-.00027	.00090	.01226	-.00065	-.00009	-.00040	.06987	.00012	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00011**	**-.00012**	**.10335**	**-.00082**	**.01313**	**.00010**	**-.00007**	**.26280**	**.00062**
Stddev	.00004	.00065	.00190	.01305	.00032	.00283	.00006	.00010	.02097	.00007
%RSD	46.768	597.52	1644.4	12.626	39.398	21.566	56.859	137.56	7.9812	10.710
#1	.00005	.00057	.00123	.09413	-.00059	.01513	.00015	-.00014	.27764	.00057
#2	.00011	-.00035	-.00146	.11258	-.00105	.01113	.00006	.00000	.24797	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00879**	**-.00052**	**.10944**	**-.00296**	**-.00039**	**.02626**	**.05619**	**.00042**	**.00150**	**.00039**
Stddev	.00061	.00059	.00808	.00021	.00120	.00290	.00621	.00014	.00001	.00007
%RSD	6.9417	112.35	7.3857	6.9589	308.72	11.057	11.057	33.200	.85552	18.801
#1	.00923	-.00094	.11516	-.00281	.00046	.02420	.05179	.00032	.00151	.00044
#2	.00836	-.00011	.10373	-.00311	-.00123	.02831	.06058	.00052	.00149	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00068**	**.01597**	**-.00018**	**.00256**	**.00404**
Stddev	.00033	.00010	.03379	.00042	.00020	.00060
%RSD	48.119	15.316	211.59	232.50	7.7472	14.771
#1	.00093	.00061	-.00792	.00012	.00242	.00362
#2	.00046	.00075	.03986	-.00048	.00270	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9067.6**	**125160.**	**7488.3**
Stddev	18.8	16.	36.4
%RSD	.20776	.01303	.48588
#1	9080.9	125150.	7514.0
#2	9054.3	125170.	7462.5

Sample Name: CCVH-2372891 Acquired: 11/12/2013 3:17:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**50.361**	**.00193**	**.00666**	**-.00018**	**.00001**	F **1.1205**	**.03374**	**.00003**	**-.00020**	**-.00001**	**.01099**
Stddev	.00020	.426	.00155	.00035	.00007	.00001	.0029	.00028	.00016	.00009	.00001	.00001
%RSD	2.4809	.84624	80.038	5.3133	38.548	37.372	.25884	.82713	486.75	42.368	87.026	.11690
#1	.00779	50.059	.00303	.00691	-.00013	.00002	1.1225	.03354	-.00008	-.00014	.00000	.01100
#2	.00807	50.662	.00084	.00641	-.00022	.00001	1.1184	.03393	.00015	-.00026	-.00001	.01098
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.960**	**.09318**	**-.00083**	**.09027**	**.00075**	**-.00024**	**267.59**	**-.00023**	**.00423**	**.00031**	W **5.3668**	**.00231**
Stddev	1.029	.01240	.00055	.00190	.00001	.00001	2.40	.00041	.00014	.00003	.0129	.00086
%RSD	2.1011	13.310	66.145	2.1026	1.7197	2.6420	.89536	181.78	3.2746	10.936	.24023	37.285
#1	48.233	.08441	-.00122	.08893	.00076	-.00023	265.89	.00006	.00413	.00033	5.3759	.00170
#2	49.687	.10195	-.00044	.09161	.00074	-.00024	269.28	-.00051	.00432	.00028	5.3577	.00291
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00263**	**.01088**	**.02329**	**-.00034**	**.00066**	**5.0387**	**-.01294**	**.00116**	F **5.4815**	**.00123**	**.00147**	**.05885**
Stddev	.00125	.02576	.05512	.00037	.00005	.0098	.00006	.00155	.0219	.00030	.00018	.00221
%RSD	47.583	236.63	236.63	107.21	7.7527	.19516	.46589	133.43	.39998	24.242	12.253	3.7526
#1	-.00351	-.00733	-.01568	-.00061	.00070	5.0318	-.01298	.00226	5.4660	.00102	.00135	.05729
#2	-.00174	.02910	.06227	-.00008	.00063	5.0457	-.01289	.00007	5.4970	.00144	.00160	.06041
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8578.0**	**115890.**	**7357.4**
Stddev	2.3	362.	66.3
%RSD	.02700	.31224	.90054
#1	8576.4	115640.	7404.3
#2	8579.7	116150.	7310.6

Sample Name: CCV-2372889 Acquired: 11/12/2013 3:19:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51082**	**.52351**	**1.0227**	**.52546**	**.51090**	**.49000**	**-.00387**	**4.9461**	**.51612**	**.51054**	**.51243**	**.52230**	**2.4003**
Stddev	.00217	.00102	.0001	.00162	.00216	.00095	.00016	.0355	.00164	.00046	.00082	.00144	.0299
%RSD	.42460	.19537	.00441	.30804	.42326	.19474	4.1836	.71724	.31866	.08987	.16028	.27478	1.2470
#1	.51235	.52279	1.0227	.52432	.50937	.48933	-.00375	4.9712	.51495	.51086	.51185	.52331	2.4215
#2	.50929	.52424	1.0226	.52661	.51243	.49068	-.00398	4.9210	.51728	.51021	.51301	.52128	2.3791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.277**	**1.0059**	**19.506**	**.49474**	**.52036**	**5.2133**	**.51481**	**1.0697**	**1.0358**	**.05496**	**1.0599**	**1.0385**	**4.7699**
Stddev	.016	.0021	.021	.00121	.00139	.0136	.00049	.0096	.0046	.00397	.0003	.0054	.0684
%RSD	.03157	.20771	.10535	.24476	.26740	.26123	.09522	.89851	.44101	7.2218	.03037	.52256	1.4342
#1	51.266	1.0044	19.520	.49560	.51937	5.2036	.51447	1.0629	1.0326	.05215	1.0597	1.0346	4.8182
#2	51.289	1.0073	19.491	.49389	.52134	5.2229	.51516	1.0765	1.0390	.05776	1.0601	1.0423	4.7215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.208**	**1.0281**	**.50706**	**-.00568**	**.49648**	**1.0453**	**.01875**	**.50091**	**.48648**	**.49667**
Stddev	.146	.0040	.00123	.00128	.00031	.0004	.03215	.00047	.00181	.00349
%RSD	1.4342	.38979	.24318	22.604	.06221	.03316	171.43	.09468	.37255	.70241
#1	10.311	1.0253	.50619	-.00659	.49670	1.0456	.04148	.50058	.48776	.49913
#2	10.104	1.0309	.50794	-.00478	.49626	1.0451	-.00398	.50125	.48520	.49420
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8814.1**	**120200.**	**7458.6**
Stddev	14.7	45.	24.9
%RSD	.16665	.03746	.33449
#1	8803.7	120230.	7441.0
#2	8824.5	120160.	7476.3

Sample Name: CCB Acquired: 11/12/2013 3:21:36 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00099	-.00450	.00296	.00408	-.00039	.00004	.00242	.01648	.00032	.00019	-.00009	-.00042
Stddev	.00011	.00043	.00046	.00032	.00000	.00001	.00191	.00064	.00026	.00002	.00001	.00029
%RSD	10.704	9.6566	15.702	7.7874	1.1756	18.315	78.590	3.8789	80.472	12.400	14.473	69.622
#1	.00107	-.00481	.00263	.00385	-.00039	.00004	.00377	.01694	.00014	.00021	-.00008	-.00021
#2	.00092	-.00420	.00329	.00430	-.00039	.00005	.00108	.01603	.00050	.00017	-.00010	-.00062
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00218	-.01154	-.00128	.00232	.00005	.00022	.04626	.00059	W .01825	-.00001	.06039	W .00375
Stddev	.00170	.00965	.00194	.00075	.00002	.00005	.00559	.00017	.00310	.00062	.00055	.00089
%RSD	77.798	83.618	151.34	32.340	40.152	21.405	12.075	28.725	16.969	8080.1	.91902	23.675
#1	-.00098	-.00472	.00009	.00179	.00007	.00019	.05021	.00072	.02044	-.00044	.06078	.00438
#2	-.00339	-.01836	-.00266	.00285	.00004	.00026	.04231	.00047	.01606	.00043	.05999	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn
High Limit									.01350			.00314
Low Limit									-.01350			-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.00073	.00156	.00036	.00028	-.00013	-.00003	-.00028	.02558	-.00012	.00249	W .00313
Stddev	.00446	.00715	.01529	.00006	.00007	.00005	.00006	.00033	.00118	.00021	.00023	.00097
%RSD	582.31	978.14	978.14	15.711	23.880	35.410	198.54	117.49	4.6107	178.03	9.3010	31.061
#1	.00392	-.00432	-.00925	.00040	.00032	-.00010	.00001	-.00005	.02475	.00003	.00233	.00244
#2	-.00239	.00578	.01238	.00032	.00023	-.00017	-.00007	-.00051	.02642	-.00027	.00265	.00381
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	8798.7	121040.	7271.2
Stddev	5.9	490.	39.2
%RSD	.06728	.40465	.53860
#1	8794.6	121390.	7298.9
#2	8802.9	120690.	7243.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 3:23:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10769**	**.01639**	**.10529**	**.01007**	**.00102**	**.12868**	**.21627**	**.00538**	**.01094**	**.01069**	**.01574**	**.09873**
Stddev	.00027	.00015	.00010	.00003	.00027	.00004	.00049	.00397	.00014	.00002	.00007	.00022	.00269
%RSD	2.4304	.13939	.58616	.02775	2.7307	3.9209	.37812	1.8374	2.5582	.16530	.67478	1.4248	2.7215
#1	.01131	.10780	.01632	.10527	.00987	.00099	.12903	.21908	.00548	.01093	.01063	.01558	.10063
#2	.01093	.10759	.01645	.10531	.01026	.00105	.12834	.21346	.00529	.01096	.01074	.01590	.09683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2033**	**.01221**	**.21017**	**.01025**	**.02055**	**1.1192**	**.04375**	**3.0158**	**.00916**	**.04804**	**.00809**	**.01443**	**.49114**
Stddev	.0197	.00050	.00019	.00009	.00022	.0023	.00032	.0112	.00038	.00006	.00209	.00010	.01084
%RSD	.61494	4.1283	.09192	.89632	1.0853	.20280	.72805	.36987	4.1042	.12968	25.820	.70898	2.2070
#1	3.1894	.01185	.21003	.01031	.02039	1.1208	.04353	3.0079	.00942	.04808	.00957	.01451	.48347
#2	3.2172	.01257	.21031	.01018	.02070	1.1176	.04398	3.0237	.00889	.04799	.00661	.01436	.49880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0510**	**.10564**	**.01085**	**.01521**	**.00947**	**.01675**	F **.09407**	**.01030**	**.02218**	**.01897**
Stddev	.0232	.00009	.00000	.00212	.00014	.00060	.03624	.00008	.00018	.00091
%RSD	2.2070	.08703	.03005	13.926	1.4753	3.6015	38.521	.73649	.82181	4.7714
#1	1.0346	.10558	.01085	.01671	.00937	.01633	.06845	.01035	.02231	.01833
#2	1.0674	.10571	.01085	.01371	.00957	.01718	.11970	.01024	.02206	.01961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8896.7**	**122000.**	**7336.0**
Stddev	3.4	245.	9.7
%RSD	.03821	.20087	.13249
#1	8899.1	121820.	7329.2
#2	8894.3	122170.	7342.9

Sample Name: 280-49001-g-1-a Acquired: 11/12/2013 3:26:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**3.4844**	**.33253**	RW **44.015**	**.41969**	**-.00053**	**-.00548**	**17.702**	**.00390**	**.02160**
Stddev	.00015	.0079	.00041	.054	.00127	.00003	.00311	.071	.00037	.00030
%RSD	10.604	.22554	.12465	.12352	.30279	5.0462	56.835	.39852	9.4980	1.4047
#1	.00154	3.4900	.33224	44.054	.42059	-.00055	-.00328	17.752	.00417	.02182
#2	.00133	3.4789	.33283	43.977	.41879	-.00051	-.00768	17.652	.00364	.02139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05216**	**.02023**	**7.0847**	F **1219.5**	W **6.1958**	**3.6724**	**.54354**	**4.6107**	RF **4049.1**	**1.0814**
Stddev	.00004	.00004	.0922	13.5	.0158	.0287	.00112	.0098	107.6	.0012
%RSD	.08032	.22042	1.3014	1.1065	.25498	.78232	.20641	.21310	2.6566	.11458
#1	.05219	.02020	7.1499	1229.1	6.2070	3.6927	.54433	4.6176	4125.1	1.0823
#2	.05213	.02027	7.0195	1210.0	6.1846	3.6521	.54274	4.6037	3973.0	1.0806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				500.00	2.0000				100.00	
Low Limit				-2.0000	-.01000				-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **33.973**	F **-.02384**	F **4317.1**	F **-.09291**	**1.6162**	**8.2691**	**17.696**	**.01543**	**1.8061**	**.03035**
Stddev	.052	.00015	7.8	.00043	.0136	.0772	.165	.00023	.0079	.00029
%RSD	.15292	.64502	.18041	.46691	.84039	.93397	.93397	1.5088	.43546	.94148
#1	34.010	-.02394	4322.6	-.09322	1.6258	8.3237	17.813	.01526	1.8117	.03015
#2	33.936	-.02373	4311.6	-.09261	1.6066	8.2145	17.579	.01559	1.8006	.03056
Check ?	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	200.00	200.00	50.000						
Low Limit	-1.0000	-.00600	-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07126**	**-.00666**	**.25709**	**1.3110**	**.38619**	**.02654**
Stddev	.00083	.00133	.03677	.0009	.00264	.00124
%RSD	1.1600	19.989	14.303	.07075	.68342	4.6875
#1	.07185	-.00572	.28309	1.3103	.38806	.02566
#2	.07068	-.00760	.23109	1.3116	.38433	.02742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4685.1**	**63361.**	**6342.0**
Stddev	1.4	152.	7.7
%RSD	.03075	.23992	.12131
#1	4684.1	63253.	6336.6
#2	4686.1	63468.	6347.5

Sample Name: 280-49001-g-1-a@5 Acquired: 11/12/2013 3:29:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.70214**	**.06386**	**8.9021**	**.09594**	**-.00019**	**.00027**	**4.2122**	**.00082**	**.00491**
Stddev	.00097	.00127	.00271	.0066	.00009	.00003	.00102	.0132	.00010	.00000
%RSD	1789.8	.18071	4.2503	.07470	.09065	14.805	384.47	.31373	12.401	.03517
#1	.00074	.70303	.06194	8.9068	.09588	-.00021	.00099	4.2216	.00089	.00491
#2	-.00063	.70124	.06578	8.8974	.09600	-.00017	-.00046	4.2029	.00075	.00491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**.00463**	**1.6233**	W **260.82**	**1.0395**	**.93810**	**.12374**	**.92522**	RW **6615.1**	**.25451**
Stddev	.00023	.00074	.0109	.66	.0062	.00001	.00009	.00227	29.7	.00011
%RSD	2.0142	16.073	.67054	.25123	.60007	.00111	.07391	.24541	.44849	.04149
#1	.01161	.00410	1.6310	261.29	1.0439	.93810	.12380	.92683	6636.0	.25443
#2	.01129	.00515	1.6156	260.36	1.0351	.93811	.12367	.92362	6594.1	.25458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6575**	W **-.00559**	F **2274.2**	F **-.02248**	**.28296**	**1.7725**	**3.7931**	**.00545**	**.37994**	**.00109**
Stddev	.0105	.00019	3.1	.00098	.00203	.0265	.0566	.00030	.00136	.00125
%RSD	.15727	3.4008	.13587	4.3686	.71598	1.4932	1.4932	5.5549	.35728	115.36
#1	6.6649	-.00546	2276.4	-.02179	.28153	1.7912	3.8331	.00566	.38090	.00020
#2	6.6501	-.00573	2272.1	-.02317	.28440	1.7537	3.7530	.00523	.37898	.00197
Check ?	Chk Warn	Chk Warn	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000	200.00	50.000						
Low Limit	-1.0000	-.00300	-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01502**	**-.00250**	**.06018**	**.29411**	**.09539**	**.00891**
Stddev	.00004	.00017	.02017	.00074	.00028	.00051
%RSD	.27642	6.7252	33.509	.25322	.29254	5.7015
#1	.01499	-.00238	.04592	.29464	.09519	.00855
#2	.01505	-.00262	.07444	.29359	.09559	.00927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6749.4**	**87385.**	**6780.0**
Stddev	19.5	414.	41.0
%RSD	.28927	.47374	.60496
#1	6735.6	87678.	6751.0
#2	6763.2	87092.	6809.0

Sample Name: 280-49001-g-2-a Acquired: 11/12/2013 3:32:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**7.5947**	**.01124**	**2.4282**	**.38486**	**.00036**	**-.00652**	**122.57**	**.00064**	**.00261**
Stddev	.00000	.0014	.00036	.0007	.00042	.00002	.00184	.27	.00022	.00007
%RSD	.57893	.01789	3.1831	.02866	.11007	5.6299	28.306	.21859	33.359	2.8454
#1	.00038	7.5937	.01149	2.4277	.38456	.00037	-.00521	122.38	.00049	.00266
#2	.00038	7.5956	.01098	2.4287	.38516	.00034	-.00782	122.76	.00080	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00692**	**.05724**	**6.1572**	**36.840**	**.27891**	**25.111**	**.33392**	**.00651**	**359.42**	**.01957**
Stddev	.00001	.00008	.0422	.072	.00197	.092	.00149	.00040	.23	.00007
%RSD	.18347	.14391	.68546	.19623	.70493	.36739	.44477	6.1750	.06372	.37751
#1	.00693	.05718	6.1274	36.891	.28030	25.177	.33497	.00679	359.25	.01962
#2	.00691	.05729	6.1870	36.789	.27752	25.046	.33287	.00622	359.58	.01952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73164**	**.00584**	**113.33**	**-.00409**	**.00020**	**20.158**	**43.138**	**.00106**	**2.1067**	**.00146**
Stddev	.00620	.00036	.01	.00208	.00237	.141	.302	.00027	.0009	.00104
%RSD	.84685	6.1094	.00849	50.823	1215.7	.69934	.69934	25.811	.04112	71.375
#1	.73602	.00609	113.33	-.00556	-.00148	20.058	42.925	.00086	2.1061	.00072
#2	.72726	.00559	113.32	-.00262	.00187	20.258	43.352	.00125	2.1073	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18542**	**.00065**	**-.02743**	**.02345**	**.06084**	**.01006**
Stddev	.00053	.00129	.00669	.00048	.00017	.00194
%RSD	.28408	197.20	24.396	2.0257	.27996	19.242
#1	.18505	-.00026	-.03216	.02379	.06072	.01143
#2	.18580	.00156	-.02270	.02312	.06096	.00869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8229.3**	**110510.**	**7110.2**
Stddev	11.1	690.	2.0
%RSD	.13436	.62394	.02835
#1	8237.1	110030.	7111.6
#2	8221.4	111000.	7108.7

Sample Name: 280-48952-a-2-a Acquired: 11/12/2013 3:34:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.30038**	**-.00002**	**.53014**	**.04715**	**-.00002**	**-.00215**	**204.55**	**.00067**	**.00066**
Stddev	.00049	.00311	.00123	.00192	.00031	.00008	.00206	.27	.00006	.00002
%RSD	1221.5	1.0362	6558.3	.36250	.65324	447.17	95.587	.13171	8.7790	2.9956
#1	-.00039	.30258	-.00089	.53150	.04693	-.00007	-.00070	204.75	.00071	.00068
#2	.00031	.29818	.00085	.52878	.04736	.00004	-.00360	204.36	.00063	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00318**	**.27962**	**12.113**	**.13802**	**50.047**	**.06032**	**.00249**	**203.54**	**.00565**
Stddev	.00007	.00061	.00197	.024	.00232	.091	.00017	.00000	.03	.00004
%RSD	10.558	19.225	.70452	.19767	1.6809	.18153	.27700	.01586	.01522	.65364
#1	.00061	.00275	.27822	12.130	.13638	50.112	.06044	.00249	203.52	.00562
#2	.00071	.00362	.28101	12.096	.13966	49.983	.06020	.00249	203.56	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**-.00103**	F **300.76**	**-.00304**	**.00101**	**4.6882**	**10.033**	**-.00023**	**4.7549**	**-.00157**
Stddev	.00102	.00005	.02	.00036	.00208	.0006	.001	.00051	.0047	.00020
%RSD	1.9911	5.1491	.00816	11.914	206.70	.01363	.01363	222.75	.09804	13.050
#1	.05194	-.00107	300.78	-.00329	-.00046	4.6877	10.032	.00013	4.7582	-.00171
#2	.05050	-.00100	300.74	-.00278	.00248	4.6887	10.034	-.00059	4.7516	-.00142
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00715**	**.00122**	**.01971**	**.00170**	**.00899**	**.00405**
Stddev	.00017	.00088	.01047	.00003	.00065	.00157
%RSD	2.3994	71.616	53.128	1.9026	7.2473	38.796
#1	.00703	.00060	.01231	.00173	.00945	.00516
#2	.00727	.00184	.02712	.00168	.00853	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**108730.**	**6940.0**
Stddev	4.6	578.	22.2
%RSD	.05731	.53202	.31992
#1	8074.5	108320.	6924.3
#2	8067.9	109140.	6955.7

Sample Name: 280-48973-e-1-a Acquired: 11/12/2013 3:37:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.16248**	**.00230**	**.20730**	**.05577**	**.00000**	**-.00313**	**46.800**	**.00021**	**.00028**
Stddev	.00018	.00027	.00269	.00128	.00054	.0000	.00108	.084	.00011	.00015
%RSD	56.057	.16466	116.93	.61516	.96672	1731.9	34.413	.17914	54.037	52.369
#1	.00045	.16267	.00420	.20820	.05615	-.00002	-.00390	46.859	.00029	.00039
#2	.00019	.16229	.00040	.20640	.05539	.00002	-.00237	46.741	.00013	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.01144**	**.94634**	**50.625**	**.01658**	**11.953**	**.11322**	**.00205**	**90.072**	**.00342**
Stddev	.00004	.00016	.00003	.065	.00228	.053	.00053	.00004	.035	.00025
%RSD	3.6657	1.3746	.00349	.12897	13.739	.44236	.47087	2.1999	.03849	7.4043
#1	.00101	.01155	.94636	50.672	.01819	11.990	.11359	.00208	90.097	.00324
#2	.00096	.01133	.94632	50.579	.01497	11.915	.11284	.00201	90.048	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31476**	**-.00017**	**28.466**	**-.00260**	**.00135**	**4.0515**	**8.6701**	**.00020**	**.30373**	**-.00182**
Stddev	.00075	.00049	.061	.00062	.00053	.0331	.0707	.00101	.00089	.00092
%RSD	.23980	291.03	.21292	23.869	39.045	.81592	.81592	497.87	.29386	50.542
#1	.31423	-.00051	28.509	-.00304	.00172	4.0748	8.7202	.00092	.30436	-.00247
#2	.31530	.00018	28.424	-.00216	.00098	4.0281	8.6201	-.00051	.30310	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00014**	**.01876**	**.00064**	**.04050**	**.00486**
Stddev	.00011	.00099	.04804	.00014	.00029	.00139
%RSD	9.7380	692.87	256.09	22.522	.72096	28.626
#1	.00117	.00084	.05272	.00074	.04030	.00388
#2	.00102	-.00056	-.01521	.00054	.04071	.00585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8400.6**	**112720.**	**6927.3**
Stddev	22.1	709.	8.6
%RSD	.26279	.62919	.12464
#1	8385.0	112220.	6933.4
#2	8416.3	113220.	6921.1

Sample Name: 280-48836-c-13-f Acquired: 11/12/2013 3:39:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00164**	**.00208**	**.04415**	**.40736**	**-.00008**	**-.00069**	**4.8879**	**.00012**	**-.00012**
Stddev	.00033	.00028	.00304	.00024	.00009	.00009	.00055	.0468	.00012	.00005
%RSD	70.635	16.960	146.34	.53361	.02312	120.94	79.188	.95823	96.200	40.128
#1	.00023	.00144	-.00007	.04432	.40743	-.00001	-.00108	4.9211	.00020	-.00015
#2	.00069	.00184	.00423	.04399	.40729	-.00014	-.00030	4.8548	.00004	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00083**	**.28937**	**1.7336**	**.00617**	**.93965**	**.00554**	**.00026**	**195.02**	**.00062**
Stddev	.00002	.00007	.00138	.0030	.00124	.00099	.00003	.00012	.03	.00041
%RSD	23.350	8.4695	.47641	.17245	20.148	.10527	.58106	47.116	.01623	66.133
#1	.00008	.00088	.29035	1.7315	.00704	.93895	.00551	.00017	195.00	.00033
#2	.00011	.00078	.28840	1.7357	.00529	.94035	.00556	.00034	195.04	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03174**	**-.00097**	**.51727**	**-.00262**	**-.00072**	**6.4407**	**13.783**	**.00011**	**.31085**	**-.00006**
Stddev	.00030	.00123	.02354	.00031	.00009	.0774	.166	.00010	.00067	.00094
%RSD	.95914	126.80	4.5513	11.670	12.165	1.2018	1.2018	90.869	.21498	1709.3
#1	.03152	-.00184	.53391	-.00241	-.00066	6.4954	13.900	.00019	.31132	.00061
#2	.03196	-.00010	.50062	-.00284	-.00078	6.3860	13.666	.00004	.31038	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00020**	**.01703**	**.00026**	**.00267**	**.00354**
Stddev	.00012	.00100	.00432	.00063	.00023	.00129
%RSD	52.004	501.19	25.376	242.28	8.4946	36.562
#1	-.00014	-.00091	.02008	.00070	.00251	.00262
#2	-.00030	.00051	.01397	-.00018	.00283	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8329.9**	**111900.**	**6931.8**
Stddev	16.3	140.	35.0
%RSD	.19514	.12544	.50426
#1	8318.4	112000.	6907.1
#2	8341.4	111800.	6956.5

Sample Name: 280-48836-c-14-d Acquired: 11/12/2013 3:41:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.01215**	**.00003**	**.18040**	**.30747**	**.00000**	**-.00132**	**2.5656**	**-.00006**	**-.00010**
Stddev	.00016	.00049	.00133	.00052	.00160	.0000	.00152	.0187	.00008	.00023
%RSD	24.704	4.0198	4908.4	.28877	.52199	3169.5	114.68	.73051	128.55	232.24
#1	.00077	.01250	-.00091	.18077	.30861	.00001	-.00240	2.5788	-.00001	.00006
#2	.00054	.01181	.00097	.18003	.30634	-.00002	-.00025	2.5523	-.00012	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00180**	**.66036**	**2.5241**	**.07440**	**.33037**	**.01252**	**.00088**	**418.39**	**.00092**
Stddev	.00015	.00003	.00899	.0077	.00267	.00204	.00005	.00007	1.32	.00002
%RSD	13.443	1.4481	1.3611	.30455	3.5824	.61717	.39846	7.8051	.31435	1.8680
#1	.00122	.00178	.66672	2.5296	.07628	.33181	.01256	.00093	419.32	.00093
#2	.00101	.00182	.65400	2.5187	.07251	.32893	.01249	.00083	417.46	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03721**	**-.00166**	**.48778**	**-.00316**	**-.00083**	**8.9581**	**19.170**	**.00014**	**.39472**	**-.00348**
Stddev	.00095	.00070	.01375	.00255	.00214	.0666	.142	.00135	.00143	.00129
%RSD	2.5526	42.254	2.8197	80.592	259.04	.74308	.74308	997.14	.36181	37.168
#1	.03788	-.00216	.49751	-.00496	-.00234	9.0052	19.271	.00109	.39573	-.00440
#2	.03654	-.00117	.47806	-.00136	.00069	8.9111	19.070	-.00082	.39371	-.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00021**	**.03241**	**-.00002**	**.00279**	**.00292**
Stddev	.00000	.00003	.01775	.00004	.00008	.00236
%RSD	1.2998	13.830	54.775	178.69	2.8863	80.818
#1	-.00021	.00023	.04497	.00001	.00274	.00125
#2	-.00021	.00019	.01986	-.00005	.00285	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8093.9**	**107400.**	**6801.6**
Stddev	55.8	1036.	42.0
%RSD	.68882	.96458	.61745
#1	8133.3	106670.	6831.3
#2	8054.5	108130.	6771.9

Sample Name: CCVH-2372891 Acquired: 11/12/2013 3:44:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**50.503**	**.00421**	**.01204**	**-.00010**	**-.00007**	W **1.0967**	**.02260**	**.00000**	**-.00017**	**.00010**	**.01077**
Stddev	.00081	.081	.00092	.00094	.00012	.00004	.0061	.00229	.0000	.00019	.00001	.00004
%RSD	10.189	.16129	21.909	7.7700	128.30	49.780	.55471	10.146	10528.	111.05	10.267	.34037
#1	.00854	50.561	.00355	.01270	-.00018	-.00010	1.0924	.02422	-.00002	-.00030	.00009	.01075
#2	.00739	50.446	.00486	.01137	-.00001	-.00005	1.1010	.02098	.00002	-.00004	.00011	.01080
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.341**	**.30161**	**.00044**	**.08276**	**.00077**	**-.00042**	**268.67**	**-.00020**	**.00399**	**-.00007**	F **5.6325**	**.00073**
Stddev	.034	.02271	.00108	.00103	.00009	.00005	.71	.00036	.00039	.00079	.0402	.00287
%RSD	.06809	7.5307	247.04	1.2469	11.242	12.797	.26362	178.27	9.6643	1135.3	.71376	394.31
#1	49.365	.31767	-.00033	.08203	.00071	-.00039	268.16	-.00046	.00372	-.00063	5.6040	.00275
#2	49.318	.28555	.00120	.08349	.00083	-.00046	269.17	.00005	.00426	.00049	5.6609	-.00130
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00281**	**.02055**	**.04398**	**-.00016**	**.00040**	**5.0502**	**-.01301**	**.00058**	F **5.4485**	**.00113**	**.00130**	**.05732**
Stddev	.00034	.01081	.02313	.00074	.00003	.0108	.00050	.00065	.0180	.00035	.00024	.00039
%RSD	12.016	52.602	52.602	452.85	6.2698	.21469	3.8615	111.47	.33113	30.889	18.568	.67624
#1	-.00257	.02819	.06033	-.00069	.00038	5.0425	-.01266	.00012	5.4613	.00137	.00113	.05705
#2	-.00304	.01291	.02762	.00036	.00042	5.0579	-.01337	.00104	5.4357	.00088	.00148	.05760
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8405.5**	**110550.**	**6752.7**
Stddev	69.7	436.	2.4
%RSD	.82898	.39426	.03538
#1	8356.2	110860.	6751.0
#2	8454.7	110240.	6754.4

Sample Name: CCV-2372889 Acquired: 11/12/2013 3:46:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50343**	**.52375**	**1.0076**	**.52097**	**.51069**	**.48502**	**-.00306**	**4.9414**	**.50933**	**.50684**	**.50840**	**.51226**	**2.3872**
Stddev	.00136	.00344	.0028	.00107	.00141	.00093	.00066	.0230	.00096	.00033	.00112	.00059	.0152
%RSD	.27026	.65696	.27678	.20584	.27557	.19169	21.417	.46457	.18922	.06567	.21947	.11425	.63454
#1	.50440	.52619	1.0096	.52172	.51169	.48437	-.00260	4.9252	.51001	.50707	.50919	.51268	2.3765
#2	.50247	.52132	1.0057	.52021	.50970	.48568	-.00352	4.9577	.50865	.50660	.50761	.51185	2.3979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.556**	**1.0057**	**19.559**	**.49488**	**.51496**	F **5.8675**	**.51370**	**1.0274**	**1.0306**	**.36891**	**1.0416**	**1.0237**	**4.7383**
Stddev	.062	.0013	.014	.00035	.00011	.0115	.00323	.0031	.0020	.00688	.0020	.0018	.0389
%RSD	.11942	.12689	.07377	.07156	.02075	.19554	.62857	.30475	.19148	1.8646	.18816	.17433	.82026
#1	51.512	1.0066	19.569	.49513	.51503	5.8757	.51142	1.0252	1.0292	.37378	1.0402	1.0224	4.7108
#2	51.599	1.0048	19.548	.49463	.51488	5.8594	.51598	1.0296	1.0320	.36405	1.0430	1.0249	4.7658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.140**	**1.0186**	**.50550**	**-.00432**	**.49392**	**1.0393**	**.03846**	**.49700**	**.48976**	**.49789**
Stddev	.083	.0018	.00039	.00049	.00014	.0009	.00087	.00030	.00087	.00305
%RSD	.82026	.17767	.07684	11.309	.02892	.08915	2.2587	.05993	.17667	.61215
#1	10.081	1.0199	.50523	-.00397	.49402	1.0387	.03785	.49679	.48915	.49574
#2	10.199	1.0173	.50577	-.00466	.49382	1.0400	.03907	.49721	.49037	.50005
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8678.8**	**117620.**	**7177.8**
Stddev	5.9	606.	63.4
%RSD	.06810	.51524	.88357
#1	8674.6	117200.	7222.6
#2	8683.0	118050.	7132.9

Sample Name: CCB Acquired: 11/12/2013 3:48:52 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00347**	**.00095**	F **.00861**	**.00011**	**.00023**	**-.00063**	**.00737**	**.00009**	**.00023**	**.00008**	**-.00045**
Stddev	.00004	.00004	.00079	.00035	.00020	.00014	.00011	.00016	.00011	.00003	.00003	.00029
%RSD	5.8406	1.0598	83.549	4.0951	183.27	62.334	17.327	2.1042	114.90	13.664	32.808	63.536
#1	.00080	-.00345	.00150	.00837	.00026	.00033	-.00071	.00748	.00017	.00021	.00010	-.00025
#2	.00074	-.00350	.00039	.00886	-.00003	.00013	-.00056	.00726	.00002	.00025	.00006	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**.15039**	**.00014**	**.00355**	**.00009**	**.00013**	F **.62336**	**.00040**	**-.00039**	**-.00008**	F **.36581**	**.00163**
Stddev	.00916	.02156	.00307	.00150	.00001	.00009	.10065	.00024	.00183	.00029	.00281	.00089
%RSD	132.70	14.333	2193.2	42.381	6.5918	69.359	16.147	59.409	464.06	354.29	.76797	54.279
#1	.01339	.13515	-.00203	.00461	.00008	.00006	.69453	.00057	.00090	-.00028	.36780	.00101
#2	.00043	.16563	.00231	.00249	.00009	.00019	.55218	.00023	-.00169	.00012	.36383	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.18320				.20000	
Low Limit							-.18320				-.20000	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01821**	**.03896**	**.00057**	W **.00040**	**-.00043**	**-.00022**	**-.00024**	**.01376**	**-.00005**	**.00233**	**.00231**
Stddev	.00010	.00192	.00410	.00041	.00030	.00058	.00009	.00003	.03930	.00045	.00012	.00001
%RSD	7.1708	10.528	10.528	72.323	75.617	135.55	43.522	13.423	285.54	946.81	5.3269	.29011
#1	-.00128	.01956	.04186	.00028	.00062	-.00083	-.00028	-.00027	.04155	-.00036	.00242	.00232
#2	-.00142	.01685	.03606	.00086	.00019	-.00002	-.00015	-.00022	-.01403	.00027	.00224	.00231
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8697.6**	**119420.**	**6992.6**
Stddev	5.7	580.	6.0
%RSD	.06570	.48534	.08635
#1	8693.6	119010.	6996.9
#2	8701.7	119830.	6988.3

Sample Name: CCVL2372865 Acquired: 11/12/2013 3:51:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	F **.13874**	**.01792**	**.10911**	**.01061**	**.00110**	**.12930**	F **.32818**	**.00564**	**.01136**	**.01123**	**.01692**	F **.16354**
Stddev	.00015	.00052	.00105	.00024	.00024	.00005	.00218	.00148	.00003	.00009	.00009	.00008	.00232
%RSD	1.2609	.37340	5.8629	.22446	2.2949	4.2543	1.6885	.45151	.50083	.80196	.82712	.44965	1.4186
#1	.01142	.13838	.01867	.10893	.01078	.00107	.13084	.32713	.00566	.01142	.01116	.01687	.16518
#2	.01163	.13911	.01718	.10928	.01044	.00113	.12775	.32922	.00562	.01129	.01129	.01698	.16190
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		.10000						.20000					.10000
Range		30.000%						30.000%					30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4712**	**.01087**	**.22098**	**.01141**	**.02137**	F **1.7301**	**.04541**	**3.1381**	**.00945**	**.33366**	**.00738**	**.01606**	**.49607**
Stddev	.0095	.00033	.00146	.00009	.00015	.0186	.00004	.0105	.00023	.00620	.00175	.00019	.01905
%RSD	.27267	3.0310	.66060	.78815	.72237	1.0730	.08588	.33361	2.4353	1.8594	23.780	1.1817	3.8392
#1	3.4779	.01110	.21995	.01147	.02148	1.7433	.04543	3.1307	.00961	.33805	.00614	.01593	.48260
#2	3.4645	.01064	.22201	.01135	.02126	1.7170	.04538	3.1455	.00929	.32927	.00862	.01620	.50953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0616**	**.11302**	**.01123**	**.01632**	**.00998**	**.01701**	F **.09678**	**.01063**	F **.04567**	F **.01966**
Stddev	.0408	.00026	.00000	.00111	.00024	.00028	.04292	.00002	.00042	.00116
%RSD	3.8392	.23274	.01718	6.8198	2.3768	1.6438	44.350	.20118	.91952	5.8938
#1	1.0328	.11320	.01123	.01554	.01015	.01721	.12713	.01064	.04537	.02048
#2	1.0904	.11283	.01123	.01711	.00981	.01681	.06643	.01061	.04597	.01884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value							.06000		.02000	.01500
Range							30.000%		30.000%	30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8811.9**	**120380.**	**7146.2**
Stddev	21.1	133.	26.6
%RSD	.23986	.11025	.37188
#1	8797.0	120290.	7164.9
#2	8826.9	120470.	7127.4

Sample Name: mb 280-200278/1-a Acquired: 11/12/2013 3:53:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00288**	**.00175**	W **.00619**	**-.00044**	**.00002**	**-.00014**	**.00713**	**.00012**	**.00015**
Stddev	.00021	.00009	.00204	.00014	.00023	.00006	.00022	.00629	.00000	.00001
%RSD	40.489	3.1557	116.33	2.2336	52.468	374.39	157.39	88.239	1.3888	6.8479
#1	.00036	-.00281	.00319	.00609	-.00028	-.00003	.00002	.01158	.00012	.00016
#2	.00065	-.00294	.00031	.00629	-.00060	.00006	-.00030	.00268	.00012	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00392						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00017**	**.00071**	**.10554**	**-.00102**	**.00014**	**.00012**	**-.00009**	W **.49119**	**.00038**
Stddev	.0000	.00017	.00396	.05207	.00194	.00178	.00001	.00017	.00718	.00004
%RSD	1044.8	95.884	560.28	49.334	190.73	1313.2	9.1159	195.42	1.4622	11.594
#1	-.00002	.00006	.00350	.14236	-.00239	-.00113	.00013	-.00020	.49627	.00035
#2	.00001	.00029	-.00209	.06873	.00036	.00140	.00011	.00003	.48611	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.00026**	F **.23359**	**-.00120**	**.00019**	F **.02106**	**.04506**	**.00030**	**.00003**	**-.00036**
Stddev	.00149	.00058	.00262	.00040	.00310	.00381	.00815	.00007	.00012	.00088
%RSD	289.23	221.84	1.1202	33.763	1672.6	18.094	18.094	24.398	471.26	245.61
#1	-.00157	-.00068	.23174	-.00148	.00238	.02375	.05083	.00035	-.00006	.00026
#2	.00054	.00015	.23544	-.00091	-.00201	.01836	.03930	.00024	.00011	-.00098
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00025**	**.01794**	**-.00003**	W **.00412**	**.00552**
Stddev	.00034	.00022	.00316	.00042	.00031	.00055
%RSD	221.75	87.837	17.629	1594.0	7.4261	9.8788
#1	.00009	.00040	.02018	.00027	.00434	.00591
#2	-.00039	.00009	.01570	-.00032	.00391	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8944.7**	**121890.**	**7188.3**
Stddev	6.0	656.	14.7
%RSD	.06703	.53818	.20510
#1	8940.5	122350.	7198.7
#2	8948.9	121430.	7177.9

Sample Name: lcs 280-200278/2-a Acquired: 11/12/2013 3:55:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05255**	**1.9986**	**1.0276**	**1.0423**	**2.1131**	**.04937**	**2.3584**	**48.965**	**.10927**	**.50582**
Stddev	.00002	.0021	.0007	.0021	.0037	.00017	.0055	.047	.00038	.00023
%RSD	.03764	.10700	.06785	.20394	.17569	.33451	.23120	.09532	.34676	.04621
#1	.05256	1.9971	1.0281	1.0408	2.1104	.04926	2.3546	48.932	.10900	.50565
#2	.05253	2.0001	1.0271	1.0438	2.1157	.04949	2.3623	48.998	.10954	.50598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20868**	**.26787**	**.99131**	**53.395**	**1.0403**	**49.842**	**.50498**	**1.0441**	F **56.053**	**.50941**
Stddev	.00005	.00056	.00868	.088	.0006	.052	.00052	.0007	.390	.00028
%RSD	.02174	.20919	.87601	.16409	.06195	.10480	.10255	.06812	.69609	.05421
#1	.20871	.26827	.98517	53.333	1.0398	49.879	.50534	1.0436	55.777	.50961
#2	.20864	.26748	.99745	53.457	1.0407	49.805	.50461	1.0446	56.329	.50922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.470**	**.50091**	**.26203**	**.51090**	**2.0565**	**9.6945**	**20.746**	**2.0437**	**1.0432**	**1.0343**
Stddev	.029	.00045	.00286	.00282	.0027	.0997	.213	.0004	.0002	.0009
%RSD	.27671	.08975	1.0899	.55273	.12901	1.0288	1.0288	.02032	.01613	.08407
#1	10.449	.50059	.26405	.50891	2.0546	9.6240	20.595	2.0434	1.0433	1.0349
#2	10.490	.50122	.26001	.51290	2.0583	9.7650	20.897	2.0440	1.0431	1.0336
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0209**	**1.9995**	**2.2281**	**.51633**	**.49502**	**.51900**
Stddev	.0010	.0046	.0088	.00071	.00001	.00404
%RSD	.09423	.23266	.39421	.13759	.00205	.77844
#1	1.0216	2.0028	2.2343	.51583	.49501	.51614
#2	1.0202	1.9962	2.2218	.51683	.49502	.52185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.7**	**114680.**	**7157.3**
Stddev	14.7	212.	9.8
%RSD	.17264	.18504	.13739
#1	8493.3	114530.	7150.3
#2	8514.1	114830.	7164.2

Sample Name: 280-48836-c-13-g Acquired: 11/12/2013 3:57:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00119**	**.00071**	**.03206**	**.38424**	**.00000**	**-.00199**	**4.5363**	**.00000**	**-.00004**
Stddev	.00013	.00021	.00206	.00029	.00023	.00004	.00089	.0086	.00011	.00013
%RSD	32.870	17.379	292.30	.89463	.05877	6072.6	44.909	.18924	4570.4	315.54
#1	.00030	.00104	-.00075	.03186	.38408	-.00003	-.00136	4.5303	.00008	-.00013
#2	.00049	.00133	.00216	.03227	.38440	.00003	-.00262	4.5424	-.00007	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00079**	**.27358**	**1.2824**	**.00844**	**.87376**	**.00540**	**.00073**	**182.91**	**.00063**
Stddev	.00002	.00006	.00081	.0084	.00033	.00346	.00001	.00007	.39	.00022
%RSD	10.377	7.7268	.29455	.65437	3.8858	.39569	.14316	8.8757	.21539	35.370
#1	.00014	.00083	.27301	1.2765	.00867	.87132	.00541	.00078	182.63	.00047
#2	.00017	.00075	.27415	1.2884	.00821	.87621	.00540	.00069	183.19	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02425**	**-.00056**	**.28569**	**-.00233**	**.00209**	**5.9535**	**12.740**	**.00032**	**.29226**	**-.00055**
Stddev	.00010	.00036	.00218	.00012	.00091	.0119	.025	.00006	.00007	.00090
%RSD	.40345	63.903	.76207	5.2223	43.377	.20005	.20005	18.644	.02393	164.54
#1	.02432	-.00031	.28723	-.00224	.00273	5.9451	12.722	.00037	.29231	.00009
#2	.02418	-.00082	.28415	-.00242	.00145	5.9619	12.759	.00028	.29221	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00130**	**.01614**	**.00028**	**.00299**	**.00316**
Stddev	.00023	.00104	.02059	.00020	.00020	.00026
%RSD	109.53	80.014	127.58	70.434	6.7341	8.3198
#1	-.00005	.00056	.03070	.00014	.00313	.00297
#2	-.00038	.00203	.00158	.00042	.00285	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8465.0**	**114440.**	**7219.2**
Stddev	22.8	55.	16.8
%RSD	.26954	.04794	.23227
#1	8448.9	114400.	7207.3
#2	8481.2	114480.	7231.0

Sample Name: 280-48836-c-14-e Acquired: 11/12/2013 4:00:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.01152**	**.00091**	**.17061**	**.30161**	**-.00004**	**-.00270**	**2.4938**	**.00010**	**-.00019**
Stddev	.00011	.00042	.00166	.00188	.00170	.00005	.00090	.0088	.00014	.00002
%RSD	17.541	3.6416	182.78	1.1001	.56286	118.80	33.454	.35098	140.80	9.4481
#1	.00071	.01182	-.00027	.17194	.30281	-.00007	-.00333	2.4876	.00020	-.00018
#2	.00055	.01122	.00209	.16929	.30040	-.00001	-.00206	2.5000	.00000	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00110**	**.64371**	**2.1368**	**.07253**	**.32598**	**.01248**	**.00109**	**409.87**	**.00086**
Stddev	.00007	.00005	.00459	.0016	.00025	.00064	.00001	.00001	1.80	.00030
%RSD	5.9402	4.9832	.71256	.07350	.34385	.19547	.06552	.85965	.43976	35.008
#1	.00105	.00114	.64047	2.1357	.07235	.32553	.01248	.00110	411.14	.00107
#2	.00114	.00106	.64695	2.1379	.07271	.32643	.01247	.00109	408.59	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02465**	**-.00054**	**.34085**	**-.00359**	**.00318**	**8.7137**	**18.647**	**-.00029**	**.38678**	**-.00074**
Stddev	.00115	.00011	.00804	.00084	.00059	.0301	.064	.00059	.00155	.00052
%RSD	4.6786	21.125	2.3577	23.354	18.700	.34545	.34545	202.07	.39977	71.013
#1	.02383	-.00046	.34653	-.00299	.00276	8.6924	18.602	.00013	.38787	-.00037
#2	.02546	-.00062	.33517	-.00418	.00360	8.7350	18.693	-.00071	.38569	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00073**	**.00755**	**.00032**	**.00260**	**.00272**
Stddev	.00030	.00228	.02883	.00008	.00013	.00223
%RSD	4110.8	312.43	381.81	25.782	5.1583	81.832
#1	-.00022	.00088	-.01284	.00026	.00250	.00115
#2	.00021	-.00234	.02794	.00038	.00269	.00429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.1**	**110070.**	**7154.5**
Stddev	22.2	27.	2.5
%RSD	.27460	.02410	.03497
#1	8092.8	110050.	7156.3
#2	8061.4	110090.	7152.8

Sample Name: 280-48836-c-14-eSD@5 Acquired: 11/12/2013 4:02:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00798**	**.00095**	**.04061**	**.06372**	**-.00004**	**.00074**	**.54020**	**.00015**	**.00013**
Stddev	.00009	.00004	.00115	.00056	.00063	.00006	.00029	.00068	.00030	.00016
%RSD	32.291	.49409	121.26	1.3874	.98753	151.30	39.261	.12556	202.55	123.75
#1	.00021	.00801	.00177	.04101	.06416	-.00009	.00053	.53972	-.00006	.00024
#2	.00034	.00795	.00014	.04021	.06327	.00000	.00094	.54068	.00036	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00051**	**.14718**	**.53847**	**.01242**	**.06958**	**.00281**	**.00008**	**86.682**	**.00059**
Stddev	.00000	.00028	.00200	.00135	.00127	.00152	.00012	.00016	.124	.00019
%RSD	.08823	54.362	1.3568	.25072	10.245	2.1857	4.2598	216.01	.14275	32.520
#1	.00029	.00071	.14577	.53751	.01152	.06851	.00290	.00019	86.769	.00045
#2	.00029	.00032	.14859	.53942	.01332	.07066	.00273	-.00004	86.594	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**-.00017**	**.23681**	**-.00259**	**-.00273**	**1.8259**	**3.9074**	**.00167**	**.08173**	**.00023**
Stddev	.00011	.00028	.00055	.00036	.00191	.0004	.0008	.00001	.00069	.00091
%RSD	7.9429	157.93	.23405	13.759	70.046	.01947	.01947	.38409	.83999	396.56
#1	.00151	-.00037	.23720	-.00234	-.00408	1.8256	3.9068	.00167	.08221	.00088
#2	.00135	.00002	.23642	-.00285	-.00138	1.8261	3.9079	.00168	.08124	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00079**	**.00053**	**.00049**	**.00658**	**.00128**
Stddev	.00003	.00076	.04693	.00028	.00015	.00022
%RSD	4.9260	96.081	8913.4	56.052	2.3019	17.364
#1	-.00051	.00132	-.03266	.00069	.00647	.00112
#2	-.00055	.00025	.03371	.00030	.00669	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.6**	**110110.**	**6587.7**
Stddev	12.2	74.	15.8
%RSD	.14850	.06689	.24018
#1	8213.3	110060.	6598.9
#2	8196.0	110160.	6576.5

Sample Name: 280-48836-c-14-f ms Acquired: 11/12/2013 4:05:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05334	1.9203	1.0124	1.1517	2.3234	.04745	F 2.2284	49.634	.10644	.48158
Stddev	.00075	.0044	.0017	.0005	.0051	.00008	.0035	.141	.00033	.00088
%RSD	1.4121	.23057	.16633	.04174	.21849	.16266	.15883	.28407	.30964	.18330
#1	.05387	1.9171	1.0112	1.1513	2.3198	.04750	2.2259	49.734	.10621	.48096
#2	.05280	1.9234	1.0136	1.1520	2.3270	.04739	2.2309	49.534	.10667	.48221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20147	.25479	1.5708	55.349	1.0790	48.004	.49804	1.0106	469.11	.48807
Stddev	.00036	.00141	.0034	.012	.0027	.038	.00037	.0020	.02	.00051
%RSD	.17999	.55264	.21789	.02092	.24785	.08015	.07522	.20202	.00480	.10403
#1	.20121	.25579	1.5733	55.341	1.0809	47.977	.49777	1.0091	469.09	.48771
#2	.20172	.25380	1.5684	55.357	1.0771	48.032	.49830	1.0120	469.13	.48843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.408	.47149	.31516	.48983	2.0099	18.506	39.603	1.9617	1.3899	.99961
Stddev	.016	.00040	.00269	.00214	.0053	.102	.219	.0040	.0012	.00057
%RSD	.15792	.08378	.85460	.43698	.26241	.55188	.55188	.20536	.08566	.05702
#1	10.396	.47177	.31326	.49135	2.0062	18.434	39.449	1.9589	1.3891	1.0000
#2	10.420	.47121	.31707	.48832	2.0136	18.578	39.758	1.9646	1.3907	.99921
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98480	1.7988	2.0979	.50152	.49957	.50468
Stddev	.00085	.0038	.0096	.00250	.00107	.00254
%RSD	.08635	.21347	.45784	.49838	.21392	.50275
#1	.98540	1.8015	2.0911	.50329	.50033	.50289
#2	.98419	1.7961	2.1047	.49975	.49882	.50648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8036.2	106500.	6754.0
Stddev	23.7	477.	87.8
%RSD	.29539	.44796	1.2992
#1	8053.0	106840.	6691.9
#2	8019.4	106170.	6816.0

Sample Name: 280-48836-c-14-g msd Acquired: 11/12/2013 4:07:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05303**	**1.9190**	**1.0219**	**1.1554**	**2.3441**	**.04789**	F **2.2510**	**49.964**	**.10686**	**.48499**
Stddev	.00054	.0023	.0010	.0026	.0164	.00032	.0062	.386	.00019	.00032
%RSD	1.0270	.11764	.10166	.22058	.69938	.66364	.27518	.77234	.17313	.06555
#1	.05342	1.9174	1.0212	1.1536	2.3557	.04811	2.2466	50.237	.10673	.48477
#2	.05265	1.9206	1.0227	1.1572	2.3325	.04766	2.2553	49.691	.10699	.48522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20324**	**.25811**	**1.5888**	**55.580**	**1.0882**	**47.760**	**.49981**	**1.0156**	**472.04**	**.48993**
Stddev	.00025	.00212	.0016	.247	.0050	.059	.00039	.0013	2.46	.00046
%RSD	.12384	.82069	.09889	.44487	.46186	.12401	.07833	.12431	.52117	.09346
#1	.20306	.25961	1.5899	55.755	1.0918	47.718	.49953	1.0147	473.78	.48960
#2	.20342	.25661	1.5877	55.406	1.0847	47.802	.50009	1.0165	470.30	.49025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.468**	**.47413**	**.33371**	**.48889**	**2.0196**	**18.635**	**39.880**	**1.9633**	**1.4028**	**1.0096**
Stddev	.018	.00085	.00280	.00503	.0123	.114	.243	.0062	.0061	.0019
%RSD	.17503	.17908	.83985	1.0296	.60930	.60957	.60957	.31663	.43712	.18837
#1	10.455	.47473	.33173	.49245	2.0283	18.716	40.051	1.9677	1.4071	1.0110
#2	10.481	.47353	.33570	.48533	2.0109	18.555	39.708	1.9589	1.3984	1.0083
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98806**	**1.8100**	**2.0915**	**.50423**	**.49409**	**.50708**
Stddev	.00053	.0068	.0156	.00021	.00083	.00407
%RSD	.05330	.37677	.74623	.04168	.16886	.80215
#1	.98769	1.8148	2.0804	.50438	.49350	.50996
#2	.98843	1.8052	2.1025	.50409	.49468	.50421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.3**	**108450.**	**6988.7**
Stddev	.7	494.	28.3
%RSD	.00834	.45506	.40440
#1	8138.9	108800.	6968.7
#2	8139.8	108100.	7008.7

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:09:24 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**50.106**	**.00338**	**.00584**	**.00025**	**-.00008**	F **1.1119**	**.02943**	**-.00010**	**-.00012**	**-.00001**	**.01100**
Stddev	.00019	.039	.00138	.00023	.00006	.00003	.0016	.00140	.00019	.00026	.00013	.00010
%RSD	2.5430	.07752	40.956	3.9266	22.396	35.803	.14382	4.7533	198.12	215.75	1816.0	.90764
#1	.00749	50.134	.00240	.00600	.00029	-.00010	1.1108	.03042	-.00023	-.00031	-.00010	.01093
#2	.00777	50.079	.00436	.00567	.00021	-.00006	1.1131	.02844	.00004	.00006	.00009	.01107
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.240**	**.18554**	**-.00145**	**.08729**	**.00078**	**.00027**	**268.84**	**.00009**	**.00057**	**.00074**	W **5.4957**	**.00135**
Stddev	.023	.00695	.00121	.00294	.00002	.00026	.12	.00003	.00057	.00078	.0095	.00094
%RSD	.04683	3.7474	83.493	3.3632	2.3213	93.248	.04587	32.041	100.90	105.16	.17258	69.509
#1	48.256	.19046	-.00059	.08936	.00079	.00045	268.93	.00007	.00016	.00019	5.5024	.00069
#2	48.224	.18063	-.00230	.08521	.00076	.00009	268.75	.00012	.00097	.00129	5.4890	.00202
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**.03132**	**.06703**	**-.00009**	**.00056**	**5.0231**	**-.01234**	**.00123**	F **5.4932**	**.00142**	**.00157**	**.05774**
Stddev	.00196	.00886	.01895	.00089	.00005	.0026	.00009	.00134	.0563	.00008	.00006	.00161
%RSD	100.37	28.278	28.278	976.45	8.1678	.05128	.73953	108.48	1.0253	5.9377	3.5618	2.7936
#1	-.00057	.03759	.08043	.00054	.00059	5.0213	-.01240	.00029	5.4534	.00136	.00161	.05660
#2	-.00334	.02506	.05363	-.00072	.00052	5.0249	-.01227	.00218	5.5330	.00148	.00153	.05888
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8633.9**	**115650.**	**7118.5**
Stddev	.2	216.	1.5
%RSD	.00273	.18693	.02123
#1	8634.1	115800.	7117.4
#2	8633.8	115490.	7119.5

Sample Name: CCV-2372889 Acquired: 11/12/2013 4:11:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50342**	**.52271**	**1.0089**	**.51679**	**.51107**	**.48538**	**-.00235**	**4.9196**	**.50929**	**.50523**	**.50762**	**.51358**	**2.3738**
Stddev	.00074	.00122	.0030	.00009	.00086	.00174	.00020	.0423	.00141	.00014	.00012	.00067	.0201
%RSD	.14716	.23282	.29967	.01780	.16804	.35940	8.6877	.85895	.27716	.02798	.02387	.12960	.84731
#1	.50289	.52357	1.0068	.51685	.51046	.48415	-.00221	4.9494	.50829	.50513	.50771	.51311	2.3880
#2	.50394	.52185	1.0110	.51672	.51167	.48661	-.00250	4.8897	.51029	.50533	.50753	.51405	2.3596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.631**	**1.0089**	**19.356**	**.49043**	**.51208**	F **5.5307**	**.50995**	**1.0147**	**1.0206**	**.19005**	**1.0357**	**1.0183**	**4.7271**
Stddev	.028	.0018	.030	.00001	.00373	.0228	.00007	.0056	.0047	.00445	.0094	.0044	.0207
%RSD	.05516	.17716	.15384	.00204	.72871	.41299	.01313	.54773	.46220	2.3411	.90419	.43122	.43707
#1	51.611	1.0076	19.335	.49042	.51472	5.5468	.50991	1.0187	1.0239	.19320	1.0423	1.0214	4.7417
#2	51.651	1.0101	19.377	.49043	.50944	5.5145	.51000	1.0108	1.0172	.18691	1.0291	1.0152	4.7125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.116**	**1.0124**	**.50642**	**-.00335**	**.49047**	**1.0312**	**.01347**	**.49632**	**.48272**	**.49535**
Stddev	.044	.0063	.00092	.00112	.00058	.0035	.01532	.00067	.00014	.00362
%RSD	.43707	.62190	.18147	33.502	.11755	.33932	113.71	.13565	.02855	.73025
#1	10.147	1.0169	.50577	-.00256	.49088	1.0337	.02430	.49679	.48282	.49791
#2	10.085	1.0080	.50707	-.00415	.49006	1.0288	.00264	.49584	.48262	.49279
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8875.7**	**121250.**	**7314.6**
Stddev	23.2	26.	34.2
%RSD	.26144	.02182	.46691
#1	8892.1	121230.	7338.8
#2	8859.3	121260.	7290.5

Sample Name: CCB Acquired: 11/12/2013 4:13:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00410**	**.00140**	**.00420**	**-.00036**	**.00011**	**-.00267**	**.00342**	**.00024**	**.00009**	**.00000**	**-.00051**
Stddev	.00014	.00019	.00257	.00010	.00006	.00005	.00130	.00154	.00003	.00017	.0000	.00027
%RSD	19.553	4.5857	183.68	2.4320	16.081	44.753	48.866	45.106	10.949	200.79	840.49	53.424
#1	.00062	-.00397	-.00042	.00412	-.00032	.00015	-.00175	.00451	.00022	-.00004	-.00003	-.00032
#2	.00082	-.00423	.00321	.00427	-.00040	.00008	-.00359	.00233	.00026	.00021	.00002	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.09891**	**.00050**	**.00214**	**.00009**	**.00029**	F **.19680**	**.00063**	**-.00316**	**.00039**	**.18949**	**.00244**
Stddev	.00083	.01354	.00292	.00220	.00004	.00002	.01117	.00003	.00045	.00078	.00200	.00147
%RSD	92.546	13.694	585.47	102.80	46.515	6.2541	5.6734	5.2114	14.363	201.05	1.0550	60.237
#1	.00149	.10849	-.00157	.00370	.00013	.00030	.18891	.00061	-.00348	.00093	.19090	.00140
#2	.00031	.08933	.00257	.00059	.00006	.00028	.20470	.00065	-.00284	-.00016	.18807	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.00876**	**.01874**	**.00023**	**.00019**	**.00188**	**-.00047**	**-.00019**	**.00543**	**.00022**	**.00193**	W **.00241**
Stddev	.00100	.01324	.02833	.00052	.00007	.00189	.00017	.00053	.01684	.00005	.00044	.00142
%RSD	65.576	151.23	151.23	219.55	37.265	100.63	34.880	274.20	310.05	21.398	22.911	59.040
#1	-.00082	-.00061	-.00130	-.00013	.00014	.00321	-.00059	.00018	.01734	.00026	.00224	.00342
#2	-.00223	.01812	.03877	.00060	.00024	.00054	-.00036	-.00057	-.00648	.00019	.00162	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8734.4**	**122210.**	**7282.4**
Stddev	15.4	698.	17.6
%RSD	.17595	.57101	.24227
#1	8745.3	122700.	7269.9
#2	8723.6	121720.	7294.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 4:16:13 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.10845**	**.01582**	**.10347**	**.01031**	**.00101**	**.12286**	**.21242**	**.00519**	**.01090**	**.01061**	**.01595**	**.09984**
Stddev	.00029	.00082	.00028	.00022	.00021	.00001	.00191	.00480	.00021	.00015	.00012	.00055	.00413
%RSD	2.6388	.75622	1.7979	.21544	1.9950	.95204	1.5577	2.2593	4.0933	1.3373	1.1110	3.4290	4.1367
#1	.01071	.10787	.01562	.10331	.01016	.00102	.12421	.21581	.00504	.01100	.01053	.01634	.09692
#2	.01111	.10903	.01602	.10363	.01045	.00101	.12150	.20903	.00534	.01079	.01070	.01556	.10276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2967**	**.01220**	**.21054**	**.01036**	**.02067**	F **1.3057**	**.04293**	**2.9612**	**.00915**	**.16360**	**.00922**	**.01498**	**.50461**
Stddev	.0469	.00135	.00121	.00006	.00019	.0281	.00024	.0064	.00023	.00796	.00037	.00274	.01822
%RSD	1.4222	11.092	.57704	.59832	.92458	2.1493	.55232	.21471	2.4620	4.8683	4.0216	18.313	3.6108
#1	3.2635	.01124	.20968	.01032	.02053	1.2859	.04276	2.9567	.00931	.16923	.00896	.01691	.49173
#2	3.3298	.01316	.21140	.01041	.02080	1.3256	.04310	2.9657	.00899	.15797	.00949	.01304	.51750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0799**	**.10431**	**.01043**	**.01525**	**.00945**	**.01669**	F **.08647**	**.00997**	**.02310**	**.01672**
Stddev	.0390	.00014	.00029	.00018	.00009	.00067	.02371	.00006	.00020	.00050
%RSD	3.6108	.13500	2.7354	1.1586	.90003	4.0077	27.422	.64982	.86873	2.9656
#1	1.0523	.10421	.01023	.01512	.00951	.01716	.06970	.00993	.02324	.01707
#2	1.1074	.10441	.01064	.01537	.00939	.01622	.10323	.01002	.02295	.01637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8643.4**	**117250.**	**6688.7**
Stddev	25.1	162.	27.7
%RSD	.29027	.13840	.41376
#1	8661.1	117370.	6669.1
#2	8625.6	117140.	6708.3

Sample Name: 280-48983-f-1-d Acquired: 11/12/2013 4:18:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.18449**	**.00112**	**.01484**	**.06502**	**-.00004**	**-.00056**	**38.334**	**.00021**	**.00014**
Stddev	.00057	.00031	.00175	.00031	.00042	.00004	.00006	.222	.00015	.00006
%RSD	198.65	.16688	155.79	2.1101	.63886	108.22	10.550	.57883	72.749	44.402
#1	.00069	.18427	-.00011	.01506	.06473	-.00001	-.00052	38.177	.00010	.00019
#2	-.00012	.18470	.00236	.01462	.06532	-.00007	-.00060	38.491	.00032	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00075**	**.18015**	**1.4267**	**.00385**	**8.1636**	**.01656**	**.00067**	**12.176**	**.00069**
Stddev	.00007	.00041	.00219	.0022	.00195	.0138	.00006	.00006	.060	.00007
%RSD	28.313	54.473	1.2148	.15209	50.663	.16873	.34676	9.0448	.48964	9.9046
#1	.00030	.00046	.17861	1.4252	.00247	8.1733	.01652	.00063	12.134	.00074
#2	.00020	.00104	.18170	1.4283	.00523	8.1539	.01660	.00071	12.219	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.00019**	**16.635**	**-.00283**	**-.00017**	**6.0048**	**12.850**	**.00023**	**.33125**	**-.00021**
Stddev	.00088	.00041	.030	.00141	.00082	.0183	.039	.00017	.00176	.00006
%RSD	27.472	208.67	.17782	49.833	488.33	.30545	.30545	71.693	.53230	26.083
#1	.00257	.00048	16.656	-.00383	-.00075	5.9918	12.822	.00012	.33001	-.00025
#2	.00381	-.00009	16.614	-.00183	.00041	6.0178	12.878	.00035	.33250	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.00031**	**.01883**	**.00063**	**.00463**	**.00251**
Stddev	.00035	.00007	.03734	.00002	.00017	.00302
%RSD	9.9030	24.370	198.32	2.8909	3.5701	120.33
#1	.00377	.00036	-.00758	.00061	.00452	.00464
#2	.00328	.00025	.04524	.00064	.00475	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8495.7**	**114620.**	**6802.4**
Stddev	44.3	196.	53.5
%RSD	.52124	.17115	.78655
#1	8464.4	114480.	6840.3
#2	8527.0	114760.	6764.6

Sample Name: 280-48983-f-2-b Acquired: 11/12/2013 4:20:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.21282**	**.00009**	**.01367**	**.06134**	**-.00002**	**-.00107**	**35.222**	**.00008**	**.00011**
Stddev	.00056	.00256	.00167	.00021	.00010	.00007	.00223	.154	.00011	.00011
%RSD	138.67	1.2038	1943.1	1.5274	.16443	307.46	207.93	.43698	135.19	99.019
#1	.00001	.21101	.00126	.01382	.06141	.00003	-.00265	35.331	.00016	.00003
#2	.00080	.21463	-.00109	.01352	.06127	-.00008	.00050	35.113	.00000	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00072**	**.22891**	**1.3302**	**.00839**	**8.2757**	**.02031**	**.00062**	**17.330**	**.00031**
Stddev	.00010	.00047	.00438	.0191	.00049	.0149	.00000	.00007	.030	.00014
%RSD	86.871	64.878	1.9143	1.4335	5.8076	.18002	.00066	11.691	.17525	45.794
#1	.00005	.00106	.23201	1.3437	.00874	8.2862	.02031	.00067	17.351	.00021
#2	.00019	.00039	.22581	1.3167	.00805	8.2651	.02031	.00057	17.308	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**-.00028**	**16.997**	**-.00171**	**-.00143**	**5.3770**	**11.507**	**.00001**	**.34147**	**-.00108**
Stddev	.00317	.00116	.007	.00113	.00048	.0237	.051	.00033	.00029	.00023
%RSD	89.783	408.05	.04019	66.285	33.415	.43978	.43978	2308.9	.08504	21.325
#1	.00129	-.00111	16.992	-.00251	-.00177	5.3938	11.543	.00024	.34167	-.00125
#2	.00577	.00054	17.002	-.00091	-.00109	5.3603	11.471	-.00022	.34126	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00032**	**.05207**	**.00102**	**.00307**	**.00280**
Stddev	.00027	.00007	.00676	.00022	.00024	.00079
%RSD	7.8070	23.260	12.989	21.949	7.8824	28.076
#1	.00327	.00037	.05686	.00086	.00324	.00224
#2	.00365	.00027	.04729	.00118	.00290	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8476.1**	**114800.**	**6763.1**
Stddev	13.1	346.	44.6
%RSD	.15492	.30148	.65936
#1	8466.9	114550.	6731.5
#2	8485.4	115040.	6794.6

Sample Name: 280-48983-f-3-b Acquired: 11/12/2013 4:23:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.20443**	**.00145**	**.01352**	**.06368**	**.00006**	**-.00141**	**36.968**	**.00026**	**.00004**
Stddev	.00016	.00122	.00318	.00086	.00021	.00004	.00073	.014	.00004	.00002
%RSD	29.375	.59589	218.73	6.3431	.33646	64.436	52.031	.03911	15.562	66.842
#1	.00042	.20357	.00370	.01413	.06352	.00003	-.00192	36.978	.00028	.00005
#2	.00065	.20529	-.00079	.01292	.06383	.00008	-.00089	36.957	.00023	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00058**	**.21996**	**1.3561**	**.00623**	**8.6709**	**.02068**	**.00054**	**17.948**	**.00068**
Stddev	.00013	.00002	.00245	.0302	.00256	.0003	.00002	.00008	.142	.00013
%RSD	91.545	3.9622	1.1124	2.2238	41.076	.00310	.11340	15.871	.78934	19.301
#1	.00005	.00060	.21823	1.3347	.00804	8.6707	.02066	.00048	17.848	.00078
#2	.00024	.00056	.22169	1.3774	.00442	8.6711	.02069	.00060	18.048	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**-.00043**	**17.740**	**-.00282**	**.00026**	**5.5329**	**11.840**	**.00011**	**.35813**	**.00017**
Stddev	.00092	.00142	.028	.00117	.00064	.0532	.114	.00001	.00033	.00042
%RSD	28.582	334.36	.15755	41.423	248.71	.96094	.96094	8.6887	.09099	242.12
#1	.00257	.00058	17.720	-.00365	-.00020	5.4953	11.760	.00010	.35836	-.00012
#2	.00388	-.00143	17.759	-.00200	.00071	5.5705	11.921	.00011	.35790	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**.00003**	**-.01313**	**.00089**	**.00383**	**.00315**
Stddev	.00000	.00018	.01672	.00040	.00067	.00070
%RSD	.02153	641.60	127.34	45.065	17.416	22.124
#1	.00384	.00015	-.02496	.00061	.00430	.00364
#2	.00384	-.00010	-.00131	.00118	.00336	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8490.8**	**114660.**	**6766.4**
Stddev	2.9	386.	3.9
%RSD	.03428	.33648	.05779
#1	8488.7	114940.	6763.7
#2	8492.8	114390.	6769.2

Sample Name: 280-48983-a-4-b Acquired: 11/12/2013 4:25:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**1.9932**	**-.00190**	**.03191**	**.05323**	**.00005**	**-.00226**	**193.72**	**.00098**	**.00067**
Stddev	.00044	.0041	.00129	.00014	.00061	.00009	.00234	.54	.00007	.00001
%RSD	99.640	.20389	67.624	.43036	1.1512	175.25	103.17	.27999	6.6288	2.0638
#1	.00013	1.9961	-.00099	.03181	.05280	-.00001	-.00061	193.34	.00103	.00068
#2	.00076	1.9904	-.00282	.03201	.05366	.00011	-.00392	194.11	.00094	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00481**	**1.5147**	**6.0508**	**.06881**	**134.52**	**.02505**	**.00078**	**331.50**	**.00216**
Stddev	.00006	.00001	.0150	.0646	.00009	1.09	.00013	.00008	.87	.00042
%RSD	2.4387	.12200	.98721	1.0674	.13351	.81189	.52457	10.030	.26132	19.311
#1	.00240	.00480	1.5041	6.0965	.06888	133.75	.02496	.00072	330.89	.00187
#2	.00249	.00481	1.5253	6.0051	.06875	135.29	.02514	.00084	332.12	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06434**	**.00118**	F **435.54**	**-.00352**	**.00114**	**7.8924**	**16.890**	**.00034**	W **5.1300**	**.00027**
Stddev	.00117	.00040	1.20	.00136	.00374	.1053	.225	.00070	.0207	.00188
%RSD	1.8132	34.224	.27649	38.588	326.84	1.3340	1.3340	207.90	.40277	697.47
#1	.06352	.00089	436.39	-.00256	.00379	7.8179	16.730	.00084	5.1446	.00160
#2	.06517	.00146	434.69	-.00449	-.00150	7.9668	17.049	-.00016	5.1154	-.00106
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**.00086**	**-.04546**	**.00444**	**.01396**	**.00419**
Stddev	.00133	.00176	.01406	.00023	.00035	.00070
%RSD	2.4906	203.47	30.940	5.2272	2.5155	16.710
#1	.05415	-.00038	-.03551	.00428	.01371	.00469
#2	.05227	.00210	-.05540	.00461	.01421	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7885.6**	**105340.**	**6672.6**
Stddev	35.0	1131.	4.2
%RSD	.44376	1.0738	.06269
#1	7910.3	106140.	6669.7
#2	7860.8	104540.	6675.6

Sample Name: 280-48983-a-5-b Acquired: 11/12/2013 4:28:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00041**	**.00024**	**.00272**	**.00011**	**.00006**	**.00236**	**.10209**	**-.00004**	**.00019**
Stddev	.00024	.00019	.00023	.00021	.00024	.00002	.00154	.01680	.00016	.00009
%RSD	75.207	46.096	93.538	7.7612	222.02	27.981	65.146	16.459	367.17	49.983
#1	.00015	-.00028	.00040	.00287	.00028	.00007	.00345	.11397	-.00016	.00026
#2	.00048	-.00055	.00008	.00257	-.00006	.00004	.00128	.09021	.00007	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00001**	**.00507**	**.12670**	**-.00133**	**.03256**	**.00036**	**.00012**	**.39183**	**.00052**
Stddev	.00007	.00024	.00075	.03481	.00015	.00479	.00009	.00032	.01614	.00011
%RSD	242.10	1979.8	14.812	27.478	11.497	14.714	24.763	274.54	4.1180	21.321
#1	.00008	.00018	.00561	.15132	-.00122	.03595	.00030	-.00011	.40324	.00044
#2	-.00002	-.00016	.00454	.10208	-.00144	.02917	.00043	.00034	.38042	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00287**	**.00099**	**.18619**	**-.00167**	**.00041**	**.00370**	**.00791**	**.00020**	**.00227**	**-.00046**
Stddev	.00074	.00072	.01229	.00068	.00149	.00865	.01851	.00066	.00042	.00062
%RSD	25.700	72.602	6.6035	40.848	362.75	233.94	233.94	332.95	18.690	133.11
#1	-.00340	.00048	.19488	-.00119	-.00064	.00981	.02100	-.00027	.00257	-.00003
#2	-.00235	.00150	.17749	-.00216	.00146	-.00242	-.00517	.00067	.00197	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00016**	**.03713**	**-.00003**	**.00322**	**.00243**
Stddev	.00008	.00044	.02237	.00012	.00008	.00169
%RSD	20.803	281.24	60.239	398.51	2.4482	69.738
#1	-.00032	.00016	.05295	-.00011	.00327	.00123
#2	-.00043	-.00047	.02132	.00005	.00316	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8762.3**	**117650.**	**6774.2**
Stddev	5.4	775.	9.2
%RSD	.06165	.65890	.13567
#1	8766.1	117100.	6780.7
#2	8758.4	118190.	6767.7

Sample Name: 280-48942-f-1-b Acquired: 11/12/2013 4:30:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.11064**	**.00092**	**.03167**	**.02311**	**.00000**	**-.00064**	**29.999**	**.00020**	**.00042**
Stddev	.00008	.00130	.00119	.00069	.00050	.0000	.00144	.037	.00002	.00017
%RSD	26.736	1.1708	129.09	2.1698	2.1768	2584.4	223.69	.12391	11.399	39.292
#1	.00025	.11156	.00008	.03216	.02275	-.00003	.00037	29.972	.00021	.00054
#2	.00037	.10973	.00176	.03119	.02346	.00002	-.00166	30.025	.00018	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.08637**	**.26577**	**10.859**	**.00641**	**2.7690**	**.01687**	**.00168**	**108.36**	**.00308**
Stddev	.00018	.00129	.00112	.047	.00098	.0145	.00001	.00018	.24	.00035
%RSD	12.261	1.4944	.42253	.43000	15.283	.52228	.04664	10.713	.22501	11.406
#1	.00131	.08728	.26497	10.826	.00710	2.7793	.01687	.00155	108.18	.00283
#2	.00156	.08546	.26656	10.892	.00572	2.7588	.01686	.00180	108.53	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3453**	**.00166**	**8.9961**	**-.00207**	**-.00031**	**3.2581**	**6.9724**	**.00416**	**.09191**	**-.00003**
Stddev	.0148	.00115	.0533	.00023	.00017	.0222	.0476	.00031	.00077	.00249
%RSD	.34117	69.511	.59216	10.907	53.995	.68269	.68269	7.4211	.84064	9734.6
#1	4.3348	.00084	8.9584	-.00191	-.00043	3.2424	6.9388	.00438	.09246	.00174
#2	4.3558	.00247	9.0338	-.00223	-.00019	3.2739	7.0061	.00394	.09136	-.00179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.00051**	**-.01605**	**.00052**	**.21568**	**.00357**
Stddev	.00104	.00102	.01472	.00031	.00194	.00369
%RSD	21.865	202.44	91.696	59.261	.89888	103.31
#1	.00549	.00123	-.02646	.00074	.21705	.00096
#2	.00402	-.00022	-.00564	.00030	.21431	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8393.2**	**111740.**	**6786.9**
Stddev	56.2	468.	28.1
%RSD	.66981	.41911	.41459
#1	8353.5	111410.	6806.8
#2	8433.0	112070.	6767.0

Sample Name: 280-48973-e-1-c Acquired: 11/12/2013 4:32:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.15631**	**.00176**	**.18028**	**.05318**	**.00000**	**-.00308**	**44.846**	**.00033**	**.00022**
Stddev	.00017	.00113	.00023	.00029	.00016	.0001	.00214	.060	.00010	.00004
%RSD	119.26	.72511	13.152	.16033	.29942	2764.3	69.525	.13433	29.304	16.485
#1	-.00027	.15551	.00192	.18048	.05307	-.00005	-.00460	44.804	.00039	.00020
#2	-.00002	.15712	.00160	.18008	.05329	.00005	-.00157	44.889	.00026	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.01093**	**.90342**	**48.621**	**.01698**	**11.581**	**.10873**	**.00182**	**86.169**	**.00336**
Stddev	.00010	.00051	.00648	.142	.00147	.010	.00023	.00017	.272	.00000
%RSD	10.944	4.7061	.71753	.29166	8.6793	.08471	.20975	9.4154	.31623	.08813
#1	.00083	.01057	.89883	48.520	.01803	11.588	.10889	.00170	85.976	.00336
#2	.00097	.01130	.90800	48.721	.01594	11.574	.10857	.00194	86.361	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29325**	**.00051**	**26.659**	**-.00176**	**.00225**	**3.8405**	**8.2188**	**.00029**	**.29095**	**-.00075**
Stddev	.00292	.00101	.002	.00217	.00000	.0476	.1018	.00038	.00136	.00058
%RSD	.99444	199.01	.00906	123.49	.06397	1.2381	1.2381	131.91	.46657	77.090
#1	.29119	-.00021	26.661	-.00329	.00225	3.8069	8.1468	.00002	.28999	-.00034
#2	.29531	.00123	26.657	-.00022	.00225	3.8742	8.2907	.00056	.29191	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**-.00037**	**.04625**	**.00053**	**.04030**	**.00371**
Stddev	.00016	.00085	.00611	.00050	.00014	.00031
%RSD	21.640	232.61	13.201	93.027	.35608	8.2793
#1	.00086	-.00097	.04194	.00088	.04040	.00350
#2	.00063	.00024	.05057	.00018	.04020	.00393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.8**	**112310.**	**6846.0**
Stddev	35.3	45.	24.6
%RSD	.42201	.04027	.35984
#1	8340.8	112340.	6828.5
#2	8390.7	112280.	6863.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:34:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00830**	**50.436**	**.00004**	**.00259**	**-.00014**	**-.00012**	W **1.0847**	**.03031**	**-.00017**	**-.00024**	**.00006**	**.01062**
Stddev	.00072	.344	.00062	.00058	.00004	.00000	.0013	.00291	.00010	.00000	.00007	.00027
%RSD	8.6292	.68136	1443.4	22.477	26.567	1.0624	.11848	9.6103	55.742	1.0857	118.66	2.5783
#1	.00880	50.679	-.00040	.00218	-.00017	-.00012	1.0838	.03237	-.00010	-.00024	.00011	.01042
#2	.00779	50.193	.00048	.00300	-.00011	-.00012	1.0857	.02825	-.00024	-.00024	.00001	.01081
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.073**	**.10325**	**-.00254**	**.08409**	**.00077**	**-.00031**	**270.40**	**-.00025**	**-.00166**	**-.00037**	W **5.2856**	**-.00015**
Stddev	.154	.05878	.00222	.00057	.00001	.00012	.64	.00043	.00001	.00156	.0128	.00247
%RSD	.31475	56.926	87.426	.67865	.87948	39.448	.23685	168.82	.70665	418.87	.24228	1596.9
#1	49.182	.14481	-.00097	.08449	.00076	-.00022	270.85	-.00055	-.00165	-.00147	5.2765	-.00190
#2	48.964	.06169	-.00412	.08368	.00077	-.00039	269.95	.00005	-.00167	.00073	5.2946	.00159
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00442**	**.01431**	**.03063**	**.00044**	**.00034**	**5.0066**	**-.01311**	**.00018**	F **5.4059**	**.00134**	**.00126**	**.05536**
Stddev	.00248	.00370	.00792	.00094	.00009	.0165	.00034	.00087	.0255	.00064	.00022	.00035
%RSD	56.232	25.859	25.859	213.50	26.150	.32957	2.6067	470.93	.47115	48.276	17.343	.63985
#1	-.00266	.01170	.02503	-.00022	.00041	5.0183	-.01335	.00080	5.4239	.00179	.00111	.05561
#2	-.00617	.01693	.03623	.00111	.00028	4.9950	-.01287	-.00043	5.3879	.00088	.00141	.05511
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.3**	**110370.**	**6650.8**
Stddev	11.8	827.	43.9
%RSD	.14247	.74936	.66070
#1	8281.9	110960.	6619.7
#2	8298.6	109790.	6681.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 4:37:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50225**	**.53218**	**1.0010**	**.50505**	**.50579**	**.48202**	**-.00431**	**4.9715**	**.50363**	**.50409**	**.50656**	**.50653**	**2.3992**
Stddev	.00120	.00233	.0022	.00041	.00261	.00043	.00037	.0199	.00008	.00142	.00045	.00083	.0124
%RSD	.23975	.43830	.22273	.08064	.51565	.09003	8.5925	.39967	.01500	.28117	.08793	.16479	.51652
#1	.50140	.53383	1.0026	.50534	.50395	.48232	-.00458	4.9574	.50358	.50309	.50688	.50594	2.3904
#2	.50310	.53053	.99942	.50476	.50763	.48171	-.00405	4.9855	.50369	.50509	.50625	.50712	2.4079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.118**	**1.0092**	**19.953**	**.49522**	**.50918**	**5.4349**	**.51036**	**1.0024**	**1.0224**	**.11871**	**1.0153**	**1.0035**	**4.7819**
Stddev	.206	.0058	.036	.00128	.00124	.0263	.00099	.0006	.0002	.00147	.0083	.0127	.0283
%RSD	.39502	.57582	.17845	.25933	.24402	.48312	.19310	.05484	.02162	1.2379	.82109	1.2674	.59270
#1	51.972	1.0051	19.928	.49432	.51006	5.4163	.50966	1.0020	1.0222	.11767	1.0094	.99446	4.7619
#2	52.263	1.0133	19.978	.49613	.50830	5.4534	.51106	1.0028	1.0225	.11975	1.0212	1.0124	4.8020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.233**	**1.0208**	**.50217**	**-.00319**	**.49173**	**1.0245**	**.01910**	**.49896**	**.50242**	**.49195**
Stddev	.061	.0049	.00249	.00064	.00077	.0032	.02763	.00162	.00001	.00287
%RSD	.59270	.47577	.49581	20.046	.15724	.31381	144.63	.32496	.00202	.58324
#1	10.190	1.0173	.50041	-.00364	.49118	1.0223	.03864	.49781	.50242	.48992
#2	10.276	1.0242	.50393	-.00274	.49227	1.0268	-.00043	.50011	.50241	.49398
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8420.4**	**112930.**	**6643.9**
Stddev	4.4	533.	1.4
%RSD	.05268	.47207	.02134
#1	8417.3	113310.	6642.9
#2	8423.5	112550.	6644.9

Sample Name: CCB Acquired: 11/12/2013 4:39:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.00353**	**.00038**	**.00188**	**-.00020**	**.00010**	**.00132**	**.00585**	**-.00004**	**.00019**	**-.00001**	**-.00035**
Stddev	.00038	.00033	.00215	.00049	.00018	.00005	.00163	.00379	.00009	.00008	.00006	.00020
%RSD	43.258	9.4279	567.86	26.120	91.284	51.882	123.67	64.824	243.07	44.746	1154.8	56.655
#1	.00062	-.00329	.00190	.00153	-.00007	.00014	.00017	.00317	-.00010	.00025	.00004	-.00049
#2	.00116	-.00376	-.00114	.00223	-.00032	.00007	.00248	.00853	.00003	.00013	-.00005	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.05547**	**-.00100**	**.00410**	**.00012**	**.00023**	W **.13019**	**.00041**	**-.00485**	**-.00033**	**.11856**	**.00302**
Stddev	.00039	.03011	.00159	.00062	.00006	.00009	.00120	.00020	.00041	.00078	.00391	.00028
%RSD	189.28	54.275	159.05	15.184	50.333	38.120	.92111	49.112	8.5544	235.05	3.3006	9.2317
#1	.00007	.07676	-.00213	.00366	.00008	.00029	.12935	.00027	-.00514	.00022	.12133	.00282
#2	-.00048	.03418	.00012	.00454	.00016	.00017	.13104	.00056	-.00455	-.00088	.11579	.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00722**	**.01546**	**.00061**	**.00012**	**-.00015**	**-.00043**	**.00042**	**.02910**	**.00039**	**.00235**	W **.00303**
Stddev	.00094	.00445	.00953	.00027	.00000	.00212	.00034	.00050	.00663	.00035	.00001	.00073
%RSD	176.30	61.645	61.645	44.725	1.7695	1378.9	78.375	119.19	22.778	88.925	.57758	24.234
#1	.00013	.00407	.00872	.00080	.00012	.00135	-.00067	.00078	.03379	.00063	.00234	.00354
#2	-.00120	.01037	.02219	.00042	.00012	-.00165	-.00019	.00007	.02441	.00014	.00235	.00251
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8461.1**	**114450.**	**6498.4**
Stddev	18.5	534.	29.2
%RSD	.21899	.46694	.44980
#1	8448.0	114830.	6519.1
#2	8474.2	114080.	6477.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 4:41:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.10752**	**.01542**	**.10158**	**.00999**	**.00095**	**.12636**	**.20618**	**.00543**	**.01076**	**.01036**	**.01579**	**.09280**
Stddev	.00009	.00017	.00168	.00055	.00005	.00012	.00027	.00348	.00020	.00001	.00004	.00017	.00159
%RSD	.86763	.16137	10.888	.54271	.49759	12.598	.21353	1.6889	3.6945	.06528	.39984	1.0504	1.7084
#1	.01094	.10764	.01424	.10197	.00995	.00104	.12655	.20371	.00557	.01075	.01033	.01591	.09167
#2	.01081	.10740	.01661	.10119	.01002	.00087	.12616	.20864	.00529	.01076	.01039	.01568	.09392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1636**	**.00980**	**.21029**	**.01014**	**.02011**	**1.1795**	**.04274**	**2.9821**	**.00979**	**.08391**	**.00771**	**.01576**	**.49333**
Stddev	.0409	.00201	.00122	.00010	.00005	.0216	.00003	.0023	.00032	.00097	.00066	.00025	.00151
%RSD	1.2938	20.492	.57843	.95269	.26321	1.8336	.06701	.07729	3.2298	1.1547	8.5486	1.6097	.30552
#1	3.1346	.01122	.20943	.01007	.02007	1.1642	.04276	2.9837	.00957	.08459	.00818	.01558	.49226
#2	3.1925	.00838	.21115	.01021	.02015	1.1948	.04272	2.9805	.01002	.08322	.00725	.01594	.49439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0557**	**.10435**	**.01032**	**.01472**	**.00930**	**.01637**	F **.09300**	**.00950**	**.02346**	**.01778**
Stddev	.0032	.00092	.00021	.00033	.00000	.00080	.00816	.00037	.00033	.00098
%RSD	.30552	.88415	2.0237	2.2092	.01610	4.8738	8.7773	3.9105	1.4174	5.4991
#1	1.0534	.10500	.01017	.01449	.00930	.01580	.08723	.00976	.02322	.01709
#2	1.0580	.10370	.01047	.01495	.00930	.01693	.09878	.00924	.02369	.01847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8750.1**	**118530.**	**6779.5**
Stddev	15.9	90.	57.5
%RSD	.18212	.07593	.84741
#1	8761.4	118460.	6820.1
#2	8738.9	118590.	6738.8

Sample Name: mb 280-200000/1-a Acquired: 11/12/2013 4:44:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00201**	**.00030**	**.00136**	**-.00036**	**-.00002**	**.00042**	**.00868**	**.00004**	**.00026**
Stddev	.00001	.00038	.00030	.00057	.00018	.00005	.00040	.00183	.00009	.00012
%RSD	1.9100	18.797	101.19	41.890	50.017	278.27	96.037	21.077	228.47	47.050
#1	.00071	-.00227	.00008	.00096	-.00023	-.00006	.00013	.00738	.00010	.00017
#2	.00073	-.00174	.00051	.00177	-.00048	.00002	.00070	.00997	-.00002	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00324**	**.00555**	**-.03491**	**-.00079**	**-.00005**	**.00012**	**-.00003**	**.10658**	**.00047**
Stddev	.00003	.00037	.00003	.02645	.00187	.00069	.00005	.00000	.00219	.00019
%RSD	33.201	11.516	.45068	75.775	236.48	1541.0	44.502	10.046	2.0571	39.535
#1	.00013	.00350	.00557	-.05361	.00053	.00045	.00016	-.00003	.10503	.00034
#2	.00008	.00298	.00553	-.01620	-.00212	-.00054	.00008	-.00004	.10813	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00231**	**.00023**	W **.08913**	**-.00232**	**-.00133**	**.01272**	**.02723**	**-.00002**	**-.00002**	**-.00015**
Stddev	.00004	.00036	.00304	.00202	.00189	.00245	.00524	.00001	.00010	.00034
%RSD	1.5242	157.57	3.4101	86.830	141.55	19.230	19.230	58.998	555.11	221.27
#1	-.00229	-.00003	.09128	-.00090	.00000	.01445	.03093	-.00003	-.00009	-.00039
#2	-.00234	.00048	.08698	-.00375	-.00267	.01099	.02353	-.00001	.00005	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00025**	**.01801**	**-.00014**	**.00404**	**.00357**
Stddev	.00022	.00020	.01799	.00026	.00034	.00085
%RSD	280.05	80.095	99.884	192.81	8.3127	23.839
#1	-.00024	.00011	.03073	.00005	.00428	.00417
#2	.00008	.00040	.00529	-.00032	.00380	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8757.1**	**118620.**	**6764.3**
Stddev	8.0	485.	17.6
%RSD	.09100	.40921	.25973
#1	8762.7	118270.	6751.9
#2	8751.5	118960.	6776.8

Sample Name: lcs 280-200000/2-a Acquired: 11/12/2013 4:46:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05101**	**1.9969**	**1.0090**	**1.0268**	**2.0626**	**.04855**	**2.3241**	**48.336**	**.10779**	**.49543**
Stddev	.00096	.0130	.0032	.0043	.0077	.00008	.0076	.200	.00037	.00196
%RSD	1.8879	.64832	.31466	.41928	.37540	.15918	.32774	.41347	.34012	.39526
#1	.05033	2.0060	1.0113	1.0299	2.0571	.04860	2.3295	48.195	.10804	.49682
#2	.05169	1.9877	1.0068	1.0238	2.0680	.04849	2.3187	48.478	.10753	.49405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.26167**	**.97054**	**52.875**	**1.0223**	**50.050**	**.49445**	**1.0270**	**55.131**	**.49998**
Stddev	.00104	.00108	.00563	.273	.0054	.151	.00157	.0056	.086	.00295
%RSD	.50608	.41135	.57964	.51608	.52986	.30131	.31827	.54993	.15570	.58976
#1	.20586	.26244	.97452	52.682	1.0185	49.943	.49333	1.0310	55.070	.50206
#2	.20439	.26091	.96656	53.068	1.0262	50.156	.49556	1.0230	55.192	.49789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.354**	**.49568**	**.09272**	**.50074**	**2.0449**	**9.6355**	**20.620**	**2.0322**	**1.0191**	**1.0069**
Stddev	.063	.00150	.00041	.00524	.0114	.0534	.114	.0095	.0040	.0078
%RSD	.61067	.30218	.43701	1.0457	.55771	.55408	.55408	.46889	.39635	.77362
#1	10.399	.49674	.09301	.50444	2.0530	9.6732	20.701	2.0389	1.0163	1.0014
#2	10.310	.49462	.09243	.49704	2.0368	9.5977	20.539	2.0255	1.0220	1.0124
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99527**	**1.9800**	**2.1693**	**.50656**	**.49533**	**.50913**
Stddev	.00216	.0073	.0021	.00180	.00275	.00012
%RSD	.21691	.37142	.09564	.35610	.55536	.02386
#1	.99374	1.9852	2.1708	.50528	.49338	.50904
#2	.99679	1.9748	2.1679	.50783	.49727	.50922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8391.1**	**112270.**	**6821.2**
Stddev	35.3	163.	27.5
%RSD	.42103	.14560	.40256
#1	8366.1	112380.	6840.6
#2	8416.1	112150.	6801.7

Sample Name: 280-48967-a-7-a Acquired: 11/12/2013 4:48:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00582**	**.00020**	**.78759**	**.02110**	**.00001**	**.00027**	**3.1169**	**.00008**	**-.00001**
Stddev	.00001	.00007	.00321	.00163	.00037	.00008	.00083	.0035	.00009	.00011
%RSD	1.5321	1.1820	1606.1	.20721	1.7421	658.56	303.56	.11160	111.63	725.15
#1	.00069	.00577	-.00207	.78874	.02136	.00007	-.00031	3.1194	.00015	.00006
#2	.00068	.00587	.00247	.78643	.02084	-.00004	.00086	3.1145	.00002	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00167**	**.56398**	**3.1999**	**.01896**	**.99758**	**.01259**	**.00273**	**446.82**	**.00058**
Stddev	.00004	.00031	.00109	.0119	.00267	.00302	.00001	.00006	1.22	.00011
%RSD	39.317	18.488	.19289	.37186	14.099	.30225	.09309	2.1043	.27209	18.312
#1	.00014	.00189	.56475	3.1915	.01707	.99971	.01260	.00269	447.68	.00051
#2	.00008	.00146	.56321	3.2083	.02085	.99545	.01258	.00277	445.96	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05941**	**.00185**	**.13172**	**-.00085**	**-.00066**	**4.5310**	**9.6964**	**.00011**	**.32184**	**-.00094**
Stddev	.00105	.00062	.00263	.00031	.00180	.0156	.0333	.00046	.00090	.00152
%RSD	1.7697	33.329	1.9953	36.645	273.73	.34331	.34331	430.14	.27887	161.36
#1	.05867	.00141	.12986	-.00063	-.00194	4.5420	9.7200	-.00022	.32247	-.00202
#2	.06015	.00229	.13358	-.00107	.00062	4.5200	9.6729	.00043	.32120	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00061**	**.00854**	**.00024**	**.00487**	**.00237**
Stddev	.00006	.00082	.06558	.00002	.00012	.00057
%RSD	264.86	133.72	768.22	8.5726	2.4877	24.160
#1	.00007	.00003	.05491	.00022	.00496	.00278
#2	-.00002	.00119	-.03783	.00025	.00478	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8070.7**	**107600.**	**6691.2**
Stddev	117.4	520.	44.6
%RSD	1.4550	.48330	.66708
#1	8153.8	107230.	6659.7
#2	7987.7	107960.	6722.8

Sample Name: 280-48967-a-7-aSD@5 Acquired: 11/12/2013 4:50:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.01749**	**.00101**	**.18048**	**.00469**	**-.00003**	**.00068**	**.71089**	**-.00025**	**.00027**
Stddev	.00018	.00022	.00133	.00025	.00003	.00006	.00369	.00248	.00007	.00010
%RSD	26.428	1.2612	131.65	.13632	.56285	248.11	540.20	.34872	28.918	35.697
#1	.00081	.01764	.00195	.18031	.00471	-.00007	-.00193	.71264	-.00030	.00034
#2	.00056	.01733	.00007	.18065	.00467	.00002	.00329	.70914	-.00020	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00068**	**.14044**	**.74539**	**.00288**	**.23034**	**.00302**	**.00049**	**102.24**	**.00042**
Stddev	.00002	.00012	.00226	.00093	.00008	.00344	.00003	.00002	.32	.00009
%RSD	420.94	17.288	1.6079	.12445	2.8687	1.4926	.98365	3.2107	.31507	21.300
#1	-.00001	.00060	.14204	.74604	.00282	.22791	.00300	.00050	102.47	.00035
#2	.00002	.00076	.13884	.74473	.00294	.23277	.00305	.00048	102.02	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.00031**	**.09851**	**-.00070**	**.00073**	**1.0303**	**2.2048**	**.00222**	**.07440**	**.00027**
Stddev	.00180	.00079	.00012	.00377	.00137	.0324	.0693	.00075	.00040	.00219
%RSD	15.808	250.08	.12078	537.25	189.22	3.1455	3.1455	33.920	.54000	815.31
#1	.01269	.00087	.09860	-.00337	.00170	1.0532	2.2538	.00275	.07468	.00181
#2	.01014	-.00024	.09843	.00196	-.00025	1.0074	2.1558	.00168	.07411	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00047**	**-.00679**	**.00002**	**.00615**	**.00234**
Stddev	.00016	.00001	.03818	.00029	.00026	.00237
%RSD	36.138	3.0689	562.15	1391.7	4.1667	101.15
#1	-.00055	.00046	-.03379	-.00019	.00597	.00067
#2	-.00033	.00048	.02020	.00023	.00633	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8178.6**	**109760.**	**6511.8**
Stddev	24.8	382.	37.1
%RSD	.30329	.34765	.56928
#1	8161.0	110030.	6485.6
#2	8196.1	109490.	6538.1

Sample Name: 280-48967-a-7-b ms Acquired: 11/12/2013 4:53:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04755**	**1.7717**	**.92598**	**1.6424**	**1.8557**	**.04299**	F **2.0191**	**46.012**	**.09683**	**.43883**
Stddev	.00100	.0074	.00688	.0025	.0006	.00010	.0015	.030	.00004	.00128
%RSD	2.0988	.41839	.74312	.15071	.03028	.22370	.07313	.06610	.04389	.29153
#1	.04826	1.7769	.93084	1.6442	1.8553	.04292	2.0180	45.991	.09686	.43973
#2	.04684	1.7664	.92111	1.6407	1.8561	.04306	2.0201	46.034	.09680	.43792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18262**	**.23355**	**1.3427**	**51.847**	**.93702**	**45.192**	**.45818**	**.92106**	**480.15**	**.44436**
Stddev	.00070	.00101	.0027	.173	.00074	.342	.00342	.00187	.45	.00096
%RSD	.38448	.43067	.20422	.33456	.07949	.75628	.74645	.20285	.09387	.21518
#1	.18312	.23427	1.3446	51.725	.93754	45.434	.46059	.92238	479.83	.44504
#2	.18213	.23284	1.3407	51.970	.93649	44.950	.45576	.91974	480.46	.44368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.5737**	**.43316**	**.11258**	**.44152**	**1.8408**	**12.950**	**27.714**	**1.7957**	**1.2189**	**.91610**
Stddev	.0072	.00075	.00109	.00108	.0027	.026	.056	.0031	.0015	.00654
%RSD	.07544	.17224	.96472	.24409	.14740	.20093	.20093	.17199	.12756	.71423
#1	9.5789	.43368	.11335	.44076	1.8427	12.969	27.753	1.7979	1.2200	.92073
#2	9.5686	.43263	.11181	.44228	1.8389	12.932	27.674	1.7935	1.2178	.91147
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90328**	**1.6424**	**1.8825**	**.46071**	**.46481**	**.45130**
Stddev	.00490	.0032	.0192	.00394	.00277	.00048
%RSD	.54281	.19282	1.0209	.85415	.59592	.10529
#1	.90675	1.6446	1.8689	.46349	.46677	.45164
#2	.89982	1.6401	1.8961	.45792	.46285	.45096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.7**	**103580.**	**6500.7**
Stddev	8.6	109.	38.0
%RSD	.10798	.10540	.58490
#1	7925.6	103500.	6527.6
#2	7937.7	103660.	6473.8

Sample Name: 280-48967-a-7-c msd Acquired: 11/12/2013 4:55:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**1.9301**	**1.0137**	**1.7739**	**2.0410**	**.04751**	F **2.2083**	**50.513**	**.10622**	**.48042**
Stddev	.00025	.0035	.0017	.0009	.0093	.00038	.0025	.136	.00026	.00006
%RSD	.49266	.18229	.16492	.05051	.45413	.79876	.11163	.26913	.24842	.01342
#1	.05176	1.9326	1.0149	1.7745	2.0476	.04778	2.2101	50.609	.10603	.48046
#2	.05140	1.9276	1.0126	1.7732	2.0345	.04724	2.2066	50.416	.10641	.48037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20058**	**.25631**	**1.7821**	**56.999**	**1.0328**	**49.157**	**.50391**	**1.0124**	W **517.67**	**.48715**
Stddev	.00009	.00012	.0023	.236	.0071	.164	.00042	.0013	2.52	.00047
%RSD	.04383	.04627	.12989	.41480	.68854	.33461	.08379	.12504	.48700	.09696
#1	.20064	.25623	1.7838	57.166	1.0378	49.274	.50420	1.0133	519.46	.48749
#2	.20052	.25640	1.7805	56.831	1.0278	49.041	.50361	1.0115	515.89	.48682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.496**	**.47354**	**.13043**	**.48564**	**2.0182**	**14.236**	**30.465**	**1.9682**	**1.3360**	**.99744**
Stddev	.005	.00036	.00115	.00029	.0043	.169	.361	.0005	.0044	.00020
%RSD	.05193	.07527	.88284	.05902	.21440	1.1840	1.1840	.02338	.33050	.02047
#1	10.500	.47380	.13124	.48584	2.0212	14.355	30.720	1.9679	1.3391	.99759
#2	10.493	.47329	.12962	.48543	2.0151	14.117	30.210	1.9685	1.3329	.99730
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99279**	**1.7936**	**2.1388**	**.50561**	**.50573**	**.50045**
Stddev	.00119	.0033	.0138	.00108	.00217	.00817
%RSD	.12019	.18447	.64271	.21275	.42934	1.6334
#1	.99363	1.7959	2.1485	.50637	.50726	.50623
#2	.99194	1.7913	2.1291	.50485	.50419	.49467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7946.9**	**104630.**	**6634.8**
Stddev	1.5	480.	2.3
%RSD	.01872	.45847	.03424
#1	7945.8	104290.	6633.2
#2	7947.9	104970.	6636.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:57:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00766**	**49.931**	**.00063**	**.00529**	**.00021**	**-.00012**	W **1.0771**	**.03417**	**-.00006**	**.00003**	**.00003**	**.01126**
Stddev	.00004	.037	.00030	.00002	.00026	.00001	.0033	.00455	.00008	.00029	.00014	.00041
%RSD	.52295	.07424	47.006	.28378	125.40	4.0626	.30856	13.312	134.16	1069.4	432.93	3.6040
#1	.00768	49.905	.00042	.00530	.00039	-.00012	1.0748	.03739	.00000	.00023	-.00007	.01097
#2	.00763	49.957	.00085	.00528	.00002	-.00013	1.0795	.03096	-.00012	-.00018	.00013	.01155
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.070**	**.11305**	**-.00147**	**.08771**	**.00080**	**.00039**	**268.66**	**-.00023**	**.00016**	**.00096**	**5.2203**	**-.00181**
Stddev	.410	.01722	.00124	.00010	.00003	.00019	1.16	.00008	.00229	.00032	.0159	.00103
%RSD	.85303	15.235	84.058	.11391	3.5314	48.065	.43213	37.270	1438.6	33.509	.30440	56.834
#1	47.780	.12523	-.00060	.08778	.00078	.00052	267.84	-.00017	.00177	.00119	5.2091	-.00108
#2	48.360	.10087	-.00235	.08764	.00082	.00025	269.48	-.00029	-.00146	.00073	5.2316	-.00254
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	**.00812**	**.01737**	**.00064**	**.00063**	**5.0207**	**-.01279**	**.00196**	F **5.3980**	**.00162**	**.00139**	**.05350**
Stddev	.00304	.01355	.02900	.00055	.00015	.0285	.00015	.00086	.0235	.00050	.00036	.00131
%RSD	64.807	166.92	166.92	85.598	23.303	.56831	1.1500	43.884	.43461	30.987	25.842	2.4522
#1	-.00685	.01770	.03788	.00102	.00074	5.0005	-.01269	.00135	5.3814	.00197	.00165	.05257
#2	-.00254	-.00146	-.00313	.00025	.00053	5.0409	-.01289	.00256	5.4146	.00126	.00114	.05443
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8318.4**	**110000.**	**6651.5**
Stddev	17.9	212.	72.6
%RSD	.21518	.19305	1.0910
#1	8305.8	110150.	6702.8
#2	8331.1	109850.	6600.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:00:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50015**	**.53085**	**1.0019**	**.51095**	**.50475**	**.47819**	**-.00436**	**4.8663**	**.50505**	**.50456**	**.50673**	**.50589**	**2.3448**
Stddev	.00094	.00189	.0027	.00134	.00138	.00036	.00085	.0022	.00120	.00170	.00098	.00119	.0019
%RSD	.18770	.35599	.26446	.26146	.27373	.07491	19.488	.04414	.23799	.33658	.19345	.23582	.08202
#1	.50082	.53219	1.0000	.51000	.50378	.47794	-.00496	4.8647	.50590	.50576	.50742	.50505	2.3434
#2	.49949	.52951	1.0038	.51189	.50573	.47845	-.00376	4.8678	.50420	.50336	.50604	.50674	2.3461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.520**	**1.0006**	**19.745**	**.49307**	**.51168**	**5.4009**	**.51142**	**1.0068**	**1.0269**	**.08665**	**1.0206**	**1.0005**	**4.6884**
Stddev	.155	.0013	.033	.00041	.00011	.0154	.00143	.0030	.0029	.00214	.0011	.0011	.0207
%RSD	.30129	.13068	.16459	.08380	.02125	.28499	.28002	.29676	.28106	2.4690	.11131	.10790	.44174
#1	51.410	.99964	19.768	.49337	.51160	5.3900	.51041	1.0089	1.0289	.08816	1.0214	.99970	4.6738
#2	51.629	1.0015	19.722	.49278	.51176	5.4118	.51243	1.0047	1.0249	.08514	1.0198	1.0012	4.7030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.033**	**1.0187**	**.49945**	**-.00380**	**.49030**	**1.0310**	**.01140**	**.49496**	**.49799**	**.48895**
Stddev	.044	.0024	.00072	.00071	.00047	.0021	.00816	.00183	.00212	.00141
%RSD	.44174	.23652	.14377	18.693	.09684	.20728	71.623	.37038	.42472	.28748
#1	10.002	1.0204	.49894	-.00431	.49063	1.0325	.00562	.49626	.49949	.48994
#2	10.065	1.0170	.49995	-.00330	.48996	1.0295	.01717	.49366	.49649	.48795
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8421.5**	**113530.**	**6845.6**
Stddev	9.9	291.	53.2
%RSD	.11708	.25621	.77700
#1	8414.6	113320.	6883.2
#2	8428.5	113730.	6808.0

Sample Name: CCB Acquired: 11/12/2013 5:02:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00306**	**.00142**	**.00322**	**.00023**	**.00015**	**-.00022**	**.00749**	**.00012**	**.00005**	**.00010**	**.00014**
Stddev	.00037	.00020	.00008	.00015	.00027	.00003	.00273	.00498	.00001	.00028	.00004	.00024
%RSD	59.119	6.4469	5.4592	4.6128	115.53	21.513	1219.3	66.440	10.419	552.32	37.041	165.61
#1	.00037	-.00292	.00137	.00333	.00004	.00013	-.00215	.00397	.00011	.00025	.00013	-.00002
#2	.00090	-.00320	.00147	.00312	.00043	.00017	.00170	.01101	.00013	-.00015	.00008	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.10233**	**-.00097**	**.00549**	**.00005**	**.00028**	W **.14877**	**.00039**	**-.00429**	**.00020**	**.08244**	W **.00390**
Stddev	.00091	.01805	.00167	.00093	.00000	.00015	.01366	.00009	.00076	.00111	.00103	.00158
%RSD	104.44	17.643	172.32	16.930	3.8698	54.752	9.1826	23.930	17.663	560.07	1.2482	40.539
#1	.00023	.11509	-.00215	.00614	.00005	.00017	.15843	.00033	-.00376	.00098	.08171	.00501
#2	.00151	.08956	.00021	.00483	.00005	.00039	.13911	.00046	-.00483	-.00059	.08317	.00278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00187**	**.02093**	**.04479**	**.00055**	**.00014**	**.00050**	**.00001**	**.00061**	**.02335**	**.00020**	**.00252**	W **.00255**
Stddev	.00426	.00784	.01677	.00033	.00016	.00205	.00039	.00047	.01635	.00005	.00000	.00052
%RSD	228.44	37.445	37.445	60.324	114.64	413.82	6468.5	77.054	70.037	23.071	.08978	20.428
#1	-.00488	.01539	.03293	.00078	.00025	-.00096	-.00027	.00028	.03491	.00016	.00252	.00218
#2	.00115	.02647	.05665	.00031	.00003	.00195	.00028	.00095	.01178	.00023	.00251	.00292
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8486.1**	**115170.**	**6589.7**
Stddev	2.9	118.	37.0
%RSD	.03473	.10237	.56180
#1	8488.2	115080.	6563.5
#2	8484.0	115250.	6615.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 5:04:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**.10773**	**.01663**	**.10187**	**.01000**	**.00097**	**.12317**	**.20806**	**.00521**	**.01066**	**.01029**	**.01564**	**.09802**
Stddev	.00022	.00038	.00163	.00066	.00030	.00005	.00329	.00111	.00022	.00006	.00003	.00027	.00078
%RSD	2.0574	.35377	9.7938	.64724	3.0292	5.0350	2.6712	.53461	4.2848	.52505	.25579	1.7422	.79673
#1	.01099	.10800	.01548	.10234	.01021	.00100	.12084	.20727	.00537	.01069	.01031	.01583	.09746
#2	.01067	.10746	.01779	.10140	.00979	.00094	.12550	.20885	.00506	.01062	.01028	.01545	.09857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1398**	**.00848**	**.21357**	**.01025**	**.02004**	**1.1846**	**.04270**	**2.9595**	**.00968**	**.06036**	**.00706**	**.01292**	**.48401**
Stddev	.0071	.00085	.00109	.00001	.00010	.0117	.00032	.0229	.00154	.00064	.00192	.00123	.01521
%RSD	.22642	10.075	.51163	.13902	.48450	.98892	.75697	.77276	15.895	1.0661	27.141	9.4797	3.1432
#1	3.1449	.00909	.21434	.01024	.02011	1.1763	.04293	2.9757	.01077	.06082	.00842	.01206	.49476
#2	3.1348	.00788	.21279	.01026	.01997	1.1928	.04247	2.9434	.00859	.05991	.00571	.01379	.47325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0358**	**.10436**	**.01011**	**.01501**	**.00919**	**.01746**	F **.08251**	**.01016**	**.02352**	**.01667**
Stddev	.0326	.00032	.00003	.00116	.00003	.00056	.02756	.00012	.00008	.00029
%RSD	3.1432	.30534	.25436	7.7154	.30933	3.1990	33.404	1.2165	.32152	1.7342
#1	1.0588	.10413	.01013	.01583	.00917	.01785	.06302	.01008	.02346	.01688
#2	1.0128	.10458	.01009	.01419	.00921	.01706	.10200	.01025	.02357	.01647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8593.9**	**116050.**	**6588.2**
Stddev	8.9	437.	.6
%RSD	.10405	.37614	.00959
#1	8587.6	116360.	6588.7
#2	8600.2	115740.	6587.8

Sample Name: 280-48967-a-8-a Acquired: 11/12/2013 5:06:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00103**	**.00028**	**.81718**	**.03249**	**-.00002**	**-.00018**	**4.2189**	**-.00012**	**.00019**
Stddev	.00006	.00015	.00125	.00168	.00070	.00003	.00147	.0468	.00017	.00019
%RSD	22.778	14.606	448.17	.20551	2.1670	128.99	826.96	1.1085	138.87	99.527
#1	.00030	-.00114	-.00060	.81837	.03200	-.00004	.00086	4.1858	-.00025	.00032
#2	.00022	-.00093	.00116	.81600	.03299	.00000	-.00122	4.2520	.00000	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00122**	**.20127**	**3.8038**	**.02112**	**1.3975**	**.00732**	**.00145**	W **529.70**	**.00028**
Stddev	.00020	.00016	.00116	.1146	.00084	.0093	.00001	.00005	1.59	.00012
%RSD	465.98	12.690	.57630	3.0123	3.9950	.66472	.08146	3.1728	.30031	44.478
#1	.00019	.00111	.20209	3.7227	.02052	1.4041	.00733	.00148	528.57	.00019
#2	-.00010	.00133	.20045	3.8848	.02172	1.3910	.00732	.00141	530.82	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05327**	**-.00004**	**.10520**	**-.00085**	**.00000**	**5.2975**	**11.337**	**.00069**	**.45989**	**-.00148**
Stddev	.00193	.00007	.00074	.00034	.00104	.0464	.099	.00022	.00215	.00088
%RSD	3.6245	173.77	.70692	39.477	71116.	.87617	.87617	32.237	.46689	59.349
#1	.05190	-.00009	.10467	-.00109	.00074	5.2646	11.266	.00085	.45837	-.00210
#2	.05463	.00001	.10572	-.00061	-.00073	5.3303	11.407	.00054	.46140	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00057**	**.04466**	**.00019**	**.00310**	**.00254**
Stddev	.00041	.00065	.05372	.00018	.00031	.00191
%RSD	130.85	112.51	120.29	94.623	9.9768	75.375
#1	-.00061	.00103	.08265	.00006	.00288	.00389
#2	-.00002	.00012	.00667	.00032	.00332	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7944.2**	**104020.**	**6529.3**
Stddev	2.1	71.	33.7
%RSD	.02640	.06784	.51626
#1	7945.6	104070.	6553.1
#2	7942.7	103970.	6505.4

Sample Name: 280-48967-a-9-a Acquired: 11/12/2013 5:09:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.02667**	**.00144**	**.62252**	**.77647**	**-.00004**	**-.00244**	**42.752**	**-.00010**	**.00033**
Stddev	.00075	.00040	.00198	.00138	.00253	.00000	.00100	.025	.00020	.00001
%RSD	93.981	1.4930	137.01	.22095	.32531	2.6381	41.207	.05823	187.48	3.7978
#1	.00027	.02639	.00284	.62155	.77468	-.00004	-.00315	42.770	.00003	.00032
#2	.00132	.02695	.00005	.62349	.77826	-.00004	-.00173	42.735	-.00024	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00389**	**.33438**	**9.4584**	**.36268**	**.00455**	**.00543**	**.00619**	**398.69**	**.01709**
Stddev	.00004	.00018	.00225	.0597	.00034	.00131	.00010	.00035	.21	.00010
%RSD	12.977	4.5347	.67337	.63175	.09345	28.844	1.8352	5.7029	.05373	.57402
#1	.00033	.00402	.33279	9.5006	.36292	.00362	.00536	.00644	398.54	.01702
#2	.00027	.00377	.33598	9.4161	.36245	.00548	.00550	.00594	398.84	.01716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01856**	**-.00080**	**.55155**	**.00148**	**-.00039**	**1.7304**	**3.7030**	**-.00057**	W **16.685**	**-.00398**
Stddev	.00060	.00011	.00084	.00162	.00247	.0134	.0288	.00016	.017	.00157
%RSD	3.2335	14.192	.15176	109.34	631.83	.77690	.77690	28.589	.10246	39.517
#1	.01898	-.00088	.55096	.00262	.00136	1.7209	3.6826	-.00045	16.673	-.00509
#2	.01813	-.00072	.55214	.00034	-.00214	1.7399	3.7233	-.00068	16.697	-.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00062**	**.01408**	**.00022**	**.00363**	**.00360**
Stddev	.00034	.00051	.03425	.00007	.00077	.00089
%RSD	126.97	81.445	243.27	32.493	21.291	24.704
#1	-.00003	.00026	.03829	.00017	.00308	.00297
#2	-.00050	.00098	-.01014	.00027	.00417	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7981.5**	**105000.**	**6577.3**
Stddev	7.9	443.	38.0
%RSD	.09876	.42145	.57742
#1	7987.1	105320.	6604.2
#2	7976.0	104690.	6550.5

Sample Name: 280-48967-a-10-a Acquired: 11/12/2013 5:11:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01958**	**-.00205**	**.77941**	**.02440**	**.00003**	**.00146**	**2.9748**	**.00013**	**-.00005**
Stddev	.00017	.00025	.00124	.00046	.00015	.00007	.00039	.0030	.00003	.00007
%RSD	86.154	1.2685	60.285	.05872	.59545	256.82	26.738	.10160	21.455	146.08
#1	-.00031	.01976	-.00118	.77974	.02450	-.00002	.00119	2.9769	.00015	.00000
#2	-.00008	.01941	-.00293	.77909	.02429	.00007	.00174	2.9726	.00011	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00237**	**.58688**	**3.5088**	**.01917**	**1.0485**	**.00867**	**.00183**	**483.48**	**.00066**
Stddev	.00000	.00034	.00406	.0096	.00261	.0046	.00006	.00021	2.50	.00008
%RSD	6.1610	14.460	.69190	.27422	13.601	.43813	.74082	11.431	.51673	12.036
#1	.00006	.00262	.58401	3.5020	.02102	1.0452	.00862	.00168	481.72	.00061
#2	.00007	.00213	.58975	3.5156	.01733	1.0517	.00871	.00198	485.25	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06796**	**-.00014**	**.11244**	**-.00266**	**-.00111**	**5.5587**	**11.896**	**-.00018**	**.35967**	**-.00424**
Stddev	.00184	.00023	.00203	.00389	.00296	.0064	.014	.00061	.00045	.00046
%RSD	2.7004	163.82	1.8068	146.15	265.95	.11528	.11528	339.76	.12414	10.787
#1	.06666	.00002	.11101	.00009	-.00320	5.5542	11.886	.00025	.35936	-.00392
#2	.06926	-.00030	.11388	-.00542	.00098	5.5633	11.905	-.00061	.35999	-.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00104**	**.02474**	**.00033**	**.00599**	**.00239**
Stddev	.00009	.00057	.01366	.00025	.00015	.00039
%RSD	30.340	55.194	55.209	76.602	2.5261	16.148
#1	-.00038	.00144	.01508	.00015	.00588	.00212
#2	-.00024	.00063	.03440	.00051	.00610	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.9**	**105180.**	**6528.4**
Stddev	32.6	442.	28.9
%RSD	.40862	.42021	.44236
#1	7950.9	105490.	6508.0
#2	7997.0	104860.	6548.9

Sample Name: 280-48967-a-11-a Acquired: 11/12/2013 5:14:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00554**	**.00435**	**.87733**	**.03384**	**.00003**	**.00046**	**3.7613**	**-.00001**	**.00009**
Stddev	.00008	.00014	.00162	.00113	.00016	.00003	.00066	.0146	.00025	.00002
%RSD	28.485	2.5618	37.266	.12888	.48583	123.74	143.66	.38919	2465.6	20.536
#1	-.00022	.00544	.00550	.87813	.03372	.00000	.00093	3.7510	.00016	.00010
#2	-.00033	.00564	.00321	.87653	.03395	.00005	-.00001	3.7717	-.00018	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00154**	**.17958**	**4.2495**	**.02219**	**1.4291**	**.00714**	**.00157**	W **556.58**	**.00042**
Stddev	.00007	.00026	.00284	.0593	.00005	.0059	.00003	.00005	1.16	.00010
%RSD	162.30	17.007	1.5815	1.3954	.20674	.41033	.37681	3.0873	.20792	24.146
#1	.00009	.00173	.18158	4.2076	.02222	1.4332	.00713	.00160	555.76	.00035
#2	-.00001	.00136	.17757	4.2914	.02215	1.4249	.00716	.00154	557.40	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04487**	**-.00076**	**.19055**	**-.00062**	**-.00003**	**5.3160**	**11.376**	**-.00045**	**.48866**	**-.00139**
Stddev	.00103	.00018	.00025	.00061	.00067	.0134	.029	.00011	.00115	.00120
%RSD	2.2867	24.180	.13023	98.271	2168.4	.25277	.25277	24.746	.23505	86.269
#1	.04415	-.00063	.19072	-.00104	.00044	5.3065	11.356	-.00037	.48785	-.00054
#2	.04560	-.00089	.19037	-.00019	-.00050	5.3255	11.397	-.00052	.48947	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00144**	**-.03597**	**.00013**	**.00365**	**.00277**
Stddev	.00009	.00074	.02227	.00028	.00070	.00013
%RSD	17.574	51.579	61.917	209.29	19.311	4.7108
#1	-.00057	.00197	-.02022	.00033	.00415	.00267
#2	-.00044	.00092	-.05171	-.00006	.00315	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7901.5**	**104590.**	**6598.0**
Stddev	50.7	407.	31.2
%RSD	.64203	.38911	.47248
#1	7865.6	104300.	6620.0
#2	7937.3	104870.	6575.9

Sample Name: 280-48967-a-12-a Acquired: 11/12/2013 5:16:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00175	.00163	.84523	.02229	-.00006	.00045	3.3415	.00002	.00004
Stddev	.00038	.00021	.00088	.00468	.00023	.00004	.00161	.0309	.00003	.00005
%RSD	84.370	12.132	54.342	.55408	1.0520	76.742	360.09	.92480	149.37	133.41
#1	.00018	.00160	.00225	.84854	.02212	-.00003	-.00069	3.3196	.00004	.00000
#2	.00071	.00190	.00100	.84192	.02245	-.00009	.00158	3.3633	.00000	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00156	.56806	3.6916	.01839	1.0848	.01301	.00221	490.39	.00042
Stddev	.00003	.00020	.00656	.0510	.00170	.0019	.00008	.00014	.25	.00021
%RSD	121.57	12.879	1.1547	1.3816	9.2153	.17375	.58531	6.3789	.04999	48.935
#1	.00000	.00170	.56342	3.6555	.01720	1.0835	.01296	.00211	490.22	.00057
#2	.00005	.00142	.57270	3.7276	.01959	1.0861	.01306	.00231	490.56	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06441	.00212	.10849	-.00106	-.00375	4.8811	10.446	-.00008	.35313	-.00247
Stddev	.00020	.00055	.00174	.00106	.00023	.0144	.031	.00011	.00062	.00154
%RSD	.30591	25.801	1.5995	100.76	6.2435	.29530	.29530	132.52	.17499	62.304
#1	.06455	.00173	.10972	-.00030	-.00392	4.8709	10.424	-.00016	.35269	-.00356
#2	.06427	.00251	.10727	-.00181	-.00359	4.8913	10.467	-.00001	.35356	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00043	.00024	.03129	.00051	.00363	.00258
Stddev	.00029	.00074	.03379	.00029	.00030	.00414
%RSD	65.991	313.83	108.01	57.727	8.1400	160.19
#1	-.00023	-.00029	.05518	.00071	.00384	-.00034
#2	-.00064	.00076	.00739	.00030	.00342	.00551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7896.4	104460.	6570.8
Stddev	27.2	169.	21.6
%RSD	.34474	.16142	.32892
#1	7877.2	104340.	6586.1
#2	7915.7	104580.	6555.6

Sample Name: 280-48967-a-13-a Acquired: 11/12/2013 5:18:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00335**	**.00129**	**.00373**	**-.00011**	**-.00005**	**.00028**	**.01536**	**.00005**	**.00009**
Stddev	.00038	.00001	.00133	.00071	.00014	.00006	.00033	.00164	.00004	.00010
%RSD	89.580	.44707	103.20	19.044	125.80	114.77	120.10	10.657	70.925	112.22
#1	.00015	-.00336	.00035	.00423	-.00022	-.00001	.00052	.01652	.00008	.00015
#2	.00068	-.00334	.00222	.00322	-.00001	-.00009	.00004	.01420	.00003	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00027**	**.00328**	**.11537**	**-.00214**	**.00179**	**.00015**	**.00003**	**.58483**	**.00065**
Stddev	.00018	.00035	.00140	.00282	.00153	.00033	.00002	.00020	.02980	.00015
%RSD	537650.	130.58	42.597	2.4470	71.455	18.608	10.486	578.80	5.0954	22.955
#1	-.00013	.00052	.00229	.11737	-.00106	.00156	.00014	-.00011	.60590	.00076
#2	.00013	.00002	.00426	.11338	-.00322	.00203	.00016	.00017	.56376	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**-.00077**	**.06423**	**-.00182**	**-.00016**	**.01259**	**.02695**	**.00067**	**.00040**	**-.00119**
Stddev	.00064	.00010	.00304	.00014	.00035	.00116	.00248	.00024	.00005	.00131
%RSD	32.398	13.178	4.7264	7.9113	213.71	9.2030	9.2030	35.987	12.467	109.94
#1	-.00241	-.00084	.06638	-.00172	-.00041	.01341	.02871	.00085	.00043	-.00026
#2	-.00151	-.00070	.06208	-.00193	.00008	.01178	.02520	.00050	.00036	-.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00062**	**.04297**	**.00013**	**.00336**	**.00198**
Stddev	.00019	.00142	.03389	.00011	.00030	.00014
%RSD	56.956	228.69	78.863	83.863	9.0286	6.9360
#1	-.00020	.00163	.01901	.00020	.00358	.00208
#2	-.00047	-.00038	.06693	.00005	.00315	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8390.7**	**115370.**	**6623.9**
Stddev	.1	2271.	45.3
%RSD	.00067	1.9684	.68318
#1	8390.7	116980.	6655.9
#2	8390.6	113760.	6591.9

Sample Name: 280-48967-a-16-a Acquired: 11/12/2013 5:21:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**-.00063**	**.00344**	**.00250**	**-.00008**	**.00003**	**.00182**	**.03775**	**-.00009**	**.00015**
Stddev	.00040	.00014	.00009	.00079	.00011	.00002	.00237	.00004	.00006	.00007
%RSD	46.734	22.497	2.4794	31.490	141.99	58.838	130.42	.10617	62.579	44.907
#1	.00113	-.00073	.00350	.00306	-.00016	.00005	.00014	.03773	-.00005	.00011
#2	.00057	-.00053	.00338	.00195	.00000	.00002	.00350	.03778	-.00013	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00064**	**.02729**	**.07396**	**-.00155**	**.00092**	**.00126**	**-.00006**	**.29833**	**.00045**
Stddev	.00005	.00024	.00398	.02708	.00154	.00107	.00002	.00010	.00922	.00008
%RSD	76.514	38.380	14.581	36.614	99.904	115.81	1.2611	160.76	3.0892	18.453
#1	-.00010	.00081	.03010	.05481	-.00264	.00168	.00127	-.00014	.30485	.00039
#2	-.00003	.00046	.02448	.09311	-.00045	.00017	.00125	.00001	.29182	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00327**	**.00022**	**.06279**	**-.00114**	**-.00173**	**.02043**	**.04372**	**.00040**	**.00042**	**-.00002**
Stddev	.00164	.00007	.00440	.00072	.00058	.00295	.00632	.00020	.00008	.00070
%RSD	50.000	32.534	7.0059	62.995	33.292	14.453	14.453	49.856	20.466	3974.7
#1	-.00212	.00017	.05968	-.00063	-.00133	.02252	.04819	.00026	.00035	.00048
#2	-.00443	.00027	.06590	-.00165	-.00214	.01834	.03926	.00054	.00048	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00086**	**.04109**	**.00000**	**.00335**	**.00041**
Stddev	.00027	.00099	.01475	.00023	.00011	.00088
%RSD	36.543	114.27	35.904	16482.	3.2088	216.14
#1	-.00056	.00017	.03066	.00017	.00328	-.00021
#2	-.00094	.00156	.05152	-.00016	.00343	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8421.7**	**113670.**	**6363.9**
Stddev	24.8	29.	67.6
%RSD	.29439	.02539	1.0619
#1	8439.2	113650.	6411.7
#2	8404.1	113690.	6316.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 5:23:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00731**	**50.317**	**.00394**	**.00295**	**-.00008**	**-.00010**	W **1.0715**	**.01603**	**-.00024**	**-.00007**	**.00006**	**.01095**
Stddev	.00028	.256	.00094	.00088	.00021	.00003	.0017	.00323	.00000	.00002	.00017	.00013
%RSD	3.8537	.50819	23.778	29.929	252.96	30.673	.15485	20.139	.98994	27.047	258.86	1.1933
#1	.00751	50.498	.00328	.00358	-.00023	-.00008	1.0703	.01375	-.00024	-.00008	.00018	.01104
#2	.00711	50.136	.00460	.00233	.00007	-.00012	1.0726	.01831	-.00025	-.00005	-.00005	.01085
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.562**	**.06925**	**-.00174**	**.07936**	**.00074**	**-.00032**	**269.96**	**-.00002**	**-.00186**	**.00002**	**5.1552**	**-.00171**
Stddev	.698	.00193	.00010	.00071	.00006	.00000	1.28	.00017	.00194	.00120	.0030	.00193
%RSD	1.4381	2.7863	5.9716	.89333	8.3806	.82694	.47258	995.39	104.63	5602.0	.05822	113.09
#1	49.055	.07062	-.00167	.07886	.00070	-.00032	270.87	-.00014	-.00048	.00087	5.1574	-.00307
#2	48.068	.06789	-.00182	.07986	.00078	-.00032	269.06	.00011	-.00323	-.00083	5.1531	-.00034
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00372**	**.00490**	**.01049**	**-.00024**	**.00027**	**4.9969**	**-.01273**	**.00253**	F **5.3512**	**.00128**	**.00163**	**.05848**
Stddev	.00171	.00521	.01115	.00014	.00009	.0048	.00049	.00044	.0214	.00040	.00025	.00411
%RSD	45.920	106.31	106.31	57.495	33.319	.09659	3.8138	17.431	.39918	31.228	15.052	7.0198
#1	-.00493	.00858	.01837	-.00014	.00020	4.9934	-.01239	.00284	5.3663	.00100	.00180	.06138
#2	-.00251	.00122	.00260	-.00033	.00033	5.0003	-.01307	.00222	5.3361	.00156	.00146	.05558
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**106940.**	**6315.3**
Stddev	4.1	594.	26.4
%RSD	.05074	.55513	.41738
#1	8068.3	106520.	6296.6
#2	8074.1	107360.	6333.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:25:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50270**	**.53315**	**.99113**	**.50343**	**.50747**	**.48170**	**-.00388**	**4.9819**	**.50279**	**.50494**	**.50653**	**.50764**	**2.3900**
Stddev	.00051	.00096	.00159	.00108	.00010	.00107	.00022	.0145	.00054	.00097	.00064	.00144	.0019
%RSD	.10215	.18078	.16070	.21378	.01873	.22274	5.6482	.29037	.10665	.19188	.12619	.28372	.07729
#1	.50307	.53247	.99000	.50267	.50754	.48095	-.00372	4.9717	.50241	.50426	.50698	.50866	2.3913
#2	.50234	.53383	.99226	.50419	.50740	.48246	-.00403	4.9921	.50317	.50563	.50608	.50662	2.3887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.215**	**1.0136**	**19.895**	**.49583**	**.51133**	**5.4689**	**.51017**	**1.0024**	**1.0287**	**.05466**	**1.0128**	**.99557**	**4.7803**
Stddev	.124	.0020	.013	.00027	.00274	.0107	.00126	.0077	.0056	.00012	.0010	.00730	.0028
%RSD	.23813	.19669	.06468	.05545	.53621	.19529	.24789	.76767	.54758	.21662	.09960	.73280	.05938
#1	52.303	1.0122	19.886	.49564	.50939	5.4613	.51106	.99694	1.0247	.05474	1.0135	1.0007	4.7783
#2	52.127	1.0150	19.904	.49603	.51327	5.4764	.50927	1.0078	1.0327	.05458	1.0120	.99041	4.7823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.230**	**1.0237**	**.50145**	**-.00408**	**.49335**	**1.0288**	**.02555**	**.49871**	**.49999**	**.49435**
Stddev	.006	.0010	.00039	.00301	.00052	.0003	.04561	.00034	.00049	.00375
%RSD	.05938	.09892	.07811	73.764	.10516	.02691	178.52	.06799	.09757	.75902
#1	10.226	1.0244	.50118	-.00620	.49371	1.0290	.05780	.49847	.49964	.49170
#2	10.234	1.0230	.50173	-.00195	.49298	1.0286	-.00670	.49895	.50033	.49701
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8216.1**	**111930.**	**6338.3**
Stddev	14.5	54.	2.0
%RSD	.17701	.04802	.03156
#1	8226.3	111970.	6336.9
#2	8205.8	111890.	6339.7

Sample Name: CCB Acquired: 11/12/2013 5:28:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00360**	**.00138**	**.00193**	**-.00013**	**.00011**	**.00178**	**.00526**	**.00017**	**.00013**	**-.00006**	**.00000**
Stddev	.00060	.00026	.00175	.00013	.00016	.00009	.00020	.00084	.00002	.00015	.00007	.00007
%RSD	8707.4	7.3268	127.44	6.5901	121.07	84.004	10.998	15.950	11.623	122.03	124.97	1930.9
#1	.00042	-.00341	.00014	.00202	-.00025	.00017	.00164	.00585	.00016	.00023	-.00001	.00005
#2	-.00043	-.00379	.00262	.00184	-.00002	.00004	.00192	.00466	.00018	.00002	-.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.05258**	**.00210**	**.00191**	**.00008**	**.00004**	W **.15586**	**.00041**	**-.00437**	**.00035**	**.05501**	W **.00316**
Stddev	.00047	.02313	.00128	.00050	.00010	.00014	.01550	.00001	.00020	.00024	.00127	.00188
%RSD	58.260	43.994	61.158	26.149	127.04	343.63	9.9424	3.2912	4.5602	68.735	2.3154	59.411
#1	-.00114	.03623	.00119	.00226	.00015	-.00006	.16682	.00040	-.00423	.00052	.05591	.00183
#2	-.00047	.06894	.00301	.00155	.00001	.00014	.14491	.00042	-.00451	.00018	.05411	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00607**	**.01299**	**.00022**	**.00015**	**.00077**	**-.00049**	**-.00119**	**.00721**	**.00054**	**.00260**	W **.00306**
Stddev	.00031	.00346	.00741	.00007	.00009	.00081	.00013	.00098	.01584	.00019	.00025	.00022
%RSD	66.801	57.001	57.001	30.866	62.783	105.75	27.136	82.876	219.61	35.635	9.7178	7.3361
#1	.00024	.00362	.00776	.00026	.00008	.00019	-.00039	-.00188	-.00399	.00040	.00242	.00290
#2	.00067	.00852	.01823	.00017	.00022	.00134	-.00058	-.00049	.01841	.00067	.00278	.00322
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8230.2**	**111050.**	**6245.8**
Stddev	19.3	199.	20.4
%RSD	.23461	.17940	.32708
#1	8216.5	110910.	6231.3
#2	8243.8	111190.	6260.2

Sample Name: CCVL2372865 Acquired: 11/12/2013 5:30:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01058**	**.10763**	**.01692**	**.10115**	**.00980**	**.00095**	**.12680**	**.20743**	**.00512**	**.01083**	**.01044**	**.01565**	**.09838**
Stddev	.00032	.00021	.00013	.00029	.00023	.00008	.00093	.00119	.00019	.00002	.00008	.00006	.00400
%RSD	3.0582	.19660	.79578	.29138	2.3368	8.4354	.73428	.57441	3.6514	.17378	.78213	.41010	4.0668
#1	.01035	.10778	.01682	.10136	.00996	.00090	.12614	.20659	.00499	.01082	.01049	.01569	.10121
#2	.01081	.10748	.01701	.10094	.00964	.00101	.12746	.20827	.00525	.01084	.01038	.01560	.09555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2209**	F **.00661**	**.20872**	**.01023**	**.02011**	**1.2038**	**.04274**	**2.9652**	**.00934**	**.04273**	**.00918**	**.01599**	**.47617**
Stddev	.0271	.00048	.00293	.00002	.00015	.0083	.00043	.0118	.00079	.00105	.00235	.00057	.00065
%RSD	.84172	7.2425	1.4029	.18519	.72143	.69037	1.0125	.39641	8.5001	2.4652	25.592	3.5503	.13586
#1	3.2401	.00628	.21079	.01024	.02022	1.1979	.04304	2.9736	.00877	.04347	.01084	.01559	.47572
#2	3.2017	.00695	.20665	.01021	.02001	1.2097	.04243	2.9569	.00990	.04198	.00752	.01639	.47663
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**.10536**	**.01017**	**.01335**	**.00933**	**.01695**	**.07469**	**.01013**	**.02360**	**.01628**
Stddev	.0014	.00037	.00002	.00038	.00028	.00074	.02862	.00016	.00006	.00053
%RSD	.13586	.34872	.19434	2.8279	2.9859	4.3845	38.311	1.5344	.25141	3.2606
#1	1.0180	.10562	.01019	.01361	.00913	.01748	.09493	.01002	.02364	.01591
#2	1.0200	.10510	.01016	.01308	.00953	.01643	.05446	.01024	.02356	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8440.0**	**114580.**	**6381.9**
Stddev	12.6	161.	41.6
%RSD	.14953	.14067	.65252
#1	8431.1	114690.	6352.5
#2	8449.0	114470.	6411.3

Sample Name: mb 280-200212/1-a Acquired: 11/12/2013 5:32:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.01179**	**.00219**	**.01178**	**.00014**	**-.00004**	**.00121**	**.04287**	**-.00005**	**-.00002**
Stddev	.00027	.00014	.00011	.00006	.00023	.00002	.00107	.00144	.00011	.00006
%RSD	450.39	1.2280	4.9867	.50646	164.44	49.630	88.677	3.3676	216.86	311.46
#1	.00025	.01190	.00211	.01174	-.00002	-.00006	.00045	.04389	-.00013	.00002
#2	-.00013	.01169	.00227	.01182	.00031	-.00003	.00196	.04185	.00003	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00084**	**.02109**	**.03142**	**-.00059**	**.01073**	**.00055**	**-.00010**	**.18003**	**.00067**
Stddev	.00009	.00012	.00084	.04260	.00143	.00236	.00001	.00006	.01548	.00000
%RSD	27.811	14.510	3.9738	135.60	241.60	21.972	2.2274	60.555	8.5989	.73768
#1	.00037	.00075	.02168	.06154	-.00161	.00906	.00056	-.00015	.16908	.00067
#2	.00025	.00092	.02050	.00129	.00042	.01239	.00054	-.00006	.19097	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00029**	W **.08436**	**-.00005**	**-.00014**	**.05017**	**.10736**	**.00330**	**.00010**	**.00091**
Stddev	.00109	.00042	.00358	.00124	.00018	.00697	.01492	.00005	.00006	.00152
%RSD	806.53	144.46	4.2483	2581.6	129.40	13.899	13.899	1.5915	58.202	166.83
#1	.00091	.00059	.08689	.00083	-.00027	.05510	.11791	.00334	.00014	.00199
#2	-.00064	-.00001	.08182	-.00092	-.00001	.04524	.09681	.00326	.00006	-.00016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00017**	**.00743**	**.00041**	**.00495**	**.00274**
Stddev	.00001	.00001	.01086	.00011	.00026	.00139
%RSD	4.3993	3.5363	146.18	28.082	5.2639	50.508
#1	.00020	-.00017	-.00025	.00033	.00476	.00176
#2	.00021	-.00016	.01510	.00049	.00513	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8483.9**	**115190.**	**6484.1**
Stddev	7.6	90.	37.0
%RSD	.08916	.07832	.56989
#1	8489.3	115250.	6458.0
#2	8478.6	115120.	6510.2

Sample Name: lcs 280-200212/2-a Acquired: 11/12/2013 5:34:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04998**	**2.0001**	**.97748**	**1.0578**	**2.0197**	**.04733**	**2.2216**	**47.221**	**.10411**	**.48774**
Stddev	.00015	.0001	.00005	.0004	.0068	.00067	.0002	.081	.00015	.00054
%RSD	.30172	.00433	.00535	.03544	.33602	1.4083	.00800	.17221	.14396	.11170
#1	.05009	2.0001	.97752	1.0575	2.0149	.04686	2.2215	47.164	.10400	.48736
#2	.04987	2.0002	.97745	1.0580	2.0245	.04780	2.2217	47.279	.10421	.48813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20069**	**.25497**	**.92855**	**51.998**	**1.0060**	**48.775**	**.48577**	**.99720**	**54.056**	**.49220**
Stddev	.00000	.00008	.00248	.179	.0007	.056	.00058	.00073	.483	.00011
%RSD	.00019	.03109	.26669	.34361	.07211	.11418	.11884	.07294	.89298	.02229
#1	.20069	.25502	.92680	51.872	1.0055	48.736	.48536	.99669	53.714	.49213
#2	.20069	.25491	.93030	52.125	1.0065	48.814	.48618	.99772	54.397	.49228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.073**	**.48641**	**.08423**	**.45650**	**1.9540**	F **.76669**	**1.6407**	**1.9744**	**.99592**	**.98059**
Stddev	.002	.00124	.00165	.00239	.0037	.01922	.0411	.0024	.00236	.00606
%RSD	.01874	.25567	1.9610	.52293	.18748	2.5073	2.5073	.11897	.23671	.61789
#1	10.071	.48553	.08306	.45482	1.9566	.75310	1.6116	1.9727	.99425	.97631
#2	10.074	.48729	.08539	.45819	1.9514	.78028	1.6698	1.9761	.99759	.98487
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97419**	**1.9334**	**2.0974**	**.49444**	**.48922**	**.48954**
Stddev	.00145	.0071	.0030	.00094	.00055	.00174
%RSD	.14884	.36778	.14118	.18967	.11297	.35485
#1	.97316	1.9384	2.0953	.49377	.48883	.48831
#2	.97521	1.9283	2.0995	.49510	.48961	.49076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8062.2**	**107810.**	**6406.1**
Stddev	1.0	50.	3.3
%RSD	.01286	.04629	.05226
#1	8062.9	107840.	6403.8
#2	8061.5	107770.	6408.5

Sample Name: 280-48851-a-1-b Acquired: 11/12/2013 5:37:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**89.545**	**.02572**	**.01033**	**.26896**	**.00321**	**-.04268**	**25.120**	**.00145**	**.10542**
Stddev	.00009	.215	.00040	.00018	.00050	.00001	.00309	.002	.00008	.00002
%RSD	15.457	.24044	1.5580	1.7503	.18565	.31954	7.2330	.00948	5.3896	.01895
#1	-.00054	89.698	.02544	.01046	.26932	.00321	-.04049	25.121	.00150	.10544
#2	-.00067	89.393	.02600	.01021	.26861	.00320	-.04486	25.118	.00139	.10541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15301**	**.10047**	**228.99**	**6.9122**	**.06500**	**12.645**	**3.8512**	**.00510**	**4.4230**	**.08737**
Stddev	.00024	.00009	.07	.0335	.00407	.046	.0070	.00006	.0381	.00011
%RSD	.15549	.08729	.03048	.48502	6.2667	.36032	.18190	1.2501	.86113	.13030
#1	.15284	.10041	228.94	6.9359	.06788	12.677	3.8561	.00514	4.4499	.08745
#2	.15317	.10054	229.04	6.8885	.06212	12.613	3.8462	.00505	4.3961	.08729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5599**	**.03948**	**1.4488**	**.00282**	**-.00088**	**.76028**	**1.6270**	**.01000**	**.45867**	**.05880**
Stddev	.0053	.00040	.0036	.00025	.00060	.00297	.0064	.00085	.00075	.00060
%RSD	.06995	1.0207	.25115	8.8424	68.031	.39080	.39080	8.4811	.16268	1.0228
#1	7.5562	.03977	1.4513	.00300	-.00046	.75818	1.6225	.01060	.45919	.05922
#2	7.5636	.03920	1.4462	.00265	-.00130	.76238	1.6315	.00940	.45814	.05837
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8397**	**-.00531**	F **-.22059**	**.72426**	**.45591**	**.17351**
Stddev	.0005	.00024	.00974	.00006	.00084	.00226
%RSD	.02900	4.4568	4.4161	.00760	.18477	1.3029
#1	1.8400	-.00514	-.22748	.72430	.45650	.17192
#2	1.8393	-.00547	-.21370	.72422	.45531	.17511
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9075.4**	**119990.**	**7049.8**
Stddev	36.8	29.	20.7
%RSD	.40600	.02447	.29326
#1	9049.4	119970.	7035.2
#2	9101.5	120010.	7064.5

Sample Name: 280-48851-a-1-bSD@5 Acquired: 11/12/2013 5:39:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**19.936**	**.00811**	**.00302**	**.05870**	**.00071**	**-.01038**	**5.6373**	**.00038**	**.02405**
Stddev	.00061	.020	.00027	.00036	.00027	.00005	.00207	.0115	.00005	.00001
%RSD	160.98	.10188	3.2731	11.909	.46590	6.8973	19.937	.20423	13.736	.02599
#1	.00081	19.950	.00830	.00328	.05890	.00075	-.01184	5.6454	.00034	.02406
#2	-.00005	19.921	.00792	.00277	.05851	.00068	-.00891	5.6291	.00042	.02405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03417**	**.02193**	**51.706**	**1.4884**	**.01275**	**2.8802**	**.87871**	**.00113**	**.95091**	**.02012**
Stddev	.00050	.00024	.053	.0235	.00064	.0030	.00046	.00008	.01112	.00024
%RSD	1.4676	1.1110	.10209	1.5806	5.0560	.10547	.05233	6.6791	1.1694	1.2037
#1	.03382	.02176	51.743	1.4718	.01321	2.8824	.87838	.00108	.95878	.01995
#2	.03453	.02210	51.669	1.5051	.01229	2.8781	.87903	.00118	.94305	.02029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6817**	**.00873**	**.36201**	**-.00070**	**-.00102**	**.16984**	**.36346**	**.00399**	**.10138**	**.01333**
Stddev	.0033	.00088	.00096	.00230	.00301	.01792	.03835	.00029	.00008	.00180
%RSD	.19567	10.123	.26493	327.16	293.65	10.552	10.552	7.2005	.07597	13.507
#1	1.6793	.00935	.36269	.00092	.00110	.18252	.39058	.00379	.10133	.01461
#2	1.6840	.00810	.36133	-.00233	-.00315	.15717	.33634	.00419	.10144	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40055**	**-.00105**	W **-.07219**	**.15879**	**.11526**	**.03787**
Stddev	.00023	.00039	.03498	.00017	.00019	.00057
%RSD	.05697	37.702	48.455	.10534	.16447	1.5042
#1	.40071	-.00077	-.09692	.15891	.11513	.03747
#2	.40039	-.00133	-.04745	.15868	.11540	.03828
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8525.5**	**113260.**	**6520.1**
Stddev	37.2	275.	48.9
%RSD	.43619	.24297	.75062
#1	8551.8	113460.	6485.5
#2	8499.2	113070.	6554.7

Sample Name: 280-48851-a-1-c ms Acquired: 11/12/2013 5:41:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04457**	**140.45**	**.86612**	**.83004**	**2.0773**	**.04533**	F **1.9056**	**67.076**	**.09339**	**.52796**
Stddev	.00083	.43	.00178	.00181	.0006	.00013	.0113	.162	.00011	.00011
%RSD	1.8731	.30905	.20595	.21849	.03107	.29576	.59500	.24201	.12097	.02175
#1	.04398	140.76	.86486	.82876	2.0769	.04542	1.8976	67.190	.09347	.52788
#2	.04517	140.15	.86738	.83133	2.0778	.04523	1.9137	66.961	.09331	.52804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34580**	**.32884**	**230.21**	**55.019**	**.98738**	**56.977**	**3.9180**	**.80348**	**53.236**	**.51344**
Stddev	.00099	.00020	.99	.142	.00038	.166	.0111	.00137	.030	.00079
%RSD	.28738	.06154	.43023	.25819	.03874	.29118	.28443	.17053	.05573	.15415
#1	.34510	.32870	230.91	55.120	.98711	56.860	3.9101	.80251	53.257	.51289
#2	.34651	.32899	229.51	54.919	.98765	57.094	3.9258	.80445	53.215	.51400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.791**	**.45702**	**1.6186**	**.17347**	**1.6501**	**3.7581**	**8.0424**	**1.6330**	**1.3932**	**.94531**
Stddev	.056	.00044	.0065	.00096	.0021	.0088	.0188	.0035	.0015	.00563
%RSD	.35712	.09590	.40037	.55468	.12964	.23434	.23434	.21352	.11013	.59550
#1	15.751	.45733	1.6140	.17415	1.6486	3.7644	8.0558	1.6305	1.3922	.94133
#2	15.831	.45671	1.6232	.17278	1.6516	3.7519	8.0291	1.6354	1.3943	.94929
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7916**	**1.6030**	**1.6191**	**1.2840**	**.92038**	**.61725**
Stddev	.0097	.0035	.0091	.0022	.00099	.00019
%RSD	.25465	.21609	.56153	.17399	.10811	.03057
#1	3.7848	1.6005	1.6255	1.2824	.91968	.61712
#2	3.7984	1.6054	1.6127	1.2855	.92108	.61739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.4**	**114990.**	**6955.2**
Stddev	34.2	233.	68.4
%RSD	.38961	.20274	.98403
#1	8744.2	115160.	6906.8
#2	8792.5	114830.	7003.6

Sample Name: 280-48851-a-1-d msd Acquired: 11/12/2013 5:43:44 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04464**	**119.00**	**.86991**	**.84241**	**2.0482**	**.04504**	F **1.9163**	**64.334**	**.09268**	**.50669**
Stddev	.00006	.45	.00869	.00279	.0113	.00011	.0022	.228	.00015	.00075
%RSD	.12941	.37900	.99854	.33101	.55268	.24437	.11298	.35452	.16506	.14714
#1	.04460	118.68	.86376	.84043	2.0401	.04496	1.9147	64.173	.09279	.50616
#2	.04468	119.32	.87605	.84438	2.0562	.04511	1.9178	64.496	.09258	.50722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29794**	**.31434**	**193.23**	**52.981**	**.98411**	**54.744**	**3.3706**	**.82985**	**52.567**	**.49657**
Stddev	.00021	.00118	.00	.355	.00775	.137	.0205	.00325	.184	.00046
%RSD	.07072	.37587	.00235	.66958	.78786	.25075	.60838	.39153	.34940	.09303
#1	.29779	.31517	193.23	52.730	.97863	54.841	3.3851	.82756	52.437	.49625
#2	.29809	.31350	193.23	53.232	.98960	54.647	3.3561	.83215	52.697	.49690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.234**	**.45214**	**1.2805**	**.20356**	**1.6666**	**3.6699**	**7.8536**	**1.6685**	**1.3044**	**.94117**
Stddev	.033	.00036	.0005	.00005	.0073	.0036	.0076	.0059	.0059	.00606
%RSD	.21712	.08052	.03912	.02604	.43855	.09723	.09723	.35337	.45109	.64436
#1	15.211	.45240	1.2808	.20352	1.6614	3.6674	7.8482	1.6644	1.3003	.94546
#2	15.258	.45189	1.2801	.20359	1.6718	3.6724	7.8590	1.6727	1.3086	.93688
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9381**	**1.6122**	**1.6736**	**1.0930**	**.81235**	**.60639**
Stddev	.0089	.0013	.0054	.0005	.00275	.00242
%RSD	.30340	.08167	.32133	.04500	.33850	.39891
#1	2.9444	1.6113	1.6774	1.0934	.81429	.60810
#2	2.9318	1.6132	1.6698	1.0927	.81040	.60468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8794.3**	**116730.**	**7052.6**
Stddev	19.5	253.	5.8
%RSD	.22206	.21646	.08249
#1	8808.1	116550.	7056.7
#2	8780.5	116900.	7048.5

Sample Name: 280-48851-a-1-bPDS Acquired: 11/12/2013 5:45:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04414**	**89.083**	**.20354**	**.09496**	**.35698**	**.04635**	**-.04139**	**42.445**	**.04740**	**.14668**
Stddev	.00061	.003	.00104	.00025	.00031	.00027	.00108	.026	.00007	.00008
%RSD	1.3905	.00318	.51055	.26431	.08708	.58237	2.6101	.06116	.14353	.05338
#1	.04457	89.081	.20428	.09514	.35676	.04654	-.04062	42.463	.04735	.14673
#2	.04371	89.085	.20281	.09479	.35720	.04616	-.04215	42.426	.04745	.14662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19453**	**.14622**	**227.14**	**26.308**	**.16003**	**30.512**	**3.8589**	**.04901**	**24.751**	**.12923**
Stddev	.00035	.00001	.25	.057	.00026	.036	.0338	.00004	.279	.00055
%RSD	.18237	.00816	.10910	.21593	.16548	.11642	.87626	.09158	1.1256	.42669
#1	.19428	.14622	227.32	26.348	.15985	30.537	3.8828	.04897	24.948	.12884
#2	.19478	.14621	226.97	26.268	.16022	30.487	3.8350	.04904	24.554	.12962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2533**	**.12756**	**1.4226**	**.08556**	**.16961**	**4.9603**	**10.615**	**.09610**	**.49736**	**.24032**
Stddev	.0047	.00039	.0035	.00177	.00247	.0041	.009	.00041	.00037	.00101
%RSD	.05137	.30608	.24644	2.0645	1.4582	.08333	.08333	.42308	.07469	.42097
#1	9.2566	.12728	1.4251	.08681	.16786	4.9632	10.621	.09582	.49763	.23960
#2	9.2499	.12783	1.4201	.08431	.17136	4.9574	10.609	.09639	.49710	.24103
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8618**	**.16658**	**.27484**	**.76089**	**.63667**	**.21732**
Stddev	.0036	.00047	.03350	.00140	.00153	.00012
%RSD	.19287	.27986	12.190	.18373	.24036	.05558
#1	1.8593	.16625	.25115	.75991	.63559	.21723
#2	1.8644	.16691	.29853	.76188	.63775	.21741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8905.5**	**117510.**	**6990.6**
Stddev	9.8	243.	31.7
%RSD	.11025	.20683	.45405
#1	8898.5	117680.	6968.2
#2	8912.4	117340.	7013.1

Sample Name: 280-48851-a-2-b Acquired: 11/12/2013 5:48:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**90.030**	**.03057**	**.01081**	**.18858**	**.00365**	**-.04216**	**15.508**	**.00051**	**.06981**
Stddev	.00029	.163	.00301	.00081	.00029	.00004	.00064	.006	.00002	.00033
%RSD	55.019	.18065	9.8426	7.4841	.15231	1.0337	1.5154	.03594	4.2824	.47479
#1	-.00074	89.915	.03270	.01138	.18878	.00362	-.04261	15.511	.00053	.06958
#2	-.00033	90.145	.02845	.01023	.18838	.00368	-.04170	15.504	.00050	.07004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14018**	**.10139**	**227.27**	**6.7277**	**.07943**	**10.541**	**.88761**	**.01185**	**5.2499**	**.07193**
Stddev	.00007	.00014	.53	.0076	.00140	.017	.00062	.00028	.0168	.00026
%RSD	.04797	.14257	.23346	.11220	1.7652	.15896	.06939	2.3251	.31992	.36653
#1	.14023	.10149	227.65	6.7331	.07844	10.529	.88718	.01204	5.2380	.07175
#2	.14014	.10129	226.90	6.7224	.08042	10.553	.88805	.01165	5.2618	.07212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.4149**	**.03809**	**1.9875**	**-.00157**	**-.00219**	**.87352**	**1.8693**	**.00933**	**.44421**	**.05590**
Stddev	.0008	.00010	.0064	.00263	.00021	.02213	.0474	.00052	.00118	.00212
%RSD	.01279	.25912	.32399	167.74	9.6330	2.5334	2.5334	5.5990	.26639	3.7914
#1	6.4155	.03816	1.9829	-.00343	-.00204	.85787	1.8358	.00897	.44337	.05440
#2	6.4143	.03802	1.9920	.00029	-.00234	.88916	1.9028	.00970	.44505	.05740
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5043**	**-.00399**	F **-.18423**	**.62402**	**.47365**	**.16261**
Stddev	.0017	.00151	.03202	.00060	.00126	.00024
%RSD	.11006	37.845	17.378	.09633	.26515	.14779
#1	1.5055	-.00293	-.16159	.62359	.47454	.16278
#2	1.5032	-.00506	-.20686	.62444	.47276	.16244
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8804.7**	**116100.**	**6780.2**
Stddev	16.4	12.	39.0
%RSD	.18576	.01043	.57556
#1	8816.2	116090.	6752.6
#2	8793.1	116110.	6807.8

Sample Name: 280-48987-a-1-d Acquired: 11/12/2013 5:50:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**160.96**	**.01716**	**.00098**	**.27630**	**.00131**	**-.02233**	**.96667**	**.00016**	**.01074**
Stddev	.00048	1.39	.00054	.00057	.00177	.00007	.00105	.00555	.00007	.00017
%RSD	75.187	.86652	3.1319	58.030	.64051	5.3544	4.7087	.57418	42.284	1.5439
#1	-.00099	161.95	.01754	.00058	.27755	.00136	-.02308	.97059	.00021	.01063
#2	-.00030	159.97	.01678	.00139	.27505	.00126	-.02159	.96274	.00012	.01086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12997**	**.01958**	**123.95**	**1.8349**	**.10210**	**4.5289**	**.04403**	**.00102**	**.51100**	**.01986**
Stddev	.00064	.00027	.75	.0123	.00141	.0098	.00012	.00022	.00883	.00033
%RSD	.48904	1.3695	.60662	.67221	1.3814	.21760	.27931	21.692	1.7274	1.6827
#1	.12952	.01939	124.48	1.8437	.10110	4.5359	.04412	.00086	.51724	.01963
#2	.13042	.01977	123.42	1.8262	.10310	4.5219	.04395	.00118	.50476	.02010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23318**	**.11662**	**.40850**	**.00186**	**-.00066**	**1.8163**	**3.8869**	**.00750**	**.02061**	**.05759**
Stddev	.00112	.00095	.00363	.00123	.00188	.0964	.2063	.00044	.00010	.00039
%RSD	.48216	.81644	.88766	65.846	284.39	5.3079	5.3079	5.8651	.49594	.67465
#1	.23239	.11595	.40594	.00273	.00067	1.8845	4.0327	.00719	.02068	.05786
#2	.23398	.11730	.41106	.00099	-.00199	1.7481	3.7410	.00781	.02054	.05731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19582**	**-.00050**	F **-.23126**	**.29645**	**.04295**	**.06940**
Stddev	.00144	.00187	.00356	.00260	.00021	.00015
%RSD	.73423	375.15	1.5392	.87758	.48518	.21192
#1	.19480	-.00182	-.23378	.29829	.04309	.06930
#2	.19684	.00082	-.22875	.29461	.04280	.06951
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8904.1**	**114020.**	**6889.2**
Stddev	43.9	874.	49.8
%RSD	.49254	.76655	.72357
#1	8935.1	113410.	6854.0
#2	8873.1	114640.	6924.4

Sample Name: 280-48987-a-2-b Acquired: 11/12/2013 5:52:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**58.130**	**.00412**	**.00238**	**.10546**	**.00040**	**-.00335**	**.32427**	**.00030**	**.00352**
Stddev	.00033	.197	.00194	.00007	.00046	.00012	.00184	.00159	.00002	.00014
%RSD	110.72	.33823	47.115	3.1107	.44063	30.280	55.149	.49028	6.8079	3.9031
#1	-.00052	57.991	.00550	.00243	.10513	.00049	-.00204	.32315	.00028	.00362
#2	-.00006	58.269	.00275	.00232	.10579	.00031	-.00465	.32539	.00031	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05997**	**.00805**	**12.388**	**.91505**	**.01138**	**1.4380**	**.01694**	**.00080**	**.40908**	**.00666**
Stddev	.00021	.00017	.074	.01562	.00191	.0028	.00016	.00002	.00331	.00001
%RSD	.34624	2.1690	.59727	1.7070	16.766	.19382	.92692	2.2953	.80824	.21023
#1	.06012	.00792	12.336	.90400	.01273	1.4360	.01683	.00081	.40674	.00667
#2	.05983	.00817	12.441	.92609	.01003	1.4399	.01705	.00078	.41142	.00665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05453**	**.03876**	**.19803**	**-.00120**	**.00135**	**1.5236**	**3.2605**	**.00470**	**.01569**	**.02625**
Stddev	.00025	.00002	.00070	.00246	.00029	.0108	.0231	.00045	.00003	.00069
%RSD	.45450	.05024	.35249	205.12	21.532	.70878	.70878	9.5259	.18617	2.6373
#1	.05470	.03875	.19853	-.00294	.00155	1.5312	3.2768	.00502	.01567	.02674
#2	.05435	.03877	.19754	.00054	.00114	1.5160	3.2441	.00438	.01571	.02576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22867**	**.00019**	W **-.05762**	**.07696**	**.01114**	**.03956**
Stddev	.00394	.00064	.01852	.00027	.00004	.00146
%RSD	1.7240	333.99	32.137	.34893	.39485	3.7004
#1	.22588	-.00026	-.04452	.07715	.01110	.03852
#2	.23146	.00065	-.07071	.07677	.01117	.04059
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8816.6**	**115710.**	**6728.0**
Stddev	2.1	428.	50.6
%RSD	.02424	.37017	.75138
#1	8815.1	116010.	6763.7
#2	8818.1	115410.	6692.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 5:54:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**50.678**	**.00069**	**.00128**	**-.00007**	**-.00010**	W **1.0822**	**.01892**	**-.00021**	**.00000**	**.00021**	**.01120**
Stddev	.00003	.008	.00103	.00025	.00040	.00000	.0063	.00037	.00019	.00006	.00010	.00030
%RSD	.36402	.01635	148.82	19.636	597.17	.08716	.58062	1.9421	91.093	1956.0	46.859	2.6830
#1	.00756	50.684	-.00004	.00145	-.00035	-.00010	1.0867	.01866	-.00034	-.00004	.00028	.01141
#2	.00760	50.672	.00143	.00110	.00021	-.00010	1.0778	.01918	-.00007	.00004	.00014	.01099
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.937**	**.04542**	**-.00212**	**.08253**	**.00089**	**-.00031**	**272.07**	**-.00006**	**-.00065**	**.00071**	**5.2022**	**.00116**
Stddev	.231	.02949	.00094	.00077	.00004	.00025	.43	.00032	.00170	.00041	.0307	.00059
%RSD	.47208	64.934	44.134	.92927	4.3431	82.199	.15712	533.32	259.90	58.173	.58909	51.316
#1	48.773	.02456	-.00146	.08307	.00092	-.00049	272.38	-.00028	.00055	.00100	5.2238	.00158
#2	49.100	.06627	-.00278	.08198	.00086	-.00013	271.77	.00016	-.00185	.00042	5.1805	.00074
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00411**	**.01201**	**.02571**	**.00011**	**.00014**	**5.0562**	**-.01260**	**.00129**	F **5.4171**	**.00110**	**.00131**	**.05711**
Stddev	.00046	.01128	.02414	.00051	.00020	.0104	.00008	.00049	.0400	.00001	.00056	.00219
%RSD	11.165	93.888	93.888	470.15	144.70	.20468	.60241	38.264	.73879	.88985	42.825	3.8263
#1	-.00378	.01999	.04278	.00047	.00000	5.0635	-.01265	.00094	5.3888	.00111	.00091	.05557
#2	-.00443	.00404	.00864	-.00025	.00028	5.0489	-.01254	.00163	5.4454	.00109	.00171	.05866
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8084.0**	**106920.**	**6322.2**
Stddev	15.6	341.	3.8
%RSD	.19260	.31913	.05942
#1	8073.0	107160.	6324.9
#2	8095.0	106680.	6319.6

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:57:12 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50622**	**.54064**	**.99743**	**.50341**	**.51175**	**.48508**	**-.00210**	**4.9909**	**.50501**	**.50806**	**.50936**	**.51051**	**2.3856**
Stddev	.00071	.00167	.00021	.00034	.00029	.00041	.00191	.0289	.00030	.00032	.00080	.00162	.0251
%RSD	.14063	.30958	.02106	.06689	.05622	.08426	90.698	.57908	.06031	.06384	.15670	.31753	1.0528
#1	.50572	.54183	.99758	.50317	.51155	.48479	-.00075	4.9705	.50522	.50829	.50992	.50937	2.3678
#2	.50672	.53946	.99728	.50365	.51196	.48537	-.00345	5.0114	.50479	.50784	.50880	.51166	2.4033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.726**	**1.0233**	**20.243**	**.50188**	**.51213**	**5.2654**	**.51221**	**1.0048**	**1.0335**	**.04368**	**1.0143**	**1.0016**	**4.8021**
Stddev	.175	.0007	.013	.00055	.00156	.0184	.00070	.0017	.0037	.00327	.0001	.0003	.0116
%RSD	.33111	.07192	.06453	.11010	.30473	.34879	.13675	.16988	.35998	7.4909	.00565	.03189	.24090
#1	52.602	1.0238	20.234	.50149	.51103	5.2524	.51271	1.0036	1.0309	.04137	1.0143	1.0018	4.7939
#2	52.849	1.0228	20.253	.50227	.51324	5.2784	.51172	1.0060	1.0362	.04600	1.0142	1.0014	4.8103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.276**	**1.0262**	**.50664**	**-.00632**	**.49780**	**1.0311**	**.00557**	**.50321**	**.50986**	**.49671**
Stddev	.025	.0019	.00073	.00037	.00077	.0020	.00942	.00001	.00004	.00592
%RSD	.24090	.18012	.14480	5.8005	.15401	.19762	169.16	.00211	.00789	1.1920
#1	10.259	1.0275	.50612	-.00658	.49726	1.0325	-.00109	.50320	.50989	.49253
#2	10.294	1.0249	.50716	-.00606	.49835	1.0297	.01222	.50322	.50983	.50090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8254.6**	**110230.**	**6354.6**
Stddev	32.8	932.	36.8
%RSD	.39694	.84525	.57981
#1	8231.5	110890.	6380.6
#2	8277.8	109570.	6328.5

Sample Name: CCB Acquired: 11/12/2013 5:59:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**-.00186**	**.00068**	**.00105**	**-.00014**	**.00007**	**.00130**	**.00144**	**.00008**	**.00025**	**-.00013**	**-.00018**
Stddev	.00002	.00134	.00067	.00007	.00037	.00007	.00196	.00207	.00010	.00010	.00002	.00018
%RSD	3.0111	72.261	98.083	6.4964	261.08	111.43	149.99	142.98	117.56	40.040	18.172	100.52
#1	.00066	-.00091	.00116	.00100	-.00041	.00012	.00269	-.00002	.00015	.00018	-.00011	-.00031
#2	.00068	-.00281	.00021	.00110	.00012	.00001	-.00008	.00290	.00001	.00032	-.00015	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**-.00269**	**-.00239**	**-.00199**	**.00013**	**.00011**	**.00066**	**.00032**	**-.00317**	**-.00075**	**.05189**	W **.00463**
Stddev	.00086	.06075	.00145	.00196	.00005	.00037	.01247	.00028	.00029	.00036	.00067	.00145
%RSD	18.117	2256.1	60.448	98.258	38.202	327.46	1877.4	86.171	9.0998	47.697	1.2934	31.229
#1	.00537	.04026	-.00137	-.00337	.00017	-.00015	-.00815	.00052	-.00296	-.00050	.05141	.00361
#2	.00415	-.04565	-.00341	-.00061	.00010	.00038	.00948	.00013	-.00337	-.00100	.05236	.00566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**.01304**	**.02790**	**.00000**	**.00004**	**.00076**	**-.00049**	**.00006**	**-.00656**	**.00039**	**.00314**	**.00143**
Stddev	.00112	.01171	.02506	.0001	.00004	.00128	.00003	.00015	.00164	.00015	.00024	.00121
%RSD	64.086	89.818	89.818	55560.	112.34	168.85	6.5646	251.67	25.050	37.860	7.4903	84.546
#1	-.00096	.00476	.01018	-.00006	.00007	-.00015	-.00047	.00017	-.00540	.00029	.00297	.00058
#2	-.00255	.02131	.04561	.00006	.00001	.00166	-.00052	-.00005	-.00772	.00050	.00330	.00229
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.6**	**111160.**	**6202.9**
Stddev	31.6	527.	7.7
%RSD	.38615	.47395	.12365
#1	8167.2	110790.	6197.5
#2	8212.0	111530.	6208.3

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:01:41 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.10879**	**.01661**	**.10026**	**.01022**	**.00093**	**.12588**	**.20862**	**.00531**	**.01067**	**.01026**	**.01565**	**.09651**	**3.2358**
Stddev	.00008	.00063	.00037	.00136	.00025	.00001	.00288	.00128	.00003	.00006	.00014	.00022	.00479	.1049
%RSD	.69843	.57594	2.2493	1.3602	2.4180	.83779	2.2857	.61224	.64785	.58638	1.3733	1.4094	4.9597	3.2414
#1	.01101	.10835	.01688	.09930	.01039	.00093	.12384	.20772	.00529	.01062	.01016	.01581	.09312	3.3100
#2	.01090	.10923	.01635	.10122	.01004	.00094	.12791	.20952	.00534	.01071	.01036	.01550	.09989	3.1617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00834**	**.21176**	**.01022**	**.02014**	**1.0502**	**.04252**	**2.9633**	**.01087**	**.03517**	**.00860**	**.01128**	**.48039**	**1.0280**	**.10408**
Stddev	.00013	.00357	.00008	.00038	.0045	.00024	.0140	.00015	.00325	.00109	.00234	.00342	.0073	.00036
%RSD	1.5501	1.6854	.77851	1.9065	.42358	.55621	.47182	1.3433	9.2266	12.685	20.744	.71168	.71168	.34312
#1	.00825	.21428	.01028	.01987	1.0533	.04269	2.9534	.01077	.03747	.00937	.00962	.48281	1.0332	.10383
#2	.00843	.20923	.01017	.02041	1.0470	.04235	2.9732	.01097	.03288	.00783	.01293	.47797	1.0229	.10433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.01485**	**.00914**	**.01531**	**.07366**	**.01005**	**.02410**	**.01793**
Stddev	.00003	.00101	.00026	.00098	.02076	.00002	.00001	.00124
%RSD	.26840	6.7838	2.7993	6.3940	28.182	.21404	.03972	6.8995
#1	.01014	.01414	.00932	.01462	.08834	.01006	.02410	.01880
#2	.01010	.01556	.00896	.01600	.05898	.01003	.02411	.01705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.9**	**115440.**	**6404.9**
Stddev	14.3	551.	25.5
%RSD	.16824	.47737	.39857
#1	8493.8	115050.	6386.9
#2	8514.0	115830.	6423.0

Sample Name: 280-48987-a-4-b Acquired: 11/12/2013 6:04:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**124.30**	**.02264**	**.00369**	**.28078**	**.00192**	**-.02154**	**29.843**	**.00025**	**.01596**
Stddev	.00024	.18	.00191	.00020	.00041	.00003	.00078	.033	.00013	.00009
%RSD	99.220	.14785	8.4538	5.4999	.14635	1.5784	3.6395	.10921	50.476	.53626
#1	-.00007	124.43	.02129	.00355	.28049	.00190	-.02099	29.866	.00016	.01602
#2	-.00041	124.17	.02399	.00383	.28107	.00194	-.02210	29.820	.00034	.01590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17771**	**.06027**	**130.21**	**3.2718**	**.09453**	**10.211**	**.31612**	**.00285**	**.43831**	**.07776**
Stddev	.00132	.00069	.89	.0052	.00078	.033	.00063	.00004	.00357	.00022
%RSD	.74524	1.1528	.68219	.15885	.82790	.32114	.19937	1.2848	.81367	.28751
#1	.17865	.06076	130.84	3.2755	.09508	10.234	.31656	.00283	.43579	.07792
#2	.17678	.05978	129.59	3.2681	.09397	10.188	.31567	.00288	.44084	.07761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80471**	**.09287**	**1.2533**	**.00115**	**-.00222**	**1.9422**	**4.1562**	**.00691**	**.06321**	**.04947**
Stddev	.00467	.00216	.0104	.00058	.00365	.0117	.0250	.00052	.00003	.00092
%RSD	.58058	2.3238	.82641	50.091	164.21	.60165	.60165	7.5345	.05449	1.8510
#1	.80801	.09440	1.2606	.00156	-.00481	1.9504	4.1739	.00728	.06323	.05012
#2	.80141	.09134	1.2460	.00074	.00036	1.9339	4.1385	.00654	.06318	.04882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26231**	**-.00176**	F **-.10102**	**.26165**	**.10626**	**.06976**
Stddev	.00349	.00114	.01468	.00112	.00025	.00083
%RSD	1.3303	65.103	14.529	.42757	.23113	1.1884
#1	.26477	-.00256	-.11140	.26244	.10608	.06918
#2	.25984	-.00095	-.09064	.26086	.10643	.07035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8912.0**	**115400.**	**6936.5**
Stddev	16.3	247.	42.9
%RSD	.18323	.21423	.61913
#1	8900.5	115570.	6906.1
#2	8923.6	115220.	6966.9

Sample Name: 280-48987-a-5-b Acquired: 11/12/2013 6:06:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**42.399**	**.00526**	**.00164**	**.08134**	**.00030**	**-.00500**	**.45915**	**.00019**	**.00238**
Stddev	.00009	.210	.00183	.00037	.00008	.00009	.00193	.00221	.00009	.00006
%RSD	26.352	.49425	34.766	22.424	.09389	31.177	38.568	.48134	46.940	2.6566
#1	.00042	42.251	.00655	.00138	.08128	.00024	-.00636	.46072	.00013	.00243
#2	.00029	42.547	.00396	.00189	.08139	.00037	-.00364	.45759	.00025	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04710**	**.00891**	**12.518**	**.76875**	**.00775**	**1.0782**	**.02975**	**.00132**	**.14598**	**.00576**
Stddev	.00023	.00025	.069	.01973	.00137	.0062	.00006	.00026	.01177	.00017
%RSD	.49281	2.8033	.55406	2.5671	17.626	.57801	.21169	19.930	8.0629	2.9050
#1	.04727	.00909	12.469	.78270	.00872	1.0826	.02980	.00113	.15430	.00564
#2	.04694	.00874	12.567	.75479	.00678	1.0738	.02971	.00151	.13766	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09082**	**.03446**	**.20618**	**-.00114**	**-.00115**	**1.2833**	**2.7463**	**.00381**	**.01147**	**.02829**
Stddev	.00030	.00077	.00204	.00092	.00176	.0015	.0033	.00025	.00005	.00005
%RSD	.33085	2.2304	.99132	80.951	153.16	.11938	.11938	6.6611	.41864	.16852
#1	.09061	.03501	.20474	-.00049	-.00240	1.2822	2.7440	.00399	.01143	.02826
#2	.09104	.03392	.20763	-.00179	.00010	1.2844	2.7486	.00363	.01150	.02832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23421**	**.00009**	W **-.08165**	**.09350**	**.01814**	**.03657**
Stddev	.00010	.00065	.01096	.00039	.00021	.00206
%RSD	.04156	744.43	13.424	.41396	1.1689	5.6339
#1	.23428	.00054	-.08940	.09377	.01829	.03803
#2	.23414	-.00037	-.07390	.09322	.01799	.03512
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8749.1**	**114350.**	**6657.6**
Stddev	13.9	119.	10.4
%RSD	.15881	.10435	.15631
#1	8739.3	114260.	6650.2
#2	8758.9	114430.	6664.9

Sample Name: 280-48987-a-7-b Acquired: 11/12/2013 6:08:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**134.15**	**.02891**	**.00712**	**.41119**	**.00342**	**-.02162**	**7.0060**	**.00054**	**.02923**
Stddev	.00021	.15	.00071	.00060	.00051	.00005	.00249	.0222	.00004	.00013
%RSD	24.668	.11434	2.4470	8.3806	.12326	1.4545	11.502	.31686	7.1510	.45879
#1	-.00100	134.04	.02942	.00754	.41155	.00339	-.01986	6.9903	.00057	.02913
#2	-.00070	134.25	.02841	.00670	.41083	.00346	-.02338	7.0217	.00052	.02932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14939**	**.05115**	**124.31**	**3.6259**	**.10440**	**10.161**	**.39470**	**.00374**	**.36373**	**.06820**
Stddev	.00033	.00000	.36	.0018	.00172	.002	.00057	.00018	.02040	.00083
%RSD	.22377	.00348	.29273	.04896	1.6442	.01599	.14379	4.9216	5.6084	1.2120
#1	.14963	.05115	124.05	3.6247	.10561	10.160	.39430	.00387	.34930	.06878
#2	.14916	.05116	124.57	3.6272	.10318	10.162	.39510	.00361	.37815	.06761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0662**	**.09041**	**.54194**	**-.00242**	**.00340**	**1.4452**	**3.0926**	**.00584**	**.03827**	**.05935**
Stddev	.0038	.00027	.00035	.00006	.00080	.0006	.0012	.00041	.00018	.00181
%RSD	.35935	.30233	.06453	2.4627	23.479	.03775	.03775	7.0688	.47567	3.0492
#1	1.0635	.09060	.54219	-.00238	.00397	1.4455	3.0935	.00613	.03814	.05807
#2	1.0689	.09021	.54170	-.00246	.00284	1.4448	3.0918	.00554	.03840	.06063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58822**	**-.00280**	F **-.16111**	**.24295**	**.18195**	**.06833**
Stddev	.00037	.00043	.00764	.00005	.00185	.00117
%RSD	.06313	15.215	4.7413	.02056	1.0164	1.7117
#1	.58795	-.00310	-.15571	.24299	.18065	.06916
#2	.58848	-.00250	-.16651	.24292	.18326	.06751
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.0**	**113290.**	**6755.5**
Stddev	19.5	78.	4.7
%RSD	.22224	.06868	.06960
#1	8754.2	113230.	6758.8
#2	8781.8	113340.	6752.1

Sample Name: 280-48987-a-8-b Acquired: 11/12/2013 6:10:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**60.381**	**.00847**	**.00221**	**.12994**	**.00061**	**-.00659**	**.17943**	**.00020**	**.00333**
Stddev	.00062	.039	.00008	.00017	.00028	.00010	.00264	.00133	.00020	.00000
%RSD	232.62	.06512	.89290	7.8791	.21468	15.821	39.991	.74311	103.08	.08204
#1	.00017	60.354	.00852	.00233	.12974	.00054	-.00473	.18038	.00034	.00332
#2	-.00070	60.409	.00842	.00209	.13014	.00068	-.00846	.17849	.00005	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05817**	**.01413**	**20.891**	**1.8618**	**.01813**	**1.9152**	**.03784**	**.00201**	**.16862**	**.00834**
Stddev	.00013	.00014	.061	.0498	.00129	.0012	.00002	.00016	.01107	.00005
%RSD	.21725	1.0170	.29179	2.6770	7.1394	.06015	.05519	8.0821	6.5623	.60171
#1	.05826	.01423	20.934	1.8970	.01721	1.9144	.03783	.00189	.17644	.00837
#2	.05808	.01402	20.847	1.8266	.01904	1.9160	.03786	.00212	.16079	.00830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18248**	**.03589**	**.26392**	**-.00357**	**-.00418**	**1.7670**	**3.7815**	**.00377**	**.00900**	**.02896**
Stddev	.00128	.00037	.00045	.00301	.00025	.0350	.0750	.00002	.00013	.00064
%RSD	.70172	1.0213	.17057	84.496	5.8988	1.9827	1.9827	.61957	1.4676	2.2027
#1	.18158	.03615	.26360	-.00144	-.00435	1.7423	3.7284	.00375	.00891	.02941
#2	.18339	.03563	.26424	-.00570	-.00401	1.7918	3.8345	.00378	.00910	.02851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15769**	**-.00067**	F **-.13061**	**.13586**	**.02446**	**.04056**
Stddev	.00409	.00009	.00425	.00004	.00015	.00004
%RSD	2.5942	13.591	3.2516	.02809	.63145	.10902
#1	.15479	-.00061	-.12761	.13589	.02457	.04059
#2	.16058	-.00074	-.13362	.13583	.02436	.04052
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8887.2**	**115640.**	**6747.5**
Stddev	.0	294.	16.4
%RSD	.00054	.25447	.24238
#1	8887.1	115840.	6736.0
#2	8887.2	115430.	6759.1

Sample Name: 280-49040-a-1-b Acquired: 11/12/2013 6:13:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**159.94**	**.02548**	**.00059**	**.30742**	**.00164**	**-.02305**	**.40593**	**.00008**	**.01275**
Stddev	.00003	.03	.00023	.00006	.00149	.00001	.00221	.00471	.00012	.00016
%RSD	6.8747	.01736	.90673	10.172	.48422	.70611	9.5981	1.1608	143.07	1.2265
#1	-.00046	159.96	.02531	.00055	.30637	.00163	-.02148	.40260	.00017	.01264
#2	-.00041	159.92	.02564	.00063	.30847	.00164	-.02461	.40926	.00000	.01286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14896**	**.02763**	**122.60**	**2.2083**	**.11287**	**4.8212**	**.06103**	**.00199**	**.38575**	**.02445**
Stddev	.00005	.00003	1.35	.0017	.00189	.0063	.00016	.00017	.00184	.00054
%RSD	.03449	.10846	1.1046	.07457	1.6757	.12993	.25805	8.6630	.47811	2.2012
#1	.14892	.02765	121.64	2.2071	.11154	4.8167	.06092	.00212	.38705	.02483
#2	.14899	.02761	123.56	2.2095	.11421	4.8256	.06114	.00187	.38444	.02407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33203**	**.11110**	**.32215**	**-.00302**	**-.00160**	**1.5443**	**3.3047**	**.00685**	**.01637**	**.06499**
Stddev	.00203	.00002	.00126	.00184	.00322	.0043	.0093	.00006	.00004	.00138
%RSD	.61236	.01426	.39120	61.108	201.42	.28012	.28012	.84379	.22241	2.1253
#1	.33059	.11111	.32126	-.00432	.00068	1.5473	3.3113	.00681	.01635	.06596
#2	.33347	.11109	.32304	-.00171	-.00388	1.5412	3.2982	.00690	.01640	.06401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19033**	**-.00150**	F **-.20585**	**.30023**	**.05641**	**.07374**
Stddev	.00115	.00018	.01787	.00022	.00096	.00148
%RSD	.60517	11.896	8.6790	.07192	1.6987	2.0085
#1	.18952	-.00162	-.19322	.30039	.05573	.07269
#2	.19115	-.00137	-.21848	.30008	.05709	.07478
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8797.6**	**113250.**	**6801.4**
Stddev	12.9	378.	72.8
%RSD	.14694	.33406	1.0703
#1	8806.7	113520.	6852.9
#2	8788.4	112990.	6750.0

Sample Name: 280-49040-a-2-b Acquired: 11/12/2013 6:15:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**29.920**	**.00655**	**.00194**	**.08042**	**.00027**	**-.00250**	**.15594**	**-.00003**	**.00180**
Stddev	.00029	.050	.00128	.00030	.00021	.00001	.00108	.00172	.00008	.00009
%RSD	152.19	.16872	19.536	15.282	.26493	5.4291	43.351	1.1038	224.63	5.2627
#1	-.00040	29.955	.00565	.00215	.08026	.00026	-.00327	.15715	.00002	.00187
#2	.00001	29.884	.00746	.00173	.08057	.00028	-.00173	.15472	-.00009	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03468**	**.00749**	**6.6012**	**1.6297**	**.00646**	**.74832**	**.01174**	**.00127**	**.13403**	**.00424**
Stddev	.00028	.00041	.0098	.0076	.00200	.00406	.00004	.00016	.00220	.00036
%RSD	.79464	5.4418	.14793	.46827	30.880	.54197	.36285	12.447	1.6401	8.5744
#1	.03487	.00720	6.5943	1.6243	.00787	.74545	.01171	.00116	.13559	.00398
#2	.03448	.00778	6.6081	1.6351	.00505	.75118	.01177	.00139	.13248	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06163**	**.02319**	**.09601**	**-.00448**	**.00055**	**1.7268**	**3.6953**	**.00315**	**.01030**	**.01634**
Stddev	.00093	.00111	.00463	.00087	.00196	.0079	.0170	.00049	.00006	.00004
%RSD	1.5115	4.7842	4.8183	19.460	358.88	.45952	.45952	15.670	.58564	.24820
#1	.06097	.02241	.09928	-.00509	-.00084	1.7212	3.6833	.00280	.01026	.01637
#2	.06229	.02398	.09274	-.00386	.00193	1.7324	3.7073	.00350	.01034	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15282**	**.00049**	W **-.07240**	**.08402**	**.00883**	**.03247**
Stddev	.00152	.00136	.00437	.00009	.00088	.00128
%RSD	.99240	274.59	6.0407	.10154	9.9120	3.9307
#1	.15174	.00145	-.07549	.08396	.00945	.03157
#2	.15389	-.00047	-.06931	.08408	.00821	.03338
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8699.3**	**116390.**	**6714.3**
Stddev	18.7	130.	27.0
%RSD	.21474	.11189	.40228
#1	8712.5	116300.	6695.2
#2	8686.1	116480.	6733.4

Sample Name: 280-49040-a-4-b Acquired: 11/12/2013 6:17:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**136.78**	**.01552**	**.00064**	**.23829**	**.00099**	**-.01466**	**.29580**	**.00018**	**.00849**
Stddev	.00050	.22	.00204	.00026	.00036	.00003	.00072	.00259	.00007	.00010
%RSD	53.447	.16448	13.171	41.501	.15016	3.2035	4.9112	.87627	36.647	1.1201
#1	-.00058	136.94	.01696	.00045	.23854	.00097	-.01517	.29764	.00023	.00856
#2	-.00128	136.62	.01407	.00082	.23803	.00102	-.01415	.29397	.00013	.00843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10565**	**.01155**	**74.430**	**1.6292**	**.07930**	**3.8413**	**.04390**	**.00079**	**.57050**	**.01705**
Stddev	.00052	.00003	.391	.0045	.00325	.0132	.00036	.00027	.02361	.00010
%RSD	.49574	.22919	.52584	.27336	4.0994	.34390	.83004	33.940	4.1376	.59378
#1	.10602	.01153	74.706	1.6323	.07700	3.8319	.04364	.00098	.55381	.01712
#2	.10528	.01157	74.153	1.6260	.08160	3.8506	.04416	.00060	.58719	.01697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21071**	**.09713**	**.32389**	**-.00149**	**-.00342**	**1.4808**	**3.1689**	**.00618**	**.01483**	**.05056**
Stddev	.00033	.00054	.00060	.00206	.00601	.0279	.0596	.00009	.00000	.00006
%RSD	.15874	.55813	.18576	138.45	176.13	1.8811	1.8811	1.4455	.00602	.11085
#1	.21095	.09675	.32431	-.00294	-.00767	1.5005	3.2111	.00612	.01483	.05060
#2	.21047	.09751	.32346	-.00003	.00084	1.4611	3.1268	.00625	.01483	.05052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15538**	**-.00152**	F **-.23470**	**.22815**	**.03446**	**.06141**
Stddev	.00435	.00018	.02787	.00174	.00012	.00188
%RSD	2.7976	12.166	11.876	.76253	.33572	3.0619
#1	.15845	-.00165	-.25441	.22692	.03437	.06008
#2	.15231	-.00139	-.21499	.22938	.03454	.06274
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8785.9**	**112880.**	**6683.9**
Stddev	26.6	100.	21.7
%RSD	.30296	.08847	.32472
#1	8767.1	112960.	6668.6
#2	8804.8	112810.	6699.3

Sample Name: 280-49040-a-5-b Acquired: 11/12/2013 6:20:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**51.571**	**.00800**	**.00148**	**.10489**	**.00035**	**-.00561**	**.32562**	**.00012**	**.00270**
Stddev	.00059	.064	.00183	.00023	.00040	.00001	.00200	.00040	.00019	.00000
%RSD	275.15	.12365	22.872	15.632	.38045	1.5489	35.706	.12154	157.94	.02337
#1	-.00063	51.617	.00929	.00131	.10517	.00035	-.00419	.32590	.00025	.00270
#2	.00020	51.526	.00670	.00164	.10460	.00034	-.00703	.32534	-.00001	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04567**	**.00673**	**11.284**	**1.5803**	**.01243**	**1.3502**	**.02554**	**.00066**	**.24730**	**.00628**
Stddev	.00019	.00034	.038	.0208	.00006	.0100	.00013	.00013	.01086	.00004
%RSD	.42085	5.0747	.33340	1.3167	.50582	.73821	.52717	20.367	4.3894	.60167
#1	.04553	.00697	11.311	1.5656	.01247	1.3573	.02564	.00075	.23963	.00631
#2	.04580	.00649	11.257	1.5950	.01238	1.3432	.02545	.00056	.25498	.00626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09251**	**.03932**	**.15804**	**-.00092**	**-.00029**	**1.7686**	**3.7849**	**.00405**	**.01357**	**.02621**
Stddev	.00038	.00129	.00131	.00078	.00084	.0032	.0067	.00057	.00006	.00052
%RSD	.40802	3.2768	.82771	84.513	290.63	.17791	.17791	14.098	.44690	1.9882
#1	.09278	.03840	.15711	-.00148	.00030	1.7664	3.7801	.00446	.01361	.02658
#2	.09224	.04023	.15896	-.00037	-.00088	1.7709	3.7897	.00365	.01352	.02585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14563**	**-.00027**	F **-.12541**	**.07802**	**.02107**	**.04456**
Stddev	.00086	.00083	.05003	.00079	.00003	.00118
%RSD	.59084	308.55	39.891	1.0082	.12305	2.6511
#1	.14624	.00032	-.09003	.07858	.02105	.04540
#2	.14502	-.00086	-.16078	.07746	.02109	.04372
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8714.8**	**114750.**	**6593.8**
Stddev	35.3	596.	21.5
%RSD	.40469	.51969	.32550
#1	8689.9	114330.	6578.7
#2	8739.8	115170.	6609.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 6:22:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00730**	**50.820**	**.00174**	**.00096**	**-.00022**	**-.00006**	W **1.0823**	**.01353**	**-.00026**	**-.00025**	**.00023**	**.01107**
Stddev	.00016	.088	.00123	.00015	.00041	.00009	.0007	.00366	.00001	.00013	.00009	.00019
%RSD	2.1290	.17404	70.485	15.242	188.49	156.23	.06095	27.081	2.9696	52.555	41.416	1.6883
#1	.00741	50.758	.00261	.00106	-.00051	-.00012	1.0828	.01612	-.00027	-.00016	.00029	.01094
#2	.00719	50.883	.00088	.00086	.00007	.00001	1.0819	.01094	-.00026	-.00035	.00016	.01121
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.183**	**.00322**	**-.00290**	**.08228**	**.00078**	**-.00036**	**273.45**	**-.00023**	**-.00168**	**.00088**	**5.1748**	**-.00001**
Stddev	.222	.01378	.00126	.00351	.00000	.00001	.88	.00001	.00043	.00056	.0055	.00289
%RSD	.45099	428.62	43.455	4.2694	.10582	2.4709	.32173	5.8427	25.434	63.367	.10535	45201.
#1	49.027	-.00653	-.00201	.08477	.00078	-.00036	274.07	-.00024	-.00138	.00049	5.1709	-.00205
#2	49.340	.01296	-.00380	.07980	.00078	-.00035	272.82	-.00022	-.00198	.00127	5.1786	.00203
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00358**	**.00356**	**.00762**	**-.00052**	**.00001**	**5.0574**	**-.01308**	**.00110**	F **5.4764**	**.00160**	**.00234**	**.05936**
Stddev	.00112	.00667	.01427	.00011	.00014	.0046	.00043	.00052	.0031	.00034	.00010	.00149
%RSD	31.311	187.20	187.20	20.530	1344.1	.09136	3.2690	47.401	.05742	21.079	4.3452	2.5053
#1	-.00437	-.00115	-.00247	-.00044	.00011	5.0541	-.01338	.00073	5.4787	.00184	.00227	.06041
#2	-.00279	.00828	.01772	-.00059	-.00009	5.0607	-.01278	.00146	5.4742	.00136	.00242	.05831
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.6**	**105790.**	**6130.5**
Stddev	.2	71.	23.4
%RSD	.00258	.06685	.38238
#1	8013.4	105840.	6147.1
#2	8013.7	105740.	6114.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 6:24:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50413**	**.53775**	**.99827**	**.50421**	**.50948**	**.48395**	**-.00377**	**5.0163**	**.50368**	**.50586**	**.51161**	**.50649**	**2.3892**
Stddev	.00161	.00160	.00035	.00162	.00038	.00110	.00186	.0029	.00132	.00087	.00211	.00021	.0063
%RSD	.31870	.29800	.03525	.32121	.07542	.22737	49.422	.05825	.26198	.17222	.41283	.04187	.26462
#1	.50299	.53662	.99852	.50306	.50921	.48473	-.00509	5.0184	.50275	.50524	.51012	.50634	2.3936
#2	.50527	.53889	.99802	.50535	.50975	.48317	-.00245	5.0143	.50462	.50647	.51310	.50664	2.3847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.712**	**1.0225**	**20.250**	**.50003**	**.51460**	**5.2648**	**.51273**	**1.0123**	**1.0305**	**.03094**	**1.0061**	**1.0050**	**4.8201**
Stddev	.002	.0051	.090	.00151	.00099	.0624	.00071	.0018	.0030	.00082	.0013	.0028	.0172
%RSD	.00445	.49786	.44454	.30207	.19244	1.1848	.13945	.17880	.29291	2.6574	.12453	.27517	.35694
#1	52.711	1.0189	20.186	.49896	.51530	5.3089	.51223	1.0136	1.0327	.03152	1.0052	1.0030	4.8323
#2	52.714	1.0261	20.313	.50110	.51390	5.2207	.51324	1.0111	1.0284	.03036	1.0069	1.0069	4.8079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.315**	**1.0325**	**.50531**	**-.00469**	**.49333**	**1.0294**	**-.01065**	**.50037**	**.51055**	**.49686**
Stddev	.037	.0040	.00008	.00374	.00144	.0021	.02686	.00065	.00079	.00301
%RSD	.35694	.38960	.01624	79.846	.29197	.19999	252.11	.12953	.15392	.60511
#1	10.341	1.0297	.50525	-.00204	.49231	1.0308	-.02964	.49991	.50999	.49899
#2	10.289	1.0354	.50537	-.00733	.49435	1.0279	.00834	.50083	.51110	.49474
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8201.6**	**109280.**	**6339.4**
Stddev	19.1	582.	1.1
%RSD	.23261	.53244	.01795
#1	8215.0	109690.	6340.2
#2	8188.1	108870.	6338.6

Sample Name: CCB Acquired: 11/12/2013 6:26:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00400**	**.00132**	**.00037**	W **-.00063**	**.00000**	**-.00060**	**.00324**	**.00013**	**-.00004**	**-.00002**
Stddev	.00002	.00003	.00030	.00013	.00017	.0000	.00051	.00223	.00001	.00018	.00004
%RSD	6.9191	.81399	22.450	36.481	26.466	869.18	84.811	68.721	9.8121	440.09	149.20
#1	.00028	-.00402	.00153	.00027	-.00051	.00002	-.00095	.00166	.00012	-.00017	.00000
#2	.00025	-.00397	.00111	.00046	-.00074	-.00003	-.00024	.00481	.00014	.00009	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00064**	**-.03279**	**-.00225**	**-.00004**	**.00001**	**.00032**	**-.01360**	**.00031**	**-.00416**	**-.00085**
Stddev	.00012	.00355	.01424	.00025	.00389	.00003	.00005	.00127	.00016	.00013	.00072
%RSD	152.91	552.06	43.416	11.282	9849.0	453.10	16.540	9.3571	51.061	3.2331	85.535
#1	-.00001	-.00315	-.02273	-.00243	.00271	-.00002	.00036	-.01270	.00020	-.00407	-.00033
#2	.00016	.00187	-.04286	-.00207	-.00279	.00003	.00028	-.01450	.00042	-.00426	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03899**	W **.00413**	**.00014**	**-.01249**	**-.02673**	**.00076**	**.00002**	**.00044**	**-.00050**	**-.00004**	**.01712**
Stddev	.00185	.00021	.00049	.00295	.00632	.00044	.00013	.00036	.00011	.00062	.02633
%RSD	4.7326	4.9871	353.85	23.654	23.654	57.274	680.15	80.796	21.520	1519.6	153.74
#1	.03768	.00399	.00048	-.01458	-.03120	.00107	-.00008	.00019	-.00058	.00040	-.00149
#2	.04029	.00428	-.00021	-.01040	-.02226	.00045	.00011	.00069	-.00043	-.00048	.03574
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00032**	**.00258**	**.00195**
Stddev	.00007	.00016	.00114
%RSD	23.214	6.2781	58.425
#1	.00027	.00247	.00275
#2	.00037	.00270	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8145.5**	**110730.**	**6167.3**
Stddev	51.4	472.	50.0
%RSD	.63141	.42656	.81038
#1	8109.1	111070.	6132.0
#2	8181.8	110400.	6202.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:29:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01079**	**.10845**	**.01624**	**.09936**	**.01071**	**.00087**	**.12414**	**.20754**	**.00515**	**.01055**	**.01048**	**.01546**	**.09443**
Stddev	.00036	.00016	.00013	.00067	.00023	.00002	.00089	.00301	.00009	.00019	.00003	.00051	.00016
%RSD	3.3683	.15052	.78963	.67112	2.1673	2.8184	.71799	1.4525	1.8224	1.7943	.26937	3.3104	.16508
#1	.01054	.10857	.01633	.09983	.01054	.00089	.12351	.20967	.00522	.01069	.01050	.01510	.09454
#2	.01105	.10833	.01615	.09888	.01087	.00086	.12477	.20541	.00508	.01042	.01046	.01583	.09432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2338**	**.00901**	**.21341**	**.01027**	**.02024**	**1.0616**	**.04279**	**2.9727**	**.00936**	**.02909**	**.00790**	**.01499**	**.48965**
Stddev	.0415	.00030	.00758	.00010	.00011	.0249	.00014	.0063	.00090	.00099	.00123	.00157	.01853
%RSD	1.2836	3.3132	3.5538	.98519	.52603	2.3474	.32587	.21360	9.5889	3.4045	15.630	10.439	3.7836
#1	3.2044	.00922	.21877	.01019	.02032	1.0440	.04289	2.9772	.00873	.02979	.00702	.01389	.47655
#2	3.2631	.00880	.20805	.01034	.02017	1.0793	.04269	2.9683	.01000	.02839	.00877	.01610	.50275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0478**	**.10509**	**.01021**	**.01290**	**.00920**	**.01731**	F **.08133**	**.00994**	**.02477**	**.01862**
Stddev	.0396	.00060	.00010	.00161	.00034	.00131	.01790	.00042	.00024	.00051
%RSD	3.7836	.57329	.95739	12.485	3.7299	7.5826	22.011	4.2144	.98320	2.7523
#1	1.0198	.10552	.01014	.01176	.00944	.01824	.09399	.01024	.02460	.01826
#2	1.0759	.10466	.01028	.01404	.00895	.01638	.06867	.00965	.02494	.01898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8474.7**	**114590.**	**6381.0**
Stddev	4.7	104.	22.9
%RSD	.05590	.09108	.35840
#1	8471.4	114510.	6397.1
#2	8478.1	114660.	6364.8

Sample Name: mb 280-199858/1-b Acquired: 11/12/2013 6:31:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00248**	**.00065**	**-.00015**	**-.00045**	**-.00002**	**.00108**	**.01129**	**.00001**	**.00026**
Stddev	.00007	.00023	.00088	.00009	.00021	.00010	.00172	.00563	.00002	.00001
%RSD	28.325	9.1811	135.25	60.364	47.337	471.14	159.28	49.895	145.63	2.1353
#1	.00029	-.00232	.00003	-.00008	-.00030	-.00009	.00230	.01528	.00000	.00027
#2	.00020	-.00264	.00127	-.00021	-.00061	.00005	-.00014	.00731	.00003	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00007**	**.00231**	**-.05830**	**-.00274**	**.00393**	**.00013**	**-.00013**	**-.01630**	**.00047**
Stddev	.00017	.00004	.00039	.01507	.00312	.00132	.00002	.00018	.00841	.00036
%RSD	297.40	47.906	16.910	25.858	113.77	33.686	13.777	141.93	51.623	77.758
#1	.00018	.00005	.00258	-.04764	-.00054	.00486	.00012	.00000	-.02224	.00021
#2	-.00006	.00010	.00203	-.06896	-.00494	.00299	.00015	-.00025	-.01035	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**-.00094**	F **.04012**	**-.00194**	**.00053**	**-.00012**	**-.00025**	**-.00019**	**.00001**	W **.00006**
Stddev	.00104	.00007	.00149	.00057	.00053	.00229	.00490	.00009	.00002	.00001
%RSD	40.690	7.8415	3.7115	29.101	99.001	1986.2	1986.2	45.905	272.08	19.562
#1	-.00183	-.00099	.03907	-.00234	.00090	.00150	.00322	-.00025	.00002	.00007
#2	-.00330	-.00089	.04117	-.00154	.00016	-.00173	-.00371	-.00013	-.00001	.00005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00107**	**-.00172**	**.00045**	**.00331**	**.00056**
Stddev	.00016	.00020	.00261	.00006	.00007	.00130
%RSD	47.934	19.018	151.95	12.357	2.0100	233.74
#1	-.00022	-.00093	-.00356	.00041	.00336	.00148
#2	-.00045	-.00122	.00013	.00049	.00326	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8455.3**	**113720.**	**6410.5**
Stddev	6.3	525.	32.8
%RSD	.07429	.46184	.51129
#1	8459.7	113340.	6433.7
#2	8450.8	114090.	6387.4

Sample Name: lcs 280-199858/2-b Acquired: 11/12/2013 6:33:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05201**	**2.0234**	**1.0118**	**1.0215**	**2.0641**	**.04818**	**2.2960**	**48.589**	**.10739**	**.49647**
Stddev	.00010	.0024	.0031	.0018	.0010	.00013	.0043	.094	.00010	.00046
%RSD	.18427	.12092	.30188	.17456	.04933	.27410	.18734	.19326	.09728	.09190
#1	.05194	2.0252	1.0139	1.0202	2.0634	.04809	2.2929	48.523	.10747	.49679
#2	.05207	2.0217	1.0096	1.0228	2.0648	.04827	2.2990	48.655	.10732	.49615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20493**	**.26080**	**.94539**	**53.397**	**1.0263**	**50.573**	**.49749**	**1.0268**	**55.030**	**.50220**
Stddev	.00088	.00118	.00261	.146	.0005	.017	.00073	.0010	.537	.00031
%RSD	.42828	.45167	.27635	.27283	.04681	.03265	.14599	.09702	.97617	.06243
#1	.20555	.25997	.94724	53.294	1.0259	50.585	.49698	1.0275	55.410	.50197
#2	.20431	.26164	.94354	53.500	1.0266	50.561	.49800	1.0261	54.650	.50242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.376**	**.49895**	**.02931**	**.49474**	**2.0305**	**9.6445**	**20.639**	**2.0376**	**1.0200**	**1.0098**
Stddev	.005	.00152	.00222	.00065	.0006	.0301	.064	.0044	.0000	.0013
%RSD	.04651	.30423	7.5588	.13199	.02801	.31179	.31179	.21426	.00103	.12408
#1	10.373	.50002	.02775	.49520	2.0309	9.6658	20.685	2.0406	1.0200	1.0107
#2	10.379	.49788	.03088	.49428	2.0301	9.6233	20.594	2.0345	1.0200	1.0089
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99788**	**1.9738**	**2.1646**	**.50728**	**.50672**	**.51007**
Stddev	.00084	.0010	.0336	.00006	.00200	.00289
%RSD	.08463	.05169	1.5508	.01217	.39522	.56724
#1	.99728	1.9731	2.1409	.50733	.50530	.51211
#2	.99848	1.9745	2.1884	.50724	.50813	.50802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8153.7**	**108670.**	**6416.6**
Stddev	4.1	165.	39.9
%RSD	.05003	.15153	.62178
#1	8156.6	108790.	6444.8
#2	8150.9	108560.	6388.4

Sample Name: 280-48924-c-1-b Acquired: 11/12/2013 6:35:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00607**	**-.00267**	**.02906**	**.00055**	**.00000**	**-.00011**	**.04164**	**-.00003**	**.00036**
Stddev	.00015	.00006	.00112	.00030	.00015	.0000	.00128	.00664	.00002	.00020
%RSD	23.746	.99985	41.970	1.0429	27.662	1795.4	1202.6	15.954	68.789	55.515
#1	.00052	.00603	-.00346	.02928	.00066	-.00003	.00080	.04633	-.00002	.00050
#2	.00074	.00612	-.00188	.02885	.00045	.00003	-.00101	.03694	-.00005	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**.00042**	**.00124**	**.00684**	**-.00107**	**.00378**	**.00034**	**.00016**	**.00034**	**.00160**
Stddev	.00008	.00035	.00024	.00790	.00064	.00137	.00002	.00005	.00964	.00017
%RSD	2.2306	83.412	19.057	115.58	59.972	36.196	6.2414	29.300	2854.1	10.852
#1	.00345	.00017	.00141	.01243	-.00062	.00475	.00033	.00013	.00715	.00147
#2	.00334	.00067	.00107	.00125	-.00152	.00281	.00036	.00019	-.00648	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00287**	**-.00135**	**.03473**	**-.00217**	**-.00066**	**.01308**	**.02799**	**.00002**	**.00027**	**-.00074**
Stddev	.00111	.00086	.00345	.00038	.00034	.01656	.03543	.00005	.00002	.00067
%RSD	38.846	63.727	9.9297	17.649	51.627	126.58	126.58	359.07	7.1255	90.107
#1	-.00366	-.00074	.03717	-.00190	-.00042	.00137	.00294	.00005	.00028	-.00122
#2	-.00208	-.00195	.03229	-.00244	-.00091	.02479	.05305	-.00002	.00025	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00107**	**.00070**	**.00018**	**.00397**	**.00257**
Stddev	.00044	.00046	.01634	.00055	.00015	.00106
%RSD	264.00	43.056	2318.1	304.17	3.7414	41.190
#1	.00048	.00074	.01226	.00057	.00386	.00332
#2	-.00014	.00139	-.01085	-.00021	.00407	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.7**	**115130.**	**6484.3**
Stddev	32.4	303.	41.9
%RSD	.38192	.26298	.64599
#1	8498.6	115340.	6454.7
#2	8452.9	114910.	6513.9

Sample Name: 280-48924-c-2-b Acquired: 11/12/2013 6:38:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00077**	**.00032**	**.03068**	**.10504**	**.00001**	**-.00050**	**30.817**	**.00014**	**.00257**
Stddev	.00057	.00012	.00032	.00070	.00009	.00002	.00083	.051	.00019	.00020
%RSD	82.562	15.221	101.84	2.2797	.09009	131.54	166.69	.16655	130.83	7.9375
#1	.00029	.00069	.00055	.03117	.10510	.00003	.00009	30.853	.00028	.00271
#2	.00110	.00085	.00009	.03018	.10497	.00000	-.00108	30.780	.00001	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00233**	**.04119**	**7.4719**	**.11910**	**16.572**	**.09188**	**.00477**	W **575.90**	**.00329**
Stddev	.00007	.00019	.00344	.0535	.00439	.087	.00012	.00007	.10	.00061
%RSD	99.691	7.9498	8.3506	.71586	3.6898	.52524	.12833	1.5216	.01817	18.397
#1	.00012	.00246	.04362	7.4341	.12221	16.633	.09196	.00472	575.98	.00372
#2	.00002	.00220	.03876	7.5097	.11600	16.510	.09179	.00482	575.83	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00799**	**-.00014**	**26.290**	**-.00198**	**.00111**	**3.1683**	**6.7801**	**.00067**	**3.1265**	**-.00267**
Stddev	.00008	.00111	.002	.00052	.00089	.0209	.0447	.00101	.0039	.00154
%RSD	1.0562	766.00	.00729	26.164	80.223	.65967	.65967	151.52	.12477	57.689
#1	.00805	-.00093	26.289	-.00161	.00048	3.1535	6.7485	-.00005	3.1292	-.00158
#2	.00793	.00064	26.291	-.00235	.00174	3.1831	6.8118	.00138	3.1237	-.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00064**	**.01883**	**.00115**	**.00658**	**.00167**
Stddev	.00000	.00045	.01057	.00037	.00038	.00008
%RSD	1.2913	69.296	56.124	32.049	5.7145	5.0230
#1	.00014	.00096	.01136	.00089	.00632	.00173
#2	.00014	.00033	.02630	.00142	.00685	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7677.9**	**100320.**	**6288.4**
Stddev	15.0	885.	75.9
%RSD	.19551	.88247	1.2062
#1	7667.3	99692.	6342.0
#2	7688.6	100940.	6234.8

Sample Name: 280-48924-c-3-b Acquired: 11/12/2013 6:40:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00540**	**.00347**	**.02844**	**.10081**	**-.00001**	**.00109**	**29.199**	**.00015**	**.00216**
Stddev	.00037	.00033	.00368	.00050	.00012	.00005	.00387	.116	.00007	.00014
%RSD	270.88	6.1177	106.10	1.7494	.11802	410.26	353.39	.39741	46.546	6.2860
#1	-.00012	.00564	.00087	.02809	.10089	-.00005	.00383	29.117	.00020	.00226
#2	.00039	.00517	.00607	.02879	.10073	.00002	-.00164	29.281	.00010	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00161**	**.02462**	**7.2825**	**.11601**	**15.694**	**.08973**	**.00419**	W **546.01**	**.00314**
Stddev	.00018	.00036	.00266	.0258	.00210	.001	.00000	.00022	1.78	.00007
%RSD	113.40	22.151	10.789	.35478	1.8067	.00878	.00481	5.1995	.32560	2.3462
#1	.00028	.00187	.02274	7.2642	.11453	15.695	.08973	.00404	544.75	.00319
#2	.00003	.00136	.02649	7.3008	.11749	15.693	.08973	.00434	547.26	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**-.00005**	**25.122**	**-.00332**	**-.00035**	**3.0358**	**6.4966**	**-.00020**	**2.9538**	**-.00177**
Stddev	.00077	.00056	.026	.00106	.00149	.0083	.0178	.00006	.0062	.00005
%RSD	10.201	1217.0	.10182	31.791	430.61	.27446	.27446	31.020	.21024	2.6613
#1	.00704	.00035	25.104	-.00257	-.00140	3.0299	6.4840	-.00025	2.9494	-.00174
#2	.00813	-.00045	25.140	-.00407	.00071	3.0417	6.5092	-.00016	2.9582	-.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00016**	**.00212**	**.00051**	**.00648**	**.00148**
Stddev	.00007	.00075	.03647	.00020	.00036	.00295
%RSD	38.569	471.20	1717.1	40.334	5.5784	199.13
#1	-.00022	-.00037	.02791	.00036	.00622	-.00060
#2	-.00013	.00069	-.02366	.00065	.00673	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.4**	**100750.**	**6223.9**
Stddev	10.4	387.	17.4
%RSD	.13475	.38436	.27980
#1	7723.1	100470.	6211.6
#2	7737.8	101020.	6236.3

Sample Name: 280-48924-a-4-b Acquired: 11/12/2013 6:43:06 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.06142**	**-.00219**	**.03903**	**.02134**	**.00000**	**-.00096**	**435.79**	**.00057**	**.00055**
Stddev	.00003	.00032	.00100	.00005	.00002	.00011	.00068	13.44	.00002	.00012
%RSD	5.3381	.51517	45.739	.13895	.09054	5764.9	70.445	3.0834	3.7771	22.784
#1	.00065	.06120	-.00148	.03899	.02136	.00008	-.00048	426.28	.00059	.00046
#2	.00061	.06165	-.00289	.03907	.02133	-.00008	-.00144	445.29	.00056	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00134**	**.59397**	**8.2034**	**.01817**	**65.302**	**.14647**	**.00135**	**451.64**	**.00085**
Stddev	.00016	.00036	.00085	.0614	.00055	.524	.00008	.00045	.99	.00022
%RSD	30.655	26.518	.14283	.74870	3.0346	.80315	.05790	33.267	.21970	25.487
#1	.00065	.00109	.59337	8.1599	.01856	65.672	.14653	.00167	450.94	.00070
#2	.00042	.00159	.59457	8.2468	.01778	64.931	.14641	.00103	452.34	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01412**	**-.00124**	F **718.90**	**-.00129**	**-.00391**	**.85831**	**1.8368**	**-.00009**	W **7.6139**	**-.00206**
Stddev	.00091	.00184	1.21	.00005	.00007	.00807	.0173	.00048	.0689	.00048
%RSD	6.4363	147.80	.16833	3.8850	1.8822	.94001	.94001	527.25	.90520	23.291
#1	.01476	-.00254	718.04	-.00126	-.00386	.85261	1.8246	.00025	7.5652	-.00172
#2	.01348	.00006	719.75	-.00133	-.00397	.86402	1.8490	-.00043	7.6627	-.00240
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00084**	**-.02196**	**.00080**	**.01088**	**.00339**
Stddev	.00014	.00144	.01881	.00017	.00006	.00249
%RSD	340.05	171.36	85.679	21.032	.51011	73.384
#1	.00006	.00186	-.00865	.00091	.01084	.00515
#2	-.00014	-.00018	-.03526	.00068	.01092	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7782.6**	**102540.**	**6497.5**
Stddev	16.1	1268.	36.1
%RSD	.20733	1.2369	.55490
#1	7771.2	101650.	6472.1
#2	7794.0	103440.	6523.0

Sample Name: 280-48922-d-1-b Acquired: 11/12/2013 6:45:44 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00271**	**.00090**	**.01080**	**.06530**	**-.00011**	**-.00004**	**36.707**	**.00016**	**.00011**
Stddev	.00019	.00014	.00048	.00025	.00044	.00000	.00093	.079	.00005	.00017
%RSD	38.010	5.1717	53.982	2.3312	.66818	2.1686	2068.4	.21616	27.630	158.41
#1	.00063	.00281	.00124	.01098	.06561	-.00011	.00061	36.651	.00013	.00022
#2	.00036	.00261	.00056	.01062	.06499	-.00011	-.00070	36.763	.00020	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00045**	**.01828**	**1.5723**	**.00491**	**8.4605**	**.01271**	**.00063**	**18.326**	**.00063**
Stddev	.00014	.00015	.00030	.0459	.00277	.0046	.00002	.00000	.181	.00007
%RSD	178.78	32.619	1.6225	2.9200	56.534	.05475	.18663	.35996	.98501	11.437
#1	-.00002	.00055	.01849	1.6047	.00687	8.4637	.01269	.00063	18.454	.00068
#2	.00018	.00035	.01807	1.5398	.00295	8.4572	.01272	.00064	18.199	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00341**	**-.00051**	**17.503**	**-.00197**	**.00033**	**4.9672**	**10.630**	**-.00013**	**.35194**	**.00003**
Stddev	.00076	.00115	.013	.00061	.00245	.0159	.034	.00029	.00046	.00155
%RSD	22.261	226.74	.07240	30.762	752.60	.31972	.31972	226.64	.13105	5165.3
#1	-.00394	.00031	17.512	-.00240	.00206	4.9784	10.654	.00008	.35161	-.00107
#2	-.00287	-.00132	17.494	-.00154	-.00141	4.9560	10.606	-.00034	.35227	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00075**	**.01145**	**.00031**	**.00312**	**.00075**
Stddev	.00001	.00106	.01682	.00001	.00025	.00114
%RSD	14.384	140.61	146.88	1.9311	7.9897	152.73
#1	-.00009	.00150	.02334	.00031	.00295	-.00006
#2	-.00011	.00000	-.00044	.00032	.00330	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8417.8**	**113880.**	**6712.9**
Stddev	5.9	92.	1.3
%RSD	.07037	.08040	.01890
#1	8422.0	113820.	6712.0
#2	8413.6	113950.	6713.8

Sample Name: 280-48922-d-2-b Acquired: 11/12/2013 6:48:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00352**	**.00103**	**.02122**	**.05045**	**-.00004**	**-.00067**	**89.867**	**.00052**	**-.00010**
Stddev	.00035	.00027	.00126	.00037	.00065	.00000	.00098	.035	.00003	.00015
%RSD	208.09	7.8077	122.93	1.7478	1.2812	.15484	147.13	.03905	5.5398	148.67
#1	-.00008	-.00371	.00192	.02096	.05000	-.00004	.00003	89.892	.00054	.00001
#2	.00041	-.00332	.00013	.02148	.05091	-.00004	-.00136	89.842	.00050	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00174**	**.01185**	**5.9955**	**.07508**	**72.911**	**.02572**	**.00066**	**391.00**	**.00115**
Stddev	.00001	.00012	.00055	.0552	.00110	.172	.00024	.00011	.93	.00010
%RSD	7.1019	6.7032	4.6287	.92023	1.4696	.23550	.93487	16.619	.23735	8.8858
#1	.00018	.00183	.01224	6.0346	.07430	72.790	.02555	.00074	390.34	.00122
#2	.00020	.00166	.01146	5.9565	.07586	73.033	.02589	.00059	391.65	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00089**	F **213.24**	**-.00254**	**-.00185**	**4.3997**	**9.4153**	**.00006**	**3.1041**	**-.00131**
Stddev	.00059	.00036	.22	.00100	.00005	.0335	.0717	.00015	.0041	.00191
%RSD	287.82	40.601	.10195	39.305	2.7711	.76172	.76172	256.00	.13217	145.83
#1	.00021	-.00114	213.08	-.00183	-.00181	4.3760	9.3646	.00016	3.1012	-.00267
#2	-.00062	-.00063	213.39	-.00325	-.00188	4.4234	9.4660	-.00005	3.1070	.00004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.00112**	**.00450**	**.00045**	**.00464**	**.00330**
Stddev	.00008	.00072	.06006	.00014	.00033	.00003
%RSD	17.472	64.117	1334.8	30.561	7.0579	.76277
#1	-.00054	.00163	.04697	.00055	.00487	.00328
#2	-.00042	.00061	-.03797	.00035	.00441	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7869.2**	**105270.**	**6534.1**
Stddev	3.4	970.	18.2
%RSD	.04313	.92160	.27870
#1	7871.6	105960.	6521.3
#2	7866.8	104580.	6547.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 6:50:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00809**	**51.469**	**.00328**	**.00065**	**-.00012**	**-.00015**	F **1.1055**	**.02928**	**-.00016**	**-.00020**	**.00017**	**.01161**
Stddev	.00025	.116	.00008	.00024	.00003	.00020	.0045	.00161	.00021	.00028	.00000	.00032
%RSD	3.1196	.22469	2.5323	37.096	26.478	133.84	.41020	5.5066	126.78	139.21	1.7923	2.7842
#1	.00827	51.388	.00333	.00082	-.00015	-.00030	1.1087	.03042	-.00031	.00000	.00017	.01184
#2	.00792	51.551	.00322	.00048	-.00010	-.00001	1.1023	.02814	-.00002	-.00040	.00017	.01138
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.495**	**.12051**	**-.00008**	**.08880**	**.00080**	**-.00002**	F **277.75**	**.00003**	**-.00069**	**.00007**	W **5.2969**	**-.00116**
Stddev	.207	.00366	.00018	.00174	.00005	.00010	1.24	.00003	.00026	.00051	.0433	.00172
%RSD	.41819	3.0344	230.74	1.9549	6.1348	572.03	.44506	100.07	37.480	734.29	.81703	149.07
#1	49.349	.12310	.00005	.08757	.00084	.00006	276.87	.00006	-.00088	-.00029	5.3275	-.00238
#2	49.641	.11793	-.00020	.09002	.00077	-.00009	278.62	.00001	-.00051	.00043	5.2663	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00525**	**.00958**	**.02050**	**.00023**	**.00049**	**5.1420**	**-.01335**	**.00178**	F **5.5349**	**.00142**	**.00197**	**.05645**
Stddev	.00387	.00804	.01722	.00017	.00005	.0034	.00022	.00038	.0018	.00014	.00008	.00102
%RSD	73.709	83.974	83.974	74.422	9.2274	.06592	1.6208	21.569	.03195	9.7264	4.2523	1.8126
#1	-.00251	.01527	.03267	.00035	.00046	5.1444	-.01350	.00205	5.5362	.00132	.00202	.05717
#2	-.00799	.00389	.00833	.00011	.00053	5.1396	-.01320	.00151	5.5337	.00151	.00191	.05572
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8064.9**	**106800.**	**6432.5**
Stddev	32.2	699.	60.2
%RSD	.39924	.65477	.93524
#1	8042.2	107300.	6475.1
#2	8087.7	106310.	6390.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 6:52:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50311**	**.53549**	**.99803**	**.50266**	**.51264**	**.48528**	**-.00423**	**5.0138**	**.50381**	**.50771**	**.51046**	**.50533**	**2.3895**
Stddev	.00005	.00001	.00460	.00043	.00109	.00155	.00238	.0061	.00046	.00071	.00036	.00020	.0102
%RSD	.01071	.00273	.46106	.08612	.21165	.31977	56.167	.12163	.09138	.14079	.07056	.03954	.42737
#1	.50315	.53550	1.0013	.50236	.51341	.48638	-.00592	5.0095	.50414	.50821	.51071	.50547	2.3822
#2	.50307	.53548	.99477	.50297	.51188	.48418	-.00255	5.0181	.50349	.50720	.51020	.50519	2.3967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.006**	**1.0250**	**20.177**	**.50037**	**.51429**	**5.4211**	**.51312**	**1.0066**	**1.0316**	**.04760**	**1.0082**	**.99823**	**4.8038**
Stddev	.192	.0005	.053	.00047	.00293	.0154	.00059	.0036	.0086	.00175	.0068	.00187	.0003
%RSD	.36201	.04630	.26281	.09342	.56924	.28346	.11420	.35821	.83734	3.6671	.67490	.18743	.00665
#1	53.142	1.0254	20.140	.50004	.51636	5.4320	.51354	1.0091	1.0377	.04883	1.0130	.99955	4.8036
#2	52.871	1.0247	20.215	.50070	.51222	5.4103	.51271	1.0041	1.0255	.04636	1.0033	.99691	4.8040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.280**	**1.0249**	**.50819**	**-.00529**	**.49486**	**1.0285**	**.00053**	**.50276**	**.51381**	**.49651**
Stddev	.001	.0074	.00155	.00223	.00013	.0054	.05348	.00267	.00099	.00226
%RSD	.00665	.71825	.30433	42.069	.02616	.52799	10095.	.53016	.19194	.45533
#1	10.280	1.0301	.50928	-.00372	.49496	1.0323	-.03729	.50088	.51312	.49811
#2	10.281	1.0197	.50710	-.00686	.49477	1.0246	.03835	.50465	.51451	.49491
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8235.5**	**110350.**	**6358.3**
Stddev	3.1	665.	38.2
%RSD	.03707	.60260	.60051
#1	8237.7	110820.	6385.3
#2	8233.4	109880.	6331.3

Sample Name: CCB Acquired: 11/12/2013 6:55:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00472**	**.00182**	**.00027**	**-.00027**	**.00008**	**.00079**	**.00440**	**.00028**	**.00032**	**-.00011**	**-.00042**
Stddev	.00023	.00037	.00181	.00019	.00006	.00013	.00280	.00002	.00000	.00004	.00002	.00007
%RSD	27.940	7.7708	99.800	70.218	21.270	163.74	352.92	.36791	.20892	11.580	20.751	16.394
#1	.00098	-.00446	.00310	.00040	-.00023	.00017	-.00119	.00441	.00029	.00035	-.00010	-.00047
#2	.00066	-.00497	.00053	.00013	-.00031	-.00001	.00278	.00439	.00028	.00030	-.00013	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.06858**	**-.00225**	**-.00044**	**.00007**	**.00033**	**.05906**	**.00023**	**-.00304**	**.00010**	**.05122**	W **.00438**
Stddev	.00255	.04547	.00074	.00174	.00007	.00003	.00753	.00002	.00182	.00007	.00165	.00066
%RSD	182.56	66.310	32.674	398.75	102.36	9.3415	12.752	8.5619	59.764	73.805	3.2173	15.092
#1	-.00320	.10073	-.00173	-.00166	.00012	.00036	.05373	.00022	-.00176	.00015	.05239	.00485
#2	.00041	.03642	-.00277	.00079	.00002	.00031	.06438	.00025	-.00433	.00005	.05006	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.00502**	**.01075**	**.00037**	**.00005**	**-.00031**	**-.00018**	**.00055**	**.02020**	**.00007**	**.00260**	**.00229**
Stddev	.00172	.00242	.00519	.00005	.00003	.00004	.00021	.00052	.00667	.00043	.00016	.00029
%RSD	88.925	48.258	48.258	14.031	61.359	14.469	117.26	95.480	33.026	574.90	6.0829	12.535
#1	-.00316	.00674	.01442	.00040	.00008	-.00027	-.00033	.00092	.01549	-.00023	.00272	.00249
#2	-.00072	.00331	.00708	.00033	.00003	-.00034	-.00003	.00018	.02492	.00038	.00249	.00208
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8375.4**	**113910.**	**6417.2**
Stddev	38.2	829.	17.5
%RSD	.45652	.72787	.27317
#1	8348.3	113320.	6404.8
#2	8402.4	114500.	6429.6

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:57:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.10838**	**.01568**	**.10021**	**.01008**	**.00086**	**.12623**	**.20482**	**.00519**	**.01071**	**.01048**	**.01558**	**.09438**
Stddev	.00055	.00035	.00139	.00073	.00014	.00003	.00504	.00716	.00008	.00005	.00006	.00023	.00049
%RSD	5.0549	.32459	8.8537	.72538	1.3402	3.2621	3.9953	3.4970	1.6118	.48487	.53998	1.5078	.51434
#1	.01126	.10863	.01470	.10073	.01017	.00088	.12980	.19976	.00513	.01067	.01044	.01575	.09404
#2	.01048	.10813	.01666	.09970	.00998	.00084	.12267	.20989	.00525	.01075	.01052	.01542	.09473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1909**	**.00975**	**.21028**	**.01027**	**.02008**	**1.1015**	**.04271**	**2.9890**	**.00946**	**.03366**	**.00920**	**.01361**	**.47841**
Stddev	.0248	.00222	.00012	.00016	.00012	.0130	.00011	.0207	.00040	.00302	.00035	.00002	.02190
%RSD	.77659	22.728	.05614	1.5604	.61235	1.1831	.26381	.69144	4.2404	8.9617	3.8419	.18260	4.5772
#1	3.1734	.00819	.21036	.01015	.02017	1.1107	.04263	3.0036	.00975	.03580	.00895	.01363	.46292
#2	3.2085	.01132	.21019	.01038	.01999	1.0923	.04279	2.9743	.00918	.03153	.00945	.01359	.49389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0238**	**.10508**	**.01022**	**.01387**	**.00918**	**.01733**	F **.08247**	**.01038**	**.02358**	**.01633**
Stddev	.0469	.00051	.00013	.00091	.00007	.00072	.03910	.00028	.00003	.00269
%RSD	4.5772	.48414	1.2390	6.5252	.74042	4.1399	47.411	2.7426	.14028	16.475
#1	.99065	.10544	.01013	.01323	.00914	.01784	.11012	.01058	.02361	.01443
#2	1.0569	.10472	.01031	.01451	.00923	.01683	.05482	.01018	.02356	.01823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8652.5**	**117870.**	**6639.9**
Stddev	1.9	747.	2.0
%RSD	.02242	.63377	.03078
#1	8653.8	118400.	6638.5
#2	8651.1	117350.	6641.4

Sample Name: 280-48905-d-4-c Acquired: 11/12/2013 6:59:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00071**	**.00344**	**.22248**	**.04176**	**-.00004**	**-.00004**	**74.708**	**.00041**	**.00046**
Stddev	.00005	.00023	.00109	.00012	.00026	.00003	.00243	.118	.00003	.00000
%RSD	17.626	31.807	31.601	.05222	.61518	63.235	6402.7	.15789	8.1118	.68387
#1	.00032	-.00087	.00268	.22257	.04157	-.00002	.00168	74.792	.00039	.00046
#2	.00025	-.00055	.00421	.22240	.04194	-.00006	-.00176	74.625	.00043	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00971**	**.03428**	**17.029**	**.03143**	**17.221**	**.01422**	**.00528**	**129.45**	**.00247**
Stddev	.00008	.00028	.00086	.094	.00066	.009	.00010	.00015	.33	.00022
%RSD	25.156	2.9005	2.5194	.54928	2.0938	.05300	.70295	2.7908	.25377	8.9961
#1	.00025	.00952	.03489	16.962	.03096	17.215	.01429	.00539	129.68	.00262
#2	.00036	.00991	.03367	17.095	.03189	17.227	.01415	.00518	129.21	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15350**	**-.00051**	**51.650**	**-.00243**	**.00299**	**2.0516**	**4.3903**	**.00053**	**.74992**	**.00036**
Stddev	.00001	.00047	.089	.00234	.00028	.0251	.0536	.00001	.00071	.00090
%RSD	.00549	91.910	.17153	96.175	9.3474	1.2216	1.2216	1.4907	.09445	247.34
#1	.15350	-.00018	51.712	-.00409	.00279	2.0338	4.3524	.00053	.75042	-.00027
#2	.15351	-.00084	51.587	-.00078	.00319	2.0693	4.4282	.00054	.74942	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00091**	**.00869**	**.00067**	**.04923**	**.00387**
Stddev	.00062	.00065	.03864	.00030	.00018	.00028
%RSD	117.80	71.071	444.69	44.611	.37415	7.2570
#1	-.00009	.00137	.03601	.00088	.04936	.00367
#2	-.00096	.00045	-.01863	.00046	.04910	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8153.6**	**109610.**	**6618.9**
Stddev	12.2	283.	15.4
%RSD	.14988	.25791	.23262
#1	8162.2	109410.	6629.8
#2	8144.9	109810.	6608.0

Sample Name: 280-48963-a-1-b Acquired: 11/12/2013 7:01:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.01970**	**.00139**	**.01142**	**.03762**	**-.00002**	**.00190**	**22.631**	**.00013**	**.00014**
Stddev	.00016	.00025	.00313	.00005	.00048	.00003	.00046	.079	.00005	.00000
%RSD	35.467	1.2446	225.52	.46735	1.2671	178.61	23.996	.34818	34.806	1.8839
#1	.00058	.01953	-.00083	.01139	.03795	-.00004	.00158	22.575	.00016	.00014
#2	.00035	.01988	.00360	.01146	.03728	.00000	.00223	22.687	.00010	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00067**	**.00848**	**2.5891**	**.00793**	**5.4885**	**.00097**	**.01218**	**18.407**	**.00069**
Stddev	.00003	.00014	.00165	.0158	.00075	.0163	.00003	.00001	.110	.00009
%RSD	34.768	21.371	19.451	.61020	9.4495	.29709	3.4772	.11416	.59896	13.602
#1	.00011	.00057	.00965	2.6003	.00740	5.5001	.00100	.01219	18.329	.00076
#2	.00006	.00077	.00731	2.5780	.00847	5.4770	.00095	.01217	18.485	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00370**	**.00029**	**17.438**	**-.00088**	**-.00098**	**1.9868**	**4.2518**	**-.00044**	**.20609**	**-.00089**
Stddev	.00008	.00113	.018	.00122	.00144	.0007	.0015	.00015	.00064	.00230
%RSD	2.0398	385.50	.10354	139.16	146.12	.03502	.03502	33.638	.31260	258.20
#1	-.00376	-.00051	17.425	-.00174	-.00200	1.9863	4.2507	-.00033	.20563	.00074
#2	-.00365	.00109	17.451	-.00001	.00003	1.9873	4.2528	-.00054	.20654	-.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00021**	**.01709**	**.00005**	**.00325**	**.00268**
Stddev	.00009	.00104	.01212	.00031	.00034	.00000
%RSD	26.995	501.15	70.938	580.20	10.422	.03200
#1	-.00028	.00094	.02566	.00027	.00301	.00268
#2	-.00041	-.00053	.00852	-.00016	.00349	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8441.0**	**114590.**	**6676.7**
Stddev	20.1	366.	61.2
%RSD	.23789	.31919	.91592
#1	8426.8	114330.	6720.0
#2	8455.2	114850.	6633.5

Sample Name: 280-48963-d-2-b Acquired: 11/12/2013 7:04:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.03521**	**.00048**	**.01073**	**.02845**	**.00003**	**.00098**	**24.028**	**.00009**	**.00011**
Stddev	.00019	.00032	.00069	.00015	.00005	.00002	.00052	.076	.00004	.00009
%RSD	56.919	.91314	141.59	1.3804	.16501	69.442	52.976	.31475	41.548	79.056
#1	.00020	.03544	.00000	.01063	.02848	.00002	.00061	24.081	.00012	.00018
#2	.00047	.03498	.00097	.01084	.02841	.00005	.00134	23.974	.00006	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00208**	**.02981**	**1.7996**	**.00462**	**5.4551**	**.00060**	**.00638**	**18.336**	**.00063**
Stddev	.00007	.00006	.00012	.0117	.00216	.0118	.00002	.00017	.502	.00004
%RSD	1077.7	3.0225	.39836	.65044	46.826	.21699	3.4430	2.6205	2.7377	5.5370
#1	-.00006	.00204	.02973	1.8079	.00309	5.4467	.00059	.00650	17.981	.00061
#2	.00005	.00213	.02990	1.7913	.00615	5.4635	.00062	.00626	18.690	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00220**	**-.00080**	**14.746**	**-.00177**	**.00126**	**2.7697**	**5.9273**	**.00044**	**.17731**	**-.00003**
Stddev	.00018	.00050	.013	.00020	.00198	.0054	.0115	.00016	.00050	.00199
%RSD	8.3693	62.761	.09126	11.315	156.38	.19360	.19360	35.909	.27985	7370.5
#1	-.00207	-.00045	14.737	-.00191	-.00013	2.7660	5.9191	.00033	.17766	-.00144
#2	-.00232	-.00116	14.756	-.00163	.00266	2.7735	5.9354	.00055	.17696	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00046**	**-.00218**	**.00099**	**.00371**	**.00070**
Stddev	.00048	.00014	.00145	.00028	.00015	.00030
%RSD	86.176	30.566	66.733	28.623	3.9132	43.416
#1	.00022	-.00056	-.00321	.00119	.00381	.00049
#2	.00090	-.00036	-.00115	.00079	.00361	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8535.7**	**114530.**	**6635.2**
Stddev	55.4	276.	37.9
%RSD	.64879	.24108	.57115
#1	8496.5	114330.	6608.4
#2	8574.8	114720.	6662.0

Sample Name: 280-48963-a-3-b Acquired: 11/12/2013 7:06:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.01533**	**.00081**	**.01131**	**.03220**	**-.00004**	**-.00077**	**26.930**	**.00007**	**.00021**
Stddev	.00020	.00033	.00131	.00075	.00037	.00006	.00140	.031	.00014	.00010
%RSD	35.266	2.1232	161.80	6.6353	1.1379	172.38	181.16	.11551	196.24	45.103
#1	.00069	.01510	-.00012	.01184	.03194	-.00008	.00022	26.952	-.00003	.00015
#2	.00042	.01556	.00173	.01078	.03245	.00001	-.00176	26.908	.00017	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00573**	**.01393**	**1.9064**	**.00559**	**5.6901**	**.00030**	**.00813**	**19.742**	**.00051**
Stddev	.00002	.00024	.00139	.0006	.00102	.0165	.00002	.00009	.103	.00033
%RSD	98.952	4.2376	9.9655	.03384	18.233	.28921	6.9356	1.1187	.52041	63.563
#1	.00003	.00590	.01491	1.9068	.00487	5.7018	.00028	.00807	19.815	.00075
#2	.00001	.00556	.01295	1.9059	.00631	5.6785	.00031	.00820	19.669	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00269**	**-.00024**	**15.876**	**-.00184**	**.00125**	**2.5690**	**5.4977**	**.00001**	**.20135**	**.00046**
Stddev	.00072	.00062	.019	.00072	.00193	.0148	.0318	.00015	.00056	.00126
%RSD	26.850	254.02	.12215	39.375	154.88	.57764	.57764	2253.3	.27784	270.33
#1	-.00218	-.00068	15.862	-.00235	.00261	2.5795	5.5202	.00012	.20174	.00135
#2	-.00320	.00019	15.889	-.00133	-.00012	2.5585	5.4753	-.00010	.20095	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00010**	**.00177**	**.00057**	**.00774**	**.00221**
Stddev	.00018	.00056	.00766	.00023	.00029	.00009
%RSD	523.86	566.39	431.67	40.387	3.7156	3.8698
#1	.00009	-.00030	.00719	.00040	.00754	.00215
#2	-.00016	.00049	-.00364	.00073	.00795	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8556.4**	**116950.**	**6901.0**
Stddev	35.1	410.	65.3
%RSD	.41011	.35067	.94696
#1	8581.2	117240.	6854.8
#2	8531.6	116660.	6947.3

Sample Name: 280-48963-a-3-bSD@5 Acquired: 11/12/2013 7:09:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01590**	**.00192**	**.00180**	**.00665**	**-.00004**	**.00024**	**5.7304**	**-.00003**	**.00004**
Stddev	.00020	.00013	.00044	.00023	.00008	.00005	.00103	.0066	.00014	.00010
%RSD	33.789	.79469	22.712	12.569	1.1840	115.73	430.09	.11427	416.00	253.97
#1	.00075	.01581	.00161	.00164	.00671	-.00007	.00097	5.7258	-.00013	.00011
#2	.00046	.01599	.00223	.00196	.00660	-.00001	-.00049	5.7350	.00007	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00119**	**.01706**	**.41170**	**-.00009**	**1.2095**	**.00035**	**.00175**	**3.8739**	**.00064**
Stddev	.0000	.00013	.00011	.05228	.00439	.0018	.00000	.00025	.0366	.00044
%RSD	794.14	11.017	.62192	12.699	4950.4	.14924	.55274	14.331	.94525	68.097
#1	.00002	.00109	.01713	.44867	.00302	1.2108	.00035	.00193	3.8480	.00033
#2	-.00003	.00128	.01698	.37473	-.00319	1.2082	.00035	.00158	3.8998	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00361**	**-.00072**	**3.2698**	**-.00267**	**.00026**	**.53346**	**1.1416**	**.00349**	**.04264**	**-.00025**
Stddev	.00023	.00006	.0171	.00083	.00084	.01094	.0234	.00058	.00004	.00015
%RSD	6.2443	8.6095	.52350	31.232	329.84	2.0503	2.0503	16.708	.09129	60.723
#1	-.00345	-.00076	3.2819	-.00326	.00085	.54119	1.1582	.00308	.04267	-.00014
#2	-.00377	-.00067	3.2577	-.00208	-.00034	.52572	1.1251	.00390	.04262	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00092**	**.01076**	**-.00005**	**.00787**	**.00142**
Stddev	.00009	.00032	.01004	.00024	.00030	.00025
%RSD	30.857	34.878	93.352	488.25	3.7716	17.768
#1	-.00035	.00069	.00366	-.00022	.00808	.00160
#2	-.00023	.00115	.01785	.00012	.00766	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8691.5**	**117930.**	**6858.1**
Stddev	8.2	777.	29.8
%RSD	.09456	.65905	.43513
#1	8697.3	117380.	6879.2
#2	8685.7	118480.	6837.0

Sample Name: 280-48963-a-3-c ms Acquired: 11/12/2013 7:11:24 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05099**	**1.9586**	**.99839**	**1.0197**	**2.0516**	**.04774**	F **2.2661**	**72.994**	**.10532**	**.48091**
Stddev	.00017	.0008	.00441	.0006	.0035	.00006	.0043	.033	.00023	.00100
%RSD	.33372	.04160	.44218	.05445	.16867	.12144	.19079	.04495	.22138	.20819
#1	.05111	1.9591	1.0015	1.0201	2.0492	.04770	2.2691	73.017	.10548	.48162
#2	.05087	1.9580	.99527	1.0193	2.0541	.04778	2.2630	72.971	.10515	.48020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19998**	**.25987**	**.93396**	**53.861**	**1.0170**	**53.576**	**.47897**	**1.0170**	**73.569**	**.48724**
Stddev	.00052	.00088	.00394	.148	.0023	.100	.00003	.0006	.275	.00171
%RSD	.25869	.33721	.42197	.27456	.22898	.18749	.00688	.05403	.37356	.35088
#1	.20035	.25925	.93118	53.966	1.0187	53.647	.47899	1.0174	73.375	.48845
#2	.19962	.26049	.93675	53.757	1.0154	53.505	.47894	1.0166	73.763	.48603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.246**	**.48148**	**15.862**	**.48663**	**1.9808**	**11.973**	**25.622**	**1.9731**	**1.1962**	**.98309**
Stddev	.011	.00078	.049	.00016	.0031	.040	.086	.0070	.0006	.00110
%RSD	.10531	.16233	.31132	.03258	.15417	.33454	.33454	.35506	.04653	.11230
#1	10.254	.48092	15.897	.48652	1.9829	11.945	25.562	1.9780	1.1958	.98231
#2	10.239	.48203	15.827	.48674	1.9786	12.001	25.683	1.9681	1.1966	.98387
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97243**	**1.8924**	**2.1190**	**.49406**	**.48244**	**.50053**
Stddev	.00086	.0060	.0017	.00169	.00085	.00002
%RSD	.08832	.31476	.08232	.34250	.17683	.00493
#1	.97183	1.8966	2.1203	.49286	.48183	.50055
#2	.97304	1.8882	2.1178	.49525	.48304	.50051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8345.0**	**112570.**	**6924.9**
Stddev	7.9	290.	13.0
%RSD	.09441	.25739	.18805
#1	8339.4	112360.	6915.7
#2	8350.6	112770.	6934.1

Sample Name: 280-48963-a-3-d msd Acquired: 11/12/2013 7:13:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05026**	**1.9377**	**.98291**	**1.0033**	**2.0208**	**.04653**	F **2.2344**	**72.291**	**.10388**	**.47379**
Stddev	.00008	.0027	.00179	.0013	.0057	.00041	.0001	.100	.00006	.00175
%RSD	.16009	.13725	.18161	.13234	.28226	.87685	.00579	.13816	.05658	.36891
#1	.05020	1.9396	.98417	1.0024	2.0249	.04624	2.2345	72.361	.10392	.47502
#2	.05032	1.9358	.98165	1.0043	2.0168	.04682	2.2343	72.220	.10383	.47255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19731**	**.25722**	**.91512**	**53.080**	**.99710**	**53.332**	**.47417**	**1.0024**	**72.038**	**.48053**
Stddev	.00001	.00170	.00976	.091	.00249	.010	.00004	.0013	.121	.00118
%RSD	.00588	.66060	1.0670	.17085	.25022	.01917	.00739	.13027	.16813	.24491
#1	.19730	.25602	.90822	53.144	.99886	53.339	.47415	1.0033	71.952	.48136
#2	.19732	.25842	.92203	53.015	.99533	53.325	.47420	1.0015	72.123	.47970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.098**	**.47381**	**15.933**	**.48240**	**1.9522**	**11.729**	**25.101**	**1.9455**	**1.1793**	**.97284**
Stddev	.017	.00005	.004	.00159	.0131	.044	.094	.0025	.0032	.00270
%RSD	.16527	.01005	.02304	.32928	.67155	.37372	.37372	.12974	.27457	.27748
#1	10.109	.47377	15.936	.48352	1.9615	11.698	25.035	1.9473	1.1815	.97475
#2	10.086	.47384	15.930	.48127	1.9429	11.760	25.167	1.9437	1.1770	.97094
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96141**	**1.8706**	**2.1125**	**.48858**	**.47920**	**.48521**
Stddev	.00118	.0052	.0261	.00091	.00040	.00160
%RSD	.12288	.28015	1.2364	.18664	.08366	.33011
#1	.96225	1.8743	2.1310	.48922	.47892	.48408
#2	.96058	1.8669	2.0941	.48793	.47949	.48634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8327.9**	**112020.**	**6875.1**
Stddev	25.9	96.	43.3
%RSD	.31089	.08546	.63047
#1	8309.6	111950.	6844.5
#2	8346.2	112080.	6905.8

Sample Name: CCVH-2372891 Acquired: 11/12/2013 7:15:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00761**	**50.206**	**.00202**	**.00184**	**.00010**	**-.00008**	W **1.0967**	**.02565**	**.00001**	**-.00029**	**.00001**	**.01133**
Stddev	.00027	.117	.00070	.00052	.00009	.00001	.0007	.00138	.00021	.00002	.00000	.00028
%RSD	3.5574	.23352	34.469	28.239	93.162	8.4508	.06471	5.3856	2281.7	6.0968	59.439	2.5026
#1	.00742	50.289	.00152	.00221	.00003	-.00009	1.0962	.02663	.00016	-.00030	.00000	.01113
#2	.00781	50.123	.00251	.00147	.00016	-.00008	1.0972	.02468	-.00014	-.00028	.00001	.01153
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.816**	**.11642**	**-.00041**	**.08619**	**.00078**	**.00049**	**272.34**	**-.00001**	**-.00204**	**-.00011**	**5.2238**	**-.00071**
Stddev	.495	.04260	.00119	.00002	.00004	.00004	.09	.00017	.00107	.00071	.0157	.00126
%RSD	1.0140	36.589	291.18	.02025	4.5461	7.2061	.03123	1701.0	52.607	676.18	.29993	176.44
#1	48.466	.14654	.00043	.08618	.00081	.00046	272.40	.00011	-.00280	-.00061	5.2348	.00018
#2	49.166	.08630	-.00125	.08621	.00076	.00051	272.28	-.00013	-.00128	.00040	5.2127	-.00160
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00484**	**.01922**	**.04113**	**-.00007**	**.00038**	**5.0419**	**-.01302**	**.00199**	F **5.4472**	**.00107**	**.00249**	**.05899**
Stddev	.00087	.02780	.05949	.00072	.00002	.0291	.00008	.00164	.0171	.00054	.00036	.00361
%RSD	17.959	144.62	144.62	1081.9	6.1831	.57754	.65267	82.307	.31358	50.512	14.505	6.1166
#1	-.00422	-.00043	-.00093	.00044	.00037	5.0213	-.01296	.00083	5.4351	.00069	.00224	.05644
#2	-.00545	.03888	.08320	-.00058	.00040	5.0625	-.01308	.00315	5.4593	.00145	.00275	.06154
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8228.3**	**110620.**	**6695.2**
Stddev	37.8	325.	7.1
%RSD	.45902	.29387	.10562
#1	8255.0	110850.	6700.2
#2	8201.6	110390.	6690.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 7:18:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50582**	**.53502**	**1.0040**	**.50973**	**.51231**	**.48495**	**-.00500**	**4.9911**	**.50875**	**.50897**	**.51230**	**.51131**	**2.3801**
Stddev	.00180	.00002	.0040	.00064	.00200	.00096	.00325	.0148	.00021	.00019	.00011	.00086	.0314
%RSD	.35553	.00341	.39323	.12496	.39111	.19773	64.957	.29597	.04147	.03774	.02104	.16845	1.3206
#1	.50454	.53504	1.0068	.50928	.51372	.48563	-.00270	5.0016	.50890	.50910	.51222	.51070	2.4024
#2	.50709	.53501	1.0012	.51018	.51089	.48427	-.00729	4.9807	.50860	.50883	.51237	.51192	2.3579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.755**	**1.0215**	**20.041**	**.50008**	**.51668**	**5.3185**	**.51564**	**1.0143**	**1.0369**	**.02454**	**1.0241**	**1.0139**	**4.7896**
Stddev	.075	.0019	.029	.00077	.00312	.0138	.00029	.0045	.0051	.00036	.0105	.0089	.0352
%RSD	.14231	.19087	.14571	.15376	.60394	.25982	.05673	.44473	.49048	1.4819	1.0260	.87784	.73582
#1	52.809	1.0229	20.061	.50062	.51888	5.3283	.51543	1.0175	1.0405	.02428	1.0315	1.0202	4.8145
#2	52.702	1.0201	20.020	.49953	.51447	5.3087	.51584	1.0111	1.0333	.02480	1.0167	1.0076	4.7647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.250**	**1.0275**	**.50679**	**-.00427**	**.49670**	**1.0350**	**-.00695**	**.50347**	**.50867**	**.49589**
Stddev	.075	.0069	.00142	.00052	.00022	.0068	.00250	.00157	.00189	.00565
%RSD	.73582	.67071	.28079	12.281	.04485	.65358	36.030	.31210	.37150	1.1393
#1	10.303	1.0324	.50780	-.00464	.49654	1.0397	-.00872	.50458	.51001	.49988
#2	10.196	1.0226	.50578	-.00390	.49686	1.0302	-.00518	.50236	.50734	.49189
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.7**	**111920.**	**6460.8**
Stddev	5.1	92.	19.7
%RSD	.06137	.08194	.30431
#1	8332.1	111980.	6474.7
#2	8339.3	111850.	6446.9

Sample Name: CCB Acquired: 11/12/2013 7:20:09 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00468**	**.00026**	**.00092**	**.00009**	**.00002**	**.00073**	**-.00066**	**.00000**	**.00022**	**-.00001**	**-.00029**
Stddev	.00023	.00004	.00046	.00043	.00002	.00006	.00217	.00143	.00006	.00006	.00020	.00005
%RSD	78.753	.94361	175.07	47.344	26.245	258.11	296.93	216.33	1907.7	28.364	2855.1	15.866
#1	.00045	-.00465	-.00006	.00123	.00011	.00007	-.00080	.00035	.00005	.00026	-.00015	-.00032
#2	.00013	-.00472	.00059	.00061	.00008	-.00002	.00227	-.00168	-.00004	.00017	.00014	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00298**	**.05252**	**-.00083**	**.00177**	**.00001**	**.00022**	**.01060**	**.00028**	**-.00468**	**-.00098**	**.02858**	**.00313**
Stddev	.00148	.02900	.00179	.00175	.00002	.00001	.00175	.00009	.00185	.00010	.00139	.00148
%RSD	49.556	55.219	214.66	98.693	427.66	5.6048	16.486	30.690	39.530	9.7801	4.8764	47.196
#1	-.00194	.07303	-.00210	.00301	-.00001	.00021	.00936	.00034	-.00599	-.00104	.02759	.00208
#2	-.00403	.03202	.00043	.00054	.00002	.00023	.01183	.00022	-.00337	-.00091	.02956	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.01336**	**.02859**	**.00024**	**.00000**	**-.00005**	**-.00017**	**-.00005**	**.00671**	**.00038**	**.00268**	W **.00378**
Stddev	.00248	.00291	.00622	.00023	.00003	.00034	.00019	.00061	.02852	.00056	.00004	.00130
%RSD	346.19	21.750	21.750	92.838	712.11	652.73	115.00	1283.9	424.94	147.72	1.4998	34.498
#1	.00247	.01131	.02419	.00040	-.00002	-.00029	-.00030	-.00048	.02688	.00077	.00271	.00470
#2	-.00104	.01542	.03299	.00008	.00002	.00019	-.00003	.00038	-.01346	-.00002	.00265	.00286
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.5**	**112750.**	**6376.2**
Stddev	8.6	882.	34.4
%RSD	.10313	.78183	.53979
#1	8345.4	112130.	6400.5
#2	8357.6	113380.	6351.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 7:22:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	**.10831**	**.01515**	**.10010**	**.01051**	**.00098**	**.12799**	**.21204**	**.00514**	**.01067**	**.01041**	**.01616**	**.09737**	**3.2232**
Stddev	.00005	.00032	.00286	.00010	.00025	.00010	.00158	.00041	.00005	.00010	.00008	.00024	.00357	.0140
%RSD	.47437	.29577	18.870	.10053	2.3490	10.448	1.2317	.19218	.94895	.91793	.74097	1.5105	3.6632	.43287
#1	.01095	.10853	.01313	.10003	.01068	.00106	.12688	.21233	.00511	.01074	.01036	.01599	.09989	3.2330
#2	.01102	.10808	.01718	.10017	.01033	.00091	.12911	.21176	.00518	.01060	.01047	.01633	.09484	3.2133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01027**	**.21314**	**.01031**	**.02024**	**1.0800**	**.04282**	**2.9938**	**.00931**	**.02233**	**.00901**	**.01441**	**.46668**	**.99870**	**.10473**
Stddev	.00062	.00284	.00006	.00006	.0022	.00062	.0094	.00015	.00481	.00105	.00098	.01420	.03039	.00056
%RSD	6.0238	1.3321	.54816	.28656	.20327	1.4463	.31383	1.6195	21.552	11.686	6.8111	3.0425	3.0425	.53173
#1	.01071	.21515	.01027	.02020	1.0815	.04238	2.9871	.00942	.02573	.00976	.01510	.47672	1.0202	.10434
#2	.00983	.21113	.01035	.02028	1.0784	.04326	3.0004	.00921	.01892	.00827	.01371	.45664	.97721	.10513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01027**	**.01396**	**.00937**	**.01674**	**.07083**	**.00996**	**.02452**	**.01844**
Stddev	.00003	.00078	.00046	.00023	.03360	.00044	.00011	.00049
%RSD	.33954	5.5948	4.9312	1.3917	47.444	4.3933	.46293	2.6602
#1	.01029	.01341	.00970	.01657	.09459	.00965	.02444	.01809
#2	.01025	.01451	.00905	.01690	.04707	.01027	.02460	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8611.9**	**117140.**	**6577.7**
Stddev	24.2	113.	52.9
%RSD	.28076	.09619	.80352
#1	8594.8	117060.	6615.1
#2	8629.0	117220.	6540.3

Sample Name: lb 280-200079/1-b Acquired: 11/12/2013 7:24:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00061**	**.00172**	**.00959**	**.00403**	**-.00004**	**-.00136**	W **.19175**	**.00003**	**.00011**
Stddev	.00004	.00008	.00173	.00023	.00007	.00001	.00137	.00074	.00017	.00034
%RSD	7.5055	12.516	100.42	2.3797	1.6712	30.393	101.22	.38416	647.55	311.07
#1	.00049	-.00066	.00294	.00976	.00408	-.00003	-.00233	.19228	.00015	.00035
#2	.00045	-.00056	.00050	.00943	.00398	-.00005	-.00039	.19123	-.00009	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00314**	**.00220**	**.13274**	**-.00036**	**.01667**	**.00029**	**-.00006**	**336.80**	**.00064**
Stddev	.00009	.00001	.00167	.01671	.00062	.00115	.00010	.00001	.34	.00003
%RSD	99.306	.31193	75.934	12.592	173.87	6.9114	33.319	12.805	.09982	5.1471
#1	.00003	.00315	.00338	.12092	.00008	.01748	.00035	-.00005	336.56	.00066
#2	.00015	.00314	.00102	.14456	-.00079	.01585	.00022	-.00006	337.04	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**-.00004**	**.03408**	**-.00186**	**.00001**	**.02711**	**.05803**	**.00027**	**.00056**	**-.00208**
Stddev	.00175	.00029	.00132	.00022	.00133	.00424	.00907	.00021	.00001	.00029
%RSD	127.63	720.34	3.8857	11.924	9938.7	15.633	15.633	77.519	1.1513	13.761
#1	-.00013	.00017	.03502	-.00202	-.00093	.02412	.05161	.00012	.00055	-.00188
#2	-.00261	-.00025	.03315	-.00170	.00095	.03011	.06444	.00042	.00056	-.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00022**	**.02576**	**.00036**	**.00606**	**.00264**
Stddev	.00006	.00118	.01459	.00029	.00007	.00145
%RSD	278.76	535.08	56.649	82.699	1.1005	54.851
#1	-.00002	.00062	.01544	.00015	.00611	.00162
#2	.00007	-.00106	.03608	.00057	.00602	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8015.9**	**106050.**	**6554.0**
Stddev	61.1	7.	32.6
%RSD	.76241	.00705	.49677
#1	7972.7	106040.	6577.0
#2	8059.1	106060.	6530.9

Sample Name: lcs 280-200079/2-b Acquired: 11/12/2013 7:27:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22953	F .43425	.87596	F .22106	2.6218	.01013	.47644	10.404	.24167	.10573
Stddev	.00015	.00011	.00469	.00047	.0050	.00010	.00133	.003	.00030	.00054
%RSD	.06599	.02637	.53556	.21312	.19196	1.0344	.28007	.03260	.12353	.50746
#1	.22942	.43417	.87928	.22139	2.6253	.01005	.47549	10.407	.24146	.10611
#2	.22964	.43434	.87264	.22073	2.6182	.01020	.47738	10.402	.24188	.10535
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200		.22000						
Low Limit		.34400		.17800						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1233	.48825	F .23607	F 11.683	.21797	10.159	.10533	F .22250	F 345.26	.10764
Stddev	.0001	.00058	.00104	.020	.00132	.029	.00026	.00020	.12	.00043
%RSD	.00962	.11849	.43966	.17229	.60419	.28522	.25157	.09143	.03393	.39967
#1	1.1233	.48784	.23534	11.669	.21890	10.179	.10514	.22235	345.34	.10794
#2	1.1234	.48866	.23681	11.697	.21704	10.138	.10552	.22264	345.17	.10734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			.22800	11.000				.22000	11.200	
Low Limit			.17600	8.9000				.18000	9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.2448	F 1.1552	.03361	.10586	.65660	2.0637	F 4.4163	.42944	.21431	.21024
Stddev	.0008	.0019	.00217	.00185	.00170	.0229	.0491	.00028	.00115	.00148
%RSD	.03698	.16685	6.4505	1.7455	.25904	1.1112	1.1112	.06407	.53660	.70196
#1	2.2443	1.1565	.03208	.10716	.65540	2.0475	4.3816	.42924	.21513	.20919
#2	2.2454	1.1538	.03514	.10455	.65781	2.0799	4.4510	.42963	.21350	.21128
Check ?	Chk Fail	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2.2200	1.1550					4.9220			
Low Limit	1.8200	.99000					4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21210	.39672	F .48717	.10875	.55612	.10971
Stddev	.00004	.00241	.03378	.00006	.00201	.00005
%RSD	.02056	.60631	6.9330	.05521	.36166	.04556
#1	.21207	.39842	.46329	.10879	.55469	.10974
#2	.21214	.39502	.51105	.10871	.55754	.10967
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.46400			
Low Limit			.34000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8000.9	105320.	6532.2
Stddev	10.1	200.	9.6
%RSD	.12668	.18981	.14706
#1	7993.7	105180.	6539.0
#2	8008.0	105460.	6525.4

Sample Name: 280-48890-a-1-c Acquired: 11/12/2013 7:29:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.04798	.00030	.02059	.16767	.00002	.00196	82.487	.00512	.01082
Stddev	.00035	.00002	.00020	.00006	.00096	.00001	.00123	.442	.00018	.00012
%RSD	757.38	.03867	68.531	.28118	.57284	60.251	62.626	.53549	3.4379	1.1073
#1	.00029	.04796	.00044	.02055	.16699	.00003	.00283	82.175	.00500	.01090
#2	-.00020	.04799	.00015	.02063	.16835	.00001	.00109	82.799	.00525	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	.01990	.16390	1.4235	.00882	2.7010	.46386	.00016	296.56	.01034
Stddev	.00018	.00052	.00317	.0662	.00080	.0021	.00109	.00018	2.13	.00011
%RSD	37.354	2.6338	1.9317	4.6499	9.0395	.07812	.23403	109.82	.71754	1.0219
#1	.00061	.02027	.16166	1.3767	.00826	2.6995	.46309	.00029	295.06	.01042
#2	.00035	.01953	.16614	1.4703	.00939	2.7025	.46462	.00004	298.07	.01027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01941	-.00028	2.0808	-.00035	.00004	.92902	1.9881	.00048	.24644	-.00044
Stddev	.00027	.00068	.0040	.00102	.00286	.00329	.0070	.00002	.00093	.00016
%RSD	1.3800	245.76	.19258	291.02	7944.0	.35438	.35438	4.6498	.37714	37.162
#1	.01960	-.00076	2.0836	.00037	-.00199	.92670	1.9831	.00047	.24578	-.00032
#2	.01922	.00020	2.0779	-.00107	.00206	.93135	1.9931	.00050	.24709	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00040	.00038	-.01587	.00052	.33147	.00193
Stddev	.00008	.00125	.02908	.00036	.00012	.00060
%RSD	20.721	328.61	183.17	68.914	.03561	31.141
#1	-.00034	.00126	.00469	.00077	.33139	.00236
#2	-.00045	-.00050	-.03644	.00027	.33155	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8121.4	107560.	6689.8
Stddev	11.0	455.	27.9
%RSD	.13511	.42266	.41660
#1	8129.2	107880.	6670.1
#2	8113.6	107240.	6709.5

Sample Name: 280-48927-a-1-b Acquired: 11/12/2013 7:31:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.50254**	**.00203**	**.00596**	**.07143**	**.00002**	**-.00145**	**3.7937**	**.00005**	**.00036**
Stddev	.00003	.00054	.00044	.00035	.00021	.00003	.00147	.0086	.00016	.00011
%RSD	23.405	.10747	21.651	5.7939	.28788	154.17	101.21	.22590	291.19	30.425
#1	.00011	.50293	.00235	.00572	.07128	.00005	-.00041	3.7876	.00017	.00028
#2	.00015	.50216	.00172	.00621	.07157	.00000	-.00249	3.7997	-.00006	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00405**	**.26084**	**.92766**	**.00435**	**1.1532**	**.00372**	**-.00013**	**324.80**	**.00099**
Stddev	.00011	.00008	.00059	.07615	.00010	.0053	.00001	.00002	1.50	.00004
%RSD	26.584	2.0087	.22549	8.2091	2.3865	.45663	.28024	16.745	.46138	3.5990
#1	.00048	.00411	.26042	.87381	.00442	1.1570	.00373	-.00012	323.74	.00097
#2	.00033	.00400	.26125	.98151	.00428	1.1495	.00371	-.00015	325.86	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14390**	**-.00062**	**.05710**	**-.00010**	**.00205**	**1.4882**	**3.1847**	**.00032**	**.02313**	**-.00090**
Stddev	.00068	.00031	.00183	.00152	.00083	.0086	.0183	.00052	.00009	.00232
%RSD	.47454	49.614	3.2103	1600.1	40.677	.57550	.57550	160.64	.40678	258.52
#1	.14438	-.00083	.05839	-.00117	.00263	1.4942	3.1976	.00069	.02306	.00074
#2	.14342	-.00040	.05580	.00098	.00146	1.4821	3.1717	-.00004	.02320	-.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01251**	**-.00072**	**.02478**	**.00099**	**.01408**	**.00299**
Stddev	.00023	.00118	.00507	.00015	.00044	.00130
%RSD	1.8686	163.27	20.443	15.133	3.1267	43.325
#1	.01234	.00011	.02836	.00110	.01377	.00391
#2	.01267	-.00156	.02120	.00089	.01439	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.4**	**109380.**	**6812.9**
Stddev	2.2	133.	105.1
%RSD	.02718	.12137	1.5428
#1	8201.0	109470.	6887.3
#2	8197.9	109280.	6738.6

Sample Name: 280-48927-a-2-b Acquired: 11/12/2013 7:34:25 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**1.5842**	**.00243**	**.01033**	**.10090**	**.00002**	**.00051**	**5.4656**	**.00016**	**.00021**
Stddev	.00021	.0018	.00090	.00007	.00010	.00003	.00167	.0362	.00017	.00011
%RSD	60.386	.11545	36.868	.65009	.10112	179.21	324.06	.66246	107.75	52.300
#1	.00020	1.5855	.00180	.01028	.10097	.00004	-.00066	5.4400	.00027	.00029
#2	.00049	1.5829	.00306	.01037	.10082	.00000	.00169	5.4912	.00004	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00592**	**.92848**	**1.3544**	**.00162**	**.54754**	**.01603**	**.00002**	**296.21**	**.00164**
Stddev	.00004	.00016	.01256	.0556	.00279	.00166	.00010	.00013	1.30	.00046
%RSD	3.6453	2.6358	1.3528	4.1078	172.59	.30310	.62697	711.23	.44007	28.331
#1	.00125	.00581	.91959	1.3150	.00359	.54637	.01596	.00011	295.29	.00131
#2	.00118	.00603	.93736	1.3937	-.00036	.54871	.01610	-.00008	297.13	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08966**	**.00095**	**.13361**	**-.00119**	**-.00064**	**3.6125**	**7.7307**	**.00107**	**.04745**	**-.00122**
Stddev	.00041	.00063	.00130	.00092	.00144	.0333	.0713	.00126	.00007	.00345
%RSD	.46100	66.036	.97340	76.692	225.99	.92201	.92201	118.02	.14634	283.88
#1	.08995	.00051	.13453	-.00055	.00038	3.5889	7.6803	.00196	.04740	-.00366
#2	.08936	.00139	.13269	-.00184	-.00166	3.6360	7.7811	.00018	.04750	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04547**	**-.00030**	**.00874**	**.00296**	**.01211**	**.00541**
Stddev	.00067	.00135	.00740	.00016	.00036	.00088
%RSD	1.4656	442.80	84.643	5.4659	2.9841	16.360
#1	.04500	.00065	.00351	.00284	.01185	.00603
#2	.04594	-.00126	.01398	.00307	.01237	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8355.2**	**109890.**	**6778.5**
Stddev	36.3	243.	3.9
%RSD	.43451	.22108	.05796
#1	8329.5	110070.	6781.3
#2	8380.8	109720.	6775.8

Sample Name: 280-48820-b-1-c Acquired: 11/12/2013 7:36:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01157**	**.00320**	**.09958**	**.46729**	**.00002**	**-.00152**	**10.416**	**.00373**	**.00154**
Stddev	.00001	.00015	.00029	.00056	.00131	.00007	.00031	.012	.00023	.00023
%RSD	4.8492	1.3322	8.9801	.56176	.27942	413.65	20.530	.11488	6.1257	15.104
#1	.00029	.01146	.00341	.09918	.46822	.00007	-.00130	10.424	.00389	.00137
#2	.00031	.01168	.00300	.09997	.46637	-.00003	-.00174	10.407	.00357	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00239**	**3.7177**	**2.8674**	**.10440**	**1.2749**	**.06307**	**.00358**	**148.32**	**.00839**
Stddev	.00002	.00001	.0039	.0611	.00180	.0012	.00006	.00004	.67	.00000
%RSD	1.8702	.43942	.10519	2.1298	1.7198	.09430	.09652	1.1941	.45215	.04339
#1	.00090	.00238	3.7205	2.9106	.10313	1.2740	.06311	.00355	148.79	.00840
#2	.00092	.00240	3.7150	2.8242	.10567	1.2757	.06302	.00361	147.84	.00839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03240**	**.00131**	**.78815**	**.00260**	**.00087**	**1.5747**	**3.3698**	**.00213**	**.10176**	**-.00218**
Stddev	.00002	.00000	.00366	.00072	.00263	.0039	.0084	.00062	.00051	.00003
%RSD	.05954	.26501	.46383	27.538	303.48	.25026	.25026	29.000	.49827	1.4340
#1	.03241	.00131	.78556	.00209	-.00099	1.5774	3.3757	.00170	.10212	-.00216
#2	.03239	.00131	.79073	.00311	.00273	1.5719	3.3638	.00257	.10140	-.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00133**	**.00988**	**.00087**	**.21575**	**.00354**
Stddev	.00003	.00075	.01916	.00023	.00131	.00114
%RSD	16.023	56.495	193.92	26.498	.60818	32.312
#1	-.00020	.00186	-.00367	.00103	.21482	.00273
#2	-.00016	.00080	.02343	.00071	.21668	.00435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8385.4**	**113780.**	**6876.1**
Stddev	4.8	326.	12.9
%RSD	.05753	.28629	.18784
#1	8388.8	114010.	6867.0
#2	8381.9	113550.	6885.3

Sample Name: CCVH-2372891 Acquired: 11/12/2013 7:39:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**50.628**	**.00153**	**.00035**	**-.00008**	**-.00011**	W **1.1029**	**.01886**	**-.00008**	**-.00034**	**-.00004**	**.01154**
Stddev	.00003	.149	.00049	.00006	.00057	.00003	.0068	.00243	.00000	.00010	.00004	.00054
%RSD	.43711	.29447	32.057	16.117	700.73	24.433	.61760	12.893	4.8962	29.653	117.31	4.7194
#1	.00795	50.733	.00118	.00031	.00032	-.00013	1.0981	.02058	-.00008	-.00041	-.00001	.01115
#2	.00800	50.522	.00188	.00039	-.00048	-.00009	1.1077	.01714	-.00009	-.00027	-.00007	.01192
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.997**	**.07352**	**.00011**	**.08418**	**.00078**	**-.00023**	W **275.24**	**-.00026**	**-.00177**	**-.00029**	**5.2167**	**.00073**
Stddev	.108	.05373	.00131	.00057	.00003	.00002	.42	.00012	.00070	.00044	.0176	.00254
%RSD	.22041	73.082	1233.8	.68021	3.6935	8.4836	.15094	45.071	39.266	149.94	.33816	349.96
#1	48.921	.03553	-.00082	.08459	.00080	-.00024	275.53	-.00018	-.00128	-.00060	5.2042	.00253
#2	49.073	.11151	.00104	.08378	.00076	-.00021	274.95	-.00034	-.00227	.00002	5.2292	-.00107
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00201**	**.01354**	**.02898**	**.00026**	**.00016**	**5.0783**	**-.01359**	**-.00017**	F **5.4941**	**.00128**	**.00207**	**.05939**
Stddev	.00064	.00103	.00220	.00037	.00010	.0026	.00008	.00118	.0302	.00032	.00011	.00025
%RSD	31.646	7.5776	7.5776	142.73	60.110	.05043	.57041	688.14	.54907	24.624	5.2221	.41702
#1	-.00246	.01282	.02743	.00000	.00023	5.0801	-.01354	-.00101	5.4728	.00106	.00199	.05957
#2	-.00156	.01427	.03053	.00052	.00009	5.0764	-.01365	.00066	5.5154	.00151	.00214	.05922
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8371.4**	**110060.**	**6695.4**
Stddev	29.8	196.	24.9
%RSD	.35637	.17776	.37261
#1	8350.3	109920.	6713.1
#2	8392.5	110200.	6677.8

Sample Name: CCV-2372889 Acquired: 11/12/2013 7:41:33 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50690**	**.53950**	**1.0151**	**.51457**	**.51080**	**.48431**	**-.00318**	**4.9135**	**.51230**	**.50837**	**.51380**	**.51344**	**2.3344**
Stddev	.00108	.00587	.0037	.00017	.00148	.00167	.00152	.0122	.00049	.00019	.00076	.00101	.0013
%RSD	.21335	1.0883	.36751	.03251	.29008	.34522	47.738	.24783	.09487	.03782	.14876	.19602	.05679
#1	.50613	.54365	1.0125	.51469	.51185	.48549	-.00426	4.9049	.51195	.50851	.51326	.51272	2.3335
#2	.50766	.53535	1.0177	.51446	.50975	.48313	-.00211	4.9221	.51264	.50824	.51434	.51415	2.3353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.346**	**1.0184**	**19.779**	**.49533**	**.52165**	**5.3238**	**.51569**	**1.0313**	**1.0392**	**.01940**	**1.0369**	**1.0301**	**4.6946**
Stddev	.131	.0010	.053	.00154	.00072	.0223	.00034	.0027	.0021	.00018	.0037	.0052	.0145
%RSD	.25014	.09330	.26966	.31171	.13838	.41901	.06686	.26384	.20010	.94303	.35279	.50146	.30806
#1	52.438	1.0177	19.816	.49642	.52114	5.3396	.51544	1.0294	1.0377	.01927	1.0395	1.0264	4.6844
#2	52.253	1.0191	19.741	.49424	.52216	5.3081	.51593	1.0333	1.0407	.01953	1.0343	1.0337	4.7049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.047**	**1.0334**	**.50678**	**-.00453**	**.49384**	**1.0418**	**.03855**	**.50131**	**.49850**	**.48924**
Stddev	.031	.0016	.00031	.00113	.00006	.0012	.02072	.00099	.00079	.00235
%RSD	.30806	.15654	.06031	25.016	.01265	.11759	53.756	.19713	.15757	.48123
#1	10.025	1.0346	.50700	-.00373	.49389	1.0409	.05320	.50061	.49905	.49090
#2	10.068	1.0323	.50657	-.00533	.49380	1.0427	.02390	.50200	.49794	.48757
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8661.9**	**117900.**	**7014.6**
Stddev	11.5	368.	27.7
%RSD	.13280	.31198	.39441
#1	8670.0	117640.	7034.1
#2	8653.8	118160.	6995.0

Sample Name: CCB Acquired: 11/12/2013 7:43:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00406**	**.00073**	**-.00072**	**-.00049**	**.00001**	**.00347**	**.00421**	**.00019**	**.00021**	**-.00005**	**-.00040**
Stddev	.00013	.00011	.00020	.00010	.00011	.00006	.00320	.00182	.00008	.00003	.00004	.00001
%RSD	17.216	2.6478	27.065	14.044	21.744	932.48	92.018	43.286	44.196	15.825	74.282	1.8354
#1	.00086	-.00413	.00059	-.00079	-.00056	-.00003	.00121	.00292	.00013	.00023	-.00008	-.00039
#2	.00067	-.00398	.00087	-.00065	-.00041	.00005	.00573	.00550	.00025	.00018	-.00003	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.08829**	**-.00173**	**-.00278**	**.00006**	**.00011**	**.05335**	**.00048**	**-.00551**	**-.00114**	**.02152**	W **.00326**
Stddev	.00160	.00712	.00118	.00011	.00002	.00009	.01204	.00007	.00001	.00052	.00084	.00110
%RSD	212.35	8.0668	68.196	4.0700	31.461	85.907	22.565	15.358	.19864	45.873	3.9096	33.843
#1	.00189	.09333	-.00090	-.00270	.00008	.00018	.06186	.00043	-.00552	-.00077	.02212	.00404
#2	-.00038	.08325	-.00256	-.00286	.00005	.00004	.04484	.00053	-.00550	-.00151	.02093	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.01788**	**.03825**	**.00036**	**.00002**	**.00033**	**-.00026**	**-.00018**	**.01109**	**.00007**	**.00301**	F **.00575**
Stddev	.00067	.00386	.00826	.00014	.00005	.00127	.00009	.00028	.02444	.00009	.00019	.00048
%RSD	3039.7	21.587	21.587	39.144	232.19	385.40	34.543	156.79	220.34	131.35	6.3512	8.3810
#1	.00049	.02060	.04409	.00026	-.00001	-.00057	-.00033	.00002	.02837	.00013	.00314	.00610
#2	-.00045	.01515	.03241	.00046	.00006	.00123	-.00020	-.00037	-.00619	.00000	.00287	.00541
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00476
Low Limit												-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8792.6**	**120140.**	**6901.8**
Stddev	24.4	434.	16.9
%RSD	.27794	.36146	.24466
#1	8775.3	119840.	6889.9
#2	8809.8	120450.	6913.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 7:46:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10831**	**.01621**	**.10188**	**.00974**	**.00093**	F **.13273**	**.20815**	**.00531**	**.01083**	**.01040**	**.01559**	**.09494**
Stddev	.00062	.00027	.00092	.00035	.00048	.00005	.00187	.00156	.00026	.00001	.00010	.00043	.00136
%RSD	5.5803	.25343	5.6448	.34816	4.9204	5.6742	1.4062	.75091	4.8729	.11397	.93835	2.7607	1.4371
#1	.01149	.10812	.01686	.10213	.01008	.00097	.13405	.20705	.00549	.01082	.01046	.01529	.09591
#2	.01062	.10850	.01557	.10163	.00940	.00089	.13141	.20926	.00513	.01084	.01033	.01590	.09398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1935**	**.00949**	**.20916**	**.01014**	**.02050**	**1.0967**	**.04310**	**3.0281**	**.00938**	**.01588**	F **.00684**	**.01563**	**.47615**
Stddev	.0496	.00145	.00050	.00010	.00005	.0021	.00009	.0024	.00069	.00054	.00138	.00276	.00058
%RSD	1.5537	15.267	.23853	.94555	.25114	.19142	.20738	.08018	7.3131	3.4056	20.148	17.633	.12173
#1	3.2286	.00846	.20880	.01021	.02053	1.0952	.04316	3.0298	.00890	.01626	.00586	.01368	.47574
#2	3.1584	.01051	.20951	.01007	.02046	1.0982	.04304	3.0264	.00987	.01550	.00781	.01758	.47656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**.10503**	**.01036**	**.01363**	**.00941**	**.01622**	F **.12580**	**.01049**	**.02360**	F **.01956**
Stddev	.0012	.00026	.00017	.00021	.00023	.00038	.00173	.00007	.00016	.00284
%RSD	.12173	.25107	1.6551	1.5592	2.4723	2.3572	1.3774	.67015	.66611	14.518
#1	1.0181	.10484	.01024	.01378	.00957	.01595	.12703	.01054	.02349	.02157
#2	1.0198	.10521	.01048	.01348	.00924	.01649	.12458	.01044	.02371	.01755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9133.2**	**124600.**	**7364.2**
Stddev	1.6	361.	6.2
%RSD	.01736	.28984	.08480
#1	9132.1	124860.	7359.8
#2	9134.3	124340.	7368.6

Sample Name: 280-48927-a-3-b Acquired: 11/12/2013 7:48:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.62724**	**.00377**	**.01321**	**.07324**	**.00004**	**.00000**	**3.6010**	**.00023**	**.00014**
Stddev	.00027	.00080	.00195	.00057	.00027	.00009	.0019	.0119	.00015	.00003
%RSD	38.944	.12753	51.684	4.2932	.37521	229.78	88603.	.33107	66.687	18.589
#1	.00088	.62781	.00514	.01361	.07305	-.00002	-.00137	3.5926	.00033	.00012
#2	.00050	.62668	.00239	.01281	.07344	.00010	.00137	3.6095	.00012	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00443**	**.33531**	**.83494**	**.00250**	**.53263**	**.00720**	**.00008**	**322.03**	**.00102**
Stddev	.00005	.00010	.00176	.01823	.00141	.00017	.00002	.00014	.76	.00029
%RSD	13.069	2.2323	.52586	2.1834	56.610	.03127	.28107	166.20	.23671	28.814
#1	.00038	.00436	.33406	.82205	.00350	.53251	.00718	.00018	322.56	.00123
#2	.00031	.00450	.33656	.84783	.00150	.53275	.00721	-.00001	321.49	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13211**	**-.00022**	**.11187**	**-.00126**	**.00076**	**1.6416**	**3.5130**	**.00120**	**.03349**	**-.00112**
Stddev	.00086	.00046	.00340	.00134	.00018	.0022	.0046	.00047	.00012	.00002
%RSD	.65186	205.04	3.0363	106.55	23.591	.13158	.13158	39.081	.34576	1.8368
#1	.13150	.00010	.11427	-.00031	.00064	1.6400	3.5097	.00087	.03341	-.00114
#2	.13271	-.00055	.10947	-.00220	.00089	1.6431	3.5162	.00153	.03357	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01906**	**-.00024**	**-.00954**	**.00092**	**.00612**	**.00329**
Stddev	.00057	.00065	.00206	.00031	.00001	.00077
%RSD	3.0100	273.09	21.551	33.266	.13519	23.331
#1	.01947	-.00069	-.00808	.00071	.00613	.00384
#2	.01866	.00022	-.01099	.00114	.00611	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8551.9**	**115720.**	**7261.7**
Stddev	24.4	445.	129.7
%RSD	.28582	.38417	1.7860
#1	8569.2	115410.	7170.0
#2	8534.6	116040.	7353.4

Sample Name: 280-48927-a-3-bSD@5 Acquired: 11/12/2013 7:50:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.15228**	**.00166**	**.00254**	**.01564**	**-.00005**	**-.00095**	**.77795**	**.00017**	**.00020**
Stddev	.00054	.00034	.00095	.00052	.00036	.00012	.00043	.01065	.00012	.00005
%RSD	484.45	.22222	57.272	20.521	2.2829	274.99	45.410	1.3692	70.592	22.561
#1	-.00027	.15252	.00099	.00217	.01589	-.00013	-.00125	.78548	.00009	.00023
#2	.00050	.15204	.00234	.00291	.01539	.00004	-.00064	.77042	.00026	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00130**	**.08167**	**.15850**	**.00019**	**.12103**	**.00179**	**-.00012**	**69.255**	**.00067**
Stddev	.00002	.00004	.00036	.00143	.00146	.00133	.00004	.00003	.697	.00022
%RSD	16.648	3.1869	.44268	.90260	786.79	1.0973	2.4482	21.941	1.0062	32.035
#1	.00014	.00127	.08193	.15749	-.00085	.12197	.00176	-.00010	69.748	.00083
#2	.00011	.00133	.08142	.15951	.00122	.12009	.00182	-.00014	68.763	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02322**	**-.00054**	**.04348**	**-.00067**	**.00114**	**.37173**	**.79549**	**.00240**	**.00708**	**-.00138**
Stddev	.00054	.00079	.00314	.00001	.00167	.00370	.00792	.00010	.00001	.00035
%RSD	2.3193	145.66	7.2214	1.3567	146.92	.99500	.99500	4.1328	.12609	25.179
#1	.02284	.00002	.04570	-.00067	.00232	.37434	.80109	.00247	.00708	-.00113
#2	.02360	-.00109	.04126	-.00068	-.00004	.36911	.78990	.00233	.00707	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**.00059**	**.03475**	**.00027**	**.01504**	**.00487**
Stddev	.00008	.00049	.03945	.00013	.00033	.00158
%RSD	2.3039	82.375	113.52	47.145	2.2260	32.392
#1	.00350	.00094	.00686	.00018	.01481	.00599
#2	.00362	.00025	.06265	.00037	.01528	.00375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8358.0**	**113450.**	**6765.8**
Stddev	12.8	131.	33.6
%RSD	.15285	.11509	.49625
#1	8367.1	113540.	6742.1
#2	8349.0	113360.	6789.6

Sample Name: 280-48927-a-3-c ms Acquired: 11/12/2013 7:53:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21151	.98510	.79797	.20709	2.4637	.00926	F .43605	12.792	.22042	.09541
Stddev	.00004	.00230	.00016	.00003	.0047	.00003	.00082	.029	.00002	.00005
%RSD	.02092	.23336	.02013	.01532	.18952	.36891	.18774	.22546	.00991	.05331
#1	.21154	.98348	.79785	.20707	2.4604	.00923	.43663	12.771	.22044	.09538
#2	.21148	.98673	.79808	.20711	2.4670	.00928	.43547	12.812	.22041	.09545
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0202	.44928	.50330	11.328	.20268	9.8682	.10324	.20170	316.04	.09796
Stddev	.0003	.00079	.00526	.020	.00320	.0266	.00009	.00034	.16	.00033
%RSD	.03100	.17537	1.0452	.18090	1.5769	.26954	.08680	.16660	.05055	.33851
#1	1.0200	.44872	.50702	11.314	.20494	9.8870	.10330	.20146	315.92	.09773
#2	1.0204	.44984	.49958	11.343	.20042	9.8494	.10317	.20194	316.15	.09820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1624	1.0445	.10534	.09398	.59190	3.3841	7.2420	.39103	.22759	.19484
Stddev	.0062	.0002	.00128	.00088	.00294	.0153	.0328	.00084	.00010	.00266
%RSD	.28435	.02316	1.2143	.93663	.49717	.45275	.45275	.21418	.04500	1.3658
#1	2.1667	1.0443	.10625	.09461	.59398	3.3949	7.2652	.39162	.22752	.19672
#2	2.1581	1.0446	.10444	.09336	.58982	3.3733	7.2188	.39044	.22766	.19296
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20902	.36220	.42327	.10183	.50882	.10011
Stddev	.00047	.00133	.02739	.00034	.00132	.00053
%RSD	.22382	.36747	6.4722	.33584	.26020	.52893
#1	.20935	.36314	.40390	.10207	.50975	.09973
#2	.20869	.36126	.44264	.10159	.50788	.10048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8151.6	107730.	6582.9
Stddev	16.5	257.	22.9
%RSD	.20198	.23832	.34738
#1	8163.3	107540.	6599.0
#2	8140.0	107910.	6566.7

Sample Name: 280-48927-a-3-d msd Acquired: 11/12/2013 7:55:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20607	.98000	.77777	.20328	2.4016	.00918	F .42775	12.483	.21596	.09378
Stddev	.00126	.00147	.00597	.00031	.0028	.00000	.00135	.005	.00033	.00053
%RSD	.61385	.14974	.76742	.15135	.11665	.03523	.31620	.04197	.15078	.56331
#1	.20697	.97897	.78200	.20350	2.4035	.00918	.42871	12.487	.21573	.09415
#2	.20518	.98104	.77355	.20306	2.3996	.00918	.42679	12.480	.21619	.09340
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0028	.43897	.49036	11.108	.19729	9.6574	.10070	.19895	308.45	.09655
Stddev	.0010	.00078	.00140	.011	.00146	.0014	.00004	.00141	.10	.00002
%RSD	.09854	.17826	.28636	.09955	.73766	.01501	.03857	.70983	.03237	.02463
#1	1.0021	.43842	.49135	11.116	.19627	9.6564	.10072	.19995	308.38	.09654
#2	1.0035	.43952	.48937	11.100	.19832	9.6584	.10067	.19796	308.52	.09657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1301	1.0315	.10417	.09122	.58375	3.3618	7.1943	.38655	.22247	.18937
Stddev	.0024	.0021	.00106	.00129	.00150	.0094	.0202	.00105	.00047	.00064
%RSD	.11287	.19886	1.0161	1.4102	.25646	.28034	.28034	.27039	.21006	.33653
#1	2.1318	1.0330	.10342	.09213	.58269	3.3685	7.2086	.38581	.22280	.18892
#2	2.1284	1.0301	.10492	.09031	.58481	3.3552	7.1801	.38729	.22214	.18982
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20489	.35602	.40747	.09874	.49601	.09704
Stddev	.00051	.00011	.01655	.00031	.00086	.00034
%RSD	.25071	.03123	4.0629	.31060	.17258	.35351
#1	.20525	.35610	.41917	.09895	.49661	.09729
#2	.20453	.35594	.39576	.09852	.49540	.09680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8052.6	106970.	6484.3
Stddev	14.0	70.	25.1
%RSD	.17376	.06533	.38784
#1	8062.5	106920.	6466.5
#2	8042.7	107020.	6502.1

Sample Name: 280-48927-a-3-bPDS Acquired: 11/12/2013 7:57:49 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04837**	**1.6146**	**.20893**	**.11048**	**.17343**	**.04907**	**-.00267**	**22.861**	**.05219**	**.05001**
Stddev	.00063	.0027	.00216	.00057	.00066	.00005	.00014	.022	.00037	.00015
%RSD	1.2935	.16455	1.0320	.51812	.37968	.10676	5.2787	.09504	.71252	.30272
#1	.04882	1.6127	.21045	.11008	.17296	.04910	-.00257	22.845	.05193	.04990
#2	.04793	1.6165	.20740	.11088	.17389	.04903	-.00277	22.876	.05246	.05012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**.05659**	**1.2650**	**22.630**	**.10614**	**19.983**	**.05686**	**.05072**	**334.49**	**.05110**
Stddev	.00035	.00013	.0039	.004	.00163	.003	.00017	.00011	.81	.00007
%RSD	.66629	.22825	.30943	.01560	1.5350	.01625	.29777	.21191	.24336	.14533
#1	.05155	.05668	1.2678	22.633	.10729	19.985	.05674	.05064	333.92	.05105
#2	.05204	.05650	1.2622	22.628	.10499	19.981	.05698	.05079	335.07	.05115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2791**	**.09794**	**.10645**	**.09551**	**.20385**	**6.2657**	**13.409**	**.10066**	**.08458**	**.20330**
Stddev	.0044	.00099	.00153	.00200	.00061	.0200	.043	.00115	.00021	.00045
%RSD	.19477	1.0115	1.4340	2.0953	.29882	.31880	.31880	1.1459	.25361	.22188
#1	2.2759	.09864	.10537	.09410	.20429	6.2516	13.378	.09984	.08443	.20362
#2	2.2822	.09724	.10753	.09693	.20342	6.2798	13.439	.10147	.08473	.20298
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06813**	**.18606**	**.56677**	**.05228**	**.21582**	**.05458**
Stddev	.00033	.00154	.00591	.00028	.00033	.00040
%RSD	.48647	.82639	1.0435	.53260	.15282	.72487
#1	.06837	.18497	.56259	.05248	.21605	.05430
#2	.06790	.18715	.57095	.05208	.21558	.05486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.2**	**108400.**	**6688.0**
Stddev	31.1	99.	.3
%RSD	.38206	.09157	.00422
#1	8156.2	108330.	6687.8
#2	8112.2	108470.	6688.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 8:00:08 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00778**	**50.551**	**.00106**	**-.00050**	**-.00007**	**-.00013**	F **1.1052**	**.02256**	**-.00013**	**-.00033**	**.00000**	**.01125**
Stddev	.00034	.069	.00124	.00002	.00028	.00003	.0035	.00062	.00014	.00018	.0001	.00061
%RSD	4.4123	.13609	116.95	3.3730	376.24	23.689	.31571	2.7329	110.16	53.800	15620.	5.4159
#1	.00803	50.600	.00018	-.00051	-.00027	-.00011	1.1027	.02300	-.00022	-.00021	-.00008	.01168
#2	.00754	50.503	.00193	-.00049	.00012	-.00016	1.1076	.02213	-.00003	-.00046	.00008	.01082
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.587**	**.12420**	**-.00135**	**.08422**	**.00063**	**-.00017**	W **275.39**	**.00010**	**-.00289**	**.00047**	**5.2214**	**-.00252**
Stddev	.185	.01762	.00173	.00062	.00007	.00002	1.21	.00032	.00094	.00041	.0075	.00028
%RSD	.37288	14.187	128.05	.73734	11.431	11.048	.44043	331.19	32.627	88.406	.14421	11.060
#1	49.717	.13666	-.00258	.08378	.00068	-.00018	276.25	.00032	-.00355	.00076	5.2161	-.00272
#2	49.456	.11174	-.00013	.08465	.00058	-.00015	274.54	-.00013	-.00222	.00017	5.2267	-.00232
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00545**	**.00961**	**.02056**	**-.00069**	**.00016**	**5.0505**	**-.01340**	**.00151**	F **5.4681**	**.00139**	**.00204**	**.06283**
Stddev	.00467	.01494	.03197	.00021	.00010	.0109	.00060	.00154	.0008	.00008	.00007	.00142
%RSD	85.562	155.51	155.51	29.609	59.852	.21504	4.4557	101.63	.01531	5.6230	3.6114	2.2543
#1	-.00215	-.00096	-.00205	-.00084	.00009	5.0582	-.01382	.00260	5.4687	.00145	.00199	.06383
#2	-.00875	.02017	.04316	-.00055	.00023	5.0428	-.01298	.00043	5.4675	.00134	.00209	.06182
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8264.5**	**108930.**	**6451.5**
Stddev	15.8	385.	19.2
%RSD	.19152	.35304	.29727
#1	8253.3	109210.	6465.0
#2	8275.7	108660.	6437.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 8:02:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50984**	**.54103**	**1.0216**	**.51376**	**.51134**	**.48391**	**-.00612**	**5.0109**	**.51159**	**.50852**	**.51542**	**.51071**	**2.3811**
Stddev	.00038	.00093	.0018	.00289	.00050	.00021	.00182	.0048	.00243	.00169	.00189	.00079	.0033
%RSD	.07405	.17105	.17219	.56193	.09861	.04425	29.717	.09557	.47508	.33297	.36746	.15460	.13999
#1	.51011	.54038	1.0204	.51172	.51099	.48376	-.00741	5.0143	.50987	.50732	.51408	.51127	2.3835
#2	.50957	.54169	1.0229	.51581	.51170	.48407	-.00483	5.0076	.51330	.50972	.51676	.51015	2.3788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.842**	**1.0309**	**20.219**	**.49881**	**.51981**	**5.3821**	**.51628**	**1.0217**	**1.0366**	**.01275**	**1.0305**	**1.0242**	**4.7972**
Stddev	.168	.0005	.069	.00060	.00124	.0037	.00114	.0031	.0007	.00037	.0089	.0101	.0305
%RSD	.31860	.05043	.34067	.12083	.23923	.06883	.22035	.30100	.06513	2.8686	.86453	.98253	.63649
#1	52.723	1.0313	20.267	.49924	.51893	5.3795	.51547	1.0195	1.0362	.01249	1.0242	1.0171	4.7756
#2	52.961	1.0305	20.170	.49839	.52069	5.3847	.51708	1.0238	1.0371	.01301	1.0368	1.0313	4.8188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.266**	**1.0450**	**.50847**	**-.00441**	**.49315**	**1.0396**	**.01337**	**.50197**	**.50759**	**.49500**
Stddev	.065	.0056	.00010	.00003	.00120	.0043	.02726	.00130	.00087	.00019
%RSD	.63649	.53098	.01994	.68542	.24376	.41334	203.91	.25873	.17099	.03871
#1	10.220	1.0411	.50855	-.00439	.49400	1.0365	.03265	.50289	.50821	.49487
#2	10.312	1.0490	.50840	-.00443	.49230	1.0426	-.00591	.50105	.50698	.49514
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8426.7**	**113690.**	**6629.1**
Stddev	43.6	174.	13.7
%RSD	.51689	.15275	.20602
#1	8457.5	113560.	6638.8
#2	8395.9	113810.	6619.5

Sample Name: CCB Acquired: 11/12/2013 8:04:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**-.00393**	**.00095**	**.00003**	**-.00023**	**.00010**	**-.00057**	**.00386**	**.00006**	**.00014**	**-.00008**	**.00016**
Stddev	.00013	.00006	.00044	.00056	.00009	.00008	.00092	.00202	.00010	.00014	.00005	.00015
%RSD	15.581	1.5033	46.676	1673.1	37.911	78.436	162.18	52.245	159.77	103.46	62.772	94.822
#1	.00077	-.00389	.00064	.00043	-.00029	.00015	-.00121	.00243	.00014	.00004	-.00004	.00005
#2	.00096	-.00397	.00126	-.00036	-.00016	.00004	.00008	.00528	-.00001	.00024	-.00011	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.02306**	**-.00150**	**.00130**	**.00005**	**.00008**	**.07834**	**.00050**	**-.00501**	**-.00021**	**.01396**	W **.00328**
Stddev	.00097	.00170	.00174	.00036	.00002	.00002	.00113	.00007	.00061	.00054	.00070	.00264
%RSD	187.60	7.3706	116.20	27.957	32.385	19.213	1.4448	13.131	12.226	252.94	4.9938	80.523
#1	.00017	.02426	-.00027	.00156	.00006	.00009	.07914	.00055	-.00544	-.00059	.01347	.00141
#2	-.00121	.02186	-.00273	.00104	.00004	.00007	.07754	.00045	-.00458	.00017	.01445	.00515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01443**	**.03088**	**.00046**	**.00019**	**.00006**	**-.00055**	**-.00035**	**-.02632**	**.00016**	**.00302**	**.00206**
Stddev	.00266	.00300	.00642	.00010	.00010	.00024	.00025	.00029	.02699	.00030	.00023	.00129
%RSD	941.95	20.804	20.804	22.963	53.526	396.92	45.214	82.996	102.54	191.75	7.5563	62.501
#1	.00216	.01231	.02634	.00038	.00026	.00023	-.00037	-.00014	-.04541	-.00006	.00318	.00298
#2	-.00160	.01655	.03542	.00053	.00012	-.00011	-.00073	-.00056	-.00724	.00037	.00286	.00115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8439.5**	**114850.**	**6485.2**
Stddev	29.2	261.	51.4
%RSD	.34626	.22697	.79251
#1	8460.2	114670.	6448.8
#2	8418.9	115030.	6521.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 8:06:57 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01127**	**.10971**	**.01632**	**.10081**	**.00999**	**.00098**	**.12950**	**.21093**	**.00528**	**.01080**	**.01040**	**.01605**	**.09779**
Stddev	.00007	.00119	.00073	.00044	.00005	.00009	.00028	.00046	.00003	.00003	.00002	.00030	.00102
%RSD	.66333	1.0851	4.4426	.43463	.53412	9.3925	.21886	.21972	.59276	.27211	.17433	1.8399	1.0445
#1	.01122	.11055	.01683	.10112	.00995	.00092	.12930	.21060	.00526	.01077	.01039	.01584	.09707
#2	.01133	.10887	.01581	.10050	.01003	.00105	.12970	.21126	.00531	.01082	.01042	.01626	.09851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2310**	**.00789**	**.21119**	**.01028**	**.02053**	**1.1190**	**.04307**	**3.0165**	**.00983**	**.01088**	**.00965**	**.01280**	**.48609**
Stddev	.0063	.00128	.00323	.00009	.00006	.0019	.00015	.0030	.00050	.00252	.00248	.00172	.00209
%RSD	.19627	16.245	1.5295	.90365	.26893	.16873	.34888	.09824	5.1182	23.139	25.731	13.433	.42902
#1	3.2354	.00880	.21348	.01034	.02057	1.1177	.04296	3.0186	.00948	.01266	.01141	.01159	.48757
#2	3.2265	.00698	.20891	.01021	.02049	1.1204	.04317	3.0144	.01019	.00910	.00790	.01402	.48462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0402**	**.10666**	**.01018**	**.01348**	**.00932**	**.01676**	F **.08587**	**.01016**	**.02443**	**.01876**
Stddev	.0045	.00005	.00002	.00023	.00005	.00049	.00843	.00019	.00028	.00058
%RSD	.42902	.04826	.17095	1.7132	.50825	2.9409	9.8136	1.8492	1.1539	3.0953
#1	1.0434	.10669	.01017	.01365	.00928	.01641	.07991	.01030	.02423	.01835
#2	1.0371	.10662	.01019	.01332	.00935	.01711	.09183	.01003	.02463	.01917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8707.3**	**118830.**	**6701.4**
Stddev	38.9	447.	4.8
%RSD	.44627	.37611	.07123
#1	8734.8	118510.	6704.8
#2	8679.8	119140.	6698.0

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THE LEADER IN ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 200-[illegible]-200-[illegible], 200-[illegible], 200-[illegible]		Earliest due date: 11/13/13	
Run Date: 11/11/13	Analyst: JKH	Instrument: 25	
QC programs/Methods Run: 200.7 6010C 6010C			

Review Items	Yes	No	NA	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL ((CLP)) or < 2.2x MDL 200.7?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required ((CLP, DOD & AFCEE only))? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B: CLP = 90 - 110%; 200.7: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			—
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			—
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			—
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or ≤RL std work or ≤MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			—
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			—
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?))	✓			✓
4. All client/project specific requirements met?	✓			—
5. Date/time of analysis verified as correct?	✓			—
6. PDF attached, verified uncorrupted?	✓			—

Analyst: JKH Date: 11/12/13

Comments:

2nd Level Reviewer: [signature] Date: 11/13/13

Comments:

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ICP Data Review Checklist

TALS BATCH NUMBER: 201175 - 201181		Earliest due date: 11/15/13
Run Date: 11/4/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 Cations Anions		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL ((CLP)) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/15/13

Comments:

2nd Level Reviewer: Date: 11/20/13

Comments:

Sample Name: ICIS Acquired: 11/14/2013 14:26:29 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00215**	**.00064**	**-.01081**	**-.00006**	**.00095**	**.01135**	**.00194**	**-.00141**	**.00404**	**-.00038**	**.00002**	**-.00019**	**.00214**
Stddev	.00005	.00002	.00064	.00008	.00001	.00084	.00015	.00001	.00039	.00013	.00014	.00005	.00009
%RSD	2.3935	2.4523	5.8957	122.38	1.0213	7.4249	7.9890	.41151	9.6041	33.666	736.21	24.670	4.3656
#1	-.00211	.00065	-.01036	-.00012	.00094	.01075	.00205	-.00141	.00431	-.00029	.00012	-.00022	.00221
#2	-.00219	.00063	-.01126	-.00001	.00095	.01194	.00183	-.00141	.00376	-.00047	-.00008	-.00016	.00208

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00086**	**-.00036**	**-.00032**	**-.00468**	**-.00005**	**.00012**	**.00036**	**-.00650**	**-.01249**	**-.00093**	**.00004**	**.00055**	**-.00005**
Stddev	.00017	.00029	.00091	.00146	.00004	.00005	.00012	.00042	.00041	.00024	.00010	.00003	.00007
%RSD	19.999	78.992	281.52	31.131	81.619	45.680	32.940	6.4481	3.3010	26.024	258.09	5.2036	135.51
#1	.00098	-.00016	.00032	-.00571	-.00007	.00015	.00045	-.00679	-.01220	-.00110	-.00003	.00053	.00000
#2	.00074	-.00056	-.00097	-.00365	-.00002	.00008	.00028	-.00620	-.01278	-.00076	.00011	.00057	-.00010

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00057**	**.00026**	**.00056**	**.00056**	**.00030**	**-.00187**	**-.00046**	**-.00011**	**-.00036**	**-.00023**	**.00037**	**.00001**	**-.00190**
Stddev	.00010	.00005	.00032	.00032	.00006	.00037	.00012	.00000	.00006	.00020	.00010	.00000	.00070
%RSD	16.990	17.495	57.756	57.756	20.635	19.854	25.176	2.3932	15.388	85.153	27.467	12.679	36.894
#1	.00064	.00023	.00033	.00033	.00025	-.00214	-.00055	-.00011	-.00032	-.00037	.00030	.00001	-.00141
#2	.00051	.00029	.00078	.00078	.00034	-.00161	-.00038	-.00011	-.00040	-.00009	.00045	.00000	-.00240

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7051.5**	**82279.**	**6615.7**
Stddev	18.6	640.	49.5
%RSD	.26381	.77822	.74780
#1	7064.7	81827.	6650.7
#2	7038.4	82732.	6580.7

Sample Name: ICAL1 Acquired: 11/14/2013 14:28:50 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22598**	**.23487**	**.10455**	**.27323**	**5.1924**	**6.6808**	**1.7648**	**1.4108**	**.91144**	**.99104**	**.32701**	**.66229**	**4.7065**	**2.1121**
Stddev	.00014	.00015	.00010	.00022	.0010	.0019	.0020	.0002	.00090	.00142	.00110	.00156	.0023	.0023
%RSD	.06050	.06581	.09506	.07933	.01949	.02837	.11321	.01460	.09859	.14339	.33563	.23502	.04980	.10916
#1	.22589	.23498	.10462	.27339	5.1932	6.6794	1.7662	1.4106	.91207	.99204	.32624	.66339	4.7048	2.1138
#2	.22608	.23476	.10448	.27308	5.1917	6.6821	1.7634	1.4109	.91080	.99003	.32779	.66118	4.7082	2.1105

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.1437**	**1.3587**	**.58541**	**1.6528**	**.64901**	**.12278**	**.43638**	**.19165**	**.09691**	**.32718**	**.32718**	**.27413**	**8.9744**	**.33651**
Stddev	.0010	.0038	.00024	.0023	.00153	.00046	.00044	.00088	.00002	.00156	.00156	.00048	.0036	.00003
%RSD	.09182	.27710	.04134	.14066	.23562	.37189	.10167	.45842	.02267	.47727	.47727	.17642	.03994	.00946
#1	1.1445	1.3614	.58524	1.6545	.65009	.12310	.43670	.19228	.09690	.32607	.32607	.27447	8.9718	.33654
#2	1.1430	1.3561	.58559	1.6512	.64793	.12245	.43607	.19103	.09693	.32828	.32828	.27379	8.9769	.33649

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22707**	**.19962**	**.03615**	**.32907**
Stddev	.00040	.00086	.00002	.00013
%RSD	.17605	.43014	.04694	.04055
#1	.22735	.19902	.03616	.32916
#2	.22679	.20023	.03614	.32897

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.0**	**81256.**	**6539.4**
Stddev	7.8	52.	29.7
%RSD	.11103	.06458	.45386
#1	7027.5	81293.	6560.4
#2	7038.5	81219.	6518.4

Sample Name: ICAL2 Acquired: 11/14/2013 14:31:01 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.6344**	**.21818**	**.70586**	**2.8951**	**.37365**	**.52867**	**.08053**
Stddev	.0017	.00050	.00309	.0042	.00049	.00283	.00075
%RSD	.04719	.23042	.43840	.14433	.13173	.53589	.93107
#1	3.6332	.21783	.70367	2.8922	.37331	.52666	.08000
#2	3.6357	.21854	.70805	2.8981	.37400	.53067	.08106

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.2**	**78101.**	**6632.0**
Stddev	6.8	125.	6.7
%RSD	.09919	.16048	.10167
#1	6832.4	78189.	6627.2
#2	6842.0	78012.	6636.8

Sample Name: S1-2372886 Acquired: 11/14/2013 14:33:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0053**	**1.0032**	**1.9947**	**.99908**	**.99212**	**.99080**	**-.03164**	**9.8767**	**.98994**	**.99626**	**1.0011**	**.99803**	**4.9875**
Stddev	.0033	.0029	.0013	.00192	.00758	.00659	.00153	.0629	.00094	.00008	.0002	.00133	.0031
%RSD	.33140	.28719	.06333	.19203	.76390	.66489	4.8264	.63679	.09490	.00846	.02390	.13302	.06300
#1	1.0077	1.0053	1.9956	.99772	.98676	.98614	-.03272	9.8323	.98927	.99632	1.0013	.99897	4.9852
#2	1.0029	1.0012	1.9938	1.0004	.99748	.99546	-.03056	9.9212	.99060	.99620	1.0010	.99709	4.9897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**98.802**	**1.9704**	**39.869**	**.99315**	**.99802**	**10.164**	**10.450**	**1.0014**	**1.9929**	**1.9805**	**-.00480**	**1.9955**	**2.0033**
Stddev	.744	.0140	.051	.00254	.00001	.153	.116	.0003	.0126	.0005	.00021	.0097	.0096
%RSD	.75297	.70992	.12699	.25591	.00116	1.5100	1.1104	.03416	.62951	.02676	4.3120	.48443	.48087
#1	98.276	1.9605	39.905	.99494	.99802	10.056	10.532	1.0017	2.0017	1.9801	-.00465	2.0023	2.0101
#2	99.328	1.9803	39.833	.99135	.99803	10.273	10.368	1.0012	1.9840	1.9808	-.00494	1.9887	1.9965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9678**	**21.331**	**1.9944**	**.99141**	**.00057**	**.99718**	**1.9790**	**-.00128**	**.98921**	**.99791**	**1.0008**
Stddev	.1209	.259	.0085	.00776	.00229	.00057	.0053	.05074	.00099	.00096	.0093
%RSD	1.2129	1.2129	.42606	.78302	401.83	.05700	.26685	3978.9	.10003	.09579	.93254
#1	9.8823	21.148	2.0004	.98592	.00219	.99758	1.9827	-.03716	.98991	.99859	.99422
#2	10.053	21.514	1.9884	.99689	-.00105	.99678	1.9752	.03460	.98851	.99724	1.0074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.6**	**81124.**	**6709.1**
Stddev	13.3	487.	42.5
%RSD	.19140	.59996	.63334
#1	6979.1	81468.	6739.1
#2	6960.2	80780.	6679.0

Sample Name: S2-2372887 Acquired: 11/14/2013 14:35:35 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00508**	**100.49**	**.00060**	**.00653**	**.00127**	**.00023**	**1.9744**	**.03636**	**.00157**	**-.00166**	**.00068**	**-.00675**
Stddev	.00034	.38	.00207	.00047	.00015	.00006	.0100	.00471	.00028	.00016	.00004	.00082
%RSD	6.7432	.37534	345.38	7.1330	11.807	23.626	.50377	12.947	18.019	9.5867	5.6575	12.076
#1	-.00533	100.22	-.00086	.00686	.00137	.00027	1.9815	.03968	.00176	-.00154	.00070	-.00618
#2	-.00484	100.76	.00206	.00620	.00116	.00020	1.9674	.03303	.00137	-.00177	.00065	-.00733
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.01**	**.28673**	**.00553**	**.15680**	**-.00013**	**.00239**	**503.73**	**-.00183**	**.00904**	**-.00261**	**9.9601**	**.02208**
Stddev	.63	.03813	.00116	.00298	.00007	.00033	1.61	.00002	.00029	.00059	.0290	.00052
%RSD	.61929	13.298	21.006	1.9018	57.390	13.618	.32040	1.1336	3.2232	22.462	.29088	2.3624
#1	100.57	.31370	.00635	.15469	-.00008	.00262	502.59	-.00182	.00884	-.00303	9.9806	.02245
#2	101.45	.25977	.00471	.15891	-.00018	.00216	504.87	-.00185	.00925	-.00220	9.9396	.02171
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01297**	**.03740**	**.08004**	**.00056**	**.00066**	**9.9190**	**.01681**	**.00414**	**19.983**	**.00138**	**.00085**	**-.09944**
Stddev	.00209	.02177	.04659	.00019	.00012	.0134	.00007	.00053	.027	.00043	.00063	.00296
%RSD	16.118	58.208	58.208	32.919	17.743	.13526	.40578	12.805	.13640	31.136	74.028	2.9773
#1	-.01445	.05279	.11298	.00043	.00075	9.9095	.01686	.00377	19.964	.00107	.00130	-.09735
#2	-.01149	.02201	.04709	.00069	.00058	9.9285	.01676	.00452	20.002	.00168	.00041	-.10154
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.5**	**77279.**	**6552.5**
Stddev	29.8	388.	29.0
%RSD	.43811	.50259	.44244
#1	6780.4	77004.	6532.0
#2	6822.6	77554.	6573.0

Sample Name: ICVH-2380596 Acquired: 11/14/2013 14:37:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00298**	**39.406**	**-.00098**	**.00074**	**.00268**	**.00007**	W **.52912**	**.01094**	**.00078**	**.00056**	**.00084**	**-.00201**
Stddev	.00062	.241	.00322	.00004	.00034	.00007	.00065	.00069	.00003	.00008	.00004	.00043
%RSD	20.786	.61260	328.65	5.9487	12.550	89.994	.12300	6.2975	3.3703	13.849	4.2852	21.222
#1	-.00342	39.235	.00130	.00077	.00244	.00012	.52958	.01143	.00076	.00062	.00087	-.00170
#2	-.00254	39.577	-.00325	.00071	.00292	.00003	.52866	.01045	.00080	.00051	.00082	-.00231
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.092**	**.14511**	**-.00019**	**.04938**	**.00000**	**.00034**	**41.308**	**-.00045**	**.00163**	**-.00054**	**3.9345**	**.00405**
Stddev	.665	.00929	.00081	.00063	.0000	.00023	.416	.00040	.00103	.00215	.0136	.00040
%RSD	.82996	6.3988	439.48	1.2696	7972.0	65.839	1.0079	87.425	63.076	396.72	.34624	9.8270
#1	79.622	.15167	-.00076	.04894	.00003	.00018	41.014	-.00017	.00236	.00098	3.9249	.00377
#2	80.562	.13854	.00039	.04983	-.00003	.00050	41.602	-.00074	.00090	-.00207	3.9441	.00434
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00601**	**-.00917**	**-.01963**	**.00061**	**.00007**	**2.9192**	**.00560**	**.00149**	F **7.7736**	**-.00097**	**.00231**	**-.02873**
Stddev	.00054	.02156	.04614	.00003	.00001	.0002	.00042	.00089	.0192	.00046	.00033	.00310
%RSD	8.9208	235.02	235.02	4.8388	8.9756	.00826	7.5069	59.668	.24655	47.347	14.316	10.790
#1	-.00639	.00607	.01299	.00059	.00007	2.9194	.00530	.00212	7.7872	-.00129	.00208	-.02654
#2	-.00563	-.02442	-.05226	.00063	.00008	2.9191	.00589	.00086	7.7601	-.00064	.00254	-.03092
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									5.0000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7114.7**	**81308.**	**6661.8**
Stddev	4.2	204.	14.1
%RSD	.05953	.25093	.21155
#1	7111.7	81163.	6671.7
#2	7117.7	81452.	6651.8

Sample Name: ICV-2364198 Acquired: 11/14/2013 14:40:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25422**	**.25777**	**.24942**	**.25473**	**.24783**	**.23944**	**-.00237**	**1.9941**	**.24859**	**.24892**	**.25102**	**.24662**	**.26123**
Stddev	.00308	.00095	.00202	.00033	.00063	.00147	.00304	.0183	.00157	.00092	.00062	.00355	.00077
%RSD	1.2109	.36879	.80871	.13014	.25481	.61394	128.63	.91955	.63219	.37019	.24657	1.4379	.29596
#1	.25640	.25710	.25085	.25449	.24738	.23840	-.00452	1.9812	.24748	.24827	.25059	.24913	.26177
#2	.25205	.25845	.24799	.25496	.24828	.24048	-.00021	2.0071	.24970	.24958	.25146	.24412	.26068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.658**	**.24794**	**10.005**	**.24985**	**.24609**	**2.0448**	**.25418**	**1.9600**	**.24807**	**.00309**	**.24599**	**.51071**	**2.0181**
Stddev	.031	.00046	.113	.00318	.00029	.0115	.00121	.0050	.00244	.00103	.00270	.00097	.0269
%RSD	.15838	.18487	1.1286	1.2732	.11985	.56123	.47721	.25322	.98270	33.238	1.0994	.19025	1.3328
#1	19.636	.24826	10.084	.25210	.24630	2.0529	.25332	1.9565	.24635	.00236	.24408	.51140	1.9991
#2	19.680	.24762	9.9247	.24760	.24588	2.0367	.25504	1.9635	.24980	.00382	.24791	.51002	2.0371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3188**	**.49772**	**.24556**	**.00016**	**.24622**	**.50760**	**.01051**	**.24366**	**.25484**	**.24482**
Stddev	.0576	.00092	.00073	.00054	.00358	.00054	.02626	.00321	.00224	.00254
%RSD	1.3328	.18513	.29589	336.45	1.4547	.10597	249.75	1.3157	.87703	1.0395
#1	4.2781	.49706	.24504	.00055	.24875	.50798	.02908	.24593	.25642	.24302
#2	4.3595	.49837	.24607	-.00022	.24368	.50722	-.00805	.24140	.25326	.24662
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7182.3**	**81762.**	**6604.9**
Stddev	16.2	1336.	41.6
%RSD	.22510	1.6334	.62984
#1	7193.7	80817.	6575.5
#2	7170.9	82706.	6634.3

Sample Name: X Acquired: 11/14/2013 14:42:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00954**	**.10795**	**.01591**	**.09893**	**.01002**	**.00100**	**.11283**	**.21928**	**.00507**	**.01059**	**.01066**	**.01536**	**.10177**
Stddev	.00060	.00200	.00035	.00023	.00009	.00005	.00010	.00195	.00020	.00010	.00006	.00036	.00172
%RSD	6.2866	1.8552	2.2244	.23739	.94544	5.1321	.08717	.88755	3.9870	.98626	.55258	2.3264	1.6856
#1	.00997	.10936	.01616	.09910	.00995	.00096	.11276	.22066	.00521	.01051	.01070	.01511	.10056
#2	.00912	.10653	.01566	.09877	.01008	.00103	.11290	.21791	.00493	.01066	.01062	.01562	.10298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0596**	**.01176**	**.20896**	**.01034**	**.01995**	**1.1018**	**.04204**	**2.8620**	**.01012**	**.00254**	F **.01423**	**.01349**	**.50408**
Stddev	.0179	.00141	.00170	.00006	.00029	.0095	.00053	.0041	.00044	.00369	.00262	.00205	.00460
%RSD	.58518	12.029	.81140	.60125	1.4394	.85942	1.2675	.14180	4.3410	145.59	18.397	15.215	.91296
#1	3.0722	.01076	.20776	.01030	.01975	1.1085	.04166	2.8591	.00981	-.00007	.01238	.01495	.50083
#2	3.0469	.01276	.21016	.01038	.02015	1.0951	.04241	2.8648	.01043	.00515	.01608	.01204	.50733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0787**	**.10223**	**.01013**	**.01462**	**.01012**	**.01708**	**.07800**	**.01002**	**.02400**	**.01518**
Stddev	.0098	.00070	.00010	.00153	.00023	.00031	.03027	.00013	.00044	.00044
%RSD	.91296	.68885	1.0007	10.469	2.2431	1.8356	38.813	1.2903	1.8300	2.8950
#1	1.0718	.10273	.01020	.01570	.01028	.01686	.05659	.01011	.02369	.01549
#2	1.0857	.10173	.01006	.01354	.00996	.01730	.09940	.00993	.02431	.01487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7050.8**	**81695.**	**6571.8**
Stddev	13.2	46.	24.4
%RSD	.18685	.05678	.37139
#1	7041.4	81728.	6554.6
#2	7060.1	81663.	6589.1

Sample Name: ICVL2379751 Acquired: 11/14/2013 15:04:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.10529**	**.01448**	**.09941**	**.01049**	**.00089**	**.11144**	**.21135**	**.00496**	**.01014**	**.01025**	**.01510**	**.09989**
Stddev	.00012	.00057	.00088	.00042	.00017	.00005	.00192	.00057	.00013	.00008	.00028	.00059	.00221
%RSD	1.1756	.54340	6.0943	.42188	1.6274	5.5955	1.7264	.26812	2.6767	.81147	2.7294	3.8795	2.2092
#1	.01030	.10488	.01510	.09971	.01037	.00092	.11280	.21176	.00506	.01019	.01045	.01552	.10145
#2	.01013	.10569	.01385	.09912	.01061	.00085	.11008	.21095	.00487	.01008	.01005	.01469	.09833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9805**	**.01025**	**.20559**	**.01021**	**.02032**	**.99075**	**.04138**	**2.9570**	**.00885**	**-.00030**	**.00985**	**.01605**	**.50383**
Stddev	.0099	.00140	.00128	.00002	.00006	.00309	.00008	.0078	.00073	.00156	.00045	.00072	.01143
%RSD	.33220	13.655	.62421	.21346	.28087	.31144	.19450	.26342	8.2066	520.11	4.5853	4.4759	2.2685
#1	2.9735	.01124	.20650	.01020	.02028	.98857	.04143	2.9515	.00833	.00080	.01017	.01554	.51191
#2	2.9875	.00926	.20468	.01023	.02036	.99293	.04132	2.9625	.00936	-.00141	.00953	.01656	.49574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0782**	**.10627**	**.01004**	**.01431**	**.01031**	**.01626**	F **.10968**	**.00985**	**.02065**	**.01319**
Stddev	.0245	.00065	.00000	.00051	.00028	.00011	.00384	.00059	.00043	.00055
%RSD	2.2685	.61378	.00908	3.5802	2.6921	.68189	3.5031	5.9482	2.0922	4.1903
#1	1.0955	.10581	.01004	.01468	.01012	.01634	.11239	.01027	.02034	.01358
#2	1.0609	.10673	.01003	.01395	.01051	.01618	.10696	.00944	.02095	.01280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7062.6**	**82067.**	**6574.5**
Stddev	12.1	265.	63.7
%RSD	.17166	.32319	.96815
#1	7054.0	82255.	6619.5
#2	7071.2	81880.	6529.5

Sample Name: ICVL2379751 Acquired: 11/14/2013 15:07:05 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.10587**	**.01435**	**.10101**	**.01020**	**.00103**	**.11045**	**.21728**	**.00508**	**.01049**	**.01036**	**.01512**	**.10247**
Stddev	.00016	.00127	.00381	.00059	.00007	.00003	.00074	.00111	.00014	.00014	.00002	.00056	.00028
%RSD	1.5947	1.1981	26.583	.58398	.69115	3.2415	.67260	.51235	2.7589	1.3039	.18085	3.6884	.27807
#1	.00999	.10497	.01165	.10059	.01025	.00105	.10993	.21649	.00517	.01039	.01038	.01473	.10227
#2	.01022	.10676	.01705	.10143	.01015	.00100	.11098	.21807	.00498	.01059	.01035	.01552	.10267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0601**	**.01279**	**.20783**	**.01044**	**.02042**	**1.0311**	**.04188**	**2.9834**	**.00840**	**-.00114**	**.01182**	**.01306**	**.49704**
Stddev	.0308	.00178	.00030	.00010	.00014	.0024	.00031	.0056	.00088	.00028	.00035	.00156	.00733
%RSD	1.0080	13.907	.14378	.98920	.67313	.23588	.73277	.18665	10.513	24.816	2.9314	11.978	1.4739
#1	3.0383	.01405	.20762	.01036	.02033	1.0328	.04209	2.9795	.00778	-.00094	.01206	.01416	.50222
#2	3.0819	.01153	.20804	.01051	.02052	1.0294	.04166	2.9874	.00902	-.00134	.01157	.01195	.49186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0637**	**.10709**	**.01001**	**.01640**	**.00994**	**.01574**	F **.02374**	**.01036**	**.02138**	**.01474**
Stddev	.0157	.00039	.00001	.00004	.00026	.00021	.00039	.00024	.00030	.00058
%RSD	1.4739	.36884	.08868	.24779	2.6378	1.3172	1.6515	2.3651	1.4261	3.9655
#1	1.0747	.10737	.01002	.01637	.00976	.01560	.02401	.01053	.02117	.01433
#2	1.0526	.10681	.01001	.01643	.01013	.01589	.02346	.01019	.02160	.01516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.8**	**81165.**	**6501.0**
Stddev	5.7	23.	6.1
%RSD	.08009	.02870	.09427
#1	7061.8	81182.	6496.7
#2	7053.8	81149.	6505.4

Sample Name: CCVH-2372891 Acquired: 11/14/2013 15:16:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**50.033**	**-.00143**	**-.00026**	**.00039**	**-.00009**	**.98528**	**.01987**	**.00056**	**-.00073**	**.00020**	**-.00267**	**49.782**
Stddev	.00014	.063	.00011	.00039	.00001	.00006	.00584	.00112	.00018	.00022	.00007	.00041	.157
%RSD	7.4582	.12561	7.4676	150.67	3.7446	66.131	.59287	5.6561	32.109	30.163	35.585	15.479	.31449
#1	-.00194	49.988	-.00136	-.00054	.00040	-.00013	.98941	.01907	.00044	-.00088	.00015	-.00296	49.671
#2	-.00175	50.077	-.00151	.00002	.00038	-.00005	.98115	.02066	.00069	-.00057	.00025	-.00238	49.892
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06345**	**.00055**	**.07588**	**-.00010**	**.00027**	**249.04**	**-.00066**	**.00232**	**-.00135**	**4.8944**	**.00076**	**-.00475**	**-.01432**
Stddev	.00598	.00010	.00031	.00005	.00001	.32	.00011	.00158	.00045	.0060	.00026	.00031	.00005
%RSD	9.4183	18.166	.40342	47.680	3.7035	.12881	16.611	67.828	33.502	.12176	33.717	6.4712	.37626
#1	.06768	.00048	.07609	-.00014	.00026	248.81	-.00058	.00344	-.00167	4.8987	.00094	-.00453	-.01435
#2	.05923	.00062	.07566	-.00007	.00027	249.27	-.00073	.00121	-.00103	4.8902	.00058	-.00497	-.01428
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03063**	**-.00015**	**-.00002**	**4.9468**	**.00736**	**.00279**	F **7.5537**	**-.00006**	**.00129**	**-.05129**
Stddev	.00012	.00111	.00001	.0096	.00076	.00098	.1000	.00006	.00007	.00016
%RSD	.37626	740.56	34.907	.19436	10.389	35.207	1.3235	103.64	5.5053	.31552
#1	-.03072	-.00093	-.00001	4.9400	.00682	.00209	7.4830	-.00010	.00124	-.05141
#2	-.03055	.00063	-.00002	4.9536	.00790	.00348	7.6244	-.00002	.00134	-.05118
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.1**	**78773.**	**6454.2**
Stddev	17.8	120.	47.7
%RSD	.25774	.15260	.73914
#1	6906.5	78688.	6487.9
#2	6931.7	78858.	6420.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 15:18:24 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49133**	**.50635**	**.96232**	**.48375**	**.48774**	**.48109**	**-.01342**	**4.8817**	**.48569**	**.49486**	**.49590**	**.48871**	**2.4719**
Stddev	.00117	.00192	.00189	.00285	.00462	.00325	.00035	.0074	.00265	.00059	.00041	.00294	.0257
%RSD	.23774	.37958	.19681	.58847	.94656	.67528	2.6171	.15216	.54619	.11928	.08246	.60102	1.0381
#1	.49050	.50771	.96099	.48174	.48448	.47880	-.01367	4.8765	.48382	.49444	.49619	.48663	2.4538
#2	.49215	.50499	.96366	.48576	.49101	.48339	-.01317	4.8870	.48757	.49528	.49561	.49079	2.4901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.192**	**.96667**	**19.543**	**.49287**	**.49691**	**4.9555**	**.49654**	**.96323**	**.99174**	**-.00297**	**.98181**	**.96335**	**4.8559**
Stddev	.434	.00615	.035	.00025	.00073	.0380	.00041	.00139	.00325	.00072	.00190	.00688	.0690
%RSD	.90106	.63628	.17914	.05034	.14606	.76713	.08225	.14468	.32791	24.213	.19350	.71370	1.4204
#1	47.885	.96232	19.568	.49269	.49742	4.9286	.49683	.96421	.99404	-.00246	.98047	.95849	4.8072
#2	48.499	.97101	19.518	.49304	.49640	4.9823	.49626	.96224	.98945	-.00348	.98315	.96821	4.9047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.392**	**.98475**	**.48629**	**.00176**	**.48872**	**.99596**	**.00576**	**.48746**	**.49489**	**.48463**
Stddev	.148	.00138	.00508	.00177	.00052	.00034	.03950	.00044	.00020	.00509
%RSD	1.4204	.13983	1.0444	100.11	.10693	.03412	685.34	.09003	.04125	1.0506
#1	10.287	.98378	.48270	.00301	.48909	.99572	-.02217	.48777	.49504	.48103
#2	10.496	.98573	.48989	.00052	.48835	.99620	.03370	.48715	.49475	.48823
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7056.4**	**80339.**	**6558.8**
Stddev	59.9	529.	34.9
%RSD	.84873	.65843	.53266
#1	7014.1	79965.	6583.5
#2	7098.8	80713.	6534.1

Sample Name: X Acquired: 11/14/2013 15:20:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00127**	**-.00213**	**.00084**	**.00024**	**.00012**	**.00295**	**.00798**	**.00003**	**-.00005**	**.00005**	**.00000**
Stddev	.00022	.00094	.00048	.00007	.00037	.00006	.00134	.00370	.00004	.00010	.00002	.00021
%RSD	123.51	73.552	22.520	8.3707	150.67	53.933	45.529	46.380	115.07	185.87	34.579	8104.9
#1	.00033	.00193	-.00179	.00089	-.00002	.00007	.00200	.01060	.00006	.00002	.00004	-.00015
#2	.00002	.00061	-.00247	.00079	.00051	.00017	.00390	.00537	.00001	-.00012	.00007	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**.07594**	**.00050**	**.00226**	**.00005**	**.00035**	**.05391**	**-.00008**	**-.00186**	**.00074**	**-.00136**	W **.00528**
Stddev	.00237	.03168	.00005	.00010	.00002	.00005	.00082	.00016	.00021	.00084	.00027	.00001
%RSD	55.353	41.714	9.6627	4.5092	43.603	14.470	1.5252	206.37	11.468	113.77	20.052	.20966
#1	.00261	.09834	.00054	.00233	.00007	.00032	.05333	-.00019	-.00201	.00133	-.00117	.00529
#2	.00596	.05354	.00047	.00219	.00004	.00039	.05449	.00003	-.00171	.00014	-.00155	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00172**	**.00795**	**.01701**	**-.00017**	**.00002**	**.00188**	**.00032**	**.00077**	**-.01713**	**.00009**	**.00212**	**.00118**
Stddev	.00007	.02144	.04588	.00059	.00005	.00023	.00009	.00015	.00758	.00012	.00045	.00059
%RSD	4.1375	269.77	269.77	340.24	204.65	12.350	28.590	19.351	44.223	129.22	21.297	50.243
#1	-.00177	.02311	.04945	-.00059	.00006	.00171	.00038	.00066	-.02249	.00001	.00180	.00076
#2	-.00167	-.00721	-.01544	.00025	-.00001	.00204	.00025	.00088	-.01178	.00018	.00244	.00160
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7081.0**	**82043.**	**6553.1**
Stddev	14.7	624.	35.3
%RSD	.20794	.76025	.53840
#1	7091.4	82484.	6578.1
#2	7070.6	81602.	6528.2

Sample Name: ICB Acquired: 11/14/2013 15:24:13 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00037**	**.00003**	**-.00016**	**.00027**	**-.00003**	**.00377**	**.00181**	**-.00022**	**.00003**	**-.00012**	**-.00002**	**-.00145**
Stddev	.00042	.00004	.00006	.00012	.00043	.00005	.00120	.00303	.00008	.00003	.00007	.00007	.00050
%RSD	80.104	11.805	199.76	73.904	160.84	133.58	31.966	167.35	34.533	105.07	54.869	428.76	34.590
#1	-.00083	-.00034	.00008	-.00007	.00057	.00000	.00462	-.00033	-.00017	.00005	-.00017	.00003	-.00180
#2	-.00023	-.00040	-.00001	-.00024	-.00004	-.00007	.00292	.00395	-.00027	.00001	-.00007	-.00007	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00512**	**.00127**	**.00016**	**-.00001**	**-.00036**	**.00846**	**-.00002**	**.00230**	**-.00110**	**.00078**	**.00016**	**-.00067**	**-.00236**
Stddev	.07651	.00083	.00029	.00001	.00024	.00811	.00013	.00045	.00024	.00351	.00015	.00318	.00389
%RSD	1493.2	65.142	181.96	97.586	66.676	95.811	539.48	19.508	22.210	449.68	92.146	476.26	164.72
#1	.05922	.00068	.00037	.00000	-.00019	.00273	.00007	.00262	-.00127	.00326	.00006	-.00291	.00039
#2	-.04897	.00185	-.00005	-.00001	-.00054	.01420	-.00012	.00198	-.00093	-.00170	.00027	.00158	-.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00505**	**-.00050**	**-.00014**	**.00164**	**.00002**	**.00040**	**-.02345**	**-.00039**	**.00064**	**-.00010**
Stddev	.00832	.00041	.00007	.00157	.00049	.00098	.00377	.00002	.00047	.00191
%RSD	164.72	81.130	53.634	95.842	1983.0	243.14	16.071	6.2291	73.012	1826.2
#1	.00083	-.00079	-.00008	.00053	.00037	-.00029	-.02079	-.00037	.00097	.00125
#2	-.01094	-.00022	-.00019	.00276	-.00032	.00110	-.02612	-.00040	.00031	-.00146
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.9**	**82752.**	**6601.0**
Stddev	5.5	117.	104.3
%RSD	.07753	.14172	1.5800
#1	7102.8	82669.	6674.7
#2	7095.0	82835.	6527.2

Sample Name: CRI-2379747 Acquired: 11/14/2013 15:26:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.10228**	**.00886**	**.09474**	**.00501**	**.00099**	**.11006**	**.19861**	**.00470**	**.00508**	**.01011**	**.01028**
Stddev	.00040	.00089	.00234	.00135	.00021	.00006	.00076	.00537	.00031	.00024	.00006	.00114
%RSD	4.0348	.87453	26.426	1.4248	4.1875	6.3554	.68972	2.7063	6.6766	4.7317	.63444	11.077
#1	.00965	.10291	.01051	.09569	.00486	.00103	.11060	.20241	.00492	.00525	.01015	.01108
#2	.01022	.10164	.00720	.09378	.00516	.00094	.10953	.19481	.00448	.00491	.01006	.00947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02893**	**1.0066**	**.01063**	**.19614**	**.00306**	**.00954**	**.98009**	**.01019**	**.92434**	**.00265**	**.09324**	**.00849**
Stddev	.00064	.0197	.00289	.00669	.00002	.00010	.00493	.00009	.00778	.00053	.00076	.00023
%RSD	2.2123	1.9583	27.182	3.4114	.81408	1.0939	.50318	.86163	.84212	19.904	.81062	2.7328
#1	.02938	.99270	.00859	.19141	.00305	.00946	.98358	.01013	.92985	.00228	.09271	.00833
#2	.02847	1.0206	.01267	.20087	.00308	.00961	.97660	.01026	.91884	.00303	.09377	.00866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00635**	**.47639**	**1.0195**	**.01941**	**.00480**	W **.00509**	**.00983**	**.01178**	**.06409**	**.00915**	W **.01312**	**.00941**
Stddev	.00162	.00651	.0139	.00031	.00005	.00019	.00002	.00061	.00938	.00028	.00039	.00063
%RSD	25.496	1.3671	1.3671	1.6052	1.0561	3.7990	.17207	5.1915	14.636	3.0375	2.9656	6.6737
#1	.00521	.47179	1.0096	.01919	.00484	.00495	.00984	.01221	.05746	.00895	.01285	.00985
#2	.00750	.48100	1.0293	.01963	.00476	.00522	.00982	.01135	.07073	.00934	.01340	.00897
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value	.01000					.01000					.01000	
Range	-20.490%					-20.490%					20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7266.7**	**83234.**	**6632.4**
Stddev	16.2	743.	9.7
%RSD	.22290	.89293	.14563
#1	7255.2	83760.	6625.6
#2	7278.1	82709.	6639.3

Sample Name: CRI-2381867 Acquired: 11/14/2013 15:37:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.00027**	**.00076**	**-.00060**	**.00040**	**.00002**	**.00332**	**.00035**	**-.00023**	**-.00020**
Stddev	.00013	.00034	.00013	.00029	.00028	.00005	.00110	.00687	.00021	.00027
%RSD	40.295	125.69	17.325	49.009	69.200	278.23	33.212	1954.1	89.094	133.02
#1	-.00040	-.00051	.00067	-.00039	.00059	.00005	.00254	.00521	-.00038	-.00001
#2	-.00022	-.00003	.00086	-.00080	.00020	-.00002	.00410	-.00451	-.00009	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00022**	**.00059**	**.02191**	**.00089**	**.00194**	**.00002**	**-.00023**	**.01335**	**-.00014**
Stddev	.00001	.00069	.00168	.04250	.00236	.00169	.00003	.00011	.00060	.00001
%RSD	124.92	314.23	286.86	193.97	264.72	87.086	134.21	45.315	4.4684	7.8752
#1	.00000	.00027	-.00060	-.00814	.00256	.00074	.00005	-.00016	.01293	-.00013
#2	-.00001	-.00071	.00178	.05196	-.00078	.00313	.00000	-.00031	.01377	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00022**	**.00123**	**.00107**	**.01146**	**.01712**	**.03664**	**-.00059**	**-.00005**	**.00083**
Stddev	.00101	.00005	.00092	.00153	.00123	.01169	.02502	.00005	.00002	.00205
%RSD	124.97	20.490	74.604	143.24	10.722	68.289	68.289	8.0296	48.697	248.01
#1	-.00152	-.00019	.00188	-.00001	.01233	.00885	.01895	-.00056	-.00006	-.00062
#2	-.00009	-.00025	.00058	.00214	.01059	.02539	.05434	-.00063	-.00003	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00150**	**-.01417**	**.00022**	**.01979**	**.00012**
Stddev	.00008	.00049	.04008	.00045	.00075	.00088
%RSD	88.741	32.599	282.88	206.10	3.8072	719.37
#1	-.00003	.00115	.01417	-.00010	.01925	.00074
#2	-.00015	.00185	-.04251	.00053	.02032	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7108.9**	**82964.**	**6586.1**
Stddev	26.2	160.	15.2
%RSD	.36797	.19332	.23068
#1	7127.4	82851.	6575.4
#2	7090.4	83078.	6596.9

Sample Name: CRI-2381868 Acquired: 11/14/2013 15:55:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00032**	**-.00196**	**-.00095**	**.00019**	**-.00005**	**.00465**	**.00627**	**-.00010**	**-.00003**
Stddev	.00108	.00018	.00011	.00043	.00030	.00002	.00110	.00151	.00006	.00013
%RSD	2285.3	55.359	5.8174	44.959	162.66	41.183	23.676	24.073	60.904	449.29
#1	.00072	-.00045	-.00188	-.00065	.00040	-.00003	.00543	.00733	-.00006	.00006
#2	-.00081	-.00020	-.00204	-.00125	-.00003	-.00006	.00387	.00520	-.00015	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00023**	**.00074**	**.01573**	**.00288**	**-.00209**	**.00007**	**.00004**	**.01052**	**-.00003**
Stddev	.00008	.00017	.00112	.02258	.00015	.00186	.00004	.00002	.00381	.00005
%RSD	4915.5	72.168	151.48	143.58	5.0528	88.710	47.594	49.554	36.197	154.14
#1	-.00005	.00011	-.00005	-.00024	.00278	-.00078	.00005	.00003	.01321	.00000
#2	.00006	.00035	.00153	.03170	.00298	-.00341	.00010	.00006	.00783	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00032**	**-.00194**	**.00074**	**.02069**	**.00204**	**.00436**	**-.00080**	**-.00009**	**.00063**
Stddev	.00027	.00066	.00051	.00169	.00060	.01935	.04140	.00051	.00004	.00138
%RSD	466.21	206.77	26.540	229.21	2.8989	949.55	949.55	63.392	46.036	218.73
#1	-.00025	-.00079	-.00157	.00194	.02112	.01572	.03363	-.00044	-.00006	-.00035
#2	.00013	.00015	-.00230	-.00046	.02027	-.01164	-.02491	-.00116	-.00012	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00179**	**-.01232**	**-.00019**	**.00142**	**.00050**
Stddev	.00017	.00142	.05186	.00014	.00008	.00027
%RSD	107.61	79.723	420.84	70.397	5.4280	54.443
#1	-.00027	.00279	.02435	-.00010	.00137	.00031
#2	-.00004	.00078	-.04899	-.00029	.00148	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7145.1**	**83492.**	**6674.3**
Stddev	34.8	152.	90.8
%RSD	.48763	.18202	1.3606
#1	7120.4	83384.	6738.5
#2	7169.7	83599.	6610.1

Sample Name: ICSA-2341463 Acquired: 11/14/2013 15:59:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**496.16**	**-.00763**	**.00023**	**.00027**	**-.00007**	**-.00693**	**451.49**	W **.00191**	**-.00011**	W **.00285**
Stddev	.00008	.28	.00224	.00052	.00011	.00002	.00202	3.16	.00016	.00006	.00001
%RSD	19.008	.05575	29.318	224.86	41.458	27.795	29.161	.70011	8.4500	58.817	.48152
#1	.00037	495.97	-.00921	.00060	.00019	-.00006	-.00836	453.73	.00179	-.00006	.00286
#2	.00049	496.36	-.00605	-.00014	.00035	-.00009	-.00550	449.26	.00202	-.00015	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit									.00080		.00186
Low Limit									-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**183.56**	**.02629**	W **.00736**	**486.32**	W **.00076**	**.00012**	**.04451**	**-.00070**	**-.00323**	**.00426**
Stddev	.00017	.45	.03177	.00122	.86	.00001	.00033	.00958	.00017	.00125	.00058
%RSD	7.9919	.24730	120.84	16.544	.17762	1.7868	263.28	21.520	24.806	38.842	13.700
#1	.00206	183.88	.04875	.00650	486.93	.00077	-.00011	.03774	-.00058	-.00412	.00467
#2	.00231	183.24	.00383	.00822	485.71	.00075	.00036	.05128	-.00083	-.00234	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04620**	W **.00678**	**.00731**	W **.01265**	**.02708**	**.00185**	W **.01476**	**.00422**	**-.00099**	**-.00408**	**-.08598**
Stddev	.00116	.00172	.00020	.00893	.01911	.00019	.00003	.00147	.00011	.00084	.05335
%RSD	2.5155	25.394	2.7847	70.575	70.575	10.153	.17942	34.951	11.198	20.569	62.045
#1	-.04537	.00800	.00716	.00634	.01356	.00172	.01478	.00318	-.00107	-.00468	-.04826
#2	-.04702	.00556	.00745	.01897	.04059	.00198	.01474	.00526	-.00091	-.00349	-.12370
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628		.00694			.00050				
Low Limit		-.00628		-.06940			-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **-.00761**	**-.00151**	**-.00071**
Stddev	.00013	.00028	.00065
%RSD	1.7242	18.326	91.249
#1	-.00770	-.00132	-.00025
#2	-.00751	-.00171	-.00116
Check ?	Chk Warn	Chk Pass	Chk Pass
High Limit	.00222		
Low Limit	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6477.2**	**72083.**	**6587.1**
Stddev	6.7	116.	12.7
%RSD	.10308	.16058	.19300
#1	6472.5	72001.	6596.1
#2	6481.9	72164.	6578.1

Sample Name: ICSAB-2363707 Acquired: 11/14/2013 16:02:13 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0891**	**495.82**	**1.9756**	**1.8879**	**.49172**	**.47229**	**.95456**	**460.33**	**1.0030**	**.45724**	**.48380**	**.53364**	**183.21**
Stddev	.0003	2.40	.0021	.0062	.00212	.00119	.00093	13.76	.0018	.00000	.00039	.00156	.03
%RSD	.02604	.48350	.10690	.33077	.43175	.25142	.09734	2.9900	.18034	.00062	.08066	.29232	.01424
#1	1.0889	497.51	1.9741	1.8835	.49322	.47312	.95390	470.06	1.0017	.45724	.48408	.53254	183.23
#2	1.0893	494.12	1.9771	1.8923	.49021	.47145	.95521	450.60	1.0043	.45724	.48353	.53474	183.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.504**	**1.0379**	**486.72**	**.48867**	**.94747**	**51.436**	**.90242**	**1.9123**	**.89650**	**.92943**	**.99814**	**4.7524**	**9.5996**
Stddev	.301	.0020	2.72	.00045	.00161	.139	.00020	.0063	.00093	.00457	.00409	.0076	.0211
%RSD	.58381	.18841	.55920	.09280	.16944	.27008	.02214	.32868	.10393	.49154	.40997	.15904	.21948
#1	51.717	1.0393	484.80	.48899	.94861	51.338	.90256	1.9079	.89584	.93266	1.0010	4.7471	9.5847
#2	51.292	1.0366	488.64	.48835	.94634	51.534	.90228	1.9168	.89716	.92620	.99524	4.7578	9.6145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.543**	**8.8371**	**.98475**	**2.0205**	**.98014**	**8.1893**	**-.00583**	**.48499**	**.94331**	**.93376**
Stddev	.045	.0099	.00415	.0024	.00096	.0108	.01259	.00167	.00142	.00086
%RSD	.21948	.11168	.42184	.12026	.09760	.13189	215.82	.34342	.15003	.09158
#1	20.511	8.8440	.98768	2.0188	.98082	8.1970	.00307	.48381	.94431	.93315
#2	20.575	8.8301	.98181	2.0223	.97946	8.1817	-.01473	.48617	.94231	.93436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6502.0**	**72055.**	**6511.9**
Stddev	40.5	291.	38.8
%RSD	.62277	.40448	.59557
#1	6473.4	71849.	6484.5
#2	6530.6	72261.	6539.4

Sample Name: LRA-2305343 Acquired: 11/14/2013 16:04:31 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2848**	**.31012**	**9.9699**	**9.6336**	**12.163**	**.00027**	**-.36930**	**.05304**	**2.0091**	**4.9870**	**10.203**	**10.305**	R **505.26**
Stddev	.0106	.03459	.0464	.0069	.039	.00001	.00597	.01953	.0032	.0064	.010	.021	.15
%RSD	.82083	11.154	.46587	.07178	.31671	4.3140	1.6165	36.825	.16105	.12917	.09593	.20480	.02927
#1	1.2922	.28566	10.003	9.6384	12.190	.00026	-.37352	.06685	2.0114	4.9916	10.210	10.290	505.36
#2	1.2773	.33458	9.9370	9.6287	12.136	.00028	-.36507	.03923	2.0068	4.9825	10.197	10.320	505.15
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.10818**	**.00007**	**.06852**	**9.6543**	**5.0093**	**.02418**	**10.180**	**.00183**	**10.061**	**-.08363**	**-.11313**	**4.9249**	**48.154**
Stddev	.00349	.00097	.02752	.1438	.0105	.01482	.011	.00111	.021	.00240	.00096	.0153	.015
%RSD	3.2237	1437.5	40.157	1.4893	.20900	61.301	.10579	60.670	.21119	2.8716	.85290	.30981	.03159
#1	-.10571	-.00062	.08798	9.5526	5.0167	.03466	10.188	.00261	10.076	-.08533	-.11244	4.9141	48.144
#2	-.11064	.00075	.04906	9.7560	5.0019	.01370	10.172	.00104	10.046	-.08193	-.11381	4.9357	48.165
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**103.05**	**.01919**	**10.175**	**-.00635**	**9.9122**	**4.8608**	**-.00908**	**9.8729**	**9.6476**	**.00351**
Stddev	.03	.00028	.164	.00009	.0167	.0075	.03148	.0300	.0110	.00203
%RSD	.03159	1.4642	1.6124	1.4745	.16876	.15475	346.79	.30415	.11350	57.697
#1	103.03	.01899	10.059	-.00629	9.9004	4.8661	-.03134	9.8517	9.6398	.00495
#2	103.07	.01939	10.291	-.00642	9.9241	4.8554	.01318	9.8942	9.6553	.00208
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7002.9**	**81449.**	**6661.5**
Stddev	12.3	35.	45.5
%RSD	.17502	.04278	.68228
#1	6994.2	81424.	6693.7
#2	7011.6	81473.	6629.4

Sample Name: CCVH-2372891 Acquired: 11/14/2013 16:07:37 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**50.047**	**.00061**	**.02569**	**.00113**	**-.00002**	**1.0077**	**.02396**	**.00083**	**-.00040**	**.00126**	**-.00240**	**50.052**
Stddev	.00056	.189	.00119	.00367	.00005	.00004	.0017	.00326	.00042	.00055	.00093	.00040	.213
%RSD	22.371	.37828	193.28	14.283	4.6296	234.19	.17068	13.605	51.318	135.79	74.284	16.441	.42492
#1	-.00292	50.181	.00145	.02829	.00116	.00001	1.0064	.02166	.00113	-.00002	.00192	-.00212	49.902
#2	-.00212	49.913	-.00023	.02310	.00109	-.00005	1.0089	.02627	.00053	-.00079	.00060	-.00268	50.202
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06392**	**.00229**	**.08030**	**.00026**	**.00151**	**250.95**	**.00002**	**.00229**	**.00064**	**4.9719**	**.00192**	**-.00164**	**.02986**
Stddev	.01130	.00085	.00262	.00021	.00055	.49	.00094	.00032	.00033	.0048	.00137	.00113	.01841
%RSD	17.674	37.222	3.2638	84.165	36.484	.19505	5281.3	13.932	51.185	.09582	71.112	68.640	61.655
#1	.05593	.00289	.07844	.00041	.00190	251.29	.00068	.00252	.00041	4.9685	.00289	-.00244	.04287
#2	.07191	.00168	.08215	.00010	.00112	250.60	-.00065	.00207	.00087	4.9752	.00096	-.00085	.01684
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06389**	**.00001**	**.00049**	**4.9518**	**.00881**	**.00327**	F **7.7021**	**.00013**	**.00222**	**-.05000**
Stddev	.03939	.00029	.00012	.0089	.00001	.00085	.0777	.00002	.00038	.00045
%RSD	61.655	4451.8	25.349	.17924	.14600	25.943	1.0085	18.125	17.164	.90554
#1	.09175	.00021	.00058	4.9581	.00882	.00387	7.7570	.00012	.00249	-.05032
#2	.03604	-.00020	.00040	4.9455	.00880	.00267	7.6472	.00015	.00195	-.04968
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7023.4**	**79943.**	**6659.3**
Stddev	2.7	99.	17.3
%RSD	.03814	.12433	.25959
#1	7025.3	80013.	6671.6
#2	7021.5	79872.	6647.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 16:09:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49600**	**.51103**	**.98263**	**.50479**	**.49292**	**.48492**	**-.01405**	**4.8763**	**.48833**	**.49660**	**.50118**	**.49382**	**2.4967**
Stddev	.00284	.00010	.00098	.00078	.00001	.00145	.00311	.0180	.00087	.00005	.00118	.00130	.0059
%RSD	.57266	.01962	.09931	.15448	.00276	.29960	22.173	.36882	.17777	.01039	.23529	.26409	.23606
#1	.49399	.51096	.98332	.50535	.49291	.48594	-.01184	4.8890	.48771	.49664	.50201	.49289	2.5008
#2	.49801	.51110	.98194	.50424	.49293	.48389	-.01625	4.8635	.48894	.49657	.50034	.49474	2.4925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.405**	**.97070**	**19.511**	**.48853**	**.50390**	**4.9600**	**.50406**	**.98294**	**.98994**	**-.00488**	**.99106**	**.98358**	**4.9456**
Stddev	.014	.00106	.015	.00028	.00111	.0491	.00205	.00112	.00425	.00036	.00185	.00166	.0405
%RSD	.02971	.10897	.07858	.05771	.21979	.99059	.40655	.11423	.42896	7.3700	.18705	.16890	.81864
#1	48.415	.97145	19.522	.48873	.50469	4.9947	.50262	.98374	.99294	-.00513	.98975	.98240	4.9170
#2	48.395	.96995	19.500	.48833	.50312	4.9253	.50551	.98215	.98694	-.00463	.99237	.98475	4.9742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.584**	**.99561**	**.49001**	**-.00045**	**.49264**	**.99605**	**-.00955**	**.48452**	**.49097**	**.49045**
Stddev	.087	.00109	.00090	.00079	.00092	.00052	.04620	.00043	.00043	.00066
%RSD	.81864	.10969	.18345	174.25	.18602	.05255	483.95	.08894	.08783	.13363
#1	10.522	.99638	.49064	.00011	.49199	.99568	-.04221	.48422	.49066	.48999
#2	10.645	.99484	.48937	-.00102	.49329	.99642	.02312	.48483	.49127	.49091
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.5**	**81752.**	**6702.3**
Stddev	5.9	66.	5.2
%RSD	.08271	.08127	.07761
#1	7109.3	81799.	6706.0
#2	7117.6	81705.	6698.6

Sample Name: CCB Acquired: 11/14/2013 16:12:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00220**	**-.00180**	F **.00943**	**.00051**	**-.00002**	**.00372**	**.00347**	**.00000**	**.00007**	**.00007**	**.00042**
Stddev	.00029	.00089	.00200	.00110	.00039	.00009	.00048	.00246	.0001	.00005	.00008	.00021
%RSD	585.60	40.645	111.15	11.693	75.503	411.32	13.026	70.850	2586.2	61.696	127.40	49.878
#1	.00016	.00283	-.00038	.01021	.00024	-.00009	.00338	.00173	.00007	.00004	.00012	.00027
#2	-.00025	.00157	-.00321	.00865	.00079	.00004	.00406	.00521	-.00008	.00011	.00001	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.04749**	**.00253**	**.00815**	W **.00026**	**.00029**	**.02400**	**.00009**	**-.00056**	**-.00009**	**-.00134**	W **.00506**
Stddev	.00123	.01936	.00015	.00147	.00008	.00016	.01527	.00018	.00023	.00096	.00010	.00076
%RSD	21.071	40.769	5.7723	17.978	31.560	53.937	63.613	193.72	42.141	1121.0	7.3592	15.077
#1	.00497	.03380	.00263	.00919	.00032	.00018	.03480	.00022	-.00072	.00060	-.00141	.00452
#2	.00672	.06118	.00243	.00712	.00020	.00040	.01321	-.00003	-.00039	-.00077	-.00127	.00560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00025							.00314
Low Limit					-.00025							-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.01789**	**.03828**	**-.00027**	**.00004**	**.00241**	**.00039**	**.00174**	**-.02842**	**.00057**	**.00256**	**-.00033**
Stddev	.00247	.00394	.00842	.00035	.00003	.00065	.00008	.00111	.02274	.00022	.00003	.00096
%RSD	158.29	22.004	22.004	127.92	83.225	27.110	21.374	63.915	80.025	39.567	1.0865	295.89
#1	.00331	.02067	.04423	-.00052	.00002	.00195	.00033	.00252	-.04450	.00041	.00258	-.00101
#2	-.00019	.01510	.03232	-.00003	.00006	.00288	.00044	.00095	-.01234	.00073	.00254	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.8**	**82008.**	**6685.5**
Stddev	10.4	525.	68.0
%RSD	.14778	.63959	1.0178
#1	7046.4	82379.	6637.4
#2	7061.1	81637.	6733.6

Sample Name: CCVL2379751 Acquired: 11/14/2013 16:14:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.10867**	**.01537**	**.10478**	**.01023**	**.00102**	**.11441**	**.21856**	**.00504**	**.01038**	**.01055**	**.01508**	**.10601**	**2.9965**
Stddev	.00030	.00036	.00015	.00005	.00072	.00000	.00006	.00077	.00026	.00007	.00003	.00026	.00084	.0035
%RSD	3.0759	.33082	.98718	.04365	7.0501	.48054	.05086	.35035	5.1634	.62877	.25617	1.7279	.78776	.11564
#1	.00968	.10842	.01527	.10481	.01074	.00102	.11437	.21910	.00523	.01034	.01057	.01527	.10542	2.9990
#2	.01011	.10893	.01548	.10475	.00972	.00103	.11445	.21802	.00486	.01043	.01053	.01490	.10660	2.9941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.21392**	**.01036**	**.01980**	**1.0452**	**.04285**	**2.8847**	**.00941**	**.00059**	**.00980**	**.01783**	**.49134**	**1.0515**	**.10085**
Stddev	.00217	.00175	.00001	.00003	.0043	.00019	.0019	.00023	.00167	.00030	.00337	.02078	.0445	.00067
%RSD	20.433	.81635	.11113	.14689	.40660	.43716	.06763	2.4942	284.89	3.0956	18.910	4.2288	4.2288	.66289
#1	.00907	.21269	.01035	.01982	1.0422	.04298	2.8861	.00958	.00176	.01001	.02022	.47664	1.0200	.10133
#2	.01214	.21516	.01037	.01978	1.0482	.04272	2.8833	.00925	-.00059	.00958	.01545	.50603	1.0829	.10038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.01546**	**.01023**	**.01660**	**.05572**	**.01014**	**.02484**	**.01476**
Stddev	.00002	.00055	.00042	.00032	.03494	.00030	.00007	.00100
%RSD	.22864	3.5598	4.1316	1.9504	62.714	2.9742	.27160	6.7635
#1	.01009	.01585	.01053	.01683	.03101	.00992	.02479	.01405
#2	.01012	.01507	.00993	.01637	.08043	.01035	.02489	.01546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7145.9**	**82594.**	**6637.8**
Stddev	3.7	202.	24.8
%RSD	.05127	.24417	.37290
#1	7143.3	82451.	6620.3
#2	7148.5	82736.	6655.3

Sample Name: mb 280-198991/1-a Acquired: 11/14/2013 16:27:59 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00326**	**-.00068**	**-.00094**	**-.00081**	**-.00016**	**.00846**	**-.00193**	**-.00010**	**.00006**
Stddev	.00037	.00039	.00063	.00016	.00000	.00006	.00079	.00199	.00001	.00015
%RSD	65.142	11.827	92.897	16.462	.01295	37.829	9.2884	103.27	6.4061	256.37
#1	-.00084	.00353	-.00112	-.00105	-.00081	-.00020	.00790	-.00333	-.00011	-.00005
#2	-.00031	.00299	-.00023	-.00083	-.00081	-.00012	.00901	-.00052	-.00010	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00273**	**-.00312**	**.00365**	**.00238**	**.00432**	**.00007**	**-.00019**	**-.00609**	**.00062**
Stddev	.00004	.00018	.00033	.01322	.00073	.00084	.00006	.00016	.00360	.00004
%RSD	21.439	6.4896	10.493	362.31	30.875	19.479	85.709	86.121	59.202	6.8291
#1	.00021	-.00286	-.00335	.01299	.00290	.00372	.00003	-.00007	-.00864	.00059
#2	.00015	-.00261	-.00289	-.00570	.00186	.00491	.00011	-.00030	-.00354	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00002**	**-.00063**	**-.00154**	**-.00196**	**-.00430**	**-.00920**	**-.00114**	**-.00014**	W **.00557**
Stddev	.00084	.00006	.00106	.00013	.00102	.00449	.00961	.00019	.00002	.00061
%RSD	218.35	348.00	167.86	8.1172	51.881	104.49	104.49	16.258	12.480	10.910
#1	-.00098	-.00006	-.00138	-.00163	-.00124	-.00748	-.01600	-.00128	-.00012	.00514
#2	.00021	.00003	.00012	-.00146	-.00268	-.00112	-.00240	-.00101	-.00015	.00600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00500
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00225**	**-.01571**	**-.00073**	**.00033**	**.00177**
Stddev	.00001	.00002	.01809	.00016	.00000	.00136
%RSD	3.4290	.85167	115.20	21.842	.93867	76.510
#1	.00016	.00227	-.00291	-.00062	.00033	.00273
#2	.00015	.00224	-.02850	-.00085	.00033	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**12371.**	**136780.**	**12391.**
Stddev	100.	1135.	1165.
%RSD	.80876	.82941	9.3996
#1	12300.	137590.	13215.
#2	12442.	135980.	11567.

Sample Name: lcs 280-198991/2-a Acquired: 11/14/2013 16:30:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05078**	**1.9904**	**1.0081**	**1.0065**	**2.0346**	**.04990**	**2.0792**	**49.093**	**.10171**	**.50052**
Stddev	.00048	.0131	.0003	.0026	.0080	.00020	.0107	.189	.00035	.00004
%RSD	.94116	.65975	.02863	.25784	.39329	.40839	.51394	.38420	.34795	.00821
#1	.05044	1.9811	1.0083	1.0047	2.0403	.05004	2.0867	49.226	.10196	.50055
#2	.05112	1.9997	1.0079	1.0083	2.0290	.04975	2.0716	48.959	.10146	.50049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20805**	**.25508**	**1.0142**	**50.480**	**1.0157**	**50.346**	**.50047**	**1.0231**	**52.347**	**.50579**
Stddev	.00014	.00045	.0047	.394	.0056	.124	.00099	.0010	.876	.00102
%RSD	.06855	.17557	.45901	.78147	.55664	.24596	.19719	.10055	1.6737	.20079
#1	.20795	.25540	1.0175	50.759	1.0197	50.434	.50117	1.0224	52.966	.50507
#2	.20815	.25477	1.0109	50.201	1.0117	50.259	.49977	1.0238	51.727	.50651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.250**	**.49264**	**-.00713**	**.50120**	**2.0084**	**10.063**	**21.535**	**2.0091**	**1.0122**	**1.0173**
Stddev	.031	.00039	.00308	.00091	.0098	.000	.001	.0030	.0031	.0024
%RSD	.30650	.07890	43.194	.18116	.48647	.00390	.00390	.14831	.30618	.23166
#1	10.228	.49291	-.00495	.50184	2.0153	10.063	21.535	2.0112	1.0144	1.0190
#2	10.272	.49236	-.00931	.50056	2.0015	10.063	21.534	2.0070	1.0100	1.0157
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0104**	**1.9606**	F **3.2140**	**.50751**	**.49817**	**.49095**
Stddev	.0022	.0069	.0557	.00033	.00055	.00293
%RSD	.21760	.35126	1.7340	.06465	.11055	.59732
#1	1.0119	1.9655	3.1746	.50728	.49856	.49302
#2	1.0088	1.9557	3.2534	.50774	.49778	.48887
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6869.8**	**79427.**	**6602.0**
Stddev	.4	223.	60.8
%RSD	.00552	.28040	.92088
#1	6870.1	79269.	6559.0
#2	6869.6	79584.	6645.0

Sample Name: 280-48662-e-4-a@10 Acquired: 11/14/2013 16:32:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00776**	**-.00051**	**.05860**	**.00225**	**.00005**	**.00283**	**7.7861**	**-.00022**	**-.00017**
Stddev	.00062	.00014	.00003	.00023	.00034	.00006	.00114	.0133	.00007	.00008
%RSD	319.07	1.7867	5.2889	.39267	14.957	117.56	40.310	.17083	30.033	47.339
#1	.00024	.00785	-.00053	.05877	.00249	.00009	.00203	7.7767	-.00017	-.00011
#2	-.00063	.00766	-.00049	.05844	.00202	.00001	.00364	7.7955	-.00027	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00066**	**.01497**	**.16147**	**.01271**	**1.6991**	**.00085**	**.00085**	**53.155**	**.00020**
Stddev	.00005	.00073	.00107	.01317	.00236	.0067	.00001	.00008	.036	.00011
%RSD	45.132	110.85	7.1690	8.1581	18.561	.39490	.84764	9.0790	.06773	53.438
#1	.00008	.00117	.01573	.15215	.01104	1.7039	.00084	.00090	53.129	.00012
#2	.00015	.00014	.01421	.17078	.01438	1.6944	.00085	.00079	53.180	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**-.00003**	**24.559**	**.00133**	**-.00071**	**.37788**	**.80867**	**.00162**	**.47777**	**.00172**
Stddev	.00049	.00055	.097	.00014	.00030	.01697	.03631	.00010	.00255	.00274
%RSD	17.103	1927.8	.39440	10.724	41.943	4.4903	4.4903	5.9970	.53460	159.90
#1	.00318	.00036	24.628	.00143	-.00050	.36588	.78299	.00169	.47597	-.00022
#2	.00250	-.00042	24.491	.00123	-.00092	.38988	.83435	.00155	.47958	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00219**	**-.04217**	**.00096**	**.00679**	**-.00010**
Stddev	.00053	.00003	.04863	.00026	.00011	.00008
%RSD	349.23	1.5775	115.31	26.700	1.5539	85.851
#1	-.00022	.00217	-.00779	.00114	.00686	-.00016
#2	.00053	.00222	-.07656	.00078	.00671	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6946.7**	**79430.**	**6492.9**
Stddev	19.1	302.	27.9
%RSD	.27469	.38064	.42932
#1	6933.2	79216.	6512.6
#2	6960.2	79644.	6473.2

Sample Name: 280-48662-e-4-aSD@50 Acquired: 11/14/2013 16:34:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00978**	**-.00154**	**.01192**	**.00039**	**.00003**	**.00503**	**1.5837**	**-.00020**	**-.00015**
Stddev	.00001	.00004	.00086	.00030	.00003	.00010	.00091	.0076	.00015	.00026
%RSD	10.060	.36557	55.770	2.4821	7.5612	296.62	18.204	.48306	74.668	169.58
#1	-.00014	.00980	-.00093	.01171	.00041	-.00004	.00438	1.5891	-.00009	.00003
#2	-.00012	.00975	-.00214	.01213	.00037	.00011	.00567	1.5783	-.00030	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00012**	**.01134**	**.03151**	**.00367**	**.34433**	**.00029**	**-.00008**	**10.274**	**11.023**
Stddev	.00015	.00012	.00213	.01158	.00095	.00443	.00003	.00018	.035	.353
%RSD	106.83	94.785	18.751	36.748	25.962	1.2864	8.9385	239.58	.34118	3.2047
#1	-.00004	-.00004	.00984	.02332	.00434	.34120	.00027	.00005	10.299	11.272
#2	-.00025	-.00021	.01285	.03969	.00300	.34746	.00031	-.00021	10.249	10.773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00124**	**-.00049**	**4.8180**	**.00020**	**.00195**	**.07697**	**.16472**	**.00172**	**.09641**
Stddev	.00013	.00033	.00028	.0109	.00080	.00013	.02326	.04977	.00021	.00155
%RSD	114.20	26.349	57.344	.22577	404.02	6.5619	30.217	30.217	12.350	1.6042
#1	.00021	.00101	-.00069	4.8103	-.00037	.00204	.06053	.12953	.00157	.09750
#2	.00002	.00147	-.00029	4.8257	.00076	.00186	.09342	.19992	.00187	.09532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00011**	**.00018**	W **-.05172**	**.00030**	**.00540**	**.00017**
Stddev	.00039	.00004	.00068	.01006	.00012	.00019	.00089
%RSD	25.125	39.780	378.12	19.451	37.824	3.5852	517.93
#1	.00128	-.00014	-.00030	-.04461	.00022	.00553	.00080
#2	.00183	-.00008	.00066	-.05884	.00039	.00526	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7029.0**	**81036.**	**6503.8**
Stddev	10.1	157.	5.5
%RSD	.14429	.19404	.08444
#1	7021.8	81147.	6499.9
#2	7036.2	80924.	6507.7

Sample Name: 48662-e-4-b ms@10 Acquired: 11/14/2013 16:37:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**.22063**	**.10184**	**.15736**	**.20520**	**.00495**	F **.21851**	**12.489**	**.01017**	**.05203**
Stddev	.00017	.00142	.00185	.00138	.00092	.00010	.00255	.029	.00000	.00021
%RSD	3.6634	.64146	1.8123	.87931	.44769	2.0052	1.1654	.23429	.03044	.40905
#1	.00488	.22163	.10315	.15639	.20455	.00488	.22031	12.469	.01017	.05188
#2	.00463	.21963	.10054	.15834	.20585	.00502	.21671	12.510	.01017	.05218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02121**	**.02579**	**.11574**	**5.1790**	**.11069**	**6.6287**	**.05172**	**.10575**	**56.694**	**.05302**
Stddev	.00001	.00049	.00090	.0969	.00232	.0064	.00015	.00020	.421	.00044
%RSD	.06054	1.9082	.78121	1.8719	2.0973	.09688	.29960	.18784	.74336	.82396
#1	.02122	.02614	.11510	5.1104	.11233	6.6332	.05183	.10589	56.396	.05333
#2	.02121	.02544	.11638	5.2475	.10905	6.6242	.05161	.10561	56.992	.05271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0615**	**.05005**	**23.987**	**.05258**	**.20642**	**1.3685**	**2.9286**	**.21020**	**.56633**	**.10040**
Stddev	.0014	.00027	.088	.00205	.00110	.0257	.0550	.00131	.00097	.00189
%RSD	.13414	.53602	.36696	3.8933	.53490	1.8783	1.8783	.62268	.17214	1.8783
#1	1.0604	.05024	24.049	.05403	.20564	1.3503	2.8897	.21112	.56564	.10173
#2	1.0625	.04986	23.924	.05113	.20720	1.3867	2.9675	.20927	.56702	.09906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10120**	**.20468**	**.30643**	**.05164**	**.05767**	**.04788**
Stddev	.00027	.00281	.01225	.00025	.00011	.00110
%RSD	.26921	1.3739	3.9968	.49346	.19369	2.2884
#1	.10139	.20667	.29777	.05182	.05760	.04866
#2	.10100	.20269	.31509	.05146	.05775	.04711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6908.0**	**80108.**	**6476.4**
Stddev	2.3	129.	27.7
%RSD	.03306	.16126	.42734
#1	6909.6	80200.	6496.0
#2	6906.3	80017.	6456.8

Sample Name: 48662-e-4-c msd@10 Acquired: 11/14/2013 16:39:28 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**.21745**	**.10110**	**.15607**	**.20259**	**.00490**	F **.21257**	**12.378**	**.01023**	**.05131**
Stddev	.00010	.00023	.00158	.00028	.00274	.00001	.00128	.148	.00019	.00005
%RSD	1.9919	.10634	1.5595	.17971	1.3524	.24406	.60449	1.1986	1.8535	.10046
#1	.00521	.21761	.09999	.15627	.20453	.00489	.21347	12.483	.01036	.05128
#2	.00507	.21729	.10221	.15588	.20065	.00491	.21166	12.273	.01010	.05135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02100**	**.02534**	**.11549**	**5.1082**	**.11079**	**6.6424**	**.05155**	**.10441**	**57.141**	**.05263**
Stddev	.00003	.00019	.00205	.1342	.00072	.0128	.00006	.00017	.343	.00036
%RSD	.14094	.76522	1.7750	2.6264	.64731	.19273	.11691	.16407	.60025	.68550
#1	.02098	.02548	.11404	5.2031	.11028	6.6514	.05150	.10428	57.384	.05289
#2	.02102	.02521	.11693	5.0134	.11130	6.6333	.05159	.10453	56.899	.05238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0466**	**.05062**	**23.920**	**.04909**	**.20375**	**1.3799**	**2.9530**	**.20740**	**.56297**	**.10134**
Stddev	.0017	.00052	.010	.00112	.00122	.0049	.0104	.00109	.00512	.00013
%RSD	.16494	1.0250	.04041	2.2850	.59836	.35343	.35343	.52753	.90875	.12976
#1	1.0478	.05025	23.927	.04988	.20461	1.3765	2.9456	.20817	.56659	.10144
#2	1.0454	.05099	23.913	.04830	.20288	1.3833	2.9604	.20662	.55935	.10125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10144**	**.20159**	**.32938**	**.05103**	**.05766**	**.04629**
Stddev	.00008	.00129	.04288	.00072	.00011	.00093
%RSD	.07593	.63752	13.017	1.4202	.19111	2.0121
#1	.10138	.20250	.29907	.05052	.05759	.04563
#2	.10149	.20068	.35970	.05154	.05774	.04695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.6**	**78945.**	**6476.4**
Stddev	.6	27.	38.3
%RSD	.00837	.03403	.59095
#1	6906.0	78964.	6449.3
#2	6905.2	78926.	6503.4

Sample Name: 48662-e-4-aPDS@10 Acquired: 11/14/2013 16:41:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04822**	**1.0395**	**.20735**	**.15521**	**.10524**	**.05026**	**.00392**	**27.328**	**.05142**	**.05110**
Stddev	.00001	.0010	.00457	.00079	.00093	.00019	.00056	.163	.00015	.00020
%RSD	.01888	.10025	2.2053	.50986	.88332	.37794	14.217	.59807	.29855	.38894
#1	.04823	1.0388	.20412	.15465	.10458	.05012	.00431	27.212	.05131	.05096
#2	.04822	1.0402	.21059	.15577	.10590	.05039	.00353	27.443	.05153	.05124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05312**	**.05144**	**1.0513**	**20.360**	**.11274**	**21.915**	**.05198**	**.05058**	**72.080**	**.05244**
Stddev	.00023	.00077	.0066	.173	.00041	.094	.00031	.00014	.175	.00011
%RSD	.44077	1.4994	.62595	.85105	.36088	.43075	.59569	.27724	.24234	.20857
#1	.05295	.05090	1.0467	20.238	.11303	21.848	.05176	.05068	72.204	.05252
#2	.05328	.05199	1.0560	20.483	.11245	21.982	.05220	.05048	71.957	.05236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1379**	**.09972**	**24.131**	**.09913**	**.20723**	**5.2777**	**11.294**	**.10055**	**.51602**	**.20395**
Stddev	.0077	.00256	.094	.00139	.00049	.0546	.117	.00114	.00308	.00047
%RSD	.35990	2.5646	.38996	1.4017	.23418	1.0355	1.0355	1.1358	.59700	.23094
#1	2.1324	.09791	24.064	.09815	.20688	5.2391	11.212	.09974	.51385	.20362
#2	2.1433	.10153	24.197	.10012	.20757	5.3164	11.377	.10135	.51820	.20428
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04982**	**.20098**	**.79670**	**.05196**	**.21590**	**.04646**
Stddev	.00020	.00063	.05234	.00060	.00104	.00088
%RSD	.39145	.31487	6.5702	1.1518	.48231	1.8837
#1	.04995	.20143	.83371	.05154	.21516	.04585
#2	.04968	.20053	.75969	.05238	.21663	.04708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.6**	**78501.**	**6475.1**
Stddev	1.9	167.	68.1
%RSD	.02727	.21238	1.0516
#1	6884.3	78383.	6523.3
#2	6886.9	78619.	6427.0

Sample Name: 280-48651-b-6-c Acquired: 11/14/2013 16:43:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**6.8056**	**.00311**	**.03030**	**.14462**	**.00059**	**.00109**	**38.665**	**.00731**	**.01298**
Stddev	.00004	.0392	.00151	.00022	.00025	.00001	.00126	.072	.00033	.00007
%RSD	7.6933	.57557	48.714	.72817	.17425	1.7617	115.70	.18573	4.5332	.55621
#1	-.00054	6.7780	.00204	.03046	.14445	.00059	.00020	38.614	.00708	.01303
#2	-.00061	6.8333	.00417	.03015	.14480	.00058	.00198	38.715	.00755	.01293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00594**	**.03759**	**3.7551**	**5.3261**	**.03378**	**6.1222**	**.35529**	**.00072**	**5.0663**	**.03823**
Stddev	.00001	.00033	.0171	.0402	.00145	.0190	.00093	.00007	.0177	.00020
%RSD	.10475	.88426	.45602	.75541	4.2853	.31050	.26313	9.2425	.34853	.53616
#1	.00594	.03735	3.7430	5.2976	.03276	6.1356	.35595	.00067	5.0788	.03838
#2	.00593	.03782	3.7672	5.3545	.03481	6.1087	.35463	.00077	5.0538	.03809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6534**	**.01631**	**51.097**	**.00005**	**.00144**	**9.1201**	**19.517**	**-.00004**	**.15393**	**.00285**
Stddev	.0000	.00017	.014	.00054	.00220	.0926	.198	.00095	.00008	.00054
%RSD	.00008	1.0570	.02693	1008.1	152.46	1.0153	1.0153	2166.6	.05181	18.889
#1	1.6534	.01619	51.088	.00044	-.00011	9.0546	19.377	.00063	.15399	.00323
#2	1.6533	.01643	51.107	-.00033	.00300	9.1856	19.657	-.00071	.15387	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07409**	**.00081**	W **-.05595**	**.01012**	**4.9418**	**.00045**
Stddev	.00010	.00131	.01960	.00063	.0209	.00013
%RSD	.13235	161.18	35.037	6.2627	.42310	28.665
#1	.07402	.00174	-.04209	.00967	4.9566	.00036
#2	.07416	-.00011	-.06982	.01057	4.9270	.00054
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.9**	**80519.**	**6656.4**
Stddev	1.6	88.	71.6
%RSD	.02263	.10882	1.0752
#1	7012.7	80457.	6707.0
#2	7015.0	80581.	6605.8

Sample Name: 280-48651-b-7-c Acquired: 11/14/2013 16:46:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.00432**	**-.00129**	**.00085**	**.00005**	**.00003**	**.00217**	**.02571**	**-.00008**	**-.00014**
Stddev	.00021	.00013	.00021	.00050	.00022	.00000	.00071	.00581	.00010	.00014
%RSD	25.382	2.9401	16.727	59.075	403.29	2.8355	32.748	22.603	126.08	97.174
#1	-.00096	.00441	-.00113	.00120	-.00010	.00003	.00267	.02982	-.00001	-.00004
#2	-.00067	.00423	-.00144	.00049	.00021	.00003	.00167	.02160	-.00015	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00009**	**.00339**	**.03754**	**.00033**	**.00637**	**.00020**	**-.00028**	**.02721**	**.00005**
Stddev	.00009	.00021	.00328	.00712	.00124	.00032	.00001	.00002	.01514	.00005
%RSD	647.20	223.71	96.751	18.967	378.40	5.0802	4.8948	8.3345	55.644	86.108
#1	.00008	.00024	.00571	.04258	.00121	.00659	.00019	-.00030	.03792	.00009
#2	-.00005	-.00005	.00107	.03251	-.00055	.00614	.00021	-.00027	.01651	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**-.00111**	**.01141**	**-.00041**	**-.00052**	**.01056**	**.02261**	**-.00067**	**.00007**	**.00158**
Stddev	.00138	.00110	.00046	.00129	.00340	.02133	.04565	.00060	.00009	.00268
%RSD	71.215	99.174	4.0090	314.14	649.68	201.94	201.94	90.257	119.46	170.15
#1	.00292	-.00033	.01174	-.00132	-.00293	-.00452	-.00967	-.00024	.00014	.00347
#2	.00096	-.00188	.01109	.00050	.00188	.02565	.05489	-.00109	.00001	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00066**	**-.00148**	**-.00016**	**.00447**	**-.00060**
Stddev	.00054	.00103	.03429	.00021	.00013	.00027
%RSD	415.34	156.19	2323.6	129.40	3.0032	45.537
#1	-.00025	-.00007	-.02573	-.00001	.00457	-.00041
#2	.00051	.00139	.02277	-.00031	.00438	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.4**	**82099.**	**6557.8**
Stddev	13.4	94.	69.3
%RSD	.18860	.11455	1.0573
#1	7139.0	82032.	6508.7
#2	7119.9	82165.	6606.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 16:48:34 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00285**	**50.195**	**.00116**	**.00111**	**.00049**	**.00000**	**1.0322**	**.01685**	**.00057**	**-.00101**	**.00026**	**-.00348**	**50.738**
Stddev	.00023	.162	.00305	.00023	.00016	.0000	.0015	.00473	.00022	.00015	.00014	.00040	.194
%RSD	8.0200	.32291	261.56	20.372	31.934	189.74	.14183	28.094	38.025	15.187	53.804	11.491	.38177
#1	-.00269	50.081	.00332	.00095	.00038	.00000	1.0332	.01350	.00041	-.00112	.00016	-.00376	50.875
#2	-.00302	50.310	-.00099	.00127	.00060	-.00001	1.0312	.02019	.00072	-.00090	.00036	-.00320	50.601
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04561**	**.00238**	**.07673**	**.00001**	**.00030**	**251.49**	**-.00069**	**.00430**	**-.00229**	**5.0571**	**.00152**	**-.00720**	**-.00606**
Stddev	.00244	.00098	.00477	.00008	.00006	.24	.00050	.00047	.00105	.0139	.00341	.00000	.00112
%RSD	5.3515	41.062	6.2169	1089.7	20.904	.09649	72.666	10.979	46.022	.27429	224.49	.02471	18.445
#1	.04734	.00307	.08011	.00007	.00026	251.32	-.00034	.00396	-.00304	5.0669	.00393	-.00720	-.00685
#2	.04389	.00169	.07336	-.00005	.00035	251.66	-.00105	.00463	-.00154	5.0473	-.00089	-.00720	-.00527
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01297**	**.00053**	**.00004**	**5.0277**	**.00875**	**.00235**	F **7.8769**	**.00010**	**.00207**	**-.05820**
Stddev	.00239	.00010	.00008	.0068	.00037	.00074	.0377	.00001	.00079	.00016
%RSD	18.445	18.574	215.59	.13552	4.2121	31.398	.47815	6.3519	37.999	.28296
#1	-.01466	.00046	-.00002	5.0229	.00849	.00287	7.8503	.00010	.00262	-.05808
#2	-.01128	.00060	.00009	5.0325	.00901	.00183	7.9035	.00011	.00151	-.05831
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6962.5**	**79274.**	**6682.7**
Stddev	1.9	87.	27.8
%RSD	.02668	.10932	.41656
#1	6961.2	79213.	6663.0
#2	6963.8	79336.	6702.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 16:50:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50919**	**.51900**	**1.0062**	**.50554**	**.50213**	**.49322**	**-.01193**	**4.9356**	**.49658**	**.50605**	**.51402**	**.50262**	**2.5566**
Stddev	.00279	.00097	.0029	.00120	.00146	.00008	.00203	.0048	.00117	.00093	.00107	.00019	.0027
%RSD	.54854	.18625	.29326	.23727	.29110	.01634	17.013	.09793	.23609	.18449	.20816	.03751	.10699
#1	.51117	.51969	1.0041	.50469	.50317	.49316	-.01337	4.9390	.49575	.50539	.51327	.50275	2.5586
#2	.50722	.51832	1.0083	.50639	.50110	.49327	-.01050	4.9322	.49741	.50671	.51478	.50248	2.5547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.172**	**.98355**	**19.850**	**.49596**	**.51285**	**5.1028**	**.51615**	**1.0081**	**.99725**	**-.00071**	**1.0151**	**1.0068**	**5.0361**
Stddev	.053	.00420	.099	.00133	.00298	.0453	.00046	.0093	.00719	.00026	.0082	.0149	.0121
%RSD	.10803	.42736	.49675	.26802	.58131	.88751	.08998	.92382	.72109	37.102	.80804	1.4763	.23953
#1	49.134	.98652	19.920	.49690	.51075	5.1348	.51582	1.0016	.99216	-.00089	1.0093	.99630	5.0275
#2	49.209	.98058	19.780	.49502	.51496	5.0708	.51648	1.0147	1.0023	-.00052	1.0209	1.0173	5.0446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.777**	**1.0162**	**.49779**	**.00301**	**.49963**	**1.0115**	**-.01841**	**.49245**	**.50019**	**.49964**
Stddev	.026	.0082	.00111	.00140	.00060	.0075	.01631	.00014	.00056	.00143
%RSD	.23953	.81034	.22267	46.449	.12037	.74050	88.609	.02793	.11194	.28638
#1	10.759	1.0104	.49858	.00400	.50006	1.0062	-.00688	.49235	.50059	.49863
#2	10.795	1.0220	.49701	.00202	.49921	1.0168	-.02995	.49255	.49980	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7055.7**	**81226.**	**6632.3**
Stddev	18.3	130.	45.6
%RSD	.25944	.16052	.68685
#1	7042.7	81134.	6600.1
#2	7068.6	81318.	6664.5

Sample Name: CCB Acquired: 11/14/2013 16:53:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00014**	**-.00213**	**.00135**	**.00023**	**.00005**	**.00304**	**-.00036**	**.00006**	**.00010**	**.00000**	**-.00056**
Stddev	.00037	.00056	.00047	.00015	.00006	.00005	.00274	.00384	.00004	.00023	.00003	.00012
%RSD	1319.5	389.97	21.908	11.266	26.497	99.386	90.210	1052.8	69.289	226.91	9835.4	20.895
#1	.00024	.00054	-.00246	.00146	.00028	.00002	.00110	-.00308	.00009	.00026	.00002	-.00048
#2	-.00029	-.00025	-.00180	.00124	.00019	.00009	.00497	.00235	.00003	-.00006	-.00002	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00243**	**.07106**	**.00040**	**.00133**	**.00007**	**.00021**	**.03109**	**.00010**	**-.00012**	**-.00067**	**.00082**	W **.00536**
Stddev	.00062	.04341	.00063	.00024	.00006	.00029	.00891	.00024	.00126	.00073	.00032	.00159
%RSD	25.407	61.090	156.02	18.190	95.563	134.28	28.661	249.40	1076.2	108.73	39.001	29.702
#1	-.00199	.10175	.00085	.00116	.00002	.00001	.02479	.00027	.00077	-.00016	.00104	.00648
#2	-.00287	.04036	-.00004	.00150	.00011	.00042	.03739	-.00007	-.00101	-.00119	.00059	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.01300**	**.02783**	**-.00048**	**-.00007**	**.00140**	**.00010**	**.00056**	F **-.06464**	**.00020**	**.00256**	**-.00105**
Stddev	.00196	.01014	.02169	.00037	.00013	.00055	.00008	.00069	.02268	.00018	.00012	.00063
%RSD	154.81	77.957	77.957	76.045	190.33	39.140	79.324	124.38	35.086	89.334	4.7974	60.256
#1	-.00012	.00584	.01249	-.00022	.00002	.00101	.00015	.00105	-.04860	.00033	.00248	-.00150
#2	.00265	.02017	.04317	-.00074	-.00016	.00179	.00004	.00007	-.08067	.00007	.00265	-.00060
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7127.6**	**82015.**	**6644.9**
Stddev	13.7	133.	32.6
%RSD	.19268	.16230	.48985
#1	7137.3	82109.	6667.9
#2	7117.9	81921.	6621.8

Sample Name: CCVL-2379751 Acquired: 11/14/2013 17:01:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01056**	**.10823**	**.01367**	**.09865**	**.01023**	**.00104**	**.11440**	**.21994**	**.00500**	**.01050**	**.01054**	**.01529**	**.10105**
Stddev	.00019	.00042	.00066	.00076	.00018	.00006	.00034	.00104	.00013	.00012	.00008	.00020	.00274
%RSD	1.7620	.38430	4.8576	.77466	1.7245	6.1660	.29496	.47406	2.6050	1.0993	.80380	1.3288	2.7139
#1	.01069	.10794	.01320	.09919	.01011	.00109	.11464	.22068	.00491	.01042	.01048	.01515	.09911
#2	.01043	.10853	.01414	.09811	.01036	.00100	.11416	.21921	.00509	.01058	.01060	.01544	.10298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0072**	**.01207**	**.20732**	**.01021**	**.01961**	**1.0531**	**.04253**	**2.8927**	**.00801**	**.00308**	**.00996**	**.01525**	**.49885**
Stddev	.0245	.00067	.00004	.00006	.00013	.0012	.00018	.0028	.00103	.00057	.00117	.00119	.02783
%RSD	.81498	5.5599	.02148	.58936	.63761	.11145	.43174	.09659	12.805	18.614	11.788	7.8109	5.5779
#1	2.9899	.01255	.20729	.01016	.01953	1.0539	.04240	2.8907	.00874	.00348	.00913	.01609	.47918
#2	3.0245	.01160	.20735	.01025	.01970	1.0523	.04266	2.8947	.00729	.00267	.01079	.01441	.51853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0675**	**.10126**	**.00996**	**.01589**	**.00983**	**.01672**	F **.09078**	**.00959**	**.02522**	**.01157**
Stddev	.0595	.00060	.00004	.00288	.00025	.00037	.04871	.00020	.00117	.00057
%RSD	5.5779	.59666	.44864	18.147	2.5011	2.2012	53.654	2.0840	4.6284	4.9351
#1	1.0254	.10168	.00999	.01792	.01000	.01646	.05634	.00973	.02439	.01198
#2	1.1097	.10083	.00993	.01385	.00966	.01698	.12522	.00945	.02604	.01117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7202.3**	**83690.**	**6741.5**
Stddev	12.9	314.	5.6
%RSD	.17933	.37569	.08332
#1	7211.5	83912.	6745.5
#2	7193.2	83467.	6737.5

Sample Name: mb 280-199600/1-a Acquired: 11/14/2013 17:05:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00739**	**-.00204**	**.00772**	**.00025**	**.00001**	**.00312**	**.03452**	**-.00004**	**-.00005**
Stddev	.00047	.00016	.00336	.00033	.00013	.00000	.00114	.00115	.00016	.00007
%RSD	69.227	2.1791	165.18	4.2467	49.812	12.065	36.678	3.3253	401.67	124.17
#1	-.00101	.00750	.00034	.00749	.00016	.00001	.00393	.03534	-.00015	-.00010
#2	-.00034	.00728	-.00441	.00795	.00034	.00001	.00231	.03371	.00007	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00063**	**.01391**	**.10071**	**.00207**	**.00801**	**.00029**	**-.00010**	**.06682**	**.00045**
Stddev	.00003	.00030	.00158	.04055	.00006	.00144	.00003	.00006	.02597	.00007
%RSD	19.038	46.823	11.370	40.266	2.9909	17.941	10.769	56.272	38.866	16.196
#1	.00020	.00084	.01280	.07203	.00203	.00903	.00032	-.00006	.08518	.00039
#2	.00015	.00042	.01503	.12938	.00212	.00700	.00027	-.00015	.04846	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**-.00049**	**.00852**	**-.00005**	**.00052**	**.05089**	**.10890**	**.00275**	**-.00005**	**.00085**
Stddev	.00042	.00008	.00036	.00188	.00099	.00798	.01708	.00006	.00002	.00053
%RSD	14.842	16.337	4.2448	4002.3	188.66	15.681	15.681	2.1865	33.256	62.582
#1	.00309	-.00043	.00827	.00128	.00122	.04525	.09683	.00271	-.00006	.00123
#2	.00251	-.00054	.00878	-.00138	-.00018	.05653	.12098	.00280	-.00004	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00054**	**-.01839**	**.00025**	**.00503**	**-.00073**
Stddev	.00007	.00005	.02409	.00011	.00040	.00017
%RSD	14.999	8.5888	131.02	43.283	7.8762	23.708
#1	.00043	.00051	-.00135	.00033	.00475	-.00085
#2	.00053	.00058	-.03542	.00017	.00531	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7229.9**	**84332.**	**6763.1**
Stddev	19.2	566.	.6
%RSD	.26495	.67135	.00909
#1	7243.4	84733.	6763.5
#2	7216.3	83932.	6762.7

Sample Name: lcs 280-199600/2-a Acquired: 11/14/2013 17:07:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04793**	**1.9539**	**.98217**	F **1.1653**	**1.9606**	**.04825**	**2.0133**	**47.062**	**.09725**	**.48014**
Stddev	.00045	.0008	.00169	.0028	.0040	.00061	.0008	.001	.00010	.00115
%RSD	.93581	.03898	.17243	.23777	.20347	1.2550	.04122	.00267	.10008	.23891
#1	.04761	1.9533	.98098	1.1633	1.9578	.04783	2.0139	47.063	.09718	.48095
#2	.04824	1.9544	.98337	1.1673	1.9634	.04868	2.0127	47.061	.09732	.47933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20049**	**.24571**	**.99449**	**48.631**	**.97454**	**47.757**	**.47549**	**.99116**	**50.684**	**.48887**
Stddev	.00045	.00077	.01203	.037	.00241	.013	.00029	.00130	.098	.00005
%RSD	.22504	.31215	1.2095	.07647	.24720	.02751	.06034	.13130	.19248	.01049
#1	.20017	.24625	.98599	48.605	.97284	47.748	.47569	.99208	50.615	.48884
#2	.20081	.24517	1.0030	48.657	.97625	47.766	.47529	.99024	50.753	.48891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9385**	**.47180**	**.00701**	**.49187**	**1.9504**	**1.7196**	**3.6799**	**1.9486**	**.97365**	**.96192**
Stddev	.0108	.00012	.00662	.00750	.0034	.0116	.0249	.0048	.00108	.00036
%RSD	.10837	.02464	94.466	1.5241	.17410	.67665	.67665	.24632	.11129	.03699
#1	9.9309	.47189	.01168	.48657	1.9480	1.7113	3.6623	1.9452	.97288	.96167
#2	9.9461	.47172	.00233	.49717	1.9528	1.7278	3.6975	1.9520	.97442	.96218
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97568**	**1.8907**	F **3.0895**	**.47970**	**.47325**	**.48048**
Stddev	.00090	.0026	.0006	.00206	.00130	.00079
%RSD	.09198	.13628	.02022	.43020	.27514	.16398
#1	.97631	1.8889	3.0899	.48115	.47233	.47992
#2	.97505	1.8925	3.0890	.47824	.47417	.48103
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.9**	**80125.**	**6652.3**
Stddev	7.9	66.	3.7
%RSD	.11466	.08294	.05609
#1	6907.2	80172.	6649.7
#2	6918.5	80078.	6655.0

Sample Name: 280-48651-a-1-a Acquired: 11/14/2013 17:09:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**64.445**	**.00098**	**.02020**	**.16961**	**.00200**	**-.01170**	**4.6388**	**.00257**	**.02534**
Stddev	.00010	.046	.00050	.00010	.00009	.00001	.00055	.0175	.00005	.00034
%RSD	13.891	.07137	50.608	.51692	.05390	.69351	4.7320	.37713	1.7869	1.3590
#1	-.00068	64.477	.00063	.02027	.16954	.00199	-.01131	4.6265	.00261	.02558
#2	-.00083	64.412	.00133	.02012	.16967	.00201	-.01210	4.6512	.00254	.02510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06496**	**.04383**	**71.223**	**7.2334**	**.12207**	**20.460**	**.56849**	**.00088**	**.22252**	**.08466**
Stddev	.00005	.00033	.347	.0009	.00037	.072	.00043	.00008	.00111	.00005
%RSD	.06991	.76137	.48757	.01273	.30236	.35037	.07495	9.1535	.49760	.05637
#1	.06499	.04360	70.978	7.2327	.12233	20.409	.56819	.00094	.22331	.08463
#2	.06493	.04407	71.469	7.2340	.12181	20.510	.56879	.00083	.22174	.08470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1673**	**.05867**	**.71197**	**.00276**	**-.00147**	**3.0824**	**6.5962**	**.00521**	**.02265**	**.01169**
Stddev	.0044	.00009	.00117	.00142	.00272	.0471	.1008	.00017	.00032	.00054
%RSD	.20410	.14762	.16393	51.320	185.39	1.5287	1.5287	3.1767	1.3961	4.5838
#1	2.1704	.05873	.71279	.00176	-.00339	3.0490	6.5249	.00509	.02243	.01131
#2	2.1642	.05860	.71114	.00376	.00046	3.1157	6.6675	.00533	.02288	.01207
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30435**	**.00011**	F **-.12157**	**.07480**	**.93852**	**.00886**
Stddev	.00022	.00008	.03064	.00012	.00298	.00053
%RSD	.07336	72.089	25.202	.16002	.31799	5.9416
#1	.30451	.00005	-.09990	.07489	.93641	.00848
#2	.30419	.00016	-.14323	.07472	.94063	.00923
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7368.4**	**83550.**	**7067.6**
Stddev	4.3	142.	25.1
%RSD	.05890	.16949	.35523
#1	7365.4	83650.	7049.8
#2	7371.5	83450.	7085.3

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/14/2013 17:12:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**13.313**	**-.00278**	**.00456**	**.03508**	**.00034**	**-.00062**	**.96287**	**.00056**	**.00525**
Stddev	.00039	.053	.00056	.00024	.00012	.00003	.00093	.00558	.00009	.00003
%RSD	147.62	.39787	20.119	5.3686	.34564	8.3407	151.36	.57924	16.603	.56844
#1	-.00054	13.276	-.00239	.00439	.03500	.00036	.00004	.96681	.00049	.00523
#2	.00001	13.351	-.00318	.00473	.03517	.00032	-.00128	.95892	.00062	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01312**	**.00855**	**14.330**	**1.4921**	**.02586**	**4.1880**	**.11575**	**-.00006**	**.06004**	**.01740**
Stddev	.00010	.00013	.007	.0031	.00093	.0224	.00008	.00004	.00808	.00012
%RSD	.73898	1.5235	.04639	.20533	3.6146	.53474	.06891	73.898	13.461	.68100
#1	.01306	.00846	14.325	1.4899	.02653	4.1721	.11569	-.00009	.05433	.01732
#2	.01319	.00864	14.335	1.4943	.02520	4.2038	.11580	-.00003	.06576	.01749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43842**	**.01175**	**.14475**	**-.00039**	**-.00108**	**.65252**	**1.3964**	**.00270**	**.00461**	**.00500**
Stddev	.00072	.00022	.00159	.00057	.00146	.00402	.0086	.00025	.00005	.00028
%RSD	.16422	1.8710	1.1002	147.79	134.76	.61584	.61584	9.2070	.97749	5.5772
#1	.43792	.01160	.14587	-.00079	-.00211	.64968	1.3903	.00252	.00464	.00480
#2	.43893	.01191	.14362	.00002	-.00005	.65537	1.4025	.00287	.00458	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06215**	**.00011**	W **-.07767**	**.01524**	**.19729**	**.00150**
Stddev	.00031	.00025	.03571	.00072	.00039	.00192
%RSD	.49423	224.30	45.980	4.7465	.19894	127.71
#1	.06237	.00029	-.05242	.01472	.19702	.00286
#2	.06193	-.00007	-.10292	.01575	.19757	.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7197.1**	**82037.**	**6752.2**
Stddev	12.9	337.	.4
%RSD	.17910	.41087	.00560
#1	7188.0	82275.	6752.0
#2	7206.2	81799.	6752.5

Sample Name: 280-48651-a-1-b ms Acquired: 11/14/2013 17:14:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04831	107.61	.95445	.98458	2.1846	.04890	F 1.9495	49.984	.09739	.49077
Stddev	.00071	.01	.00198	.00034	.0034	.00023	.0015	.051	.00009	.00026
%RSD	1.4608	.01199	.20744	.03408	.15502	.47794	.07631	.10140	.09724	.05358
#1	.04881	107.62	.95305	.98482	2.1822	.04873	1.9505	49.948	.09745	.49096
#2	.04781	107.61	.95585	.98435	2.1870	.04906	1.9484	50.020	.09732	.49059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29663	.29440	79.683	67.244	1.1048	73.264	1.0604	.94426	49.431	.56382
Stddev	.00060	.00012	.041	.040	.0008	.263	.0031	.00172	.237	.00009
%RSD	.20114	.04104	.05135	.05931	.07509	.35863	.29262	.18186	.48004	.01525
#1	.29705	.29431	79.712	67.216	1.1054	73.449	1.0626	.94548	49.599	.56388
#2	.29621	.29448	79.654	67.272	1.1042	73.078	1.0582	.94305	49.263	.56376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.608	.49305	.87353	.27906	1.9102	7.0492	15.085	1.8135	.98888	.90519
Stddev	.001	.00063	.00410	.00122	.0140	.0306	.065	.0054	.00200	.00520
%RSD	.00528	.12866	.46987	.43793	.73491	.43372	.43372	.29931	.20189	.57421
#1	11.608	.49260	.87063	.27992	1.9201	7.0276	15.039	1.8174	.98747	.90887
#2	11.608	.49350	.87643	.27820	1.9003	7.0708	15.132	1.8097	.99029	.90152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4755	1.7850	2.9816	.62400	1.3577	.39305
Stddev	.0005	.0067	.0161	.00139	.0037	.00249
%RSD	.03214	.37419	.53885	.22214	.26918	.63289
#1	1.4752	1.7897	2.9929	.62498	1.3603	.39129
#2	1.4758	1.7802	2.9702	.62302	1.3551	.39481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7130.1	80052.	6899.1
Stddev	1.5	163.	7.2
%RSD	.02122	.20337	.10398
#1	7129.0	79937.	6894.1
#2	7131.1	80167.	6904.2

Sample Name: 280-48651-a-1-c msd Acquired: 11/14/2013 17:16:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04787**	**96.608**	**.95675**	**.98158**	**2.1470**	**.04856**	F **1.9326**	**49.232**	**.09682**	**.48483**
Stddev	.00008	.021	.00658	.00394	.0047	.00015	.0086	.175	.00019	.00060
%RSD	.17642	.02224	.68825	.40138	.22043	.31830	.44723	.35480	.19286	.12443
#1	.04781	96.593	.96141	.98437	2.1436	.04846	1.9387	49.108	.09695	.48526
#2	.04793	96.623	.95209	.97880	2.1503	.04867	1.9265	49.355	.09669	.48440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28530**	**.28439**	**67.684**	**64.853**	**1.0890**	**70.321**	**.99227**	**.94674**	**49.066**	**.54824**
Stddev	.00021	.00017	.232	.183	.0031	.166	.00130	.00082	.277	.00077
%RSD	.07225	.05982	.34278	.28229	.28847	.23611	.13149	.08676	.56368	.13987
#1	.28516	.28427	67.520	64.724	1.0868	70.438	.99319	.94732	49.262	.54878
#2	.28545	.28451	67.848	64.983	1.0912	70.203	.99135	.94616	48.871	.54769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.232**	**.47548**	**.79807**	**.28855**	**1.8940**	**6.2186**	**13.308**	**1.8163**	**.97885**	**.90289**
Stddev	.032	.00120	.00717	.00038	.0145	.0119	.025	.0078	.00273	.00142
%RSD	.28560	.25141	.89784	.13004	.76520	.19106	.19106	.42915	.27908	.15713
#1	11.255	.47632	.80313	.28882	1.9042	6.2270	13.326	1.8218	.97692	.90389
#2	11.210	.47463	.79300	.28829	1.8837	6.2102	13.290	1.8108	.98078	.90189
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4498**	**1.7808**	**3.0138**	**.60638**	**1.2180**	**.39870**
Stddev	.0071	.0110	.0403	.00001	.0049	.00118
%RSD	.48931	.61936	1.3368	.00198	.39781	.29477
#1	1.4549	1.7886	3.0423	.60637	1.2215	.39787
#2	1.4448	1.7730	2.9853	.60639	1.2146	.39953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7076.2**	**79975.**	**6881.8**
Stddev	65.5	106.	60.3
%RSD	.92621	.13253	.87682
#1	7122.6	79900.	6924.4
#2	7029.9	80050.	6839.1

Sample Name: 280-48651-a-1-aPDS Acquired: 11/14/2013 17:18:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04752**	**64.226**	**.20220**	**.11593**	**.26548**	**.04950**	**-.01018**	**23.640**	**.05171**	**.07337**
Stddev	.00004	.406	.00045	.00016	.00001	.00019	.00026	.103	.00046	.00053
%RSD	.08262	.63274	.22447	.13753	.00199	.39216	2.5628	.43706	.89396	.72046
#1	.04755	63.939	.20188	.11604	.26548	.04936	-.01036	23.567	.05138	.07300
#2	.04749	64.513	.20253	.11582	.26548	.04963	-.00999	23.713	.05204	.07375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11421**	**.09355**	**70.339**	**26.693**	**.21932**	**39.997**	**.60094**	**.04871**	**20.778**	**.13253**
Stddev	.00050	.00001	.684	.083	.00315	.121	.00193	.00027	.140	.00028
%RSD	.43461	.01354	.97191	.31227	1.4375	.30274	.32188	.56310	.67595	.20803
#1	.11386	.09354	69.855	26.634	.21709	40.083	.60231	.04851	20.679	.13273
#2	.11456	.09356	70.822	26.752	.22155	39.912	.59957	.04890	20.878	.13234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1070**	**.15086**	**.69763**	**.09546**	**.19724**	**7.9558**	**17.025**	**.10025**	**.07212**	**.21107**
Stddev	.0165	.00341	.00293	.00128	.00333	.0959	.205	.00106	.00006	.00091
%RSD	.40076	2.2629	.41977	1.3433	1.6873	1.2057	1.2057	1.0524	.08944	.43197
#1	4.0953	.14845	.69556	.09455	.19959	7.8880	16.880	.10100	.07208	.21171
#2	4.1186	.15328	.69970	.09636	.19489	8.0236	17.171	.09950	.07217	.21042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35850**	**.19070**	**.68138**	**.12330**	**1.1191**	**.05423**
Stddev	.00211	.00122	.02514	.00036	.0047	.00071
%RSD	.58929	.63890	3.6889	.29438	.42236	1.3004
#1	.35701	.18984	.69915	.12355	1.1225	.05473
#2	.35999	.19156	.66361	.12304	1.1158	.05373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7193.4**	**80560.**	**6706.8**
Stddev	16.8	781.	59.7
%RSD	.23395	.96888	.89053
#1	7205.3	80008.	6749.0
#2	7181.5	81112.	6664.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 17:20:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00368**	**50.662**	**-.00180**	**.00275**	**.00081**	**.00000**	**1.0321**	**.03370**	**.00060**	**-.00104**	**.00026**	**-.00379**	**51.288**
Stddev	.00043	.125	.00190	.00053	.00023	.0001	.0035	.00478	.00013	.00005	.00026	.00004	.106
%RSD	11.823	.24761	106.09	19.442	28.648	64994.	.33917	14.180	22.447	4.3617	98.518	1.0200	.20762
#1	-.00337	50.573	-.00045	.00312	.00064	-.00008	1.0346	.03032	.00069	-.00101	.00045	-.00382	51.364
#2	-.00399	50.750	-.00314	.00237	.00097	.00008	1.0297	.03708	.00050	-.00107	.00008	-.00377	51.213
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13792**	**.00075**	**.10290**	**.00032**	**.00040**	**252.86**	**-.00096**	**.00540**	**-.00195**	**5.0495**	**.00243**	**-.00476**	**.00793**
Stddev	.01951	.00152	.00296	.00004	.00004	.18	.00012	.00103	.00080	.0061	.00118	.00171	.02559
%RSD	14.143	201.67	2.8807	12.060	10.787	.06925	12.025	19.117	41.191	.12109	48.586	35.896	322.67
#1	.12413	-.00032	.10499	.00035	.00037	252.74	-.00104	.00613	-.00138	5.0538	.00326	-.00355	.02603
#2	.15172	.00183	.10080	.00029	.00044	252.98	-.00088	.00467	-.00251	5.0451	.00159	-.00596	-.01016
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**-.00079**	**.00024**	**5.0106**	**.01008**	**.00224**	F **7.9672**	**.00013**	**.00249**	**-.05724**
Stddev	.05477	.00029	.00017	.0117	.00025	.00045	.0336	.00038	.00014	.00076
%RSD	322.67	37.218	70.882	.23346	2.5026	20.246	.42242	282.71	5.4250	1.3255
#1	.05570	-.00058	.00012	5.0024	.01025	.00256	7.9434	-.00013	.00239	-.05671
#2	-.02175	-.00099	.00035	5.0189	.00990	.00192	7.9909	.00040	.00259	-.05778
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6874.0**	**77894.**	**6450.8**
Stddev	21.2	286.	10.9
%RSD	.30893	.36652	.16947
#1	6889.1	78096.	6458.6
#2	6859.0	77692.	6443.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 17:23:24 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51279**	**.54275**	**1.0027**	**.50563**	**.50030**	**.48861**	**-.01152**	**4.9281**	**.49359**	**.50514**	**.51595**	**.49987**	**2.5811**
Stddev	.00149	.01554	.0051	.00181	.00007	.00085	.00129	.0376	.00167	.00286	.00188	.00107	.0054
%RSD	.29063	2.8626	.50425	.35802	.01404	.17480	11.234	.76197	.33868	.56592	.36346	.21322	.20851
#1	.51384	.55373	.99911	.50435	.50035	.48800	-.01244	4.9546	.49240	.50312	.51462	.49911	2.5849
#2	.51174	.53176	1.0063	.50691	.50025	.48921	-.01061	4.9015	.49477	.50716	.51727	.50062	2.5773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.852**	**.98403**	**20.134**	**.49862**	**.51591**	**5.1394**	**.51865**	**1.0136**	**.99695**	**-.00276**	**1.0127**	**1.0139**	**5.0306**
Stddev	.016	.00006	.092	.00112	.00285	.0118	.00190	.0050	.00399	.00271	.0018	.0069	.0089
%RSD	.03286	.00568	.45831	.22480	.55220	.23015	.36668	.49346	.39994	98.226	.17777	.67773	.17726
#1	48.864	.98406	20.199	.49942	.51390	5.1477	.51730	1.0100	.99413	-.00084	1.0115	1.0091	5.0369
#2	48.841	.98399	20.069	.49783	.51793	5.1310	.51999	1.0171	.99977	-.00468	1.0140	1.0188	5.0243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.765**	**1.0237**	**.49545**	**.00285**	**.50353**	**1.0090**	**-.01422**	**.49625**	**.50738**	**.49439**
Stddev	.019	.0022	.00067	.00024	.00107	.0028	.03585	.00078	.00302	.00232
%RSD	.17726	.21100	.13457	8.2751	.21328	.27439	252.07	.15730	.59589	.46984
#1	10.779	1.0222	.49498	.00301	.50429	1.0071	-.03958	.49680	.50952	.49603
#2	10.752	1.0252	.49593	.00268	.50277	1.0110	.01113	.49570	.50524	.49274
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6967.5**	**79368.**	**6546.1**
Stddev	53.5	240.	2.2
%RSD	.76733	.30270	.03401
#1	7005.3	79198.	6547.6
#2	6929.7	79538.	6544.5

Sample Name: CCB Acquired: 11/14/2013 17:25:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00280**	**-.00238**	**.00159**	**.00041**	**.00012**	**.00289**	**-.00130**	**-.00017**	**-.00010**	**-.00005**	**-.00019**	**.00057**
Stddev	.00003	.00064	.00111	.00060	.00020	.00001	.00012	.00311	.00014	.00000	.00010	.00062	.00240
%RSD	17.416	22.703	46.478	38.017	49.332	11.736	4.3067	238.92	81.573	.97062	199.92	324.52	422.10
#1	-.00013	.00325	-.00316	.00116	.00027	.00013	.00280	-.00350	-.00027	-.00010	-.00013	.00025	.00227
#2	-.00017	.00235	-.00160	.00202	.00055	.00011	.00298	.00090	-.00007	-.00010	.00002	-.00063	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11910**	**.00019**	**.01001**	**.00014**	**.00023**	**.03492**	**-.00021**	**-.00045**	**-.00017**	**-.00063**	F **.00674**	**.00108**	**.00094**
Stddev	.00883	.00053	.00119	.00007	.00020	.00845	.00044	.00127	.00029	.00086	.00125	.00214	.00135
%RSD	7.4126	279.50	11.904	47.568	87.077	24.214	211.60	280.47	168.67	135.59	18.524	197.30	144.74
#1	.12534	.00056	.01085	.00019	.00009	.04090	.00010	-.00135	.00003	-.00124	.00586	-.00043	.00189
#2	.11285	-.00018	.00917	.00009	.00038	.02894	-.00052	.00044	-.00038	-.00003	.00763	.00259	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**-.00034**	**.00011**	**.00396**	**.00006**	**.00103**	**-.01242**	**-.00053**	**.00255**	**-.00047**
Stddev	.00290	.00009	.00007	.00127	.00023	.00021	.00197	.00043	.00048	.00069
%RSD	144.74	26.938	60.192	32.081	359.87	20.071	15.843	81.629	18.917	146.78
#1	.00405	-.00027	.00016	.00485	.00023	.00088	-.01381	-.00083	.00220	.00002
#2	-.00005	-.00040	.00007	.00306	-.00010	.00117	-.01103	-.00022	.00289	-.00096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.4**	**80963.**	**6427.4**
Stddev	38.4	186.	42.0
%RSD	.55020	.23008	.65280
#1	7004.5	81094.	6457.1
#2	6950.2	80831.	6397.8

Sample Name: CCVL-2379751 Acquired: 11/14/2013 17:29:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00964**	**.11084**	**.01158**	**.09983**	**.01045**	**.00102**	**.11439**	**.21745**	**.00477**	**.01055**	**.01065**	**.01542**	**.10388**
Stddev	.00028	.00028	.00136	.00005	.00008	.00006	.00156	.00418	.00004	.00014	.00022	.00076	.00446
%RSD	2.9211	.25112	11.733	.05506	.73553	5.9017	1.3609	1.9242	.87875	1.3190	2.0798	4.9207	4.2925
#1	.00944	.11064	.01254	.09979	.01050	.00106	.11549	.22041	.00474	.01065	.01049	.01489	.10703
#2	.00984	.11103	.01062	.09987	.01040	.00098	.11329	.21449	.00480	.01045	.01080	.01596	.10072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9637**	**.01194**	**.21056**	**.01047**	**.02005**	**1.0667**	**.04309**	**2.9110**	**.00983**	**-.00081**	**.01148**	**.01898**	**.49373**
Stddev	.0092	.00319	.00458	.00012	.00014	.0022	.00005	.0043	.00047	.00121	.00030	.00235	.01196
%RSD	.30875	26.685	2.1733	1.1310	.70828	.21001	.11341	.14630	4.7906	149.38	2.6103	12.384	2.4225
#1	2.9572	.00969	.20732	.01055	.01995	1.0683	.04312	2.9080	.00949	-.00167	.01169	.02064	.50219
#2	2.9701	.01420	.21380	.01039	.02015	1.0652	.04305	2.9140	.01016	.00005	.01126	.01732	.48527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0566**	**.10259**	**.00990**	**.01727**	**.00972**	**.01633**	**.06626**	**.00963**	**.02498**	**.01236**
Stddev	.0256	.00063	.00004	.00095	.00015	.00061	.00196	.00038	.00017	.00127
%RSD	2.4225	.61665	.35767	5.4848	1.5688	3.7550	2.9535	3.9276	.67790	10.240
#1	1.0747	.10304	.00987	.01660	.00983	.01589	.06488	.00936	.02486	.01146
#2	1.0385	.10214	.00992	.01794	.00961	.01676	.06765	.00990	.02509	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.6**	**81064.**	**6467.9**
Stddev	19.8	98.	6.9
%RSD	.28067	.12115	.10641
#1	7039.6	80994.	6472.8
#2	7067.6	81133.	6463.0

Sample Name: 280-48651-a-2-a Acquired: 11/14/2013 17:39:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**67.508**	**.00703**	**.01657**	**.14417**	**.00237**	**-.01612**	**4.3054**	**.00121**	**.02755**
Stddev	.00005	.045	.00027	.00008	.00114	.00002	.00003	.0032	.00005	.00004
%RSD	8.3283	.06694	3.8502	.45350	.79256	.92724	.19588	.07382	3.9372	.15808
#1	-.00054	67.540	.00684	.01663	.14498	.00236	-.01610	4.3031	.00124	.02752
#2	-.00061	67.476	.00722	.01652	.14337	.00239	-.01614	4.3076	.00118	.02758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06825**	**.04818**	**80.471**	**7.2257**	**.12230**	**22.453**	**.59518**	**.00057**	**.29918**	**.09303**
Stddev	.00005	.00023	.239	.0023	.00154	.023	.00093	.00003	.02224	.00000
%RSD	.06935	.47047	.29756	.03203	1.2575	.10411	.15587	6.0049	7.4344	.00181
#1	.06828	.04834	80.640	7.2240	.12121	22.470	.59453	.00055	.28345	.09303
#2	.06821	.04802	80.302	7.2273	.12338	22.437	.59584	.00059	.31490	.09303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5766**	**.02391**	**.97174**	**.00129**	**.00080**	**3.1733**	**6.7909**	**.00475**	**.01801**	**.01534**
Stddev	.0059	.00001	.00173	.00043	.00385	.0206	.0440	.00020	.00008	.00126
%RSD	.22854	.04790	.17803	33.225	481.27	.64805	.64805	4.2352	.42024	8.1811
#1	2.5724	.02390	.97052	.00160	-.00192	3.1878	6.8220	.00461	.01806	.01623
#2	2.5808	.02392	.97297	.00099	.00352	3.1588	6.7597	.00489	.01795	.01445
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40662**	**-.00144**	F **-.10131**	**.08880**	**.29382**	**.01422**
Stddev	.00102	.00031	.04060	.00074	.00060	.00013
%RSD	.25159	21.268	40.073	.83275	.20483	.91723
#1	.40589	-.00165	-.13002	.08827	.29425	.01431
#2	.40734	-.00122	-.07260	.08932	.29340	.01413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7479.4**	**84479.**	**7055.8**
Stddev	5.6	327.	26.7
%RSD	.07512	.38670	.37876
#1	7475.5	84248.	7074.7
#2	7483.4	84710.	7036.9

Sample Name: 280-48651-a-3-a Acquired: 11/14/2013 17:42:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**45.127**	**.00353**	**.01315**	**.09192**	**.00155**	**-.00909**	**2.5177**	**.00112**	**.01668**
Stddev	.00030	.074	.00171	.00050	.00017	.00002	.00123	.0091	.00007	.00005
%RSD	32.917	.16487	48.289	3.7682	.18650	1.3234	13.500	.36052	6.1809	.31176
#1	-.00071	45.075	.00233	.01280	.09204	.00156	-.00996	2.5241	.00108	.01672
#2	-.00114	45.180	.00474	.01350	.09180	.00153	-.00822	2.5113	.00117	.01665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04548**	**.03574**	**52.249**	**5.8660**	**.08022**	**13.957**	**.37216**	**.00027**	**.17678**	**.05604**
Stddev	.00011	.00051	.085	.0969	.00057	.053	.00104	.00023	.00928	.00022
%RSD	.23111	1.4380	.16309	1.6518	.70931	.37684	.27814	84.680	5.2514	.38599
#1	.04556	.03538	52.309	5.9345	.08062	13.920	.37143	.00044	.18334	.05619
#2	.04541	.03610	52.189	5.7975	.07981	13.994	.37289	.00011	.17021	.05589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0130**	**.02038**	**.57810**	**-.00091**	**.00140**	**2.8163**	**6.0270**	**.00446**	**.01251**	**.00999**
Stddev	.0061	.00037	.00119	.00119	.00285	.0044	.0094	.00016	.00003	.00180
%RSD	.30294	1.8278	.20610	131.35	204.08	.15599	.15599	3.5182	.24251	18.030
#1	2.0087	.02064	.57894	-.00006	.00341	2.8195	6.0336	.00435	.01253	.01127
#2	2.0173	.02012	.57726	-.00175	-.00062	2.8132	6.0203	.00457	.01249	.00872
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29843**	**-.00020**	W **-.08644**	**.05640**	**.25611**	**.00854**
Stddev	.00812	.00161	.01442	.00094	.00101	.00137
%RSD	2.7203	807.06	16.685	1.6646	.39564	16.051
#1	.30417	-.00134	-.09664	.05573	.25539	.00757
#2	.29269	.00094	-.07624	.05706	.25682	.00951
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7393.7**	**83219.**	**6936.7**
Stddev	14.9	143.	5.1
%RSD	.20091	.17216	.07336
#1	7404.2	83321.	6940.3
#2	7383.2	83118.	6933.1

Sample Name: 280-48651-a-4-a Acquired: 11/14/2013 17:44:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**46.718**	**.00376**	**.01255**	**.11973**	**.00157**	**-.01010**	**3.6702**	**.00160**	**.01646**
Stddev	.00038	.069	.00000	.00029	.00033	.00006	.00193	.0386	.00007	.00010
%RSD	50.321	.14717	.11322	2.3118	.27620	3.6308	19.113	1.0527	4.3598	.60795
#1	-.00103	46.669	.00375	.01276	.11996	.00153	-.01147	3.6975	.00165	.01639
#2	-.00049	46.767	.00376	.01235	.11950	.00161	-.00874	3.6429	.00155	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04277**	**.02183**	**48.034**	**5.1227**	**.08803**	**13.541**	**.36019**	**.00013**	**.19105**	**.05293**
Stddev	.00012	.00015	.506	.0479	.00018	.055	.00070	.00010	.00041	.00028
%RSD	.27421	.69406	1.0533	.93592	.20967	.40619	.19511	74.793	.21402	.53125
#1	.04285	.02194	48.391	5.0888	.08790	13.502	.35969	.00006	.19134	.05273
#2	.04269	.02173	47.676	5.1566	.08816	13.580	.36068	.00021	.19076	.05313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9682**	**.03070**	**.67349**	**.00052**	**.00121**	**3.2360**	**6.9250**	**.00441**	**.01688**	**.00919**
Stddev	.0001	.00171	.00275	.00013	.00150	.0559	.1195	.00033	.00025	.00041
%RSD	.00354	5.5842	.40878	24.845	123.49	1.7263	1.7263	7.4703	1.5009	4.4767
#1	2.9681	.02949	.67544	.00043	.00015	3.2755	7.0095	.00417	.01706	.00890
#2	2.9683	.03191	.67155	.00061	.00227	3.1965	6.8405	.00464	.01670	.00948
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34836**	**-.00033**	**-.04435**	**.05173**	**.28767**	**.00971**
Stddev	.00028	.00043	.00668	.00047	.00044	.00224
%RSD	.08020	132.48	15.062	.91075	.15467	23.070
#1	.34817	-.00002	-.04907	.05207	.28735	.01130
#2	.34856	-.00063	-.03962	.05140	.28798	.00813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7371.0**	**83555.**	**6956.8**
Stddev	1.2	174.	33.8
%RSD	.01653	.20872	.48515
#1	7371.8	83679.	6980.6
#2	7370.1	83432.	6932.9

Sample Name: 280-48651-a-5-a Acquired: 11/14/2013 17:46:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**45.562**	**.01033**	**.01713**	**.16972**	**.00155**	**-.01673**	**13.986**	**.00413**	**.01850**
Stddev	.00001	.262	.00001	.00041	.00024	.00002	.00205	.054	.00000	.00010
%RSD	1.1598	.57603	.12582	2.4201	.13967	1.0738	12.264	.38770	.02558	.54807
#1	-.00083	45.377	.01034	.01683	.16989	.00154	-.01818	13.947	.00413	.01857
#2	-.00082	45.748	.01032	.01742	.16955	.00156	-.01528	14.024	.00413	.01843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05206**	**.11703**	**71.778**	**6.0487**	**.07797**	**14.362**	**.52244**	**.00123**	**.21999**	**.06718**
Stddev	.00007	.00080	.672	.0165	.00077	.062	.00142	.00009	.00510	.00030
%RSD	.13875	.68099	.93562	.27355	.98906	.43151	.27145	7.0254	2.3189	.44857
#1	.05201	.11760	71.303	6.0370	.07851	14.405	.52344	.00116	.22359	.06739
#2	.05211	.11647	72.253	6.0604	.07742	14.318	.52143	.00129	.21638	.06696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.7131**	**.21699**	**1.5686**	**.00105**	**.00009**	**3.4420**	**7.3658**	**.08068**	**.08228**	**.01208**
Stddev	.0102	.00049	.0025	.00202	.00008	.0190	.0406	.00095	.00052	.00106
%RSD	.17912	.22583	.15749	192.66	89.180	.55054	.55054	1.1783	.62713	8.7805
#1	5.7203	.21733	1.5703	-.00038	.00003	3.4286	7.3371	.08135	.08192	.01133
#2	5.7059	.21664	1.5668	.00247	.00015	3.4554	7.3945	.08000	.08265	.01283
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52265**	**-.00080**	W **-.09309**	**.07294**	**1.0619**	**.00826**
Stddev	.00472	.00016	.00779	.00025	.0049	.00138
%RSD	.90216	19.529	8.3685	.34589	.45733	16.695
#1	.52599	-.00091	-.09860	.07312	1.0653	.00923
#2	.51932	-.00069	-.08758	.07276	1.0585	.00728
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7374.9**	**83213.**	**6947.8**
Stddev	28.7	735.	56.3
%RSD	.38894	.88342	.80996
#1	7354.7	82693.	6987.6
#2	7395.2	83733.	6908.1

Sample Name: 280-48486-a-1-e Acquired: 11/14/2013 17:48:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**46.735**	**.03694**	**.02079**	**.21967**	**.00225**	**-.00922**	**107.72**	**.00137**	**.03739**
Stddev	.00002	.105	.00043	.00029	.00005	.00007	.00175	.03	.00008	.00024
%RSD	12.352	.22426	1.1635	1.3895	.02261	2.9404	18.999	.02975	5.8295	.64340
#1	-.00020	46.810	.03724	.02100	.21964	.00229	-.00798	107.74	.00131	.03756
#2	-.00017	46.661	.03663	.02059	.21971	.00220	-.01045	107.70	.00142	.03722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05824**	**.12622**	**105.00**	**6.8959**	**.08639**	**30.811**	**3.9265**	**.00196**	**.32067**	**.08068**
Stddev	.00038	.00106	.21	.0712	.00193	.130	.0623	.00006	.01101	.00002
%RSD	.65254	.84363	.19882	1.0320	2.2311	.42148	1.5858	2.9423	3.4327	.02706
#1	.05797	.12547	104.86	6.9462	.08502	30.719	3.8825	.00200	.32845	.08070
#2	.05850	.12697	105.15	6.8456	.08775	30.903	3.9706	.00192	.31288	.08067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3129**	**.04620**	**.75305**	**.00152**	**.00099**	**3.1449**	**6.7301**	**.00340**	**.17135**	**.01809**
Stddev	.0067	.00071	.00353	.00211	.00233	.0371	.0794	.00017	.00015	.00110
%RSD	.20211	1.5271	.46921	138.67	235.72	1.1795	1.1795	4.9378	.08596	6.0809
#1	3.3081	.04570	.75554	.00302	.00264	3.1711	6.7863	.00328	.17125	.01731
#2	3.3176	.04670	.75055	.00003	-.00066	3.1187	6.6740	.00352	.17146	.01887
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22431**	**-.00065**	F **-.10168**	**.08159**	**.27460**	**.01831**
Stddev	.00532	.00032	.02121	.00014	.00164	.00172
%RSD	2.3702	49.443	20.860	.17361	.59710	9.4052
#1	.22055	-.00043	-.11668	.08149	.27344	.01709
#2	.22807	-.00088	-.08668	.08169	.27576	.01952
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7376.5**	**83628.**	**7054.9**
Stddev	24.9	205.	32.9
%RSD	.33694	.24460	.46693
#1	7358.9	83773.	7031.6
#2	7394.1	83484.	7078.2

Sample Name: 280-48773-c-4-a@10 Acquired: 11/14/2013 17:51:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.01490**	**.00056**	**.11235**	**.00165**	**-.00006**	**.00341**	**5.2630**	**-.00027**	**-.00037**
Stddev	.00021	.00255	.00152	.00030	.00014	.00006	.00065	.0264	.00010	.00011
%RSD	164.40	17.110	271.81	.26477	8.2545	110.48	18.947	.50197	37.244	31.299
#1	-.00027	.01670	-.00052	.11256	.00175	-.00001	.00295	5.2444	-.00020	-.00029
#2	.00002	.01310	.00163	.11214	.00156	-.00010	.00386	5.2817	-.00034	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00022**	**.04617**	**.07906**	**.00505**	**1.1411**	**.01355**	**.00043**	**88.843**	**.00004**
Stddev	.00017	.00049	.00969	.04103	.00010	.0072	.00003	.00020	.060	.00008
%RSD	1072.0	221.79	20.997	51.896	1.9735	.62938	.19423	46.394	.06780	206.32
#1	.00011	-.00057	.03931	.10807	.00498	1.1360	.01356	.00029	88.885	-.00002
#2	-.00014	.00013	.05302	.05005	.00512	1.1462	.01353	.00057	88.800	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00232**	**.00001**	**29.570**	**-.00006**	**.00073**	**.46745**	**1.0003**	**.00205**	**.12926**	**.00337**
Stddev	.00041	.00133	.092	.00029	.00526	.00346	.0074	.00075	.00004	.00020
%RSD	17.828	16068.	.30967	455.98	717.83	.74062	.74062	36.419	.02918	6.0149
#1	.00203	-.00093	29.635	-.00027	-.00298	.46990	1.0056	.00257	.12924	.00322
#2	.00262	.00095	29.505	.00014	.00445	.46500	.99511	.00152	.12929	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00129**	**-.03321**	**.00043**	**.00564**	**-.00063**
Stddev	.00009	.00057	.02188	.00041	.00016	.00040
%RSD	42.260	43.840	65.899	96.018	2.8767	63.037
#1	-.00029	.00169	-.01773	.00014	.00553	-.00035
#2	-.00016	.00089	-.04868	.00072	.00576	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.7**	**79507.**	**6538.8**
Stddev	26.1	180.	10.4
%RSD	.37644	.22652	.15853
#1	6916.3	79379.	6546.2
#2	6953.2	79634.	6531.5

Sample Name: 280-48773-c-5-a@10 Acquired: 11/14/2013 17:53:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00750**	**-.00257**	**.17658**	**.00163**	**.00001**	**.00532**	**8.1462**	**-.00005**	**-.00037**
Stddev	.00064	.00001	.00118	.00042	.00019	.00010	.00063	.0583	.00031	.00008
%RSD	138.09	.19843	45.904	.23517	11.446	1549.1	11.785	.71559	678.36	20.852
#1	-.00001	.00751	-.00174	.17628	.00176	.00008	.00487	8.1874	.00018	-.00031
#2	-.00091	.00749	-.00340	.17687	.00150	-.00007	.00576	8.1050	-.00027	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00025**	**.01613**	**.09432**	**.00883**	**1.6294**	**.01535**	**.00073**	**118.07**	**.00013**
Stddev	.00003	.00036	.00085	.03613	.00112	.0030	.00000	.00018	.47	.00006
%RSD	64.779	148.10	5.2890	38.309	12.718	.18354	.03014	25.158	.39648	44.529
#1	-.00003	-.00001	.01673	.11987	.00803	1.6273	.01535	.00086	118.40	.00009
#2	-.00008	.00050	.01553	.06877	.00962	1.6316	.01536	.00060	117.74	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**-.00035**	**43.989**	**.00157**	**.00295**	**.57118**	**1.2223**	**.00170**	**.22598**	**.00095**
Stddev	.00101	.00089	.103	.00120	.00077	.00460	.0098	.00064	.00059	.00185
%RSD	29.796	253.45	.23401	76.339	26.053	.80570	.80570	37.763	.25954	195.58
#1	.00409	-.00098	43.916	.00072	.00241	.57443	1.2293	.00125	.22640	-.00036
#2	.00267	.00028	44.062	.00242	.00350	.56792	1.2154	.00215	.22557	.00225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00107**	**-.03683**	**.00060**	**.00515**	**-.00045**
Stddev	.00003	.00061	.00084	.00020	.00081	.00020
%RSD	15.585	56.976	2.2760	33.025	15.653	44.757
#1	.00018	.00064	-.03743	.00074	.00572	-.00031
#2	.00022	.00150	-.03624	.00046	.00458	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6891.5**	**78415.**	**6541.4**
Stddev	5.4	281.	42.6
%RSD	.07813	.35864	.65172
#1	6895.3	78216.	6511.2
#2	6887.7	78614.	6571.5

Sample Name: 280-48773-c-6-a@10 Acquired: 11/14/2013 17:56:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00594**	**.00008**	**.19657**	**.00111**	**.00005**	**.00343**	**2.9355**	**-.00029**	**-.00028**
Stddev	.00013	.00001	.00005	.00242	.00003	.00000	.00107	.0200	.00015	.00001
%RSD	21.636	.09093	59.996	1.2319	2.6884	4.1220	31.149	.68268	51.813	2.4072
#1	-.00068	.00594	.00005	.19828	.00109	.00005	.00268	2.9497	-.00040	-.00029
#2	-.00050	.00595	.00011	.19486	.00113	.00005	.00419	2.9213	-.00019	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00007**	**.01181**	**.10968**	**.02959**	**.55810**	**.00029**	**.00071**	**89.886**	**.00019**
Stddev	.00018	.00001	.00267	.02453	.00118	.00522	.00008	.00002	.322	.00003
%RSD	85.286	9.6147	22.652	22.369	3.9968	.93479	27.315	3.1864	.35810	18.311
#1	.00034	-.00008	.01370	.12703	.03043	.55441	.00034	.00070	89.658	.00021
#2	.00009	-.00007	.00992	.09233	.02875	.56179	.00023	.00073	90.113	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**-.00042**	**38.545**	**.00127**	**.00909**	**.39675**	**.84904**	**.00238**	**.20757**	**.00241**
Stddev	.00074	.00089	.070	.00339	.00393	.01098	.02349	.00030	.00086	.00061
%RSD	51.596	212.23	.18176	266.01	43.242	2.7665	2.7665	12.478	.41295	25.315
#1	.00092	-.00105	38.594	.00367	.00631	.40451	.86565	.00259	.20697	.00198
#2	.00197	.00021	38.495	-.00112	.01187	.38899	.83243	.00217	.20818	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00178**	W **-.05472**	**.00138**	**.00560**	**-.00120**
Stddev	.00013	.00058	.06692	.00033	.00009	.00111
%RSD	22.869	32.654	122.28	23.905	1.6119	92.884
#1	-.00047	.00137	-.00741	.00162	.00554	-.00199
#2	-.00065	.00219	-.10204	.00115	.00566	-.00041
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6920.8**	**79186.**	**6493.1**
Stddev	3.0	149.	4.4
%RSD	.04311	.18857	.06837
#1	6918.7	79291.	6496.2
#2	6922.9	79080.	6489.9

Sample Name: 280-48773-c-7-a@10 Acquired: 11/14/2013 17:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00669**	**-.00050**	**.15246**	**.00095**	**-.00004**	**.00376**	**2.1308**	**-.00035**	**-.00043**
Stddev	.00026	.00023	.00107	.00056	.00004	.00003	.00126	.0142	.00000	.00008
%RSD	68.612	3.3935	214.34	.36969	4.2378	68.866	33.463	.66780	.83968	18.280
#1	-.00057	.00685	.00026	.15206	.00092	-.00006	.00465	2.1208	-.00035	-.00038
#2	-.00020	.00653	-.00126	.15286	.00097	-.00002	.00287	2.1409	-.00035	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00004**	**.01038**	**.21066**	**.04768**	**.26543**	**.00022**	**-.00010**	**101.05**	**.00006**
Stddev	.00006	.00036	.00266	.00286	.00105	.00350	.00000	.00004	.09	.00024
%RSD	88.538	806.10	25.574	1.3597	2.2065	1.3180	1.4297	42.003	.08963	441.82
#1	-.00002	.00021	.00851	.20863	.04842	.26791	.00022	-.00007	101.12	.00023
#2	-.00010	-.00030	.01226	.21268	.04694	.26296	.00022	-.00013	100.99	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00003**	**35.329**	**.00129**	**.00632**	**.44800**	**.95872**	**.00150**	**.16572**	**.00209**
Stddev	.00053	.00047	.061	.00127	.00047	.01938	.04147	.00013	.00079	.00054
%RSD	34.471	1388.0	.17198	98.878	7.3846	4.3255	4.3255	8.8507	.47876	25.998
#1	.00193	-.00037	35.372	.00219	.00665	.46170	.98804	.00140	.16628	.00170
#2	.00117	.00030	35.287	.00039	.00599	.43430	.92940	.00159	.16516	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00083**	**-.04332**	**.00458**	**.00506**	**-.00263**
Stddev	.00162	.00051	.01613	.00063	.00005	.00030
%RSD	150.70	62.005	37.238	13.670	.90536	11.412
#1	-.00007	.00119	-.05472	.00503	.00509	-.00284
#2	.00222	.00046	-.03191	.00414	.00502	-.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.4**	**78803.**	**6484.3**
Stddev	12.5	810.	34.2
%RSD	.18151	1.0281	.52705
#1	6912.3	78230.	6508.4
#2	6894.6	79376.	6460.1

Sample Name: 280-48773-c-8-a@10 Acquired: 11/14/2013 18:00:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00762**	**-.00308**	**.13898**	**.00165**	**.00004**	**.00294**	**4.9344**	**-.00026**	**-.00034**
Stddev	.00026	.00001	.00075	.00018	.00057	.00002	.00121	.0100	.00008	.00002
%RSD	48.877	.19640	24.365	.12635	34.636	56.448	41.033	.20172	31.977	5.0071
#1	-.00070	.00763	-.00361	.13910	.00125	.00002	.00379	4.9415	-.00032	-.00033
#2	-.00034	.00761	-.00255	.13885	.00206	.00005	.00209	4.9274	-.00020	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00034**	**.01216**	**.10134**	**.01715**	**1.1345**	**.00084**	**.00005**	**95.071**	**-.00012**
Stddev	.00001	.00035	.00217	.00409	.00181	.0001	.00002	.00007	.416	.00034
%RSD	8.3922	105.16	17.802	4.0401	10.551	.00882	2.7382	148.47	.43757	287.80
#1	.00019	.00009	.01063	.10424	.01843	1.1345	.00082	.00000	95.365	-.00036
#2	.00017	.00058	.01369	.09845	.01587	1.1346	.00085	.00010	94.777	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**-.00036**	**32.405**	**-.00131**	**.00928**	**.42766**	**.91519**	**.00179**	**.17371**	**-.00035**
Stddev	.00011	.00011	.080	.00161	.00148	.00729	.01559	.00012	.00030	.00036
%RSD	3.4620	30.397	.24541	122.49	15.909	1.7036	1.7036	6.6444	.17196	102.62
#1	.00323	-.00044	32.461	-.00245	.01032	.42251	.90417	.00188	.17393	-.00010
#2	.00307	-.00028	32.349	-.00018	.00824	.43281	.92622	.00171	.17350	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00126**	**-.03776**	**.00068**	**.00642**	**.00042**
Stddev	.00004	.00019	.00423	.00004	.00000	.00047
%RSD	33.399	14.745	11.199	5.3160	.07431	110.87
#1	.00016	.00139	-.04075	.00071	.00642	.00009
#2	.00010	.00113	-.03477	.00065	.00641	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.9**	**78308.**	**6401.1**
Stddev	14.8	59.	58.9
%RSD	.21403	.07528	.91938
#1	6914.3	78350.	6442.7
#2	6893.4	78267.	6359.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:03:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00377**	**49.894**	**-.00227**	**.00047**	**.00036**	**.00001**	**1.0101**	**.01611**	**.00063**	**-.00091**	**.00017**	**-.00451**	**50.533**
Stddev	.00068	.434	.00303	.00043	.00011	.00003	.0044	.00169	.00008	.00001	.00016	.00011	.109
%RSD	18.111	.87009	133.30	91.750	31.385	344.71	.43471	10.490	12.369	.70006	97.771	2.3796	.21630
#1	-.00329	49.587	-.00013	.00078	.00044	.00003	1.0070	.01491	.00057	-.00092	.00028	-.00444	50.456
#2	-.00426	50.201	-.00442	.00017	.00028	-.00001	1.0132	.01730	.00068	-.00091	.00005	-.00459	50.611
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08637**	**.00108**	**.06912**	**-.00007**	**.00043**	**249.83**	**-.00088**	**.00356**	**-.00124**	**4.9540**	**.00110**	**-.00500**	**-.00917**
Stddev	.05411	.00014	.00044	.00006	.00022	1.53	.00031	.00185	.00085	.0076	.00194	.00209	.00146
%RSD	62.644	13.348	.63527	82.629	51.110	.61068	35.254	51.843	68.972	.15381	176.52	41.841	15.952
#1	.04811	.00118	.06943	-.00012	.00027	248.75	-.00066	.00226	-.00063	4.9486	-.00027	-.00352	-.00814
#2	.12463	.00098	.06881	-.00003	.00058	250.91	-.00110	.00487	-.00184	4.9593	.00248	-.00647	-.01021
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01963**	**-.00060**	**.00004**	**4.9670**	**.00950**	**.00254**	F **7.7481**	**.00039**	**.00180**	**-.06040**
Stddev	.00313	.00038	.00008	.0194	.00046	.00033	.0574	.00008	.00049	.00049
%RSD	15.952	63.354	225.99	.39032	4.8343	13.032	.74125	20.952	27.127	.81486
#1	-.01742	-.00033	.00009	4.9532	.00918	.00277	7.7074	.00045	.00214	-.06005
#2	-.02185	-.00087	-.00002	4.9807	.00983	.00231	7.7887	.00033	.00145	-.06074
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.7**	**77349.**	**6432.0**
Stddev	24.7	189.	24.5
%RSD	.35696	.24386	.38072
#1	6902.2	77216.	6449.4
#2	6937.1	77483.	6414.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:05:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51165**	**.52563**	**.99648**	**.50090**	**.49272**	**.47938**	**-.01316**	**4.8261**	**.48856**	**.49933**	**.51176**	**.49653**	**2.5155**
Stddev	.00094	.00984	.00025	.00028	.00255	.00218	.00140	.0089	.00001	.00117	.00085	.00102	.0093
%RSD	.18322	1.8724	.02504	.05617	.51657	.45520	10.640	.18421	.00115	.23424	.16670	.20491	.37004
#1	.51231	.51867	.99665	.50110	.49452	.48092	-.01217	4.8198	.48856	.49850	.51237	.49581	2.5221
#2	.51099	.53259	.99630	.50070	.49092	.47783	-.01415	4.8324	.48857	.50016	.51116	.49724	2.5089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.113**	**.96850**	**19.926**	**.49303**	**.51101**	**5.0051**	**.51445**	**1.0004**	**.98629**	**.00685**	**.99887**	**1.0065**	**4.9866**
Stddev	.126	.00565	.008	.00028	.00006	.0314	.00081	.0015	.00174	.01291	.00183	.0003	.0097
%RSD	.26241	.58379	.04260	.05596	.01115	.62676	.15810	.14845	.17665	188.54	.18279	.03179	.19437
#1	48.203	.97250	19.932	.49323	.51097	5.0273	.51387	1.0014	.98506	-.00228	1.0002	1.0067	4.9935
#2	48.024	.96450	19.920	.49284	.51105	4.9829	.51502	.99931	.98752	.01597	.99758	1.0063	4.9798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0115**	**.48767**	**.00453**	**.49842**	**.99864**	**-.09352**	**.48774**	**.50341**	**.48875**
Stddev	.021	.0021	.00195	.00195	.00046	.00059	.01546	.00276	.00004	.00158
%RSD	.19437	.20678	.40072	43.012	.09201	.05867	16.534	.56665	.00810	.32231
#1	10.686	1.0101	.48905	.00315	.49875	.99823	-.08259	.48578	.50338	.48987
#2	10.657	1.0130	.48629	.00591	.49810	.99906	-.10446	.48969	.50344	.48764
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7029.8**	**80131.**	**6602.3**
Stddev	29.3	313.	5.2
%RSD	.41609	.39005	.07861
#1	7050.5	79910.	6606.0
#2	7009.1	80352.	6598.6

Sample Name: CCB Acquired: 11/14/2013 18:07:40 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00025**	**-.00164**	**.00044**	**.00032**	**.00006**	**.00276**	**.00043**	**-.00002**	**-.00006**	**.00000**	**-.00043**
Stddev	.00020	.00126	.00124	.00021	.00003	.00016	.00055	.00477	.00013	.00001	.00012	.00013
%RSD	29.677	502.43	75.764	47.800	9.1354	267.82	19.976	1105.2	613.72	10.338	29299.	31.650
#1	-.00080	-.00064	-.00252	.00059	.00034	.00017	.00237	-.00294	.00007	-.00006	.00008	-.00052
#2	-.00052	.00114	-.00076	.00029	.00030	-.00005	.00315	.00381	-.00011	-.00006	-.00008	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00486**	**.05269**	**.00141**	**.00008**	**.00004**	**.00034**	**.04938**	**.00025**	**.00002**	**-.00035**	**.00149**	W **.00406**
Stddev	.00379	.01158	.00025	.00036	.00000	.00001	.00863	.00001	.00073	.00044	.00107	.00083
%RSD	77.917	21.980	17.876	427.44	10.832	3.3793	17.467	4.2212	3552.1	125.04	71.414	20.498
#1	-.00753	.06088	.00123	.00034	.00003	.00035	.05548	.00026	-.00049	-.00004	.00074	.00465
#2	-.00218	.04450	.00159	-.00017	.00004	.00033	.04328	.00024	.00054	-.00067	.00225	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**.01191**	**.02550**	**-.00046**	**-.00021**	**.00161**	**.00017**	**.00125**	**-.00392**	**.00041**	**.00258**	W **.00242**
Stddev	.00579	.00789	.01688	.00003	.00006	.00080	.00005	.00124	.03243	.00009	.00025	.00039
%RSD	188.75	66.198	66.198	7.6156	28.620	49.537	27.886	99.549	827.45	21.395	9.7872	15.911
#1	-.00716	.01749	.03743	-.00048	-.00017	.00104	.00014	.00037	.01901	.00048	.00276	.00269
#2	.00103	.00634	.01356	-.00043	-.00025	.00217	.00020	.00213	-.02685	.00035	.00240	.00215
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7103.0**	**81367.**	**6590.4**
Stddev	9.5	84.	51.5
%RSD	.13322	.10280	.78220
#1	7096.3	81308.	6626.8
#2	7109.7	81427.	6553.9

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:09:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.10949**	**.01466**	**.09997**	**.01070**	**.00105**	**.11457**	**.21439**	**.00499**	**.01052**	**.01064**	**.01469**	**.10321**
Stddev	.00014	.00055	.00094	.00118	.00008	.00011	.00405	.00251	.00023	.00003	.00002	.00007	.00147
%RSD	1.4457	.49843	6.4047	1.1810	.70196	10.912	3.5325	1.1708	4.6444	.33226	.14564	.45854	1.4287
#1	.00965	.10988	.01532	.09913	.01075	.00113	.11743	.21616	.00482	.01054	.01063	.01474	.10217
#2	.00985	.10911	.01399	.10080	.01065	.00097	.11171	.21261	.00515	.01049	.01065	.01464	.10425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0231**	**.01275**	**.21291**	**.01040**	**.02043**	**1.0896**	**.04329**	**2.9312**	**.00925**	**.00188**	**.01159**	**.01182**	**.49615**
Stddev	.0695	.00038	.00055	.00000	.00020	.0028	.00029	.0133	.00036	.00205	.00082	.00157	.02135
%RSD	2.2981	2.9497	.25974	.03483	.99922	.25704	.66634	.45360	3.8627	109.24	7.1152	13.242	4.3024
#1	3.0722	.01249	.21330	.01040	.02058	1.0877	.04309	2.9218	.00900	.00333	.01218	.01293	.48106
#2	2.9740	.01302	.21252	.01040	.02029	1.0916	.04349	2.9406	.00950	.00043	.01101	.01071	.51124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0618**	**.10292**	**.01010**	**.01603**	**.00990**	**.01579**	F **.07805**	**.00964**	**.02505**	**.01420**
Stddev	.0457	.00026	.00021	.00191	.00036	.00135	.03806	.00022	.00032	.00020
%RSD	4.3024	.25699	2.0484	11.922	3.6285	8.5721	48.767	2.2408	1.2889	1.4246
#1	1.0295	.10273	.01025	.01468	.01015	.01675	.10497	.00949	.02482	.01406
#2	1.0941	.10311	.00996	.01738	.00964	.01483	.05114	.00979	.02528	.01434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.8**	**81210.**	**6466.3**
Stddev	8.3	471.	54.1
%RSD	.11758	.58006	.83728
#1	7060.9	81543.	6428.0
#2	7072.7	80877.	6504.6

Sample Name: mb 280-199584/1-a Acquired: 11/14/2013 18:12:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00503**	**-.00230**	**.00219**	**.00039**	**.00004**	**.00447**	**.04294**	**-.00015**	**.00007**
Stddev	.00009	.00046	.00062	.00070	.00022	.00005	.00198	.00130	.00009	.00006
%RSD	299.58	9.1197	27.085	32.164	56.464	134.12	44.212	3.0348	58.658	90.440
#1	-.00010	.00535	-.00274	.00169	.00023	.00000	.00307	.04386	-.00009	.00011
#2	.00004	.00470	-.00186	.00269	.00054	.00008	.00587	.04202	-.00021	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00046**	**.00922**	**.04222**	**.00030**	**.01109**	**.00028**	**-.00022**	F **1.0237**	**.00007**
Stddev	.00005	.00016	.00066	.00669	.00097	.00075	.00004	.00010	.0018	.00000
%RSD	20.741	34.681	7.1622	15.844	324.57	6.7320	14.124	47.844	.17162	5.3488
#1	.00026	-.00058	.00969	.04695	-.00039	.01056	.00025	-.00029	1.0250	.00007
#2	.00019	-.00035	.00875	.03749	.00099	.01161	.00031	-.00014	1.0225	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00033**	F **.42291**	**.00037**	**.00026**	**.03260**	**.06976**	**.00001**	**.00226**	**.00161**
Stddev	.00071	.00177	.00388	.00129	.00204	.02502	.05353	.00056	.00005	.00066
%RSD	56.606	538.36	.91818	349.23	792.73	76.740	76.740	4216.0	1.9965	41.007
#1	.00075	.00158	.42565	-.00054	-.00119	.01491	.03191	.00041	.00223	.00114
#2	.00175	-.00092	.42016	.00128	.00170	.05029	.10762	-.00038	.00229	.00207
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00031**	**-.01085**	**-.00028**	**.00359**	**-.00197**
Stddev	.00002	.00065	.00656	.00073	.00031	.00103
%RSD	11.616	207.93	60.407	260.93	8.5823	52.193
#1	.00019	-.00015	-.00622	.00024	.00380	-.00269
#2	.00016	.00077	-.01549	-.00080	.00337	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7132.2**	**82164.**	**6543.7**
Stddev	26.3	337.	21.2
%RSD	.36808	.41025	.32327
#1	7113.6	82402.	6558.7
#2	7150.7	81925.	6528.8

Sample Name: lcs 280-199584/2-a Acquired: 11/14/2013 18:14:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04884**	**1.9603**	**.99457**	**1.0013**	**1.9963**	**.04867**	**2.0355**	**47.654**	**.09799**	**.48727**
Stddev	.00023	.0018	.00324	.0030	.0075	.00022	.0033	.173	.00048	.00016
%RSD	.47996	.09140	.32550	.29938	.37732	.44584	.16341	.36270	.48768	.03221
#1	.04867	1.9590	.99228	.99917	1.9910	.04851	2.0332	47.531	.09765	.48738
#2	.04900	1.9615	.99686	1.0034	2.0016	.04882	2.0379	47.776	.09832	.48716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.24576**	**1.0025**	**49.348**	**.99091**	**49.512**	**.48745**	**1.0194**	**50.754**	**.50073**
Stddev	.00000	.00060	.0080	.086	.00675	.060	.00028	.0001	.609	.00036
%RSD	.00016	.24225	.80057	.17493	.68126	.12197	.05661	.00856	1.2000	.07112
#1	.20512	.24618	.99686	49.287	.98613	49.554	.48764	1.0194	50.324	.50048
#2	.20512	.24534	1.0082	49.409	.99568	49.469	.48725	1.0193	51.185	.50098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.078**	**.47560**	**-.00491**	**.49932**	**1.9904**	**10.104**	**21.622**	**2.0099**	**.98794**	**.99180**
Stddev	.016	.00132	.00039	.00338	.0044	.069	.148	.0092	.00263	.00064
%RSD	.15423	.27804	7.9283	.67680	.22177	.68397	.68397	.45756	.26648	.06467
#1	10.067	.47467	-.00463	.49693	1.9873	10.055	21.517	2.0034	.98608	.99134
#2	10.089	.47654	-.00518	.50171	1.9935	10.152	21.726	2.0165	.98980	.99225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0051**	**1.9127**	F **3.1629**	**.49297**	**.49282**	**.48837**
Stddev	.0007	.0088	.0009	.00082	.00034	.00161
%RSD	.06527	.45755	.02973	.16657	.06827	.32964
#1	1.0046	1.9065	3.1636	.49239	.49258	.48951
#2	1.0056	1.9189	3.1622	.49355	.49305	.48724
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6860.7**	**78435.**	**6531.1**
Stddev	21.0	90.	5.2
%RSD	.30612	.11503	.08007
#1	6845.9	78498.	6534.8
#2	6875.6	78371.	6527.4

Sample Name: 280-48773-c-1-e@10 Acquired: 11/14/2013 18:16:50 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.16201**	**.00043**	**.12519**	**.00441**	**.00005**	**.00278**	**1.9106**	**-.00013**	**-.00015**
Stddev	.00007	.00014	.00095	.00068	.00017	.00002	.00149	.0081	.00007	.00016
%RSD	98.627	.08369	223.24	.54359	3.7824	50.408	53.756	.42373	56.580	102.83
#1	.00013	.16192	-.00025	.12567	.00429	.00006	.00384	1.9048	-.00008	-.00027
#2	.00002	.16211	.00110	.12471	.00453	.00003	.00172	1.9163	-.00018	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00020**	**.08312**	**.18857**	**.00420**	**.76997**	**.01228**	**.00300**	**85.543**	**.00038**
Stddev	.00001	.00009	.00132	.02931	.00097	.00231	.00011	.00035	.354	.00015
%RSD	3.6979	44.130	1.5839	15.541	23.100	.29952	.93085	11.752	.41439	39.113
#1	.00017	.00013	.08219	.20929	.00488	.76834	.01236	.00325	85.793	.00027
#2	.00016	.00026	.08405	.16785	.00351	.77160	.01219	.00275	85.292	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00668**	**-.00078**	**22.031**	**.00045**	**.00048**	**.69872**	**1.4953**	**.00178**	**.05990**	**.00262**
Stddev	.00058	.00062	.001	.00011	.00091	.00534	.0114	.00072	.00031	.00294
%RSD	8.6218	79.408	.00564	24.662	190.05	.76473	.76473	40.549	.52216	112.18
#1	.00628	-.00034	22.030	.00053	.00113	.69494	1.4872	.00127	.05968	.00054
#2	.00709	-.00121	22.032	.00037	-.00017	.70250	1.5033	.00229	.06012	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00077**	**-.04383**	**.00043**	**.00543**	**.00073**
Stddev	.00008	.00019	.03993	.00020	.00029	.00139
%RSD	7.9241	24.220	91.105	46.507	5.2946	189.57
#1	.00109	.00064	-.01559	.00057	.00563	-.00025
#2	.00098	.00090	-.07206	.00029	.00523	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6983.7**	**79798.**	**6515.2**
Stddev	1.3	264.	26.5
%RSD	.01915	.33054	.40662
#1	6982.8	79984.	6533.9
#2	6984.6	79611.	6496.4

Sample Name: 280-48773-c-1-eSD@50 Acquired: 11/14/2013 18:19:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.03783	.00078	.02502	.00097	.00008	.00253	.38303	-.00009	-.00019
Stddev	.00052	.00014	.00078	.00077	.00007	.00005	.00100	.00384	.00001	.00002
%RSD	1663.0	.37499	99.828	3.0783	7.5877	71.175	39.398	1.0027	5.8788	10.987
#1	.00040	.03773	.00133	.02556	.00091	.00004	.00323	.38032	-.00010	-.00017
#2	-.00034	.03793	.00023	.02447	.00102	.00012	.00182	.38575	-.00009	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00030	.02700	.11210	.00107	.15839	.00260	.00033	17.485	.00006
Stddev	.00006	.00027	.00061	.00838	.00100	.00049	.00003	.00003	.188	.00016
%RSD	78.741	90.794	2.2580	7.4744	93.153	.31053	1.2010	8.8805	1.0780	276.53
#1	-.00003	-.00011	.02657	.11802	.00037	.15873	.00258	.00031	17.618	-.00006
#2	-.00012	-.00049	.02743	.10618	.00178	.15804	.00262	.00035	17.351	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	-.00054	4.2766	.00008	-.00211	.14840	.31758	.00217	.01182	.00155
Stddev	.00123	.00055	.0158	.00203	.00269	.00941	.02013	.00020	.00019	.00394
%RSD	775.68	101.37	.37014	2548.6	127.63	6.3385	6.3385	9.1725	1.5860	254.41
#1	.00103	-.00093	4.2654	-.00136	-.00021	.14175	.30334	.00232	.01195	.00433
#2	-.00071	-.00015	4.2878	.00152	-.00401	.15505	.33181	.00203	.01168	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.00114	-.02865	.00041	.00565	-.00181
Stddev	.00020	.00122	.11382	.00040	.00049	.00069
%RSD	167.83	107.26	397.24	96.951	8.6810	38.183
#1	.00002	.00028	-.10914	.00070	.00530	-.00132
#2	-.00026	.00201	.05183	.00013	.00600	-.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7060.5	81103.	6587.9
Stddev	45.8	157.	46.2
%RSD	.64807	.19317	.70081
#1	7092.9	81214.	6620.6
#2	7028.2	80992.	6555.3

Sample Name: 48773-c-1-f ms@10 Acquired: 11/14/2013 18:21:33 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**.42463**	**.09744**	**.21547**	**.19847**	**.00475**	F **.20630**	**6.4499**	**.00930**	**.04886**
Stddev	.00023	.00084	.00139	.00195	.00022	.00006	.00262	.0234	.00002	.00045
%RSD	6.0188	.19874	1.4287	.90466	.11029	1.2741	1.2692	.36337	.17644	.92701
#1	.00404	.42403	.09645	.21410	.19831	.00480	.20445	6.4334	.00932	.04854
#2	.00371	.42523	.09842	.21685	.19862	.00471	.20815	6.4665	.00929	.04918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02013**	**.02485**	**.19609**	**4.9509**	**.10163**	**5.5238**	**.06002**	**.10285**	**85.723**	**.05122**
Stddev	.00009	.00003	.00012	.0436	.00121	.0272	.00009	.00036	.293	.00094
%RSD	.45129	.13742	.06319	.88096	1.1935	.49275	.15576	.34851	.34195	1.8342
#1	.02006	.02483	.19600	4.9200	.10077	5.5045	.05995	.10260	85.930	.05056
#2	.02019	.02488	.19618	4.9817	.10249	5.5430	.06008	.10311	85.516	.05189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0041**	**.04726**	**20.859**	**.04775**	**.19618**	**1.7812**	**3.8119**	**.20034**	**.15176**	**.09650**
Stddev	.0035	.00202	.010	.00096	.00331	.0141	.0302	.00209	.00022	.00107
%RSD	.35049	4.2826	.04894	2.0075	1.6884	.79100	.79100	1.0451	.14466	1.1139
#1	1.0016	.04583	20.852	.04707	.19384	1.7713	3.7905	.19886	.15160	.09574
#2	1.0066	.04870	20.866	.04842	.19853	1.7912	3.8332	.20182	.15191	.09726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09918**	**.19060**	**.26140**	**.04864**	**.05561**	**.04512**
Stddev	.00038	.00000	.02979	.00033	.00047	.00115
%RSD	.38105	.00238	11.397	.67138	.83708	2.5424
#1	.09945	.19060	.24033	.04841	.05528	.04431
#2	.09891	.19061	.28247	.04887	.05594	.04593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.7**	**78893.**	**6474.9**
Stddev	24.9	292.	74.8
%RSD	.35963	.36956	1.1548
#1	6928.2	79099.	6422.0
#2	6893.1	78687.	6527.8

Sample Name: 48773-c-1-g msd@10 Acquired: 11/14/2013 18:23:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**.42916**	**.09965**	**.22021**	**.20204**	**.00479**	F **.20944**	**6.5230**	**.00981**	**.04990**
Stddev	.00060	.00035	.00081	.00111	.00017	.00002	.00429	.0130	.00009	.00013
%RSD	14.612	.08265	.80989	.50491	.08277	.33692	2.0486	.19943	.90858	.25199
#1	.00366	.42890	.10022	.21942	.20192	.00478	.20640	6.5138	.00975	.04981
#2	.00450	.42941	.09908	.22100	.20215	.00480	.21247	6.5322	.00987	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02062**	**.02501**	**.19496**	**5.0627**	**.10313**	**5.6262**	**.06107**	**.10507**	**86.651**	**.05228**
Stddev	.00022	.00014	.00003	.0833	.00334	.0009	.00002	.00001	.824	.00017
%RSD	1.0632	.55561	.01522	1.6447	3.2421	.01599	.02722	.00560	.95143	.31613
#1	.02046	.02491	.19498	5.0039	.10077	5.6256	.06108	.10507	86.068	.05216
#2	.02077	.02511	.19494	5.1216	.10550	5.6268	.06106	.10506	87.234	.05239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0273**	**.04708**	**21.175**	**.04956**	**.19888**	**1.8200**	**3.8947**	**.20522**	**.15434**	**.09858**
Stddev	.0046	.00037	.074	.00046	.00123	.0322	.0688	.00084	.00009	.00137
%RSD	.44588	.78703	.34775	.93494	.61717	1.7671	1.7671	.41081	.06134	1.3922
#1	1.0241	.04734	21.123	.04923	.19975	1.7972	3.8461	.20581	.15427	.09761
#2	1.0306	.04682	21.227	.04989	.19801	1.8427	3.9434	.20462	.15440	.09955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10098**	**.19352**	**.30039**	**.05024**	**.05632**	**.04737**
Stddev	.00007	.00022	.01334	.00008	.00021	.00013
%RSD	.06627	.11418	4.4422	.16118	.37548	.26417
#1	.10093	.19336	.30983	.05018	.05617	.04728
#2	.10103	.19368	.29095	.05030	.05646	.04746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6923.3**	**78981.**	**6439.5**
Stddev	2.2	234.	38.8
%RSD	.03178	.29669	.60186
#1	6921.8	79147.	6466.9
#2	6924.9	78816.	6412.1

Sample Name: 48773-c-1-ePDS@10 Acquired: 11/14/2013 18:26:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04611**	**1.1711**	**.20367**	**.21772**	**.10594**	**.04886**	**.00464**	**21.043**	**.04965**	**.04978**
Stddev	.00032	.0005	.00136	.00195	.00102	.00003	.00019	.069	.00045	.00030
%RSD	.68860	.04307	.66618	.89739	.96445	.05176	4.1873	.32970	.90070	.60176
#1	.04588	1.1714	.20271	.21910	.10522	.04887	.00451	20.993	.04996	.04999
#2	.04633	1.1707	.20462	.21634	.10666	.04884	.00478	21.092	.04933	.04957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05211**	**.04940**	**1.1139**	**20.013**	**.10604**	**20.692**	**.06172**	**.05286**	**102.70**	**.05202**
Stddev	.00050	.00013	.0017	.053	.00124	.083	.00040	.00012	.51	.00065
%RSD	.96890	.26828	.14779	.26599	1.1721	.40340	.64441	.22782	.50027	1.2545
#1	.05246	.04930	1.1128	19.975	.10692	20.751	.06200	.05294	102.34	.05249
#2	.05175	.04949	1.1151	20.051	.10516	20.633	.06144	.05277	103.06	.05156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0948**	**.09510**	**21.338**	**.09920**	**.20260**	**5.6352**	**12.059**	**.10074**	**.10732**	**.19956**
Stddev	.0192	.00050	.002	.00041	.00034	.0050	.011	.00124	.00083	.00119
%RSD	.91601	.52550	.00748	.40887	.17021	.08860	.08860	1.2308	.77221	.59821
#1	2.1084	.09475	21.339	.09891	.20236	5.6317	12.052	.10162	.10673	.19872
#2	2.0813	.09546	21.337	.09948	.20285	5.6387	12.067	.09986	.10791	.20040
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05044**	**.19372**	**.77623**	**.05110**	**.21312**	**.04425**
Stddev	.00069	.00145	.01080	.00077	.00064	.00178
%RSD	1.3772	.74772	1.3907	1.5040	.30128	4.0225
#1	.04995	.19475	.78386	.05165	.21266	.04551
#2	.05093	.19270	.76860	.05056	.21357	.04299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6848.3**	**77302.**	**6373.7**
Stddev	8.6	115.	5.6
%RSD	.12579	.14887	.08712
#1	6842.2	77221.	6377.6
#2	6854.4	77384.	6369.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:28:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00351**	**49.638**	**-.00304**	**.00074**	**.00055**	**-.00001**	**1.0072**	**.01884**	**.00056**	**-.00075**	**.00031**	**-.00461**	**50.589**
Stddev	.00048	.080	.00401	.00030	.00033	.00003	.0027	.00196	.00006	.00007	.00010	.00022	.248
%RSD	13.604	.16114	131.89	40.546	60.950	434.76	.27242	10.412	9.8228	8.7900	30.802	4.8583	.49066
#1	-.00317	49.695	-.00020	.00053	.00031	-.00002	1.0091	.02022	.00060	-.00079	.00025	-.00477	50.765
#2	-.00385	49.582	-.00587	.00095	.00079	.00001	1.0052	.01745	.00052	-.00070	.00038	-.00445	50.414
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18970**	**.00339**	**.06803**	**-.00011**	**.00034**	**249.64**	**-.00092**	**.00434**	**-.00166**	**4.9342**	**.00080**	**-.00733**	**-.00080**
Stddev	.04638	.00206	.00206	.00008	.00001	.23	.00020	.00037	.00002	.0105	.00049	.00098	.00342
%RSD	24.451	60.838	3.0248	72.098	4.1947	.09194	21.227	8.5241	1.3957	.21336	61.734	13.331	427.30
#1	.15690	.00485	.06658	-.00016	.00035	249.48	-.00078	.00461	-.00168	4.9267	.00115	-.00664	-.00321
#2	.22250	.00193	.06949	-.00005	.00033	249.81	-.00106	.00408	-.00165	4.9416	.00045	-.00802	.00162
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.00032**	**.00004**	**4.9959**	**.00922**	**.00276**	F **7.8035**	**.00038**	**.00249**	**-.05929**
Stddev	.00731	.00009	.00008	.0033	.00017	.00043	.0754	.00058	.00030	.00114
%RSD	427.30	28.364	207.43	.06565	1.8429	15.515	.96674	151.64	11.888	1.9168
#1	-.00688	.00025	-.00002	4.9936	.00934	.00245	7.7502	-.00003	.00228	-.05849
#2	.00346	.00038	.00009	4.9983	.00910	.00306	7.8569	.00079	.00270	-.06009
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.8**	**77797.**	**6362.6**
Stddev	24.1	57.	46.9
%RSD	.34913	.07289	.73777
#1	6919.8	77837.	6329.5
#2	6885.7	77757.	6395.8

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:30:42 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51059**	**.52558**	**.99933**	**.49816**	**.49690**	**.48040**	**-.01060**	**4.8200**	**.48420**	**.49791**	**.51083**	**.49354**	**2.5395**
Stddev	.00005	.00174	.00289	.00086	.00046	.00237	.00192	.0469	.00034	.00132	.00110	.00013	.0195
%RSD	.00881	.33185	.28870	.17217	.09295	.49280	18.164	.97335	.07083	.26477	.21497	.02650	.76731
#1	.51055	.52682	1.0014	.49755	.49658	.47872	-.01196	4.8531	.48444	.49884	.51161	.49344	2.5257
#2	.51062	.52435	.99729	.49876	.49723	.48207	-.00923	4.7868	.48395	.49697	.51005	.49363	2.5532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.385**	**.97468**	**20.058**	**.49496**	**.50758**	**5.0340**	**.51530**	**.99491**	**.98117**	**-.00274**	**.99043**	**.99922**	**5.0134**
Stddev	.104	.00034	.001	.00093	.00244	.0115	.00130	.00650	.00620	.00334	.00210	.00347	.0699
%RSD	.21393	.03480	.00706	.18844	.47997	.22886	.25133	.65349	.63198	121.80	.21224	.34759	1.3946
#1	48.312	.97492	20.057	.49562	.50930	5.0259	.51621	.99951	.98555	-.00510	.99192	1.0017	4.9640
#2	48.458	.97444	20.059	.49430	.50585	5.0422	.51438	.99031	.97678	-.00038	.98895	.99676	5.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.729**	**1.0069**	**.49025**	**.00211**	**.49936**	**.99387**	**-.04442**	**.48987**	**.50742**	**.49045**
Stddev	.150	.0035	.00051	.00099	.00098	.00558	.02858	.00292	.00049	.00214
%RSD	1.3946	.34330	.10393	47.088	.19651	.56165	64.335	.59557	.09648	.43667
#1	10.623	1.0094	.48989	.00141	.50005	.99782	-.02421	.48780	.50707	.49196
#2	10.834	1.0045	.49061	.00281	.49866	.98992	-.06463	.49193	.50776	.48893
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6975.2**	**78869.**	**6442.4**
Stddev	49.3	174.	7.7
%RSD	.70744	.22064	.11939
#1	6940.4	78746.	6436.9
#2	7010.1	78992.	6447.8

Sample Name: CCB Acquired: 11/14/2013 18:32:51 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00161**	**-.00173**	**.00070**	**.00015**	**.00005**	**.00271**	**-.00211**	**-.00001**	**-.00004**	**.00001**	**-.00035**	**-.00693**
Stddev	.00040	.00246	.00193	.00045	.00002	.00005	.00089	.00055	.00002	.00014	.00005	.00018	.00027
%RSD	52.401	153.02	111.67	64.204	13.310	112.73	32.906	26.017	135.54	388.54	359.80	51.748	3.8851
#1	-.00048	-.00013	-.00036	.00102	.00017	.00001	.00208	-.00172	-.00002	-.00013	-.00002	-.00022	-.00674
#2	-.00104	.00335	-.00310	.00038	.00014	.00009	.00334	-.00250	.00000	.00006	.00005	-.00048	-.00712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04290**	**.00175**	**.00446**	**.00000**	**-.00003**	**.05394**	**-.00001**	**-.00056**	**-.00023**	**.00173**	F **.00730**	**-.00021**	**.00579**
Stddev	.00288	.00149	.00019	.00003	.00019	.00598	.00031	.00021	.00081	.00021	.00070	.00000	.01595
%RSD	6.7158	85.274	4.2505	1229.1	722.88	11.079	2443.9	38.380	358.29	12.351	9.6484	1.8563	275.44
#1	.04494	.00069	.00459	-.00002	-.00016	.05816	.00021	-.00071	.00035	.00158	.00681	-.00022	-.00549
#2	.04086	.00280	.00432	.00003	.00011	.04971	-.00023	-.00041	-.00080	.00189	.00780	-.00021	.01707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01240**	**-.00075**	**-.00015**	**.00303**	**.00001**	**.00131**	**-.02656**	**-.00042**	**.00302**	**-.00112**
Stddev	.03414	.00071	.00002	.00046	.00003	.00034	.01450	.00005	.00006	.00021
%RSD	275.44	94.852	15.805	14.993	258.65	26.198	54.571	10.814	1.9127	19.253
#1	-.01175	-.00124	-.00017	.00336	-.00001	.00155	-.01631	-.00046	.00298	-.00127
#2	.03654	-.00025	-.00013	.00271	.00004	.00106	-.03681	-.00039	.00306	-.00096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7128.3**	**82071.**	**6587.7**
Stddev	9.7	62.	6.2
%RSD	.13582	.07609	.09388
#1	7135.2	82116.	6592.0
#2	7121.5	82027.	6583.3

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:35:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.10987**	**.01363**	**.10082**	**.01050**	**.00104**	**.11421**	**.21735**	**.00497**	**.01041**	**.01076**	**.01506**	**.10555**
Stddev	.00008	.00057	.00039	.00075	.00018	.00006	.00233	.00315	.00002	.00015	.00001	.00007	.00013
%RSD	.84798	.51647	2.8375	.74706	1.7312	5.2920	2.0435	1.4489	.44637	1.4113	.06104	.46635	.12254
#1	.00985	.10946	.01390	.10028	.01037	.00108	.11256	.21512	.00495	.01030	.01075	.01511	.10546
#2	.00997	.11027	.01336	.10135	.01063	.00100	.11586	.21957	.00498	.01051	.01076	.01502	.10564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0263**	**.01200**	**.21015**	**.01026**	**.02002**	**1.0773**	**.04321**	**2.9418**	**.00915**	**.00356**	**.01117**	**.01307**	**.50357**
Stddev	.0178	.00187	.00481	.00013	.00031	.0221	.00004	.0051	.00017	.00072	.00084	.00104	.03635
%RSD	.58865	15.577	2.2883	1.2860	1.5457	2.0504	.08895	.17351	1.8578	20.134	7.5430	7.9425	7.2184
#1	3.0389	.01068	.21355	.01035	.02024	1.0617	.04318	2.9382	.00927	.00305	.01058	.01234	.47786
#2	3.0137	.01332	.20675	.01016	.01980	1.0929	.04323	2.9454	.00903	.00406	.01177	.01381	.52927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0776**	**.10325**	**.01005**	**.01611**	**.00994**	**.01623**	F **.09816**	**.00960**	**.02529**	**.01429**
Stddev	.0778	.00014	.00011	.00031	.00000	.00024	.00606	.00057	.00070	.00006
%RSD	7.2184	.13541	1.0954	1.9387	.02036	1.5084	6.1761	5.9351	2.7756	.45248
#1	1.0226	.10315	.00997	.01589	.00993	.01641	.09387	.00920	.02578	.01433
#2	1.1326	.10335	.01013	.01633	.00994	.01606	.10245	.01000	.02479	.01424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.9**	**81904.**	**6582.2**
Stddev	2.8	656.	19.1
%RSD	.03989	.80070	.28949
#1	7098.9	81440.	6595.6
#2	7102.9	82368.	6568.7

Sample Name: 280-48773-c-4-c@10 Acquired: 11/14/2013 18:37:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00892**	**-.00089**	**.11557**	**.00187**	**.00007**	**.00316**	**5.2711**	**-.00016**	**-.00019**
Stddev	.00003	.00012	.00174	.00081	.00006	.00001	.00121	.0110	.00018	.00009
%RSD	5.6546	1.2967	195.91	.70396	2.9692	11.739	38.323	.20875	113.24	48.341
#1	-.00060	.00900	.00034	.11499	.00190	.00007	.00230	5.2789	-.00003	-.00013
#2	-.00055	.00884	-.00212	.11614	.00183	.00008	.00402	5.2633	-.00028	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00003**	**.02243**	**.08190**	**.00412**	**1.1494**	**.09103**	**.00042**	**89.102**	**.00036**
Stddev	.00003	.00029	.00258	.00203	.00034	.0059	.00048	.00003	.309	.00003
%RSD	61.663	843.83	11.487	2.4818	8.2350	.51614	.52938	6.2393	.34624	8.8692
#1	-.00003	.00024	.02425	.08333	.00436	1.1452	.09069	.00040	88.884	.00034
#2	-.00007	-.00017	.02061	.08046	.00388	1.1536	.09137	.00043	89.320	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00041**	**30.067**	**.00064**	**-.00006**	**.48007**	**1.0273**	**.00114**	**.13074**	**.00210**
Stddev	.00046	.00073	.084	.00098	.00432	.01541	.0330	.00036	.00041	.00018
%RSD	264.32	178.55	.27801	154.21	7205.6	3.2104	3.2104	31.394	.31674	8.4996
#1	-.00015	-.00092	30.008	-.00006	.00299	.46917	1.0040	.00139	.13045	.00198
#2	.00050	.00011	30.126	.00133	-.00311	.49096	1.0507	.00088	.13103	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00056**	W **-.06963**	**.00042**	**.00578**	**-.00002**
Stddev	.00029	.00025	.00287	.00031	.00042	.00012
%RSD	127.70	45.298	4.1188	74.289	7.1902	627.35
#1	-.00043	.00038	-.06760	.00020	.00549	.00006
#2	-.00002	.00074	-.07165	.00064	.00607	-.00010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7020.1**	**79868.**	**6597.6**
Stddev	27.0	503.	32.4
%RSD	.38516	.62942	.49075
#1	7001.0	80223.	6620.5
#2	7039.2	79513.	6574.7

Sample Name: 280-48773-c-5-c@10 Acquired: 11/14/2013 18:39:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00565**	**-.00101**	**.18345**	**.00179**	**.00004**	**.00409**	**8.4090**	**-.00025**	**-.00030**
Stddev	.00033	.00031	.00129	.00028	.00010	.00003	.00091	.0607	.00010	.00023
%RSD	130.79	5.5067	127.77	.15192	5.4340	62.946	22.114	.72218	38.726	77.496
#1	-.00049	.00587	-.00010	.18365	.00186	.00006	.00473	8.4520	-.00018	-.00013
#2	-.00002	.00543	-.00192	.18325	.00172	.00002	.00345	8.3661	-.00032	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00033**	**.01108**	**.13072**	**.01178**	**1.6815**	**.01583**	**.00066**	**121.31**	**.00033**
Stddev	.00014	.00010	.00408	.03352	.00224	.0046	.00001	.00012	.97	.00040
%RSD	230.06	29.363	36.854	25.646	19.032	.27568	.04532	18.704	.79720	122.88
#1	.00004	.00026	.00819	.10701	.01020	1.6782	.01582	.00057	121.99	.00004
#2	-.00016	.00040	.01397	.15442	.01337	1.6847	.01583	.00075	120.62	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00393**	**-.00075**	**45.752**	**-.00029**	**.00249**	**.59239**	**1.2677**	**.00117**	**.23473**	**.00075**
Stddev	.00064	.00082	.013	.00314	.00102	.00656	.0140	.00047	.00127	.00013
%RSD	16.338	109.06	.02809	1069.1	40.811	1.1075	1.1075	40.027	.53897	17.911
#1	.00347	-.00017	45.743	-.00252	.00321	.58775	1.2578	.00151	.23563	.00066
#2	.00438	-.00133	45.761	.00193	.00177	.59703	1.2776	.00084	.23384	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00065**	**-.03203**	**.00050**	**.00566**	**-.00029**
Stddev	.00022	.00003	.04254	.00022	.00047	.00145
%RSD	566.91	4.4037	132.82	44.292	8.2545	500.48
#1	-.00019	.00067	-.06211	.00034	.00533	.00073
#2	.00012	.00063	-.00195	.00066	.00599	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.5**	**80214.**	**6645.5**
Stddev	10.0	301.	1.4
%RSD	.14317	.37516	.02167
#1	7024.6	80427.	6644.4
#2	7010.4	80001.	6646.5

Sample Name: 280-48773-c-6-c@10 Acquired: 11/14/2013 18:42:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01636**	**-.00025**	**.19387**	**.00088**	**-.00004**	**.00553**	**2.8631**	**-.00028**	**-.00016**
Stddev	.00038	.00025	.00213	.00011	.00028	.00005	.00067	.0179	.00014	.00009
%RSD	95.932	1.5366	863.46	.05587	31.361	148.05	12.084	.62455	50.903	56.125
#1	-.00066	.01619	.00126	.19380	.00108	.00000	.00506	2.8757	-.00037	-.00022
#2	-.00013	.01654	-.00175	.19395	.00069	-.00007	.00600	2.8504	-.00018	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00002**	**.01523**	**.12052**	**.03072**	**.54959**	**.00020**	**.00053**	**86.698**	**-.00004**
Stddev	.00015	.00006	.00142	.02322	.00270	.00707	.00003	.00009	1.169	.00021
%RSD	1387.9	402.45	9.3267	19.268	8.7922	1.2856	12.396	16.344	1.3480	503.46
#1	.00010	.00006	.01423	.13694	.03263	.54459	.00022	.00047	87.524	-.00019
#2	-.00012	-.00003	.01624	.10410	.02881	.55458	.00019	.00059	85.871	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**-.00029**	**38.081**	**.00022**	**.00848**	**.37818**	**.80931**	**.00100**	**.20186**	**.00096**
Stddev	.00133	.00118	.065	.00111	.00184	.01365	.02920	.00064	.00224	.00201
%RSD	91.197	412.59	.16982	503.64	21.744	3.6086	3.6086	64.243	1.1079	209.36
#1	.00240	.00055	38.036	-.00057	.00718	.38783	.82996	.00145	.20344	-.00046
#2	.00052	-.00112	38.127	.00101	.00979	.36853	.78866	.00054	.20028	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00105**	**.01892**	**.00121**	**.00584**	**.00229**
Stddev	.00010	.00012	.06570	.00011	.00002	.00017
%RSD	78.217	11.534	347.19	8.8273	.31907	7.3269
#1	-.00020	.00113	.06538	.00129	.00585	.00217
#2	-.00006	.00096	-.02754	.00113	.00583	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7048.7**	**79977.**	**6696.9**
Stddev	13.9	121.	79.3
%RSD	.19672	.15091	1.1845
#1	7038.9	80062.	6640.8
#2	7058.5	79891.	6753.0

Sample Name: 280-48773-c-7-c@10 Acquired: 11/14/2013 18:44:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00664**	**-.00268**	**.15445**	**.00096**	**-.00001**	**.00418**	**2.1026**	**-.00016**	**-.00024**
Stddev	.00093	.00053	.00147	.00042	.00012	.00008	.00119	.0037	.00008	.00005
%RSD	1158.7	7.9977	54.920	.27042	12.735	1385.5	28.414	.17503	52.130	18.819
#1	-.00058	.00626	-.00164	.15415	.00105	-.00007	.00502	2.1000	-.00022	-.00021
#2	-.00074	.00701	-.00372	.15475	.00088	.00005	.00334	2.1052	-.00010	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00001**	**.01011**	**.20400**	**.04624**	**.26538**	**.00024**	**-.00002**	**100.16**	**-.00001**
Stddev	.00006	.00036	.00079	.02599	.00148	.00317	.00000	.00015	.38	.00016
%RSD	88.955	2720.1	7.8572	12.740	3.1952	1.1934	1.7941	650.02	.37589	1308.5
#1	.00002	.00024	.00955	.22237	.04520	.26762	.00024	.00008	99.893	-.00012
#2	.00010	-.00026	.01068	.18562	.04728	.26314	.00023	-.00013	100.42	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**-.00088**	**35.744**	**.00087**	**.00727**	**.42582**	**.91126**	**.00085**	**.16400**	**.00061**
Stddev	.00063	.00074	.085	.00399	.00117	.01539	.03294	.00088	.00022	.00075
%RSD	151.94	83.710	.23675	460.44	16.127	3.6145	3.6145	103.47	.13511	123.48
#1	-.00086	-.00036	35.804	.00368	.00810	.43670	.93455	.00023	.16385	.00114
#2	.00003	-.00140	35.684	-.00195	.00644	.41494	.88797	.00148	.16416	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00049**	**.00794**	**.00406**	**.00561**	**.00039**
Stddev	.00009	.00043	.01439	.00009	.00034	.00003
%RSD	53.273	88.345	181.16	2.3230	6.0472	7.7327
#1	-.00011	.00079	-.00223	.00399	.00537	.00037
#2	-.00023	.00018	.01812	.00413	.00585	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7039.1**	**80631.**	**6753.7**
Stddev	3.5	259.	44.5
%RSD	.05020	.32161	.65861
#1	7041.6	80448.	6722.2
#2	7036.6	80815.	6785.1

Sample Name: 280-48773-c-8-e@10 Acquired: 11/14/2013 18:46:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00882**	**-.00158**	**.14314**	**.00135**	**.00003**	**.00413**	**4.8627**	**-.00006**	**-.00019**
Stddev	.00023	.00026	.00024	.00030	.00006	.00001	.00286	.0153	.00005	.00012
%RSD	41.096	2.9683	14.867	.20709	4.4805	38.248	69.300	.31443	73.395	62.806
#1	-.00039	.00901	-.00142	.14293	.00131	.00003	.00615	4.8519	-.00009	-.00027
#2	-.00072	.00864	-.00175	.14335	.00140	.00002	.00211	4.8735	-.00003	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00033**	**.01791**	**.10460**	**.01604**	**1.1381**	**.00074**	**.00009**	**95.275**	**-.00010**
Stddev	.00003	.00018	.00270	.03502	.00045	.0030	.00005	.00008	.320	.00003
%RSD	21.741	54.809	15.094	33.485	2.7868	.26603	6.5722	88.865	.33617	34.249
#1	.00011	-.00046	.01600	.07983	.01572	1.1402	.00077	.00003	95.501	-.00008
#2	.00015	-.00020	.01983	.12937	.01635	1.1360	.00070	.00015	95.048	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**-.00034**	**33.277**	**-.00015**	**.00400**	**.45578**	**.97537**	**.00163**	**.17483**	**.00184**
Stddev	.00002	.00022	.057	.00094	.00011	.01160	.02483	.00002	.00075	.00224
%RSD	.50573	65.035	.17216	614.35	2.7058	2.5462	2.5462	1.1487	.43032	122.01
#1	.00434	-.00018	33.237	-.00082	.00392	.44757	.95781	.00164	.17430	.00342
#2	.00431	-.00049	33.318	.00051	.00407	.46399	.99293	.00162	.17537	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00107**	W **-.05540**	**-.00027**	**.00684**	**-.00054**
Stddev	.00006	.00038	.05373	.00019	.00083	.00124
%RSD	56.936	35.812	96.998	69.097	12.107	228.64
#1	-.00006	.00134	-.09339	-.00041	.00742	.00034
#2	-.00015	.00080	-.01740	-.00014	.00625	-.00142
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.5**	**80560.**	**6718.2**
Stddev	12.9	259.	23.1
%RSD	.18345	.32110	.34385
#1	7004.4	80377.	6701.8
#2	7022.6	80743.	6734.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:49:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00393**	**49.823**	**-.00257**	**.00054**	**.00054**	**-.00005**	**1.0295**	**.01462**	**.00074**	**-.00098**	**.00025**	**-.00442**	**50.978**
Stddev	.00054	.203	.00182	.00009	.00015	.00001	.0115	.00112	.00016	.00002	.00002	.00052	.364
%RSD	13.622	.40776	70.857	17.298	26.785	28.390	1.1153	7.6432	21.760	1.7234	9.8667	11.749	.71369
#1	-.00431	49.966	-.00386	.00061	.00065	-.00006	1.0377	.01541	.00085	-.00099	.00023	-.00405	51.235
#2	-.00356	49.679	-.00128	.00048	.00044	-.00004	1.0214	.01383	.00063	-.00096	.00027	-.00479	50.720
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08272**	**.00228**	**.06709**	**-.00013**	**.00058**	**251.89**	**-.00087**	**.00171**	**-.00172**	**5.0346**	**-.00115**	**-.00635**	**-.00074**
Stddev	.00447	.00012	.00565	.00005	.00007	.55	.00005	.00047	.00036	.0527	.00441	.00054	.00848
%RSD	5.4051	5.1710	8.4179	37.974	12.157	.21658	5.9748	27.231	21.092	1.0472	382.02	8.5309	1147.7
#1	.08588	.00219	.07108	-.00017	.00063	252.27	-.00084	.00138	-.00146	5.0719	.00196	-.00674	-.00673
#2	.07956	.00236	.06309	-.00010	.00053	251.50	-.00091	.00204	-.00198	4.9973	-.00427	-.00597	.00525
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**-.00082**	**.00007**	**5.0232**	**.00991**	**.00219**	F **7.9818**	**.00058**	**.00227**	**-.06084**
Stddev	.01814	.00099	.00002	.0173	.00027	.00066	.0352	.00044	.00004	.00079
%RSD	1147.7	121.24	23.032	.34504	2.7484	30.391	.44039	75.370	1.6094	1.3043
#1	-.01441	-.00152	.00008	5.0110	.01011	.00172	8.0067	.00027	.00224	-.06028
#2	.01125	-.00012	.00006	5.0355	.00972	.00266	7.9569	.00089	.00229	-.06140
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.4**	**79818.**	**6719.9**
Stddev	1.9	361.	8.3
%RSD	.02704	.45263	.12290
#1	7054.8	80073.	6725.7
#2	7052.1	79562.	6714.0

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:52:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51063**	**.51814**	**1.0081**	**.50547**	**.49809**	**.48283**	**-.01148**	**4.8451**	**.48944**	**.50059**	**.51297**	**.49783**	**2.5309**
Stddev	.00115	.00022	.0057	.00084	.00230	.00059	.00045	.0232	.00073	.00081	.00085	.00051	.0055
%RSD	.22499	.04167	.56251	.16538	.46236	.12262	3.9608	.47839	.15002	.16103	.16657	.10279	.21695
#1	.51144	.51799	1.0041	.50488	.49972	.48325	-.01116	4.8287	.48892	.50002	.51237	.49819	2.5270
#2	.50982	.51830	1.0121	.50606	.49646	.48241	-.01180	4.8614	.48996	.50116	.51357	.49747	2.5348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.350**	**.97836**	**19.782**	**.49059**	**.51105**	**5.0716**	**.51449**	**1.0046**	**.98421**	**.00065**	**1.0085**	**1.0115**	**4.9722**
Stddev	.132	.00211	.000	.00059	.00283	.0049	.00012	.0026	.00492	.00114	.0014	.0021	.0418
%RSD	.27238	.21561	.00035	.12106	.55324	.09699	.02396	.25607	.50001	175.60	.14027	.20781	.84130
#1	48.443	.97985	19.782	.49017	.51305	5.0750	.51458	1.0064	.98769	-.00016	1.0075	1.0101	4.9426
#2	48.257	.97687	19.782	.49101	.50905	5.0681	.51440	1.0027	.98073	.00145	1.0095	1.0130	5.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.640**	**1.0141**	**.49271**	**.00327**	**.49646**	**1.0031**	**-.02220**	**.48549**	**.49738**	**.48792**
Stddev	.090	.0017	.00038	.00114	.00021	.0021	.01892	.00092	.00039	.00116
%RSD	.84130	.17206	.07658	34.727	.04160	.20993	85.247	.18921	.07779	.23693
#1	10.577	1.0129	.49298	.00408	.49660	1.0016	-.03558	.48484	.49710	.48711
#2	10.704	1.0153	.49244	.00247	.49631	1.0046	-.00882	.48614	.49765	.48874
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7116.6**	**81443.**	**6711.1**
Stddev	6.1	1.	27.0
%RSD	.08606	.00126	.40227
#1	7121.0	81444.	6730.2
#2	7112.3	81443.	6692.1

Sample Name: CCB Acquired: 11/14/2013 18:54:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**-.00011**	**-.00153**	**.00044**	**.00031**	**.00007**	**.00427**	**-.00384**	**-.00008**	**-.00002**	**-.00007**	**-.00066**
Stddev	.00026	.00000	.00199	.00048	.00006	.00011	.00075	.00691	.00012	.00006	.00000	.00004
%RSD	59.281	2.1795	129.46	108.49	19.388	160.79	17.504	179.83	158.56	269.98	5.7703	5.9765
#1	-.00026	-.00011	-.00013	.00078	.00035	-.00001	.00374	-.00873	.00001	-.00007	-.00007	-.00068
#2	-.00062	-.00011	-.00294	.00010	.00027	.00014	.00480	.00104	-.00016	.00002	-.00008	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.11067**	**.00162**	**.00272**	**.00006**	**.00023**	**.06146**	**-.00022**	**.00003**	**-.00004**	**.00148**	W **.00521**
Stddev	.00168	.03401	.00049	.00231	.00003	.00016	.00354	.00004	.00088	.00073	.00017	.00123
%RSD	111.06	30.734	29.997	84.926	47.196	70.134	5.7574	19.741	2528.9	1895.0	11.573	23.703
#1	-.00270	.13472	.00197	.00109	.00004	.00035	.05896	-.00019	-.00059	.00048	.00160	.00434
#2	-.00032	.08662	.00128	.00436	.00008	.00012	.06396	-.00026	.00065	-.00056	.00136	.00608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**.00048**	**.00104**	**-.00072**	**-.00010**	**.00225**	**-.00002**	**.00163**	**-.04003**	**-.00009**	**.00304**	**-.00169**
Stddev	.00130	.00078	.00167	.00031	.00003	.00175	.00012	.00131	.07050	.00023	.00044	.00019
%RSD	64.644	160.92	160.92	42.645	29.215	77.983	610.33	80.671	176.11	256.38	14.617	11.139
#1	.00294	-.00007	-.00014	-.00093	-.00012	.00349	.00006	.00256	-.08988	-.00025	.00272	-.00182
#2	.00110	.00103	.00221	-.00050	-.00008	.00101	-.00010	.00070	.00982	.00007	.00335	-.00156
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.0**	**83416.**	**6666.9**
Stddev	5.2	167.	5.4
%RSD	.07275	.19996	.08042
#1	7191.3	83534.	6663.1
#2	7198.7	83298.	6670.7

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:56:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00950**	**.11047**	**.01178**	**.10160**	**.01031**	**.00101**	**.11795**	**.21676**	**.00509**	**.01033**	**.01080**	**.01472**	**.10571**
Stddev	.00017	.00034	.00156	.00078	.00004	.00018	.00125	.00108	.00010	.00003	.00011	.00027	.00136
%RSD	1.8382	.30421	13.222	.77171	.34764	17.592	1.0623	.49919	1.9162	.25660	.98551	1.8357	1.2827
#1	.00962	.11023	.01068	.10104	.01034	.00114	.11707	.21600	.00502	.01031	.01072	.01491	.10475
#2	.00938	.11071	.01288	.10215	.01029	.00088	.11884	.21753	.00516	.01034	.01087	.01453	.10667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0632**	**.01047**	**.21297**	**.01037**	**.02023**	**1.0961**	**.04326**	**2.9695**	**.00983**	**.00345**	**.01168**	**.01524**	**.51102**
Stddev	.0566	.00005	.00189	.00000	.00009	.0012	.00020	.0061	.00123	.00106	.00180	.00256	.00587
%RSD	1.8461	.49576	.88765	.02647	.44913	.11124	.46466	.20397	12.563	30.639	15.375	16.796	1.1495
#1	3.0232	.01050	.21163	.01037	.02017	1.0970	.04312	2.9653	.00895	.00270	.01295	.01705	.51517
#2	3.1031	.01043	.21430	.01036	.02030	1.0953	.04340	2.9738	.01070	.00419	.01041	.01343	.50687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0936**	**.10419**	**.01011**	**.01665**	**.00991**	**.01696**	F **.09808**	**.01008**	**.02524**	**.01511**
Stddev	.0126	.00027	.00003	.00084	.00025	.00017	.04793	.00014	.00009	.00243
%RSD	1.1495	.26014	.25717	5.0672	2.4907	1.0177	48.869	1.4007	.36241	16.067
#1	1.1025	.10438	.01013	.01725	.00974	.01683	.06419	.00998	.02530	.01339
#2	1.0847	.10400	.01009	.01605	.01009	.01708	.13197	.01018	.02517	.01682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7162.4**	**82054.**	**6720.4**
Stddev	1.5	659.	18.7
%RSD	.02117	.80257	.27867
#1	7161.3	82520.	6733.7
#2	7163.4	81589.	6707.2

Sample Name: mb 280-200691/1-a Acquired: 11/14/2013 18:58:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.01714**	**-.00219**	**.00020**	**.00009**	**.00003**	**.00304**	**.00731**	**-.00015**	**.00004**
Stddev	.00002	.00046	.00115	.00029	.00018	.00006	.00079	.00077	.00013	.00004
%RSD	2.6893	2.7070	52.651	141.98	203.59	243.58	26.055	10.495	84.690	111.28
#1	-.00069	.01747	-.00301	.00000	-.00004	.00007	.00248	.00786	-.00024	.00001
#2	-.00066	.01681	-.00138	.00041	.00021	-.00002	.00360	.00677	-.00006	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00030**	**.02196**	**.09084**	**.00131**	**.03879**	**.00035**	**-.00027**	**.05401**	**.00014**
Stddev	.00002	.00036	.00196	.03223	.00094	.00280	.00003	.00007	.01035	.00004
%RSD	20.236	121.36	8.9199	35.478	71.649	7.2251	8.6213	26.920	19.172	26.285
#1	.00010	-.00056	.02335	.06805	.00065	.03681	.00038	-.00032	.06133	.00017
#2	.00008	-.00004	.02058	.11363	.00197	.04077	.00033	-.00022	.04669	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**-.00068**	**.00577**	**.00191**	**-.00047**	**.06351**	**.13591**	**-.00080**	**-.00015**	**.00196**
Stddev	.00031	.00031	.00285	.00098	.00039	.01036	.02218	.00009	.00001	.00088
%RSD	26.132	45.425	49.430	51.275	84.494	16.320	16.320	11.679	6.1710	44.777
#1	.00096	-.00090	.00375	.00260	-.00074	.05618	.12022	-.00087	-.00015	.00258
#2	.00140	-.00046	.00779	.00122	-.00019	.07084	.15159	-.00073	-.00014	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**-.00003**	**-.00551**	**.00046**	**.00362**	**-.00202**
Stddev	.00009	.00040	.01808	.00056	.00019	.00070
%RSD	3.9093	1325.9	327.86	121.21	5.2830	34.509
#1	.00230	-.00032	-.01830	.00007	.00375	-.00252
#2	.00243	.00026	.00727	.00085	.00348	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7269.1**	**84013.**	**6793.9**
Stddev	17.5	530.	25.4
%RSD	.24124	.63110	.37359
#1	7256.7	84388.	6776.0
#2	7281.5	83638.	6811.9

Sample Name: lcs 280-200691/2-a Acquired: 11/14/2013 19:01:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04989**	**1.9602**	**1.0064**	**1.0301**	**1.9875**	**.04799**	**2.0749**	**46.685**	**.09821**	**.48665**
Stddev	.00002	.0052	.0046	.0029	.0019	.00014	.0114	.057	.00050	.00177
%RSD	.04895	.26642	.45664	.28674	.09679	.28539	.54948	.12115	.51296	.36400
#1	.04991	1.9638	1.0096	1.0322	1.9862	.04790	2.0830	46.725	.09857	.48791
#2	.04987	1.9565	1.0031	1.0281	1.9889	.04809	2.0669	46.645	.09786	.48540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20592**	**.24683**	**1.0128**	**48.675**	**.98363**	**49.556**	**.48305**	**1.0270**	**50.734**	**.50245**
Stddev	.00100	.00100	.0010	.030	.00114	.035	.00033	.0035	.220	.00372
%RSD	.48698	.40698	.10378	.06231	.11614	.07041	.06909	.34167	.43389	.73945
#1	.20663	.24754	1.0135	48.697	.98282	49.581	.48281	1.0295	50.579	.50507
#2	.20521	.24612	1.0120	48.654	.98443	49.531	.48328	1.0246	50.890	.49982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.255**	**.47276**	**.02119**	**.50885**	**2.0469**	**10.063**	**21.535**	**2.0209**	**.98135**	**.98582**
Stddev	.051	.00017	.02334	.00183	.0023	.041	.088	.0017	.00078	.00202
%RSD	.50042	.03617	110.14	.35873	.11440	.40693	.40693	.08424	.07967	.20449
#1	10.292	.47288	.00469	.51014	2.0486	10.034	21.473	2.0221	.98190	.98724
#2	10.219	.47264	.03770	.50756	2.0453	10.092	21.597	2.0197	.98080	.98439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0055**	**1.9211**	F **3.2093**	**.48673**	**.48785**	**.48474**
Stddev	.0008	.0055	.0566	.00198	.00044	.00064
%RSD	.07433	.28544	1.7653	.40664	.08936	.13238
#1	1.0050	1.9250	3.1692	.48813	.48754	.48429
#2	1.0061	1.9172	3.2494	.48533	.48815	.48520
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6981.1**	**80021.**	**6805.6**
Stddev	25.5	9.	6.5
%RSD	.36504	.01181	.09490
#1	6963.1	80027.	6801.0
#2	6999.1	80014.	6810.1

Sample Name: 280-48945-d-2-b Acquired: 11/14/2013 19:03:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00734**	**.01766**	**.09826**	**.50968**	**.00002**	**-.00015**	**103.93**	**.00039**	**-.00006**
Stddev	.00004	.00005	.00023	.00012	.00162	.00004	.00123	.20	.00003	.00016
%RSD	6.7760	.74838	1.2847	.12527	.31704	221.35	815.21	.18951	6.5768	280.00
#1	-.00060	.00737	.01782	.09835	.50853	.00004	.00072	103.79	.00037	-.00017
#2	-.00055	.00730	.01750	.09818	.51082	-.00001	-.00102	104.07	.00041	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00029**	**9.7553**	**.55800**	**.00997**	**43.492**	**.48151**	**.01268**	**44.196**	**.00056**
Stddev	.00006	.00024	.0018	.03450	.00026	.081	.00150	.00010	.033	.00005
%RSD	50.042	84.609	.01791	6.1830	2.6180	.18685	.31238	.78941	.07486	8.6559
#1	.00017	.00046	9.7541	.58240	.01015	43.435	.48045	.01261	44.219	.00052
#2	.00008	.00011	9.7565	.53361	.00978	43.549	.48258	.01275	44.173	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05099**	**.00084**	**.62790**	**.00042**	**-.00045**	**10.901**	**23.328**	**-.00009**	**.68184**	**.00239**
Stddev	.00074	.00002	.00302	.00013	.00197	.001	.003	.00034	.00141	.00154
%RSD	1.4600	2.3333	.48160	31.770	435.73	.01101	.01101	366.56	.20708	64.508
#1	.05046	.00085	.62576	.00052	-.00185	10.900	23.326	.00015	.68085	.00130
#2	.05151	.00082	.63004	.00033	.00094	10.902	23.330	-.00033	.68284	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00182**	**.00010**	**.00157**	**.00450**	**-.00068**
Stddev	.00010	.00028	.01645	.00050	.00003	.00126
%RSD	36.696	15.383	16683.	31.681	.63960	186.26
#1	.00033	.00202	.01173	.00192	.00452	-.00157
#2	.00019	.00162	-.01154	.00122	.00448	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7009.4**	**80257.**	**6751.1**
Stddev	22.3	477.	29.2
%RSD	.31788	.59410	.43302
#1	6993.7	80594.	6730.4
#2	7025.2	79920.	6771.8

Sample Name: 280-48945-d-2-bSD@5 Acquired: 11/14/2013 19:05:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00765**	**.00262**	**.01998**	**.10272**	**.00001**	**.00338**	**20.686**	**.00012**	**-.00007**
Stddev	.00010	.00041	.00135	.00032	.00011	.00012	.00091	.094	.00009	.00021
%RSD	40.346	5.3361	51.369	1.5890	.10389	1086.1	26.895	.45456	75.751	324.08
#1	-.00033	.00794	.00167	.02021	.10265	-.00007	.00273	20.620	.00006	.00008
#2	-.00018	.00736	.00357	.01976	.10280	.00009	.00402	20.753	.00019	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00032**	**1.9909**	**.12897**	**.00215**	**8.6557**	**.09731**	**.00237**	**8.4205**	**-.00011**
Stddev	.00024	.00019	.0101	.02116	.00011	.0146	.00027	.00005	.0251	.00028
%RSD	3148.5	57.638	.50518	16.406	5.1244	.16832	.27554	2.0021	.29766	265.63
#1	.00017	-.00019	1.9838	.14393	.00223	8.6454	.09712	.00233	8.4382	-.00031
#2	-.00018	-.00046	1.9980	.11401	.00207	8.6660	.09750	.00240	8.4028	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00928**	**-.00069**	**.11833**	**-.00278**	**.00061**	**2.1580**	**4.6181**	**.00156**	**.13608**	**.00209**
Stddev	.00057	.00014	.00089	.00042	.00246	.0110	.0236	.00089	.00009	.00088
%RSD	6.1435	21.145	.75536	15.025	403.35	.51032	.51032	57.062	.06597	42.018
#1	.00968	-.00079	.11770	-.00308	.00235	2.1502	4.6015	.00218	.13602	.00147
#2	.00888	-.00058	.11896	-.00249	-.00113	2.1658	4.6348	.00093	.13614	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00105**	**-.01081**	**.00063**	**.00513**	**.00006**
Stddev	.00004	.00031	.02118	.00053	.00001	.00047
%RSD	28.158	29.681	195.91	84.355	.25184	797.20
#1	-.00019	.00127	-.02579	.00025	.00512	.00039
#2	-.00013	.00083	.00417	.00100	.00514	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7190.3**	**82666.**	**6798.3**
Stddev	23.5	87.	36.6
%RSD	.32711	.10536	.53886
#1	7173.7	82728.	6824.2
#2	7206.9	82605.	6772.4

Sample Name: 280-48945-d-2-c ms Acquired: 11/14/2013 19:08:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05186**	**1.9232**	**1.0556**	**1.2059**	**2.4934**	**.04848**	F **2.1086**	**146.25**	**.10025**	**.48180**
Stddev	.00052	.0008	.0025	.0013	.0035	.00000	.0015	.36	.00028	.00053
%RSD	.99491	.04344	.23958	.11096	.13933	.00893	.07207	.24791	.27784	.10982
#1	.05149	1.9238	1.0574	1.2050	2.4958	.04848	2.1075	146.51	.10005	.48142
#2	.05222	1.9226	1.0538	1.2069	2.4909	.04847	2.1097	146.00	.10045	.48217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20684**	**.25484**	**10.338**	**50.464**	**1.0172**	**92.065**	**.94676**	**1.1100**	**92.660**	**.49882**
Stddev	.00002	.00025	.048	.076	.0039	.243	.00217	.0000	.208	.00096
%RSD	.00861	.09839	.46762	.15009	.38456	.26393	.22930	.00347	.22399	.19258
#1	.20683	.25466	10.372	50.517	1.0199	92.237	.94830	1.1101	92.807	.49950
#2	.20685	.25501	10.304	50.410	1.0144	91.893	.94523	1.1100	92.514	.49814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.602**	**.46627**	**.59638**	**.54788**	**2.0826**	**21.357**	**45.704**	W **2.1196**	**1.6471**	**1.0016**
Stddev	.010	.00116	.00096	.00716	.0138	.047	.101	.0060	.0038	.0049
%RSD	.09838	.24926	.16092	1.3064	.66298	.22189	.22189	.28512	.22799	.49362
#1	10.610	.46545	.59706	.54282	2.0729	21.324	45.633	2.1153	1.6498	1.0051
#2	10.595	.46710	.59571	.55294	2.0924	21.391	45.776	2.1239	1.6445	.99807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0817**	**1.8621**	**3.1900**	**.49195**	**.48413**	**.51737**
Stddev	.0027	.0029	.0826	.00263	.00495	.00210
%RSD	.24680	.15733	2.5899	.53409	1.0223	.40576
#1	1.0836	1.8601	3.2485	.49381	.48763	.51588
#2	1.0798	1.8642	3.1316	.49009	.48063	.51885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6851.3**	**78552.**	**6640.0**
Stddev	13.8	386.	12.2
%RSD	.20086	.49180	.18447
#1	6841.5	78279.	6631.3
#2	6861.0	78825.	6648.6

Sample Name: 280-48945-d-2-d msd Acquired: 11/14/2013 19:10:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05146**	**1.9405**	**1.0629**	**1.2335**	**2.5361**	**.04890**	F **2.1220**	**149.24**	**.10137**	**.48703**
Stddev	.00092	.0014	.0001	.0005	.0065	.00043	.0046	.35	.00024	.00046
%RSD	1.7841	.07362	.01185	.04307	.25483	.87770	.21615	.23155	.23882	.09437
#1	.05211	1.9415	1.0630	1.2339	2.5406	.04920	2.1188	149.48	.10120	.48736
#2	.05081	1.9395	1.0629	1.2331	2.5315	.04859	2.1253	148.99	.10155	.48671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20872**	**.25590**	**10.649**	**50.827**	**1.0277**	**93.001**	**.95889**	**1.1333**	**94.901**	**.50336**
Stddev	.00014	.00029	.003	.154	.0031	.045	.00174	.0001	.355	.00194
%RSD	.06643	.11477	.03186	.30214	.29864	.04844	.18193	.00988	.37458	.38515
#1	.20882	.25570	10.652	50.935	1.0299	93.033	.96013	1.1333	95.152	.50473
#2	.20863	.25611	10.647	50.718	1.0256	92.969	.95766	1.1334	94.649	.50199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.701**	**.46900**	**.61473**	**.56145**	**2.1080**	**21.870**	**46.802**	W **2.1830**	**1.6814**	**1.0066**
Stddev	.002	.00017	.00807	.00239	.0098	.014	.030	.0033	.0055	.0010
%RSD	.02224	.03677	1.3134	.42620	.46565	.06378	.06378	.15047	.32877	.09792
#1	10.699	.46912	.60902	.55976	2.1011	21.860	46.781	2.1853	1.6853	1.0059
#2	10.703	.46888	.62043	.56314	2.1150	21.880	46.824	2.1807	1.6775	1.0073
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1000**	**1.8878**	**3.2449**	**.49451**	**.48434**	**.52779**
Stddev	.0008	.0003	.0171	.00068	.00035	.00004
%RSD	.07469	.01374	.52584	.13659	.07227	.00813
#1	1.1006	1.8880	3.2570	.49403	.48459	.52776
#2	1.0994	1.8876	3.2328	.49499	.48409	.52782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6839.2**	**78715.**	**6825.2**
Stddev	19.1	228.	24.0
%RSD	.27974	.29007	.35202
#1	6825.6	78553.	6842.2
#2	6852.7	78876.	6808.2

Sample Name: 280-48945-d-2-bPDS Acquired: 11/14/2013 19:12:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04490**	**.96861**	**.21877**	**.20208**	**.59543**	**.04693**	**-.00029**	**119.07**	**.04925**	**.04713**
Stddev	.00037	.00429	.00106	.00073	.00175	.00030	.00014	.75	.00016	.00004
%RSD	.82986	.44258	.48618	.35985	.29343	.63635	47.500	.62905	.32607	.07957
#1	.04463	.97164	.21801	.20157	.59420	.04672	-.00019	118.54	.04914	.04711
#2	.04516	.96558	.21952	.20260	.59667	.04714	-.00038	119.60	.04936	.04716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05015**	**.04955**	**10.464**	**19.726**	**.10773**	**61.557**	**.51718**	**.06293**	**62.776**	**.04968**
Stddev	.00003	.00034	.017	.173	.00070	.001	.00012	.00020	.289	.00004
%RSD	.06052	.68624	.16475	.87548	.65180	.00087	.02320	.31479	.46044	.07974
#1	.05013	.04979	10.452	19.604	.10723	61.557	.51709	.06279	62.572	.04965
#2	.05018	.04931	10.476	19.848	.10822	61.556	.51726	.06307	62.981	.04971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1108**	**.09142**	**.61606**	**.10173**	**.20098**	**15.538**	**33.250**	**.09781**	**.71666**	**.19184**
Stddev	.0054	.00113	.00066	.00171	.00028	.030	.063	.00127	.00236	.00115
%RSD	.25664	1.2371	.10762	1.6775	.13947	.19011	.19011	1.2994	.32976	.60047
#1	2.1069	.09062	.61559	.10053	.20118	15.517	33.206	.09871	.71498	.19102
#2	2.1146	.09222	.61652	.10294	.20078	15.558	33.295	.09691	.71833	.19265
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**.18441**	**.72104**	**.04852**	**.19344**	**.04636**
Stddev	.00018	.00017	.04155	.00025	.00130	.00122
%RSD	.36436	.09290	5.7630	.52145	.67035	2.6278
#1	.05029	.18453	.75042	.04870	.19435	.04550
#2	.05003	.18429	.69165	.04834	.19252	.04722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6942.5**	**80161.**	**6884.6**
Stddev	16.8	410.	36.4
%RSD	.24229	.51188	.52907
#1	6930.6	79871.	6910.4
#2	6954.4	80451.	6858.8

Sample Name: 280-48945-d-3-b Acquired: 11/14/2013 19:14:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.02615**	**.03229**	**.08145**	**.53552**	**-.00001**	**.00063**	**83.133**	**.00055**	**-.00017**
Stddev	.00017	.00029	.00307	.00024	.00288	.00007	.00088	.510	.00014	.00002
%RSD	27.063	1.0947	9.5011	.29679	.53840	925.15	138.77	.61396	25.419	11.517
#1	-.00051	.02635	.03012	.08128	.53348	.00004	.00125	82.772	.00065	-.00015
#2	-.00075	.02594	.03446	.08162	.53756	-.00005	.00001	83.494	.00045	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00115**	**11.403**	**1.9752**	**.00847**	**40.863**	**.32701**	**.01053**	**229.05**	**.00115**
Stddev	.00011	.00028	.065	.0129	.00050	.346	.00223	.00011	.56	.00027
%RSD	11.920	24.800	.56658	.65238	5.8862	.84730	.68186	1.0306	.24628	23.384
#1	.00101	.00094	11.357	1.9843	.00812	41.107	.32859	.01046	228.65	.00096
#2	.00085	.00135	11.448	1.9661	.00882	40.618	.32543	.01061	229.45	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20460**	**-.00169**	**6.8835**	**-.00118**	**.00180**	**10.463**	**22.391**	**-.00043**	**.57192**	**.00014**
Stddev	.00087	.00013	.0349	.00080	.00224	.062	.133	.00027	.00347	.00066
%RSD	.42713	7.5456	.50681	67.592	124.35	.59454	.59454	62.871	.60687	472.95
#1	.20522	-.00160	6.8588	-.00174	.00338	10.419	22.297	-.00024	.56947	.00061
#2	.20399	-.00178	6.9082	-.00061	.00022	10.507	22.485	-.00062	.57438	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.00031**	**-.01703**	**.00645**	**.00558**	**.00120**
Stddev	.00033	.00063	.02712	.00067	.00047	.00046
%RSD	9.8089	203.71	159.26	10.414	8.4826	38.385
#1	.00310	.00076	-.03620	.00598	.00591	.00088
#2	.00357	-.00014	.00215	.00693	.00524	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.8**	**79366.**	**6870.5**
Stddev	6.6	215.	90.2
%RSD	.09613	.27150	1.3122
#1	6906.1	79214.	6934.3
#2	6915.5	79519.	6806.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 19:17:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00479**	**49.530**	**-.00240**	**.00243**	**.00048**	**-.00005**	**1.0341**	**.01860**	**.00069**	**-.00096**	**.00018**	**-.00454**	**49.821**
Stddev	.00032	.065	.00088	.00002	.00005	.00001	.0003	.00187	.00005	.00028	.00003	.00025	.008
%RSD	6.7802	.13120	36.558	.69950	9.4800	11.066	.03236	10.080	7.4082	28.778	17.900	5.6087	.01692
#1	-.00502	49.576	-.00178	.00244	.00051	-.00005	1.0343	.01993	.00065	-.00077	.00016	-.00436	49.815
#2	-.00456	49.484	-.00302	.00242	.00045	-.00005	1.0338	.01727	.00073	-.00116	.00020	-.00473	49.827
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19876**	**.00271**	**.06748**	**-.00019**	**.00049**	**249.97**	**-.00066**	**.00449**	**-.00297**	**5.0426**	**.00096**	**-.00359**	**.01611**
Stddev	.01384	.00051	.00187	.00004	.00030	.02	.00031	.00149	.00094	.0043	.00185	.00323	.01002
%RSD	6.9649	18.653	2.7733	20.371	61.796	.00984	46.570	33.327	31.533	.08454	192.84	90.200	62.180
#1	.18897	.00306	.06880	-.00021	.00028	249.99	-.00087	.00343	-.00231	5.0395	.00227	-.00130	.00903
#2	.20854	.00235	.06616	-.00016	.00070	249.96	-.00044	.00554	-.00363	5.0456	-.00035	-.00587	.02319
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03447**	**-.00049**	**.00012**	**4.9562**	**.01005**	**.00184**	F **7.8627**	**.00042**	**.00248**	**-.05828**
Stddev	.02143	.00037	.00013	.0126	.00025	.00104	.0001	.00011	.00013	.00156
%RSD	62.180	75.059	106.03	.25448	2.4573	56.333	.00150	26.119	5.2901	2.6765
#1	.01931	-.00023	.00021	4.9473	.00987	.00111	7.8628	.00050	.00257	-.05718
#2	.04963	-.00076	.00003	4.9651	.01022	.00257	7.8626	.00034	.00239	-.05939
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.7**	**80648.**	**6832.9**
Stddev	58.0	8.	17.5
%RSD	.81468	.00932	.25684
#1	7154.7	80653.	6845.3
#2	7072.8	80643.	6820.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 19:19:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51695**	**.52179**	**1.0177**	**.51333**	**.49701**	**.48071**	**-.01166**	**4.8020**	**.49020**	**.50158**	**.51840**	**.50033**	**2.5340**
Stddev	.00310	.00025	.0019	.00010	.00280	.00309	.00284	.0302	.00094	.00032	.00021	.00046	.0036
%RSD	.59969	.04818	.18802	.02044	.56384	.64375	24.310	.62811	.19269	.06414	.04110	.09119	.14037
#1	.51475	.52197	1.0191	.51341	.49503	.47852	-.00966	4.8234	.48953	.50136	.51825	.50000	2.5365
#2	.51914	.52161	1.0164	.51326	.49899	.48289	-.01367	4.7807	.49086	.50181	.51855	.50065	2.5315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.136**	**.97209**	**19.874**	**.49151**	**.51802**	**5.1475**	**.52231**	**1.0217**	**.98489**	**-.00304**	**1.0218**	**1.0312**	**5.0241**
Stddev	.122	.00571	.044	.00121	.00028	.0177	.00059	.0008	.00278	.00276	.0018	.0002	.0407
%RSD	.25327	.58759	.21955	.24666	.05492	.34482	.11371	.07826	.28250	90.709	.17085	.01746	.81006
#1	48.050	.96805	19.843	.49066	.51781	5.1349	.52189	1.0222	.98293	-.00499	1.0206	1.0313	5.0529
#2	48.222	.97613	19.905	.49237	.51822	5.1600	.52273	1.0211	.98686	-.00109	1.0230	1.0310	4.9953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.752**	**1.0257**	**.48924**	**.00407**	**.50009**	**1.0089**	**-.03262**	**.48493**	**.49951**	**.48903**
Stddev	.087	.0007	.00343	.00082	.00068	.0003	.00324	.00217	.00269	.00293
%RSD	.81006	.07192	.70144	20.175	.13618	.02629	9.9276	.44833	.53900	.59953
#1	10.813	1.0262	.48681	.00465	.50057	1.0087	-.03491	.48646	.50141	.49110
#2	10.690	1.0251	.49167	.00349	.49960	1.0091	-.03033	.48339	.49761	.48696
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7130.6**	**81720.**	**6813.4**
Stddev	10.7	91.	12.2
%RSD	.15022	.11128	.17921
#1	7138.1	81785.	6804.7
#2	7123.0	81656.	6822.0

Sample Name: CCB Acquired: 11/14/2013 19:21:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.00002**	**-.00086**	**.00129**	**.00046**	**.00001**	**.00447**	**.00151**	**-.00009**	**-.00015**	**-.00007**	**-.00081**
Stddev	.00037	.00012	.00055	.00040	.00023	.00000	.00212	.00147	.00005	.00018	.00002	.00069
%RSD	111.40	808.26	64.431	31.217	49.977	31.594	47.381	97.219	56.064	120.17	22.437	85.090
#1	-.00059	.00007	-.00125	.00100	.00062	.00001	.00297	.00255	-.00005	-.00002	-.00006	-.00032
#2	-.00007	-.00010	-.00047	.00157	.00030	.00001	.00596	.00047	-.00012	-.00027	-.00008	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.07713**	**.00185**	**.00264**	**.00002**	**.00012**	W **.11533**	**.00011**	**.00023**	**-.00023**	**.00225**	W **.00427**
Stddev	.00448	.00555	.00040	.00320	.00004	.00001	.01413	.00027	.00055	.00075	.00335	.00166
%RSD	375.38	7.1926	21.368	121.48	153.07	10.204	12.251	241.99	239.67	330.74	148.71	38.984
#1	-.00436	.07321	.00213	.00490	.00005	.00011	.10534	-.00008	.00061	.00030	.00461	.00309
#2	.00198	.08105	.00157	.00037	.00000	.00013	.12532	.00031	-.00016	-.00076	-.00012	.00544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00177**	**-.00562**	**-.01202**	**.00011**	**-.00005**	**.00243**	**-.00021**	**.00035**	**-.00888**	**.00015**	**.00303**	**-.00071**
Stddev	.00165	.02062	.04412	.00079	.00000	.00214	.00002	.00023	.03177	.00029	.00005	.00082
%RSD	93.253	367.19	367.19	715.27	6.3407	87.915	11.468	65.133	357.65	186.74	1.7652	114.52
#1	-.00293	.00896	.01918	-.00045	-.00006	.00395	-.00019	.00019	-.03135	.00036	.00307	-.00129
#2	-.00060	-.02019	-.04322	.00067	-.00005	.00092	-.00023	.00051	.01358	-.00005	.00299	-.00014
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7158.0**	**82752.**	**6730.1**
Stddev	8.1	475.	8.8
%RSD	.11286	.57424	.13150
#1	7152.3	82416.	6723.8
#2	7163.7	83088.	6736.3

Sample Name: CCVL-2379751 Acquired: 11/14/2013 19:23:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.10965**	**.01400**	**.10203**	**.01055**	**.00097**	**.11714**	**.21374**	**.00492**	**.01053**	**.01076**	**.01459**	**.10723**	**3.0419**
Stddev	.00086	.00011	.00074	.00008	.00015	.00001	.00175	.00100	.00020	.00003	.00010	.00020	.00420	.0299
%RSD	8.3239	.09770	5.2879	.08176	1.3808	.92865	1.4965	.46716	4.1159	.32479	.94618	1.4038	3.9188	.98343
#1	.00974	.10972	.01453	.10209	.01066	.00096	.11838	.21444	.00507	.01056	.01069	.01473	.10425	3.0208
#2	.01096	.10957	.01348	.10197	.01045	.00097	.11590	.21303	.00478	.01051	.01084	.01444	.11020	3.0631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01177**	**.21338**	**.01036**	**.02021**	**1.1506**	**.04345**	**2.9693**	**.00873**	**.00165**	**.01107**	**.01282**	**.50416**	**1.0789**	**.10349**
Stddev	.00257	.00528	.00002	.00031	.0166	.00038	.0118	.00057	.00279	.00133	.00050	.03266	.0699	.00118
%RSD	21.839	2.4722	.15784	1.5138	1.4419	.86812	.39874	6.5033	169.08	12.024	3.8864	6.4787	6.4787	1.1356
#1	.01359	.21711	.01035	.02042	1.1388	.04371	2.9777	.00833	-.00032	.01013	.01247	.48106	1.0295	.10432
#2	.00995	.20965	.01037	.01999	1.1623	.04318	2.9609	.00913	.00363	.01201	.01318	.52726	1.1283	.10266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.01714**	**.00991**	**.01647**	**.04217**	**.00975**	**.02562**	**.01361**
Stddev	.00012	.00049	.00012	.00162	.05918	.00028	.00034	.00054
%RSD	1.2020	2.8868	1.1816	9.8550	140.34	2.8847	1.3419	3.9357
#1	.01003	.01679	.00983	.01532	.08402	.00995	.02537	.01324
#2	.01020	.01749	.01000	.01762	.00032	.00955	.02586	.01399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7174.4**	**81798.**	**6680.1**
Stddev	6.3	393.	98.1
%RSD	.08825	.48097	1.4687
#1	7170.0	82076.	6749.5
#2	7178.9	81520.	6610.7

Sample Name: 280-48945-d-4-b Acquired: 11/14/2013 19:26:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.02016**	**.09023**	**.10370**	**.92470**	**.00013**	**.00019**	**133.11**	**.00068**	**.00195**
Stddev	.00039	.00025	.00161	.00017	.00409	.00015	.00042	.49	.00000	.00017
%RSD	69.319	1.2564	1.7848	.16297	.44265	118.81	225.01	.37185	.63580	8.5175
#1	-.00029	.01998	.09137	.10381	.92181	.00002	-.00011	132.76	.00068	.00183
#2	-.00084	.02034	.08909	.10358	.92760	.00024	.00048	133.46	.00068	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00073**	**20.547**	**1.1945**	**.01300**	**74.224**	**.35885**	**.01019**	W **596.45**	**.00683**
Stddev	.00017	.00044	.113	.1231	.00108	.202	.00044	.00020	1.65	.00039
%RSD	16.080	59.965	.55140	10.301	8.3079	.27173	.12174	1.9555	.27588	5.7328
#1	.00116	.00104	20.467	1.1075	.01223	74.081	.35854	.01005	595.29	.00655
#2	.00092	.00042	20.627	1.2816	.01376	74.366	.35916	.01033	597.62	.00710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18472**	**-.00002**	**4.2542**	**.00072**	**-.00075**	**10.862**	**23.246**	**-.00039**	**1.3065**	**.00284**
Stddev	.00063	.00041	.0025	.00110	.00235	.040	.085	.00021	.0053	.00194
%RSD	.34210	2294.4	.05960	154.28	312.99	.36465	.36465	53.446	.40511	68.163
#1	.18517	.00027	4.2560	-.00007	-.00241	10.890	23.306	-.00054	1.3028	.00421
#2	.18427	-.00031	4.2524	.00150	.00091	10.834	23.186	-.00025	1.3103	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00009**	**-.04754**	**.00897**	**.00571**	**.00286**
Stddev	.00040	.00143	.04080	.00093	.00068	.00063
%RSD	14.229	1507.7	85.827	10.383	11.848	21.882
#1	.00310	.00110	-.01869	.00963	.00619	.00331
#2	.00253	-.00091	-.07639	.00831	.00523	.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6617.9**	**75461.**	**6737.5**
Stddev	1.7	491.	51.8
%RSD	.02629	.65100	.76933
#1	6619.1	75808.	6774.1
#2	6616.6	75113.	6700.8

Sample Name: 280-48945-d-5-b Acquired: 11/14/2013 19:28:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00632**	**.09414**	**.06880**	**.61123**	**.00007**	**-.00117**	**105.41**	**.00055**	**.00362**
Stddev	.00061	.00044	.00072	.00057	.00049	.00006	.00347	.12	.00010	.00009
%RSD	266.55	7.0191	.75961	.83292	.08031	87.476	296.11	.11309	18.024	2.5433
#1	-.00020	.00600	.09464	.06839	.61157	.00003	.00128	105.33	.00048	.00369
#2	.00066	.00663	.09363	.06920	.61088	.00012	-.00362	105.49	.00062	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00021**	**9.4789**	**.76651**	**.00693**	**56.732**	**5.5302**	**.00658**	**16.749**	**.00146**
Stddev	.00006	.00064	.0089	.02168	.00162	.036	.1030	.00017	.387	.00021
%RSD	177.14	306.97	.09429	2.8279	23.385	.06413	1.8631	2.5789	2.3127	14.711
#1	.00008	-.00024	9.4725	.75119	.00808	56.706	5.6030	.00646	16.475	.00161
#2	-.00001	.00066	9.4852	.78184	.00579	56.758	5.4573	.00669	17.022	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75173**	**.00029**	**.54324**	**.00076**	**.00059**	**15.756**	**33.717**	**-.00038**	**.98710**	**-.00107**
Stddev	.00150	.00018	.00452	.00057	.00264	.218	.467	.00050	.00083	.00023
%RSD	.19903	61.213	.83195	74.144	446.78	1.3847	1.3847	130.46	.08364	21.968
#1	.75067	.00042	.54004	.00036	.00246	15.601	33.387	-.00003	.98768	-.00123
#2	.75278	.00017	.54643	.00116	-.00128	15.910	34.047	-.00073	.98651	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00193**	**-.02743**	**.00143**	**.00473**	**-.00130**
Stddev	.00009	.00023	.01066	.00018	.00010	.00185
%RSD	71.023	11.702	38.857	12.578	2.1145	142.55
#1	-.00020	.00177	-.01990	.00130	.00480	-.00261
#2	-.00007	.00209	-.03497	.00155	.00466	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6904.6**	**79049.**	**6800.5**
Stddev	30.8	461.	58.1
%RSD	.44648	.58268	.85376
#1	6882.8	79375.	6841.5
#2	6926.4	78724.	6759.4

Sample Name: 280-48945-d-6-b Acquired: 11/14/2013 19:31:06 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00354**	**.18691**	**.09742**	**.33576**	**-.00002**	**-.00244**	**122.74**	**.00049**	**.00491**
Stddev	.00052	.00006	.00030	.00009	.00135	.00009	.00050	.24	.00019	.00013
%RSD	97.912	1.5805	.16084	.08885	.40069	585.83	20.587	.19275	38.753	2.6925
#1	-.00089	.00358	.18669	.09748	.33481	.00005	-.00280	122.57	.00036	.00500
#2	-.00016	.00351	.18712	.09736	.33671	-.00008	-.00209	122.91	.00063	.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00004**	**2.5933**	**1.3455**	**.00827**	**63.616**	**1.4380**	**.00583**	**38.884**	**.00251**
Stddev	.00003	.00039	.0100	.0239	.00238	.001	.0002	.00008	.257	.00036
%RSD	28.993	933.29	.38542	1.7753	28.768	.00222	.01216	1.4198	.66010	14.405
#1	.00009	.00024	2.6003	1.3286	.00996	63.615	1.4381	.00577	39.066	.00277
#2	.00014	-.00032	2.5862	1.3624	.00659	63.617	1.4379	.00589	38.703	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3801**	**-.00132**	**5.0332**	**-.00025**	**-.00039**	**19.353**	**41.416**	**-.00031**	**1.4268**	**.00276**
Stddev	.0070	.00097	.0129	.00050	.00435	.020	.042	.00056	.0024	.00102
%RSD	.51041	73.321	.25708	202.57	1128.9	.10193	.10193	179.03	.16650	37.082
#1	1.3851	-.00064	5.0423	-.00060	-.00346	19.367	41.446	-.00071	1.4252	.00204
#2	1.3751	-.00201	5.0240	.00011	.00269	19.339	41.386	.00008	1.4285	.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00078**	**-.02015**	**.00078**	**.00481**	**-.00187**
Stddev	.00027	.00019	.03819	.00021	.00031	.00040
%RSD	105.55	24.376	189.47	27.444	6.4829	21.118
#1	-.00006	.00092	.00685	.00093	.00459	-.00159
#2	-.00045	.00065	-.04715	.00063	.00503	-.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6948.3**	**80046.**	**6785.1**
Stddev	11.3	183.	103.3
%RSD	.16256	.22899	1.5220
#1	6940.3	80176.	6858.1
#2	6956.3	79916.	6712.1

Sample Name: 280-49103-i-2-a Acquired: 11/14/2013 19:33:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00513**	**.03370**	**.10567**	**.19394**	**.00005**	**.00066**	**105.56**	**.00064**	**.00014**
Stddev	.00054	.00015	.00188	.00046	.00013	.00001	.00186	.24	.00004	.00012
%RSD	81.594	2.9215	5.5706	.43507	.06510	17.195	281.96	.23157	6.4484	89.956
#1	-.00028	.00502	.03503	.10599	.19385	.00005	-.00065	105.38	.00061	.00005
#2	-.00104	.00523	.03238	.10534	.19403	.00006	.00197	105.73	.00067	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00006**	**3.1905**	**1.1221**	**.01138**	**63.941**	**.14231**	**.00207**	**37.455**	**.00035**
Stddev	.00003	.00027	.0101	.0343	.00374	.060	.00049	.00008	.129	.00011
%RSD	38.960	472.98	.31798	3.0521	32.851	.09374	.34636	3.7510	.34423	29.824
#1	.00011	.00013	3.1833	1.0979	.01403	63.899	.14266	.00213	37.364	.00028
#2	.00006	-.00025	3.1976	1.1463	.00874	63.984	.14197	.00202	37.546	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02676**	**-.00038**	**6.9973**	**.00101**	**-.00040**	**8.7984**	**18.829**	**-.00100**	**.58394**	**.00110**
Stddev	.00025	.00007	.0458	.00142	.00244	.0249	.053	.00090	.00112	.00116
%RSD	.95167	17.668	.65473	141.05	607.96	.28326	.28326	89.721	.19266	106.12
#1	.02658	-.00033	7.0297	.00000	-.00213	8.7808	18.791	-.00037	.58314	.00027
#2	.02694	-.00042	6.9649	.00202	.00133	8.8160	18.866	-.00164	.58473	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00053**	**-.02550**	**.00059**	**.00423**	**.00102**
Stddev	.00022	.00034	.01985	.00031	.00049	.00024
%RSD	64.956	63.888	77.848	53.075	11.502	23.921
#1	-.00050	.00077	-.03954	.00037	.00457	.00084
#2	-.00019	.00029	-.01146	.00081	.00388	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.2**	**79933.**	**6749.8**
Stddev	5.7	54.	85.2
%RSD	.08194	.06785	1.2624
#1	6906.2	79971.	6810.0
#2	6898.2	79895.	6689.5

Sample Name: 280-49103-i-3-a Acquired: 11/14/2013 19:35:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00166**	**.01140**	**.31447**	**.02338**	**-.00005**	**.00693**	**336.75**	**.00121**	**.00196**
Stddev	.00068	.00007	.00033	.00083	.00011	.00003	.00086	16.95	.00012	.00020
%RSD	182.85	4.2282	2.9356	.26504	.47287	73.503	12.426	5.0346	10.161	10.239
#1	.00011	.00161	.01116	.31388	.02330	-.00007	.00632	324.76	.00112	.00182
#2	-.00085	.00171	.01163	.31506	.02346	-.00002	.00754	348.74	.00130	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00146**	**1.0298**	**1.2412**	**.07193**	**143.52**	**.72751**	**.00241**	**164.98**	**.00580**
Stddev	.0001	.00044	.0071	.0704	.00089	1.35	.00066	.00016	.82	.00024
%RSD	19198.	30.124	.68747	5.6743	1.2387	.93942	.09065	6.6396	.49591	4.2029
#1	.00010	.00115	1.0248	1.1914	.07130	144.47	.72798	.00230	164.40	.00597
#2	-.00010	.00177	1.0348	1.2910	.07257	142.57	.72705	.00253	165.56	.00563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05852**	**-.00101**	F **370.80**	**.00064**	**-.00032**	**4.6698**	**9.9935**	**-.00064**	**4.7964**	**.00317**
Stddev	.00002	.00048	.53	.00210	.00205	.0672	.1438	.00072	.0687	.00003
%RSD	.03791	48.094	.14390	329.11	641.99	1.4386	1.4386	112.56	1.4332	1.0119
#1	.05851	-.00135	370.42	-.00085	-.00177	4.6223	9.8918	-.00013	4.8450	.00314
#2	.05854	-.00066	371.18	.00212	.00113	4.7174	10.095	-.00114	4.7478	.00319
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00107**	**-.00195**	**.00052**	**.00458**	**-.00044**
Stddev	.00071	.00163	.04008	.00020	.00018	.00004
%RSD	129.96	152.66	2052.0	38.672	3.9493	9.4724
#1	-.00004	-.00008	.02638	.00066	.00446	-.00041
#2	-.00104	.00222	-.03029	.00038	.00471	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6681.0**	**77974.**	**6775.5**
Stddev	9.7	304.	92.2
%RSD	.14551	.39041	1.3602
#1	6674.1	77758.	6840.7
#2	6687.9	78189.	6710.4

Sample Name: 280-49103-i-4-a Acquired: 11/14/2013 19:38:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00834**	**.00272**	**.03358**	**.40024**	**.00000**	**.00175**	**63.154**	**.00068**	**.01238**
Stddev	.0004	.00031	.00135	.00017	.00165	.00001	.00136	.006	.00011	.00017
%RSD	11167.	3.6890	49.584	.49498	.41213	2156.0	77.749	.00895	16.331	1.3430
#1	.00026	.00812	.00177	.03346	.40141	.00001	.00271	63.150	.00060	.01250
#2	-.00027	.00855	.00368	.03370	.39907	-.00001	.00079	63.158	.00076	.01227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00018**	**9.3889**	**.83226**	**.01239**	**26.529**	**4.9290**	**-.00023**	**55.071**	**.00387**
Stddev	.00000	.00069	.0464	.00007	.00072	.062	.0241	.00009	.571	.00016
%RSD	.65482	383.24	.49441	.00805	5.7929	.23291	.48818	40.564	1.0367	4.0789
#1	.00027	-.00031	9.4218	.83221	.01290	26.485	4.9461	-.00029	55.475	.00399
#2	.00028	.00067	9.3561	.83231	.01188	26.572	4.9120	-.00016	54.667	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61822**	**-.00105**	**20.627**	**-.00226**	**-.00069**	**19.832**	**42.441**	**-.00127**	**.28116**	**.00272**
Stddev	.00116	.00066	.017	.00143	.00089	.194	.416	.00113	.00053	.00079
%RSD	.18732	62.875	.08296	63.108	130.06	.97920	.97920	88.415	.18945	28.892
#1	.61740	-.00151	20.615	-.00125	-.00006	19.969	42.735	-.00207	.28154	.00328
#2	.61904	-.00058	20.639	-.00327	-.00132	19.695	42.147	-.00048	.28078	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00168**	**-.04684**	**.00130**	**.00391**	**.00096**
Stddev	.00031	.00061	.01470	.00008	.00026	.00006
%RSD	611.19	35.979	31.390	6.2771	6.6773	6.0399
#1	.00017	.00125	-.03644	.00136	.00373	.00100
#2	-.00027	.00211	-.05724	.00125	.00410	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7202.2**	**83319.**	**7225.6**
Stddev	6.1	196.	30.4
%RSD	.08514	.23478	.42074
#1	7197.8	83181.	7247.1
#2	7206.5	83458.	7204.1

Sample Name: 280-49103-i-5-a Acquired: 11/14/2013 19:40:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00237**	**.00135**	**.11296**	**.11565**	**-.00006**	**.00162**	**168.00**	**.00089**	**-.00023**
Stddev	.00086	.00000	.00087	.00080	.00143	.00004	.00167	.29	.00035	.00018
%RSD	137.73	.02289	64.303	.71044	1.2349	70.242	103.37	.17248	39.619	78.598
#1	-.00124	.00237	.00074	.11239	.11666	-.00003	.00280	168.21	.00064	-.00036
#2	-.00002	.00237	.00197	.11352	.11464	-.00009	.00044	167.80	.00114	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00030**	**.19575**	**1.0998**	**.01129**	**123.04**	**.52216**	**.00116**	**131.01**	**.00133**
Stddev	.00010	.00029	.00617	.0072	.00095	.27	.00109	.00006	.03	.00040
%RSD	29.228	96.451	3.1501	.65868	8.4404	.22089	.20803	5.5652	.02484	29.939
#1	.00040	-.00051	.20011	1.0947	.01197	123.24	.52292	.00112	131.03	.00161
#2	.00026	-.00010	.19139	1.1049	.01062	122.85	.52139	.00121	130.99	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05436**	**-.00133**	**114.45**	**-.00048**	**-.00042**	**8.7245**	**18.671**	**-.00045**	**.93479**	**.00375**
Stddev	.00005	.00040	.10	.00063	.00037	.1672	.358	.00000	.00085	.00139
%RSD	.09943	29.936	.08899	130.12	88.132	1.9166	1.9166	.16303	.09136	37.101
#1	.05440	-.00161	114.53	-.00093	-.00068	8.8428	18.924	-.00045	.93539	.00474
#2	.05432	-.00105	114.38	-.00004	-.00016	8.6063	18.417	-.00045	.93418	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00078**	W **-.05899**	**.00065**	**.00391**	**.00044**
Stddev	.00004	.00044	.01562	.00028	.00027	.00075
%RSD	11.829	56.273	26.472	43.450	6.8904	168.94
#1	-.00034	.00110	-.07003	.00045	.00410	-.00009
#2	-.00028	.00047	-.04795	.00085	.00372	.00097
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6828.7**	**79158.**	**7011.1**
Stddev	19.5	168.	81.1
%RSD	.28577	.21248	1.1568
#1	6842.5	79040.	6953.8
#2	6814.9	79277.	7068.5

Sample Name: 280-49103-i-6-a Acquired: 11/14/2013 19:43:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00697**	**.02608**	**.22833**	**.27579**	**.00002**	**.00087**	**120.57**	**.00092**	**-.00027**
Stddev	.00024	.00012	.00028	.00035	.00037	.00006	.00091	.66	.00003	.00026
%RSD	27.119	1.7882	1.0705	.15288	.13298	323.07	104.21	.54722	2.9717	96.761
#1	-.00107	.00689	.02589	.22808	.27553	.00006	.00023	120.11	.00090	-.00046
#2	-.00073	.00706	.02628	.22857	.27605	-.00002	.00151	121.04	.00094	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00027**	**4.1396**	**1.5462**	**.02375**	**74.142**	**.60878**	**.00458**	**198.44**	**.00260**
Stddev	.00011	.00030	.0060	.0162	.00020	.312	.00173	.00032	.43	.00032
%RSD	18.993	110.55	.14607	1.0481	.83364	.42113	.28375	6.9358	.21537	12.315
#1	.00049	.00049	4.1439	1.5348	.02361	73.921	.60756	.00436	198.14	.00282
#2	.00064	.00006	4.1353	1.5577	.02389	74.363	.61001	.00481	198.74	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0842**	**-.00131**	**51.856**	**.00010**	**.00152**	**10.805**	**23.122**	**-.00009**	**1.0645**	**.00075**
Stddev	.0049	.00005	.062	.00138	.00020	.001	.003	.00056	.0027	.00228
%RSD	.45592	4.0544	.11952	1353.6	13.422	.01315	.01315	613.38	.25279	303.56
#1	1.0807	-.00135	51.812	.00108	.00167	10.806	23.124	.00030	1.0626	-.00086
#2	1.0877	-.00127	51.900	-.00087	.00138	10.804	23.120	-.00048	1.0664	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00106**	**-.03813**	**.00562**	**.00487**	**.00296**
Stddev	.00019	.00114	.05645	.00008	.00027	.00033
%RSD	549.80	107.99	148.05	1.4886	5.5167	11.223
#1	.00010	.00186	.00179	.00568	.00468	.00273
#2	-.00017	.00025	-.07804	.00556	.00506	.00320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.7**	**80078.**	**7106.7**
Stddev	7.1	323.	8.0
%RSD	.10232	.40329	.11206
#1	6917.7	80306.	7101.1
#2	6907.7	79850.	7112.3

Sample Name: CCVH-2372891 Acquired: 11/14/2013 19:45:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00459**	**48.815**	**-.00207**	**.00085**	**.00032**	**-.00007**	**1.0447**	**.01693**	**.00071**	**-.00112**	**.00016**	**-.00479**	**49.190**
Stddev	.00078	.008	.00054	.00020	.00012	.00008	.0038	.00026	.00015	.00027	.00004	.00019	.298
%RSD	16.921	.01693	26.178	23.057	38.820	108.09	.36610	1.5424	21.284	24.557	27.209	3.9581	.60488
#1	-.00404	48.810	-.00169	.00098	.00041	-.00013	1.0420	.01674	.00081	-.00092	.00013	-.00465	48.979
#2	-.00514	48.821	-.00246	.00071	.00023	-.00002	1.0474	.01711	.00060	-.00131	.00020	-.00492	49.400
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30229**	**.00148**	**.06351**	**-.00011**	**.00007**	**247.80**	**-.00065**	**.00477**	**-.00265**	**5.0666**	**.00170**	**-.00895**	**.00426**
Stddev	.00478	.00082	.00013	.00004	.00001	.10	.00017	.00178	.00016	.0065	.00198	.00550	.00180
%RSD	1.5807	55.079	.20080	38.065	15.296	.03919	25.710	37.440	6.0720	.12897	116.56	61.439	42.239
#1	.29891	.00090	.06360	-.00014	.00008	247.87	-.00077	.00350	-.00254	5.0620	.00310	-.00506	.00553
#2	.30567	.00206	.06342	-.00008	.00007	247.73	-.00053	.00603	-.00277	5.0712	.00030	-.01283	.00299
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00911**	**-.00043**	**.00006**	**4.9526**	**.01150**	**.00246**	F **7.9747**	**.00027**	**.00161**	**-.06040**
Stddev	.00385	.00013	.00010	.0158	.00006	.00055	.0185	.00088	.00036	.00017
%RSD	42.239	30.715	157.44	.31885	.49846	22.449	.23188	323.23	22.683	.28588
#1	.01183	-.00052	.00013	4.9414	.01154	.00207	7.9616	.00090	.00135	-.06052
#2	.00639	-.00034	-.00001	4.9638	.01146	.00285	7.9878	-.00035	.00187	-.06027
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7166.8**	**81963.**	**7166.7**
Stddev	4.1	359.	37.4
%RSD	.05699	.43765	.52124
#1	7169.7	82216.	7140.2
#2	7163.9	81709.	7193.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 19:47:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51773**	**.51416**	**1.0167**	**.51123**	**.49709**	**.47614**	**-.01231**	**4.7100**	**.48465**	**.49531**	**.51547**	**.49819**	**2.5415**
Stddev	.00229	.00249	.0043	.00041	.00089	.00064	.00024	.0102	.00041	.00031	.00075	.00059	.0076
%RSD	.44238	.48494	.42043	.07922	.17895	.13358	1.9446	.21688	.08527	.06197	.14610	.11811	.29836
#1	.51611	.51240	1.0137	.51095	.49646	.47569	-.01214	4.7028	.48435	.49509	.51494	.49777	2.5361
#2	.51935	.51593	1.0197	.51152	.49772	.47659	-.01248	4.7172	.48494	.49553	.51601	.49860	2.5468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.840**	**.97138**	**19.727**	**.48543**	**.51314**	**5.1564**	**.52266**	**1.0177**	**.96981**	**.00375**	**1.0155**	**1.0364**	**5.0002**
Stddev	.070	.00287	.059	.00032	.00151	.0008	.00575	.0011	.00176	.00240	.0014	.0030	.0457
%RSD	.14625	.29511	.29918	.06592	.29451	.01622	1.1001	.10537	.18138	64.049	.13808	.28799	.91329
#1	47.791	.96935	19.685	.48520	.51207	5.1558	.51859	1.0169	.96857	.00544	1.0145	1.0385	4.9679
#2	47.889	.97340	19.769	.48565	.51421	5.1570	.52673	1.0184	.97106	.00205	1.0165	1.0343	5.0325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**1.0144**	**.48840**	**.00220**	**.49540**	**.99897**	**-.00447**	**.47818**	**.49043**	**.48919**
Stddev	.098	.0040	.00121	.00141	.00176	.00213	.04539	.00067	.00058	.00081
%RSD	.91329	.39572	.24752	63.981	.35608	.21279	1016.3	.13945	.11773	.16645
#1	10.631	1.0116	.48755	.00320	.49416	.99747	-.03656	.47771	.49002	.48861
#2	10.769	1.0172	.48926	.00121	.49665	1.0005	.02763	.47865	.49084	.48976
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7174.3**	**82395.**	**6908.8**
Stddev	26.1	134.	75.0
%RSD	.36323	.16298	1.0854
#1	7192.8	82300.	6961.8
#2	7155.9	82490.	6855.8

Sample Name: CCB Acquired: 11/14/2013 19:49:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00006**	**-.00283**	**.00115**	**.00024**	**.00009**	**.00109**	**-.00049**	**-.00002**	**-.00014**	**-.00005**	**-.00058**	**-.00118**
Stddev	.00027	.00022	.00195	.00009	.00027	.00002	.00056	.00415	.00005	.00016	.00015	.00053	.00079
%RSD	56.421	383.51	68.944	8.0532	115.90	27.734	51.245	844.22	264.55	119.33	283.94	92.473	66.915
#1	-.00028	-.00010	-.00421	.00109	.00004	.00007	.00069	-.00343	-.00005	-.00025	.00005	-.00095	-.00062
#2	-.00066	.00022	-.00145	.00122	.00043	.00010	.00148	.00245	.00002	-.00002	-.00016	-.00020	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15626**	**.00037**	**.00000**	**.00006**	**.00015**	F **.20276**	**-.00008**	**.00078**	**-.00061**	**.00570**	F **.00719**	**-.00124**	**.00763**
Stddev	.01378	.00068	.0008	.00000	.00022	.01000	.00005	.00030	.00036	.00139	.00208	.00076	.01081
%RSD	8.8210	182.31	83772.	7.0987	153.18	4.9313	62.600	38.627	58.949	24.306	28.867	61.301	141.70
#1	.14652	.00085	.00060	.00006	-.00001	.20983	-.00012	.00057	-.00036	.00668	.00572	-.00178	-.00002
#2	.16601	-.00011	-.00060	.00006	.00030	.19569	-.00004	.00100	-.00087	.00472	.00866	-.00070	.01528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.18320					.00628		
Low Limit						-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01633**	**-.00049**	**-.00005**	**.00416**	**.00042**	**.00086**	**-.04851**	**-.00014**	**.00330**	**-.00047**
Stddev	.02314	.00069	.00006	.00016	.00003	.00082	.02311	.00052	.00041	.00122
%RSD	141.70	141.95	110.62	3.8461	6.4327	94.970	47.643	369.59	12.546	258.33
#1	-.00003	-.00098	-.00009	.00427	.00040	.00145	-.06486	-.00051	.00359	-.00133
#2	.03269	.00000	-.00001	.00405	.00044	.00028	-.03217	.00023	.00301	.00039
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.6**	**82291.**	**6795.9**
Stddev	12.2	526.	80.7
%RSD	.17125	.63869	1.1875
#1	7138.3	82663.	6738.9
#2	7121.0	81920.	6853.0

Sample Name: CCVL-2379751 Acquired: 11/14/2013 19:52:16 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00933**	**.10532**	**.01364**	**.10131**	**.01015**	**.00092**	**.11530**	**.19822**	**.00466**	**.01010**	**.01042**	**.01432**	**.10274**
Stddev	.00027	.00075	.00041	.00113	.00023	.00005	.00056	.00766	.00021	.00015	.00015	.00094	.00715
%RSD	2.8461	.71090	2.9960	1.1151	2.3045	4.9168	.48802	3.8627	4.4191	1.5053	1.4670	6.5715	6.9619
#1	.00914	.10479	.01393	.10051	.01031	.00089	.11490	.19280	.00480	.00999	.01031	.01366	.09768
#2	.00952	.10585	.01335	.10211	.00998	.00095	.11570	.20363	.00451	.01021	.01052	.01499	.10779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9874**	**.01042**	**.20770**	**.00990**	**.01990**	**1.1431**	**.04218**	**2.9684**	**.00909**	**.00433**	**.01128**	**.01358**	**.52063**
Stddev	.0833	.00003	.00090	.00012	.00030	.0062	.00061	.0302	.00078	.00143	.00220	.00432	.00533
%RSD	2.7877	.25407	.43363	1.1893	1.4914	.54269	1.4505	1.0179	8.5540	33.108	19.530	31.817	1.0245
#1	2.9285	.01040	.20706	.00981	.02011	1.1387	.04174	2.9470	.00854	.00534	.01284	.01663	.52440
#2	3.0463	.01043	.20834	.00998	.01969	1.1475	.04261	2.9898	.00964	.00332	.00972	.01052	.51686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1142**	**.10388**	**.00968**	**.01580**	**.01011**	**.01620**	F **.10437**	**.00909**	**.02405**	**.01486**
Stddev	.0114	.00136	.00012	.00065	.00002	.00084	.00157	.00023	.00044	.00131
%RSD	1.0245	1.3069	1.2277	4.1359	.17953	5.1644	1.4998	2.5199	1.8277	8.7970
#1	1.1222	.10292	.00960	.01534	.01013	.01561	.10547	.00893	.02374	.01394
#2	1.1061	.10484	.00976	.01627	.01010	.01679	.10326	.00925	.02436	.01579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7290.4**	**84267.**	**6879.7**
Stddev	11.9	317.	38.9
%RSD	.16265	.37587	.56568
#1	7282.0	84043.	6907.2
#2	7298.8	84491.	6852.2

Sample Name: mb 280-200045/1-a Acquired: 11/14/2013 19:54:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.02766**	**-.00106**	**.00047**	**.00012**	**-.00006**	**.00584**	**.00306**	**-.00003**	**-.00019**
Stddev	.00030	.00001	.00257	.00015	.00024	.00001	.00017	.00254	.00019	.00002
%RSD	96.425	.01823	242.05	32.676	198.28	19.236	2.8923	82.964	694.91	8.4825
#1	-.00052	.02766	.00076	.00058	-.00005	-.00006	.00596	.00127	.00011	-.00020
#2	-.00010	.02766	-.00288	.00036	.00029	-.00007	.00572	.00486	-.00016	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00025**	**.00192**	**.14614**	**.00329**	**.00336**	**.00041**	**-.00033**	**.17316**	**-.00023**
Stddev	.00001	.00032	.00022	.01018	.00078	.00139	.00004	.00026	.01553	.00010
%RSD	19.041	126.07	11.648	6.9671	23.608	41.378	9.2294	80.149	8.9663	42.300
#1	.00006	-.00048	.00208	.13894	.00384	.00434	.00044	-.00014	.18414	-.00016
#2	.00005	-.00003	.00176	.15334	.00274	.00237	.00039	-.00051	.16218	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00005**	**.01247**	**.00125**	**.00016**	**.01373**	**.02939**	**-.00020**	**-.00008**	**.00184**
Stddev	.00012	.00016	.00047	.00105	.00125	.01063	.02275	.00003	.00018	.00100
%RSD	534.85	327.96	3.7772	84.128	760.55	77.396	77.396	14.458	218.41	54.521
#1	-.00006	.00006	.01280	.00051	-.00072	.02125	.04547	-.00022	-.00021	.00113
#2	.00011	-.00016	.01213	.00200	.00105	.00622	.01330	-.00018	.00004	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00033**	**-.02365**	**-.00025**	**.00407**	**.00031**
Stddev	.00018	.00076	.00774	.00004	.00009	.00016
%RSD	169.81	230.72	32.719	15.620	2.1431	51.832
#1	-.00002	.00087	-.02912	-.00027	.00401	.00042
#2	.00023	-.00021	-.01818	-.00022	.00413	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.9**	**83689.**	**6847.8**
Stddev	8.3	265.	28.9
%RSD	.11467	.31648	.42203
#1	7190.0	83501.	6868.2
#2	7201.7	83876.	6827.3

Sample Name: lcs 280-200045/2-a Acquired: 11/14/2013 19:56:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05150**	**2.0134**	**1.0612**	**1.0752**	**2.0695**	**.04993**	**2.1654**	**47.990**	**.10155**	**.50201**
Stddev	.00002	.0074	.0089	.0049	.0042	.00065	.0039	.037	.00003	.00018
%RSD	.04541	.36793	.84012	.45804	.20257	1.3072	.17978	.07760	.03425	.03534
#1	.05148	2.0187	1.0675	1.0717	2.0665	.04946	2.1627	47.964	.10152	.50214
#2	.05151	2.0082	1.0549	1.0787	2.0724	.05039	2.1682	48.016	.10157	.50188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21432**	**.25866**	**1.0438**	**50.510**	**1.0253**	**51.193**	**.50106**	**1.0660**	**53.101**	**.52250**
Stddev	.00044	.00237	.0123	.017	.0003	.034	.00081	.0015	.314	.00047
%RSD	.20413	.91471	1.1758	.03409	.02954	.06708	.16132	.13787	.59183	.09082
#1	.21401	.25698	1.0351	50.497	1.0250	51.217	.50163	1.0649	52.879	.52283
#2	.21463	.26033	1.0525	50.522	1.0255	51.168	.50049	1.0670	53.323	.52216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.713**	**.48211**	**2.0948**	**.52486**	**2.1273**	**10.486**	**22.439**	**2.0808**	**1.0177**	**1.0261**
Stddev	.001	.00124	.0081	.00198	.0022	.029	.061	.0012	.0023	.0010
%RSD	.00650	.25672	.38536	.37666	.10271	.27266	.27266	.05781	.22220	.09422
#1	10.712	.48299	2.0891	.52346	2.1257	10.506	22.482	2.0817	1.0161	1.0254
#2	10.713	.48124	2.1005	.52626	2.1288	10.465	22.396	2.0800	1.0193	1.0268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0438**	**1.9715**	F **3.3230**	**.50393**	**.50479**	**.50254**
Stddev	.0017	.0032	.0297	.00023	.00022	.00093
%RSD	.16429	.16067	.89294	.04608	.04313	.18580
#1	1.0450	1.9692	3.3440	.50376	.50495	.50320
#2	1.0425	1.9737	3.3020	.50409	.50464	.50188
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.1**	**79958.**	**6804.8**
Stddev	20.8	209.	85.8
%RSD	.29757	.26195	1.2608
#1	6962.4	79810.	6744.1
#2	6991.8	80106.	6865.4

Sample Name: lcsd 280-200045/3-a Acquired: 11/14/2013 19:58:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05067**	**1.9797**	**1.0341**	**1.0582**	**2.0250**	**.04854**	**2.1295**	**46.963**	**.09954**	**.49332**
Stddev	.00054	.0030	.0023	.0030	.0004	.00010	.0042	.055	.00020	.00006
%RSD	1.0654	.15347	.22031	.28015	.02038	.19782	.19574	.11648	.20555	.01215
#1	.05029	1.9819	1.0357	1.0561	2.0253	.04847	2.1265	47.001	.09969	.49336
#2	.05106	1.9776	1.0325	1.0603	2.0247	.04861	2.1324	46.924	.09940	.49328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21191**	**.25415**	**1.0260**	**49.193**	**1.0004**	**50.004**	**.49028**	**1.0563**	**51.639**	**.51479**
Stddev	.00077	.00033	.0045	.145	.0009	.111	.00067	.0015	.174	.00283
%RSD	.36163	.12811	.43800	.29557	.08795	.22129	.13713	.14132	.33702	.54948
#1	.21137	.25438	1.0292	49.295	1.0010	49.926	.48980	1.0552	51.762	.51279
#2	.21245	.25392	1.0228	49.090	.99974	50.082	.49075	1.0573	51.516	.51680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.476**	**.47317**	**2.0619**	**.51817**	**2.0734**	**10.354**	**22.158**	**2.0553**	**.99659**	**1.0069**
Stddev	.040	.00090	.0049	.00032	.0009	.071	.151	.0042	.00016	.0001
%RSD	.37961	.18941	.23976	.06217	.04222	.68218	.68218	.20193	.01557	.01422
#1	10.448	.47254	2.0584	.51840	2.0740	10.404	22.265	2.0524	.99648	1.0068
#2	10.505	.47380	2.0654	.51794	2.0728	10.304	22.051	2.0582	.99670	1.0070
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0306**	**1.9295**	F **3.2816**	**.49340**	**.49009**	**.49446**
Stddev	.0004	.0004	.0014	.00088	.00067	.00490
%RSD	.04295	.01922	.04215	.17762	.13616	.99048
#1	1.0303	1.9297	3.2806	.49402	.48962	.49793
#2	1.0309	1.9292	3.2826	.49278	.49056	.49100
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6937.6**	**79971.**	**6761.9**
Stddev	4.8	350.	17.9
%RSD	.06877	.43797	.26436
#1	6934.3	80219.	6749.3
#2	6941.0	79723.	6774.6

Sample Name: 280-48951-b-16-b Acquired: 11/14/2013 20:01:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00340**	**-.00143**	**.00346**	**.00007**	**-.00004**	**.00250**	**.02428**	**.00022**	**-.00010**
Stddev	.00034	.00021	.00059	.00093	.00016	.00008	.00155	.00527	.00009	.00006
%RSD	36.697	6.2185	41.335	26.953	239.37	182.63	62.205	21.697	41.196	60.110
#1	-.00118	.00325	-.00101	.00412	.00019	-.00010	.00140	.02800	.00016	-.00014
#2	-.00069	.00354	-.00185	.00280	-.00005	.00001	.00359	.02055	.00029	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00070**	**.00469**	**.15256**	**.00118**	**.01261**	**.00031**	**.00043**	**.21900**	**-.00027**
Stddev	.00003	.00008	.00172	.03859	.00080	.00188	.00004	.00021	.01010	.00027
%RSD	88.622	11.379	36.664	25.298	68.107	14.931	14.270	47.931	4.6131	102.85
#1	.00001	-.00064	.00591	.17985	.00061	.01128	.00034	.00058	.22615	-.00046
#2	.00006	-.00076	.00347	.12527	.00175	.01394	.00028	.00029	.21186	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00834**	**-.00013**	**.01557**	**.00076**	**.00447**	**.01601**	**.03426**	**-.00026**	**.00007**	**.00353**
Stddev	.00128	.00031	.00328	.00103	.00383	.00074	.00159	.00012	.00003	.00105
%RSD	15.288	235.33	21.038	134.57	85.833	4.6364	4.6364	47.207	40.485	29.832
#1	.00744	-.00036	.01788	.00149	.00176	.01653	.03538	-.00035	.00005	.00428
#2	.00925	.00009	.01325	.00004	.00718	.01548	.03314	-.00018	.00009	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00043**	**-.02648**	**.00005**	**.00360**	**-.00060**
Stddev	.00002	.00036	.01292	.00006	.00011	.00005
%RSD	6.5640	84.037	48.803	110.61	3.0207	9.0704
#1	.00026	.00069	-.03561	.00001	.00368	-.00063
#2	.00024	.00018	-.01734	.00009	.00352	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7201.7**	**83875.**	**6853.4**
Stddev	12.4	4.	10.9
%RSD	.17168	.00417	.15932
#1	7193.0	83872.	6861.1
#2	7210.5	83877.	6845.7

Sample Name: 280-48797-b-1-c Acquired: 11/14/2013 20:03:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00701**	**.00257**	**.21101**	**.03538**	**.00004**	**.00236**	**39.119**	**.00037**	**.00086**
Stddev	.00049	.00001	.00106	.00100	.00029	.00005	.00003	.118	.00004	.00000
%RSD	100.66	.14951	41.058	.47581	.83083	124.52	1.2411	.30171	10.382	.52878
#1	-.00084	.00700	.00332	.21172	.03517	.00001	.00238	39.202	.00040	.00086
#2	-.00014	.00702	.00183	.21030	.03558	.00008	.00234	39.035	.00035	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01880**	**.18452**	**5.7027**	**.05677**	**23.075**	**.26092**	**.00514**	**187.32**	**.01587**
Stddev	.00001	.00019	.00461	.0409	.00479	.032	.00001	.00006	.66	.00031
%RSD	2.9033	1.0106	2.4968	.71725	8.4337	.13850	.00487	1.2639	.35434	1.9414
#1	.00049	.01866	.18126	5.6738	.05338	23.053	.26093	.00510	187.78	.01609
#2	.00047	.01893	.18778	5.7316	.06015	23.098	.26091	.00519	186.85	.01565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02296**	**.00039**	**122.90**	**-.00087**	**.00137**	**1.8609**	**3.9823**	**.00074**	**1.2448**	**.00156**
Stddev	.00189	.00005	.13	.00134	.00099	.0045	.0095	.00017	.0027	.00151
%RSD	8.2397	12.262	.10877	154.74	72.167	.23910	.23910	23.374	.21615	96.725
#1	.02162	.00042	123.00	-.00181	.00207	1.8640	3.9890	.00086	1.2467	.00263
#2	.02429	.00035	122.81	.00008	.00067	1.8577	3.9756	.00061	1.2429	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00007**	**-.03454**	**.00021**	**.28241**	**.00357**
Stddev	.00009	.00043	.07185	.00003	.00063	.00071
%RSD	62.752	632.05	208.00	13.247	.22208	19.911
#1	-.00020	-.00037	-.08535	.00019	.28197	.00407
#2	-.00008	.00024	.01626	.00023	.28286	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6814.8**	**78325.**	**6839.3**
Stddev	11.6	415.	10.4
%RSD	.16964	.52998	.15166
#1	6806.6	78619.	6846.6
#2	6823.0	78032.	6831.9

Sample Name: 280-48797-b-1-cSD@5 Acquired: 11/14/2013 20:05:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.01095**	**-.00222**	**.04418**	**.00735**	**-.00001**	**.00450**	**7.9667**	**.00012**	**.00027**
Stddev	.00042	.00001	.00269	.00011	.00007	.00008	.00077	.0392	.00017	.00020
%RSD	50.922	.07865	121.47	.25653	.94057	1301.7	17.045	.49184	138.19	74.775
#1	-.00053	.01095	-.00031	.04426	.00740	.00005	.00504	7.9390	.00024	.00013
#2	-.00112	.01096	-.00412	.04410	.00730	-.00006	.00396	7.9944	.00000	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00337**	**.04795**	**1.2582**	**.01261**	**4.7693**	**.05357**	**.00085**	**38.677**	**.00325**
Stddev	.00020	.00023	.00133	.0516	.00095	.0086	.00002	.00006	.013	.00025
%RSD	79.426	6.8986	2.7699	4.1026	7.5040	.17958	.03190	6.4955	.03458	7.6994
#1	.00038	.00353	.04889	1.2217	.01194	4.7754	.05358	.00081	38.686	.00307
#2	.00011	.00320	.04702	1.2947	.01328	4.7633	.05355	.00089	38.667	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00398**	**-.00033**	**24.447**	**.00018**	**-.00392**	**.36333**	**.77752**	**.00201**	**.25155**	**.00233**
Stddev	.00072	.00068	.012	.00054	.00216	.01302	.02787	.00015	.00139	.00023
%RSD	18.204	207.12	.04985	303.84	54.971	3.5848	3.5848	7.5601	.55217	9.7992
#1	.00347	.00015	24.456	.00056	-.00240	.37254	.79723	.00191	.25057	.00217
#2	.00449	-.00081	24.439	-.00020	-.00545	.35412	.75781	.00212	.25254	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00021**	**-.03248**	**.00004**	**.06224**	**-.00090**
Stddev	.00020	.00006	.02419	.00038	.00065	.00016
%RSD	165.98	28.856	74.471	894.72	1.0450	18.263
#1	-.00002	.00016	-.01538	.00031	.06270	-.00078
#2	.00026	.00025	-.04959	-.00023	.06178	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.7**	**82271.**	**6863.8**
Stddev	9.4	478.	15.7
%RSD	.13183	.58041	.22942
#1	7107.3	81933.	6874.9
#2	7094.1	82608.	6852.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:07:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00568**	**48.911**	**.00024**	**.00144**	**.00057**	**-.00005**	**1.0470**	**.02115**	**.00084**	**-.00092**	**.00029**	**-.00468**	**50.111**
Stddev	.00005	.153	.00375	.00082	.00038	.00006	.0031	.00120	.00030	.00019	.00004	.00068	.091
%RSD	.95529	.31264	1569.1	56.727	66.434	122.03	.29412	5.6799	35.344	20.453	12.253	14.535	.18205
#1	-.00572	49.019	-.00241	.00202	.00030	-.00001	1.0492	.02200	.00105	-.00105	.00026	-.00517	50.175
#2	-.00564	48.802	.00289	.00087	.00084	-.00010	1.0448	.02030	.00063	-.00079	.00031	-.00420	50.046
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24672**	**.00240**	**.11138**	**.00057**	**.00048**	**247.42**	**-.00045**	**.00408**	**-.00164**	**5.0604**	**.00257**	**-.00348**	**-.00054**
Stddev	.07413	.00157	.06404	.00103	.00013	.20	.00036	.00034	.00019	.0081	.00110	.00138	.00566
%RSD	30.045	65.447	57.498	182.73	27.289	.07919	81.405	8.3963	11.326	.15956	42.807	39.571	1047.6
#1	.19430	.00129	.06610	-.00017	.00057	247.56	-.00019	.00384	-.00177	5.0547	.00334	-.00251	-.00454
#2	.29913	.00351	.15667	.00130	.00039	247.29	-.00070	.00432	-.00151	5.0661	.00179	-.00446	.00346
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**-.00030**	**.00020**	**4.9393**	**.01215**	**.00230**	F **8.0359**	**.00102**	**.00194**	**-.06143**
Stddev	.01212	.00109	.00004	.0155	.00080	.00071	.0761	.00031	.00075	.00196
%RSD	1047.6	361.11	18.415	.31417	6.5643	31.008	.94741	29.972	38.431	3.1923
#1	-.00973	.00047	.00017	4.9503	.01159	.00280	8.0898	.00080	.00141	-.06004
#2	.00741	-.00108	.00022	4.9283	.01272	.00179	7.9821	.00124	.00247	-.06282
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7085.6**	**80795.**	**6893.9**
Stddev	3.4	257.	48.7
%RSD	.04731	.31765	.70679
#1	7083.3	80613.	6928.3
#2	7088.0	80976.	6859.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:10:22 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52087**	**.52246**	**1.0235**	**.51657**	**.49780**	**.47476**	**-.01064**	**4.6774**	**.48546**	**.49622**	**.51898**	**.49686**	**2.5440**
Stddev	.00066	.00585	.0035	.00191	.00108	.00026	.00205	.0028	.00118	.00071	.00107	.00116	.0126
%RSD	.12612	1.1194	.34201	.36957	.21693	.05536	19.245	.05954	.24264	.14400	.20624	.23410	.49484
#1	.52134	.52660	1.0260	.51792	.49857	.47495	-.00919	4.6793	.48629	.49673	.51973	.49768	2.5529
#2	.52041	.51833	1.0211	.51522	.49704	.47458	-.01209	4.6754	.48462	.49572	.51822	.49604	2.5351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.512**	**.97550**	**19.730**	**.48260**	**.51451**	**5.1091**	**.52217**	**1.0250**	**.96322**	**.00079**	**1.0112**	**1.0465**	**4.9763**
Stddev	.136	.00218	.045	.00094	.00128	.0138	.00183	.0003	.00587	.00056	.0010	.0012	.0024
%RSD	.28712	.22336	.22584	.19581	.24940	.27092	.35096	.02488	.60951	70.494	.09397	.11167	.04914
#1	47.608	.97704	19.762	.48326	.51360	5.1189	.52346	1.0252	.95907	.00040	1.0106	1.0457	4.9781
#2	47.416	.97396	19.699	.48193	.51541	5.0993	.52087	1.0248	.96737	.00118	1.0119	1.0473	4.9746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.649**	**1.0168**	**.48883**	**.00420**	**.49511**	**.99792**	**-.02833**	**.47924**	**.49133**	**.48427**
Stddev	.005	.0004	.00010	.00034	.00005	.00142	.03945	.00040	.00168	.00234
%RSD	.04914	.03779	.01984	8.1883	.00986	.14191	139.23	.08445	.34265	.48331
#1	10.653	1.0170	.48890	.00396	.49515	.99692	-.05623	.47953	.49252	.48593
#2	10.646	1.0165	.48877	.00444	.49508	.99892	-.00044	.47896	.49014	.48262
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7188.9**	**82572.**	**6920.0**
Stddev	15.9	51.	23.0
%RSD	.22064	.06122	.33245
#1	7177.7	82607.	6936.3
#2	7200.2	82536.	6903.7

Sample Name: CCB Acquired: 11/14/2013 20:12:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00868**	**.00013**	**.00123**	**.00032**	**.00009**	**.00232**	**.00183**	**.00013**	**-.00020**	**.00011**	**-.00106**
Stddev	.00015	.01193	.00242	.00046	.00002	.00004	.00103	.00203	.00018	.00021	.00014	.00022
%RSD	22.411	137.45	1812.5	37.197	4.7604	46.360	44.461	110.89	143.11	105.80	134.99	20.875
#1	-.00080	.01712	.00184	.00155	.00033	.00006	.00159	.00326	.00026	-.00005	.00021	-.00091
#2	-.00058	.00024	-.00158	.00091	.00031	.00012	.00305	.00039	.00000	-.00034	.00000	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**.16635**	**.00238**	**.00341**	**-.00002**	**.00045**	W **.14321**	**.00004**	**.00046**	**-.00085**	**.02224**	F **.00764**
Stddev	.00031	.02804	.00038	.00010	.00004	.00009	.00549	.00032	.00153	.00044	.02707	.00016
%RSD	13.660	16.856	16.138	2.9630	210.67	20.803	3.8367	813.20	331.43	51.355	121.72	2.1042
#1	-.00245	.14652	.00265	.00348	.00001	.00038	.14710	.00027	.00155	-.00116	.04138	.00775
#2	-.00202	.18618	.00211	.00334	-.00005	.00052	.13933	-.00019	-.00062	-.00054	.00310	.00752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00101**	**.00216**	**.00006**	**-.00010**	**.00403**	**-.00020**	**.00078**	**-.02479**	**-.00001**	**.00243**	**-.00023**
Stddev	.00223	.00046	.00099	.00023	.00007	.00014	.00005	.00065	.01629	.00031	.00049	.00019
%RSD	127.70	45.951	45.951	417.77	65.971	3.5207	25.092	83.275	65.692	2509.7	20.150	84.216
#1	.00333	.00134	.00286	.00022	-.00006	.00413	-.00017	.00124	-.03631	.00021	.00208	-.00037
#2	.00017	.00068	.00146	-.00011	-.00015	.00393	-.00024	.00032	-.01328	-.00023	.00278	-.00009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7164.6**	**82507.**	**6779.7**
Stddev	2.5	27.	23.9
%RSD	.03460	.03263	.35201
#1	7162.9	82526.	6796.6
#2	7166.4	82488.	6762.8

Sample Name: CCVL2379751 Acquired: 11/14/2013 20:14:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00968**	**.10713**	**.01325**	**.10212**	**.01034**	**.00095**	**.11572**	**.20010**	**.00479**	**.01030**	**.01051**	**.01467**	**.10295**
Stddev	.00030	.00006	.00058	.00067	.00034	.00007	.00183	.00137	.00005	.00003	.00001	.00009	.00233
%RSD	3.0901	.05602	4.3844	.65843	3.3272	7.7192	1.5821	.68516	1.0414	.24542	.14178	.62481	2.2634
#1	.00989	.10709	.01366	.10164	.01010	.00090	.11442	.20107	.00482	.01032	.01050	.01461	.10460
#2	.00946	.10717	.01284	.10259	.01058	.00100	.11701	.19913	.00475	.01028	.01052	.01474	.10130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9527**	**.01191**	**.20991**	**.01001**	**.02011**	**1.1229**	**.04286**	**2.9981**	**.00837**	**.00548**	**.01071**	**.01752**	**.50212**
Stddev	.0179	.00182	.00031	.00007	.00011	.0029	.00009	.0105	.00039	.00359	.00037	.00393	.01242
%RSD	.60632	15.298	.14861	.73839	.54956	.26051	.21774	.34915	4.7115	65.626	3.4559	22.447	2.4741
#1	2.9400	.01319	.21013	.00996	.02004	1.1208	.04293	3.0055	.00865	.00293	.01045	.02030	.49333
#2	2.9653	.01062	.20969	.01007	.02019	1.1250	.04280	2.9907	.00809	.00802	.01098	.01474	.51090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0745**	**.10390**	**.00981**	**.01505**	**.00996**	**.01600**	F **.14180**	**.00920**	**.02331**	**.01397**
Stddev	.0266	.00144	.00007	.00096	.00027	.00035	.01667	.00066	.00032	.00053
%RSD	2.4741	1.3901	.73424	6.3988	2.7120	2.2112	11.758	7.1352	1.3857	3.8137
#1	1.0557	.10492	.00976	.01437	.00976	.01575	.13001	.00873	.02309	.01434
#2	1.0933	.10287	.00986	.01573	.01015	.01625	.15359	.00966	.02354	.01359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7303.8**	**83720.**	**6840.2**
Stddev	13.7	181.	7.1
%RSD	.18725	.21679	.10339
#1	7294.2	83592.	6845.2
#2	7313.5	83848.	6835.2

Sample Name: mb 280-199858/1-b Acquired: 11/14/2013 20:17:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00109**	**.00208**	**-.00127**	**-.00031**	**.00010**	**.00002**	**.00342**	**.00945**	**.00003**	**-.00032**
Stddev	.00059	.00010	.00172	.00072	.00004	.00002	.00037	.00078	.00001	.00018
%RSD	54.450	4.8860	135.61	232.24	39.847	118.09	10.940	8.2464	26.813	55.561
#1	-.00151	.00201	-.00248	.00020	.00007	.00004	.00369	.00890	.00002	-.00019
#2	-.00067	.00215	-.00005	-.00082	.00012	.00000	.00316	.01000	.00003	-.00044
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00042**	**.00469**	**.11967**	**.00375**	**.00822**	**.00017**	**.00002**	W **.14756**	**.00022**
Stddev	.00003	.00032	.00305	.05392	.00035	.00047	.00001	.00004	.00223	.00046
%RSD	78.342	76.508	64.906	45.057	9.4201	5.6929	3.1203	177.08	1.5106	209.55
#1	-.00002	-.00065	.00685	.15780	.00350	.00789	.00018	.00004	.14913	-.00010
#2	-.00006	-.00019	.00254	.08155	.00400	.00855	.00017	-.00001	.14598	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00013**	F **.01469**	**.00086**	**.00029**	F **.01376**	**.02945**	**-.00105**	**-.00012**	W **.00288**
Stddev	.00104	.00028	.00156	.00017	.00055	.00915	.01958	.00007	.00020	.00191
%RSD	306.81	210.78	10.609	19.316	192.73	66.481	66.481	6.6400	166.74	66.456
#1	.00040	.00007	.01359	.00074	.00068	.00729	.01561	-.00100	-.00026	.00423
#2	-.00108	-.00033	.01579	.00097	-.00010	.02023	.04330	-.00110	.00002	.00152
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00074**	**-.02984**	**.00004**	**.00302**	**.00023**
Stddev	.00019	.00031	.02341	.00007	.00034	.00014
%RSD	864.86	41.771	78.445	163.07	11.145	60.545
#1	.00016	.00052	-.04639	-.00001	.00325	.00033
#2	-.00011	.00096	-.01329	.00009	.00278	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7256.2**	**83441.**	**6877.1**
Stddev	3.8	143.	22.5
%RSD	.05170	.17157	.32675
#1	7253.5	83542.	6861.2
#2	7258.8	83340.	6893.0

Sample Name: lcs 280-199858/2-b Acquired: 11/14/2013 20:19:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05081**	**1.9582**	**1.0251**	**1.0445**	**1.9980**	**.04779**	**2.1259**	**46.253**	**.09845**	**.48585**
Stddev	.00008	.0011	.0014	.0016	.0008	.00000	.0015	.081	.00009	.00038
%RSD	.15958	.05593	.13615	.14932	.03803	.01001	.07029	.17593	.08913	.07765
#1	.05076	1.9590	1.0261	1.0434	1.9985	.04779	2.1248	46.311	.09852	.48612
#2	.05087	1.9574	1.0241	1.0456	1.9974	.04780	2.1270	46.196	.09839	.48559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20809**	**.25072**	**1.0081**	**48.665**	**.98747**	**49.741**	**.48293**	**1.0256**	**51.103**	**.50852**
Stddev	.00006	.00019	.0087	.087	.00233	.119	.00116	.0014	.285	.00140
%RSD	.02707	.07601	.86391	.17971	.23590	.23934	.23970	.13442	.55790	.27475
#1	.20813	.25059	1.0019	48.727	.98912	49.826	.48375	1.0246	50.901	.50753
#2	.20805	.25086	1.0142	48.604	.98583	49.657	.48211	1.0265	51.305	.50950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.449**	**.47017**	**.00604**	**.51180**	**2.1076**	**10.120**	**21.656**	**2.0221**	**.98155**	**.99130**
Stddev	.011	.00115	.00088	.00007	.0030	.015	.032	.0081	.00094	.00296
%RSD	.10983	.24535	14.552	.01454	.14320	.14851	.14851	.40004	.09607	.29889
#1	10.441	.47099	.00666	.51175	2.1055	10.130	21.679	2.0163	.98222	.99339
#2	10.457	.46936	.00542	.51185	2.1098	10.109	21.634	2.0278	.98089	.98920
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0035**	**1.9307**	F **3.2337**	**.48518**	**.48965**	**.48163**
Stddev	.0007	.0005	.0165	.00142	.00058	.00190
%RSD	.06762	.02604	.51014	.29169	.11785	.39349
#1	1.0030	1.9311	3.2221	.48417	.49006	.48297
#2	1.0039	1.9304	3.2454	.48618	.48924	.48029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7021.9**	**80533.**	**6861.4**
Stddev	14.7	227.	18.4
%RSD	.20905	.28201	.26763
#1	7032.3	80372.	6848.5
#2	7011.5	80693.	6874.4

Sample Name: 280-48924-c-1-b Acquired: 11/14/2013 20:21:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01033**	**-.00390**	**.03383**	**.00038**	**-.00001**	**.00425**	**.03257**	**-.00010**	**.00013**
Stddev	.00016	.00048	.00049	.00035	.00034	.00007	.00049	.00242	.00008	.00029
%RSD	20.473	4.6280	12.516	1.0450	89.357	573.85	11.538	7.4447	83.584	223.30
#1	-.00068	.00999	-.00356	.03358	.00014	-.00006	.00390	.03085	-.00016	.00033
#2	-.00090	.01066	-.00425	.03408	.00062	.00004	.00459	.03428	-.00004	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**-.00013**	**.00265**	**.14303**	**.00029**	**.00299**	**.00031**	**.00057**	**.13680**	**.00105**
Stddev	.00006	.00006	.00113	.01401	.00065	.00023	.00004	.00008	.01458	.00001
%RSD	1.6297	41.628	42.621	9.7923	220.96	7.8396	13.424	14.851	10.658	1.3169
#1	.00338	-.00017	.00345	.15293	-.00016	.00316	.00033	.00051	.12649	.00104
#2	.00346	-.00009	.00185	.13313	.00075	.00283	.00028	.00063	.14711	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**.00005**	**.00751**	**.00141**	**-.00082**	**.02525**	**.05404**	**-.00074**	**.00020**	**.00391**
Stddev	.00062	.00048	.00011	.00066	.00179	.00515	.01102	.00046	.00007	.00028
%RSD	34.641	963.25	1.4185	46.941	217.13	20.396	20.396	62.653	34.715	7.0740
#1	.00223	-.00029	.00744	.00188	-.00209	.02890	.06184	-.00107	.00024	.00411
#2	.00135	.00039	.00759	.00094	.00044	.02161	.04625	-.00041	.00015	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00092**	W **-.05533**	**-.00002**	**.00412**	**.00024**
Stddev	.00005	.00038	.02029	.00027	.00024	.00138
%RSD	6.5628	41.192	36.681	1325.1	5.8652	573.24
#1	.00080	.00119	-.06968	.00017	.00395	.00122
#2	.00073	.00065	-.04098	-.00021	.00429	-.00074
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7275.2**	**84636.**	**7024.2**
Stddev	16.0	349.	61.1
%RSD	.22041	.41206	.86969
#1	7263.8	84882.	7067.4
#2	7286.5	84389.	6981.0

Sample Name: 280-48924-c-2-b@5 Acquired: 11/14/2013 20:23:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00711**	**.00008**	**.00757**	**.02104**	**.00003**	**.00401**	**5.8730**	**-.00003**	**.00015**
Stddev	.00059	.00017	.00083	.00015	.00002	.00000	.00191	.0321	.00011	.00013
%RSD	110.37	2.3254	979.11	1.9334	.11246	1.4635	47.691	.54644	367.13	83.680
#1	-.00096	.00699	-.00050	.00747	.02102	.00003	.00266	5.8503	.00005	.00024
#2	-.00012	.00723	.00067	.00767	.02105	.00003	.00536	5.8957	-.00011	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00013**	**.02400**	**1.4353**	**.02373**	**3.2875**	**.01794**	**.00092**	**104.63**	**.00054**
Stddev	.00016	.00011	.00105	.0362	.00309	.0057	.00001	.00032	.25	.00041
%RSD	372.34	87.148	4.3706	2.5213	13.039	.17421	.03933	35.117	.23659	77.441
#1	-.00007	-.00020	.02326	1.4097	.02154	3.2835	.01794	.00069	104.46	.00083
#2	.00016	-.00005	.02475	1.4609	.02592	3.2916	.01793	.00115	104.81	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**-.00076**	**4.9563**	**.00007**	**.00003**	**.66050**	**1.4135**	**.00123**	**.59596**	**.00278**
Stddev	.00053	.00019	.0086	.00179	.00320	.01314	.0281	.00058	.00145	.00182
%RSD	25.204	25.050	.17333	2416.8	9706.2	1.9888	1.9888	46.897	.24367	65.382
#1	.00172	-.00089	4.9503	-.00119	-.00223	.65121	1.3936	.00164	.59493	.00150
#2	.00246	-.00062	4.9624	.00134	.00230	.66979	1.4334	.00082	.59699	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00122**	**-.04860**	**-.00014**	**.00576**	**.00044**
Stddev	.00004	.00097	.02258	.00016	.00010	.00003
%RSD	34.631	79.189	46.463	110.00	1.8073	6.5666
#1	-.00008	.00054	-.03263	-.00003	.00584	.00042
#2	-.00013	.00191	-.06457	-.00025	.00569	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7001.1**	**80194.**	**6783.8**
Stddev	8.0	10.	21.5
%RSD	.11408	.01189	.31703
#1	6995.5	80188.	6768.6
#2	7006.7	80201.	6799.0

Sample Name: 280-48924-c-3-b@5 Acquired: 11/14/2013 20:26:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00719**	**-.00050**	**.00646**	**.02053**	**.00002**	**.00418**	**5.7141**	**-.00007**	**.00005**
Stddev	.00060	.00008	.00102	.00080	.00003	.00001	.00155	.0063	.00006	.00003
%RSD	87.487	1.1695	204.52	12.327	.12652	35.525	37.158	.11024	77.415	56.458
#1	-.00026	.00725	-.00123	.00702	.02051	.00002	.00528	5.7186	-.00003	.00008
#2	-.00110	.00713	.00022	.00590	.02055	.00001	.00308	5.7097	-.00011	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00089**	**.01690**	**1.3902**	**.02485**	**3.1980**	**.01785**	**.00078**	**102.30**	**.00053**
Stddev	.00006	.00037	.00242	.0141	.00158	.0069	.00006	.00022	.58	.00006
%RSD	138.74	41.925	14.295	1.0103	6.3718	.21536	.36318	28.670	.56656	12.171
#1	.00000	-.00063	.01860	1.3802	.02373	3.1931	.01780	.00094	101.89	.00049
#2	-.00009	-.00115	.01519	1.4001	.02597	3.2029	.01789	.00062	102.71	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**-.00073**	**4.8920**	**-.00070**	**.00342**	**.63164**	**1.3517**	**.00116**	**.57973**	**.00243**
Stddev	.00080	.00067	.0005	.00075	.00238	.00468	.0100	.00053	.00098	.00024
%RSD	38.781	91.737	.01053	107.60	69.663	.74143	.74143	45.757	.16918	9.8674
#1	.00263	-.00026	4.8917	-.00017	.00173	.62833	1.3446	.00079	.57903	.00260
#2	.00150	-.00121	4.8924	-.00123	.00510	.63496	1.3588	.00154	.58042	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00067**	**-.02605**	**-.00023**	**.00555**	**-.00131**
Stddev	.00002	.00097	.02625	.00000	.00014	.00196
%RSD	17.667	144.58	100.76	.22660	2.5743	149.64
#1	.00007	.00135	-.04461	-.00023	.00545	-.00270
#2	.00010	-.00001	-.00749	-.00023	.00565	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7028.4**	**80290.**	**6762.3**
Stddev	15.8	105.	25.6
%RSD	.22509	.13114	.37833
#1	7017.2	80364.	6744.2
#2	7039.6	80215.	6780.4

Sample Name: 280-48924-a-4-b@5 Acquired: 11/14/2013 20:28:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.01853**	**-.00009**	**.00890**	**.00453**	**.00003**	**.00423**	**90.249**	**-.00001**	**-.00015**
Stddev	.00002	.00028	.00026	.00035	.00034	.00000	.00034	.009	.00001	.00004
%RSD	1.6891	1.5281	308.00	3.9184	7.4855	17.022	8.1193	.00948	197.96	26.957
#1	-.00111	.01873	.00010	.00865	.00477	.00002	.00448	90.243	.00000	-.00018
#2	-.00109	.01833	-.00027	.00914	.00429	.00003	.00399	90.255	-.00001	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00064**	**.14294**	**1.5816**	**.00430**	**13.500**	**.02973**	**.00017**	**83.915**	**.00025**
Stddev	.00006	.00016	.00459	.0433	.00077	.009	.00017	.00022	.249	.00018
%RSD	42.758	24.733	3.2126	2.7360	17.788	.06637	.58250	132.27	.29663	72.160
#1	.00019	-.00053	.14619	1.6122	.00376	13.506	.02961	.00032	84.091	.00038
#2	.00010	-.00075	.13970	1.5510	.00485	13.494	.02986	.00001	83.739	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**-.00111**	**145.47**	**-.00262**	**-.00014**	**.17535**	**.37526**	**.00112**	**1.5289**	**.00393**
Stddev	.00047	.00008	.21	.00080	.00015	.01440	.03081	.00012	.0009	.00092
%RSD	19.752	7.0371	.14533	30.725	106.54	8.2102	8.2102	10.840	.06168	23.447
#1	.00207	-.00106	145.32	-.00205	-.00025	.18553	.39704	.00104	1.5295	.00328
#2	.00274	-.00117	145.62	-.00319	-.00004	.16517	.35347	.00121	1.5282	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00178**	W **-.08226**	**.00000**	**.00656**	**-.00120**
Stddev	.00009	.00051	.00975	.0006	.00036	.00003
%RSD	29.724	28.431	11.857	60605.	5.5448	2.3228
#1	-.00023	.00214	-.08916	.00045	.00631	-.00121
#2	-.00035	.00142	-.07537	-.00046	.00682	-.00118
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6976.6**	**79564.**	**6787.1**
Stddev	20.6	50.	6.1
%RSD	.29496	.06314	.09032
#1	6962.0	79529.	6791.4
#2	6991.1	79600.	6782.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:30:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00574**	**48.580**	**-.00125**	**.00012**	**.00068**	**-.00004**	W **1.0507**	**.04482**	**.00070**	**-.00083**	**.00024**	**-.00561**
Stddev	.00015	.005	.00014	.00013	.00018	.00003	.0010	.00468	.00035	.00025	.00011	.00026
%RSD	2.6326	.01052	11.083	106.39	26.432	77.916	.09051	10.449	50.106	30.050	44.700	4.7090
#1	-.00563	48.583	-.00115	.00021	.00055	-.00002	1.0501	.04813	.00095	-.00065	.00017	-.00542
#2	-.00585	48.576	-.00135	.00003	.00080	-.00006	1.0514	.04151	.00045	-.00100	.00032	-.00580
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.132**	**.18670**	**.00320**	**.06376**	**-.00023**	**.00022**	**247.29**	**-.00095**	**.00143**	**-.00163**	**5.0847**	**.00156**
Stddev	.491	.04527	.00050	.00327	.00005	.00003	.13	.00022	.00125	.00029	.0236	.00093
%RSD	.98017	24.249	15.499	5.1336	22.373	15.341	.05212	23.600	87.276	18.048	.46398	59.574
#1	50.479	.21872	.00285	.06607	-.00019	.00024	247.38	-.00111	.00055	-.00184	5.0680	.00222
#2	49.784	.15469	.00355	.06144	-.00027	.00019	247.20	-.00079	.00231	-.00143	5.1014	.00090
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00582**	**.00519**	**.01110**	**-.00025**	**.00067**	**4.9618**	**.01137**	**.00295**	F **8.0457**	**.00037**	**.00165**	**-.06589**
Stddev	.00038	.00797	.01705	.00023	.00010	.0158	.00017	.00027	.0566	.00020	.00027	.00186
%RSD	6.5623	153.54	153.54	93.386	15.164	.31870	1.4662	9.1395	.70356	53.124	16.492	2.8185
#1	-.00555	-.00044	-.00095	-.00041	.00074	4.9506	.01149	.00276	8.0857	.00051	.00184	-.06721
#2	-.00609	.01082	.02316	-.00008	.00060	4.9730	.01126	.00315	8.0057	.00023	.00146	-.06458
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7097.1**	**80622.**	**6892.4**
Stddev	5.0	232.	6.2
%RSD	.07059	.28783	.09041
#1	7100.7	80786.	6896.8
#2	7093.6	80458.	6888.0

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:33:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52364**	**.51928**	**1.0146**	**.51427**	**.49794**	**.47518**	**-.00875**	**4.7174**	**.48466**	**.49610**	**.51923**	**.49736**	**2.5643**
Stddev	.00004	.00286	.0060	.00211	.00055	.00266	.00127	.0396	.00000	.00007	.00118	.00042	.0132
%RSD	.00721	.55046	.58667	.41123	.11060	.55978	14.540	.83998	.00073	.01460	.22635	.08431	.51599
#1	.52366	.52130	1.0188	.51278	.49833	.47706	-.00785	4.6894	.48465	.49615	.52006	.49707	2.5550
#2	.52361	.51726	1.0104	.51577	.49756	.47330	-.00965	4.7454	.48466	.49605	.51840	.49766	2.5737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.784**	**.97545**	**19.882**	**.48626**	**.51602**	**5.1196**	**.52372**	**1.0201**	**.96855**	**.00073**	**1.0102**	**1.0402**	**5.0784**
Stddev	.119	.00016	.025	.00052	.00173	.0292	.00148	.0050	.00466	.00081	.0070	.0036	.0171
%RSD	.24927	.01590	.12701	.10682	.33578	.56951	.28207	.49485	.48112	109.87	.69301	.34568	.33717
#1	47.868	.97556	19.864	.48662	.51479	5.1403	.52477	1.0165	.96526	.00016	1.0053	1.0377	5.0663
#2	47.699	.97534	19.900	.48589	.51724	5.0990	.52268	1.0236	.97185	.00130	1.0152	1.0428	5.0905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.868**	**1.0183**	**.48929**	**.00527**	**.49677**	**.99572**	**-.02496**	**.47822**	**.49855**	**.48897**
Stddev	.037	.0014	.00098	.00070	.00014	.00080	.01052	.00011	.00343	.00136
%RSD	.33717	.14209	.20057	13.259	.02905	.08044	42.140	.02344	.68894	.27771
#1	10.842	1.0173	.48998	.00576	.49667	.99629	-.01753	.47830	.50098	.48801
#2	10.894	1.0193	.48859	.00477	.49687	.99515	-.03240	.47814	.49612	.48993
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7169.1**	**81555.**	**6802.0**
Stddev	4.0	59.	39.9
%RSD	.05590	.07185	.58682
#1	7166.3	81597.	6773.8
#2	7172.0	81514.	6830.2

Sample Name: CCB Acquired: 11/14/2013 20:35:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00108**	**-.00008**	**-.00073**	**.00052**	**.00025**	**.00003**	**.00209**	**-.00058**	**-.00007**	**-.00006**	**-.00003**
Stddev	.00054	.00036	.00067	.00027	.00001	.00000	.00250	.00165	.00017	.00004	.00012
%RSD	50.028	438.97	91.842	52.823	4.4144	18.002	119.75	283.74	250.84	66.856	443.37
#1	-.00070	-.00034	-.00120	.00032	.00024	.00002	.00032	-.00174	.00005	-.00003	-.00011
#2	-.00146	.00017	-.00026	.00071	.00026	.00003	.00385	.00058	-.00019	-.00009	.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**-.00117**	**.11873**	**.00186**	**.00236**	**.00007**	**.00016**	W **.14202**	**.00039**	**-.00003**	**.00026**
Stddev	.00052	.00156	.02647	.00057	.00397	.00002	.00012	.00435	.00000	.00044	.00117
%RSD	55.599	133.20	22.297	30.929	168.20	30.823	78.289	3.0606	1.0657	1396.9	444.39
#1	-.00129	-.00228	.13745	.00226	-.00045	.00005	.00007	.14509	.00040	-.00034	.00109
#2	-.00056	-.00007	.10001	.00145	.00517	.00008	.00024	.13895	.00039	.00028	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	F **.00644**	**-.00153**	**.00546**	**.01168**	**-.00021**	**-.00016**	**.00342**	**-.00002**	**.00000**	**-.04936**
Stddev	.00102	.00014	.00261	.00743	.01589	.00002	.00002	.00231	.00000	.0008	.06068
%RSD	32.215	2.2177	170.08	136.02	136.02	7.5327	10.614	67.526	19.649	34933.	122.93
#1	.00389	.00654	-.00338	.01071	.02292	-.00022	-.00015	.00505	-.00003	-.00054	-.09227
#2	.00245	.00633	.00031	.00021	.00045	-.00020	-.00018	.00179	-.00002	.00054	-.00645
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00013**	**.00272**	**-.00103**
Stddev	.00019	.00047	.00068
%RSD	148.34	17.451	66.080
#1	.00001	.00238	-.00055
#2	-.00026	.00305	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7144.4**	**82429.**	**6776.5**
Stddev	9.0	278.	31.8
%RSD	.12611	.33686	.46955
#1	7138.1	82625.	6754.0
#2	7150.8	82233.	6799.0

Sample Name: CCVL2379751 Acquired: 11/14/2013 20:37:43 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00955**	**.10916**	**.01376**	**.10192**	**.01007**	**.00096**	**.11506**	**.20247**	**.00486**	**.01016**	**.01056**	**.01437**	**.10757**	**2.9610**
Stddev	.00069	.00321	.00082	.00094	.00012	.00001	.00043	.00442	.00009	.00007	.00004	.00014	.00235	.0164
%RSD	7.1820	2.9365	5.9360	.91850	1.1734	.78168	.37720	2.1821	1.8692	.72734	.40753	1.0012	2.1831	.55552
#1	.01003	.11143	.01319	.10126	.01015	.00095	.11475	.19935	.00480	.01022	.01059	.01427	.10591	2.9494
#2	.00906	.10690	.01434	.10258	.00998	.00096	.11537	.20560	.00492	.01011	.01053	.01448	.10923	2.9726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01079**	**.20692**	**.00995**	**.02013**	**1.1160**	**.04301**	**3.0015**	**.00820**	**.00626**	**.00958**	**.01574**	**.48834**	**1.0450**	**.10472**
Stddev	.00005	.00317	.00002	.00008	.0169	.00004	.0072	.00087	.00516	.00047	.00088	.01684	.0360	.00111
%RSD	.47100	1.5320	.18629	.40620	1.5142	.10318	.24094	10.592	82.364	4.8914	5.5602	3.4481	3.4481	1.0579
#1	.01083	.20468	.00996	.02007	1.1041	.04304	2.9964	.00759	.00991	.00925	.01636	.47643	1.0196	.10394
#2	.01076	.20916	.00993	.02019	1.1280	.04298	3.0066	.00882	.00261	.00991	.01512	.50025	1.0705	.10551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.01705**	**.00999**	**.01662**	**.04348**	**.00952**	**.02403**	**.01494**
Stddev	.00004	.00197	.00016	.00079	.03055	.00017	.00019	.00190
%RSD	.43733	11.582	1.5974	4.7792	70.269	1.7490	.79295	12.734
#1	.00969	.01565	.00988	.01606	.02188	.00963	.02416	.01629
#2	.00975	.01844	.01011	.01718	.06509	.00940	.02390	.01360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7335.0**	**83972.**	**6837.5**
Stddev	13.0	68.	80.5
%RSD	.17657	.08076	1.1767
#1	7325.9	84020.	6894.4
#2	7344.2	83924.	6780.6

Sample Name: 280-48922-d-1-b Acquired: 11/14/2013 20:40:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01113**	**-.00141**	**.01200**	**.06437**	**.00001**	**.00430**	**35.295**	**.00012**	**-.00023**
Stddev	.00030	.00391	.00272	.00014	.00028	.00001	.00016	.047	.00004	.00030
%RSD	22.532	35.175	193.19	1.1916	.42977	49.151	3.7874	.13217	34.295	129.22
#1	-.00156	.01390	-.00334	.01210	.06456	.00001	.00418	35.328	.00009	-.00002
#2	-.00113	.00836	.00052	.01190	.06417	.00002	.00441	35.262	.00015	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00012**	**.02248**	**1.4097**	**.00698**	**8.5994**	**.01262**	**.00071**	**17.145**	**.00029**
Stddev	.00007	.00009	.00270	.0159	.00005	.0237	.00005	.00008	.086	.00014
%RSD	124.08	75.384	12.017	1.1284	.73764	.27506	.41258	11.918	.50229	46.768
#1	.00010	.00006	.02439	1.4209	.00695	8.5826	.01265	.00065	17.084	.00039
#2	.00001	.00019	.02057	1.3984	.00702	8.6161	.01258	.00077	17.205	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**-.00071**	**17.101**	**.00094**	**-.00002**	**5.3393**	**11.426**	**-.00075**	**.34176**	**.00167**
Stddev	.00131	.00087	.008	.00202	.00015	.0088	.019	.00021	.00036	.00185
%RSD	53.071	121.84	.04772	214.02	888.91	.16417	.16417	28.409	.10671	110.68
#1	.00339	-.00133	17.106	.00237	-.00012	5.3455	11.439	-.00090	.34202	.00298
#2	.00154	-.00010	17.095	-.00048	.00009	5.3331	11.413	-.00060	.34151	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00137**	**-.02267**	**.00014**	**.00346**	**-.00148**
Stddev	.00010	.00041	.03977	.00005	.00013	.00125
%RSD	70.515	30.137	175.47	38.020	3.7591	84.144
#1	.00007	.00166	-.05079	.00010	.00337	-.00236
#2	.00022	.00107	.00546	.00017	.00355	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7079.0**	**81481.**	**6900.0**
Stddev	18.0	437.	41.3
%RSD	.25395	.53686	.59871
#1	7066.3	81790.	6929.2
#2	7091.7	81171.	6870.8

Sample Name: 280-48922-d-2-b@5 Acquired: 11/14/2013 20:42:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00772**	**-.00231**	**.00484**	**.01018**	**.00001**	**.00317**	**17.398**	**.00024**	**-.00027**
Stddev	.00014	.00038	.00039	.00094	.00039	.00003	.00069	.099	.00004	.00008
%RSD	15.389	4.9320	16.654	19.432	3.8535	292.98	21.802	.56919	17.772	29.580
#1	-.00100	.00799	-.00258	.00550	.00991	-.00001	.00268	17.328	.00027	-.00033
#2	-.00080	.00745	-.00204	.00417	.01046	.00003	.00365	17.468	.00021	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00079**	**.01316**	**1.1234**	**.01541**	**14.649**	**.00529**	**.00030**	**72.115**	**.00037**
Stddev	.00006	.00007	.00101	.0127	.00025	.040	.00003	.00015	.453	.00025
%RSD	100.44	8.5376	7.6916	1.1322	1.6539	.27425	.60167	50.882	.62790	67.224
#1	.00002	-.00074	.01244	1.1324	.01523	14.678	.00527	.00019	71.794	.00055
#2	.00011	-.00083	.01387	1.1144	.01559	14.621	.00531	.00040	72.435	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00022**	**40.802**	**.00044**	**.00057**	**.92786**	**1.9856**	**.00107**	**.60019**	**.00305**
Stddev	.00122	.00125	.007	.00051	.00111	.00166	.0036	.00108	.00289	.00037
%RSD	1173.1	577.95	.01642	115.55	194.38	.17887	.17887	100.14	.48159	12.160
#1	.00076	-.00110	40.807	.00080	.00135	.92669	1.9831	.00183	.59814	.00279
#2	-.00096	.00067	40.797	.00008	-.00021	.92903	1.9881	.00031	.60223	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00120**	**-.03653**	**-.00027**	**.00511**	**-.00122**
Stddev	.00023	.00030	.01979	.00034	.00002	.00003
%RSD	2841.2	25.000	54.159	126.29	.33407	2.7935
#1	.00017	.00099	-.02254	-.00050	.00512	-.00124
#2	-.00015	.00141	-.05052	-.00003	.00510	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7060.0**	**80074.**	**6742.7**
Stddev	8.4	72.	22.0
%RSD	.11914	.08984	.32576
#1	7054.0	80023.	6758.2
#2	7065.9	80125.	6727.1

Sample Name: 280-48963-a-3-b Acquired: 11/14/2013 20:44:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01987**	**-.00184**	**.01174**	**.03248**	**-.00002**	**.00180**	**26.134**	**.00010**	**-.00023**
Stddev	.00010	.00029	.00231	.00030	.00003	.00004	.00146	.115	.00002	.00001
%RSD	13.076	1.4365	125.33	2.5734	.08408	241.87	80.979	.43837	18.815	4.3005
#1	-.00071	.01967	-.00347	.01196	.03246	-.00004	.00077	26.053	.00009	-.00024
#2	-.00086	.02008	-.00021	.01153	.03250	.00001	.00283	26.215	.00012	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00439**	**.01629**	**1.8993**	**.00840**	**5.8424**	**.00031**	**.00834**	**18.336**	**.00031**
Stddev	.00005	.00019	.00088	.0152	.00257	.0171	.00002	.00015	.254	.00012
%RSD	35.328	4.2614	5.3780	.80031	30.644	.29320	7.0454	1.8312	1.3872	37.599
#1	.00017	.00452	.01567	1.8886	.01022	5.8545	.00029	.00823	18.516	.00023
#2	.00010	.00426	.01690	1.9101	.00658	5.8302	.00032	.00844	18.157	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00033**	**15.472**	**.00186**	**.00078**	**2.7762**	**5.9410**	**-.00052**	**.19613**	**.00190**
Stddev	.00036	.00092	.057	.00056	.00103	.0144	.0308	.00033	.00030	.00045
%RSD	290.44	279.22	.36680	30.189	132.81	.51890	.51890	64.415	.15535	23.881
#1	-.00038	-.00098	15.432	.00226	.00151	2.7660	5.9192	-.00075	.19635	.00158
#2	.00013	.00032	15.512	.00146	.00005	2.7864	5.9628	-.00028	.19592	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00081**	**-.04583**	**.00026**	**.00823**	**.00009**
Stddev	.00026	.00068	.00018	.00018	.00008	.00260
%RSD	448.16	83.638	.40048	69.849	.97925	3007.0
#1	.00024	.00129	-.04596	.00039	.00817	.00192
#2	-.00013	.00033	-.04570	.00013	.00829	-.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7135.5**	**81722.**	**6571.4**
Stddev	14.6	479.	471.7
%RSD	.20527	.58627	7.1773
#1	7145.9	81383.	6904.9
#2	7125.2	82060.	6237.9

Sample Name: 280-48963-a-3-bSD@5 Acquired: 11/14/2013 20:47:07 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.02538**	**.00050**	**.00216**	**.00682**	**.00007**	**.00295**	**5.2297**	**-.00021**	**-.00025**
Stddev	.00019	.00051	.00140	.00022	.00007	.00000	.00209	.0140	.00008	.00003
%RSD	23.952	1.9905	278.52	10.355	.99220	.46309	70.688	.26722	36.320	10.699
#1	-.00067	.02574	.00149	.00232	.00686	.00007	.00148	5.2396	-.00027	-.00023
#2	-.00094	.02502	-.00049	.00200	.00677	.00007	.00443	5.2198	-.00016	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00012**	**.01321**	**.41393**	**.00169**	**1.1871**	**.00021**	**.00139**	**3.6055**	**.00023**
Stddev	.00009	.00035	.00189	.04011	.00013	.0022	.00000	.00004	.0027	.00015
%RSD	197.03	291.49	14.343	9.6897	7.4551	.18519	.57455	2.8873	.07447	67.731
#1	.00011	.00037	.01455	.44230	.00160	1.1886	.00021	.00136	3.6036	.00012
#2	-.00002	-.00013	.01187	.38557	.00178	1.1855	.00021	.00142	3.6074	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00041**	**3.0659**	**.00018**	**.00007**	**.54689**	**1.1703**	**.00161**	**.03951**	**.00374**
Stddev	.0013	.00083	.0043	.00367	.00136	.01259	.0270	.00022	.00030	.00233
%RSD	42033.	201.46	.14151	2019.3	1933.8	2.3024	2.3024	13.630	.76906	62.387
#1	.00090	.00018	3.0628	-.00241	-.00089	.53798	1.1513	.00145	.03930	.00539
#2	-.00091	-.00100	3.0690	.00278	.00103	.55579	1.1894	.00176	.03973	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00021**	W **-.06571**	**.00053**	**.00601**	**.00077**
Stddev	.00004	.00061	.00866	.00032	.00052	.00141
%RSD	11.575	287.78	13.176	61.217	8.6764	184.13
#1	-.00037	.00065	-.07183	.00076	.00564	.00177
#2	-.00031	-.00022	-.05959	.00030	.00638	-.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7207.8**	**82905.**	**6776.0**
Stddev	55.3	190.	115.3
%RSD	.76716	.22860	1.7013
#1	7246.9	82771.	6857.6
#2	7168.7	83039.	6694.5

Sample Name: 280-48963-a-3-c ms Acquired: 11/14/2013 20:49:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05134**	**1.9526**	**1.0269**	**1.0498**	**2.0079**	**.04738**	F **2.1023**	**70.413**	**.09679**	**.47935**
Stddev	.00015	.0043	.0032	.0038	.0041	.00032	.0053	.175	.00052	.00075
%RSD	.28254	.22225	.31320	.35783	.20200	.67364	.24962	.24889	.53309	.15607
#1	.05144	1.9556	1.0246	1.0524	2.0051	.04761	2.1060	70.537	.09715	.47988
#2	.05124	1.9495	1.0291	1.0471	2.0108	.04716	2.0986	70.289	.09642	.47882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20690**	**.25121**	**1.0212**	**50.007**	**.98895**	**55.154**	**.47877**	**1.0309**	**67.577**	**.50380**
Stddev	.00021	.00047	.0073	.034	.00021	.119	.00073	.0012	.569	.00113
%RSD	.10326	.18557	.71104	.06713	.02169	.21638	.15214	.11380	.84163	.22458
#1	.20705	.25154	1.0263	49.983	.98879	55.239	.47928	1.0317	67.979	.50300
#2	.20675	.25088	1.0160	50.030	.98910	55.070	.47825	1.0300	67.175	.50460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.482**	**.45982**	**15.501**	**.50417**	**2.0710**	**12.852**	**27.503**	W **2.0021**	**1.1589**	**.98666**
Stddev	.030	.00192	.026	.00223	.0008	.027	.058	.0001	.0010	.00203
%RSD	.28402	.41694	.16763	.44163	.04047	.21155	.21155	.00689	.08828	.20558
#1	10.503	.46118	15.519	.50574	2.0704	12.833	27.462	2.0022	1.1596	.98810
#2	10.461	.45847	15.483	.50260	2.0716	12.871	27.545	2.0020	1.1582	.98523
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0000**	**1.8734**	**3.1627**	**.47933**	**.49050**	**.47569**
Stddev	.0007	.0067	.0147	.00165	.00055	.00136
%RSD	.06722	.35598	.46631	.34343	.11290	.28567
#1	.99954	1.8781	3.1523	.48049	.49011	.47473
#2	1.0005	1.8687	3.1732	.47817	.49090	.47665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.0**	**78990.**	**6830.8**
Stddev	9.4	66.	9.3
%RSD	.13499	.08332	.13610
#1	6943.3	78943.	6824.3
#2	6956.6	79036.	6837.4

Sample Name: 280-48963-a-3-d msd Acquired: 11/14/2013 20:51:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**1.9323**	**1.0252**	**1.0476**	**1.9898**	**.04655**	F **2.0931**	**70.129**	**.09597**	**.47307**
Stddev	.00070	.0022	.0033	.0001	.0008	.00001	.0006	.095	.00007	.00042
%RSD	1.3916	.11588	.31898	.01341	.03833	.01892	.02838	.13493	.07094	.08818
#1	.05013	1.9339	1.0229	1.0477	1.9892	.04655	2.0935	70.196	.09602	.47278
#2	.05112	1.9307	1.0275	1.0475	1.9903	.04656	2.0927	70.062	.09593	.47337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20552**	**.24844**	**1.0082**	**49.642**	**.97876**	**54.502**	**.47265**	**1.0215**	**67.528**	**.50080**
Stddev	.00027	.00151	.0003	.052	.00062	.012	.00067	.0023	.433	.00216
%RSD	.13377	.60622	.02726	.10501	.06349	.02257	.14083	.22630	.64064	.43138
#1	.20572	.24951	1.0081	49.679	.97919	54.511	.47312	1.0231	67.834	.49928
#2	.20533	.24738	1.0084	49.605	.97832	54.493	.47218	1.0199	67.222	.50233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.379**	**.45825**	**15.683**	**.50105**	**2.0590**	**12.824**	**27.443**	**1.9855**	**1.1509**	**.97110**
Stddev	.011	.00048	.011	.00320	.0093	.015	.033	.0012	.0006	.00030
%RSD	.10999	.10371	.07074	.63778	.45336	.12037	.12037	.06270	.05034	.03066
#1	10.387	.45792	15.675	.49879	2.0524	12.813	27.420	1.9846	1.1513	.97089
#2	10.371	.45859	15.691	.50331	2.0656	12.835	27.467	1.9864	1.1504	.97131
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98746**	**1.8628**	**3.1674**	**.47447**	**.48404**	**.47126**
Stddev	.00127	.0058	.0536	.00379	.00127	.00041
%RSD	.12892	.31245	1.6910	.79954	.26185	.08758
#1	.98836	1.8669	3.2053	.47716	.48315	.47156
#2	.98656	1.8587	3.1295	.47179	.48494	.47097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6944.9**	**79152.**	**6792.5**
Stddev	10.3	146.	21.3
%RSD	.14819	.18445	.31321
#1	6937.7	79049.	6777.5
#2	6952.2	79255.	6807.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:53:42 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00584**	**48.703**	**-.00270**	**.00391**	**.00145**	**-.00006**	W **1.0510**	**.04123**	**.00073**	**-.00098**	**.00019**	**-.00662**
Stddev	.00072	.206	.00053	.00044	.00074	.00001	.0013	.02848	.00000	.00017	.00015	.00033
%RSD	12.297	.42275	19.523	11.347	50.623	23.210	.11929	69.087	.62235	17.631	76.662	5.0567
#1	-.00533	48.557	-.00233	.00422	.00093	-.00005	1.0519	.02109	.00072	-.00086	.00030	-.00686
#2	-.00635	48.848	-.00308	.00359	.00198	-.00007	1.0502	.06137	.00073	-.00110	.00009	-.00638
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.158**	**.23149**	**.00118**	**.05938**	**-.00011**	**.00085**	**247.51**	**-.00067**	**.00446**	**-.00271**	**5.0411**	**.00116**
Stddev	.499	.00976	.00174	.00654	.00008	.00011	.83	.00001	.00028	.00043	.0037	.00087
%RSD	.99496	4.2179	148.28	11.016	71.416	12.557	.33362	2.0562	6.3464	15.803	.07406	74.715
#1	49.805	.22459	-.00006	.06401	-.00005	.00093	246.93	-.00066	.00426	-.00241	5.0438	.00055
#2	50.511	.23840	.00241	.05476	-.00017	.00078	248.10	-.00068	.00466	-.00302	5.0385	.00178
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00797**	**.01024**	**.02192**	**.00011**	**.00041**	**4.9946**	**.01214**	**.00354**	F **8.0161**	**.00048**	**.00213**	**-.06948**
Stddev	.00049	.00771	.01650	.00024	.00050	.0003	.00007	.00027	.0423	.00006	.00007	.00168
%RSD	6.1159	75.288	75.288	224.45	120.45	.00546	.59077	7.6998	.52800	12.725	3.4604	2.4190
#1	-.00832	.01569	.03358	-.00006	.00006	4.9944	.01219	.00335	8.0460	.00052	.00208	-.07066
#2	-.00763	.00479	.01025	.00028	.00077	4.9948	.01209	.00373	7.9861	.00043	.00218	-.06829
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7028.8**	**79236.**	**6762.3**
Stddev	5.4	88.	27.2
%RSD	.07738	.11088	.40160
#1	7024.9	79298.	6781.5
#2	7032.6	79174.	6743.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:56:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53037**	**.52469**	**1.0233**	**.51772**	**.49901**	**.47337**	**-.00944**	**4.6844**	**.48774**	**.50039**	**.52409**	**.49957**	**2.5905**
Stddev	.00030	.00315	.0050	.00004	.00113	.00135	.00133	.0050	.00030	.00037	.00009	.00120	.0103
%RSD	.05690	.60044	.48545	.00801	.22694	.28419	14.098	.10628	.06153	.07458	.01778	.23980	.39820
#1	.53016	.52692	1.0268	.51775	.49820	.47242	-.01038	4.6809	.48795	.50066	.52415	.49872	2.5832
#2	.53058	.52246	1.0198	.51769	.49981	.47432	-.00850	4.6879	.48753	.50013	.52402	.50042	2.5978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.763**	**.97825**	**20.164**	**.49054**	**.51962**	**5.0795**	**.52742**	**1.0321**	**.97176**	**-.00362**	**1.0187**	**1.0499**	**5.0822**
Stddev	.132	.00399	.006	.00036	.00092	.0043	.00181	.0071	.00117	.00360	.0076	.0043	.0114
%RSD	.27655	.40737	.02943	.07378	.17769	.08467	.34255	.68862	.11990	99.498	.74484	.40523	.22487
#1	47.670	.97543	20.168	.49080	.52027	5.0765	.52870	1.0371	.97258	-.00107	1.0240	1.0529	5.0741
#2	47.857	.98107	20.159	.49029	.51896	5.0825	.52615	1.0271	.97094	-.00616	1.0133	1.0469	5.0903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.876**	**1.0333**	**.48942**	**.00754**	**.49976**	**1.0069**	**-.05905**	**.48055**	**.50276**	**.49152**
Stddev	.024	.0061	.00045	.00209	.00039	.0077	.04085	.00106	.00291	.00145
%RSD	.22487	.59218	.09186	27.695	.07724	.76353	69.168	.22068	.57944	.29572
#1	10.859	1.0377	.48910	.00902	.49949	1.0123	-.08794	.47980	.50070	.49255
#2	10.893	1.0290	.48974	.00606	.50003	1.0014	-.03017	.48130	.50482	.49049
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.9**	**80559.**	**6726.7**
Stddev	6.8	266.	32.1
%RSD	.09642	.33059	.47787
#1	7094.0	80370.	6704.0
#2	7103.7	80747.	6749.4

Sample Name: CCB Acquired: 11/14/2013 20:58:14 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01163**	**-.00287**	**.00246**	**.00015**	**.00015**	**.00360**	**-.00133**	**.00026**	**.00016**	**.00006**	**-.00105**
Stddev	.00032	.01654	.00030	.00047	.00019	.00003	.00456	.00401	.00024	.00021	.00026	.00008
%RSD	40.473	142.24	10.527	18.923	122.52	16.911	126.76	302.11	91.710	128.10	417.88	7.2774
#1	-.00057	.02332	-.00266	.00279	.00029	.00013	.00683	.00151	.00043	.00031	.00025	-.00100
#2	-.00102	-.00007	-.00309	.00213	.00002	.00017	.00037	-.00416	.00009	.00002	-.00012	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.14318**	**.00156**	**.00223**	**.00002**	**.00081**	W **.14074**	**.00041**	**.00399**	**.00010**	**.01156**	F **.00889**
Stddev	.00215	.02167	.00036	.00093	.00002	.00040	.00024	.00037	.00533	.00067	.00819	.00147
%RSD	968.97	15.134	23.114	41.882	85.600	48.537	.16862	90.153	133.59	697.51	70.830	16.568
#1	.00130	.12786	.00181	.00157	.00001	.00109	.14057	.00068	.00776	-.00038	.01735	.00993
#2	-.00174	.15850	.00130	.00288	.00003	.00054	.14091	.00015	.00022	.00057	.00577	.00785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.01374**	**.02940**	**.00073**	**.00004**	**.00261**	**-.00017**	**.00137**	**-.01704**	**-.00002**	**.00272**	**-.00086**
Stddev	.00578	.00948	.02028	.00063	.00003	.00412	.00021	.00091	.07203	.00034	.00003	.00000
%RSD	5686.9	68.983	68.983	86.229	76.466	158.28	126.78	66.489	422.58	2180.6	1.0369	.49147
#1	.00419	.00704	.01506	.00118	.00006	-.00031	-.00002	.00201	.03389	.00022	.00270	-.00087
#2	-.00399	.02044	.04374	.00029	.00002	.00552	-.00032	.00072	-.06798	-.00025	.00274	-.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.5**	**81732.**	**6716.0**
Stddev	17.3	27.	40.7
%RSD	.24255	.03321	.60627
#1	7125.7	81713.	6744.8
#2	7101.3	81752.	6687.2

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:00:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.10927**	**.01477**	**.10381**	**.01039**	**.00098**	**.11920**	**.20918**	**.00488**	**.01010**	**.01078**	**.01400**	**.10703**	**2.9954**
Stddev	.00015	.00010	.00003	.00019	.00018	.00000	.00102	.00269	.00004	.00001	.00032	.00055	.00542	.0195
%RSD	1.4364	.09515	.23667	.18226	1.7023	.18188	.85250	1.2847	.73335	.12176	3.0007	3.9060	5.0638	.64984
#1	.01025	.10919	.01475	.10368	.01051	.00098	.11848	.20728	.00485	.01010	.01101	.01362	.10319	2.9816
#2	.01004	.10934	.01480	.10394	.01026	.00098	.11992	.21108	.00491	.01011	.01055	.01439	.11086	3.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**.21369**	**.01016**	**.02045**	**1.1166**	**.04364**	**3.0532**	**.00825**	**.00213**	**.01182**	**.01473**	**.49543**	**1.0602**	**.10585**
Stddev	.00131	.00029	.00007	.00003	.0088	.00019	.0086	.00042	.00197	.00012	.00291	.00320	.0069	.00039
%RSD	10.981	.13744	.64844	.14793	.79007	.43758	.28230	5.0500	92.722	1.0497	19.757	.64688	.64688	.36915
#1	.01281	.21390	.01012	.02047	1.1103	.04350	3.0471	.00854	.00073	.01191	.01268	.49316	1.0554	.10557
#2	.01097	.21348	.01021	.02043	1.1228	.04377	3.0593	.00795	.00352	.01173	.01679	.49769	1.0651	.10613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00977**	**.01663**	**.00972**	**.01742**	**.06417**	**.00943**	**.02493**	**.01564**
Stddev	.00021	.00034	.00008	.00005	.02417	.00021	.00005	.00106
%RSD	2.1062	2.0533	.86812	.29677	37.666	2.2449	.21644	6.7667
#1	.00963	.01687	.00978	.01738	.08125	.00928	.02489	.01489
#2	.00992	.01639	.00966	.01745	.04708	.00958	.02497	.01639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7253.5**	**82786.**	**6729.0**
Stddev	8.8	98.	9.8
%RSD	.12182	.11839	.14613
#1	7259.7	82855.	6736.0
#2	7247.2	82717.	6722.1

Sample Name: mb 280-199865/1-a Acquired: 11/14/2013 21:02:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00076**	**.00392**	**-.00079**	**.00082**	**.00002**	**.00002**	**.00359**	**.00874**	**.00002**	**-.00011**
Stddev	.00038	.00012	.00165	.00011	.00012	.00001	.00009	.00262	.00004	.00023
%RSD	49.505	3.0425	208.53	13.661	754.51	53.188	2.5273	30.017	217.57	211.73
#1	-.00102	.00401	-.00196	.00089	-.00007	.00003	.00366	.00688	.00005	-.00028
#2	-.00049	.00384	.00038	.00074	.00010	.00001	.00353	.01059	-.00001	.00005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00033**	**.00352**	**.10148**	**.00224**	**.00405**	**.00022**	**-.00011**	W **.10276**	**.00016**
Stddev	.00005	.00001	.00188	.07198	.00043	.00149	.00003	.00010	.01432	.00038
%RSD	79.246	3.4167	53.444	70.930	19.139	36.787	12.439	92.963	13.937	240.43
#1	-.00003	-.00032	.00485	.05058	.00193	.00510	.00020	-.00018	.09263	-.00011
#2	-.00011	-.00034	.00219	.15238	.00254	.00300	.00024	-.00004	.11289	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00020**	**.00402**	**.00032**	**.00303**	F **.01374**	**.02941**	**-.00072**	**-.00007**	W **.00211**
Stddev	.00133	.00044	.00017	.00090	.00157	.00271	.00581	.00084	.00012	.00188
%RSD	443.18	225.09	4.2972	281.46	52.022	19.749	19.749	116.45	160.61	89.099
#1	.00124	.00012	.00414	.00095	.00414	.01182	.02530	-.00013	-.00016	.00078
#2	-.00064	-.00051	.00390	-.00032	.00191	.01566	.03351	-.00131	.00001	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit						.01000				.00000
Low Limit						-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00023**	**-.02520**	**-.00033**	**.00314**	**-.00108**
Stddev	.00005	.00076	.02896	.00013	.00015	.00270
%RSD	17.954	329.41	114.91	41.109	4.7322	250.58
#1	-.00023	-.00031	-.00472	-.00042	.00324	.00083
#2	-.00030	.00077	-.04568	-.00023	.00303	-.00298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7213.1**	**82402.**	**6765.9**
Stddev	8.0	133.	26.0
%RSD	.11150	.16154	.38458
#1	7207.4	82496.	6784.3
#2	7218.8	82307.	6747.5

Sample Name: lcs 280-199865/2-a Acquired: 11/14/2013 21:05:12 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05055**	**1.9716**	**1.0319**	**1.0494**	**2.0175**	**.04792**	**2.1234**	**46.235**	**.09802**	**.48812**
Stddev	.00032	.0034	.0001	.0014	.0022	.00010	.0057	.093	.00023	.00021
%RSD	.63199	.17256	.00829	.13653	.10727	.20799	.26960	.20175	.23887	.04373
#1	.05077	1.9691	1.0318	1.0505	2.0160	.04785	2.1274	46.169	.09818	.48827
#2	.05032	1.9740	1.0319	1.0484	2.0190	.04799	2.1193	46.301	.09785	.48797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21154**	**.25110**	**1.0285**	**48.692**	**.99449**	**50.160**	**.48622**	**1.0447**	**51.064**	**.51630**
Stddev	.00042	.00129	.0021	.035	.00253	.266	.00128	.0011	.480	.00031
%RSD	.19704	.51381	.20215	.07235	.25481	.52990	.26385	.10894	.94038	.06059
#1	.21184	.25201	1.0300	48.668	.99270	49.973	.48531	1.0455	51.404	.51652
#2	.21125	.25019	1.0270	48.717	.99629	50.348	.48712	1.0439	50.725	.51608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.446**	**.46919**	**-.00243**	**.51664**	**2.1030**	**10.312**	**22.068**	**2.0577**	**.98869**	**1.0006**
Stddev	.018	.00017	.00431	.00006	.0117	.051	.108	.0009	.00038	.0047
%RSD	.17075	.03687	177.41	.01106	.55844	.48974	.48974	.04326	.03883	.47204
#1	10.458	.46932	-.00548	.51660	2.1113	10.348	22.145	2.0571	.98841	.99726
#2	10.433	.46907	.00062	.51668	2.0947	10.277	21.992	2.0584	.98896	1.0039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0206**	**1.9302**	F **3.2313**	**.48735**	**.49195**	**.48408**
Stddev	.0038	.0011	.0095	.00327	.00328	.00099
%RSD	.37367	.05829	.29246	.67092	.66745	.20388
#1	1.0179	1.9310	3.2380	.48504	.48963	.48338
#2	1.0233	1.9294	3.2247	.48966	.49428	.48478
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6965.5**	**79825.**	**6853.0**
Stddev	23.8	578.	49.6
%RSD	.34224	.72413	.72389
#1	6982.4	80234.	6888.1
#2	6948.6	79416.	6818.0

Sample Name: 280-48905-a-2-a Acquired: 11/14/2013 21:07:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.53815**	**-.00029**	**.24539**	**.09542**	**.00006**	**.00756**	**70.005**	**.00041**	**.00052**
Stddev	.00021	.00172	.00164	.00061	.00151	.00003	.00070	.046	.00012	.00010
%RSD	64.274	.31899	569.44	.24808	1.5816	52.648	9.2971	.06546	30.271	18.383
#1	-.00018	.53694	-.00144	.24583	.09435	.00004	.00806	69.972	.00032	.00059
#2	-.00049	.53937	.00087	.24496	.09649	.00008	.00706	70.037	.00049	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.16148**	**7.1828**	**16.388**	**.03063**	**16.913**	**.08668**	**.00742**	**118.34**	**.00356**
Stddev	.00005	.00026	.0291	.065	.00102	.000	.00026	.00018	.35	.00008
%RSD	2.3612	.16173	.40558	.39520	3.3369	.00017	.29884	2.4319	.29441	2.2439
#1	.00188	.16167	7.1622	16.343	.02991	16.913	.08649	.00755	118.09	.00351
#2	.00194	.16130	7.2034	16.434	.03135	16.913	.08686	.00729	118.58	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1798**	**.00074**	**49.815**	**.00088**	**.00588**	**2.6027**	**5.5698**	**.00290**	**.73007**	**.00243**
Stddev	.0091	.00274	.064	.00047	.00081	.0503	.1077	.00016	.00165	.00073
%RSD	.14698	371.45	.12832	52.906	13.747	1.9340	1.9340	5.6612	.22576	30.042
#1	6.1734	.00267	49.860	.00121	.00531	2.5671	5.4936	.00278	.72890	.00295
#2	6.1862	-.00120	49.770	.00055	.00645	2.6383	5.6459	.00302	.73123	.00192
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02033**	**.00135**	**-.04422**	**.00384**	**.11592**	**.00476**
Stddev	.00055	.00111	.00552	.00007	.00011	.00154
%RSD	2.6942	82.155	12.478	1.7479	.09567	32.336
#1	.01994	.00213	-.04813	.00379	.11584	.00367
#2	.02072	.00056	-.04032	.00389	.11600	.00584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6951.9**	**80328.**	**6988.2**
Stddev	22.4	177.	5.7
%RSD	.32243	.22055	.08185
#1	6967.7	80453.	6984.2
#2	6936.0	80202.	6992.3

Sample Name: 280-48905-a-2-aSD@5 Acquired: 11/14/2013 21:09:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.11947**	**-.00159**	**.05028**	**.01938**	**.00000**	**.00450**	**14.347**	**-.00006**	**.00004**
Stddev	.00023	.00027	.00079	.00003	.00034	.0000	.00117	.030	.00009	.00016
%RSD	58.597	.22354	50.016	.05346	1.7391	1164.8	25.957	.21046	157.54	392.53
#1	-.00023	.11966	-.00215	.05030	.01914	-.00003	.00367	14.368	-.00012	.00015
#2	-.00056	.11928	-.00103	.05026	.01962	.00002	.00532	14.326	.00001	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.03234**	**1.4976**	**3.3783**	**.00707**	**3.5369**	**.01795**	**.00139**	**25.029**	**.00074**
Stddev	.00005	.00017	.0121	.0061	.00137	.0029	.00009	.00005	.380	.00030
%RSD	18.560	.52779	.80510	.18053	19.454	.08207	.52592	3.9377	1.5175	41.331
#1	.00030	.03222	1.4890	3.3826	.00609	3.5348	.01802	.00135	24.760	.00095
#2	.00023	.03246	1.5061	3.3740	.00804	3.5389	.01788	.00143	25.298	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2184**	**-.00044**	**9.7920**	**.00067**	**.00226**	**.52429**	**1.1220**	**.00197**	**.14914**	**.00223**
Stddev	.0126	.00097	.0350	.00167	.00165	.00066	.0014	.00008	.00028	.00321
%RSD	1.0332	222.67	.35797	248.53	72.987	.12551	.12551	3.8885	.18538	143.88
#1	1.2273	-.00112	9.8168	.00186	.00342	.52475	1.1230	.00192	.14934	.00450
#2	1.2095	.00025	9.7672	-.00051	.00109	.52382	1.1210	.00203	.14895	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00052**	**-.02348**	**.00076**	**.02785**	**.00041**
Stddev	.00007	.00024	.02601	.00030	.00042	.00045
%RSD	1.6585	46.892	110.76	39.664	1.5093	109.63
#1	.00426	.00069	-.04187	.00054	.02756	.00009
#2	.00416	.00035	-.00509	.00097	.02815	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7213.4**	**83347.**	**7018.7**
Stddev	3.9	201.	7.1
%RSD	.05456	.24109	.10076
#1	7216.1	83205.	7023.7
#2	7210.6	83489.	7013.7

Sample Name: 280-48905-a-2-b ms Acquired: 11/14/2013 21:11:55 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05031**	**2.3921**	W **2.5406**	**.98687**	**1.2249**	**1.9430**	**.04389**	F **2.0527**	**109.17**	**.09352**
Stddev	.00099	.0020	.0227	.00368	.0094	.0035	.00007	.0197	.31	.00055
%RSD	1.9776	.08352	.89522	.37294	.76991	.18163	.16840	.96051	.28719	.58313
#1	.05102	2.3935	2.5245	.98426	1.2182	1.9405	.04384	2.0388	108.95	.09314
#2	.04961	2.3907	2.5567	.98947	1.2315	1.9455	.04394	2.0667	109.39	.09391
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44445**	**.19358**	**.38704**	**7.7627**	**62.206**	**.96388**	**61.500**	**.52242**	**.96644**	**161.75**
Stddev	.00028	.00170	.00111	.0244	.167	.00422	.040	.00021	.00107	.26
%RSD	.06272	.87976	.28568	.31485	.26811	.43781	.06511	.04020	.11027	.15854
#1	.44426	.19237	.38783	7.7454	62.088	.96090	61.528	.52257	.96568	161.93
#2	.44465	.19478	.38626	7.7800	62.324	.96687	61.472	.52228	.96719	161.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47327**	W **15.363**	**.43436**	**49.046**	**.48345**	**2.0001**	**12.577**	**26.915**	**1.7829**	**1.6099**
Stddev	.00310	.003	.00043	.009	.00058	.0061	.073	.157	.0077	.0039
%RSD	.65539	.01775	.09908	.01936	.11975	.30486	.58245	.58245	.43306	.24491
#1	.47108	15.361	.43406	49.039	.48304	1.9958	12.525	26.804	1.7774	1.6072
#2	.47546	15.364	.43466	49.053	.48386	2.0044	12.629	27.026	1.7883	1.6127
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57658**	**.91083**	**1.7564**	**2.9574**	**.44923**	**.55514**	**.23769**
Stddev	.00043	.00065	.0091	.0161	.00238	.00063	.00147
%RSD	.07421	.07135	.51589	.54467	.52923	.11374	.61829
#1	.57628	.91129	1.7500	2.9460	.44755	.55469	.23666
#2	.57689	.91037	1.7628	2.9688	.45092	.55559	.23873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6858.5**	**78116.**	**6944.5**
Stddev	6.0	207.	23.7
%RSD	.08717	.26513	.34116
#1	6862.7	78263.	6961.2
#2	6854.3	77970.	6927.7

Sample Name: 280-48905-a-2-c msd Acquired: 11/14/2013 21:14:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**2.4192**	W **2.5799**	**1.0047**	**1.2505**	**1.9790**	**.04478**	F **2.0950**	**112.58**	**.09531**
Stddev	.00081	.0069	.0077	.0045	.0018	.0018	.00033	.0012	.29	.00016
%RSD	1.5564	.28407	.29991	.44361	.14293	.08997	.73423	.05706	.25851	.16796
#1	.05237	2.4143	2.5745	1.0015	1.2492	1.9778	.04455	2.0941	112.38	.09542
#2	.05123	2.4240	2.5854	1.0078	1.2518	1.9803	.04501	2.0958	112.79	.09519
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45283**	**.19648**	**.39769**	**8.0376**	**63.855**	**.98684**	**62.585**	**.53315**	**.98641**	**167.08**
Stddev	.00009	.00015	.00047	.0463	.095	.00141	.010	.00004	.00007	.21
%RSD	.01936	.07722	.11816	.57557	.14917	.14282	.01669	.00821	.00693	.12799
#1	.45289	.19637	.39802	8.0049	63.787	.98585	62.578	.53318	.98637	167.23
#2	.45276	.19658	.39735	8.0703	63.922	.98784	62.593	.53312	.98646	166.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47902**	W **15.733**	**.44045**	**50.971**	**.48980**	**2.0225**	**12.876**	**27.554**	**1.8036**	**1.6532**
Stddev	.00110	.013	.00017	.091	.00078	.0093	.046	.098	.0032	.0014
%RSD	.23058	.08142	.03804	.17936	.15939	.45926	.35455	.35455	.17761	.08290
#1	.47824	15.743	.44033	51.035	.48925	2.0290	12.908	27.623	1.8013	1.6523
#2	.47980	15.724	.44057	50.906	.49035	2.0159	12.843	27.485	1.8058	1.6542
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57487**	**.92696**	**1.7845**	**3.0230**	**.45720**	**.56425**	**.23509**
Stddev	.00172	.00174	.0036	.0102	.00041	.00210	.00040
%RSD	.29888	.18729	.19868	.33687	.09032	.37184	.17047
#1	.57609	.92574	1.7820	3.0302	.45691	.56276	.23481
#2	.57366	.92819	1.7870	3.0158	.45749	.56573	.23538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6833.7**	**78474.**	**6842.6**
Stddev	16.7	326.	10.9
%RSD	.24509	.41599	.15966
#1	6845.6	78705.	6850.3
#2	6821.9	78244.	6834.9

Sample Name: 280-48905-a-4-a Acquired: 11/14/2013 21:16:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.02772**	**-.00120**	**.23726**	**.04357**	**-.00005**	**.00293**	**70.876**	**.00034**	**.00000**
Stddev	.00034	.00008	.00019	.00045	.00003	.00001	.00266	.102	.00001	.0000
%RSD	48.996	.27084	15.792	.19016	.07993	21.175	90.706	.14383	1.7010	1825.9
#1	-.00093	.02778	-.00133	.23694	.04355	-.00006	.00481	70.804	.00034	.00003
#2	-.00045	.02767	-.00106	.23757	.04360	-.00004	.00105	70.948	.00033	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.01371**	**.33849**	**15.954**	**.03246**	**17.106**	**.02014**	**.00583**	**119.16**	**.00202**
Stddev	.00017	.00076	.00279	.069	.00085	.019	.00003	.00009	.20	.00014
%RSD	50.172	5.5536	.82363	.43522	2.6319	.11208	.17048	1.4791	.16458	6.8645
#1	.00021	.01317	.34046	16.003	.03186	17.120	.02017	.00577	119.29	.00192
#2	.00045	.01425	.33652	15.905	.03306	17.093	.02012	.00589	119.02	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39388**	**-.00091**	**50.971**	**-.00112**	**.00364**	**2.2603**	**4.8371**	**-.00001**	**.72495**	**.00169**
Stddev	.00134	.00108	.069	.00210	.00164	.0268	.0573	.00002	.00177	.00237
%RSD	.34052	118.33	.13528	187.06	45.151	1.1841	1.1841	228.49	.24432	140.29
#1	.39293	-.00015	50.922	.00036	.00480	2.2792	4.8775	-.00003	.72370	.00001
#2	.39483	-.00167	51.019	-.00261	.00248	2.2414	4.7966	.00001	.72620	.00337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00162**	**-.02707**	**.00040**	**.05206**	**.00015**
Stddev	.00011	.00078	.07465	.00011	.00080	.00009
%RSD	19.088	47.890	275.73	28.730	1.5340	61.562
#1	.00064	.00217	.02571	.00032	.05262	.00022
#2	.00049	.00107	-.07985	.00048	.05149	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6962.6**	**79340.**	**6837.2**
Stddev	7.6	282.	21.1
%RSD	.10855	.35514	.30917
#1	6957.3	79141.	6852.1
#2	6968.0	79539.	6822.2

Sample Name: 280-48917-c-1-a Acquired: 11/14/2013 21:18:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**12.961**	**.00064**	**.84069**	**.02888**	**-.00005**	**.00253**	**98.297**	**.00031**	**.00000**
Stddev	.00036	.046	.00023	.00048	.00009	.00008	.00081	.374	.00006	.00015
%RSD	38.712	.35411	36.167	.05763	.31188	164.65	31.890	.38095	19.888	40367.
#1	-.00118	12.994	.00048	.84035	.02894	.00001	.00310	98.562	.00036	-.00010
#2	-.00067	12.929	.00080	.84103	.02882	-.00011	.00196	98.033	.00027	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**.01305**	**.26110**	**2.4683**	**.01270**	**5.8460**	**.07742**	**.01136**	**22.444**	**.01216**
Stddev	.00012	.00069	.00424	.0687	.00279	.0076	.00003	.00000	.530	.00022
%RSD	.75199	5.2794	1.6225	2.7838	21.951	.13062	.04253	.02484	2.3636	1.7822
#1	.01605	.01257	.25811	2.4197	.01073	5.8514	.07745	.01136	22.069	.01200
#2	.01623	.01354	.26410	2.5169	.01467	5.8406	.07740	.01135	22.819	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06830**	**.00152**	**75.513**	**-.00067**	**-.00182**	**.86662**	**1.8546**	**-.00049**	**.23374**	**.00319**
Stddev	.00118	.00116	.091	.00322	.00409	.00270	.0058	.00034	.00069	.00099
%RSD	1.7289	76.383	.12088	483.71	224.86	.31145	.31145	69.471	.29414	31.132
#1	.06747	.00233	75.448	.00161	.00107	.86853	1.8586	-.00025	.23423	.00249
#2	.06914	.00070	75.577	-.00294	-.00472	.86471	1.8505	-.00073	.23326	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00096**	**-.02307**	**.00092**	**.01943**	**-.00127**
Stddev	.00010	.00144	.00228	.00009	.00025	.00011
%RSD	14.936	150.59	9.8692	9.5010	1.2865	8.9316
#1	.00071	-.00006	-.02468	.00086	.01960	-.00119
#2	.00058	.00197	-.02146	.00099	.01925	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7016.2**	**80572.**	**6898.9**
Stddev	5.9	70.	46.9
%RSD	.08440	.08727	.68039
#1	7020.4	80523.	6865.7
#2	7012.0	80622.	6932.1

Sample Name: CCVH-2372891 Acquired: 11/14/2013 21:20:45 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00559**	**48.550**	**-.00072**	**.00416**	**.00025**	**-.00005**	W **1.0587**	**.01976**	**.00076**	**-.00078**	**.00039**	**-.00615**
Stddev	.00109	.102	.00187	.00118	.00029	.00002	.0015	.00110	.00016	.00010	.00009	.00045
%RSD	19.439	.21028	260.73	28.452	117.62	29.947	.14226	5.5603	21.209	12.630	22.799	7.3140
#1	-.00636	48.622	.00060	.00500	.00045	-.00004	1.0598	.02054	.00064	-.00071	.00046	-.00647
#2	-.00482	48.478	-.00204	.00332	.00004	-.00006	1.0576	.01899	.00087	-.00084	.00033	-.00583
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.804**	**.20330**	**.00173**	**.06921**	**-.00018**	**.00050**	**248.65**	**-.00072**	**.00502**	**-.00148**	**5.1320**	**.00134**
Stddev	.120	.00359	.00013	.01164	.00007	.00013	.33	.00004	.00358	.00097	.0501	.00202
%RSD	.23603	1.7652	7.7394	16.824	40.109	25.696	.13314	5.9526	71.312	65.603	.97680	151.26
#1	50.889	.20584	.00163	.06098	-.00023	.00059	248.42	-.00069	.00755	-.00079	5.1674	-.00009
#2	50.719	.20077	.00182	.07745	-.00013	.00041	248.89	-.00075	.00249	-.00216	5.0965	.00277
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00557**	**-.00426**	**-.00912**	**-.00060**	**.00000**	**5.0035**	**.01164**	**.00292**	F **8.0587**	**.00068**	**.00205**	**-.06839**
Stddev	.00058	.00275	.00588	.00088	.0000	.0014	.00033	.00001	.0039	.00003	.00030	.00301
%RSD	10.375	64.409	64.409	146.46	1084.2	.02734	2.8716	.24695	.04843	3.7495	14.483	4.4021
#1	-.00516	-.00620	-.01328	-.00123	-.00004	5.0045	.01140	.00292	8.0614	.00066	.00225	-.06626
#2	-.00598	-.00232	-.00497	.00002	.00003	5.0025	.01187	.00293	8.0559	.00070	.00184	-.07052
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7178.9**	**80981.**	**7029.2**
Stddev	17.2	99.	36.7
%RSD	.23892	.12275	.52162
#1	7166.8	80910.	7055.1
#2	7191.0	81051.	7003.2

Sample Name: CCV-2372889 Acquired: 11/14/2013 21:23:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52972**	**.52045**	**1.0285**	**.52122**	**.50019**	**.47447**	**-.00855**	**4.7041**	**.48723**	**.49791**	**.52146**	**.50272**	**2.5835**
Stddev	.00093	.00060	.0032	.00068	.00023	.00087	.00026	.0432	.00044	.00061	.00038	.00117	.0157
%RSD	.17513	.11574	.30978	.13010	.04681	.18371	3.0614	.91918	.09015	.12217	.07336	.23227	.60899
#1	.53038	.52087	1.0263	.52170	.50003	.47509	-.00874	4.6735	.48754	.49748	.52173	.50355	2.5946
#2	.52907	.52002	1.0308	.52074	.50036	.47386	-.00837	4.7346	.48692	.49834	.52119	.50189	2.5724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.721**	**.97907**	**19.911**	**.48628**	**.51326**	**5.1128**	**.52542**	**1.0245**	**.96116**	**-.00013**	**1.0151**	**1.0416**	**5.0511**
Stddev	.001	.00044	.030	.00106	.00039	.0188	.00003	.0008	.00131	.00124	.0049	.0033	.0514
%RSD	.00147	.04465	.14995	.21788	.07606	.36711	.00653	.08123	.13629	969.12	.48468	.32092	1.0169
#1	47.722	.97876	19.932	.48703	.51298	5.1261	.52539	1.0240	.96209	-.00100	1.0185	1.0439	5.0148
#2	47.721	.97938	19.890	.48553	.51354	5.0995	.52544	1.0251	.96024	.00075	1.0116	1.0392	5.0874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.809**	**1.0147**	**.49110**	**.00368**	**.49621**	**.99673**	**-.03220**	**.47582**	**.49225**	**.49223**
Stddev	.110	.0017	.00001	.00031	.00067	.00092	.07901	.00334	.00190	.00455
%RSD	1.0169	.16439	.00304	8.4948	.13506	.09250	245.40	.70267	.38686	.92393
#1	10.732	1.0135	.49109	.00390	.49573	.99608	-.08806	.47345	.49359	.48902
#2	10.887	1.0159	.49112	.00346	.49668	.99738	.02367	.47818	.49090	.49545
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7248.7**	**83116.**	**7026.3**
Stddev	14.6	24.	22.5
%RSD	.20176	.02836	.31981
#1	7238.3	83132.	7010.4
#2	7259.0	83099.	7042.1

Sample Name: CCB Acquired: 11/14/2013 21:25:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.00064**	**-.00059**	**.00254**	**.00032**	**.00006**	**.00355**	**.00159**	**.00006**	**-.00007**	**-.00003**	**-.00094**
Stddev	.00029	.00077	.00167	.00025	.00007	.00014	.00106	.00205	.00008	.00019	.00001	.00027
%RSD	35.770	119.53	282.40	10.004	22.977	261.87	29.771	129.20	142.68	292.73	44.117	28.803
#1	-.00061	.00119	.00059	.00272	.00027	.00016	.00280	.00014	.00000	.00007	-.00004	-.00075
#2	-.00102	.00010	-.00177	.00236	.00038	-.00005	.00429	.00304	.00012	-.00020	-.00002	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.15171**	**.00248**	**.00159**	**.00006**	**.00014**	W **.15337**	**.00002**	**-.00079**	**-.00079**	**.00653**	W **.00554**
Stddev	.00093	.01800	.00037	.00084	.00000	.00007	.00091	.00006	.00052	.00120	.00083	.00114
%RSD	119.12	11.865	15.024	52.921	.70904	49.885	.59650	267.14	65.691	151.39	12.747	20.625
#1	-.00012	.16444	.00275	.00099	.00006	.00020	.15272	.00006	-.00042	-.00164	.00712	.00473
#2	-.00144	.13898	.00222	.00218	.00006	.00009	.15402	-.00002	-.00115	.00006	.00594	.00635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.01123**	**.02404**	**-.00024**	**-.00008**	**.00354**	**.00018**	**-.00001**	**-.02116**	**-.00017**	**.00259**	**-.00004**
Stddev	.00139	.00066	.00141	.00005	.00005	.00061	.00011	.00009	.05922	.00001	.00019	.00217
%RSD	541.33	5.8858	5.8858	21.473	55.378	17.108	63.173	764.25	279.83	6.6464	7.1854	5243.7
#1	.00073	.01170	.02504	-.00020	-.00012	.00311	.00010	-.00007	.02071	-.00018	.00272	.00150
#2	-.00124	.01077	.02304	-.00027	-.00005	.00397	.00026	.00005	-.06303	-.00016	.00246	-.00158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7227.5**	**83104.**	**6971.8**
Stddev	26.2	131.	77.3
%RSD	.36280	.15723	1.1092
#1	7246.1	83196.	7026.4
#2	7209.0	83011.	6917.1

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:27:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00996**	**.10781**	**.01149**	**.10490**	**.01004**	**.00099**	**.11588**	**.19506**	**.00494**	**.01018**	**.01065**	**.01457**	**.10146**
Stddev	.00007	.00030	.00040	.00077	.00005	.00004	.00191	.00185	.00004	.00032	.00004	.00004	.00082
%RSD	.71190	.27777	3.4753	.73587	.46385	3.6730	1.6445	.95008	.75633	3.1563	.41486	.28467	.80966
#1	.00991	.10802	.01121	.10435	.01007	.00101	.11723	.19637	.00491	.00996	.01062	.01460	.10088
#2	.01001	.10760	.01177	.10544	.01001	.00096	.11454	.19374	.00496	.01041	.01069	.01454	.10204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9581**	**.00930**	**.20775**	**.00999**	**.02005**	**1.1022**	**.04308**	**3.0316**	**.00893**	**.00031**	**.01050**	**.01861**	**.49264**
Stddev	.0558	.00060	.00124	.00002	.00010	.0147	.00038	.0001	.00020	.00141	.00118	.00196	.01848
%RSD	1.8869	6.4398	.59778	.21363	.52274	1.3313	.88340	.00482	2.1967	458.69	11.197	10.532	3.7513
#1	2.9187	.00888	.20863	.01001	.02013	1.0919	.04335	3.0315	.00907	-.00069	.00967	.01723	.47957
#2	2.9976	.00972	.20688	.00998	.01998	1.1126	.04281	3.0317	.00879	.00130	.01133	.02000	.50571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0542**	**.10555**	**.00971**	**.01720**	**.00963**	**.01680**	F **.03450**	**.00940**	**.02395**	**.01279**
Stddev	.0396	.00127	.00018	.00180	.00011	.00002	.03427	.00007	.00058	.00295
%RSD	3.7513	1.2049	1.8317	10.436	1.1211	.09391	99.341	.78341	2.4396	23.047
#1	1.0263	.10465	.00984	.01847	.00971	.01679	.05873	.00935	.02354	.01488
#2	1.0822	.10645	.00958	.01594	.00955	.01681	.01027	.00946	.02437	.01071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7376.4**	**84909.**	**7038.9**
Stddev	15.8	348.	19.9
%RSD	.21449	.40929	.28265
#1	7387.6	85154.	7052.9
#2	7365.2	84663.	7024.8

Sample Name: mb 280-199968/1-a Acquired: 11/14/2013 21:30:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00508**	**-.00144**	**.00153**	**.00010**	**-.00006**	**.00313**	**.02428**	**.00012**	**-.00021**
Stddev	.00001	.00001	.00087	.00012	.00018	.00002	.00160	.00092	.00027	.00002
%RSD	2.0549	.17387	60.800	7.9083	181.34	28.411	50.987	3.8022	235.77	8.4029
#1	-.00068	.00507	-.00082	.00144	-.00003	-.00005	.00200	.02493	-.00008	-.00022
#2	-.00070	.00509	-.00205	.00161	.00023	-.00007	.00426	.02362	.00031	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00004**	**.00628**	**.17636**	**.00139**	**.00683**	**.00012**	**-.00017**	**.18919**	**.00016**
Stddev	.00004	.00047	.00171	.01101	.00060	.00202	.00004	.00004	.00720	.00019
%RSD	45.272	1306.4	27.187	6.2433	42.943	29.524	29.013	26.461	3.8046	117.80
#1	.00012	-.00030	.00749	.18415	.00097	.00540	.00010	-.00020	.19428	.00029
#2	.00006	.00037	.00507	.16857	.00181	.00825	.00015	-.00014	.18410	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**-.00080**	**.01678**	**.00036**	**-.00138**	**.01438**	**.03077**	**.00272**	**-.00011**	**.00330**
Stddev	.00003	.00086	.00044	.00019	.00190	.01429	.03057	.00037	.00000	.00084
%RSD	1.0966	107.84	2.6051	51.789	138.20	99.351	99.351	13.524	2.2161	25.337
#1	.00308	-.00141	.01647	.00023	-.00003	.00428	.00915	.00298	-.00011	.00271
#2	.00303	-.00019	.01709	.00049	-.00272	.02448	.05239	.00246	-.00011	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00017**	**-.03389**	**-.00031**	**.00456**	**.00017**
Stddev	.00005	.00089	.05199	.00022	.00013	.00161
%RSD	19.223	536.13	153.43	71.071	2.9177	967.56
#1	.00031	-.00047	.00288	-.00016	.00465	.00131
#2	.00023	.00080	-.07065	-.00047	.00447	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7361.9**	**85156.**	**7100.0**
Stddev	6.2	78.	3.6
%RSD	.08435	.09185	.05076
#1	7357.5	85101.	7102.6
#2	7366.3	85212.	7097.5

Sample Name: lcs 280-199968/2-a Acquired: 11/14/2013 21:32:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04850**	**1.8683**	**.97971**	**.97519**	**1.8985**	**.04494**	**2.0211**	**43.318**	**.09276**	**.46136**
Stddev	.00050	.0025	.00555	.00126	.0044	.00028	.0015	.106	.00017	.00125
%RSD	1.0206	.13354	.56658	.12872	.23206	.62571	.07223	.24509	.17985	.27176
#1	.04885	1.8665	.97579	.97430	1.8954	.04474	2.0221	43.243	.09264	.46047
#2	.04815	1.8701	.98364	.97608	1.9016	.04514	2.0200	43.393	.09288	.46225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19955**	**.23875**	**.97649**	**45.691**	**.93723**	**46.962**	**.45727**	**.98098**	**48.285**	**.48673**
Stddev	.00062	.00187	.00112	.140	.00284	.104	.00036	.00180	.456	.00011
%RSD	.31140	.78212	.11473	.30550	.30338	.22123	.07823	.18374	.94380	.02324
#1	.19911	.24007	.97728	45.593	.93522	47.036	.45702	.97971	47.963	.48681
#2	.19999	.23743	.97570	45.790	.93924	46.889	.45752	.98226	48.607	.48665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9151**	**.44156**	**1.9516**	**.48003**	**1.9618**	**1.3150**	**2.8142**	**1.9181**	**.93033**	**.93955**
Stddev	.0092	.00122	.0013	.00072	.0124	.0321	.0687	.0044	.00160	.00126
%RSD	.09275	.27518	.06508	.14970	.63193	2.4413	2.4413	.22731	.17153	.13432
#1	9.9086	.44070	1.9507	.47953	1.9531	1.2923	2.7656	1.9150	.92920	.94045
#2	9.9216	.44242	1.9525	.48054	1.9706	1.3377	2.8628	1.9212	.93146	.93866
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95538**	**1.8094**	F **3.0842**	**.45454**	**.45876**	**.45448**
Stddev	.00170	.0029	.0531	.00046	.00030	.00288
%RSD	.17751	.15939	1.7224	.10022	.06595	.63310
#1	.95658	1.8115	3.0467	.45486	.45855	.45244
#2	.95418	1.8074	3.1218	.45421	.45897	.45651
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.7**	**81172.**	**7017.6**
Stddev	21.4	40.	52.6
%RSD	.30293	.04922	.74887
#1	7072.8	81200.	7054.8
#2	7042.6	81144.	6980.5

Sample Name: 280-48951-b-3-a Acquired: 11/14/2013 21:34:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**73.776**	**.01717**	**.11113**	**.52312**	**.00354**	**-.04047**	W **622.23**	**.00295**	**.04757**
Stddev	.00020	.130	.00141	.00012	.00054	.00007	.00221	4.99	.00010	.00015
%RSD	21.021	.17572	8.1904	.10632	.10239	1.8376	5.4660	.80132	3.2551	.31466
#1	-.00108	73.684	.01816	.11122	.52274	.00359	-.03891	618.70	.00302	.04747
#2	-.00080	73.868	.01618	.11105	.52350	.00350	-.04204	625.75	.00288	.04768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14736**	**.10913**	**121.64**	**16.930**	**.18269**	**233.63**	**4.2387**	**.00366**	**67.199**	**.13125**
Stddev	.00051	.00042	.97	.056	.00221	1.69	.0348	.00004	.746	.00020
%RSD	.34677	.38051	.79802	.32791	1.2076	.72514	.82101	1.0526	1.1107	.15241
#1	.14700	.10942	120.95	16.891	.18113	232.43	4.2141	.00364	66.671	.13111
#2	.14772	.10884	122.32	16.970	.18425	234.82	4.2633	.00369	67.727	.13139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9698**	**.04837**	**5.1042**	**.00430**	**.00612**	**3.0599**	**6.5483**	**.00730**	**.70629**	**.03054**
Stddev	.0012	.00091	.0091	.00418	.00209	.0279	.0598	.00078	.00213	.00483
%RSD	.03129	1.8807	.17831	97.131	34.207	.91312	.91312	10.738	.30090	15.804
#1	3.9706	.04773	5.0978	.00135	.00760	3.0797	6.5906	.00674	.70479	.02713
#2	3.9689	.04902	5.1107	.00725	.00464	3.0402	6.5060	.00785	.70779	.03396
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9193**	**-.00057**	F **-.18072**	**.15846**	**.31612**	**.10777**
Stddev	.0004	.00011	.04362	.00014	.00086	.00005
%RSD	.01970	20.113	24.136	.08967	.27138	.04469
#1	1.9191	-.00065	-.14988	.15856	.31551	.10774
#2	1.9196	-.00049	-.21157	.15836	.31672	.10780
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7076.9**	**79596.**	**7328.8**
Stddev	3.3	151.	26.4
%RSD	.04716	.18922	.36059
#1	7074.6	79703.	7310.1
#2	7079.3	79490.	7347.5

Sample Name: 280-48951-b-3-aSD@5 Acquired: 11/14/2013 21:36:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**15.314**	**.00207**	**.02461**	**.11119**	**.00089**	**-.00561**	**134.63**	**.00097**	**.01044**
Stddev	.00024	.008	.00232	.00064	.00224	.00030	.00142	.22	.00008	.00003
%RSD	20.572	.05402	112.24	2.6004	2.0110	34.020	25.323	.16344	8.3936	.29598
#1	-.00102	15.319	.00043	.02415	.10961	.00068	-.00461	134.47	.00091	.01046
#2	-.00136	15.308	.00371	.02506	.11277	.00110	-.00662	134.78	.00102	.01042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03156**	**.02206**	**26.443**	**3.5876**	**.03878**	**49.238**	**.90669**	**.00043**	**14.468**	**.02893**
Stddev	.00000	.00034	.031	.0818	.00289	.161	.00200	.00008	.141	.00024
%RSD	.01425	1.5575	.11749	2.2813	7.4408	.32776	.22007	17.596	.97521	.82897
#1	.03156	.02182	26.421	3.5297	.03674	49.352	.90810	.00048	14.368	.02876
#2	.03157	.02231	26.465	3.6455	.04082	49.124	.90528	.00038	14.568	.02910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81005**	**.01118**	**1.0169**	**.00038**	**.00356**	**.70534**	**1.5094**	**.00310**	**.14967**	**.00829**
Stddev	.00072	.00082	.0031	.00127	.00071	.03390	.0725	.00040	.00140	.00421
%RSD	.08869	7.3652	.29993	337.10	19.838	4.8057	4.8057	12.877	.93489	50.742
#1	.81056	.01060	1.0190	-.00052	.00306	.72931	1.5607	.00282	.14868	.01127
#2	.80954	.01176	1.0147	.00127	.00406	.68138	1.4581	.00338	.15066	.00532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39913**	**.00105**	F **-.11062**	**.03257**	**.07340**	**.02281**
Stddev	.00024	.00056	.03495	.00068	.00071	.00178
%RSD	.05938	53.418	31.594	2.1010	.97409	7.8242
#1	.39929	.00144	-.13533	.03209	.07289	.02155
#2	.39896	.00065	-.08590	.03306	.07390	.02407
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7185.4**	**81485.**	**7087.1**
Stddev	14.1	210.	34.9
%RSD	.19686	.25787	.49301
#1	7195.4	81634.	7111.8
#2	7175.4	81337.	7062.4

Sample Name: 280-48951-b-3-b ms Acquired: 11/14/2013 21:39:12 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04807**	**128.51**	**.94864**	**1.1065**	**2.5021**	**.04669**	F **1.8299**	W **714.70**	**.09178**	**.45695**
Stddev	.00033	.50	.00174	.0008	.0034	.00031	.0004	4.84	.00034	.00037
%RSD	.68179	.38786	.18304	.07654	.13736	.67248	.01979	.67719	.37228	.08109
#1	.04784	128.15	.94742	1.1059	2.5046	.04646	1.8296	718.12	.09154	.45669
#2	.04830	128.86	.94987	1.1071	2.4997	.04691	1.8301	711.27	.09202	.45721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38525**	**.35669**	**144.56**	**80.789**	**1.1611**	**305.63**	**5.1065**	**.88801**	**119.84**	**.57108**
Stddev	.00012	.00044	.33	.181	.0017	.78	.0231	.00029	.18	.00023
%RSD	.03013	.12314	.22591	.22410	.14307	.25469	.45160	.03265	.14894	.04066
#1	.38533	.35700	144.79	80.661	1.1623	306.18	5.1228	.88822	119.71	.57092
#2	.38517	.35638	144.32	80.917	1.1599	305.08	5.0902	.88781	119.97	.57125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.753**	**.43597**	**7.1123**	**.27400**	**1.8568**	**6.6487**	**14.228**	**1.6834**	**1.6970**	**.94319**
Stddev	.004	.00220	.0029	.00322	.0038	.0138	.030	.0019	.0003	.00902
%RSD	.02825	.50564	.04071	1.1748	.20230	.20746	.20746	.11289	.01644	.95680
#1	13.755	.43441	7.1144	.27172	1.8595	6.6390	14.207	1.6821	1.6972	.93681
#2	13.750	.43753	7.1103	.27627	1.8542	6.6585	14.249	1.6848	1.6968	.94957
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9575**	**1.4717**	**2.7048**	**.66806**	**.76522**	**.57981**
Stddev	.0067	.0010	.0488	.00160	.00101	.00263
%RSD	.17033	.06630	1.8055	.23876	.13232	.45335
#1	3.9623	1.4723	2.7394	.66693	.76450	.57795
#2	3.9528	1.4710	2.6703	.66919	.76593	.58167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.1**	**78382.**	**7322.4**
Stddev	5.0	67.	26.0
%RSD	.07135	.08551	.35517
#1	6964.6	78335.	7304.0
#2	6957.6	78429.	7340.8

Sample Name: 280-48951-b-3-c msd Acquired: 11/14/2013 21:41:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04906**	**126.34**	**.95197**	**1.1327**	**2.4707**	**.04701**	F **1.8402**	W **649.29**	**.09172**	**.45394**
Stddev	.00034	.03	.00274	.0029	.0036	.00021	.0080	14.37	.00039	.00232
%RSD	.69442	.02700	.28733	.25473	.14417	.43895	.43252	2.2138	.42618	.51168
#1	.04882	126.36	.95004	1.1306	2.4733	.04715	1.8346	639.13	.09144	.45229
#2	.04930	126.31	.95391	1.1347	2.4682	.04686	1.8458	659.45	.09199	.45558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37469**	**.34645**	**134.61**	**81.642**	**1.1505**	**287.98**	**4.6812**	**.88608**	**112.31**	**.56144**
Stddev	.00166	.00082	.11	.078	.0001	2.46	.0332	.00276	.34	.00253
%RSD	.44214	.23760	.07915	.09553	.00485	.85542	.70862	.31141	.30152	.45064
#1	.37352	.34703	134.53	81.697	1.1504	286.24	4.6577	.88413	112.54	.55965
#2	.37586	.34587	134.68	81.587	1.1505	289.73	4.7047	.88803	112.07	.56322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.309**	**.43128**	**6.6589**	**.26864**	**1.8630**	**5.9193**	**12.667**	**1.6862**	**1.6250**	**.93895**
Stddev	.059	.00434	.0070	.00095	.0014	.0271	.058	.0095	.0018	.00010
%RSD	.44549	1.0058	.10446	.35248	.07437	.45794	.45794	.56069	.11189	.01102
#1	13.267	.42822	6.6540	.26797	1.8621	5.9385	12.708	1.6795	1.6263	.93888
#2	13.350	.43435	6.6638	.26931	1.8640	5.9001	12.626	1.6928	1.6237	.93902
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9807**	**1.4859**	**2.7561**	**.66707**	**.73865**	**.57782**
Stddev	.0045	.0027	.0510	.00114	.00202	.00223
%RSD	.11299	.18452	1.8490	.17055	.27307	.38642
#1	3.9775	1.4839	2.7921	.66626	.73722	.57940
#2	3.9838	1.4878	2.7201	.66787	.74008	.57624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6955.9**	**77998.**	**7191.2**
Stddev	14.6	146.	80.7
%RSD	.20994	.18773	1.1228
#1	6966.3	78102.	7248.3
#2	6945.6	77895.	7134.1

Sample Name: CCVH-2372891 Acquired: 11/14/2013 21:43:55 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00656**	**48.600**	**-.00080**	**.00549**	**.00058**	**-.00006**	W **1.0533**	**.04101**	**.00079**	**-.00113**	**.00028**	**-.00639**
Stddev	.00002	.044	.00137	.00123	.00002	.00002	.0006	.00437	.00011	.00002	.00004	.00040
%RSD	.36531	.09016	171.67	22.380	4.1993	36.731	.05368	10.659	13.352	1.6553	14.652	6.2205
#1	-.00654	48.569	-.00176	.00636	.00057	-.00008	1.0537	.04410	.00086	-.00111	.00025	-.00668
#2	-.00658	48.631	.00017	.00463	.00060	-.00004	1.0529	.03792	.00072	-.00114	.00031	-.00611
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.244**	**.35851**	**.00066**	**.08903**	**.00042**	**.00088**	**249.11**	**-.00087**	**.00255**	**-.00234**	**5.0631**	**.00247**
Stddev	.149	.02124	.00271	.00408	.00013	.00007	.26	.00026	.00125	.00059	.0112	.00135
%RSD	.29669	5.9250	408.92	4.5771	31.200	8.5377	.10470	30.364	49.153	25.096	.22187	54.579
#1	50.138	.37353	-.00125	.08615	.00033	.00082	249.30	-.00105	.00166	-.00192	5.0552	.00342
#2	50.349	.34349	.00258	.09191	.00051	.00093	248.93	-.00068	.00343	-.00275	5.0711	.00151
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00431**	**.01101**	**.02355**	**.00050**	**.00005**	**5.0441**	**.01259**	**.00327**	F **8.0422**	**.00042**	**.00227**	**-.07037**
Stddev	.00056	.00857	.01834	.00104	.00008	.0205	.00095	.00000	.0882	.00030	.00016	.00145
%RSD	13.034	77.883	77.883	207.43	166.82	.40653	7.5345	.09411	1.0960	70.373	7.2061	2.0630
#1	-.00391	.01707	.03653	-.00023	.00011	5.0296	.01192	.00326	7.9799	.00063	.00215	-.07140
#2	-.00471	.00494	.01058	.00124	-.00001	5.0586	.01326	.00327	8.1045	.00021	.00239	-.06935
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7092.1**	**80085.**	**6870.6**
Stddev	23.6	97.	25.4
%RSD	.33316	.12121	.37012
#1	7075.4	80154.	6888.5
#2	7108.8	80017.	6852.6

Sample Name: CCV-2372889 Acquired: 11/14/2013 21:46:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53081**	**.52417**	**1.0288**	**.52024**	**.49928**	**.47136**	**-.01017**	**4.6647**	**.48596**	**.49722**	**.52248**	**.49993**	**2.5809**
Stddev	.00174	.00113	.0003	.00047	.00041	.00018	.00123	.0341	.00081	.00028	.00069	.00148	.0034
%RSD	.32830	.21521	.03120	.09066	.08144	.03800	12.063	.73084	.16590	.05717	.13205	.29586	.13308
#1	.53204	.52338	1.0290	.52057	.49899	.47149	-.01103	4.6406	.48653	.49701	.52297	.50097	2.5833
#2	.52957	.52497	1.0286	.51990	.49956	.47123	-.00930	4.6888	.48539	.49742	.52200	.49888	2.5784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.534**	**.97855**	**20.042**	**.48825**	**.51779**	**5.1493**	**.52537**	**1.0308**	**.96748**	**-.00133**	**1.0181**	**1.0473**	**4.9998**
Stddev	.005	.00049	.009	.00070	.00202	.0151	.00106	.0030	.00289	.00140	.0071	.0029	.0084
%RSD	.00980	.04959	.04382	.14339	.39095	.29322	.20104	.28916	.29890	105.48	.69545	.27666	.16848
#1	47.538	.97890	20.036	.48775	.51923	5.1600	.52611	1.0329	.96953	-.00034	1.0231	1.0494	5.0058
#2	47.531	.97821	20.049	.48874	.51636	5.1386	.52462	1.0287	.96544	-.00232	1.0131	1.0453	4.9939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**1.0228**	**.48826**	**.00238**	**.49817**	**1.0034**	**-.00056**	**.47595**	**.49695**	**.48572**
Stddev	.018	.0007	.00029	.00014	.00052	.0035	.02026	.00094	.00126	.00178
%RSD	.16848	.06459	.05841	6.0101	.10376	.35106	3620.3	.19838	.25368	.36656
#1	10.712	1.0233	.48806	.00228	.49780	1.0059	-.01488	.47662	.49605	.48698
#2	10.687	1.0224	.48846	.00248	.49853	1.0009	.01376	.47528	.49784	.48446
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7186.9**	**81968.**	**6886.3**
Stddev	26.9	290.	19.6
%RSD	.37434	.35340	.28483
#1	7205.9	82173.	6900.2
#2	7167.9	81763.	6872.4

Sample Name: CCB Acquired: 11/14/2013 21:48:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00775**	**-.00123**	**.00316**	**.00004**	**.00000**	**.00164**	**.00742**	**.00013**	**-.00001**	**.00018**	**-.00074**
Stddev	.00076	.00807	.00177	.00007	.00011	.0000	.00012	.00159	.00002	.00006	.00019	.00104
%RSD	101.50	104.13	143.67	2.0558	288.63	3178.5	7.1584	21.448	16.768	733.78	106.87	140.95
#1	-.00129	.01346	.00002	.00321	.00012	-.00002	.00172	.00629	.00014	-.00005	.00031	-.00147
#2	-.00021	.00204	-.00248	.00312	-.00004	.00002	.00156	.00854	.00011	.00004	.00004	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**.18556**	**.00072**	**.01069**	**.00019**	**.00038**	F **.21714**	**-.00004**	**.00139**	**-.00051**	**.00177**	W **.00560**
Stddev	.00306	.00354	.00257	.00180	.00004	.00017	.01553	.00024	.00270	.00067	.00283	.00052
%RSD	82.294	1.9088	358.32	16.823	22.318	45.520	7.1512	610.11	193.48	131.16	160.15	9.3607
#1	.00588	.18807	-.00110	.00942	.00016	.00026	.20616	.00013	.00330	-.00099	.00376	.00597
#2	.00155	.18306	.00253	.01196	.00022	.00051	.22812	-.00021	-.00051	-.00004	-.00023	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00018**	**-.00039**	**-.00011**	**-.00021**	**.00264**	**.00016**	**.00069**	F **-.06213**	**-.00019**	**.00283**	**.00049**
Stddev	.00154	.00569	.01218	.00044	.00007	.00261	.00018	.00100	.04393	.00031	.00002	.00080
%RSD	571.48	3103.3	3103.3	418.34	34.213	98.835	115.78	145.03	70.704	161.45	.65548	165.30
#1	-.00136	-.00421	-.00901	.00021	-.00016	.00449	.00003	.00139	-.09319	.00003	.00284	.00105
#2	.00082	.00384	.00822	-.00042	-.00026	.00080	.00029	-.00002	-.03107	-.00042	.00282	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.1**	**82164.**	**6857.5**
Stddev	25.9	336.	87.1
%RSD	.35972	.40882	1.2700
#1	7176.8	82402.	6919.0
#2	7213.4	81927.	6795.9

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:50:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	F **.13699**	**.01367**	**.10597**	**.01093**	**.00109**	**.12022**	F **.41083**	**.00505**	**.01044**	**.01113**	**.01587**	F **.24758**
Stddev	.00023	.00019	.00126	.00047	.00025	.00000	.00062	.00245	.00028	.00015	.00012	.00045	.00776
%RSD	2.2217	.14186	9.2484	.44704	2.2422	.20848	.51320	.59520	5.6136	1.3999	1.0438	2.8393	3.1349
#1	.01038	.13685	.01277	.10563	.01111	.00109	.12066	.40910	.00525	.01054	.01104	.01619	.24209
#2	.01006	.13712	.01456	.10630	.01076	.00109	.11979	.41256	.00485	.01034	.01121	.01555	.25307
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		.10000						.20000					.10000
Range		30.000%						30.000%					30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0946**	**.01054**	**.22726**	**.01227**	**.02095**	**1.2768**	**.04524**	**3.1392**	**.00801**	**.03676**	**.01108**	**.01493**	**.51272**
Stddev	.0104	.00090	.00020	.00006	.00034	.0094	.00008	.0012	.00020	.00299	.00144	.00104	.00633
%RSD	.33645	8.5069	.09000	.46247	1.6122	.73698	.17147	.03937	2.5228	8.1353	12.960	6.9518	1.2337
#1	3.0872	.00990	.22741	.01231	.02119	1.2702	.04530	3.1383	.00787	.03465	.01210	.01566	.50825
#2	3.1019	.01117	.22712	.01223	.02071	1.2835	.04519	3.1400	.00815	.03888	.01007	.01419	.51719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0972**	F **.14578**	**.01039**	**.01587**	**.01082**	**.01763**	F **.09376**	**.00986**	F **.05487**	**.01601**
Stddev	.0135	.00028	.00019	.00035	.00041	.00054	.06692	.00027	.00083	.00179
%RSD	1.2337	.18963	1.7910	2.2318	3.8063	3.0550	71.368	2.7686	1.5204	11.205
#1	1.0876	.14597	.01025	.01612	.01112	.01801	.04644	.01005	.05546	.01474
#2	1.1068	.14558	.01052	.01562	.01053	.01725	.14108	.00967	.05428	.01728
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value		.10000					.06000		.02000	
Range		30.000%					30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7375.2**	**84826.**	**6976.6**
Stddev	7.7	522.	70.4
%RSD	.10481	.61522	1.0090
#1	7369.8	84457.	7026.3
#2	7380.7	85195.	6926.8

Sample Name: 280-48860-a-1-a Acquired: 11/14/2013 21:53:07 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**90.963**	**.07119**	**.07286**	**.98032**	**.00251**	**-.04470**	**66.845**	**.00131**	**.04173**
Stddev	.00010	.049	.00157	.00068	.00268	.00005	.00157	.089	.00005	.00001
%RSD	8.2624	.05355	2.2017	.93334	.27287	1.7924	3.5187	.13296	4.1076	.01232
#1	-.00111	90.997	.07008	.07238	.98221	.00248	-.04359	66.908	.00127	.04172
#2	-.00125	90.928	.07230	.07334	.97843	.00255	-.04581	66.782	.00134	.04173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29894**	**.07094**	**95.619**	**13.503**	**.03792**	**53.219**	**1.7146**	**.00144**	**6.4149**	**.42593**
Stddev	.00005	.00108	.150	.044	.00132	.091	.0021	.00004	.0159	.00098
%RSD	.01511	1.5221	.15640	.32670	3.4929	.17102	.12358	3.0185	.24826	.23116
#1	.29897	.07170	95.725	13.534	.03886	53.155	1.7131	.00141	6.4262	.42523
#2	.29891	.07017	95.514	13.471	.03698	53.283	1.7161	.00147	6.4037	.42662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6649**	**.08317**	**.57850**	**-.00141**	**.00419**	**2.1198**	**4.5364**	**.00708**	**.50769**	**.02404**
Stddev	.0042	.00205	.00536	.00043	.00171	.0041	.0089	.00014	.00163	.00063
%RSD	.11356	2.4627	.92717	30.308	40.786	.19505	.19505	1.9872	.32112	2.6249
#1	3.6620	.08172	.57470	-.00111	.00539	2.1227	4.5426	.00718	.50884	.02449
#2	3.6679	.08462	.58229	-.00171	.00298	2.1169	4.5301	.00698	.50654	.02359
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8334**	**-.00212**	F **-.18762**	**.25778**	**.18743**	**.01861**
Stddev	.0028	.00100	.04138	.00079	.00121	.00024
%RSD	.15341	47.046	22.055	.30776	.64683	1.2821
#1	1.8315	-.00141	-.21687	.25722	.18657	.01844
#2	1.8354	-.00282	-.15836	.25834	.18829	.01878
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7506.0**	**83907.**	**7391.6**
Stddev	2.9	451.	26.5
%RSD	.03815	.53806	.35859
#1	7508.1	84227.	7410.3
#2	7504.0	83588.	7372.8

Sample Name: 280-48860-a-2-a Acquired: 11/14/2013 21:55:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**162.42**	**.16699**	**.11282**	**1.4561**	**.00266**	F **-.29968**	W **708.56**	**.00353**	**.18021**
Stddev	.00043	.58	.00213	.00115	.0040	.00004	.00153	8.56	.00021	.00045
%RSD	26.698	.35769	1.2763	1.0201	.27397	1.6539	.51035	1.2076	5.8249	.24709
#1	-.00193	162.00	.16548	.11364	1.4533	.00269	-.29860	714.61	.00338	.17990
#2	-.00132	162.83	.16850	.11201	1.4589	.00262	-.30076	702.51	.00367	.18053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6167**	**.27802**	**289.27**	**12.731**	**.18947**	**204.01**	**5.1474**	**.00640**	**1.9461**	**1.9512**
Stddev	.0036	.00089	1.13	.068	.00329	.33	.0288	.00005	.0066	.0004
%RSD	.22093	.31908	.38976	.53187	1.7357	.16231	.55917	.81159	.33904	.01789
#1	1.6192	.27740	288.47	12.683	.18715	204.24	5.1677	.00643	1.9508	1.9515
#2	1.6142	.27865	290.06	12.778	.19180	203.78	5.1270	.00636	1.9414	1.9510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.5098**	**.08667**	**3.8007**	**.00944**	**.01031**	**1.5723**	**3.3646**	**.02739**	**.93565**	**.00364**
Stddev	.0012	.00010	.0092	.00087	.00515	.0179	.0383	.00006	.00240	.00297
%RSD	.02582	.11274	.24224	9.1706	49.945	1.1372	1.1372	.23502	.25603	81.657
#1	4.5089	.08660	3.8073	.01005	.00667	1.5849	3.3917	.02743	.93396	.00574
#2	4.5106	.08674	3.7942	.00883	.01395	1.5596	3.3376	.02734	.93735	.00154
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.580**	W **-.01077**	F **-.10620**	**.67312**	**.77717**	**.12582**
Stddev	.034	.00220	.05676	.00185	.00945	.00063
%RSD	.23358	20.432	53.442	.27500	1.2163	.49828
#1	14.604	-.00921	-.06607	.67443	.78386	.12626
#2	14.556	-.01232	-.14634	.67182	.77049	.12537
Check ?	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000	5.0000	50.000			
Low Limit	-.01000	-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7034.6**	**79445.**	**7313.1**
Stddev	12.2	602.	24.2
%RSD	.17299	.75822	.33070
#1	7043.2	79020.	7330.2
#2	7026.0	79871.	7296.0

Sample Name: 280-48860-a-3-a Acquired: 11/14/2013 21:58:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**68.508**	**.04446**	**.04947**	**.48290**	**.00123**	F **-.10123**	**35.708**	**.00174**	**.05199**
Stddev	.00003	.001	.00021	.00035	.00010	.00007	.00144	.052	.00007	.00009
%RSD	10.256	.00215	.47450	.70371	.02141	6.0614	1.4222	.14679	4.2146	.17752
#1	-.00031	68.507	.04461	.04971	.48297	.00128	-.10022	35.671	.00169	.05193
#2	-.00027	68.509	.04431	.04922	.48283	.00117	-.10225	35.745	.00179	.05206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52968**	**.19727**	**94.204**	**13.148**	**.04767**	**44.446**	**1.3035**	**.01134**	**6.2183**	**.44166**
Stddev	.00118	.00090	.756	.008	.00113	.134	.0028	.00003	.0096	.00055
%RSD	.22253	.45613	.80249	.05708	2.3627	.30080	.21757	.24719	.15505	.12517
#1	.52885	.19663	94.739	13.143	.04847	44.540	1.3055	.01136	6.2115	.44127
#2	.53052	.19790	93.670	13.153	.04688	44.351	1.3015	.01132	6.2251	.44206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6405**	**.24395**	**30.972**	**-.00511**	**.00569**	**.98614**	**2.1103**	**.00995**	**.24020**	**.00891**
Stddev	.0022	.00102	.054	.00124	.00316	.01336	.0286	.00007	.00019	.00043
%RSD	.06156	.41748	.17594	24.317	55.487	1.3547	1.3547	.74722	.08118	4.8045
#1	3.6389	.24323	30.934	-.00423	.00793	.99559	2.1306	.01000	.24006	.00921
#2	3.6420	.24467	31.011	-.00599	.00346	.97670	2.0901	.00990	.24034	.00861
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4700**	**-.00340**	**-.04532**	**.33691**	**.60857**	**.02038**
Stddev	.0065	.00013	.01021	.00056	.00442	.00019
%RSD	.14500	3.8362	22.525	.16721	.72550	.92492
#1	4.4746	-.00331	-.05254	.33731	.61169	.02051
#2	4.4655	-.00350	-.03810	.33651	.60544	.02025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7303.6**	**82604.**	**7025.9**
Stddev	8.0	25.	.4
%RSD	.10999	.03021	.00575
#1	7297.9	82622.	7025.6
#2	7309.2	82587.	7026.2

Sample Name: 280-48860-a-4-a Acquired: 11/14/2013 22:00:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.79647**	**.01245**	**.01886**	**.08951**	**.00001**	**.00324**	**26.323**	**.00108**	**.00347**
Stddev	.00001	.00515	.00333	.00040	.00002	.00001	.00021	.036	.00010	.00008
%RSD	8.0401	.64672	26.789	2.1463	.01894	272.80	6.4962	.13837	9.5183	2.3813
#1	.00010	.79283	.01481	.01915	.08952	.00000	.00339	26.349	.00101	.00341
#2	.00012	.80012	.01009	.01858	.08950	.00002	.00309	26.297	.00116	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02158**	**.01728**	**1.7413**	**1.2189**	**.00328**	**2.0238**	**.07953**	**.00165**	**.70955**	**.04580**
Stddev	.00000	.00044	.0177	.0191	.00112	.0020	.00016	.00019	.00024	.00033
%RSD	.02177	2.5198	1.0176	1.5656	34.139	.09690	.20274	11.566	.03431	.71760
#1	.02158	.01759	1.7288	1.2324	.00408	2.0224	.07942	.00178	.70972	.04604
#2	.02158	.01697	1.7539	1.2054	.00249	2.0251	.07964	.00152	.70938	.04557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81840**	**.26944**	**3.9449**	**.00307**	**.01418**	**.53239**	**1.1393**	**.00712**	**.09032**	**.00351**
Stddev	.00703	.00206	.0057	.00017	.00013	.00828	.0177	.00018	.00051	.00116
%RSD	.85867	.76380	.14492	5.6519	.91156	1.5554	1.5554	2.5127	.56675	32.943
#1	.82337	.27090	3.9490	.00295	.01428	.53824	1.1518	.00699	.08995	.00433
#2	.81343	.26799	3.9409	.00319	.01409	.52653	1.1268	.00724	.09068	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03837**	**-.00101**	**-.02989**	**.01761**	**6.3888**	**.00057**
Stddev	.00034	.00020	.04108	.00043	.0085	.00035
%RSD	.88213	19.303	137.42	2.4526	.13332	60.522
#1	.03861	-.00115	-.05893	.01792	6.3828	.00033
#2	.03813	-.00087	-.00084	.01731	6.3948	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7325.9**	**85032.**	**7223.4**
Stddev	23.4	122.	39.8
%RSD	.31901	.14334	.55029
#1	7342.5	85119.	7251.5
#2	7309.4	84946.	7195.3

Sample Name: 280-48860-a-5-a Acquired: 11/14/2013 22:02:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**68.246**	**.04980**	**.04849**	**.48365**	**.00124**	F **-.10097**	**35.638**	**.00172**	**.05159**
Stddev	.00001	.013	.00127	.00042	.00216	.00015	.00119	.018	.00021	.00035
%RSD	19.083	.01885	2.5504	.87222	.44677	11.914	1.1763	.04947	12.134	.67214
#1	-.00007	68.255	.05070	.04819	.48212	.00114	-.10181	35.651	.00157	.05135
#2	-.00005	68.237	.04890	.04879	.48518	.00134	-.10013	35.626	.00187	.05184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52932**	**.19734**	**94.921**	**13.167**	**.04654**	**44.384**	**1.3023**	**.01107**	**6.2281**	**.44147**
Stddev	.00042	.00126	.263	.035	.00039	.115	.0005	.00019	.0031	.00011
%RSD	.07888	.63844	.27737	.26817	.83005	.26012	.04164	1.6780	.04952	.02544
#1	.52961	.19645	94.734	13.142	.04627	44.303	1.3019	.01120	6.2259	.44139
#2	.52902	.19823	95.107	13.192	.04682	44.466	1.3026	.01094	6.2303	.44155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6393**	**.24492**	**31.012**	**-.00591**	**.00612**	**.99592**	**2.1313**	**.00966**	**.24101**	**.00896**
Stddev	.0022	.00083	.003	.00096	.00144	.01442	.0309	.00060	.00073	.00058
%RSD	.06095	.34071	.01094	16.203	23.537	1.4480	1.4480	6.2437	.30130	6.5199
#1	3.6377	.24551	31.014	-.00523	.00714	.98573	2.1095	.00924	.24050	.00937
#2	3.6408	.24433	31.009	-.00658	.00510	1.0061	2.1531	.01009	.24153	.00855
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4644**	**-.00366**	W **-.09064**	**.33743**	**.60635**	**.01760**
Stddev	.0013	.00016	.01785	.00027	.00054	.00086
%RSD	.02914	4.4533	19.691	.07970	.08856	4.8768
#1	4.4653	-.00354	-.07802	.33762	.60673	.01820
#2	4.4634	-.00377	-.10327	.33724	.60597	.01699
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7319.9**	**82865.**	**7147.6**
Stddev	5.1	199.	5.6
%RSD	.06927	.24026	.07849
#1	7323.5	82724.	7143.6
#2	7316.3	83006.	7151.5

Sample Name: 280-48003-c-13-a Acquired: 11/14/2013 22:04:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196538 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.02051**	**-.00290**	**.05464**	**.02818**	**-.00002**	**.00378**	**129.68**	**.00029**	**-.00009**
Stddev	.00043	.00443	.00448	.00025	.00011	.00002	.00073	.42	.00009	.00026
%RSD	74.156	21.612	154.35	.44939	.38415	92.667	19.184	.32208	29.830	286.48
#1	-.00089	.02365	-.00607	.05447	.02810	-.00001	.00327	129.39	.00035	.00009
#2	-.00028	.01738	.00027	.05481	.02825	-.00004	.00430	129.98	.00023	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00029**	**.57505**	**6.4275**	**.00577**	**7.8082**	**.00864**	**.00066**	**55.957**	**.00046**
Stddev	.00005	.00019	.00006	.0109	.00098	.0088	.00005	.00020	.311	.00019
%RSD	6.1379	64.883	.01093	.16953	17.035	.11291	.60124	30.624	.55651	42.387
#1	.00083	.00016	.57501	6.4198	.00647	7.8019	.00860	.00052	55.737	.00032
#2	.00076	.00042	.57509	6.4352	.00508	7.8144	.00867	.00080	56.177	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03745**	**-.00050**	**1.8998**	**-.00023**	**.00105**	**4.7242**	**10.110**	**-.00018**	**1.1391**	**.00211**
Stddev	.00213	.00126	.0103	.00067	.00074	.0189	.041	.00027	.0036	.00128
%RSD	5.6775	249.82	.53958	290.17	70.581	.40096	.40096	152.12	.31308	60.815
#1	.03594	-.00139	1.8926	.00024	.00053	4.7376	10.138	-.00036	1.1366	.00302
#2	.03895	.00039	1.9071	-.00071	.00158	4.7108	10.081	.00001	1.1416	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.00137**	**-.04077**	**.00170**	**.01048**	**.00083**
Stddev	.00002	.00038	.03511	.00044	.00022	.00007
%RSD	1.6019	27.792	86.139	25.670	2.0794	8.8442
#1	.00112	.00163	-.06560	.00139	.01032	.00088
#2	.00115	.00110	-.01594	.00201	.01063	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.3**	**81069.**	**6982.5**
Stddev	33.0	37.	41.5
%RSD	.46806	.04562	.59455
#1	7076.6	81095.	7011.9
#2	7029.9	81042.	6953.2

Sample Name: 280-48003-c-16-a Acquired: 11/14/2013 22:07:14 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196538 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.02818**	**-.00310**	**.06676**	**.04450**	**-.00007**	**.00266**	**166.30**	**.00018**	**-.00040**
Stddev	.00022	.00113	.00071	.00028	.00025	.00006	.00053	.80	.00004	.00009
%RSD	23.402	4.0262	22.911	.41546	.55110	82.358	20.041	.47820	23.435	21.673
#1	-.00109	.02738	-.00259	.06657	.04468	-.00011	.00304	166.87	.00015	-.00034
#2	-.00078	.02898	-.00360	.06696	.04433	-.00003	.00229	165.74	.00021	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00018**	**1.4134**	**19.308**	**.00602**	**8.1700**	**.01999**	**.00132**	**144.11**	**.00047**
Stddev	.00004	.00000	.0200	.043	.00135	.0114	.00008	.00037	.31	.00005
%RSD	6.3762	1.4887	1.4165	.22447	22.453	.13972	.38767	27.918	.21364	11.447
#1	.00061	-.00018	1.4275	19.338	.00697	8.1619	.01994	.00106	144.33	.00043
#2	.00056	-.00019	1.3992	19.277	.00506	8.1780	.02005	.00158	143.90	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03019**	**-.00116**	**2.3271**	**-.00013**	**.00032**	**4.2619**	**9.1206**	**-.00147**	**1.4556**	**.00186**
Stddev	.00045	.00153	.0102	.00010	.00050	.0901	.1929	.00043	.0044	.00132
%RSD	1.4852	131.76	.44022	81.891	152.64	2.1153	2.1153	29.428	.30267	70.665
#1	.02988	-.00008	2.3199	-.00005	-.00003	4.3257	9.2570	-.00178	1.4587	.00093
#2	.03051	-.00225	2.3344	-.00020	.00067	4.1982	8.9841	-.00117	1.4524	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00098**	W **-.06326**	**.00078**	**.01041**	**.00055**
Stddev	.00045	.00043	.04049	.00031	.00012	.00143
%RSD	243.81	43.914	64.014	39.524	1.1685	258.09
#1	-.00013	.00129	-.03462	.00056	.01049	-.00046
#2	.00051	.00068	-.09189	.00099	.01032	.00157
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.7**	**78446.**	**6864.4**
Stddev	2.0	675.	45.2
%RSD	.02943	.86009	.65776
#1	6826.1	78923.	6832.5
#2	6823.3	77969.	6896.3

Sample Name: 280-48003-c-24-c Acquired: 11/14/2013 22:09:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196547 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.67550**	**.00219**	**.05190**	**.02739**	**-.00001**	**.00342**	**215.63**	**.00016**	**.00019**
Stddev	.00017	.00995	.00157	.00026	.00012	.00010	.00016	1.21	.00013	.00024
%RSD	27.312	1.4727	71.688	.50822	.44632	1050.2	4.7957	.55920	82.461	125.93
#1	-.00051	.66846	.00108	.05172	.02747	.00006	.00330	216.48	.00025	.00002
#2	-.00075	.68253	.00330	.05209	.02730	-.00008	.00354	214.77	.00007	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**.00042**	**2.0841**	**2.4877**	**.00553**	**4.2667**	**.01531**	**.00276**	**9.3727**	W **10.294**
Stddev	.00007	.00009	.0128	.0290	.00081	.0169	.00009	.00006	.0047	.140
%RSD	1.5437	21.610	.61552	1.1647	14.679	.39550	.55628	2.2794	.04970	1.3601
#1	.00476	.00036	2.0751	2.5082	.00495	4.2787	.01537	.00272	9.3694	10.195
#2	.00486	.00049	2.0932	2.4672	.00610	4.2548	.01525	.00281	9.3760	10.393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00187**	**.11245**	**-.00017**	**8.4234**	**.00072**	**-.00040**	**5.9613**	**12.757**	**.00003**	**2.4816**
Stddev	.00028	.00155	.00088	.0050	.00095	.00191	.0030	.006	.00080	.0005
%RSD	15.173	1.3823	509.82	.05971	131.44	479.86	.05024	.05024	2938.4	.01928
#1	.00167	.11135	.00045	8.4270	.00005	-.00175	5.9634	12.762	.00059	2.4819
#2	.00207	.11355	-.00080	8.4199	.00139	.00095	5.9592	12.753	-.00054	2.4812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00224**	**.00219**	**.00051**	**.00311**	**.00711**	**-.00031**
Stddev	.00030	.00034	.00002	.04040	.00005	.00029	.00095
%RSD	14.689	15.092	.70929	7849.3	1.5918	4.1192	306.79
#1	.00227	.00248	.00218	.02908	.00308	.00690	-.00098
#2	.00185	.00200	.00220	-.02806	.00315	.00732	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6890.4**	**79521.**	**6852.1**
Stddev	14.3	555.	47.3
%RSD	.20709	.69846	.69089
#1	6900.5	79128.	6818.6
#2	6880.3	79914.	6885.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 22:12:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00632**	**48.850**	**.00050**	**-.00023**	**.00056**	**-.00005**	**1.0425**	**.02753**	**.00085**	**-.00096**	**.00036**	**-.00642**	**50.230**
Stddev	.00001	.023	.00057	.00009	.00003	.00003	.0045	.00234	.00007	.00008	.00009	.00019	.498
%RSD	.18472	.04750	113.44	37.723	4.4897	63.177	.43554	8.4931	7.6732	8.0078	24.113	2.9161	.99177
#1	-.00631	48.834	.00090	-.00017	.00058	-.00003	1.0392	.02918	.00080	-.00101	.00042	-.00655	50.582
#2	-.00633	48.867	.00010	-.00029	.00055	-.00007	1.0457	.02588	.00089	-.00091	.00030	-.00628	49.878
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13188**	**.00255**	**.06239**	**-.00007**	**.00041**	**249.15**	**-.00072**	**.00377**	**-.00238**	**5.0128**	**-.00022**	**-.00612**	**.00785**
Stddev	.00267	.00066	.00420	.00004	.00021	.91	.00002	.00155	.00008	.0208	.00049	.00038	.00313
%RSD	2.0278	26.041	6.7340	61.595	50.929	.36468	3.1632	41.038	3.2973	.41555	219.57	6.1671	39.875
#1	.13378	.00302	.06536	-.00010	.00056	248.51	-.00073	.00487	-.00233	4.9981	-.00056	-.00585	.01007
#2	.12999	.00208	.05942	-.00004	.00026	249.79	-.00070	.00268	-.00244	5.0275	.00012	-.00639	.00564
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01681**	**-.00074**	**.00012**	**5.0425**	**.01161**	**.00317**	F **8.0773**	**.00076**	**.00228**	**-.06998**
Stddev	.00670	.00025	.00003	.0137	.00062	.00049	.1036	.00030	.00040	.00287
%RSD	39.875	34.220	23.906	.27199	5.3776	15.578	1.2826	39.546	17.665	4.0990
#1	.02155	-.00056	.00014	5.0522	.01205	.00352	8.1505	.00097	.00256	-.07200
#2	.01207	-.00092	.00010	5.0328	.01117	.00282	8.0040	.00055	.00199	-.06795
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6998.7**	**78095.**	**6679.4**
Stddev	15.3	268.	34.9
%RSD	.21870	.34377	.52311
#1	7009.5	77905.	6704.2
#2	6987.9	78285.	6654.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 22:14:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52723**	**.52899**	**1.0230**	**.51621**	**.49976**	**.47336**	**-.00961**	**4.7290**	**.48481**	**.49804**	**.52215**	**.49708**	**2.5763**
Stddev	.00157	.00082	.0026	.00425	.00078	.00101	.00138	.0029	.00016	.00032	.00025	.00257	.0014
%RSD	.29740	.15420	.25604	.82308	.15583	.21388	14.370	.06042	.03283	.06475	.04874	.51708	.05540
#1	.52833	.52957	1.0212	.51321	.49921	.47265	-.01058	4.7270	.48492	.49781	.52197	.49526	2.5773
#2	.52612	.52841	1.0249	.51922	.50031	.47408	-.00863	4.7310	.48470	.49827	.52233	.49890	2.5753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.894**	**.98123**	**20.085**	**.49045**	**.51758**	**5.0952**	**.52534**	**1.0272**	**.96958**	**.00290**	**1.0139**	**1.0365**	**5.0711**
Stddev	.007	.00321	.047	.00069	.00047	.0126	.00030	.0014	.00379	.00094	.0020	.0017	.0147
%RSD	.01373	.32680	.23173	.14106	.09050	.24708	.05757	.14011	.39051	32.234	.19617	.15943	.28969
#1	47.890	.97896	20.118	.49094	.51725	5.1041	.52555	1.0261	.96690	.00356	1.0125	1.0353	5.0607
#2	47.899	.98350	20.052	.48996	.51791	5.0863	.52512	1.0282	.97225	.00224	1.0153	1.0377	5.0815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.852**	**1.0254**	**.49023**	**.00419**	**.49952**	**1.0001**	**-.04292**	**.47962**	**.50296**	**.48836**
Stddev	.031	.0007	.00021	.00039	.00008	.0001	.00813	.00118	.00312	.00117
%RSD	.28969	.06626	.04266	9.3924	.01672	.00682	18.946	.24571	.61962	.23938
#1	10.830	1.0259	.49038	.00447	.49946	1.0002	-.04867	.48045	.50517	.48753
#2	10.874	1.0249	.49008	.00392	.49957	1.0001	-.03717	.47879	.50076	.48918
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7133.1**	**80574.**	**6711.0**
Stddev	.5	301.	15.0
%RSD	.00680	.37324	.22407
#1	7132.8	80361.	6700.4
#2	7133.5	80786.	6721.6

Sample Name: CCB Acquired: 11/14/2013 22:16:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.00398**	**-.00032**	**.00057**	**.00020**	**.00012**	**.00399**	**.00619**	**-.00010**	**.00007**	**.00018**	**-.00045**
Stddev	.00042	.00363	.00022	.00000	.00004	.00002	.00110	.00209	.00007	.00002	.00003	.00003
%RSD	76.869	91.207	68.135	.52924	20.729	15.206	27.603	33.830	63.092	34.973	19.688	6.7356
#1	-.00025	.00655	-.00017	.00057	.00023	.00014	.00321	.00471	-.00006	.00009	.00020	-.00047
#2	-.00085	.00141	-.00048	.00057	.00017	.00011	.00477	.00767	-.00015	.00005	.00015	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.15285**	**.00169**	**.00500**	**.00016**	**.00033**	W **.17179**	**.00000**	**.00030**	**.00095**	**.00955**	F **.00636**
Stddev	.00299	.01184	.00147	.00140	.00003	.00008	.01514	.00019	.00091	.00038	.00176	.00046
%RSD	59.921	7.7478	86.794	28.076	16.580	23.532	8.8101	4459.7	303.63	40.358	18.463	7.1592
#1	.00288	.16123	.00273	.00401	.00014	.00028	.18250	.00014	-.00034	.00068	.01080	.00604
#2	.00711	.14448	.00065	.00599	.00018	.00039	.16109	-.00013	.00094	.00122	.00830	.00668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**.01162**	**.02486**	**-.00017**	**-.00002**	**.00201**	**.00030**	**.00018**	**-.01419**	**-.00001**	**.00256**	**.00002**
Stddev	.00254	.00668	.01430	.00029	.00013	.00078	.00008	.00086	.00768	.00030	.00008	.00022
%RSD	226.95	57.528	57.528	172.71	606.21	38.672	27.660	479.09	54.127	2254.3	3.1688	942.52
#1	-.00292	.01634	.03497	-.00037	-.00011	.00255	.00025	.00079	-.01962	.00020	.00250	-.00013
#2	.00068	.00689	.01475	.00004	.00007	.00146	.00036	-.00043	-.00876	-.00022	.00262	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7114.5**	**81430.**	**6675.8**
Stddev	6.7	236.	25.5
%RSD	.09375	.28945	.38237
#1	7119.2	81264.	6657.7
#2	7109.8	81597.	6693.8

Sample Name: CCVL2379751 Acquired: 11/14/2013 22:18:51 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00970**	**.10814**	**.01493**	**.10213**	**.01025**	**.00088**	**.11573**	**.20090**	**.00464**	**.01015**	**.01056**	**.01439**	**.10689**	**2.9373**
Stddev	.00045	.00048	.00059	.00004	.00006	.00005	.00085	.00095	.00004	.00010	.00002	.00000	.00002	.0088
%RSD	4.6846	.44163	3.9315	.04256	.60235	5.8786	.73085	.47343	.94242	1.0321	.14714	.02497	.02171	.30012
#1	.00937	.10848	.01451	.10216	.01020	.00085	.11633	.20157	.00461	.01007	.01057	.01439	.10690	2.9436
#2	.01002	.10780	.01534	.10210	.01029	.00092	.11513	.20022	.00467	.01022	.01055	.01439	.10687	2.9311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.20933**	**.00992**	**.02009**	**1.1144**	**.04285**	**3.0001**	**.00849**	**.00379**	**.01155**	**.01199**	**.49285**	**1.0547**	**.10466**
Stddev	.00010	.00017	.00005	.00021	.0118	.00003	.0037	.00113	.00192	.00005	.00093	.00478	.0102	.00067
%RSD	.95940	.07906	.50174	1.0375	1.0568	.07005	.12263	13.355	50.777	.43202	7.7736	.96976	.96976	.63687
#1	.01026	.20921	.00988	.01994	1.1061	.04287	3.0027	.00769	.00515	.01158	.01265	.49623	1.0619	.10513
#2	.01012	.20944	.00995	.02024	1.1228	.04282	2.9975	.00929	.00243	.01151	.01133	.48947	1.0475	.10419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00969**	**.01603**	**.00975**	**.01585**	**.07492**	**.00964**	**.02436**	**.01298**
Stddev	.00004	.00010	.00019	.00007	.02404	.00048	.00063	.00020
%RSD	.42757	.60235	1.9292	.46880	32.091	4.9982	2.5933	1.5558
#1	.00966	.01596	.00988	.01580	.09192	.00930	.02391	.01284
#2	.00972	.01610	.00961	.01590	.05792	.00998	.02480	.01313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7265.6**	**82913.**	**6797.4**
Stddev	13.0	757.	10.3
%RSD	.17947	.91241	.15190
#1	7274.8	83448.	6790.1
#2	7256.3	82378.	6804.7

Sample Name: mb 280-200656/1-a Acquired: 11/14/2013 22:21:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00068**	**.00136**	**-.00114**	**-.00030**	**.00059**	**-.00003**	**.00319**	**.00553**	**-.00001**	**-.00007**
Stddev	.00032	.00016	.00327	.00060	.00031	.00002	.00115	.00475	.00018	.00010
%RSD	47.107	11.706	285.98	199.37	52.506	85.401	36.172	85.772	1465.2	139.54
#1	-.00091	.00125	.00117	.00012	.00037	-.00005	.00237	.00889	.00012	-.00014
#2	-.00045	.00148	-.00345	-.00072	.00081	-.00001	.00400	.00218	-.00014	.00000
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00077**	**.00622**	**.10312**	**.00134**	**.00161**	**.00018**	**-.00021**	W **.12276**	**-.00007**
Stddev	.00011	.00044	.00153	.02838	.00021	.00170	.00003	.00004	.00409	.00012
%RSD	273.39	56.896	24.632	27.519	15.532	105.48	15.244	21.394	3.3338	169.05
#1	.00011	-.00046	.00514	.08306	.00149	.00041	.00016	-.00018	.11987	-.00015
#2	-.00004	-.00108	.00730	.12319	.00119	.00281	.00020	-.00024	.12566	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00041**	W **.00932**	**.00139**	**-.00074**	F **.02375**	**.05083**	**-.00068**	**-.00014**	W **.00290**
Stddev	.00084	.00053	.00012	.00075	.00077	.01387	.02968	.00022	.00008	.00054
%RSD	96.577	129.23	1.2624	53.706	103.82	58.402	58.402	32.129	57.847	18.633
#1	.00146	.00004	.00940	.00086	-.00020	.03356	.07182	-.00053	-.00008	.00252
#2	.00028	.00079	.00924	.00191	-.00129	.01394	.02984	-.00083	-.00019	.00329
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.00500			.01000				.00000
Low Limit			-.00500			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00002**	**-.04784**	**-.00002**	**.00287**	**-.00045**
Stddev	.00027	.00074	.00785	.00032	.00015	.00039
%RSD	145.19	3889.7	16.417	1761.6	5.3768	87.802
#1	-.00038	.00054	-.05339	-.00024	.00276	-.00017
#2	.00000	-.00050	-.04228	.00021	.00298	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7199.0**	**81818.**	**6796.7**
Stddev	3.8	61.	28.7
%RSD	.05293	.07440	.42179
#1	7201.7	81861.	6776.4
#2	7196.3	81775.	6816.9

Sample Name: lcs 280-200656/2-a Acquired: 11/14/2013 22:23:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05056**	**2.0017**	**1.0294**	**1.0485**	**2.0305**	**.04827**	**2.1237**	**46.479**	**.09805**	**.49146**
Stddev	.00016	.0010	.0012	.0004	.0033	.00007	.0031	.072	.00016	.00059
%RSD	.31591	.04993	.11140	.03741	.16346	.14479	.14692	.15531	.16144	.11976
#1	.05045	2.0024	1.0302	1.0488	2.0328	.04822	2.1215	46.530	.09816	.49188
#2	.05067	2.0009	1.0286	1.0482	2.0282	.04832	2.1259	46.428	.09794	.49105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21212**	**.25075**	**1.0301**	**49.168**	**1.0033**	**50.568**	**.48880**	**1.0501**	**51.267**	**.51770**
Stddev	.00016	.00089	.0024	.010	.0010	.040	.00080	.0004	.052	.00159
%RSD	.07320	.35479	.23155	.02037	.09614	.07854	.16425	.03606	.10137	.30776
#1	.21201	.25012	1.0284	49.175	1.0026	50.540	.48823	1.0499	51.304	.51657
#2	.21223	.25138	1.0318	49.161	1.0040	50.596	.48937	1.0504	51.230	.51882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.499**	**.47020**	**-.00146**	**.50747**	**2.0811**	**10.320**	**22.085**	**2.0476**	**.99443**	**1.0081**
Stddev	.000	.00008	.00026	.00413	.0017	.095	.204	.0032	.00080	.0036
%RSD	.00284	.01739	17.651	.81477	.08318	.92392	.92392	.15548	.08032	.35696
#1	10.499	.47014	-.00164	.50455	2.0824	10.388	22.230	2.0454	.99500	1.0106
#2	10.498	.47026	-.00128	.51040	2.0799	10.253	21.941	2.0499	.99387	1.0055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0239**	**1.9215**	F **3.2792**	**.48976**	**.49844**	**.48929**
Stddev	.0017	.0006	.0531	.00134	.00319	.00828
%RSD	.16257	.03109	1.6180	.27280	.64004	1.6921
#1	1.0227	1.9211	3.2417	.48882	.49618	.49514
#2	1.0251	1.9219	3.3167	.49071	.50069	.48343
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6920.1**	**78769.**	**6750.5**
Stddev	11.6	402.	32.0
%RSD	.16789	.51002	.47396
#1	6928.3	79053.	6773.1
#2	6911.9	78485.	6727.9

Sample Name: 280-49106-c-1-a Acquired: 11/14/2013 22:25:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.14783**	**-.00219**	**.04556**	**1.1107**	**.00005**	**-.00153**	**5.0286**	**-.00020**	**-.00032**
Stddev	.00023	.00070	.00273	.00029	.0043	.00005	.00138	.0323	.00019	.00027
%RSD	29.162	.47633	124.73	.62740	.38534	94.684	90.202	.64239	96.308	85.455
#1	-.00063	.14733	-.00413	.04576	1.1077	.00008	-.00250	5.0058	-.00006	-.00051
#2	-.00095	.14832	-.00026	.04535	1.1138	.00002	-.00055	5.0515	-.00033	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**.00016**	**2.8835**	**5.2975**	**.04785**	**1.6963**	**.04512**	**.00662**	W **744.80**	**.00182**
Stddev	.00010	.00036	.0137	.0236	.00150	.0063	.00007	.00001	3.16	.00020
%RSD	7.8416	222.98	.47489	.44507	3.1340	.37305	.15388	.12145	.42460	10.692
#1	.00117	.00041	2.8931	5.3142	.04891	1.7008	.04517	.00661	742.57	.00169
#2	.00131	-.00009	2.8738	5.2808	.04679	1.6918	.04508	.00662	747.04	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14313**	**-.00066**	**.42521**	**-.00004**	**.00319**	**8.2530**	**17.661**	**-.00060**	**.68561**	**.00312**
Stddev	.00034	.00040	.00291	.00242	.00116	.0573	.123	.00080	.00307	.00193
%RSD	.23953	61.321	.68512	5994.5	36.425	.69416	.69416	133.73	.44808	61.854
#1	.14337	-.00095	.42727	-.00175	.00237	8.2935	17.748	-.00003	.68344	.00448
#2	.14288	-.00037	.42315	.00167	.00401	8.2125	17.575	-.00117	.68778	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	**.00131**	W **-.05655**	**.00085**	**.00498**	**.00068**
Stddev	.00036	.00017	.00123	.00024	.00038	.00033
%RSD	13.895	13.220	2.1750	28.086	7.6418	48.392
#1	.00233	.00144	-.05568	.00102	.00471	.00044
#2	.00284	.00119	-.05741	.00068	.00525	.00091
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6654.7**	**74249.**	**6579.2**
Stddev	20.1	394.	31.7
%RSD	.30192	.53033	.48240
#1	6640.5	73971.	6601.7
#2	6668.9	74527.	6556.8

Sample Name: 280-49067-e-6-a Acquired: 11/14/2013 22:28:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.15344**	**-.00022**	**.18252**	**.05821**	**-.00003**	**-.00021**	**45.538**	**.00025**	**-.00003**
Stddev	.00018	.00060	.00047	.00012	.00047	.00005	.00026	.024	.00011	.00020
%RSD	20.369	.38984	211.23	.06803	.80703	167.06	123.54	.05174	45.698	655.11
#1	-.00077	.15386	.00011	.18261	.05855	.00001	-.00039	45.521	.00017	.00011
#2	-.00103	.15302	-.00056	.18244	.05788	-.00007	-.00003	45.555	.00032	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00828**	**1.1377**	**49.857**	**.01959**	**12.419**	**.12223**	**.00155**	**86.414**	**.00420**
Stddev	.00007	.00045	.0089	.087	.00041	.024	.00011	.00014	.209	.00016
%RSD	8.3881	5.4529	.78571	.17379	2.0930	.19333	.08862	9.3695	.24176	3.8571
#1	.00089	.00796	1.1313	49.795	.01930	12.436	.12230	.00165	86.562	.00409
#2	.00079	.00860	1.1440	49.918	.01988	12.402	.12215	.00144	86.266	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27885**	**.00093**	**24.832**	**.00122**	**.00050**	**4.9991**	**10.698**	**-.00057**	**.29710**	**.00041**
Stddev	.00004	.00054	.057	.00014	.00233	.0341	.073	.00001	.00017	.00055
%RSD	.01295	57.640	.22954	11.111	469.96	.68169	.68169	1.4625	.05642	132.61
#1	.27883	.00055	24.872	.00112	.00215	4.9750	10.646	-.00057	.29698	.00003
#2	.27888	.00131	24.791	.00131	-.00115	5.0232	10.750	-.00056	.29722	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00030**	**-.03019**	**.00067**	**.04383**	**.00141**
Stddev	.00066	.00048	.02395	.00009	.00004	.00023
%RSD	68.166	160.99	79.318	13.236	.08953	16.654
#1	.00050	-.00004	-.01326	.00073	.04380	.00157
#2	.00144	.00064	-.04712	.00060	.04386	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.2**	**79050.**	**6696.1**
Stddev	5.0	420.	23.4
%RSD	.07225	.53113	.34933
#1	6964.8	78753.	6712.7
#2	6957.7	79347.	6679.6

Sample Name: 280-49092-b-1-a Acquired: 11/14/2013 22:30:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.05966**	**.00397**	**.14285**	**.05025**	**-.00005**	**-.00290**	**61.206**	**.00011**	**-.00017**
Stddev	.00016	.00013	.00206	.00017	.00035	.00004	.00187	.206	.00001	.00018
%RSD	16.765	.22239	51.797	.12089	.69451	77.699	64.549	.33635	8.1018	107.65
#1	-.00086	.05956	.00543	.14273	.05050	-.00007	-.00158	61.352	.00010	-.00030
#2	-.00109	.05975	.00252	.14297	.05000	-.00002	-.00423	61.061	.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00224**	**.00418**	**.05430**	**8.0395**	**.01847**	**10.696**	**.02606**	**.00440**	**72.852**	**.04512**
Stddev	.00013	.00019	.00061	.0492	.00276	.019	.00002	.00009	.458	.00079
%RSD	5.9415	4.6619	1.1277	.61230	14.925	.17410	.09445	2.1452	.62932	1.7421
#1	.00233	.00404	.05473	8.0743	.01653	10.709	.02608	.00433	72.528	.04457
#2	.00215	.00432	.05387	8.0047	.02042	10.683	.02605	.00446	73.176	.04568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7368**	**-.00193**	**30.717**	**.00111**	**.00392**	**18.417**	**39.411**	**-.00080**	**.37722**	**.00043**
Stddev	.0015	.00005	.003	.00054	.00111	.093	.199	.00030	.00145	.00101
%RSD	.08594	2.7973	.00977	48.756	28.336	.50574	.50574	37.014	.38440	233.74
#1	1.7357	-.00197	30.715	.00073	.00314	18.482	39.552	-.00101	.37825	.00114
#2	1.7378	-.00190	30.719	.00150	.00471	18.351	39.270	-.00059	.37620	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00112**	**-.01617**	**.00531**	**.01543**	**.00120**
Stddev	.00011	.00022	.00368	.00056	.00082	.00261
%RSD	9.5012	19.895	22.774	10.633	5.3080	218.22
#1	.00128	.00096	-.01357	.00571	.01601	.00305
#2	.00111	.00127	-.01877	.00491	.01485	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.6**	**79183.**	**6688.7**
Stddev	1.5	165.	7.5
%RSD	.02143	.20818	.11154
#1	6960.5	79066.	6694.0
#2	6962.6	79299.	6683.4

Sample Name: 280-49105-c-1-a Acquired: 11/14/2013 22:32:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.03009**	**-.00337**	**.22479**	**.58685**	**.00004**	**-.00087**	**2.5174**	**-.00004**	**-.00069**
Stddev	.00031	.00005	.00010	.00027	.00026	.00005	.00154	.0162	.00015	.00011
%RSD	26.459	.16942	2.9139	.12092	.04397	138.88	177.33	.64511	364.68	15.817
#1	-.00094	.03012	-.00331	.22498	.58667	.00007	-.00196	2.5289	.00006	-.00076
#2	-.00138	.03005	-.00344	.22460	.58703	.00000	.00022	2.5059	-.00014	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00006**	**.66013**	**3.1858**	**.12487**	**.58507**	**.01061**	**.00043**	W **551.81**	**.00065**
Stddev	.00008	.00035	.00166	.0664	.00189	.00178	.00003	.00002	1.20	.00007
%RSD	9.2071	555.51	.25134	2.0848	1.5160	.30464	.32933	4.4807	.21684	11.471
#1	.00098	.00031	.66130	3.1388	.12621	.58633	.01059	.00042	550.97	.00070
#2	.00086	-.00018	.65896	3.2328	.12353	.58381	.01064	.00044	552.66	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03250**	**-.00057**	**.15538**	**.00062**	**.00077**	**9.3314**	**19.969**	**-.00070**	**.50542**	**.00184**
Stddev	.00042	.00015	.00120	.00003	.00116	.0341	.073	.00026	.00083	.00078
%RSD	1.2897	26.045	.77132	4.2038	150.81	.36545	.36545	37.586	.16509	42.627
#1	.03220	-.00067	.15454	.00064	.00159	9.3555	20.021	-.00051	.50483	.00239
#2	.03279	-.00046	.15623	.00060	-.00005	9.3073	19.918	-.00088	.50601	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00037**	**-.00737**	**.00000**	**.00505**	**.00111**
Stddev	.00010	.00027	.05077	.0003	.00014	.00279
%RSD	14.357	73.610	688.68	13835.	2.8489	251.80
#1	.00064	.00018	-.04327	.00023	.00495	-.00087
#2	.00078	.00057	.02853	-.00023	.00515	.00308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6696.9**	**75297.**	**6616.0**
Stddev	10.8	415.	21.1
%RSD	.16080	.55082	.31828
#1	6704.5	75003.	6630.8
#2	6689.3	75590.	6601.1

Sample Name: 280-49105-c-1-aSD@5 Acquired: 11/14/2013 22:35:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.01447**	**.00004**	**.04622**	**.11875**	**.00004**	**.00439**	**.52401**	**-.00006**	**-.00028**
Stddev	.00051	.00015	.00139	.00058	.00088	.00001	.00045	.00201	.00004	.00001
%RSD	41.956	1.0362	3756.2	1.2451	.74073	39.542	10.249	.38334	72.055	3.0378
#1	-.00086	.01437	-.00094	.04662	.11813	.00003	.00407	.52543	-.00008	-.00029
#2	-.00159	.01458	.00102	.04581	.11937	.00005	.00471	.52259	-.00003	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00051**	**.14532**	**.72417**	**.02780**	**.11932**	**.00232**	**-.00022**	**109.70**	**-.00002**
Stddev	.00020	.00026	.00102	.00469	.00200	.00487	.00002	.00005	.11	.00001
%RSD	89.362	51.175	.70369	.64720	7.1760	4.0800	.64920	21.837	.09773	78.186
#1	.00037	-.00069	.14460	.72748	.02921	.11588	.00231	-.00025	109.62	-.00003
#2	.00008	-.00033	.14604	.72085	.02639	.12277	.00233	-.00018	109.77	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00575**	**-.00079**	**.03360**	**.00046**	**-.00051**	**1.8697**	**4.0012**	**.00126**	**.10118**	**.00330**
Stddev	.00028	.00049	.00119	.00007	.00335	.0202	.0432	.00042	.00008	.00115
%RSD	4.7929	61.243	3.5281	14.416	654.93	1.0800	1.0800	33.245	.08361	34.864
#1	.00556	-.00045	.03443	.00050	-.00288	1.8554	3.9706	.00156	.10112	.00411
#2	.00595	-.00114	.03276	.00041	.00186	1.8840	4.0317	.00097	.10124	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00130**	**-.03434**	**.00032**	**.00514**	**-.00074**
Stddev	.00016	.00075	.01241	.00003	.00000	.00007
%RSD	142.78	57.952	36.149	8.8254	.04902	9.4142
#1	-.00023	.00183	-.04312	.00030	.00513	-.00079
#2	.00000	.00077	-.02556	.00034	.00514	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.5**	**80096.**	**6701.5**
Stddev	4.0	262.	24.9
%RSD	.05718	.32716	.37159
#1	6997.4	79911.	6719.1
#2	6991.7	80281.	6683.8

Sample Name: 280-49105-c-1-b ms Acquired: 11/14/2013 22:37:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05077**	**1.8944**	**1.0237**	**1.2163**	**2.5166**	**.04560**	F **2.0274**	**46.328**	**.09517**	**.46200**
Stddev	.00080	.0034	.0016	.0029	.0053	.00008	.0059	.107	.00021	.00032
%RSD	1.5800	.18150	.15688	.23959	.20891	.17582	.29079	.23195	.21934	.06833
#1	.05133	1.8920	1.0248	1.2183	2.5203	.04554	2.0316	46.404	.09532	.46178
#2	.05020	1.8969	1.0225	1.2142	2.5129	.04566	2.0233	46.252	.09502	.46223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20336**	**.24000**	**1.6512**	**52.151**	**1.1046**	**47.356**	**.47497**	**1.0030**	W **596.92**	**.49206**
Stddev	.00077	.00047	.0134	.150	.0024	.074	.00068	.0014	.84	.00060
%RSD	.37994	.19571	.80977	.28708	.21554	.15536	.14252	.13579	.14115	.12279
#1	.20391	.23966	1.6606	52.257	1.1063	47.408	.47545	1.0021	597.52	.49248
#2	.20281	.24033	1.6417	52.045	1.1029	47.304	.47449	1.0040	596.33	.49163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.365**	**.43317**	**.08561**	**.49548**	**2.0245**	**19.252**	**41.198**	**1.9428**	**1.4500**	**.96576**
Stddev	.006	.00148	.00142	.00296	.0173	.134	.286	.0075	.0034	.00016
%RSD	.05366	.34158	1.6591	.59803	.85545	.69510	.69510	.38831	.23227	.01632
#1	10.361	.43422	.08460	.49338	2.0122	19.346	41.401	1.9374	1.4524	.96587
#2	10.369	.43213	.08661	.49757	2.0367	19.157	40.996	1.9481	1.4476	.96565
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98206**	**1.7022**	**3.0314**	**.46706**	**.48758**	**.46188**
Stddev	.00055	.0060	.1042	.00152	.00190	.00038
%RSD	.05596	.35524	3.4382	.32620	.39024	.08157
#1	.98167	1.6979	2.9577	.46813	.48623	.46161
#2	.98245	1.7064	3.1051	.46598	.48892	.46215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6651.0**	**75081.**	**6717.2**
Stddev	20.2	389.	61.5
%RSD	.30381	.51807	.91594
#1	6665.3	74806.	6673.7
#2	6636.7	75356.	6760.7

Sample Name: 280-49105-c-1-c msd Acquired: 11/14/2013 22:39:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05200**	**1.9291**	**1.0491**	**1.2413**	**2.5867**	**.04686**	F **2.0726**	**47.736**	**.09749**	**.47266**
Stddev	.00023	.0075	.0015	.0070	.0004	.00003	.0177	.084	.00082	.00100
%RSD	.44010	.38681	.14149	.56036	.01417	.05954	.85499	.17687	.83889	.21186
#1	.05216	1.9344	1.0481	1.2364	2.5869	.04684	2.0601	47.796	.09691	.47337
#2	.05184	1.9239	1.0502	1.2462	2.5864	.04688	2.0851	47.676	.09807	.47195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20761**	**.24684**	**1.6763**	**53.878**	**1.1386**	**48.749**	**.48938**	**1.0217**	W **606.27**	**.50216**
Stddev	.00115	.00049	.0058	.013	.0011	.149	.00073	.0007	.20	.00216
%RSD	.55224	.19780	.34803	.02450	.09800	.30648	.14938	.06485	.03335	.43099
#1	.20680	.24650	1.6804	53.868	1.1394	48.854	.48990	1.0222	606.12	.50063
#2	.20842	.24719	1.6722	53.887	1.1378	48.643	.48887	1.0213	606.41	.50369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.606**	**.44402**	**.08294**	**.50403**	**2.0698**	**19.731**	**42.224**	**1.9680**	**1.4883**	**.99559**
Stddev	.006	.00052	.00045	.00145	.0055	.190	.406	.0035	.0014	.00081
%RSD	.05571	.11765	.54476	.28858	.26357	.96079	.96079	.17819	.09762	.08104
#1	10.610	.44365	.08326	.50300	2.0737	19.597	41.937	1.9704	1.4893	.99616
#2	10.602	.44439	.08262	.50506	2.0659	19.865	42.511	1.9655	1.4873	.99502
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0051**	**1.7374**	**3.1477**	**.48249**	**.49944**	**.47247**
Stddev	.0001	.0051	.0313	.00055	.00037	.00451
%RSD	.00823	.29321	.99475	.11474	.07331	.95421
#1	1.0052	1.7410	3.1698	.48210	.49970	.46928
#2	1.0051	1.7338	3.1255	.48289	.49918	.47565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6628.8**	**74579.**	**6686.3**
Stddev	5.1	118.	18.0
%RSD	.07679	.15810	.26861
#1	6632.4	74495.	6673.6
#2	6625.2	74662.	6699.0

Sample Name: CCVH-2372891 Acquired: 11/14/2013 22:42:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00657**	**48.910**	**-.00355**	**.00482**	**.00105**	**-.00002**	W **1.0638**	**.02651**	**.00071**	**-.00112**	**.00023**	**-.00617**
Stddev	.00024	.076	.00075	.00077	.00007	.00003	.0008	.00473	.00007	.00003	.00014	.00062
%RSD	3.7015	.15467	21.005	15.911	6.7506	119.44	.07556	17.849	9.9194	2.7089	61.210	10.074
#1	-.00674	48.964	-.00408	.00537	.00100	-.00005	1.0644	.02985	.00066	-.00114	.00033	-.00573
#2	-.00640	48.857	-.00302	.00428	.00111	.00000	1.0632	.02316	.00075	-.00110	.00013	-.00661
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.157**	**.35852**	**.00346**	**.06440**	**-.00010**	**.00102**	**252.04**	**-.00095**	**.00430**	**-.00140**	**5.0918**	**.00088**
Stddev	.241	.03211	.00110	.00254	.00004	.00001	.10	.00005	.00148	.00074	.0321	.00207
%RSD	.47055	8.9560	31.750	3.9456	39.972	1.2848	.03910	5.3807	34.368	53.163	.63112	234.81
#1	50.986	.33582	.00424	.06620	-.00007	.00103	252.11	-.00091	.00535	-.00192	5.1146	.00234
#2	51.327	.38123	.00269	.06260	-.00012	.00101	251.97	-.00098	.00326	-.00087	5.0691	-.00058
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00281**	**.01188**	**.02543**	**-.00030**	**.00039**	**5.0864**	**.01258**	**.00251**	F **8.2121**	**.00070**	**.00195**	**-.07173**
Stddev	.00254	.00823	.01760	.00025	.00006	.0010	.00021	.00066	.0714	.00040	.00041	.00051
%RSD	90.402	69.221	69.221	82.142	14.154	.02044	1.6523	26.213	.86946	57.808	20.795	.71466
#1	-.00461	.00607	.01298	-.00047	.00043	5.0872	.01273	.00297	8.2625	.00041	.00224	-.07137
#2	-.00101	.01770	.03787	-.00013	.00035	5.0857	.01243	.00204	8.1616	.00099	.00167	-.07209
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6980.9**	**78332.**	**6765.6**
Stddev	16.0	361.	38.3
%RSD	.22924	.46099	.56577
#1	6992.2	78588.	6792.7
#2	6969.5	78077.	6738.6

Sample Name: CCV-2372889 Acquired: 11/14/2013 22:44:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53417**	**.52823**	**1.0354**	**.52280**	**.49927**	**.47107**	**-.01072**	**4.6592**	**.48562**	**.49947**	**.52719**	**.50122**	**2.5747**
Stddev	.00023	.00022	.0007	.00109	.00379	.00567	.00043	.0024	.00016	.00092	.00103	.00101	.0011
%RSD	.04353	.04089	.06967	.20793	.75874	1.2031	3.9699	.05106	.03280	.18333	.19627	.20241	.04397
#1	.53433	.52838	1.0359	.52203	.50194	.47508	-.01042	4.6609	.48551	.49882	.52646	.50194	2.5755
#2	.53400	.52808	1.0349	.52356	.49659	.46706	-.01102	4.6575	.48573	.50012	.52792	.50050	2.5739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.580**	**.97983**	**20.228**	**.49270**	**.52048**	**5.2408**	**.52915**	**1.0318**	**.96292**	**-.00220**	**1.0206**	**1.0585**	**5.0098**
Stddev	.482	.00800	.060	.00110	.00083	.0690	.00010	.0041	.00034	.00241	.0006	.0037	.0486
%RSD	1.0131	.81666	.29685	.22257	.15994	1.3158	.01836	.39559	.03520	109.46	.06045	.34989	.97005
#1	47.921	.98549	20.270	.49347	.51989	5.2896	.52908	1.0289	.96316	-.00390	1.0202	1.0612	5.0442
#2	47.239	.97417	20.185	.49192	.52107	5.1921	.52922	1.0346	.96268	-.00050	1.0211	1.0559	4.9755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.721**	**1.0304**	**.48914**	**.00458**	**.50186**	**1.0025**	**.01608**	**.48016**	**.50406**	**.48450**
Stddev	.104	.0006	.00475	.00090	.00018	.0023	.04645	.00058	.00151	.00287
%RSD	.97005	.05993	.97043	19.565	.03620	.22868	288.95	.11999	.29866	.59224
#1	10.795	1.0308	.49250	.00395	.50173	1.0041	.04893	.47975	.50512	.48653
#2	10.648	1.0300	.48579	.00522	.50199	1.0009	-.01677	.48057	.50299	.48247
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7044.6**	**79609.**	**6721.5**
Stddev	22.6	227.	76.0
%RSD	.32122	.28472	1.1302
#1	7060.6	79449.	6667.7
#2	7028.6	79769.	6775.2

Sample Name: CCB Acquired: 11/14/2013 22:46:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00116**	F **.03108**	**-.00032**	**.00376**	**.00030**	**.00004**	**.00572**	**-.00153**	**.00014**	**.00037**	**.00029**
Stddev	.00008	.00594	.00029	.00081	.00004	.00001	.00111	.00661	.00012	.00009	.00009
%RSD	6.9602	19.096	90.594	21.455	13.509	17.205	19.382	432.20	87.685	23.358	31.123
#1	-.00121	.02689	-.00053	.00433	.00027	.00005	.00494	.00314	.00005	.00043	.00023
#2	-.00110	.03528	-.00012	.00319	.00033	.00004	.00650	-.00620	.00023	.00031	.00035
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093	.03100									
Low Limit	-.00093	-.03100									

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**-.00087**	**.17143**	W **.00299**	**.00298**	**.00003**	**.00076**	F **.25807**	**.00052**	**.00485**	**.00058**
Stddev	.00019	.00153	.01549	.00144	.00118	.00001	.00016	.00861	.00065	.00344	.00028
%RSD	30.670	175.28	9.0359	48.183	39.464	41.306	21.407	3.3376	125.53	70.764	48.002
#1	-.00048	.00021	.16048	.00400	.00382	.00004	.00064	.25198	.00006	.00243	.00038
#2	-.00074	-.00195	.18239	.00197	.00215	.00002	.00087	.26416	.00097	.00728	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	F **.00789**	**.00355**	**-.00746**	**-.01595**	**.00089**	**-.00020**	**.00213**	**.00005**	**.00070**	**-.01639**
Stddev	.00298	.00231	.00231	.01292	.02765	.00004	.00004	.00090	.00016	.00083	.03675
%RSD	29.416	29.275	64.960	173.29	173.29	4.6943	22.776	42.410	310.51	118.05	224.20
#1	.00803	.00953	.00192	.00168	.00360	.00086	-.00016	.00276	.00016	.00012	-.04238
#2	.01225	.00626	.00519	-.01659	-.03551	.00092	-.00023	.00149	-.00006	.00129	.00959
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00015**	**.00291**	**-.00064**
Stddev	.00018	.00022	.00030
%RSD	115.81	7.5597	46.303
#1	-.00003	.00307	-.00043
#2	-.00028	.00276	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7014.4**	**80244.**	**6570.2**
Stddev	17.9	63.	46.9
%RSD	.25452	.07877	.71375
#1	7001.8	80289.	6603.4
#2	7027.0	80199.	6537.0

Sample Name: CCVL2379751 Acquired: 11/14/2013 22:48:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.10837**	**.01480**	**.10507**	**.01036**	**.00099**	**.11368**	**.19319**	**.00474**	**.01010**	**.01060**	**.01407**	**.10465**	**3.0005**
Stddev	.00070	.00037	.00064	.00013	.00004	.00002	.00249	.00200	.00015	.00008	.00013	.00023	.00008	.0011
%RSD	7.1129	.33924	4.3165	.12307	.40297	2.2019	2.1906	1.0345	3.2586	.82342	1.2098	1.6077	.07824	.03792
#1	.01028	.10811	.01525	.10516	.01039	.00097	.11192	.19460	.00463	.01004	.01051	.01391	.10471	3.0013
#2	.00930	.10863	.01435	.10498	.01033	.00100	.11544	.19178	.00485	.01016	.01069	.01423	.10459	2.9997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00935**	**.20813**	**.01005**	**.02013**	**1.2024**	**.04348**	**3.0266**	**.00843**	**.00283**	**.01142**	**.01611**	**.51405**	**1.1001**	**.10525**
Stddev	.00103	.00361	.00002	.00030	.0090	.00045	.0047	.00048	.00074	.00101	.00157	.00407	.0087	.00074
%RSD	10.977	1.7343	.24777	1.4847	.75143	1.0396	.15423	5.6755	26.156	8.8276	9.7337	.79097	.79097	.70759
#1	.00862	.20558	.01007	.01992	1.1960	.04316	3.0299	.00809	.00230	.01070	.01500	.51693	1.1062	.10472
#2	.01008	.21068	.01003	.02034	1.2087	.04380	3.0232	.00876	.00335	.01213	.01722	.51118	1.0939	.10578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.01468**	**.00961**	**.01637**	**.05964**	**.00959**	**.02442**	**.01664**
Stddev	.00025	.00216	.00031	.00115	.03430	.00005	.00052	.00205
%RSD	2.5473	14.729	3.2208	7.0065	57.506	.48410	2.1352	12.304
#1	.00967	.01620	.00939	.01718	.03539	.00956	.02478	.01809
#2	.01002	.01315	.00983	.01556	.08389	.00962	.02405	.01519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7194.7**	**81654.**	**6683.5**
Stddev	2.1	42.	56.5
%RSD	.02900	.05113	.84562
#1	7193.2	81625.	6723.5
#2	7196.1	81684.	6643.6

Sample Name: 48901-9 Acquired: 11/14/2013 22:51:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: K DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.01560**	**.00035**	**.42450**	**.04513**	**.00004**	**.00553**	**102.55**	**.00053**	**.00013**
Stddev	.00025	.00047	.00257	.00057	.00003	.00002	.00163	.02	.00015	.00006
%RSD	32.585	3.0174	739.44	.13419	.05649	45.566	29.493	.02207	29.168	43.848
#1	-.00059	.01527	-.00147	.42410	.04511	.00006	.00437	102.57	.00064	.00017
#2	-.00095	.01593	.00216	.42490	.04515	.00003	.00668	102.54	.00042	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00050**	**.10771**	**10.417**	**.04389**	**49.039**	**.06295**	**.00519**	**167.13**	**.00139**
Stddev	.00017	.00009	.00425	.004	.00160	.260	.00015	.00011	.62	.00023
%RSD	85.651	18.436	3.9479	.03416	3.6541	.53028	.24468	2.1199	.37197	16.319
#1	.00008	.00057	.11072	10.420	.04276	49.223	.06306	.00527	166.69	.00155
#2	.00032	.00044	.10471	10.415	.04503	48.855	.06284	.00511	167.57	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00861**	**-.00086**	**135.11**	**.00088**	**-.00066**	**7.1308**	**15.260**	**.00004**	**4.1063**	**.00178**
Stddev	.00059	.00013	.10	.00234	.00310	.1059	.227	.00057	.0056	.00048
%RSD	6.8107	15.150	.07620	264.72	470.17	1.4854	1.4854	1326.9	.13626	27.137
#1	.00820	-.00076	135.18	.00254	.00153	7.2057	15.420	-.00036	4.1023	.00144
#2	.00903	-.00095	135.03	-.00077	-.00285	7.0559	15.100	.00044	4.1102	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00264**	**-.02617**	**.00049**	**.00399**	**.00085**
Stddev	.00013	.00094	.01097	.00001	.00005	.00158
%RSD	83.362	35.651	41.923	2.4905	1.3297	184.99
#1	.00025	.00331	-.01841	.00050	.00395	.00197
#2	.00007	.00198	-.03392	.00048	.00402	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.8**	**78438.**	**6718.9**
Stddev	9.0	372.	28.8
%RSD	.12975	.47434	.42818
#1	6912.1	78175.	6698.5
#2	6899.4	78701.	6739.2

Sample Name: 280-49105-c-2-a Acquired: 11/14/2013 22:53:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.37772**	**-.00094**	**.22637**	**.51819**	**.00004**	**-.00030**	**3.4568**	**-.00017**	**-.00072**
Stddev	.00044	.00378	.00225	.00068	.00092	.00006	.00080	.0082	.00002	.00011
%RSD	51.934	1.0010	238.66	.30056	.17680	151.15	270.21	.23834	12.683	14.749
#1	-.00053	.37505	.00065	.22686	.51754	.00008	-.00086	3.4510	-.00016	-.00079
#2	-.00115	.38039	-.00253	.22589	.51884	.00000	.00027	3.4626	-.00019	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00069**	**.70271**	**3.4097**	**.13331**	**.85851**	**.02063**	**.00087**	W **583.04**	**.00059**
Stddev	.00018	.00031	.00250	.0775	.00201	.00437	.00003	.00011	.28	.00027
%RSD	15.322	45.110	.35628	2.2745	1.5064	.50955	.13566	12.190	.04819	46.634
#1	.00132	.00091	.70094	3.3548	.13189	.86160	.02061	.00095	583.24	.00078
#2	.00106	.00047	.70448	3.4645	.13473	.85541	.02065	.00080	582.84	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04017**	**.00023**	**.22391**	**.00027**	**.00242**	**9.1107**	**19.497**	**-.00032**	**.55772**	**.00055**
Stddev	.00153	.00046	.00988	.00071	.00165	.0625	.134	.00041	.00013	.00032
%RSD	3.8007	203.16	4.4127	262.63	68.175	.68572	.68572	129.14	.02273	58.413
#1	.04125	.00056	.23089	.00077	.00358	9.0666	19.402	-.00003	.55763	.00032
#2	.03909	-.00010	.21692	-.00023	.00125	9.1549	19.592	-.00061	.55781	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**.00077**	W **-.06990**	**.00088**	**.00582**	**.00000**
Stddev	.00029	.00040	.00082	.00044	.00038	.00166
%RSD	4.1373	52.326	1.1786	49.425	6.5647	45032.
#1	.00721	.00106	-.06931	.00057	.00609	.00118
#2	.00680	.00049	-.07048	.00119	.00555	-.00117
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6623.8**	**74491.**	**6631.5**
Stddev	19.1	182.	23.7
%RSD	.28861	.24402	.35798
#1	6637.4	74363.	6648.3
#2	6610.3	74620.	6614.7

Sample Name: 280-49105-c-3-a Acquired: 11/14/2013 22:55:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.35810**	**-.00109**	**.22445**	**.51347**	**.00003**	**.00086**	**3.4405**	**-.00015**	**-.00043**
Stddev	.00029	.00218	.00213	.00069	.00061	.00003	.00028	.0192	.00030	.00015
%RSD	68.995	.60861	195.11	.30930	.11946	93.899	32.012	.55663	198.98	34.338
#1	-.00022	.35656	-.00260	.22494	.51390	.00001	.00067	3.4541	-.00037	-.00053
#2	-.00063	.35964	.00042	.22396	.51304	.00006	.00106	3.4270	.00006	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00076**	**.68294**	**3.4468**	**.13114**	**.83776**	**.01999**	**.00079**	W **579.55**	**.00179**
Stddev	.00017	.00032	.00185	.0652	.00233	.00208	.00003	.00018	1.00	.00017
%RSD	13.231	41.315	.27056	1.8922	1.7755	.24862	.16118	22.679	.17206	9.4219
#1	.00140	.00099	.68425	3.4007	.13278	.83923	.02001	.00066	578.85	.00191
#2	.00116	.00054	.68163	3.4929	.12949	.83628	.01997	.00091	580.26	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03919**	**-.00131**	**.21462**	**.00192**	**-.00060**	**9.0422**	**19.350**	**-.00129**	**.55339**	**.00202**
Stddev	.00129	.00050	.00141	.00166	.00023	.0043	.009	.00033	.00025	.00175
%RSD	3.2984	38.135	.65818	86.637	39.288	.04790	.04790	25.599	.04595	86.392
#1	.04011	-.00166	.21562	.00074	-.00043	9.0392	19.344	-.00106	.55357	.00326
#2	.03828	-.00096	.21362	.00310	-.00076	9.0453	19.357	-.00153	.55321	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**.00008**	**-.01982**	**.00141**	**.00636**	**.00068**
Stddev	.00059	.00050	.01773	.00012	.00012	.00029
%RSD	8.9373	605.02	89.474	8.2490	1.9253	42.577
#1	.00697	-.00027	-.03235	.00132	.00627	.00088
#2	.00614	.00043	-.00728	.00149	.00644	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6652.9**	**74948.**	**6573.8**
Stddev	36.7	303.	82.6
%RSD	.55163	.40483	1.2559
#1	6678.8	74733.	6515.4
#2	6626.9	75163.	6632.2

Sample Name: 280-49105-c-4-a Acquired: 11/14/2013 22:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**8.7180**	**-.00061**	**.20835**	**.19941**	**.00032**	**-.00277**	**6.9564**	**.00019**	**.00095**
Stddev	.00025	.0763	.00034	.00086	.00021	.00003	.00077	.0407	.00022	.00013
%RSD	18.662	.87558	55.972	.41448	.10500	8.3656	27.646	.58531	114.27	13.845
#1	-.00115	8.6640	-.00037	.20896	.19926	.00034	-.00331	6.9276	.00004	.00104
#2	-.00150	8.7720	-.00085	.20774	.19956	.00031	-.00223	6.9852	.00034	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00783**	**.00778**	**6.8728**	**4.9723**	**.12455**	**2.7812**	**.09446**	**.00119**	W **576.99**	**.00452**
Stddev	.00010	.00002	.0035	.0639	.00091	.0142	.00030	.00011	3.27	.00042
%RSD	1.2588	.31336	.05055	1.2857	.73062	.50999	.31272	9.2258	.56651	9.3721
#1	.00790	.00777	6.8704	4.9271	.12390	2.7912	.09466	.00111	574.68	.00482
#2	.00776	.00780	6.8753	5.0175	.12519	2.7711	.09425	.00127	579.31	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26675**	**.00192**	**.29399**	**.00015**	**-.00097**	**22.487**	**48.122**	**-.00051**	**.36434**	**.00470**
Stddev	.00109	.00083	.00270	.00152	.00293	.000	.000	.00043	.00258	.00027
%RSD	.40703	43.067	.91677	1034.0	301.94	.00081	.00081	82.939	.70731	5.6739
#1	.26752	.00250	.29209	-.00093	-.00304	22.487	48.122	-.00082	.36252	.00451
#2	.26598	.00133	.29590	.00122	.00110	22.487	48.122	-.00021	.36616	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07456**	**.00054**	**-.01959**	**.01310**	**.02395**	**.00186**
Stddev	.00058	.00008	.00165	.00039	.00071	.00140
%RSD	.77261	15.184	8.4228	3.0091	2.9689	75.496
#1	.07415	.00048	-.02076	.01282	.02345	.00087
#2	.07497	.00060	-.01842	.01338	.02446	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6817.8**	**75406.**	**6656.4**
Stddev	24.9	107.	1.2
%RSD	.36521	.14238	.01814
#1	6800.2	75482.	6655.5
#2	6835.4	75330.	6657.2

Sample Name: 280-49105-c-5-a Acquired: 11/14/2013 23:00:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.02371**	**-.00203**	**.02356**	**.15239**	**.00009**	**.00131**	**215.14**	**.00072**	**.00002**
Stddev	.00084	.00018	.00104	.00052	.00076	.00006	.00061	2.27	.00011	.00011
%RSD	78.376	.75656	51.541	2.2194	.50179	66.452	46.582	1.0554	14.846	458.82
#1	-.00048	.02358	-.00276	.02319	.15185	.00013	.00088	213.53	.00079	.00010
#2	-.00167	.02384	-.00129	.02393	.15293	.00005	.00174	216.74	.00064	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00053**	**.11799**	**1.9736**	**.01172**	**53.919**	**.00440**	**.00131**	**82.340**	**.00102**
Stddev	.00004	.00037	.00024	.0147	.00100	.100	.00012	.00001	1.604	.00011
%RSD	49.849	70.931	.20677	.74292	8.5527	.18453	2.7687	.63640	1.9478	11.201
#1	.00005	-.00079	.11781	1.9633	.01243	53.849	.00432	.00132	81.206	.00110
#2	.00011	-.00026	.11816	1.9840	.01101	53.990	.00449	.00130	83.475	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02261**	**-.00138**	**7.7931**	**.00045**	**.00254**	**7.4330**	**15.907**	**-.00029**	**3.4536**	**.00393**
Stddev	.00120	.00000	.0194	.00244	.00123	.1194	.256	.00063	.0163	.00035
%RSD	5.3134	.27723	.24862	544.19	48.188	1.6068	1.6068	216.94	.47055	8.9538
#1	.02346	-.00138	7.7794	-.00128	.00341	7.3486	15.726	-.00073	3.4421	.00369
#2	.02176	-.00138	7.8068	.00217	.00168	7.5175	16.087	.00015	3.4651	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00027**	**-.04055**	**.00121**	**.00567**	**.00058**
Stddev	.00015	.00052	.00185	.00000	.00005	.00074
%RSD	1382.1	195.52	4.5507	.05132	.81573	127.15
#1	.00012	.00064	-.04186	.00121	.00571	.00006
#2	-.00010	-.00010	-.03925	.00121	.00564	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6650.1**	**75631.**	**6586.7**
Stddev	4.9	40.	22.5
%RSD	.07388	.05290	.34129
#1	6646.6	75602.	6602.6
#2	6653.5	75659.	6570.8

Sample Name: 280-49105-c-6-a Acquired: 11/14/2013 23:03:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.60167**	**-.00403**	**.02123**	**.14530**	**.00003**	**.00017**	**185.59**	**.00056**	**.00040**
Stddev	.00012	.00029	.00249	.00055	.00053	.00000	.00276	.42	.00001	.00008
%RSD	8.4136	.04875	61.650	2.6123	.36260	10.054	1607.4	.22546	1.0849	20.834
#1	-.00147	.60188	-.00227	.02084	.14493	.00003	-.00178	185.30	.00056	.00034
#2	-.00130	.60146	-.00579	.02162	.14567	.00003	.00212	185.89	.00055	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00070**	**1.0995**	**1.7768**	**.00797**	**48.643**	**.08688**	**.00199**	**84.683**	**.00114**
Stddev	.00013	.00018	.0123	.0326	.00249	.196	.00045	.00002	.179	.00014
%RSD	16.246	26.469	1.1169	1.8334	31.267	.40352	.52311	1.1570	.21114	12.332
#1	.00070	.00083	1.0908	1.7538	.00621	48.504	.08656	.00201	84.810	.00104
#2	.00089	.00057	1.1082	1.7998	.00973	48.782	.08720	.00197	84.557	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02962**	**-.00158**	**8.5674**	**.00115**	**.00229**	**7.9138**	**16.936**	**-.00041**	**3.1064**	**.00146**
Stddev	.00060	.00056	.0267	.00237	.00368	.0454	.097	.00011	.0075	.00176
%RSD	2.0313	35.346	.31166	206.92	160.67	.57348	.57348	27.443	.24272	120.26
#1	.03004	-.00119	8.5863	.00282	-.00031	7.8818	16.867	-.00033	3.1010	.00022
#2	.02919	-.00198	8.5485	-.00053	.00490	7.9459	17.004	-.00049	3.1117	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01757**	**.00140**	**-.01187**	**.00187**	**.00525**	**-.00183**
Stddev	.00036	.00021	.01241	.00034	.00028	.00022
%RSD	2.0754	15.011	104.54	18.217	5.3231	12.273
#1	.01731	.00155	-.02065	.00163	.00544	-.00198
#2	.01783	.00125	-.00310	.00211	.00505	-.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6733.2**	**76766.**	**6630.0**
Stddev	3.1	526.	15.7
%RSD	.04650	.68529	.23608
#1	6731.0	77138.	6641.1
#2	6735.4	76394.	6618.9

Sample Name: 280-49105-c-7-a Acquired: 11/14/2013 23:05:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.01683**	**-.00395**	**.01805**	**.08685**	**.00000**	**.00027**	**101.03**	**.00039**	**-.00020**
Stddev	.00038	.00029	.00181	.00022	.00005	.0000	.00163	.09	.00018	.00000
%RSD	39.480	1.7493	45.710	1.2253	.05978	2468.8	597.14	.08474	45.285	.17507
#1	-.00122	.01704	-.00268	.01789	.08689	-.00003	.00142	101.09	.00027	-.00020
#2	-.00069	.01662	-.00523	.01820	.08682	.00002	-.00088	100.97	.00052	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00029**	**.33569**	**1.1600**	**.00490**	**28.490**	**.08283**	**.00003**	**46.563**	**.00018**
Stddev	.00012	.00013	.00084	.0044	.00198	.178	.00055	.00003	.255	.00025
%RSD	248.04	45.197	.24975	.37735	40.346	.62368	.66401	88.123	.54744	139.85
#1	.00004	-.00020	.33628	1.1569	.00630	28.616	.08322	.00005	46.383	.00035
#2	-.00013	-.00038	.33510	1.1631	.00350	28.364	.08244	.00001	46.743	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02048**	**-.00074**	**21.411**	**.00047**	**.00106**	**5.8407**	**12.499**	**-.00025**	**1.8868**	**.00312**
Stddev	.00126	.00076	.043	.00236	.00319	.0006	.001	.00036	.0035	.00120
%RSD	6.1497	102.40	.20023	499.40	301.08	.01071	.01071	142.44	.18479	38.515
#1	.01959	-.00020	21.381	-.00120	.00332	5.8402	12.498	.00000	1.8844	.00397
#2	.02137	-.00128	21.441	.00214	-.00120	5.8411	12.500	-.00051	1.8893	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00185**	**-.04144**	**.00037**	**.00507**	**-.00077**
Stddev	.00023	.00044	.01532	.00012	.00004	.00136
%RSD	336.36	23.850	36.969	31.036	.71038	175.77
#1	-.00009	.00216	-.05227	.00029	.00504	-.00174
#2	.00023	.00153	-.03061	.00046	.00509	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6815.8**	**78427.**	**6659.4**
Stddev	1.2	354.	7.6
%RSD	.01714	.45137	.11468
#1	6816.6	78177.	6654.0
#2	6815.0	78677.	6664.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 23:07:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00647**	**48.300**	**-.00186**	**.00036**	**.00066**	**.00001**	**1.0437**	**.02670**	**.00072**	**-.00098**	**.00028**	**-.00636**	**50.464**
Stddev	.00079	.170	.00265	.00047	.00003	.00003	.0087	.00530	.00003	.00015	.00000	.00036	.059
%RSD	12.207	.35294	142.66	129.24	4.7780	271.47	.83104	19.844	3.4848	15.215	1.0519	5.5975	.11709
#1	-.00702	48.420	.00002	.00070	.00068	.00003	1.0498	.03044	.00074	-.00109	.00028	-.00661	50.422
#2	-.00591	48.179	-.00373	.00003	.00064	-.00001	1.0376	.02295	.00070	-.00088	.00028	-.00610	50.505
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21730**	**.00132**	**.05781**	**-.00009**	**.00039**	**248.59**	**-.00108**	**.00317**	**-.00158**	**4.9781**	**-.00017**	**-.00243**	**.00563**
Stddev	.02251	.00059	.00213	.00002	.00010	.51	.00038	.00076	.00143	.0155	.00159	.00100	.00612
%RSD	10.358	44.582	3.6822	18.873	25.343	.20670	34.880	23.828	90.718	.31151	948.08	40.886	108.61
#1	.20138	.00090	.05630	-.00010	.00032	248.96	-.00135	.00264	-.00259	4.9891	.00096	-.00314	.00131
#2	.23321	.00173	.05931	-.00008	.00046	248.23	-.00082	.00371	-.00057	4.9671	-.00130	-.00173	.00996
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01205**	**-.00043**	**.00024**	**5.0434**	**.01254**	**.00219**	F **8.1209**	**.00098**	**.00219**	**-.07367**
Stddev	.01309	.00042	.00009	.0003	.00000	.00034	.0443	.00032	.00003	.00096
%RSD	108.61	97.359	39.256	.00630	.01198	15.540	.54549	33.263	1.1672	1.2986
#1	.00280	-.00014	.00031	5.0432	.01254	.00243	8.1522	.00121	.00217	-.07299
#2	.02131	-.00073	.00017	5.0437	.01254	.00195	8.0896	.00075	.00220	-.07434
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.1**	**77250.**	**6615.2**
Stddev	17.6	502.	36.7
%RSD	.25557	.65006	.55447
#1	6859.6	77605.	6589.3
#2	6884.5	76894.	6641.2

Sample Name: CCV-2372889 Acquired: 11/14/2013 23:10:22 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53319**	**.53514**	**1.0326**	**.51944**	**.49927**	**.46754**	**-.00849**	**4.6330**	**.48231**	**.49781**	**.52698**	**.49907**	**2.5661**
Stddev	.00076	.00853	.0008	.00068	.00033	.00074	.00255	.0048	.00140	.00096	.00011	.00044	.0029
%RSD	.14316	1.5948	.08047	.13129	.06522	.15736	29.977	.10343	.29082	.19216	.02006	.08812	.11440
#1	.53373	.52910	1.0332	.51993	.49950	.46806	-.00669	4.6296	.48330	.49848	.52706	.49876	2.5640
#2	.53265	.54117	1.0320	.51896	.49904	.46702	-.01029	4.6364	.48132	.49713	.52691	.49938	2.5682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.608**	**.98273**	**20.232**	**.49143**	**.51993**	**5.2035**	**.53269**	**1.0347**	**.96220**	**.00361**	**1.0162**	**1.0574**	**5.0102**
Stddev	.151	.00409	.027	.00001	.00070	.0317	.00391	.0004	.00231	.00845	.0001	.0010	.0070
%RSD	.31740	.41623	.13379	.00167	.13473	.60893	.73441	.04103	.23976	234.12	.01048	.09393	.14012
#1	47.714	.98562	20.251	.49143	.52042	5.2259	.52992	1.0344	.96383	-.00237	1.0162	1.0567	5.0152
#2	47.501	.97983	20.213	.49144	.51943	5.1811	.53546	1.0350	.96057	.00958	1.0161	1.0581	5.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0289**	**.48801**	**.00353**	**.50022**	**.99970**	**-.01447**	**.47825**	**.50558**	**.48235**
Stddev	.015	.0039	.00080	.00020	.00041	.00256	.01446	.00032	.00178	.00097
%RSD	.14012	.37538	.16336	5.7165	.08168	.25651	99.927	.06605	.35172	.20099
#1	10.732	1.0316	.48858	.00339	.49993	1.0015	-.00425	.47803	.50684	.48304
#2	10.711	1.0261	.48745	.00367	.50051	.99789	-.02469	.47847	.50433	.48167
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7014.8**	**79365.**	**6587.9**
Stddev	14.0	206.	9.6
%RSD	.19928	.26004	.14598
#1	7004.9	79219.	6581.1
#2	7024.7	79511.	6594.7

Sample Name: CCB Acquired: 11/14/2013 23:12:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00018**	**.00090**	**.00086**	**.00003**	**.00005**	**.00246**	**-.00217**	**-.00001**	**.00009**	**-.00027**	**-.00089**	**-.00092**
Stddev	.00060	.00042	.00076	.00012	.00016	.00001	.00106	.00136	.00007	.00013	.00005	.00030	.00177
%RSD	88.021	230.90	84.096	13.541	555.30	11.378	43.143	62.389	473.94	136.38	16.947	33.779	192.15
#1	-.00111	.00048	.00036	.00078	-.00009	.00004	.00171	-.00121	.00003	.00018	-.00030	-.00110	-.00217
#2	-.00026	-.00012	.00143	.00095	.00014	.00005	.00321	-.00313	-.00006	.00000	-.00024	-.00068	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15971**	**.00114**	**.00302**	**-.00002**	**.00004**	F **.25126**	**-.00025**	**-.00071**	**.00020**	**.00148**	F **.00747**	**.00059**	**.00832**
Stddev	.02806	.00169	.00189	.00005	.00017	.00111	.00034	.00072	.00017	.00022	.00214	.00066	.01616
%RSD	17.568	148.74	62.593	218.16	417.19	.44047	137.19	101.86	86.478	14.872	28.681	111.36	194.30
#1	.13987	.00233	.00436	-.00006	.00016	.25204	-.00001	-.00020	.00033	.00163	.00595	.00013	.01975
#2	.17955	-.00006	.00168	.00001	-.00008	.25047	-.00049	-.00122	.00008	.00132	.00898	.00105	-.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.18320					.00628		
Low Limit						-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01780**	**-.00002**	**-.00005**	**.00081**	**.00002**	**.00060**	**-.00781**	**.00014**	**.00295**	**.00052**
Stddev	.03459	.00069	.00005	.00050	.00024	.00007	.03835	.00030	.00037	.00199
%RSD	194.30	3701.7	97.070	61.744	1201.8	12.526	490.97	204.45	12.693	383.47
#1	.04226	-.00051	-.00002	.00117	.00019	.00054	.01931	-.00006	.00322	-.00089
#2	-.00666	.00047	-.00009	.00046	-.00015	.00065	-.03493	.00035	.00269	.00193
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6943.4**	**78799.**	**6460.3**
Stddev	11.9	180.	47.0
%RSD	.17089	.22897	.72772
#1	6935.0	78927.	6427.1
#2	6951.8	78672.	6493.6

Sample Name: CCVL2379751 Acquired: 11/14/2013 23:14:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00971**	**.10929**	**.01574**	**.10304**	**.01019**	**.00092**	**.11524**	**.19114**	**.00482**	**.01021**	**.01059**	**.01413**	**.10369**
Stddev	.00041	.00009	.00122	.00033	.00016	.00001	.00107	.00039	.00005	.00030	.00007	.00029	.00075
%RSD	4.2589	.08358	7.7625	.31960	1.5795	1.1541	.93140	.20447	1.0324	2.9227	.62544	2.0506	.72009
#1	.01000	.10923	.01488	.10281	.01031	.00093	.11599	.19086	.00485	.01000	.01054	.01433	.10316
#2	.00942	.10936	.01661	.10327	.01008	.00092	.11448	.19142	.00478	.01042	.01063	.01392	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0038**	**.01015**	**.20972**	**.01000**	**.02011**	**1.2172**	**.04322**	**3.0189**	**.00801**	**.00243**	**.00963**	**.01570**	**.51193**
Stddev	.0120	.00071	.00239	.00003	.00059	.0120	.00016	.0137	.00106	.00179	.00042	.00053	.01449
%RSD	.39768	6.9683	1.1406	.34062	2.9472	.98309	.37809	.45270	13.224	73.449	4.4038	3.3729	2.8295
#1	2.9954	.00965	.21141	.01002	.01969	1.2087	.04310	3.0092	.00876	.00370	.00933	.01608	.50169
#2	3.0123	.01065	.20803	.00998	.02053	1.2256	.04333	3.0286	.00726	.00117	.00993	.01533	.52217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0955**	**.10471**	**.00973**	**.01501**	**.00982**	**.01680**	F **.11455**	**.00948**	**.02351**	**.01353**
Stddev	.0310	.00069	.00001	.00174	.00001	.00022	.00505	.00030	.00063	.00130
%RSD	2.8295	.66150	.12936	11.582	.06384	1.2932	4.4080	3.2001	2.6770	9.6305
#1	1.0736	.10520	.00973	.01378	.00982	.01664	.11098	.00926	.02306	.01445
#2	1.1175	.10422	.00974	.01624	.00983	.01695	.11812	.00969	.02395	.01260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7133.1**	**80744.**	**6531.9**
Stddev	6.0	403.	7.4
%RSD	.08465	.49971	.11286
#1	7128.8	80459.	6537.2
#2	7137.4	81029.	6526.7

Sample Name: mb 280-200660/1-a Acquired: 11/14/2013 23:17:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00094**	**.00273**	**-.00328**	**.00016**	**.00040**	**-.00004**	**.00148**	**.00658**	**-.00018**	**-.00001**
Stddev	.00013	.00004	.00081	.00024	.00000	.00002	.00049	.00471	.00011	.00004
%RSD	13.940	1.2906	24.705	152.30	.60415	41.846	33.310	71.588	62.420	281.31
#1	-.00085	.00275	-.00385	.00032	.00039	-.00003	.00113	.00325	-.00010	-.00004
#2	-.00103	.00270	-.00271	-.00001	.00040	-.00005	.00183	.00991	-.00025	.00001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00001**	**.00122**	**.15043**	**.00292**	**.00162**	**.00015**	**-.00008**	W **.21273**	**.00015**
Stddev	.00009	.00013	.00158	.01735	.00226	.00022	.00003	.00009	.00110	.00005
%RSD	183.58	1356.4	129.44	11.530	77.303	13.864	19.438	110.03	.51934	33.752
#1	-.00001	-.00010	.00010	.16270	.00133	.00178	.00017	-.00015	.21195	.00018
#2	.00011	.00008	.00233	.13817	.00452	.00146	.00013	-.00002	.21351	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.00039**	**.00424**	**.00154**	**-.00059**	**-.00029**	**-.00062**	**-.00021**	**-.00006**	W **.00387**
Stddev	.00041	.00110	.00057	.00257	.00233	.00248	.00532	.00078	.00012	.00129
%RSD	25.001	281.59	13.412	166.55	391.85	861.47	861.47	375.38	199.43	33.406
#1	.00133	-.00117	.00384	-.00027	-.00224	.00147	.00314	-.00076	.00002	.00295
#2	.00191	.00039	.00465	.00335	.00105	-.00205	-.00438	.00034	-.00014	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00020**	W **-.05826**	**.00023**	W **.00972**	**-.00008**
Stddev	.00022	.00013	.05611	.00012	.00063	.00106
%RSD	56.830	65.625	96.314	50.678	6.4746	1326.9
#1	-.00053	-.00011	-.01858	.00015	.01016	.00067
#2	-.00023	-.00029	-.09793	.00031	.00927	-.00083
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.05000		.00348	
Low Limit			-.05000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7068.0**	**80405.**	**6590.9**
Stddev	14.1	285.	23.8
%RSD	.19940	.35423	.36051
#1	7058.0	80204.	6607.7
#2	7077.9	80606.	6574.1

Sample Name: lcs 280-200660/2-a Acquired: 11/14/2013 23:19:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05139**	**2.0019**	**1.0448**	**1.0670**	**2.0342**	**.04785**	**2.1462**	**46.131**	**.09787**	**.49031**
Stddev	.00054	.0062	.0042	.0010	.0019	.00004	.0062	.056	.00001	.00082
%RSD	1.0578	.31000	.40560	.09477	.09341	.09305	.29093	.12168	.00879	.16705
#1	.05101	2.0062	1.0418	1.0677	2.0329	.04781	2.1506	46.091	.09788	.49089
#2	.05178	1.9975	1.0478	1.0663	2.0356	.04788	2.1418	46.170	.09787	.48973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21312**	**.25114**	**1.0339**	**49.129**	**1.0038**	**51.035**	**.48934**	**1.0534**	**51.710**	**.51969**
Stddev	.00025	.00143	.0027	.024	.0022	.112	.00099	.0021	.126	.00160
%RSD	.11783	.56989	.25967	.04862	.21417	.21895	.20246	.19632	.24454	.30833
#1	.21330	.25215	1.0358	49.112	1.0053	51.114	.49004	1.0549	51.799	.52082
#2	.21295	.25012	1.0320	49.146	1.0023	50.956	.48864	1.0520	51.620	.51856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.599**	**.46742**	**-.00592**	**.51464**	**2.1304**	**10.472**	**22.410**	**2.0588**	**.99288**	**1.0051**
Stddev	.003	.00057	.00136	.00216	.0125	.036	.078	.0132	.00009	.0030
%RSD	.02466	.12297	23.048	.42047	.58731	.34749	.34749	.64096	.00911	.30084
#1	10.597	.46702	-.00495	.51311	2.1216	10.446	22.355	2.0495	.99294	1.0073
#2	10.601	.46783	-.00688	.51617	2.1393	10.498	22.465	2.0682	.99281	1.0030
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0293**	**1.9321**	F **3.3093**	**.48827**	**.50196**	**.48875**
Stddev	.0016	.0100	.0172	.00053	.00166	.00682
%RSD	.15726	.51601	.52034	.10944	.33154	1.3944
#1	1.0304	1.9251	3.2971	.48789	.50314	.48393
#2	1.0281	1.9392	3.3215	.48865	.50078	.49357
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.9**	**78060.**	**6614.1**
Stddev	4.6	253.	2.7
%RSD	.06750	.32384	.04029
#1	6876.6	77881.	6612.2
#2	6883.2	78238.	6615.9

Sample Name: 280-49105-c-1-f Acquired: 11/14/2013 23:21:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.00900**	**-.00203**	**.23437**	**.58937**	**-.00002**	**.00111**	**2.5444**	**-.00023**	**-.00068**
Stddev	.00034	.00018	.00113	.00012	.00158	.00005	.00034	.0098	.00002	.00012
%RSD	37.584	2.0345	55.534	.05267	.26740	255.03	30.840	.38648	9.4829	17.219
#1	-.00115	.00887	-.00123	.23446	.58826	-.00005	.00086	2.5374	-.00025	-.00060
#2	-.00067	.00913	-.00283	.23429	.59049	.00001	.00135	2.5513	-.00022	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00030**	**.51416**	**3.3006**	**.13194**	**.60563**	**.00987**	**.00125**	W **560.22**	**.00083**
Stddev	.00007	.00090	.00616	.0855	.00013	.00595	.00000	.00042	.62	.00006
%RSD	50.854	302.02	1.1973	2.5892	.09748	.98170	.05003	33.509	.10994	7.5650
#1	.00018	-.00093	.50981	3.2402	.13203	.60142	.00987	.00096	560.66	.00079
#2	.00008	.00034	.51852	3.3611	.13185	.60983	.00988	.00155	559.79	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04100**	**-.00179**	**.16347**	**.00160**	**-.00091**	**9.6845**	**20.725**	**-.00018**	**.51171**	**.00398**
Stddev	.00023	.00020	.00140	.00134	.00083	.0934	.200	.00057	.00112	.00112
%RSD	.56429	11.281	.85703	83.612	90.613	.96388	.96388	311.52	.21966	28.131
#1	.04083	-.00165	.16247	.00255	-.00150	9.6185	20.584	-.00059	.51092	.00319
#2	.04116	-.00193	.16446	.00065	-.00033	9.7505	20.866	.00022	.51250	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00142**	**-.04696**	**.00024**	**.00438**	**-.00138**
Stddev	.00048	.00175	.02983	.00027	.00009	.00026
%RSD	893.41	123.12	63.515	112.21	1.9730	18.624
#1	-.00039	.00266	-.06805	.00005	.00431	-.00120
#2	.00028	.00018	-.02587	.00043	.00444	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6673.0**	**74746.**	**6575.5**
Stddev	3.0	373.	80.0
%RSD	.04477	.49848	1.2164
#1	6675.1	74483.	6632.1
#2	6670.9	75010.	6519.0

Sample Name: 280-49105-c-1-fSD@5 Acquired: 11/14/2013 23:24:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00810**	**.00001**	**.04816**	**.11961**	**.00002**	**.00164**	**.50660**	**-.00002**	**-.00038**
Stddev	.00006	.00003	.00022	.00086	.00011	.00004	.00067	.00003	.00009	.00010
%RSD	6.3526	.43039	1492.5	1.7927	.08902	171.06	40.896	.00606	500.09	25.418
#1	-.00094	.00813	-.00014	.04877	.11953	.00000	.00212	.50663	-.00009	-.00031
#2	-.00086	.00808	.00017	.04755	.11968	.00005	.00117	.50658	.00005	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00033**	**.11060**	**.74645**	**.02518**	**.12567**	**.00210**	**.00002**	**111.54**	**.00023**
Stddev	.00011	.00069	.00024	.00620	.00188	.00008	.00001	.00007	.13	.00012
%RSD	96.223	210.31	.21446	.83079	7.4658	.06607	.31305	388.17	.11740	50.378
#1	.00004	-.00082	.11043	.74207	.02651	.12573	.00211	-.00003	111.44	.00015
#2	.00019	.00016	.11077	.75084	.02385	.12561	.00210	.00007	111.63	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**-.00052**	**.03527**	**.00058**	**-.00273**	**1.9132**	**4.0942**	**.00111**	**.10293**	**.00286**
Stddev	.00020	.00078	.00191	.00025	.00119	.0130	.0278	.00004	.00134	.00114
%RSD	2.6392	150.74	5.4237	42.392	43.655	.68006	.68006	3.4714	1.3031	39.920
#1	.00753	-.00107	.03662	.00041	-.00358	1.9040	4.0745	.00108	.10198	.00205
#2	.00781	.00003	.03392	.00076	-.00189	1.9224	4.1139	.00114	.10388	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00107**	**-.02129**	**.00048**	**.00538**	**-.00057**
Stddev	.00017	.00050	.03253	.00003	.00005	.00090
%RSD	238.45	46.923	152.82	6.7943	.89337	157.22
#1	.00005	.00142	.00171	.00050	.00534	.00006
#2	-.00019	.00071	-.04429	.00045	.00541	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6918.6**	**78301.**	**6609.0**
Stddev	13.7	186.	37.3
%RSD	.19821	.23788	.56493
#1	6908.9	78169.	6635.4
#2	6928.3	78432.	6582.6

Sample Name: 280-49105-c-1-g ms Acquired: 11/14/2013 23:26:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05398**	**1.9590**	**1.0910**	**1.3082**	**2.6471**	**.04810**	F **2.1643**	**48.620**	**.10066**	**.48712**
Stddev	.00026	.0058	.0008	.0017	.0030	.00024	.0020	.021	.00014	.00134
%RSD	.47285	.29809	.07445	.12687	.11399	.49677	.09187	.04286	.14099	.27539
#1	.05416	1.9631	1.0904	1.3070	2.6450	.04794	2.1657	48.605	.10076	.48807
#2	.05380	1.9549	1.0915	1.3094	2.6493	.04827	2.1629	48.635	.10056	.48617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21427**	**.25592**	**1.5516**	**55.108**	**1.1680**	**50.407**	**.50336**	**1.0672**	W **619.27**	**.52005**
Stddev	.00030	.00109	.0069	.199	.0055	.008	.00039	.0014	1.92	.00002
%RSD	.13921	.42612	.44210	.36087	.46998	.01530	.07659	.13188	.31078	.00292
#1	.21406	.25515	1.5467	54.968	1.1642	50.412	.50309	1.0682	617.90	.52004
#2	.21448	.25669	1.5564	55.249	1.1719	50.402	.50363	1.0662	620.63	.52006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.102**	**.45348**	**.14207**	**.53070**	**2.2107**	**20.383**	**43.620**	W **2.0620**	**1.5195**	**1.0248**
Stddev	.004	.00254	.00334	.00164	.0052	.189	.404	.0051	.0033	.0061
%RSD	.03748	.56094	2.3537	.30846	.23552	.92702	.92702	.24653	.21810	.59324
#1	11.100	.45528	.13970	.52954	2.2071	20.249	43.334	2.0584	1.5172	1.0205
#2	11.105	.45168	.14443	.53186	2.2144	20.517	43.906	2.0656	1.5219	1.0291
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0487**	**1.7935**	**3.2644**	**.49506**	**.51507**	**.49135**
Stddev	.0001	.0004	.0613	.00002	.00023	.00208
%RSD	.01256	.02525	1.8767	.00468	.04488	.42413
#1	1.0488	1.7938	3.3077	.49505	.51491	.48988
#2	1.0486	1.7932	3.2211	.49508	.51524	.49282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6667.8**	**74506.**	**6730.6**
Stddev	18.2	210.	29.3
%RSD	.27367	.28121	.43473
#1	6654.9	74358.	6709.9
#2	6680.7	74654.	6751.3

Sample Name: 280-49105-c-1-h msd Acquired: 11/14/2013 23:28:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05159**	**1.8948**	**1.0431**	**1.2498**	**2.5336**	**.04598**	F **2.0635**	**46.594**	**.09573**	**.46663**
Stddev	.00013	.0074	.0001	.0005	.0043	.00000	.0017	.031	.00030	.00028
%RSD	.25311	.38914	.00846	.04024	.17030	.00880	.08042	.06695	.31412	.05964
#1	.05150	1.9000	1.0430	1.2502	2.5306	.04598	2.0647	46.616	.09551	.46683
#2	.05168	1.8896	1.0431	1.2495	2.5367	.04598	2.0624	46.572	.09594	.46643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20516**	**.24469**	**1.4911**	**52.974**	**1.1225**	**48.453**	**.48161**	**1.0214**	W **596.22**	**.49978**
Stddev	.00080	.00004	.0031	.193	.0014	.029	.00017	.0020	.83	.00142
%RSD	.39091	.01549	.20980	.36384	.12356	.06018	.03532	.19597	.13963	.28451
#1	.20573	.24467	1.4933	52.838	1.1215	48.474	.48173	1.0228	595.63	.50079
#2	.20460	.24472	1.4889	53.110	1.1234	48.433	.48149	1.0200	596.81	.49878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.614**	**.43519**	**.13625**	**.50378**	**2.0993**	**19.485**	**41.698**	**1.9741**	**1.4554**	**.98032**
Stddev	.010	.00060	.00115	.00456	.0009	.052	.110	.0062	.0007	.00053
%RSD	.09464	.13780	.84685	.90500	.04417	.26437	.26437	.31441	.04630	.05412
#1	10.621	.43476	.13707	.50701	2.0986	19.521	41.776	1.9785	1.4549	.98070
#2	10.607	.43561	.13543	.50056	2.0999	19.448	41.620	1.9698	1.4558	.97995
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0018**	**1.7302**	**3.1433**	**.47621**	**.50005**	**.46507**
Stddev	.0005	.0076	.0183	.00179	.00004	.00354
%RSD	.04641	.43669	.58175	.37543	.00723	.76021
#1	1.0015	1.7355	3.1562	.47495	.50008	.46757
#2	1.0022	1.7248	3.1303	.47748	.50003	.46257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6527.4**	**73469.**	**6556.4**
Stddev	6.7	5.	14.7
%RSD	.10274	.00710	.22431
#1	6522.6	73466.	6566.8
#2	6532.1	73473.	6546.0

Sample Name: 280-49105-c-2-d Acquired: 11/14/2013 23:30:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.01293**	**-.00230**	**.23404**	**.48515**	**.00001**	**.00065**	**3.4428**	**-.00011**	**-.00044**
Stddev	.00025	.00003	.00074	.00001	.00121	.00004	.00082	.0401	.00000	.00012
%RSD	17.297	.19352	32.126	.00420	.24843	669.80	126.29	1.1656	.69465	28.212
#1	-.00126	.01292	-.00178	.23405	.48600	.00004	.00007	3.4712	-.00011	-.00053
#2	-.00161	.01295	-.00283	.23404	.48430	-.00002	.00124	3.4144	-.00011	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00016**	**.17116**	**3.5530**	**.13578**	**.82388**	**.00667**	**.00131**	W **588.24**	**.00041**
Stddev	.00004	.00034	.00226	.0076	.00210	.00151	.00007	.00012	.80	.00038
%RSD	18.424	204.54	1.3229	.21407	1.5435	.18286	.99652	9.0289	.13541	92.972
#1	.00021	.00040	.17276	3.5476	.13726	.82282	.00672	.00140	587.67	.00014
#2	.00027	-.00007	.16956	3.5584	.13430	.82495	.00662	.00123	588.80	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01755**	**-.00055**	**.20768**	**-.00123**	**.00034**	**8.4718**	**18.130**	**-.00051**	**.54922**	**.00290**
Stddev	.00006	.00149	.00277	.00156	.00123	.1431	.306	.00048	.00057	.00074
%RSD	.34535	271.39	1.3332	127.07	362.01	1.6887	1.6887	94.445	.10344	25.385
#1	.01759	-.00161	.20572	-.00234	-.00053	8.5730	18.346	-.00085	.54882	.00238
#2	.01750	.00051	.20964	-.00012	.00121	8.3707	17.913	-.00017	.54963	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00148**	**-.02971**	**.00066**	**.00776**	**-.00063**
Stddev	.00017	.00106	.02870	.00021	.00027	.00011
%RSD	24.247	71.516	96.608	31.693	3.5007	18.058
#1	.00057	.00222	-.05000	.00051	.00756	-.00055
#2	.00081	.00073	-.00941	.00081	.00795	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6639.4**	**74350.**	**6567.1**
Stddev	11.7	214.	44.8
%RSD	.17564	.28758	.68281
#1	6631.1	74199.	6535.4
#2	6647.6	74501.	6598.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 23:33:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00714**	**48.648**	**-.00200**	**.00292**	**.00056**	**.00000**	W **1.0680**	**.02235**	**.00072**	**-.00100**	**.00026**	**-.00672**
Stddev	.00020	.172	.00052	.00107	.00003	.00005	.0055	.00176	.00007	.00036	.00001	.00006
%RSD	2.7910	.35377	26.212	36.585	5.3536	1126.2	.51594	7.8893	9.9323	36.329	5.2466	.93570
#1	-.00700	48.770	-.00237	.00216	.00054	.00004	1.0719	.02111	.00077	-.00126	.00027	-.00676
#2	-.00728	48.526	-.00163	.00368	.00058	-.00003	1.0641	.02360	.00067	-.00074	.00025	-.00667
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.925**	**.34093**	**.00220**	**.05661**	**-.00019**	**.00030**	**251.19**	**-.00091**	**.00436**	**-.00246**	**5.0773**	**.00150**
Stddev	.005	.04425	.00069	.00443	.00004	.00003	.46	.00037	.00113	.00099	.0221	.00060
%RSD	.00927	12.979	31.450	7.8225	19.018	10.177	.18128	40.251	25.903	40.144	.43563	40.137
#1	50.922	.37222	.00269	.05974	-.00017	.00032	251.51	-.00065	.00356	-.00176	5.0930	.00193
#2	50.929	.30964	.00171	.05348	-.00022	.00028	250.87	-.00117	.00516	-.00316	5.0617	.00107
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00652**	**.02973**	**.06362**	**-.00004**	**.00003**	**5.0486**	**.01278**	**.00294**	F **8.1173**	**.00088**	**.00257**	**-.07481**
Stddev	.00586	.00803	.01719	.00034	.00003	.0272	.00029	.00009	.0198	.00017	.00031	.00155
%RSD	89.902	27.019	27.019	885.64	98.093	.53960	2.3081	2.9573	.24361	19.461	11.916	2.0705
#1	-.01066	.03541	.07577	-.00028	.00006	5.0679	.01257	.00288	8.1313	.00100	.00235	-.07372
#2	-.00237	.02405	.05146	.00020	.00001	5.0293	.01299	.00300	8.1033	.00076	.00278	-.07591
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.2**	**77116.**	**6573.5**
Stddev	16.3	250.	16.8
%RSD	.23729	.32474	.25496
#1	6860.7	76939.	6585.4
#2	6883.7	77293.	6561.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 23:35:43 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54021**	**.52938**	**1.0442**	**.52566**	**.50434**	**.47220**	**-.00867**	**4.6569**	**.48496**	**.50079**	**.53235**	**.50377**	**2.6156**
Stddev	.00017	.00085	.0037	.00199	.00121	.00061	.00170	.0573	.00076	.00052	.00007	.00099	.0051
%RSD	.03226	.16089	.35496	.37833	.24019	.12933	19.547	1.2309	.15671	.10373	.01260	.19583	.19536
#1	.54008	.52998	1.0469	.52425	.50348	.47177	-.00987	4.6163	.48443	.50116	.53240	.50446	2.6192
#2	.54033	.52877	1.0416	.52706	.50520	.47263	-.00747	4.6974	.48550	.50042	.53230	.50307	2.6119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.810**	**.98470**	**20.315**	**.49326**	**.52467**	**5.4155**	**.53910**	**1.0427**	**.96349**	**-.00242**	**1.0261**	**1.0654**	**5.1183**
Stddev	.067	.00081	.095	.00122	.00024	.0496	.00492	.0031	.00030	.00068	.0022	.0027	.0249
%RSD	.13910	.08186	.46550	.24738	.04642	.91517	.91277	.30128	.03154	28.305	.21079	.25300	.48577
#1	47.857	.98527	20.248	.49239	.52450	5.4505	.53562	1.0450	.96371	-.00290	1.0246	1.0635	5.1007
#2	47.763	.98413	20.382	.49412	.52484	5.3804	.54258	1.0405	.96328	-.00194	1.0276	1.0673	5.1359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.953**	**1.0390**	**.49142**	**.00306**	**.50471**	**1.0043**	**.01358**	**.48035**	**.50391**	**.49041**
Stddev	.053	.0028	.00021	.00133	.00056	.0019	.00919	.00051	.00190	.00375
%RSD	.48577	.26740	.04183	43.517	.11169	.19193	67.701	.10696	.37618	.76491
#1	10.916	1.0410	.49156	.00400	.50511	1.0029	.00708	.47998	.50257	.48775
#2	10.991	1.0370	.49127	.00212	.50431	1.0056	.02008	.48071	.50525	.49306
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.3**	**79823.**	**6683.9**
Stddev	17.8	319.	29.6
%RSD	.25251	.39920	.44359
#1	7020.8	80048.	6663.0
#2	7045.9	79598.	6704.9

Sample Name: CCB Acquired: 11/14/2013 23:37:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00153**	**.00030**	**-.00148**	**.00334**	**.00050**	**.00008**	**.00169**	**.00102**	**-.00027**	**-.00023**	**-.00002**
Stddev	.00044	.00069	.00387	.00003	.00009	.00007	.00020	.00095	.00013	.00003	.00001
%RSD	28.993	229.03	261.61	.87323	18.893	83.359	11.798	93.018	48.691	14.863	52.736
#1	-.00184	-.00019	.00126	.00332	.00056	.00012	.00155	.00169	-.00018	-.00020	-.00003
#2	-.00121	.00079	-.00421	.00336	.00043	.00003	.00183	.00035	-.00037	-.00025	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**-.00208**	**.17996**	W **.00403**	**.00315**	**.00002**	**.00047**	F **.35990**	**-.00024**	**.00068**	**.00041**
Stddev	.00066	.00135	.00474	.00046	.00019	.00005	.00019	.01386	.00065	.00012	.00018
%RSD	88.893	64.834	2.6335	11.300	5.9372	209.48	40.169	3.8500	267.95	17.957	44.694
#1	-.00122	-.00113	.17661	.00371	.00302	-.00001	.00060	.35010	-.00070	.00059	.00028
#2	-.00028	-.00303	.18331	.00435	.00328	.00006	.00034	.36970	.00022	.00076	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	W **.00585**	**-.00026**	**.00517**	**.01107**	**-.00104**	**-.00006**	**.00219**	**-.00011**	**.00081**	**-.03032**
Stddev	.00159	.00121	.00179	.00261	.00559	.00024	.00009	.00166	.00002	.00141	.04070
%RSD	103.53	20.712	699.18	50.525	50.525	22.909	150.93	75.490	18.417	173.82	134.22
#1	.00265	.00671	.00101	.00702	.01503	-.00121	.00000	.00102	-.00009	-.00019	-.00154
#2	.00041	.00500	-.00152	.00333	.00712	-.00087	-.00013	.00336	-.00012	.00181	-.05910
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00037**	**.00347**	**-.00168**
Stddev	.00045	.00047	.00051
%RSD	120.91	13.611	30.227
#1	-.00069	.00314	-.00132
#2	-.00005	.00380	-.00204
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7050.4**	**80533.**	**6669.4**
Stddev	4.6	62.	47.3
%RSD	.06585	.07637	.70906
#1	7053.7	80490.	6636.0
#2	7047.1	80577.	6702.9

Sample Name: CCVL2379751 Acquired: 11/14/2013 23:40:12 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00956**	F **.13495**	**.01481**	**.10625**	**.01040**	**.00098**	**.11693**	**.19541**	**.00484**	**.01059**	**.01096**	**.01384**	**.10641**
Stddev	.00003	.02057	.00156	.00058	.00007	.00006	.00152	.00123	.00021	.00053	.00032	.00052	.00164
%RSD	.28091	15.246	10.530	.55012	.68376	6.3308	1.3000	.62818	4.3168	4.9939	2.9039	3.7365	1.5443
#1	.00957	.14950	.01371	.10666	.01035	.00102	.11801	.19627	.00498	.01096	.01119	.01420	.10757
#2	.00954	.12041	.01592	.10583	.01045	.00094	.11586	.19454	.00469	.01021	.01073	.01347	.10525
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000											
Range		30.000%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9627**	**.01281**	**.21667**	**.01016**	**.02100**	F **1.3622**	**.04415**	**3.0628**	**.00842**	**.01005**	**.01141**	**.01834**	**.49958**
Stddev	.0233	.00122	.00017	.00009	.00091	.0149	.00020	.0038	.00107	.00849	.00069	.00142	.00008
%RSD	.78528	9.5451	.07684	.89102	4.3392	1.0962	.44401	.12378	12.702	84.445	6.0482	7.7635	.01592
#1	2.9792	.01194	.21678	.01010	.02165	1.3728	.04401	3.0601	.00917	.01605	.01190	.01935	.49963
#2	2.9462	.01367	.21655	.01023	.02036	1.3517	.04429	3.0655	.00766	.00405	.01093	.01733	.49952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0691**	**.10751**	**.00978**	**.01868**	**.01018**	**.01757**	**.07409**	**.00994**	**.02502**	**.01310**
Stddev	.0002	.00053	.00005	.00087	.00009	.00050	.01423	.00045	.00015	.00063
%RSD	.01592	.49675	.54776	4.6707	.85457	2.8191	19.205	4.5191	.61465	4.8273
#1	1.0692	.10789	.00982	.01930	.01024	.01722	.06403	.01026	.02491	.01354
#2	1.0690	.10713	.00974	.01807	.01011	.01792	.08415	.00962	.02513	.01265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7170.9**	**81439.**	**6840.9**
Stddev	22.5	408.	10.9
%RSD	.31422	.50108	.15921
#1	7186.8	81151.	6833.2
#2	7154.9	81728.	6848.6

Sample Name: 280-49105-c-3-d Acquired: 11/14/2013 23:42:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.01378**	**-.00137**	**.23538**	**.49765**	**.00004**	**-.00033**	**3.4666**	**-.00008**	**-.00059**
Stddev	.00033	.00002	.00096	.00078	.00159	.00005	.00255	.0429	.00009	.00004
%RSD	23.018	.16479	70.116	.33176	.31953	150.25	766.75	1.2378	120.62	6.1824
#1	-.00165	.01376	-.00069	.23593	.49877	.00000	.00147	3.4969	-.00001	-.00062
#2	-.00119	.01379	-.00205	.23483	.49653	.00007	-.00214	3.4362	-.00014	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00065**	**.16804**	**3.3465**	**.13678**	**.82531**	**.00685**	**.00086**	W **599.99**	**.00061**
Stddev	.00015	.00024	.00346	.0165	.00295	.00189	.00009	.00005	.94	.00033
%RSD	64.701	37.072	2.0577	.49335	2.1531	.22886	1.3617	6.1860	.15669	53.860
#1	.00034	.00082	.17048	3.3348	.13887	.82398	.00678	.00090	600.66	.00038
#2	.00013	.00048	.16559	3.3581	.13470	.82665	.00691	.00082	599.33	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02008**	**-.00085**	**.19690**	**-.00016**	**-.00117**	**8.6693**	**18.552**	**-.00053**	**.56225**	**.00289**
Stddev	.00219	.00076	.00212	.00065	.00187	.1238	.265	.00011	.00064	.00073
%RSD	10.910	88.867	1.0771	399.95	159.31	1.4282	1.4282	21.332	.11335	25.203
#1	.02162	-.00032	.19540	-.00062	-.00249	8.7569	18.740	-.00061	.56270	.00340
#2	.01853	-.00139	.19840	.00030	.00015	8.5817	18.365	-.00045	.56180	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00156**	**-.02965**	**.00042**	**.00551**	**-.00062**
Stddev	.00035	.00017	.05743	.00039	.00035	.00037
%RSD	94.717	10.989	193.73	93.475	6.2763	59.405
#1	.00062	.00169	-.07026	.00014	.00527	-.00089
#2	.00012	.00144	.01097	.00070	.00576	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6580.1**	**73703.**	**6600.7**
Stddev	6.4	21.	109.3
%RSD	.09777	.02884	1.6564
#1	6575.6	73688.	6523.3
#2	6584.7	73719.	6678.0

Sample Name: 280-49105-c-4-d Acquired: 11/14/2013 23:45:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.03495**	**-.00115**	**.21554**	**.10810**	**-.00004**	**.00344**	**6.4682**	**-.00018**	**-.00028**
Stddev	.00025	.00018	.00209	.00225	.00016	.00003	.00234	.0156	.00008	.00004
%RSD	22.836	.51339	181.35	1.0459	.14978	74.930	68.140	.24162	44.583	13.238
#1	-.00128	.03482	.00033	.21713	.10798	-.00005	.00178	6.4792	-.00012	-.00030
#2	-.00092	.03508	-.00263	.21394	.10821	-.00002	.00510	6.4571	-.00023	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00194**	**.05977**	**3.5656**	**.12250**	**1.8257**	**.00164**	**.00108**	W **587.16**	**.00084**
Stddev	.00000	.00001	.00647	.1050	.00094	.0066	.00004	.00006	2.03	.00002
%RSD	.43453	.73777	10.829	2.9459	.76981	.36356	2.4452	5.6605	.34582	2.3404
#1	.00035	.00195	.05520	3.4913	.12184	1.8211	.00161	.00112	588.59	.00086
#2	.00035	.00193	.06435	3.6398	.12317	1.8304	.00167	.00103	585.72	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10665**	**-.00078**	**.23937**	**.00079**	**.00358**	**6.9757**	**14.928**	**-.00093**	**.32133**	**.00224**
Stddev	.00066	.00010	.00017	.00076	.00399	.0512	.110	.00001	.00129	.00039
%RSD	.61610	13.486	.07047	95.760	111.54	.73350	.73350	1.3424	.40026	17.641
#1	.10618	-.00070	.23926	.00026	.00640	6.9395	14.851	-.00092	.32224	.00196
#2	.10711	-.00085	.23949	.00133	.00076	7.0119	15.005	-.00094	.32042	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00128**	**-.02371**	**.00227**	**.00546**	**.00023**
Stddev	.00027	.00001	.03171	.00010	.00073	.00044
%RSD	33.564	.56397	133.75	4.2124	13.423	188.57
#1	.00061	.00127	-.00129	.00234	.00494	-.00008
#2	.00099	.00128	-.04613	.00220	.00598	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6582.6**	**73338.**	**6558.5**
Stddev	2.9	320.	16.5
%RSD	.04425	.43674	.25184
#1	6584.7	73564.	6570.2
#2	6580.5	73111.	6546.9

Sample Name: 280-49105-c-5-d Acquired: 11/14/2013 23:47:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.00244**	**-.00011**	**.02204**	**.14360**	**.00001**	**.00131**	**201.50**	**.00068**	**.00015**
Stddev	.00032	.00011	.00351	.00111	.00186	.00001	.00204	.35	.00009	.00000
%RSD	19.191	4.4105	3240.5	5.0266	1.2931	216.01	155.98	.17472	13.669	.44885
#1	-.00188	.00237	-.00259	.02282	.14229	.00000	-.00013	201.75	.00075	.00015
#2	-.00143	.00252	.00237	.02126	.14491	.00001	.00275	201.25	.00062	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00043**	**.09237**	**1.8989**	**.00965**	**50.901**	**.00446**	**.00092**	**77.878**	**.00073**
Stddev	.00004	.00003	.00203	.0474	.00019	.017	.00005	.00001	.935	.00031
%RSD	21.742	6.8278	2.1936	2.4959	1.9406	.03406	1.0561	.95703	1.2009	42.269
#1	.00023	-.00045	.09380	1.8654	.00978	50.913	.00449	.00093	77.217	.00051
#2	.00017	-.00041	.09093	1.9324	.00952	50.888	.00442	.00091	78.540	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01943**	**-.00114**	**7.3800**	**-.00005**	**.00115**	**6.9781**	**14.933**	**-.00065**	**3.2315**	**.00342**
Stddev	.00033	.00049	.0299	.00042	.00110	.0351	.075	.00003	.0065	.00200
%RSD	1.7226	42.692	.40542	780.73	96.129	.50347	.50347	4.8312	.20013	58.478
#1	.01966	-.00149	7.4012	.00024	.00193	6.9533	14.880	-.00067	3.2361	.00484
#2	.01919	-.00080	7.3589	-.00035	.00037	7.0030	14.986	-.00063	3.2269	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00126**	**-.04988**	**.00105**	**.00388**	**.00018**
Stddev	.00029	.00046	.06594	.00033	.00048	.00004
%RSD	54.324	36.676	132.20	31.049	12.476	21.693
#1	-.00033	.00159	-.09651	.00082	.00422	.00021
#2	-.00075	.00094	-.00325	.00128	.00354	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6636.2**	**74977.**	**6465.1**
Stddev	13.9	108.	3.4
%RSD	.20918	.14435	.05269
#1	6626.4	75054.	6462.7
#2	6646.0	74901.	6467.6

Sample Name: 280-49105-c-6-d Acquired: 11/14/2013 23:49:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00342**	**-.00099**	**.02109**	**.13526**	**.00009**	**.00256**	**178.37**	**.00073**	**.00025**
Stddev	.00062	.00090	.00164	.00020	.00028	.00002	.00268	.10	.00001	.00027
%RSD	71.329	26.297	164.99	.94388	.20694	26.091	104.79	.05845	1.3324	106.39
#1	-.00043	.00279	-.00215	.02095	.13506	.00011	.00446	178.45	.00073	.00006
#2	-.00130	.00406	.00017	.02124	.13546	.00007	.00066	178.30	.00074	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00031**	**.34057**	**1.5654**	**.00635**	**47.239**	**.07856**	**.00167**	**81.978**	**.00070**
Stddev	.00005	.00055	.00455	.0166	.00048	.002	.00034	.00024	.282	.00005
%RSD	38.485	175.84	1.3358	1.0591	7.5102	.00370	.42692	14.543	.34412	6.8567
#1	.00018	.00070	.34379	1.5771	.00668	47.238	.07879	.00184	81.779	.00074
#2	.00010	-.00008	.33736	1.5537	.00601	47.241	.07832	.00150	82.178	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**-.00089**	**8.4644**	**-.00076**	**-.00018**	**6.6750**	**14.285**	**-.00122**	**2.9963**	**.00439**
Stddev	.00266	.00037	.0149	.00240	.00029	.0464	.099	.00033	.0082	.00152
%RSD	28.622	41.834	.17543	316.41	163.34	.69465	.69465	26.883	.27308	34.586
#1	.00741	-.00062	8.4539	.00094	.00003	6.7078	14.355	-.00099	2.9905	.00332
#2	.01117	-.00115	8.4749	-.00246	-.00039	6.6422	14.214	-.00145	3.0021	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00057**	**-.02074**	**.00103**	**.01176**	**.00043**
Stddev	.00019	.00079	.00954	.00062	.00009	.00054
%RSD	57.368	137.32	45.972	60.161	.75942	124.41
#1	-.00047	.00002	-.02749	.00147	.01170	.00081
#2	-.00020	.00113	-.01400	.00059	.01182	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6716.6**	**76506.**	**6573.2**
Stddev	43.1	202.	71.2
%RSD	.64104	.26399	1.0827
#1	6747.0	76364.	6522.8
#2	6686.1	76649.	6623.5

Sample Name: 280-49105-c-7-d Acquired: 11/14/2013 23:52:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00237**	**-.00059**	**.01943**	**.09030**	**.00001**	**.00261**	**106.99**	**.00048**	**-.00023**
Stddev	.00011	.00003	.00145	.00018	.00070	.00011	.00095	.32	.00010	.00007
%RSD	18.192	1.3977	246.59	.90729	.77453	1617.7	36.264	.30319	21.619	31.204
#1	-.00068	.00234	.00044	.01931	.08980	-.00007	.00194	106.76	.00041	-.00028
#2	-.00052	.00239	-.00162	.01955	.09079	.00008	.00328	107.22	.00056	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00042**	**.03544**	**1.3433**	**.00685**	**30.569**	**.04571**	**-.00001**	**48.994**	**.00025**
Stddev	.00006	.00007	.00329	.0021	.00196	.010	.00004	.00004	.934	.00050
%RSD	35.392	15.571	9.2756	.15464	28.632	.03132	.08770	275.85	1.9061	197.81
#1	.00020	.00047	.03312	1.3418	.00546	30.576	.04574	.00001	48.333	-.00010
#2	.00012	.00037	.03777	1.3447	.00824	30.562	.04568	-.00004	49.654	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00798**	**-.00110**	**22.674**	**.00188**	**-.00067**	**6.1216**	**13.100**	**-.00061**	**2.0050**	**.00177**
Stddev	.00153	.00101	.006	.00060	.00001	.0221	.047	.00074	.0046	.00128
%RSD	19.231	91.462	.02483	31.879	.94797	.36124	.36124	122.48	.22780	72.564
#1	.00906	-.00039	22.670	.00146	-.00067	6.1059	13.067	-.00113	2.0017	.00086
#2	.00689	-.00181	22.678	.00231	-.00066	6.1372	13.134	-.00008	2.0082	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00124**	**-.03190**	**.00015**	**.00522**	**-.00020**
Stddev	.00014	.00049	.01428	.00003	.00026	.00052
%RSD	46.398	39.225	44.772	18.397	4.9240	262.89
#1	-.00020	.00158	-.04200	.00017	.00504	-.00056
#2	-.00039	.00090	-.02180	.00013	.00540	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6841.1**	**77303.**	**6563.4**
Stddev	25.1	363.	14.1
%RSD	.36649	.46933	.21524
#1	6823.4	77046.	6573.4
#2	6858.8	77559.	6553.4

Sample Name: 280-49092-b-1-b Acquired: 11/14/2013 23:54:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00102**	**.00462**	**.00739**	**.15081**	**.05123**	**.00002**	**-.00031**	**62.678**	**.00035**	**-.00024**
Stddev	.00059	.00029	.00045	.00010	.00015	.00005	.00014	.237	.00004	.00007
%RSD	57.761	6.3667	6.1487	.06367	.30106	264.36	46.582	.37746	10.879	29.045
#1	-.00061	.00441	.00707	.15088	.05134	.00005	-.00041	62.846	.00032	-.00029
#2	-.00144	.00482	.00771	.15074	.05112	-.00002	-.00021	62.511	.00037	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**.00384**	**.01264**	**8.2555**	**.01784**	**11.076**	**.02302**	**.00443**	**76.156**	**.04622**
Stddev	.00012	.00007	.00149	.0239	.00203	.029	.00010	.00002	.026	.00032
%RSD	5.1835	1.6951	11.793	.28913	11.352	.26129	.43297	.48521	.03410	.70261
#1	.00243	.00388	.01158	8.2723	.01928	11.096	.02309	.00442	76.174	.04599
#2	.00226	.00379	.01369	8.2386	.01641	11.055	.02295	.00445	76.137	.04645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8208**	**-.00087**	**32.164**	**-.00019**	**-.00079**	**19.208**	**41.104**	**-.00036**	**.39114**	**.00176**
Stddev	.0017	.00084	.049	.00246	.00103	.089	.190	.00055	.00143	.00067
%RSD	.09510	96.653	.15141	1267.3	130.94	.46149	.46149	153.88	.36470	37.895
#1	1.8221	-.00147	32.129	-.00193	-.00006	19.145	40.970	.00003	.39214	.00223
#2	1.8196	-.00028	32.198	.00155	-.00152	19.270	41.238	-.00075	.39013	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00067**	**-.03622**	**.00464**	**.01431**	**.00014**
Stddev	.00014	.00105	.01609	.00034	.00038	.00051
%RSD	102.65	157.38	44.416	7.3272	2.6839	366.84
#1	-.00004	.00141	-.04759	.00488	.01458	.00050
#2	-.00023	-.00008	-.02484	.00440	.01404	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6959.3**	**79034.**	**6764.5**
Stddev	5.7	39.	5.0
%RSD	.08179	.04879	.07402
#1	6955.3	79007.	6761.0
#2	6963.3	79061.	6768.1

Sample Name: 280-49110-h-1-a Acquired: 11/14/2013 23:56:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**.01309**	**-.00097**	**.11383**	**.15394**	**-.00001**	**.00147**	**22.584**	**.00013**	**-.00042**
Stddev	.00028	.00030	.00169	.00113	.00034	.00001	.00287	.015	.00004	.00011
%RSD	24.420	2.3170	174.96	.99538	.21835	181.30	195.02	.06451	29.717	26.775
#1	-.00137	.01331	.00023	.11303	.15417	-.00002	.00350	22.595	.00011	-.00034
#2	-.00097	.01288	-.00216	.11464	.15370	.00000	-.00056	22.574	.00016	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00072**	**.29864**	**2.4071**	**.02639**	**13.920**	**.15757**	**.00910**	**135.65**	**.00026**
Stddev	.00009	.00028	.00185	.0104	.00032	.007	.00031	.00003	.35	.00027
%RSD	29.164	39.482	.61976	.43135	1.2205	.04972	.19586	.31156	.26090	107.28
#1	.00024	-.00092	.29733	2.4144	.02616	13.915	.15779	.00912	135.90	.00006
#2	.00036	-.00052	.29995	2.3998	.02661	13.924	.15735	.00908	135.40	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15665**	**-.00115**	**11.023**	**.00227**	**.00019**	**10.608**	**22.700**	**.00100**	**.21805**	**.00156**
Stddev	.00120	.00053	.033	.00094	.00007	.017	.036	.00070	.00001	.00111
%RSD	.76452	45.661	.30025	41.562	39.255	.16076	.16076	69.869	.00516	71.160
#1	.15750	-.00078	10.999	.00160	.00014	10.596	22.675	.00149	.21804	.00077
#2	.15581	-.00152	11.046	.00294	.00024	10.620	22.726	.00050	.21805	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00156**	**-.02647**	**.00025**	**.00762**	**.00086**
Stddev	.00029	.00022	.00452	.00047	.00001	.00114
%RSD	99.178	14.328	17.077	188.26	.07202	133.29
#1	.00009	.00172	-.02967	.00058	.00761	.00167
#2	.00050	.00140	-.02328	-.00008	.00762	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6895.6**	**78277.**	**6836.7**
Stddev	29.1	228.	39.5
%RSD	.42267	.29163	.57791
#1	6875.0	78115.	6808.8
#2	6916.2	78438.	6864.7

Sample Name: 280-49110-h-2-a Acquired: 11/14/2013 23:59:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00332**	**-.00114**	**.11529**	**.21582**	**.00000**	**.00152**	**20.203**	**.00005**	**-.00047**
Stddev	.00013	.00013	.00383	.00010	.00034	.0001	.00030	.016	.00006	.00005
%RSD	13.680	3.8802	335.93	.09038	.15638	4909.7	19.831	.08151	114.18	10.982
#1	-.00083	.00323	-.00385	.11522	.21558	-.00004	.00173	20.215	.00001	-.00051
#2	-.00101	.00341	.00157	.11537	.21605	.00003	.00131	20.191	.00009	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00057**	**.15387**	**3.5223**	**.02654**	**11.147**	**.14375**	**.00810**	**133.86**	**-.00010**
Stddev	.00001	.00012	.00110	.0194	.00088	.046	.00045	.00005	.35	.00005
%RSD	8.4341	20.588	.71228	.55226	3.3218	.40880	.31006	.56706	.26408	51.006
#1	.00016	-.00049	.15310	3.5360	.02717	11.179	.14407	.00813	133.61	-.00013
#2	.00014	-.00066	.15465	3.5085	.02592	11.115	.14344	.00807	134.11	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15481**	**-.00166**	**7.4436**	**.00096**	**-.00259**	**10.143**	**21.706**	**-.00036**	**.20890**	**.00342**
Stddev	.00079	.00071	.0264	.00332	.00034	.064	.136	.00009	.00001	.00212
%RSD	.51320	42.604	.35419	347.08	13.219	.62782	.62782	25.103	.00380	62.024
#1	.15425	-.00116	7.4249	.00331	-.00283	10.098	21.609	-.00042	.20890	.00192
#2	.15538	-.00217	7.4622	-.00139	-.00235	10.188	21.802	-.00030	.20891	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00057**	W **-.05594**	**-.00010**	**.00601**	**-.00214**
Stddev	.00033	.00086	.01387	.00016	.00041	.00160
%RSD	217.14	151.49	24.784	156.78	6.8915	74.994
#1	-.00038	.00118	-.04614	-.00022	.00630	-.00100
#2	.00008	-.00004	-.06575	.00001	.00572	-.00327
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6865.2**	**77999.**	**6749.8**
Stddev	11.5	48.	30.6
%RSD	.16686	.06095	.45407
#1	6857.1	77966.	6771.5
#2	6873.3	78033.	6728.1

Sample Name: CCVH-2372891 Acquired: 11/15/2013 0:01:37 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00667**	**48.511**	**-.00181**	**.00101**	**.00038**	**.00000**	W **1.0520**	**.03654**	**.00076**	**-.00121**	**.00042**	**-.00683**
Stddev	.00057	.201	.00009	.00011	.00027	.00003	.0073	.00122	.00009	.00021	.00001	.00000
%RSD	8.5698	.41352	4.7292	11.208	70.157	986.09	.68880	3.3402	11.747	17.649	2.2697	.06766
#1	-.00707	48.369	-.00175	.00093	.00019	-.00002	1.0469	.03740	.00070	-.00136	.00042	-.00684
#2	-.00627	48.653	-.00187	.00109	.00057	.00002	1.0571	.03567	.00082	-.00106	.00041	-.00683
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.011**	**.20929**	**.00172**	**.05906**	**-.00009**	**.00045**	**248.92**	**-.00091**	**.00255**	**-.00241**	**4.9936**	**.00171**
Stddev	.598	.02426	.00035	.00337	.00001	.00036	.02	.00014	.00049	.00013	.0341	.00288
%RSD	1.1965	11.589	20.133	5.7060	9.2179	80.723	.00886	15.811	19.318	5.4394	.68303	168.02
#1	49.588	.22644	.00197	.05668	-.00010	.00019	248.93	-.00102	.00290	-.00250	4.9695	-.00032
#2	50.434	.19214	.00148	.06144	-.00009	.00070	248.90	-.00081	.00220	-.00231	5.0177	.00375
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00515**	**.01245**	**.02665**	**-.00007**	**.00029**	**5.0467**	**.01306**	**.00115**	F **8.1429**	**.00118**	**.00212**	**-.07437**
Stddev	.00483	.01007	.02155	.00061	.00004	.0204	.00007	.00118	.0493	.00025	.00009	.00213
%RSD	93.755	80.850	80.850	827.11	13.580	.40371	.54825	103.16	.60535	20.845	4.3820	2.8674
#1	-.00174	.00533	.01141	.00036	.00026	5.0611	.01301	.00031	8.1778	.00135	.00205	-.07587
#2	-.00857	.01957	.04188	-.00051	.00032	5.0323	.01311	.00198	8.1080	.00100	.00218	-.07286
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.9**	**77488.**	**6562.3**
Stddev	21.5	580.	121.3
%RSD	.31148	.74849	1.8483
#1	6928.1	77077.	6648.1
#2	6897.7	77898.	6476.5

Sample Name: CCV-2372889 Acquired: 11/15/2013 0:03:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54437**	**.53518**	**1.0466**	**.52742**	**.50248**	**.47241**	**-.00997**	**4.6813**	**.48589**	**.50272**	**.53451**	**.50487**	**2.5990**
Stddev	.00260	.00218	.0008	.00159	.00025	.00325	.00059	.0369	.00056	.00037	.00042	.00017	.0044
%RSD	.47742	.40708	.08117	.30184	.04876	.68844	5.9077	.78907	.11607	.07429	.07872	.03334	.16934
#1	.54253	.53364	1.0472	.52629	.50231	.47011	-.00956	4.6552	.48549	.50245	.53421	.50475	2.6021
#2	.54621	.53672	1.0460	.52855	.50266	.47471	-.01039	4.7074	.48629	.50298	.53480	.50499	2.5959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.918**	**.98711**	**20.524**	**.49503**	**.52628**	**5.2978**	**.53855**	**1.0482**	**.96656**	**-.00277**	**1.0225**	**1.0712**	**5.0999**
Stddev	.191	.00435	.003	.00050	.00001	.0027	.00151	.0019	.00204	.00080	.0019	.0001	.0719
%RSD	.39803	.44038	.01455	.10131	.00245	.05029	.28049	.17669	.21061	28.776	.18702	.00983	1.4107
#1	47.783	.98403	20.522	.49468	.52629	5.2959	.53748	1.0469	.96800	-.00333	1.0238	1.0711	5.0490
#2	48.052	.99018	20.526	.49539	.52627	5.2997	.53962	1.0495	.96512	-.00220	1.0211	1.0712	5.1507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.914**	**1.0422**	**.48973**	**.00429**	**.50648**	**1.0029**	**-.01928**	**.48139**	**.51262**	**.48919**
Stddev	.154	.0043	.00159	.00176	.00054	.0032	.00389	.00159	.00090	.00469
%RSD	1.4107	.41071	.32536	41.080	.10744	.31853	20.164	.32930	.17556	.95906
#1	10.805	1.0392	.48860	.00553	.50610	1.0052	-.02203	.48251	.51326	.48587
#2	11.023	1.0453	.49085	.00304	.50687	1.0006	-.01653	.48027	.51199	.49250
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6937.7**	**78342.**	**6506.9**
Stddev	8.5	145.	14.9
%RSD	.12240	.18519	.22951
#1	6943.7	78240.	6496.3
#2	6931.7	78445.	6517.4

Sample Name: CCB Acquired: 11/15/2013 0:06:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00170**	**-.00013**	**-.00112**	**.00112**	**.00023**	**.00010**	**.00228**	**-.00177**	**-.00024**	**-.00020**	**.00000**
Stddev	.00014	.00001	.00097	.00007	.00026	.00003	.00127	.00100	.00009	.00003	.0000
%RSD	8.1988	10.693	86.550	5.9377	113.38	29.653	55.374	56.551	38.194	13.580	320.49
#1	-.00160	-.00012	-.00180	.00117	.00042	.00013	.00318	-.00106	-.00030	-.00018	.00001
#2	-.00180	-.00014	-.00043	.00107	.00005	.00008	.00139	-.00248	-.00017	-.00022	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.01983**	**.16029**	**.00093**	**.00312**	**.00019**	**.00027**	F **.26792**	**-.00020**	**.00014**	**.00029**
Stddev	.00043	.00198	.04047	.00018	.00164	.00004	.00006	.01199	.00010	.00088	.00077
%RSD	52.931	9.9620	25.251	18.957	52.392	20.476	22.817	4.4768	48.857	637.98	266.81
#1	-.00050	.02123	.18891	.00106	.00428	.00016	.00023	.27640	-.00027	-.00048	-.00026
#2	-.00110	.01843	.13167	.00081	.00197	.00022	.00031	.25944	-.00013	.00076	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	F **.00639**	**.00104**	**.00800**	**.01712**	**-.00100**	**-.00005**	**.00342**	**.00013**	**.00123**	**.00546**
Stddev	.00033	.00150	.00026	.02460	.05264	.00053	.00002	.00072	.00045	.00111	.01012
%RSD	28.393	23.483	24.996	307.44	307.44	52.784	35.211	21.165	345.62	90.138	185.51
#1	-.00092	.00533	.00086	-.00939	-.02010	-.00063	-.00006	.00290	.00045	.00045	-.00170
#2	-.00138	.00745	.00123	.02540	.05435	-.00138	-.00004	.00393	-.00019	.00202	.01261
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00018**	**.00289**	**-.00135**
Stddev	.00005	.00013	.00054
%RSD	28.148	4.4611	40.002
#1	-.00021	.00280	-.00097
#2	-.00014	.00298	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6944.7**	**78497.**	**6442.4**
Stddev	2.5	685.	20.9
%RSD	.03670	.87275	.32396
#1	6942.9	78981.	6427.6
#2	6946.5	78012.	6457.1

Sample Name: CCVL2379751 Acquired: 11/15/2013 0:08:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00942**	**.11040**	**.01350**	**.10435**	**.01025**	**.00096**	**.11579**	**.18338**	**.00471**	**.01014**	**.01088**	**.01369**	**.10499**
Stddev	.00020	.00003	.00058	.00039	.00018	.00003	.00263	.00066	.00003	.00006	.00009	.00049	.00243
%RSD	2.0907	.02987	4.2978	.37726	1.7991	3.6370	2.2703	.36006	.54631	.55244	.78244	3.5882	2.3170
#1	.00955	.11042	.01309	.10407	.01038	.00094	.11393	.18292	.00473	.01018	.01082	.01404	.10671
#2	.00928	.11038	.01391	.10463	.01012	.00099	.11765	.18385	.00469	.01010	.01094	.01334	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9863**	**.01013**	**.21374**	**.01014**	**.02045**	**1.2108**	**.04387**	**3.0536**	**.00816**	**-.00063**	**.00976**	**.01610**	**.50801**
Stddev	.0108	.00025	.00194	.00005	.00017	.0066	.00023	.0156	.00052	.00067	.00018	.00181	.02768
%RSD	.36137	2.4858	.90917	.53503	.81532	.54334	.51926	.51187	6.3567	105.86	1.8675	11.238	5.4495
#1	2.9940	.00995	.21511	.01018	.02033	1.2062	.04371	3.0426	.00779	-.00016	.00989	.01738	.52758
#2	2.9787	.01031	.21236	.01011	.02057	1.2155	.04403	3.0647	.00853	-.00111	.00963	.01482	.48843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0871**	**.10591**	**.00973**	**.01838**	**.00998**	**.01638**	F **.02440**	**.00905**	**.02334**	**.01163**
Stddev	.0592	.00085	.00004	.00228	.00021	.00077	.02237	.00034	.00017	.00016
%RSD	5.4495	.80423	.38341	12.401	2.1100	4.7159	91.681	3.7607	.74365	1.3895
#1	1.1290	.10531	.00976	.01677	.00983	.01583	.00858	.00929	.02347	.01174
#2	1.0452	.10651	.00971	.01999	.01013	.01693	.04022	.00881	.02322	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7043.8**	**79561.**	**6498.4**
Stddev	44.3	108.	16.4
%RSD	.62946	.13567	.25273
#1	7075.1	79637.	6486.8
#2	7012.4	79485.	6510.1

Sample Name: mb 280-200655/1-a Acquired: 11/15/2013 0:10:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00113**	**.00824**	**.00301**	**.00036**	**.00064**	**.00001**	**.00178**	W **.07370**	**-.00013**	**-.00009**
Stddev	.00047	.00040	.00033	.00023	.00028	.00012	.00051	.00235	.00034	.00007
%RSD	41.849	4.9151	10.927	63.438	44.087	1386.3	28.757	3.1866	258.55	84.570
#1	-.00146	.00795	.00324	.00052	.00044	-.00008	.00142	.07204	-.00037	-.00004
#2	-.00079	.00853	.00278	.00020	.00085	.00010	.00215	.07536	.00011	-.00014
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.01000							.02706		
Low Limit	-.00010							-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00406**	**.00093**	**.01395**	**.10134**	**.00063**	**.00707**	W **.00078**	**-.00015**	W **.24224**	**.00028**
Stddev	.00004	.00002	.00388	.02331	.00362	.00024	.00006	.00024	.00830	.00017
%RSD	1.0001	1.8805	27.834	23.001	572.77	3.3957	7.8118	158.14	3.4264	60.071
#1	.00403	.00094	.01121	.11782	.00319	.00724	.00082	-.00032	.23637	.00016
#2	.00409	.00092	.01670	.08486	-.00193	.00690	.00073	.00002	.24811	.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit	.00257						.00023		.05054	
Low Limit	-.01000						-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00080**	F **.01300**	**.00178**	**-.00135**	**.00690**	**.01477**	**-.00016**	W **.00063**	W **.00296**
Stddev	.00006	.00080	.00079	.00228	.00116	.01873	.04008	.00005	.00002	.00119
%RSD	6.6439	100.54	6.0507	128.07	85.720	271.40	271.40	28.032	3.8508	40.038
#1	.00089	-.00023	.01355	.00339	-.00217	.02014	.04311	-.00013	.00061	.00380
#2	.00097	-.00136	.01244	.00017	-.00053	-.00634	-.01357	-.00020	.00065	.00212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn
High Limit			.01000						.00058	.00000
Low Limit			-.01000						-.00500	-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00026**	**-.02183**	**.00004**	F **.01221**	**.00041**
Stddev	.00034	.00002	.05241	.00034	.00015	.00032
%RSD	154.41	6.1766	240.04	882.19	1.2191	76.771
#1	-.00046	.00027	-.05889	.00028	.01232	.00064
#2	.00002	.00025	.01522	-.00020	.01210	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.01000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6955.5**	**78408.**	**6450.7**
Stddev	.2	159.	28.9
%RSD	.00291	.20220	.44810
#1	6955.7	78296.	6471.1
#2	6955.4	78520.	6430.2

Sample Name: lcs 280-200655/2-a Acquired: 11/15/2013 0:13:06 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05258**	**2.0202**	**1.0527**	**1.0686**	**2.0161**	**.04699**	**2.1555**	**45.247**	**.09720**	**.49196**
Stddev	.00002	.0012	.0009	.0036	.0228	.00054	.0088	.550	.00027	.00042
%RSD	.03998	.05737	.08455	.33249	1.1326	1.1526	.40663	1.2149	.27698	.08630
#1	.05256	2.0194	1.0534	1.0661	2.0323	.04737	2.1493	45.636	.09701	.49226
#2	.05259	2.0210	1.0521	1.0711	2.0000	.04660	2.1617	44.859	.09739	.49166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21679**	**.24972**	**1.0349**	**48.448**	**.99745**	**51.720**	**.49357**	**1.0531**	**50.674**	**.52971**
Stddev	.00076	.00132	.0044	.525	.01206	.110	.00062	.0018	.189	.00238
%RSD	.34999	.52846	.42420	1.0846	1.2096	.21226	.12639	.17425	.37261	.45007
#1	.21625	.25065	1.0380	48.820	1.0060	51.797	.49401	1.0544	50.808	.52802
#2	.21733	.24879	1.0318	48.077	.98891	51.642	.49313	1.0518	50.541	.53139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.608**	**.46544**	**-.00171**	**.51290**	**2.1357**	**10.250**	**21.936**	**2.0701**	**.98024**	**1.0157**
Stddev	.060	.00031	.00071	.00274	.0064	.021	.045	.0021	.01104	.0085
%RSD	.56481	.06721	41.644	.53405	.29897	.20699	.20699	.10087	1.1264	.83793
#1	10.650	.46522	-.00121	.51096	2.1402	10.265	21.968	2.0716	.98804	1.0217
#2	10.565	.46567	-.00221	.51483	2.1311	10.235	21.904	2.0686	.97243	1.0096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0329**	**1.9229**	F **3.2994**	**.48964**	**.51180**	**.47125**
Stddev	.0030	.0090	.0256	.00199	.00236	.00118
%RSD	.28649	.46577	.77503	.40640	.46074	.24959
#1	1.0350	1.9292	3.3175	.49105	.51347	.47208
#2	1.0308	1.9166	3.2814	.48823	.51014	.47042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6735.0**	**75503.**	**6476.4**
Stddev	3.2	124.	90.1
%RSD	.04695	.16459	1.3907
#1	6737.2	75416.	6412.7
#2	6732.8	75591.	6540.1

Sample Name: 280-49038-c-1-a Acquired: 11/15/2013 0:15:14 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.06453**	**.00183**	**.10286**	**1.0747**	**.00008**	**-.00232**	**6.6393**	**-.00028**	**-.00056**
Stddev	.00037	.00062	.00068	.00117	.0043	.00007	.00284	.0001	.00004	.00013
%RSD	24.536	.96854	36.835	1.1395	.40455	84.761	122.65	.00126	13.725	22.316
#1	-.00179	.06409	.00231	.10369	1.0716	.00003	-.00433	6.6393	-.00025	-.00047
#2	-.00126	.06497	.00136	.10203	1.0778	.00013	-.00031	6.6392	-.00030	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29312**	**.00801**	**2.5574**	**4.3875**	**.06722**	**1.3987**	**.03473**	**.00988**	W **725.50**	**.00120**
Stddev	.00084	.00117	.0068	.0848	.00131	.0051	.00009	.00009	2.64	.00021
%RSD	.28537	14.559	.26742	1.9317	1.9431	.36334	.26621	.90246	.36376	17.677
#1	.29253	.00884	2.5526	4.3276	.06814	1.4023	.03479	.00982	723.64	.00135
#2	.29371	.00719	2.5622	4.4474	.06630	1.3951	.03466	.00995	727.37	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09823**	**.00197**	**.31531**	**-.00105**	**-.00111**	**8.8938**	**19.033**	**-.00018**	**.83252**	**.00401**
Stddev	.00104	.00052	.00372	.00004	.00003	.0321	.069	.00053	.00269	.00106
%RSD	1.0608	26.555	1.1795	3.8409	2.7131	.36144	.36144	290.19	.32347	26.513
#1	.09749	.00235	.31268	-.00108	-.00113	8.8710	18.984	.00019	.83062	.00476
#2	.09897	.00160	.31794	-.00102	-.00109	8.9165	19.081	-.00056	.83443	.00326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00014**	**-.03793**	**.00115**	**.01439**	**.00300**
Stddev	.00011	.00096	.02785	.00067	.00056	.00171
%RSD	9.7424	672.59	73.420	58.316	3.8726	56.980
#1	.00124	-.00054	-.05763	.00067	.01478	.00420
#2	.00108	.00082	-.01824	.00162	.01399	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6483.0**	**72240.**	**6504.5**
Stddev	13.5	187.	114.7
%RSD	.20785	.25953	1.7626
#1	6473.5	72372.	6423.4
#2	6492.5	72107.	6585.6

Sample Name: 280-49038-c-1-aSD@5 Acquired: 11/15/2013 0:17:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.01838**	**-.00099**	**.02160**	**.21527**	**.00006**	**.00142**	**1.3347**	**-.00016**	**-.00042**
Stddev	.00073	.00057	.00137	.00074	.00090	.00001	.00014	.0030	.00008	.00008
%RSD	49.380	3.1058	138.74	3.4221	.41926	23.309	9.9910	.22370	47.770	20.110
#1	-.00201	.01798	-.00002	.02108	.21591	.00005	.00132	1.3326	-.00022	-.00047
#2	-.00097	.01878	-.00196	.02212	.21463	.00007	.00152	1.3368	-.00011	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05793**	**.00125**	**.52249**	**.98146**	**.01505**	**.28817**	**.00709**	**.00192**	**144.28**	**.00038**
Stddev	.00043	.00015	.00269	.00595	.00038	.00354	.00009	.00011	.14	.00011
%RSD	.74311	11.600	.51516	.60669	2.5505	1.2279	1.2037	5.8947	.09747	30.037
#1	.05763	.00136	.52059	.97725	.01478	.29067	.00715	.00200	144.18	.00030
#2	.05824	.00115	.52440	.98567	.01532	.28567	.00703	.00184	144.38	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01668**	**.00074**	**.06255**	**.00079**	**-.00173**	**1.7567**	**3.7594**	**.00111**	**.16603**	**.00355**
Stddev	.00035	.00072	.00105	.00063	.00106	.0047	.0101	.00102	.00033	.00032
%RSD	2.1247	96.439	1.6803	79.456	61.061	.26775	.26775	91.384	.20116	8.9255
#1	.01693	.00024	.06329	.00035	-.00098	1.7600	3.7665	.00039	.16627	.00377
#2	.01643	.00125	.06181	.00124	-.00248	1.7534	3.7522	.00183	.16579	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00087**	**-.03042**	**.00018**	**.00759**	**.00229**
Stddev	.00007	.00092	.08610	.00003	.00021	.00089
%RSD	43.750	106.14	283.02	17.786	2.7714	38.653
#1	.00021	.00022	.03046	.00020	.00744	.00166
#2	.00011	.00152	-.09131	.00016	.00773	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6783.5**	**76135.**	**6419.2**
Stddev	13.2	282.	2.4
%RSD	.19505	.37039	.03747
#1	6792.9	76334.	6420.9
#2	6774.1	75935.	6417.5

Sample Name: 280-49038-c-1-b ms Acquired: 11/15/2013 0:20:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05440**	**2.0432**	**1.0811**	**1.1263**	**3.0704**	**.04714**	F **2.1097**	**51.546**	**.09812**	**.47985**
Stddev	.00063	.0052	.0096	.0094	.0011	.00003	.0198	.050	.00062	.00306
%RSD	1.1573	.25533	.88389	.83399	.03720	.07346	.94030	.09739	.63212	.63697
#1	.05395	2.0395	1.0743	1.1196	3.0712	.04711	2.0956	51.582	.09768	.47769
#2	.05484	2.0469	1.0879	1.1329	3.0696	.04716	2.1237	51.511	.09856	.48201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48924**	**.25794**	**3.5228**	**55.770**	**1.0944**	**51.084**	**.52311**	**1.0560**	W **761.17**	**.51626**
Stddev	.00227	.00003	.0032	.093	.0002	.030	.00022	.0053	.60	.00358
%RSD	.46482	.01030	.08955	.16626	.01439	.05909	.04165	.50650	.07856	.69361
#1	.48764	.25792	3.5206	55.705	1.0943	51.063	.52296	1.0522	761.59	.51372
#2	.49085	.25796	3.5251	55.836	1.0945	51.106	.52326	1.0598	760.75	.51879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.021**	**.44585**	**.27433**	**.51332**	**2.1587**	**19.272**	**41.242**	W **2.0197**	**1.7960**	**1.0196**
Stddev	.082	.00283	.00264	.00243	.0229	.067	.144	.0070	.0009	.0011
%RSD	.74505	.63384	.96205	.47253	1.0591	.34869	.34869	.34629	.05094	.10918
#1	10.963	.44386	.27247	.51161	2.1425	19.319	41.344	2.0147	1.7954	1.0188
#2	11.079	.44785	.27620	.51504	2.1748	19.224	41.140	2.0246	1.7967	1.0203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0339**	**1.7376**	**3.2365**	**.49023**	**.53225**	**.47836**
Stddev	.0029	.0087	.0579	.00064	.00046	.00018
%RSD	.28210	.49956	1.7877	.12965	.08620	.03835
#1	1.0360	1.7314	3.1955	.49068	.53258	.47848
#2	1.0319	1.7437	3.2774	.48978	.53193	.47823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6430.4**	**70666.**	**6410.8**
Stddev	16.5	231.	4.5
%RSD	.25677	.32753	.07027
#1	6418.7	70830.	6414.0
#2	6442.1	70502.	6407.6

Sample Name: 280-49038-c-1-c msd Acquired: 11/15/2013 0:22:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05431**	**2.0381**	**1.0985**	**1.1446**	**3.1389**	**.04788**	F **2.1413**	**52.422**	**.09959**	**.48235**
Stddev	.00029	.0023	.0042	.0052	.0018	.00021	.0004	.086	.00038	.00133
%RSD	.54238	.11386	.37913	.45042	.05848	.44377	.01695	.16485	.37829	.27553
#1	.05452	2.0365	1.0955	1.1409	3.1376	.04803	2.1416	52.484	.09933	.48141
#2	.05410	2.0398	1.1014	1.1482	3.1402	.04773	2.1411	52.361	.09986	.48329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49462**	**.26233**	**3.6270**	**56.867**	**1.1123**	**50.816**	**.52532**	**1.0592**	W **786.02**	**.51849**
Stddev	.00064	.00138	.0045	.061	.0002	.104	.00033	.0017	1.05	.00012
%RSD	.12896	.52592	.12375	.10707	.02105	.20449	.06272	.15659	.13400	.02271
#1	.49417	.26330	3.6238	56.824	1.1121	50.743	.52508	1.0581	786.76	.51840
#2	.49507	.26135	3.6301	56.910	1.1124	50.890	.52555	1.0604	785.27	.51857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.106**	**.44734**	**.28607**	**.51446**	**2.1722**	**19.807**	**42.387**	W **2.0154**	**1.8414**	**1.0231**
Stddev	.030	.00003	.00335	.00254	.0044	.109	.233	.0105	.0010	.0032
%RSD	.26955	.00730	1.1697	.49324	.20340	.55001	.55001	.51882	.05463	.31739
#1	11.084	.44736	.28843	.51625	2.1753	19.730	42.222	2.0228	1.8407	1.0208
#2	11.127	.44731	.28370	.51267	2.1690	19.884	42.551	2.0080	1.8421	1.0254
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**1.7424**	**3.2948**	**.49567**	**.52743**	**.48816**
Stddev	.0010	.0119	.0026	.00008	.00168	.00249
%RSD	.09923	.68106	.07973	.01707	.31868	.50984
#1	1.0417	1.7508	3.2967	.49561	.52624	.48640
#2	1.0402	1.7340	3.2930	.49573	.52862	.48992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6520.0**	**72470.**	**6418.7**
Stddev	6.8	299.	2.6
%RSD	.10358	.41219	.04106
#1	6515.3	72681.	6420.5
#2	6524.8	72259.	6416.8

Sample Name: 280-49038-c-2-a Acquired: 11/15/2013 0:24:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**.29531**	**-.00250**	**.05378**	**.74973**	**.00007**	**-.00156**	**2.6785**	**-.00023**	**-.00050**
Stddev	.00041	.00173	.00059	.00012	.00229	.00001	.00096	.0045	.00012	.00004
%RSD	32.363	.58679	23.763	.22538	.30594	12.712	61.210	.16755	53.619	7.5953
#1	-.00099	.29409	-.00292	.05369	.75135	.00007	-.00224	2.6817	-.00032	-.00053
#2	-.00158	.29654	-.00208	.05386	.74811	.00006	-.00089	2.6754	-.00014	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00357**	**.00482**	**2.3127**	**3.5763**	**.04210**	**1.0922**	**.02581**	**.00713**	W **501.05**	**.00215**
Stddev	.00008	.00077	.0054	.0001	.00047	.0017	.00004	.00011	2.67	.00011
%RSD	2.2958	15.914	.23503	.00286	1.1253	.15510	.14906	1.5839	.53219	5.1165
#1	.00363	.00536	2.3088	3.5762	.04243	1.0934	.02583	.00721	502.93	.00223
#2	.00351	.00428	2.3165	3.5764	.04176	1.0910	.02578	.00705	499.16	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07698**	**.00062**	**.21990**	**.00039**	**.00030**	**7.6978**	**16.473**	**.00007**	**.35924**	**.00307**
Stddev	.00078	.00103	.00456	.00011	.00095	.0127	.027	.00017	.00077	.00377
%RSD	1.0192	165.29	2.0744	26.743	320.16	.16431	.16431	254.30	.21348	122.96
#1	.07753	.00135	.21667	.00047	.00097	7.6889	16.454	-.00005	.35978	.00040
#2	.07642	-.00011	.22312	.00032	-.00038	7.7068	16.493	.00019	.35870	.00573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00612**	**.00085**	**-.02701**	**.00078**	**.00552**	**.00065**
Stddev	.00017	.00047	.03713	.00028	.00023	.00074
%RSD	2.7270	55.194	137.43	36.483	4.2346	113.25
#1	.00624	.00052	-.00076	.00058	.00569	.00118
#2	.00600	.00118	-.05327	.00098	.00536	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6616.7**	**74869.**	**6647.9**
Stddev	31.8	262.	36.2
%RSD	.48111	.34964	.54421
#1	6639.2	74684.	6622.3
#2	6594.2	75054.	6673.5

Sample Name: 280-49038-c-3-a Acquired: 11/15/2013 0:26:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.37610**	**.00088**	**.11121**	**1.6155**	**.00002**	**-.00394**	**8.1121**	**-.00018**	**-.00048**
Stddev	.00054	.00063	.00013	.00003	.0008	.00004	.00051	.0069	.00007	.00005
%RSD	37.608	.16704	14.760	.03007	.04964	211.87	13.015	.08447	36.172	9.3086
#1	-.00183	.37654	.00098	.11119	1.6160	.00005	-.00430	8.1072	-.00023	-.00045
#2	-.00106	.37565	.00079	.11123	1.6149	-.00001	-.00358	8.1169	-.00013	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**.01473**	**5.9743**	**5.1542**	**.08106**	**1.6252**	**.05982**	**.00718**	W **721.37**	**.00286**
Stddev	.00009	.00003	.0269	.0680	.00105	.0113	.00024	.00022	.60	.00007
%RSD	3.5946	.19047	.44954	1.3199	1.2954	.69592	.39959	3.0408	.08306	2.2734
#1	.00244	.01471	5.9553	5.1061	.08180	1.6172	.05965	.00703	721.79	.00291
#2	.00232	.01475	5.9933	5.2024	.08031	1.6332	.05999	.00733	720.95	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27648**	**.00357**	**.43039**	**-.00157**	**.00141**	**9.9223**	**21.234**	**-.00004**	**.98721**	**.00204**
Stddev	.00054	.00089	.00031	.00020	.00162	.0300	.064	.00014	.00011	.00197
%RSD	.19496	24.987	.07095	12.827	114.60	.30277	.30277	325.18	.01102	96.176
#1	.27686	.00294	.43018	-.00172	.00027	9.9011	21.188	-.00015	.98729	.00065
#2	.27610	.00420	.43061	-.00143	.00255	9.9436	21.279	.00006	.98714	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00080**	**-.04223**	**.00091**	**.00733**	**.00180**
Stddev	.00036	.00001	.02153	.00064	.00028	.00129
%RSD	8.4448	1.7495	50.993	70.272	3.7885	71.468
#1	.00446	.00081	-.05746	.00136	.00753	.00089
#2	.00395	.00079	-.02700	.00046	.00714	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6566.3**	**72673.**	**6537.2**
Stddev	35.3	371.	26.1
%RSD	.53724	.51085	.39953
#1	6541.4	72935.	6555.6
#2	6591.3	72410.	6518.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 0:29:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00785**	**48.826**	**-.00099**	**.00194**	**.00105**	**-.00011**	W **1.0738**	**.01315**	**.00079**	**-.00113**	**.00022**	**-.00754**
Stddev	.00002	.125	.00197	.00015	.00006	.00005	.0057	.00284	.00016	.00011	.00020	.00030
%RSD	.20225	.25613	200.40	7.8707	5.9352	41.000	.52919	21.584	20.213	9.9602	90.837	4.0257
#1	-.00784	48.737	.00041	.00183	.00110	-.00008	1.0778	.01515	.00090	-.00105	.00008	-.00733
#2	-.00786	48.914	-.00238	.00205	.00101	-.00014	1.0698	.01114	.00068	-.00121	.00036	-.00776
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.929**	**.35186**	**.00261**	**.05187**	**-.00018**	**.00053**	**251.85**	**-.00112**	**.00324**	**-.00251**	**5.0471**	**.00127**
Stddev	.277	.01823	.00036	.00061	.00002	.00001	.09	.00005	.00053	.00129	.0355	.00171
%RSD	.54361	5.1798	13.947	1.1851	11.397	1.6329	.03392	4.2646	16.486	51.489	.70328	134.40
#1	50.733	.36475	.00286	.05231	-.00017	.00053	251.91	-.00109	.00362	-.00160	5.0722	.00249
#2	51.124	.33897	.00235	.05144	-.00020	.00052	251.79	-.00116	.00286	-.00342	5.0220	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.01667**	**.03567**	**-.00098**	**.00009**	**5.0952**	**.01412**	**.00250**	F **8.3982**	**.00110**	**.00218**	**-.07756**
Stddev	.00307	.01972	.04220	.00023	.00013	.0002	.00015	.00003	.0622	.00020	.00009	.00006
%RSD	179.33	118.31	118.31	23.587	138.47	.00471	1.0868	1.1691	.74101	17.752	4.0892	.07217
#1	-.00389	.00272	.00583	-.00114	.00000	5.0954	.01423	.00248	8.3542	.00124	.00225	-.07752
#2	.00046	.03061	.06552	-.00081	.00018	5.0950	.01401	.00252	8.4422	.00096	.00212	-.07760
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.4**	**76667.**	**6626.5**
Stddev	.2	264.	5.4
%RSD	.00261	.34441	.08142
#1	6881.3	76854.	6622.6
#2	6881.5	76480.	6630.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 0:31:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54387**	**.53834**	**1.0578**	**.53347**	**.50529**	**.47268**	**-.00763**	**4.6852**	**.48539**	**.50232**	**.53611**	**.50371**	**2.6112**
Stddev	.00516	.00064	.0025	.00448	.00069	.00086	.00096	.0354	.00028	.00027	.00025	.00198	.0098
%RSD	.94786	.11809	.23394	.83967	.13693	.18137	12.620	.75623	.05755	.05342	.04688	.39371	.37520
#1	.54023	.53790	1.0561	.53030	.50480	.47329	-.00695	4.7103	.48559	.50251	.53593	.50231	2.6181
#2	.54752	.53879	1.0596	.53663	.50578	.47207	-.00832	4.6602	.48519	.50214	.53629	.50511	2.6043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.052**	**.98857**	**20.508**	**.49527**	**.52789**	F **5.5458**	**.54328**	**1.0513**	**.96357**	**-.00504**	**1.0327**	**1.0785**	**5.1618**
Stddev	.110	.00290	.072	.00083	.00004	.0672	.00369	.0020	.00110	.00452	.0025	.0015	.0403
%RSD	.22793	.29341	.35066	.16673	.00820	1.2118	.67877	.19358	.11457	89.829	.23950	.13638	.78005
#1	48.129	.98652	20.457	.49468	.52793	5.5933	.54067	1.0528	.96436	-.00824	1.0344	1.0774	5.1902
#2	47.975	.99062	20.559	.49585	.52786	5.4982	.54589	1.0499	.96279	-.00184	1.0309	1.0795	5.1333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.046**	**1.0437**	**.49135**	**.00557**	**.50741**	**1.0078**	**-.05534**	**.48284**	**.51320**	**.48856**
Stddev	.086	.0005	.00073	.00278	.00065	.0018	.03177	.00068	.00190	.00447
%RSD	.78005	.04703	.14870	49.846	.12757	.17523	57.412	.14073	.37006	.91427
#1	11.107	1.0433	.49084	.00753	.50695	1.0090	-.07781	.48332	.51454	.49171
#2	10.985	1.0440	.49187	.00361	.50787	1.0065	-.03287	.48236	.51185	.48540
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.9**	**78382.**	**6529.5**
Stddev	17.9	87.	16.3
%RSD	.25571	.11103	.24918
#1	7002.5	78321.	6518.0
#2	6977.3	78444.	6541.0

Sample Name: CCB Acquired: 11/15/2013 0:33:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00134**	**-.00022**	**-.00238**	**.00165**	**.00014**	**.00011**	**.00209**	**-.00282**	**-.00013**	**-.00005**	**-.00014**
Stddev	.00079	.00008	.00014	.00066	.00032	.00007	.00102	.00227	.00004	.00003	.00001
%RSD	59.103	38.694	6.0395	39.942	228.60	66.483	48.796	80.460	34.245	52.083	10.657
#1	-.00078	-.00016	-.00227	.00118	-.00009	.00006	.00137	-.00442	-.00010	-.00003	-.00015
#2	-.00189	-.00028	-.00248	.00211	.00037	.00016	.00281	-.00121	-.00016	-.00007	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**-.00058**	**.19850**	**.00044**	**.00091**	**.00002**	**.00006**	F **.40339**	**-.00006**	**.00095**	**-.00006**
Stddev	.00036	.00047	.02853	.00047	.00293	.00001	.00026	.02023	.00003	.00119	.00029
%RSD	28.904	80.955	14.373	107.03	322.91	63.905	463.03	5.0138	45.780	125.57	456.52
#1	-.00098	-.00091	.17833	.00077	-.00116	.00003	.00024	.41770	-.00008	.00179	-.00026
#2	-.00149	-.00025	.21868	.00011	.00298	.00001	-.00013	.38909	-.00004	.00011	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	W **.00508**	**.00177**	**.01176**	**.02517**	**-.00046**	**-.00009**	**.00237**	**-.00011**	**.00078**	**-.02949**
Stddev	.00053	.00062	.00165	.01907	.04081	.00019	.00009	.00158	.00009	.00032	.03214
%RSD	240.64	12.231	93.423	162.11	162.11	42.490	106.17	66.837	82.872	40.354	108.97
#1	.00016	.00551	.00060	-.00172	-.00368	-.00032	-.00002	.00125	-.00004	.00056	-.05222
#2	-.00060	.00464	.00293	.02525	.05403	-.00060	-.00015	.00349	-.00017	.00101	-.00677
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00316**	**-.00016**
Stddev	.00012	.00008	.00378
%RSD	137.74	2.5455	2328.0
#1	.00000	.00310	.00251
#2	-.00017	.00321	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6898.6**	**78928.**	**6529.8**
Stddev	22.6	77.	47.6
%RSD	.32724	.09751	.72914
#1	6882.6	78982.	6563.5
#2	6914.6	78873.	6496.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 0:36:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.10989**	**.01387**	**.10533**	**.01050**	**.00097**	**.11867**	**.18939**	**.00483**	**.01022**	**.01082**	**.01400**	**.10720**
Stddev	.00032	.00008	.00270	.00039	.00007	.00002	.00103	.00112	.00007	.00032	.00019	.00056	.00011
%RSD	3.1623	.06887	19.489	.36825	.68110	2.0769	.86630	.59078	1.4899	3.1237	1.8022	3.9939	.10538
#1	.01034	.10994	.01578	.10506	.01055	.00095	.11794	.18860	.00478	.01045	.01095	.01360	.10728
#2	.00989	.10984	.01196	.10560	.01045	.00098	.11939	.19018	.00488	.01000	.01068	.01439	.10712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9763**	**.01248**	**.21723**	**.01005**	**.02031**	F **1.3342**	**.04406**	**3.0702**	**.00851**	**.00072**	**.01024**	**.01644**	**.51522**
Stddev	.0328	.00205	.00134	.00002	.00005	.0219	.00030	.0010	.00125	.00164	.00214	.00071	.00581
%RSD	1.1015	16.389	.61477	.17552	.25353	1.6426	.67811	.03165	14.719	227.51	20.945	4.3219	1.1278
#1	2.9531	.01103	.21628	.01006	.02027	1.3496	.04427	3.0709	.00762	.00188	.00872	.01594	.51933
#2	2.9995	.01393	.21817	.01004	.02034	1.3187	.04385	3.0695	.00939	-.00044	.01176	.01694	.51111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1026**	**.10719**	**.00966**	**.01701**	**.01025**	**.01660**	F **.08664**	**.00952**	**.02499**	**.01443**
Stddev	.0124	.00023	.00002	.00099	.00011	.00008	.00020	.00021	.00020	.00096
%RSD	1.1278	.21309	.24597	5.8086	1.1200	.50229	.23533	2.1901	.78085	6.6231
#1	1.1114	.10702	.00965	.01770	.01033	.01655	.08650	.00966	.02513	.01510
#2	1.0938	.10735	.00968	.01631	.01017	.01666	.08679	.00937	.02486	.01375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.6**	**80050.**	**6605.8**
Stddev	22.3	29.	23.4
%RSD	.31440	.03616	.35381
#1	7114.4	80029.	6622.3
#2	7082.8	80070.	6589.2

Sample Name: 280-49081-a-1-a Acquired: 11/15/2013 0:38:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02726**	**.42098**	**.00575**	**1.7718**	**.00077**	**.00005**	**.00470**	**1.9926**	**.00108**	**.00076**
Stddev	.00045	.02999	.00233	.0096	.00007	.00005	.00253	.0055	.00000	.00057
%RSD	1.6439	7.1247	40.636	.54194	9.5147	90.580	53.816	.27782	.12772	75.431
#1	.02757	.39977	.00740	1.7786	.00083	.00002	.00649	1.9887	.00108	.00035
#2	.02694	.44218	.00409	1.7650	.00072	.00009	.00291	1.9966	.00108	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14488**	**.05200**	**.00994**	**51.659**	**.05765**	**1.4999**	**.00095**	**.02809**	RF **10099.**	**.32115**
Stddev	.00009	.00029	.00107	1.521	.00385	.0036	.00001	.00092	13.	.00146
%RSD	.06304	.56132	10.795	2.9437	6.6741	.23757	.89686	3.2666	.13253	.45490
#1	.14481	.05221	.01070	50.584	.06037	1.4974	.00094	.02744	10090.	.32218
#2	.14494	.05179	.00918	52.735	.05493	1.5025	.00095	.02874	10109.	.32011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **933.97**	**-.00003**	F **2553.3**	**.02741**	**.00399**	**7.2358**	**15.485**	**.00289**	**.00927**	**.00122**
Stddev	4.23	.00132	12.5	.00124	.00203	.0720	.154	.00159	.00010	.00149
%RSD	.45295	4543.3	.49012	4.5199	50.903	.99509	.99509	54.836	1.0560	122.79
#1	936.96	.00090	2562.2	.02653	.00256	7.1849	15.376	.00177	.00920	.00016
#2	930.97	-.00096	2544.5	.02829	.00543	7.2867	15.594	.00402	.00934	.00227
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00092**	**-.04446**	**.00355**	**.00745**	**-.00155**
Stddev	.00028	.00117	.01364	.00011	.00062	.00151
%RSD	98.470	127.04	30.669	2.9704	8.3791	97.558
#1	.00048	.00009	-.03482	.00348	.00789	-.00262
#2	.00009	.00175	-.05411	.00363	.00701	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5404.8**	**58054.**	**6016.5**
Stddev	25.6	104.	57.8
%RSD	.47351	.17910	.96014
#1	5386.7	58128.	6057.4
#2	5422.8	57981.	5975.7

Sample Name: 280-49081-a-2-a Acquired: 11/15/2013 0:41:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05517**	**.02973**	**.00305**	**2.4689**	**.00220**	**.00003**	**.00396**	**1.6790**	**.00059**	**.00010**
Stddev	.00045	.00013	.00001	.0028	.00039	.00006	.00195	.0112	.00008	.00008
%RSD	.81601	.42184	.32001	.11521	17.809	233.04	49.258	.66405	13.525	79.850
#1	.05549	.02982	.00304	2.4669	.00248	.00007	.00533	1.6711	.00053	.00004
#2	.05485	.02964	.00305	2.4709	.00192	-.00002	.00258	1.6869	.00064	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01249**	**.04447**	**.01464**	**88.202**	**.04027**	**.99129**	**.00080**	**.03086**	RW **6219.8**	**.44104**
Stddev	.00003	.00073	.00210	.133	.00164	.00041	.00009	.00021	2.9	.00045
%RSD	.20948	1.6345	14.380	.15106	4.0710	.04159	10.671	.66817	.04621	.10128
#1	.01247	.04498	.01315	88.108	.03911	.99099	.00086	.03072	6217.7	.44136
#2	.01251	.04395	.01612	88.296	.04143	.99158	.00074	.03101	6221.8	.44073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **780.20**	**.00080**	F **1284.1**	**.02159**	**.00359**	**5.9460**	**12.724**	**.00967**	**.00808**	**.00124**
Stddev	2.75	.00051	6.3	.00082	.00779	.0755	.162	.00026	.00012	.00136
%RSD	.35255	63.919	.49011	3.8072	216.84	1.2694	1.2694	2.6788	1.5162	109.54
#1	778.26	.00044	1279.7	.02101	-.00192	5.8926	12.610	.00985	.00799	.00028
#2	782.15	.00116	1288.6	.02217	.00910	5.9993	12.839	.00948	.00817	.00220
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00036**	**-.00967**	**.00078**	**.01201**	**.00046**
Stddev	.00020	.00089	.04360	.00012	.00035	.00044
%RSD	130.68	244.89	450.82	16.019	2.8721	97.228
#1	.00030	-.00026	-.04050	.00087	.01177	.00077
#2	.00001	.00099	.02116	.00069	.01226	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5736.9**	**61901.**	**6213.9**
Stddev	26.6	158.	117.1
%RSD	.46430	.25507	1.8850
#1	5755.7	61790.	6131.1
#2	5718.1	62013.	6296.8

Sample Name: 280-49081-a-3-a Acquired: 11/15/2013 0:44:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.21769**	**-.00119**	**.39951**	**.00214**	**.00005**	**.00001**	**1.7186**	**.00004**	**-.00035**
Stddev	.00064	.00093	.00132	.00035	.00044	.00005	.00101	.0357	.00015	.00001
%RSD	5.8355	.42519	110.93	.08805	20.476	92.825	7041.7	2.0784	350.75	1.6509
#1	.01046	.21835	-.00026	.39976	.00183	.00009	-.00070	1.6934	-.00006	-.00035
#2	.01136	.21704	-.00212	.39926	.00244	.00002	.00073	1.7439	.00015	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02383**	**.04187**	**.01859**	**33.888**	**.01680**	**5.7539**	**.00076**	**.01267**	RW **1988.0**	**.24224**
Stddev	.00011	.00044	.00073	.701	.00005	.0592	.00002	.00010	34.3	.00103
%RSD	.45673	1.0522	3.9443	2.0673	.30298	1.0294	2.3220	.77747	1.7275	.42635
#1	.02390	.04156	.01808	33.393	.01676	5.7120	.00077	.01274	1963.8	.24297
#2	.02375	.04219	.01911	34.384	.01684	5.7958	.00075	.01261	2012.3	.24151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **200.64**	**-.00035**	F **853.31**	**.00888**	**.00217**	**6.0209**	**12.885**	**.00126**	**.00743**	**.00057**
Stddev	.70	.00083	2.02	.00052	.00016	.1306	.280	.00075	.00006	.00081
%RSD	.34689	239.62	.23622	5.8066	7.4231	2.1699	2.1699	59.519	.85974	141.69
#1	201.13	.00024	854.73	.00925	.00229	5.9286	12.687	.00073	.00738	.00000
#2	200.15	-.00093	851.88	.00852	.00206	6.1133	13.083	.00180	.00747	.00114
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00006**	**-.01694**	**.00127**	**.00728**	**-.00119**
Stddev	.00031	.00036	.05279	.00009	.00026	.00259
%RSD	147.98	575.55	311.65	7.2736	3.6231	217.77
#1	.00043	-.00032	-.05427	.00134	.00747	-.00302
#2	-.00001	.00019	.02039	.00121	.00710	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6215.1**	**67485.**	**6485.0**
Stddev	30.1	508.	83.9
%RSD	.48463	.75249	1.2937
#1	6193.8	67844.	6544.4
#2	6236.4	67126.	6425.7

Sample Name: 280-49081-a-4-a Acquired: 11/15/2013 0:47:55 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01960**	**.07447**	**-.00076**	**.48556**	**.00171**	**.00001**	**.00290**	**2.3598**	**-.00020**	**-.00045**
Stddev	.00033	.00021	.00192	.00059	.00001	.00017	.00013	.0252	.00005	.00013
%RSD	1.7025	.28137	250.73	.12090	.36013	1286.1	4.3205	1.0686	27.259	29.270
#1	.01936	.07461	.00059	.48514	.00171	.00013	.00281	2.3777	-.00016	-.00055
#2	.01983	.07432	-.00212	.48597	.00170	-.00011	.00298	2.3420	-.00024	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01118**	**.05061**	**.01748**	**43.487**	**.03188**	**4.8532**	**.00079**	**.08419**	RW **4693.3**	**.47953**
Stddev	.00023	.00028	.00016	.295	.00024	.0043	.00010	.00004	7.8	.00005
%RSD	2.0892	.55235	.92701	.67773	.75684	.08973	12.356	.04994	.16629	.01046
#1	.01102	.05081	.01760	43.279	.03205	4.8563	.00086	.08422	4698.9	.47956
#2	.01135	.05042	.01737	43.696	.03171	4.8501	.00072	.08417	4687.8	.47949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **215.93**	**-.00034**	F **1070.0**	**.00652**	**.00112**	**6.6915**	**14.320**	**.00068**	**.01029**	**.00161**
Stddev	.09	.00036	1.4	.00068	.00420	.0244	.052	.00044	.00003	.00205
%RSD	.04039	106.41	.13246	10.489	376.35	.36506	.36506	64.847	.32650	127.32
#1	215.87	-.00060	1069.0	.00700	.00409	6.7088	14.357	.00037	.01032	.00016
#2	215.99	-.00008	1071.0	.00603	-.00185	6.6742	14.283	.00099	.01027	.00306
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00057**	**-.02394**	**.00128**	**.00892**	**.00082**
Stddev	.00022	.00065	.00281	.00015	.00012	.00129
%RSD	345.68	113.24	11.734	11.419	1.3655	156.46
#1	-.00009	.00103	-.02592	.00138	.00884	.00173
#2	.00022	.00011	-.02195	.00117	.00901	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5841.8**	**63556.**	**6298.2**
Stddev	1.6	246.	43.7
%RSD	.02774	.38652	.69310
#1	5842.9	63382.	6267.4
#2	5840.6	63729.	6329.1

Sample Name: 280-49081-a-5-a Acquired: 11/15/2013 0:50:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03711**	**.04348**	**.00208**	**2.5739**	**.00162**	**-.00002**	**.00367**	**1.2973**	**.00121**	**.00025**
Stddev	.00012	.00034	.00151	.0028	.00009	.00003	.00038	.0156	.00003	.00012
%RSD	.31121	.78906	72.476	.10733	5.3913	134.33	10.377	1.2004	2.8088	49.044
#1	.03719	.04373	.00101	2.5720	.00169	-.00005	.00394	1.2863	.00119	.00033
#2	.03703	.04324	.00314	2.5759	.00156	.00000	.00340	1.3083	.00124	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.01931**	**.01607**	**53.825**	**.03787**	**4.4284**	**.00042**	**.02100**	RW **5926.9**	**.47844**
Stddev	.00005	.00051	.00098	.833	.00071	.0217	.00001	.00004	62.8	.00069
%RSD	1.7167	2.6291	6.0980	1.5470	1.8671	.48924	2.5859	.17043	1.0594	.14511
#1	.00289	.01895	.01537	53.236	.03737	4.4131	.00042	.02103	5882.6	.47893
#2	.00296	.01967	.01676	54.414	.03837	4.4437	.00043	.02098	5971.3	.47795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **867.40**	**-.00017**	F **1330.9**	**.01331**	**.00280**	**5.6279**	**12.044**	**-.00011**	**.00546**	**.00197**
Stddev	5.99	.00033	3.5	.00127	.00485	.0935	.200	.00039	.00018	.00221
%RSD	.69034	187.95	.26633	9.5627	173.29	1.6611	1.6611	369.09	3.2328	112.08
#1	871.64	.00006	1328.4	.01241	-.00063	5.5618	11.902	-.00038	.00533	.00354
#2	863.17	-.00040	1333.4	.01421	.00623	5.6940	12.185	.00017	.00558	.00041
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00042**	**-.03098**	**.00265**	**.00702**	**-.00082**
Stddev	.00052	.00034	.03241	.00030	.00016	.00149
%RSD	168.11	80.282	104.63	11.395	2.2483	182.35
#1	.00006	.00066	-.05390	.00243	.00691	-.00187
#2	-.00068	.00018	-.00806	.00286	.00714	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5777.5**	**62452.**	**6190.3**
Stddev	23.9	393.	23.3
%RSD	.41375	.62953	.37715
#1	5760.6	62730.	6206.9
#2	5794.4	62174.	6173.8

Sample Name: 280-49081-a-6-a Acquired: 11/15/2013 0:54:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04502**	**.16837**	**.00935**	**2.7522**	**.00326**	**.00018**	**.00393**	**2.3981**	**.00248**	**.00098**
Stddev	.00093	.00164	.00049	.0085	.00041	.00003	.00225	.0667	.00018	.00024
%RSD	2.0768	.97496	5.2928	.30904	12.580	19.017	57.200	2.7799	7.2943	24.723
#1	.04568	.16721	.00900	2.7462	.00297	.00016	.00552	2.3510	.00261	.00080
#2	.04436	.16953	.00970	2.7582	.00355	.00020	.00234	2.4452	.00235	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01831**	**.16539**	**.02314**	W **101.70**	**.09168**	**5.2692**	**.00088**	**.03969**	RF **12657.**	**.78394**
Stddev	.00004	.00059	.00198	5.13	.00477	.0270	.00009	.00006	1018.	.00233
%RSD	.22160	.35470	8.5680	5.0460	5.2042	.51248	10.206	.14116	8.0412	.29743
#1	.01834	.16581	.02174	98.068	.08831	5.2501	.00094	.03973	11938.	.78229
#2	.01828	.16498	.02454	105.32	.09505	5.2883	.00081	.03965	13377.	.78559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00					10000.	
Low Limit				-.50000					9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1053.0**	**-.00103**	F **2379.4**	**.01373**	**.00649**	**7.8054**	**16.704**	**.00426**	**.01039**	**.00181**
Stddev	10.3	.00138	1.4	.00096	.00078	.2288	.490	.00119	.00033	.00003
%RSD	.97861	134.32	.05839	6.9789	12.092	2.9306	2.9306	27.865	3.1835	1.6777
#1	1045.7	-.00005	2380.4	.01305	.00704	7.6437	16.357	.00510	.01016	.00179
#2	1060.3	-.00200	2378.4	.01441	.00593	7.9672	17.050	.00342	.01063	.00183
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00092**	**-.03057**	**.00153**	**.01143**	**-.00025**
Stddev	.00010	.00157	.00544	.00014	.00020	.00162
%RSD	32.557	170.71	17.792	9.1982	1.7683	651.23
#1	.00037	.00019	-.03442	.00163	.01129	.00089
#2	.00023	-.00203	-.02672	.00143	.01157	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5248.0**	**55871.**	**6079.3**
Stddev	3.9	179.	192.5
%RSD	.07392	.31991	3.1667
#1	5245.3	55997.	6215.4
#2	5250.8	55745.	5943.2

Sample Name: 280-49081-a-7-a Acquired: 11/15/2013 0:57:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05772**	**.13367**	**.00355**	**2.4088**	**.00148**	**-.00003**	**.00294**	**1.4624**	**.00161**	**.00062**
Stddev	.00100	.00206	.00102	.0244	.00039	.00014	.00073	.1025	.00002	.00015
%RSD	1.7253	1.5384	28.884	1.0146	26.387	461.08	24.727	7.0055	1.0541	23.240
#1	.05701	.13222	.00427	2.3916	.00120	.00007	.00346	1.3899	.00163	.00052
#2	.05842	.13513	.00282	2.4261	.00175	-.00013	.00243	1.5348	.00160	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02071**	**.03979**	**.01214**	W **107.41**	**.04038**	**3.0473**	**.00064**	**.02210**	RW **7977.6**	**.62383**
Stddev	.00021	.00054	.00202	7.95	.00157	.0340	.00004	.00010	525.5	.00849
%RSD	1.0125	1.3466	16.646	7.4010	3.8846	1.1171	6.1431	.43566	6.5876	1.3611
#1	.02056	.03941	.01071	101.79	.03927	3.0232	.00061	.02204	7606.0	.61782
#2	.02085	.04017	.01357	113.03	.04149	3.0713	.00067	.02217	8349.3	.62983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **991.68**	**-.00089**	F **1923.7**	**.00622**	**.00585**	**6.6756**	**14.286**	**.00182**	**.00596**	**.00096**
Stddev	6.63	.00174	3.6	.00099	.00447	.4624	.990	.00174	.00039	.00083
%RSD	.66823	196.24	.18776	15.905	76.498	6.9266	6.9266	95.817	6.5244	86.181
#1	986.99	-.00212	1921.2	.00552	.00269	6.3486	13.586	.00305	.00569	.00155
#2	996.36	.00034	1926.3	.00692	.00901	7.0025	14.985	.00059	.00624	.00038
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00013**	**-.01955**	**.00122**	**.00720**	**-.00001**
Stddev	.00031	.00125	.00761	.00051	.00010	.00110
%RSD	862.07	984.37	38.898	41.886	1.4530	18664.
#1	-.00019	.00076	-.01418	.00159	.00713	-.00079
#2	.00026	-.00101	-.02493	.00086	.00727	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5413.3**	**59588.**	**6310.2**
Stddev	43.8	549.	298.0
%RSD	.80965	.92081	4.7232
#1	5444.3	59976.	6520.9
#2	5382.3	59200.	6099.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:00:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00724**	**48.719**	**.00097**	**.01057**	**.00038**	**-.00004**	W **1.0722**	**.01438**	**.00085**	**-.00093**	**.00033**	**-.00708**
Stddev	.00010	.249	.00105	.00018	.00009	.00002	.0032	.00336	.00025	.00004	.00008	.00050
%RSD	1.3220	.51171	107.64	1.6614	23.327	46.866	.30143	23.379	29.988	4.2997	25.029	7.0668
#1	-.00731	48.895	.00023	.01045	.00032	-.00005	1.0745	.01200	.00067	-.00095	.00039	-.00744
#2	-.00717	48.543	.00171	.01069	.00045	-.00003	1.0699	.01676	.00103	-.00090	.00028	-.00673
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.244**	**1.0161**	**.00307**	**.05323**	**-.00017**	**.00023**	**257.25**	**-.00103**	**.49668**	**-.00258**	F **5.5628**	**-.00017**
Stddev	.167	.0549	.00120	.00093	.00006	.00034	4.05	.00053	.48043	.00055	.2690	.00070
%RSD	.32590	5.4025	39.163	1.7506	34.852	144.73	1.5734	50.967	96.727	21.309	4.8362	409.97
#1	51.362	1.0549	.00222	.05257	-.00013	-.00001	260.11	-.00141	.15697	-.00219	5.3726	.00033
#2	51.126	.97730	.00392	.05389	-.00021	.00047	254.38	-.00066	.83640	-.00296	5.7531	-.00067
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00475**	**.00576**	**.01233**	**.00007**	**-.00005**	**5.0930**	**.01384**	**.00166**	F **8.3113**	**.00104**	**.00264**	**-.07746**
Stddev	.00200	.02429	.05197	.00017	.00006	.0010	.00021	.00015	.0836	.00008	.00001	.00152
%RSD	42.056	421.57	421.57	232.36	109.81	.01992	1.5162	8.8290	1.0060	7.3486	.51413	1.9613
#1	-.00334	.02293	.04908	.00019	-.00001	5.0937	.01369	.00156	8.2522	.00098	.00265	-.07853
#2	-.00616	-.01141	-.02442	-.00005	-.00009	5.0922	.01398	.00177	8.3705	.00109	.00263	-.07638
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6774.0**	**75530.**	**6393.9**
Stddev	29.2	322.	18.8
%RSD	.43081	.42573	.29423
#1	6753.4	75302.	6380.6
#2	6794.7	75757.	6407.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:02:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .55031	.54344	1.0577	.53965	.51201	.47043	-.01012	4.6330	.48799	.50731	.54316	.50626
Stddev	.00020	.00101	.0022	.00054	.00029	.00133	.00055	.0062	.00002	.00041	.00103	.00284
%RSD	.03720	.18572	.20463	.10038	.05635	.28338	5.4749	.13416	.00378	.08160	.18991	.56167
#1	.55046	.54416	1.0592	.53927	.51221	.46949	-.00973	4.6286	.48800	.50761	.54243	.50425
#2	.55017	.54273	1.0562	.54004	.51180	.47138	-.01051	4.6374	.48798	.50702	.54389	.50827
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6065	49.037	1.0097	20.841	.50117	.52891	F 7.4861	.54914	F 1.1072	.96135	.22038	1.0228
Stddev	.0023	.116	.0023	.055	.00100	.00072	.0011	.00080	.0014	.00426	.00219	.0005
%RSD	.08829	.23624	.22371	.26599	.19984	.13525	.01469	.14550	.12797	.44359	.99595	.05196
#1	2.6048	49.119	1.0081	20.880	.50188	.52841	7.4854	.54858	1.1082	.95834	.22194	1.0232
#2	2.6081	48.955	1.0113	20.802	.50047	.52942	7.4869	.54971	1.1062	.96437	.21883	1.0224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value							5.0000		1.0000			
Range							10.490%		10.490%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0736	5.1234	10.964	1.0455	.49555	.00612	.51395	1.0026	-.06223	.48741	.52235	.48555
Stddev	.0053	.0098	.021	.0026	.00086	.00150	.00174	.0019	.01662	.00001	.00261	.00042
%RSD	.49393	.19064	.19064	.25083	.17266	24.530	.33803	.19362	26.706	.00203	.50025	.08663
#1	1.0698	5.1303	10.979	1.0436	.49615	.00506	.51517	1.0012	-.07398	.48742	.52420	.48525
#2	1.0773	5.1165	10.949	1.0473	.49494	.00718	.51272	1.0039	-.05048	.48741	.52051	.48585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6777.1	75812.	6230.2
Stddev	11.8	286.	28.3
%RSD	.17461	.37782	.45472
#1	6768.8	75609.	6250.3
#2	6785.5	76014.	6210.2

Sample Name: CCB Acquired: 11/15/2013 1:05:01 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00109**	**-.00085**	**.00067**	F **.00707**	**.00053**	**.00008**	**.00230**	**-.00334**	**-.00006**	**-.00005**	**-.00008**
Stddev	.00034	.00155	.00116	.00041	.00040	.00003	.00187	.00121	.00001	.00002	.00011
%RSD	31.296	181.22	174.48	5.8320	75.111	37.197	81.292	36.330	17.813	47.707	134.29
#1	-.00134	.00024	.00149	.00736	.00025	.00006	.00363	-.00420	-.00006	-.00006	.00000
#2	-.00085	-.00195	-.00016	.00678	.00081	.00010	.00098	-.00248	-.00005	-.00003	-.00016
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**-.00069**	F **.48156**	**.00022**	**.00326**	**.00011**	**.00025**	F **1.8956**	**-.00010**	F **.02767**	**-.00026**
Stddev	.00062	.00153	.00073	.00078	.00151	.00002	.00006	.0214	.00062	.00097	.00054
%RSD	76.083	220.47	.15227	347.03	46.164	15.319	25.059	1.1279	604.92	3.5241	207.23
#1	-.00125	.00039	.48208	.00077	.00220	.00010	.00021	1.9107	-.00054	.02835	.00012
#2	-.00038	-.00177	.48104	-.00033	.00433	.00012	.00030	1.8805	.00034	.02698	-.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			.25000					.18320		.02700	
Low Limit			-.25000					-.18320		-.02700	

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18151**	F **.00691**	**.00069**	**.00534**	**.01143**	**-.00020**	**-.00016**	**.00491**	**.00017**	**.00133**	**-.04136**
Stddev	.00607	.00083	.00092	.01018	.02179	.00071	.00018	.00091	.00003	.00062	.01887
%RSD	3.3438	11.977	133.03	190.60	190.60	357.66	111.67	18.483	17.983	46.083	45.614
#1	.18580	.00632	.00004	.01254	.02684	-.00070	-.00003	.00555	.00019	.00177	-.05470
#2	.17721	.00749	.00134	-.00186	-.00398	.00030	-.00029	.00426	.00015	.00090	-.02802
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00020**	**.00324**	**-.00155**
Stddev	.00031	.00015	.00068
%RSD	157.19	4.6072	43.722
#1	.00042	.00335	-.00107
#2	-.00002	.00314	-.00203
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6774.6**	**76398.**	**6236.0**
Stddev	.5	11.	32.9
%RSD	.00748	.01418	.52823
#1	6774.9	76406.	6212.8
#2	6774.2	76391.	6259.3

Sample Name: CCVL2379751 Acquired: 11/15/2013 1:07:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00983**	**.11236**	**.01662**	**.11142**	**.01078**	**.00096**	**.12134**	**.18380**	**.00476**	**.01032**	**.01111**	**.01427**	**.10729**
Stddev	.00034	.00022	.00002	.00035	.00030	.00007	.00214	.00183	.00010	.00015	.00012	.00036	.00116
%RSD	3.5076	.19869	.11782	.31195	2.7481	7.6029	1.7598	.99544	2.0536	1.4750	1.0866	2.5028	1.0823
#1	.01007	.11220	.01663	.11166	.01057	.00091	.11983	.18251	.00469	.01021	.01120	.01402	.10811
#2	.00958	.11252	.01660	.11117	.01099	.00101	.12285	.18510	.00483	.01043	.01103	.01452	.10647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2780**	**.00952**	**.21652**	**.01022**	**.02065**	F **2.7280**	**.04467**	**3.1372**	**.00819**	**.12588**	**.00981**	**.01478**	**.50172**
Stddev	.0029	.00073	.00206	.00000	.00021	.0207	.00021	.0091	.00109	.00148	.00043	.00487	.00219
%RSD	.08812	7.6398	.95206	.04761	1.0364	.75718	.46594	.29106	13.349	1.1720	4.3708	32.947	.43554
#1	3.2800	.00901	.21798	.01022	.02080	2.7426	.04482	3.1437	.00742	.12483	.00951	.01823	.50017
#2	3.2759	.01004	.21506	.01022	.02050	2.7134	.04453	3.1308	.00897	.12692	.01011	.01134	.50326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0737**	**.10737**	**.00989**	**.01696**	**.00987**	**.01633**	**.05716**	**.01000**	**.02491**	**.01269**
Stddev	.0047	.00081	.00010	.00136	.00001	.00024	.01170	.00071	.00024	.00168
%RSD	.43554	.75375	.96573	8.0178	.15065	1.4628	20.476	7.1343	.98034	13.225
#1	1.0704	.10680	.00983	.01792	.00986	.01650	.04888	.00949	.02509	.01151
#2	1.0770	.10794	.00996	.01600	.00988	.01616	.06544	.01050	.02474	.01388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6990.0**	**78431.**	**6309.5**
Stddev	34.2	317.	13.2
%RSD	.48949	.40430	.20909
#1	6965.8	78207.	6300.1
#2	7014.2	78655.	6318.8

Sample Name: mb 280-200881/1-a Acquired: 11/15/2013 1:09:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00084	.00253	-.00110	W .00444	.00025	-.00001	.00513	.00437	-.00011	-.00022
Stddev	.00020	.00038	.00154	.00001	.00040	.00002	.00170	.00011	.00001	.00001
%RSD	23.360	14.897	140.37	.30314	158.83	337.93	33.251	2.4406	13.203	2.9750
#1	-.00070	.00227	-.00219	.00443	-.00003	-.00002	.00392	.00429	-.00012	-.00022
#2	-.00098	.00280	-.00001	.00445	.00053	.00001	.00633	.00444	-.00010	-.00022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.00067	.00295	W .34290	.00029	.00247	.00012	-.00004	F 1.3028	-.00003
Stddev	.00035	.00005	.00088	.00897	.00178	.00206	.00005	.00012	.0037	.00058
%RSD	375.75	7.3363	29.926	2.6154	607.87	83.738	45.676	319.38	.28380	2176.1
#1	.00034	-.00070	.00358	.33656	-.00097	.00101	.00016	-.00012	1.3054	.00039
#2	-.00015	-.00063	.00233	.34924	.00155	.00393	.00008	.00005	1.3002	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.32279					1.0000	
Low Limit				-1.0000					-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01598	-.00041	F .13638	.00177	-.00054	.00823	.01760	-.00099	-.00020	W .00174
Stddev	.00135	.00012	.00477	.00091	.00070	.00043	.00091	.00018	.00002	.00165
%RSD	8.4704	30.788	3.4990	51.728	130.30	5.1908	5.1908	18.343	10.002	94.713
#1	.01694	-.00032	.13975	.00241	-.00103	.00792	.01696	-.00112	-.00018	.00291
#2	.01502	-.00049	.13300	.00112	-.00004	.00853	.01825	-.00086	-.00021	.00058
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit	.01000		.01000							.00000
Low Limit	-.01000		-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00077	-.00924	.00015	.00321	-.00131
Stddev	.00009	.00042	.00071	.00039	.00018	.00092
%RSD	147.47	53.813	7.6330	254.15	5.7661	70.634
#1	.00012	.00107	-.00974	.00043	.00334	-.00065
#2	.00000	.00048	-.00874	-.00012	.00308	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6974.4	79119.	6454.7
Stddev	20.6	296.	15.8
%RSD	.29518	.37407	.24495
#1	6959.9	78909.	6443.5
#2	6989.0	79328.	6465.8

Sample Name: lcs 280-200881/2-a Acquired: 11/15/2013 1:12:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05351	2.0454	1.0682	1.1027	2.0478	.04749	2.1852	45.214	.09749	.49293
Stddev	.00073	.0129	.0048	.0109	.0071	.00009	.0149	.243	.00057	.00204
%RSD	1.3682	.63098	.44645	.99246	.34636	.18565	.68116	.53793	.58734	.41332
#1	.05299	2.0362	1.0648	1.0949	2.0427	.04743	2.1747	45.042	.09708	.49149
#2	.05403	2.0545	1.0715	1.1104	2.0528	.04756	2.1958	45.386	.09789	.49437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21847	.25130	1.0425	49.399	1.0192	51.740	.49069	1.0702	51.950	.53493
Stddev	.00146	.00163	.0008	.452	.0020	.259	.00251	.0029	.409	.00352
%RSD	.66730	.64947	.07824	.91500	.19337	.49970	.51244	.26671	.78761	.65771
#1	.21744	.25245	1.0420	49.079	1.0178	51.923	.49247	1.0682	51.661	.53244
#2	.21950	.25015	1.0431	49.718	1.0206	51.557	.48891	1.0722	52.240	.53742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.818	.46449	.18141	.52212	2.1768	10.435	22.331	2.1032	.99211	1.0161
Stddev	.071	.00326	.04653	.00024	.0110	.024	.051	.0072	.00353	.0063
%RSD	.65776	.70107	25.649	.04658	.50282	.22970	.22970	.34200	.35544	.61856
#1	10.768	.46219	.14851	.52194	2.1690	10.418	22.295	2.0981	.98962	1.0206
#2	10.868	.46679	.21432	.52229	2.1845	10.452	22.367	2.1083	.99460	1.0117
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0413	1.9307	F 3.3124	.48365	.50683	.47852
Stddev	.0053	.0022	.0044	.00341	.00035	.00239
%RSD	.50752	.11534	.13156	.70537	.06901	.49932
#1	1.0450	1.9322	3.3155	.48606	.50658	.47683
#2	1.0375	1.9291	3.3093	.48124	.50707	.48021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6687.5	75444.	6396.5
Stddev	29.6	389.	6.1
%RSD	.44291	.51513	.09499
#1	6708.4	75718.	6392.2
#2	6666.5	75169.	6400.8

Sample Name: 280-49163-c-1-d Acquired: 11/15/2013 1:14:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.17701**	**-.00009**	**.02772**	**.07945**	**.00007**	**.00273**	**51.801**	**.00021**	**.00000**
Stddev	.00007	.00715	.00018	.00239	.00039	.00005	.00179	.059	.00025	.0004
%RSD	4.8223	4.0397	192.33	8.6184	.48470	64.262	65.667	.11387	116.66	15417.
#1	-.00154	.17195	-.00022	.02603	.07918	.00004	.00146	51.843	.00004	-.00027
#2	-.00144	.18207	.00003	.02941	.07972	.00010	.00400	51.759	.00038	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00025**	**.28351**	**1.9655**	**.00370**	**17.184**	**.10072**	**.00210**	**60.848**	**.00114**
Stddev	.00014	.00045	.00043	.0460	.00005	.018	.00000	.00039	.008	.00139
%RSD	39.322	182.23	.15049	2.3402	1.3131	.10418	.00031	18.431	.01234	122.34
#1	.00026	-.00056	.28382	1.9330	.00373	17.171	.10072	.00183	60.842	.00015
#2	.00045	.00007	.28321	1.9980	.00366	17.197	.10072	.00238	60.853	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9907**	**-.00144**	**24.451**	**-.00001**	**-.00109**	**5.5174**	**11.807**	**-.00053**	**.79886**	**.00466**
Stddev	2.6281	.00070	2.191	.00163	.00217	.0284	.061	.00070	.00109	.00033
%RSD	132.02	48.573	8.9608	13560.	199.73	.51479	.51479	133.05	.13611	7.1091
#1	.13239	-.00193	22.902	-.00116	.00045	5.4973	11.764	-.00103	.79963	.00490
#2	3.8491	-.00094	26.000	.00114	-.00262	5.5375	11.850	-.00003	.79809	.00443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.00349**	**-.04901**	**.00149**	**.00500**	**.00084**
Stddev	.00002	.00049	.01798	.00008	.00011	.00175
%RSD	.33895	13.943	36.686	5.5942	2.1949	207.85
#1	.00451	.00315	-.06172	.00143	.00492	.00208
#2	.00449	.00384	-.03629	.00155	.00508	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6754.7**	**75956.**	**6368.7**
Stddev	10.0	184.	16.0
%RSD	.14732	.24194	.25066
#1	6761.8	76086.	6357.4
#2	6747.7	75826.	6380.0

Sample Name: 280-49163-c-2-b Acquired: 11/15/2013 1:16:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.02523**	**-.00177**	**.02305**	**.07181**	**.00002**	**.00200**	**48.225**	**.00016**	**-.00018**
Stddev	.00051	.00009	.00028	.00001	.00006	.00002	.00091	.139	.00006	.00012
%RSD	41.214	.37267	16.094	.02219	.08708	102.14	45.350	.28801	38.504	65.777
#1	-.00088	.02516	-.00157	.02304	.07185	.00004	.00136	48.323	.00020	-.00009
#2	-.00160	.02530	-.00197	.02305	.07176	.00001	.00264	48.127	.00012	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00035**	**.13654**	**1.7934**	**.00321**	**14.796**	**.06358**	**.00155**	**60.647**	**.00049**
Stddev	.00006	.00034	.00495	.0158	.00265	.085	.00032	.00010	.279	.00002
%RSD	155.67	97.165	3.6275	.87924	82.723	.57158	.49622	6.3273	.46040	3.3609
#1	.00000	-.00011	.13304	1.8046	.00133	14.736	.06336	.00148	60.845	.00048
#2	-.00008	-.00060	.14004	1.7823	.00508	14.856	.06380	.00162	60.450	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01959**	**.00006**	**21.101**	**.00055**	**.00342**	**5.6070**	**11.999**	**-.00021**	**.71356**	**.00238**
Stddev	.00899	.00000	.026	.00121	.00504	.0079	.017	.00044	.00146	.00051
%RSD	45.888	7.1620	.12196	219.81	147.19	.14038	.14038	210.24	.20437	21.258
#1	.02595	.00006	21.082	.00140	-.00014	5.6125	12.011	.00010	.71253	.00202
#2	.01324	.00006	21.119	-.00030	.00698	5.6014	11.987	-.00052	.71459	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00008**	**-.03334**	**-.00013**	**.00406**	**-.00165**
Stddev	.00014	.00108	.02074	.00003	.00006	.00082
%RSD	25.503	1350.5	62.211	26.777	1.3549	49.871
#1	.00065	-.00084	-.04800	-.00015	.00402	-.00223
#2	.00045	.00068	-.01867	-.00010	.00410	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6781.1**	**76004.**	**6339.1**
Stddev	6.6	680.	77.0
%RSD	.09705	.89449	1.2142
#1	6776.5	76485.	6284.7
#2	6785.8	75523.	6393.5

Sample Name: 280-49163-c-2-bSD@5 Acquired: 11/15/2013 1:19:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**.01089**	**.00048**	**.00704**	**.01471**	**.00002**	**.00399**	**9.6564**	**-.00025**	**-.00011**
Stddev	.00002	.00012	.00266	.00025	.00030	.00002	.00105	.0016	.00000	.00015
%RSD	1.0961	1.1403	557.27	3.4881	2.0411	68.077	26.219	.01674	.70437	134.96
#1	-.00165	.01097	-.00140	.00721	.01493	.00001	.00473	9.6575	-.00025	-.00022
#2	-.00162	.01080	.00236	.00686	.01450	.00004	.00325	9.6553	-.00025	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00057**	**.03884**	**.53151**	**.00237**	**2.9848**	**.01284**	**.00011**	**12.149**	**.00006**
Stddev	.00002	.00001	.00096	.03030	.00071	.0100	.00002	.00013	.208	.00007
%RSD	14.513	1.7022	2.4780	5.7009	29.937	.33360	.18264	122.67	1.7159	115.98
#1	.00016	-.00056	.03952	.55294	.00287	2.9777	.01282	.00020	12.002	.00011
#2	.00013	-.00058	.03816	.51009	.00187	2.9918	.01286	.00001	12.296	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00511**	**-.00026**	**4.1469**	**-.00128**	**.00138**	**1.0856**	**2.3232**	**.00100**	**.14228**	**.00406**
Stddev	.00060	.00012	.0204	.00200	.00132	.0141	.0302	.00022	.00019	.00072
%RSD	11.720	43.761	.49104	156.26	95.765	1.3012	1.3012	21.679	.13345	17.807
#1	.00554	-.00035	4.1325	.00013	.00044	1.0756	2.3019	.00115	.14242	.00457
#2	.00469	-.00018	4.1613	-.00269	.00231	1.0956	2.3446	.00084	.14215	.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00008**	**-.04267**	**-.00043**	**.00527**	**.00006**
Stddev	.00007	.00126	.00969	.00063	.00003	.00097
%RSD	24.403	1510.7	22.708	147.87	.62779	1570.3
#1	.00024	-.00097	-.04953	-.00087	.00529	.00075
#2	.00035	.00081	-.03582	.00002	.00524	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.2**	**78095.**	**6369.6**
Stddev	17.3	87.	6.5
%RSD	.25068	.11176	.10222
#1	6893.4	78033.	6374.2
#2	6869.0	78157.	6365.0

Sample Name: 280-49163-c-2-c ms Acquired: 11/15/2013 1:21:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05292	2.0061	1.0627	1.1000	2.0834	.04657	F 2.1419	90.927	.09612	.48049
Stddev	.00008	.0034	.0083	.0017	.0015	.00038	.0006	.146	.00008	.00082
%RSD	.16031	.16888	.78005	.15581	.07121	.81553	.02569	.16019	.08296	.17013
#1	.05298	2.0037	1.0568	1.0988	2.0845	.04631	2.1423	90.824	.09606	.47991
#2	.05286	2.0085	1.0686	1.1012	2.0824	.04684	2.1415	91.030	.09617	.48107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21280	.24862	1.1458	50.597	1.0160	65.019	.54099	1.0536	107.97	.51890
Stddev	.00007	.00106	.0037	.118	.0023	.131	.00024	.0002	.21	.00022
%RSD	.03359	.42656	.32557	.23414	.22975	.20207	.04521	.01747	.19284	.04164
#1	.21275	.24787	1.1484	50.514	1.0143	64.926	.54082	1.0534	108.11	.51875
#2	.21285	.24937	1.1432	50.681	1.0177	65.111	.54116	1.0537	107.82	.51906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.817	.45085	20.846	.51417	2.1506	15.688	33.573	W 2.0450	1.6737	.99718
Stddev	.005	.00098	.005	.00241	.0044	.056	.120	.0042	.0016	.00229
%RSD	.04735	.21741	.02433	.46783	.20662	.35812	.35812	.20408	.09682	.22959
#1	10.813	.45016	20.850	.51587	2.1538	15.648	33.488	2.0421	1.6725	.99556
#2	10.821	.45154	20.843	.51247	2.1475	15.728	33.658	2.0480	1.6748	.99880
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0264	1.8437	3.2468	.47995	.49603	.47037
Stddev	.0001	.0080	.0512	.00107	.00145	.00187
%RSD	.00953	.43445	1.5754	.22276	.29260	.39761
#1	1.0263	1.8380	3.2830	.48070	.49501	.46905
#2	1.0264	1.8493	3.2107	.47919	.49706	.47170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6664.9	75202.	6417.0
Stddev	5.2	67.	7.3
%RSD	.07775	.08973	.11421
#1	6668.6	75250.	6411.8
#2	6661.2	75155.	6422.2

Sample Name: 280-49163-c-2-d msd Acquired: 11/15/2013 1:23:28 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05269**	**1.9995**	**1.0598**	**1.0975**	**2.0814**	**.04713**	F **2.1386**	**91.286**	**.09631**	**.47693**
Stddev	.00039	.0010	.0053	.0101	.0003	.00011	.0109	.046	.00084	.00054
%RSD	.74404	.04783	.49840	.91820	.01479	.22282	.51109	.05054	.87202	.11235
#1	.05241	1.9988	1.0561	1.0904	2.0812	.04706	2.1309	91.318	.09572	.47655
#2	.05297	2.0001	1.0635	1.1046	2.0816	.04721	2.1463	91.253	.09691	.47731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21250**	**.24824**	**1.1590**	**50.657**	**1.0108**	**64.940**	**.53975**	**1.0479**	**108.76**	**.51741**
Stddev	.00187	.00094	.0037	.127	.0016	.197	.00002	.0024	.02	.00404
%RSD	.87983	.37681	.31751	.25094	.15544	.30358	.00436	.23216	.01787	.78123
#1	.21118	.24890	1.1564	50.747	1.0119	65.079	.53973	1.0462	108.75	.51455
#2	.21382	.24758	1.1616	50.567	1.0097	64.800	.53977	1.0496	108.78	.52027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.744**	**.44796**	**20.864**	**.51581**	**2.1473**	**15.954**	**34.142**	W **2.0421**	**1.6782**	**.99208**
Stddev	.001	.00284	.049	.00160	.0148	.093	.198	.0137	.0012	.00142
%RSD	.01012	.63337	.23672	.31037	.68784	.58028	.58028	.67238	.06823	.14299
#1	10.743	.44595	20.829	.51468	2.1368	15.889	34.002	2.0324	1.6790	.99107
#2	10.745	.44996	20.899	.51694	2.1577	16.020	34.282	2.0518	1.6774	.99308
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0240**	**1.8394**	**3.2596**	**.47913**	**.49320**	**.47661**
Stddev	.0000	.0139	.0253	.00081	.00258	.00092
%RSD	.00208	.75330	.77481	.16891	.52275	.19304
#1	1.0240	1.8296	3.2774	.47856	.49502	.47726
#2	1.0240	1.8492	3.2417	.47970	.49137	.47596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.1**	**74696.**	**6436.4**
Stddev	22.6	76.	14.2
%RSD	.33907	.10108	.22073
#1	6682.1	74643.	6426.4
#2	6650.2	74750.	6446.5

Sample Name: 280-49163-c-3-b Acquired: 11/15/2013 1:25:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.53840**	**-.00195**	**.01960**	**.07613**	**.00008**	**.00330**	**53.050**	**.00012**	**.00009**
Stddev	.00027	.00267	.00066	.00043	.00047	.00005	.00066	.139	.00007	.00010
%RSD	18.005	.49580	33.717	2.2042	.61943	57.890	19.978	.26133	59.178	110.29
#1	-.00167	.53651	-.00242	.01991	.07646	.00005	.00376	52.952	.00007	.00016
#2	-.00129	.54029	-.00149	.01930	.07579	.00011	.00283	53.148	.00017	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00110**	**.79059**	**2.3196**	**.00346**	**14.405**	**.30910**	**.00103**	**32.840**	**.00078**
Stddev	.00003	.00010	.00602	.0063	.00054	.002	.00016	.00001	.358	.00004
%RSD	5.2107	9.2808	.76097	.27306	15.534	.01426	.05131	1.0032	1.0914	5.3251
#1	.00047	.00117	.79484	2.3241	.00384	14.407	.30921	.00104	33.093	.00075
#2	.00051	.00103	.78633	2.3151	.00308	14.404	.30899	.00102	32.586	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03612**	**-.00032**	**14.012**	**-.00038**	**-.00260**	**6.6379**	**14.205**	**-.00041**	**.73302**	**.00403**
Stddev	.00092	.00044	.005	.00023	.00023	.0478	.102	.00034	.00026	.00007
%RSD	2.5513	136.70	.03626	58.826	8.9907	.71991	.71991	83.545	.03502	1.6158
#1	.03547	-.00001	14.015	-.00022	-.00243	6.6717	14.278	-.00017	.73320	.00399
#2	.03677	-.00063	14.008	-.00054	-.00276	6.6042	14.133	-.00065	.73284	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01524**	**.00248**	**-.02877**	**.00160**	**.00615**	**.00040**
Stddev	.00060	.00114	.05020	.00019	.00008	.00033
%RSD	3.9617	45.944	174.48	12.068	1.3656	82.562
#1	.01482	.00328	.00673	.00174	.00609	.00017
#2	.01567	.00167	-.06427	.00146	.00621	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.8**	**77501.**	**6392.2**
Stddev	9.3	53.	68.5
%RSD	.13670	.06840	1.0717
#1	6808.3	77538.	6440.7
#2	6795.2	77463.	6343.8

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:27:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00794**	**48.828**	**.00005**	**.00425**	**.00045**	**-.00003**	W **1.0703**	**.02400**	**.00069**	**-.00107**	**.00019**	**-.00724**
Stddev	.00058	.095	.00143	.00038	.00023	.00005	.0061	.00402	.00004	.00001	.00005	.00043
%RSD	7.2450	.19466	2850.8	8.9183	50.812	191.46	.57018	16.738	5.7445	.51205	25.049	5.9259
#1	-.00835	48.895	.00106	.00451	.00029	-.00006	1.0659	.02684	.00067	-.00107	.00015	-.00754
#2	-.00754	48.761	-.00096	.00398	.00062	.00001	1.0746	.02116	.00072	-.00107	.00022	-.00694
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.612**	**.21720**	**.00129**	**.05615**	**-.00018**	**.00075**	**254.86**	**-.00119**	**.00431**	**-.00179**	**5.1505**	**-.00088**
Stddev	.589	.01265	.00148	.00387	.00001	.00009	.63	.00017	.00103	.00090	.0160	.00113
%RSD	1.1639	5.8218	114.68	6.8898	3.9069	11.886	.24634	14.365	23.977	50.500	.31159	128.85
#1	50.196	.22614	.00234	.05888	-.00017	.00081	254.42	-.00132	.00504	-.00115	5.1618	-.00008
#2	51.029	.20826	.00024	.05341	-.00018	.00068	255.31	-.00107	.00358	-.00242	5.1391	-.00168
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00768**	**.00799**	**.01711**	**.00030**	**.00012**	**5.1012**	**.01422**	**.00249**	F **8.4042**	**.00065**	**.00253**	**-.07846**
Stddev	.00122	.00104	.00223	.00161	.00001	.0033	.00062	.00116	.0175	.00063	.00054	.00099
%RSD	15.900	13.048	13.048	541.99	9.3778	.06459	4.3960	46.589	.20791	97.424	21.390	1.2633
#1	-.00854	.00726	.01553	-.00084	.00013	5.1035	.01466	.00331	8.4166	.00110	.00291	-.07776
#2	-.00682	.00873	.01868	.00143	.00011	5.0989	.01377	.00167	8.3919	.00020	.00215	-.07917
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6796.3**	**75596.**	**6325.6**
Stddev	17.6	411.	10.6
%RSD	.25857	.54324	.16832
#1	6808.7	75305.	6333.1
#2	6783.8	75886.	6318.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:30:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54871**	**.54732**	**1.0573**	**.53032**	**.50608**	**.46629**	**-.00820**	**4.6517**	**.48467**	**.50412**	**.54058**	**.50356**	**2.6117**
Stddev	.00147	.00006	.0050	.00037	.00459	.00365	.00130	.0310	.00140	.00068	.00164	.00237	.0129
%RSD	.26846	.01016	.47355	.07049	.90617	.78239	15.810	.66608	.28977	.13461	.30337	.47129	.49223
#1	.54767	.54728	1.0538	.53058	.50932	.46887	-.00729	4.6736	.48566	.50460	.54174	.50188	2.6207
#2	.54975	.54736	1.0608	.53005	.50283	.46371	-.00912	4.6298	.48368	.50364	.53942	.50524	2.6026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.411**	**1.0001**	**20.786**	**.49932**	**.52858**	F **5.6086**	**.54476**	**1.0521**	**.96567**	**.06643**	**1.0170**	**1.0733**	**5.1225**
Stddev	.298	.0111	.032	.00040	.00002	.0269	.00068	.0022	.00156	.00320	.0007	.0046	.0314
%RSD	.61633	1.1135	.15187	.08073	.00426	.47963	.12457	.20816	.16149	4.8110	.06442	.42679	.61266
#1	48.622	1.0080	20.808	.49961	.52860	5.6276	.54524	1.0505	.96457	.06417	1.0175	1.0766	5.1447
#2	48.200	.99227	20.764	.49904	.52856	5.5896	.54428	1.0536	.96677	.06869	1.0166	1.0701	5.1003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.962**	**1.0495**	**.49043**	**.00391**	**.51151**	**1.0019**	**-.02050**	**.48629**	**.52194**	**.48760**
Stddev	.067	.0003	.00427	.00155	.00049	.0021	.02150	.00083	.00125	.00354
%RSD	.61266	.02997	.87056	39.760	.09612	.21171	104.91	.17069	.24027	.72588
#1	11.010	1.0493	.49345	.00501	.51186	1.0034	-.00529	.48571	.52283	.49010
#2	10.915	1.0498	.48742	.00281	.51116	1.0004	-.03570	.48688	.52106	.48509
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6816.0**	**76403.**	**6284.3**
Stddev	12.5	183.	41.0
%RSD	.18342	.23920	.65253
#1	6807.2	76274.	6255.3
#2	6824.8	76533.	6313.3

Sample Name: CCB Acquired: 11/15/2013 1:32:28 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00325**	**-.00270**	**.00352**	**.00053**	**-.00003**	**.00399**	**-.00169**	**-.00018**	**-.00016**	**.00007**	**-.00096**
Stddev	.00029	.00075	.00024	.00026	.00011	.00006	.00006	.00093	.00002	.00019	.00009	.00018
%RSD	33.269	23.005	9.0114	7.3857	21.487	191.65	1.5554	54.832	9.4440	117.72	132.64	18.887
#1	-.00067	.00378	-.00252	.00371	.00045	-.00008	.00395	-.00104	-.00017	-.00003	.00000	-.00109
#2	-.00108	.00272	-.00287	.00334	.00061	.00001	.00404	-.00235	-.00019	-.00029	.00014	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.17977**	**.00129**	**.00533**	**.00012**	**.00017**	F **.57464**	**-.00026**	**.00137**	**.00065**	**.06319**	W **.00611**
Stddev	.00135	.01987	.00009	.00188	.00007	.00008	.01266	.00015	.00053	.00038	.00498	.00167
%RSD	345.34	11.054	7.3665	35.305	54.833	43.187	2.2037	56.907	38.438	58.411	7.8884	27.284
#1	-.00134	.16572	.00122	.00666	.00017	.00023	.56568	-.00037	.00100	.00092	.06671	.00494
#2	.00056	.19382	.00135	.00400	.00008	.00012	.58359	-.00016	.00174	.00038	.05966	.00729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00328**	**.00286**	**.00612**	**-.00039**	**-.00010**	**.00368**	**-.00004**	**.00046**	F **-.06427**	**.00032**	**.00338**	**-.00054**
Stddev	.00305	.01254	.02684	.00021	.00002	.00036	.00014	.00013	.02262	.00012	.00039	.00188
%RSD	93.134	438.24	438.24	52.827	23.351	9.8400	353.70	28.065	35.198	36.450	11.463	344.81
#1	.00544	.01173	.02510	-.00024	-.00012	.00394	-.00014	.00037	-.04827	.00024	.00311	-.00187
#2	.00112	-.00601	-.01285	-.00054	-.00008	.00343	.00006	.00055	-.08026	.00041	.00365	.00078
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6764.2**	**76798.**	**6174.8**
Stddev	10.0	50.	62.1
%RSD	.14834	.06473	1.0059
#1	6771.3	76833.	6130.9
#2	6757.1	76762.	6218.7

Sample Name: CCVL2379751 Acquired: 11/15/2013 1:34:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.11920**	**.01640**	**.10867**	**.01120**	**.00100**	**.12043**	**.24636**	**.00465**	**.01045**	**.01103**	**.01417**	F **.14433**
Stddev	.00002	.00010	.00160	.00041	.00003	.00004	.00121	.00104	.00002	.00001	.00006	.00032	.00554
%RSD	.24243	.08338	9.7242	.37534	.28219	3.7986	1.0020	.42270	.38399	.08836	.57284	2.2436	3.8371
#1	.01022	.11913	.01753	.10896	.01122	.00103	.12129	.24562	.00464	.01044	.01108	.01439	.14825
#2	.01019	.11927	.01528	.10839	.01117	.00097	.11958	.24709	.00467	.01046	.01099	.01394	.14042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1194**	**.01205**	**.22389**	**.01077**	**.02085**	F **1.5706**	**.04518**	**3.1359**	**.00883**	**.05120**	**.01146**	**.01326**	**.49977**
Stddev	.0324	.00240	.00079	.00002	.00010	.0057	.00012	.0010	.00019	.00297	.00057	.00104	.01166
%RSD	1.0381	19.915	.35226	.16904	.47439	.36485	.27185	.03137	2.1280	5.7935	5.0064	7.8427	2.3333
#1	3.0965	.01375	.22333	.01076	.02092	1.5746	.04526	3.1366	.00870	.05330	.01106	.01253	.49152
#2	3.1423	.01035	.22445	.01078	.02078	1.5665	.04509	3.1352	.00897	.04910	.01187	.01400	.50801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0695**	**.12055**	**.00988**	**.01760**	**.01051**	**.01607**	**.05853**	**.01002**	F **.03452**	**.01483**
Stddev	.0250	.00044	.00003	.00100	.00019	.00005	.04387	.00028	.00035	.00173
%RSD	2.3333	.36128	.29650	5.6917	1.8259	.34017	74.959	2.8292	1.0200	11.670
#1	1.0519	.12085	.00986	.01831	.01037	.01611	.08955	.01022	.03477	.01605
#2	1.0871	.12024	.00990	.01689	.01064	.01603	.02751	.00982	.03427	.01360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6993.0**	**77911.**	**6188.4**
Stddev	11.6	52.	47.8
%RSD	.16548	.06664	.77176
#1	7001.2	77948.	6222.2
#2	6984.8	77875.	6154.7

Sample Name: 280-49163-c-4-c Acquired: 11/15/2013 1:37:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.21610**	**-.00112**	**.00972**	**.04569**	**.00006**	**.00149**	**25.884**	**.00005**	**.00016**
Stddev	.00010	.00094	.00145	.00088	.00013	.00004	.00180	.017	.00005	.00013
%RSD	8.4499	.43501	130.06	9.0531	.27791	56.160	120.83	.06756	97.724	79.642
#1	-.00128	.21677	-.00215	.01034	.04578	.00009	.00277	25.896	.00002	.00007
#2	-.00114	.21544	-.00009	.00910	.04560	.00004	.00022	25.871	.00009	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00000**	**.57036**	**1.1198**	**.00388**	**6.0713**	**.05039**	**.00054**	**11.458**	**.00087**
Stddev	.00009	.0002	.00701	.0222	.00003	.0318	.00014	.00045	.296	.00023
%RSD	43.856	6084.7	1.2285	1.9795	.65968	.52447	.28367	83.801	2.5848	27.082
#1	.00026	-.00013	.56541	1.1354	.00390	6.0488	.05029	.00022	11.249	.00103
#2	.00014	.00012	.57532	1.1041	.00386	6.0939	.05049	.00086	11.668	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02124**	**-.00071**	**8.7141**	**.00085**	**-.00049**	**5.1772**	**11.079**	**-.00053**	**.27550**	**.00400**
Stddev	.00038	.00014	.0137	.00237	.00300	.0343	.073	.00017	.00040	.00150
%RSD	1.7849	19.742	.15675	278.10	616.87	.66339	.66339	33.102	.14627	37.415
#1	.02097	-.00061	8.7237	-.00082	.00163	5.1529	11.027	-.00040	.27578	.00506
#2	.02151	-.00080	8.7044	.00253	-.00261	5.2015	11.131	-.00065	.27521	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00562**	**.00148**	**-.04968**	**.00097**	**.00441**	**.00008**
Stddev	.00013	.00010	.01787	.00020	.00001	.00017
%RSD	2.2800	6.9587	35.970	20.340	.29435	221.50
#1	.00571	.00155	-.03705	.00083	.00440	.00019
#2	.00552	.00140	-.06232	.00111	.00442	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6941.1**	**78343.**	**6401.3**
Stddev	17.9	525.	18.4
%RSD	.25808	.66966	.28749
#1	6928.4	78714.	6388.3
#2	6953.8	77972.	6414.3

Sample Name: 280-49163-c-5-b Acquired: 11/15/2013 1:39:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**.03556**	**-.00201**	**.01054**	**.04866**	**.00002**	**.00231**	**27.529**	**-.00006**	**.00010**
Stddev	.00032	.00066	.00225	.00021	.00028	.00006	.00081	.055	.00015	.00014
%RSD	19.964	1.8481	111.97	1.9949	.57820	329.36	35.040	.19905	225.17	138.86
#1	-.00138	.03603	-.00042	.01069	.04886	.00006	.00174	27.567	.00004	.00000
#2	-.00183	.03510	-.00360	.01039	.04847	-.00002	.00288	27.490	-.00017	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00052**	**.41786**	**1.1556**	**.00375**	**6.3561**	**.02663**	**.00049**	**11.524**	**.00023**
Stddev	.00021	.00011	.00058	.0267	.00007	.0238	.00014	.00009	.003	.00007
%RSD	120.52	21.267	.13764	2.3094	1.8016	.37465	.52934	17.916	.02876	33.181
#1	.00003	-.00044	.41826	1.1368	.00380	6.3729	.02673	.00055	11.522	.00028
#2	.00032	-.00060	.41745	1.1745	.00370	6.3392	.02653	.00043	11.527	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01580**	**-.00011**	**9.3758**	**.00088**	**.00029**	**5.7466**	**12.298**	**-.00064**	**.28369**	**.00397**
Stddev	.00180	.00025	.0207	.00014	.00098	.0423	.091	.00002	.00079	.00164
%RSD	11.400	221.93	.22068	16.376	331.26	.73701	.73701	3.1724	.27889	41.221
#1	.01707	-.00029	9.3612	.00078	-.00040	5.7765	12.362	-.00066	.28425	.00513
#2	.01452	.00006	9.3904	.00098	.00099	5.7166	12.234	-.00063	.28313	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00071**	**-.04018**	**.00074**	**.00422**	**.00062**
Stddev	.00029	.00017	.00747	.00086	.00012	.00026
%RSD	29.230	24.667	18.595	116.32	2.8822	41.264
#1	.00119	.00058	-.03489	.00013	.00431	.00080
#2	.00078	.00083	-.04546	.00135	.00414	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6963.0**	**77699.**	**6528.8**
Stddev	12.8	537.	17.7
%RSD	.18448	.69157	.27173
#1	6953.9	77319.	6541.4
#2	6972.1	78079.	6516.3

Sample Name: 280-49163-c-6-c Acquired: 11/15/2013 1:41:56 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.11728**	**-.00093**	**.00687**	**.02654**	**.00001**	**.00031**	**14.487**	**-.00003**	**-.00007**
Stddev	.00085	.00063	.00065	.00068	.00020	.00005	.00151	.035	.00008	.00007
%RSD	57.332	.53611	69.962	9.8545	.74710	409.24	486.43	.24345	227.99	102.65
#1	-.00088	.11683	-.00139	.00639	.02668	.00005	-.00076	14.512	.00002	-.00012
#2	-.00209	.11772	-.00047	.00735	.02640	-.00002	.00138	14.462	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00028**	**.13662**	**.80182**	**.00397**	**1.9441**	**.02052**	**.00224**	**5.6378**	**.00006**
Stddev	.00025	.00035	.01172	.02169	.00052	.0008	.00008	.00003	.0262	.00005
%RSD	161.51	124.46	8.5789	2.7054	13.001	.04328	.38915	1.2406	.46430	88.600
#1	-.00002	.00003	.12833	.81716	.00433	1.9447	.02057	.00226	5.6193	.00002
#2	.00033	.00052	.14490	.78648	.00360	1.9435	.02046	.00222	5.6563	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01904**	**-.00067**	**2.2169**	**-.00022**	**.00110**	**5.3852**	**11.524**	**-.00055**	**.13176**	**.00345**
Stddev	.00090	.00079	.0046	.00127	.00464	.0058	.012	.00065	.00039	.00227
%RSD	4.7427	118.44	.20651	589.24	421.90	.10756	.10756	117.78	.29335	65.658
#1	.01840	-.00123	2.2137	-.00112	-.00218	5.3811	11.516	-.00102	.13204	.00505
#2	.01968	-.00011	2.2202	.00068	.00438	5.3893	11.533	-.00009	.13149	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00380**	**.00148**	**-.03162**	**.00046**	**.00452**	**.00093**
Stddev	.00007	.00080	.03343	.00039	.00009	.00150
%RSD	1.9540	54.425	105.73	83.042	2.0133	161.03
#1	.00385	.00205	-.05525	.00074	.00446	.00199
#2	.00374	.00091	-.00798	.00019	.00459	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7021.2**	**79344.**	**6538.6**
Stddev	3.6	203.	28.5
%RSD	.05096	.25550	.43638
#1	7018.6	79200.	6518.4
#2	7023.7	79487.	6558.7

Sample Name: 280-49163-c-7-c Acquired: 11/15/2013 1:44:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00125**	**.05982**	**.00027**	**.00760**	**.04282**	**-.00001**	**.00139**	**22.467**	**-.00012**	**-.00022**
Stddev	.00020	.00030	.00030	.00000	.00013	.00008	.00086	.073	.00009	.00013
%RSD	15.813	.50361	114.22	.04940	.30569	1284.8	62.189	.32696	75.408	60.644
#1	-.00139	.05960	.00048	.00760	.04273	-.00006	.00078	22.519	-.00019	-.00012
#2	-.00111	.06003	.00005	.00760	.04292	.00005	.00200	22.415	-.00006	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00064**	**.30269**	**1.0021**	**.00298**	**5.0965**	**.01885**	**.00061**	**8.4467**	**.00020**
Stddev	.00010	.00023	.00022	.0141	.00133	.0011	.00007	.00000	.0313	.00012
%RSD	75.019	36.074	.07294	1.4033	44.630	.02202	.36734	.78250	.37064	58.373
#1	.00006	-.00048	.30285	.99218	.00204	5.0957	.01880	.00062	8.4689	.00012
#2	.00020	-.00080	.30254	1.0121	.00392	5.0973	.01890	.00061	8.4246	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01250**	**-.00070**	**6.3819**	**-.00124**	**-.00055**	**6.0315**	**12.907**	**-.00053**	**.22779**	**.00338**
Stddev	.00193	.00014	.0228	.00056	.00096	.0390	.084	.00022	.00024	.00068
%RSD	15.438	19.896	.35713	45.057	174.68	.64708	.64708	42.315	.10467	20.234
#1	.01114	-.00080	6.3658	-.00163	.00013	6.0039	12.848	-.00037	.22796	.00386
#2	.01386	-.00060	6.3980	-.00084	-.00123	6.0591	12.966	-.00068	.22763	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00096**	**-.03852**	**.00027**	**.00407**	**-.00137**
Stddev	.00013	.00000	.02537	.00008	.00002	.00041
%RSD	11.109	.37344	65.864	29.108	.58606	30.033
#1	.00107	.00096	-.05646	.00032	.00408	-.00108
#2	.00125	.00096	-.02058	.00021	.00405	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7022.1**	**79314.**	**6502.4**
Stddev	7.0	207.	64.9
%RSD	.10009	.26069	.99804
#1	7017.1	79461.	6456.5
#2	7027.1	79168.	6548.3

Sample Name: 280-49163-c-8-c Acquired: 11/15/2013 1:46:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.35617**	**.00084**	**.01340**	**.06690**	**.00007**	**.00113**	**37.336**	**.00002**	**.00035**
Stddev	.00008	.00003	.00119	.00002	.00039	.00003	.00030	.007	.00015	.00016
%RSD	5.6825	.00852	141.99	.12047	.58261	48.338	26.096	.01884	844.21	46.658
#1	-.00154	.35620	.00168	.01341	.06718	.00009	.00093	37.331	.00013	.00047
#2	-.00142	.35615	.00000	.01339	.06663	.00005	.00134	37.341	-.00009	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00038**	**1.4282**	**1.6994**	**.00338**	**9.5412**	**.24419**	**.00049**	**19.157**	**.00090**
Stddev	.00016	.00036	.0061	.0267	.00037	.0303	.00050	.00028	.146	.00010
%RSD	35.976	94.596	.43019	1.5726	11.036	.31711	.20648	58.182	.76433	11.185
#1	.00033	.00013	1.4325	1.6805	.00365	9.5626	.24383	.00069	19.261	.00083
#2	.00055	.00064	1.4239	1.7183	.00312	9.5198	.24454	.00029	19.054	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05945**	**-.00050**	**14.543**	**.00001**	**-.00083**	**6.4490**	**13.801**	**-.00080**	**.43089**	**.00390**
Stddev	.00060	.00053	.005	.00010	.00014	.0104	.022	.00073	.00126	.00185
%RSD	1.0107	105.79	.03783	776.84	16.482	.16071	.16071	91.169	.29231	47.535
#1	.05987	-.00088	14.547	-.00006	-.00073	6.4564	13.817	-.00028	.43000	.00259
#2	.05902	-.00013	14.539	.00009	-.00093	6.4417	13.785	-.00131	.43178	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**-.00065**	W **-.05947**	**.00086**	**.00573**	**-.00035**
Stddev	.00057	.00027	.02339	.00026	.00020	.00039
%RSD	5.8469	41.143	39.337	29.660	3.5476	110.64
#1	.00935	-.00046	-.04293	.00068	.00558	-.00008
#2	.01016	-.00084	-.07601	.00104	.00587	-.00063
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.5**	**78529.**	**6562.8**
Stddev	9.8	129.	16.7
%RSD	.14068	.16455	.25514
#1	6941.4	78438.	6550.9
#2	6927.6	78620.	6574.6

Sample Name: 280-49163-c-9-c Acquired: 11/15/2013 1:49:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.09817**	**-.00199**	**.01867**	**.06536**	**.00010**	**.00392**	**76.343**	**.00042**	**-.00014**
Stddev	.00080	.00001	.00014	.00022	.00009	.00001	.00115	.072	.00007	.00032
%RSD	57.761	.01325	6.8584	1.1839	.13741	14.579	29.349	.09465	16.714	222.52
#1	-.00195	.09818	-.00209	.01851	.06530	.00009	.00473	76.292	.00037	.00008
#2	-.00082	.09816	-.00190	.01882	.06543	.00011	.00311	76.394	.00047	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00003**	**.09749**	**1.7257**	**.00261**	**21.203**	**.02736**	**.00022**	**50.245**	**.00049**
Stddev	.00003	.00030	.00086	.0285	.00018	.033	.00002	.00006	.337	.00015
%RSD	52.547	911.64	.88171	1.6525	6.8235	.15355	.08305	27.255	.67121	30.233
#1	.00009	.00025	.09810	1.7055	.00248	21.226	.02734	.00018	50.006	.00060
#2	.00004	-.00018	.09688	1.7458	.00274	21.180	.02737	.00026	50.483	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02868**	**-.00076**	**30.840**	**.00042**	**.00489**	**4.6009**	**9.8459**	**-.00090**	**1.3431**	**.00352**
Stddev	.00149	.00001	.004	.00195	.00081	.0092	.0196	.00025	.0025	.00057
%RSD	5.1887	1.3155	.01345	467.81	16.623	.19944	.19944	28.477	.18524	16.318
#1	.02974	-.00077	30.843	.00180	.00432	4.6074	9.8598	-.00108	1.3413	.00311
#2	.02763	-.00076	30.837	-.00096	.00547	4.5944	9.8321	-.00072	1.3449	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00139**	**-.03869**	**.00021**	**.00689**	**.00030**
Stddev	.00001	.00215	.01540	.00004	.00013	.00155
%RSD	18.291	155.00	39.818	19.526	1.8392	516.46
#1	-.00007	.00291	-.02779	.00024	.00698	-.00080
#2	-.00005	-.00013	-.04958	.00019	.00680	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.6**	**76571.**	**6521.0**
Stddev	1.0	403.	3.7
%RSD	.01467	.52670	.05684
#1	6825.3	76286.	6523.6
#2	6823.9	76856.	6518.3

Sample Name: 280-49167-c-1-b Acquired: 11/15/2013 1:51:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**.01347**	**-.00060**	**.02476**	**.47042**	**.00001**	**-.00018**	**2.8888**	**-.00025**	**-.00027**
Stddev	.00015	.00376	.00278	.00094	.00036	.00000	.00283	.0046	.00009	.00027
%RSD	9.7618	27.922	463.97	3.7873	.07677	27.567	1577.0	.15966	35.376	100.53
#1	-.00147	.01612	-.00256	.02542	.47067	.00002	-.00218	2.8855	-.00032	-.00045
#2	-.00169	.01081	.00137	.02410	.47016	.00001	.00182	2.8920	-.00019	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00103**	**1.8087**	**2.2543**	**.02846**	**.80442**	**.02730**	**.00130**	**310.94**	**.00187**
Stddev	.00001	.00018	.0168	.0493	.00078	.00051	.00015	.00017	.08	.00007
%RSD	1.2034	17.733	.92983	2.1866	2.7546	.06301	.53795	13.324	.02614	3.5656
#1	.00114	.00116	1.7968	2.2194	.02791	.80406	.02741	.00117	311.00	.00191
#2	.00116	.00090	1.8206	2.2891	.02902	.80478	.02720	.00142	310.89	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02231**	**-.00021**	**.11999**	**-.00051**	**.00107**	**7.3320**	**15.691**	**-.00091**	**.26187**	**.00197**
Stddev	.00470	.00094	.03426	.00076	.00176	.0132	.028	.00025	.00029	.00373
%RSD	21.081	437.92	28.553	150.45	164.93	.17942	.17942	27.677	.11017	189.08
#1	.02564	.00045	.14421	-.00105	-.00018	7.3227	15.671	-.00109	.26166	.00461
#2	.01899	-.00088	.09576	.00003	.00232	7.3413	15.710	-.00074	.26207	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00106**	**-.04735**	**-.00004**	**.00597**	**-.00022**
Stddev	.00003	.00123	.07001	.00070	.00003	.00056
%RSD	15.105	115.78	147.86	1681.7	.44960	252.06
#1	.00025	.00019	-.09685	-.00053	.00599	.00018
#2	.00021	.00194	.00215	.00045	.00595	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6710.7**	**74293.**	**6422.6**
Stddev	5.4	178.	67.9
%RSD	.08094	.24007	1.0578
#1	6714.6	74419.	6470.6
#2	6706.9	74167.	6374.6

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:53:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00830**	**48.078**	**.00010**	**.00109**	**.00084**	**.00003**	W **1.0733**	**.01608**	**.00069**	**-.00100**	**.00026**	**-.00823**
Stddev	.00011	.043	.00190	.00116	.00050	.00002	.0025	.00151	.00002	.00024	.00005	.00048
%RSD	1.3467	.09010	1984.4	106.45	60.117	71.090	.23292	9.4173	2.8298	23.875	19.994	5.8063
#1	-.00822	48.048	-.00125	.00027	.00119	.00001	1.0715	.01715	.00070	-.00083	.00030	-.00789
#2	-.00838	48.109	.00144	.00190	.00048	.00004	1.0750	.01501	.00068	-.00117	.00022	-.00856
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.044**	**.19199**	**.00200**	**.05073**	**-.00014**	**.00037**	**253.84**	**-.00084**	**.00431**	**-.00247**	**5.1168**	**.00099**
Stddev	.045	.03293	.00052	.00139	.00003	.00018	.04	.00003	.00043	.00019	.0047	.00004
%RSD	.08785	17.152	25.839	2.7402	19.859	49.206	.01410	4.1701	10.045	7.5769	.09251	3.9079
#1	51.076	.21528	.00236	.04975	-.00012	.00024	253.87	-.00086	.00462	-.00234	5.1201	.00097
#2	51.012	.16871	.00163	.05171	-.00017	.00050	253.81	-.00081	.00400	-.00260	5.1134	.00102
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00521**	**.00901**	**.01929**	**-.00016**	**.00002**	**5.1100**	**.01465**	**.00287**	F **8.3437**	**.00110**	**.00275**	**-.08071**
Stddev	.00353	.00328	.00701	.00062	.00003	.0129	.00053	.00086	.0663	.00025	.00003	.00079
%RSD	67.693	36.338	36.338	393.07	134.59	.25143	3.6139	30.000	.79484	22.786	1.2095	.98473
#1	-.00272	.01133	.02424	-.00059	.00004	5.1009	.01428	.00226	8.2968	.00128	.00277	-.08127
#2	-.00771	.00670	.01433	.00028	.00000	5.1191	.01502	.00348	8.3906	.00092	.00272	-.08015
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6832.5**	**75715.**	**6364.3**
Stddev	19.3	356.	31.9
%RSD	.28283	.47072	.50092
#1	6818.9	75463.	6386.8
#2	6846.2	75967.	6341.8

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:56:12 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55545	.54694	1.0624	.53440	.50971	.46828	-.00922	4.6182	.48443	.50524	.54386	.50645	2.6233
Stddev	.00024	.00637	.0061	.00119	.00045	.00018	.00041	.0220	.00145	.00053	.00193	.00033	.0062
%RSD	.04345	1.1650	.57245	.22311	.08804	.03762	4.4114	.47532	.30018	.10397	.35520	.06531	.23521
#1	.55528	.54244	1.0581	.53356	.51003	.46816	-.00951	4.6027	.48341	.50487	.54249	.50621	2.6190
#2	.55562	.55145	1.0667	.53524	.50940	.46841	-.00893	4.6338	.48546	.50561	.54522	.50668	2.6277
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000												
Range	10.490%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.597	1.0084	20.901	.49961	.53260	F 5.5459	.54819	1.0672	.96407	.02714	1.0348	1.0934	5.0692
Stddev	.125	.0012	.062	.00080	.00077	.0115	.00020	.0067	.00103	.00258	.0054	.0035	.0062
%RSD	.25653	.12147	.29807	.16055	.14463	.20793	.03599	.62766	.10734	9.5112	.52321	.32392	.12153
#1	48.509	1.0076	20.857	.49904	.53205	5.5378	.54805	1.0625	.96334	.02532	1.0310	1.0909	5.0649
#2	48.685	1.0093	20.945	.50018	.53314	5.5541	.54833	1.0720	.96480	.02897	1.0387	1.0959	5.0736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.848	1.0568	.49352	.00726	.51234	1.0095	-.07856	.48364	.52344	.48581
Stddev	.013	.0038	.00069	.00217	.00108	.0076	.02363	.00036	.00110	.00073
%RSD	.12153	.35879	.13939	29.838	.21158	.74932	30.076	.07414	.20983	.15123
#1	10.839	1.0542	.49401	.00573	.51157	1.0041	-.06186	.48339	.52267	.48633
#2	10.857	1.0595	.49303	.00879	.51310	1.0148	-.09527	.48389	.52422	.48529
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6889.6	76854.	6365.4
Stddev	48.5	387.	34.4
%RSD	.70401	.50366	.54117
#1	6923.9	77127.	6389.7
#2	6855.3	76580.	6341.0

Sample Name: CCB Acquired: 11/15/2013 1:58:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00126**	**.00047**	**-.00109**	**.00149**	**.00037**	**.00009**	**.00200**	**-.00416**	**-.00001**	**-.00016**	**-.00009**
Stddev	.00005	.00010	.00419	.00051	.00021	.00005	.00052	.00332	.00009	.00006	.00000
%RSD	4.1449	20.575	386.05	34.135	57.461	54.938	26.094	79.906	985.38	36.837	4.3243
#1	-.00122	.00054	.00188	.00185	.00052	.00013	.00237	-.00650	.00005	-.00012	-.00009
#2	-.00129	.00040	-.00405	.00113	.00022	.00006	.00163	-.00181	-.00007	-.00020	-.00008
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**-.00021**	**.16616**	**.00176**	**.00339**	**.00008**	**.00035**	F **.43217**	**-.00012**	**.00205**	**.00027**
Stddev	.00038	.00051	.02347	.00114	.00160	.00010	.00004	.00445	.00013	.00020	.00092
%RSD	35.042	242.84	14.123	64.887	47.354	116.15	12.320	1.0295	105.00	9.5295	346.39
#1	-.00081	-.00057	.14957	.00095	.00452	.00015	.00032	.42902	-.00003	.00191	-.00039
#2	-.00135	.00015	.18276	.00256	.00225	.00001	.00038	.43532	-.00021	.00219	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03238**	F **.00720**	**-.00077**	**.01616**	**.03459**	**-.00064**	**-.00006**	**.00331**	**.00036**	**.00014**	**-.00924**
Stddev	.00004	.00018	.00200	.00901	.01929	.00046	.00009	.00185	.00023	.00025	.07814
%RSD	.11469	2.4825	258.78	55.767	55.767	71.407	146.31	55.865	62.870	175.59	846.03
#1	.03235	.00732	.00064	.00979	.02095	-.00097	.00000	.00462	.00020	.00031	-.06449
#2	.03241	.00707	-.00219	.02253	.04822	-.00032	-.00012	.00200	.00052	-.00003	.04602
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00061**	**.00346**	**-.00119**
Stddev	.00012	.00008	.00004
%RSD	19.897	2.2336	3.2527
#1	.00052	.00351	-.00116
#2	.00069	.00340	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6800.5**	**76268.**	**6185.1**
Stddev	23.2	116.	25.7
%RSD	.34056	.15169	.41622
#1	6784.1	76186.	6203.3
#2	6816.9	76350.	6166.9

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:00:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.11263**	**.01528**	**.10628**	**.01049**	**.00097**	**.11861**	**.19890**	**.00464**	**.01028**	**.01113**	**.01383**	**.11008**
Stddev	.00010	.00044	.00098	.00023	.00010	.00003	.00161	.00591	.00002	.00032	.00005	.00012	.00043
%RSD	.97705	.39047	6.4328	.21776	.98471	3.2935	1.3602	2.9736	.46628	3.1308	.45346	.87204	.38839
#1	.00972	.11294	.01459	.10644	.01041	.00099	.11975	.20308	.00463	.01050	.01117	.01375	.10978
#2	.00986	.11232	.01598	.10612	.01056	.00095	.11746	.19472	.00466	.01005	.01109	.01392	.11038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0081**	**.01196**	**.22165**	**.01028**	**.02058**	F **1.3921**	**.04489**	**3.1040**	**.00857**	**.02545**	**.01117**	**.01715**	**.51764**
Stddev	.0313	.00162	.00285	.00010	.00020	.0019	.00018	.0017	.00085	.00118	.00063	.00130	.01626
%RSD	1.0419	13.566	1.2851	.98348	.95106	.13951	.40602	.05386	9.8700	4.6343	5.6696	7.5535	3.1418
#1	3.0302	.01311	.22366	.01021	.02071	1.3908	.04501	3.1028	.00917	.02629	.01072	.01623	.50614
#2	2.9859	.01081	.21964	.01035	.02044	1.3935	.04476	3.1052	.00797	.02462	.01161	.01806	.52914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1078**	**.10819**	**.00976**	**.01481**	**.01015**	**.01657**	F **.11223**	**.00940**	**.02570**	**.01555**
Stddev	.0348	.00005	.00008	.00009	.00026	.00016	.06709	.00051	.00050	.00130
%RSD	3.1418	.04232	.86564	.62520	2.5908	.98585	59.776	5.4011	1.9343	8.3896
#1	1.0831	.10815	.00982	.01474	.01034	.01668	.06479	.00976	.02606	.01648
#2	1.1324	.10822	.00970	.01487	.00997	.01645	.15967	.00904	.02535	.01463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7047.3**	**79001.**	**6375.6**
Stddev	1.4	73.	4.4
%RSD	.01978	.09257	.06836
#1	7046.3	79053.	6372.5
#2	7048.2	78949.	6378.7

Sample Name: mb 280-200833/1-b Acquired: 11/15/2013 2:03:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00133**	**.00435**	**-.00238**	**.00083**	**.00051**	**.00000**	**.00158**	**.00966**	**-.00010**	**-.00011**
Stddev	.00002	.00184	.00147	.00002	.00020	.00000	.00104	.00069	.00001	.00014
%RSD	1.1617	42.353	61.711	2.1817	39.655	374.57	65.929	7.1563	12.495	129.96
#1	-.00131	.00565	-.00341	.00082	.00065	.00000	.00084	.01015	-.00010	-.00001
#2	-.00134	.00305	-.00134	.00084	.00036	.00000	.00232	.00917	-.00011	-.00020
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00077**	**.00417**	**.13117**	**.00051**	**.00506**	**.00021**	**-.00003**	W **.41129**	**.00014**
Stddev	.00011	.00021	.00105	.08952	.00102	.00054	.00002	.00010	.00114	.00010
%RSD	88.545	27.218	25.076	68.245	199.28	10.716	10.017	297.53	.27722	74.258
#1	.00020	-.00092	.00491	.06787	.00123	.00468	.00020	.00004	.41048	.00021
#2	.00005	-.00062	.00343	.19447	-.00021	.00544	.00023	-.00010	.41209	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**-.00034**	F **.03227**	**.00018**	**-.00171**	**.00472**	**.01011**	**.00009**	**-.00003**	W **.00406**
Stddev	.00019	.00043	.00050	.00053	.00077	.02146	.04593	.00016	.00005	.00139
%RSD	9.5022	126.95	1.5515	295.19	45.062	454.46	454.46	182.98	155.45	34.266
#1	.00215	-.00065	.03192	.00055	-.00225	-.01045	-.02237	-.00003	-.00007	.00505
#2	.00188	-.00003	.03262	-.00019	-.00117	.01990	.04258	.00020	.00000	.00308
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00067**	**-.02598**	**.00053**	W **.00428**	**-.00273**
Stddev	.00014	.00061	.05276	.00005	.00008	.00000
%RSD	60.829	91.279	203.10	9.6733	1.9072	.13326
#1	-.00013	.00024	-.06328	.00057	.00434	-.00274
#2	-.00032	.00110	.01133	.00049	.00423	-.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.0**	**79386.**	**6400.8**
Stddev	8.2	210.	21.6
%RSD	.11633	.26414	.33689
#1	7004.2	79535.	6385.5
#2	7015.8	79238.	6416.0

Sample Name: lcs 280-200833/2-b Acquired: 11/15/2013 2:05:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05211**	**2.0294**	**1.0641**	**1.0728**	**2.0123**	**.04654**	**2.1667**	F **44.493**	**.09699**	**.48955**
Stddev	.00037	.0022	.0054	.0033	.0216	.00016	.0039	.410	.00065	.00134
%RSD	.71898	.11068	.50772	.31029	1.0725	.34840	.17781	.92166	.67111	.27371
#1	.05185	2.0310	1.0679	1.0704	1.9971	.04642	2.1694	44.203	.09653	.49050
#2	.05238	2.0278	1.0603	1.0751	2.0276	.04665	2.1640	44.783	.09745	.48860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21599**	**.25104**	**1.0225**	**48.641**	**1.0051**	**51.890**	**.49020**	**1.0486**	**51.524**	**.52990**
Stddev	.00032	.00181	.0010	.568	.0161	.325	.00220	.0007	1.290	.00034
%RSD	.14686	.72148	.10317	1.1681	1.6014	.62562	.44792	.06692	2.5037	.06422
#1	.21622	.24976	1.0233	48.239	.99372	51.661	.48864	1.0491	50.612	.53014
#2	.21577	.25232	1.0218	49.042	1.0165	52.120	.49175	1.0481	52.437	.52966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.724**	**.46137**	**.02345**	**.51000**	**2.1637**	**10.123**	**21.664**	**2.0507**	**.97505**	**1.0134**
Stddev	.001	.00129	.00016	.00366	.0091	.077	.165	.0082	.01112	.0045
%RSD	.01024	.27926	.67952	.71675	.41887	.76392	.76392	.40176	1.1408	.43972
#1	10.725	.46046	.02334	.50742	2.1573	10.069	21.547	2.0449	.96718	1.0103
#2	10.723	.46228	.02357	.51259	2.1701	10.178	21.781	2.0565	.98291	1.0166
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0215**	**1.9113**	F **3.3422**	**.48308**	**.51035**	**.46932**
Stddev	.0055	.0042	.0254	.00341	.00472	.00912
%RSD	.53678	.21912	.75899	.70491	.92576	1.9429
#1	1.0177	1.9084	3.3243	.48068	.50701	.46287
#2	1.0254	1.9143	3.3602	.48549	.51369	.47577
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6735.3**	**75638.**	**6431.9**
Stddev	12.5	288.	43.2
%RSD	.18613	.38018	.67183
#1	6726.5	75841.	6462.4
#2	6744.2	75435.	6401.3

Sample Name: 280-49163-d-1-b Acquired: 11/15/2013 2:07:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.02274**	**-.00371**	**.02284**	**.08090**	**.00005**	**.00440**	**53.059**	**.00003**	**-.00019**
Stddev	.00040	.00000	.00030	.00017	.00011	.00001	.00148	.019	.00018	.00013
%RSD	45.483	.01080	8.1122	.74903	.13282	21.775	33.765	.03595	663.00	67.299
#1	-.00116	.02274	-.00393	.02272	.08083	.00004	.00335	53.073	.00015	-.00029
#2	-.00059	.02274	-.00350	.02296	.08098	.00006	.00545	53.046	-.00010	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00026**	**.15835**	**1.8213**	**.00493**	**17.750**	**.09465**	**.00181**	**62.645**	**.00066**
Stddev	.00015	.00002	.00137	.0539	.00140	.025	.00063	.00017	.135	.00010
%RSD	69.779	7.0073	.86320	2.9576	28.385	.14193	.66643	9.4767	.21514	15.270
#1	.00032	-.00025	.15932	1.8594	.00394	17.732	.09421	.00169	62.550	.00059
#2	.00011	-.00027	.15739	1.7832	.00592	17.768	.09510	.00193	62.741	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**.00048**	**23.355**	**.00156**	**-.00110**	**5.3887**	**11.532**	**-.00018**	**.81967**	**.00359**
Stddev	.00035	.00040	.012	.00070	.00171	.0243	.052	.00000	.00132	.00008
%RSD	4.6095	82.367	.05089	44.989	155.37	.45150	.45150	2.1428	.16150	2.2014
#1	.00742	.00020	23.347	.00206	-.00231	5.3715	11.495	-.00017	.82061	.00365
#2	.00792	.00077	23.364	.00106	.00011	5.4059	11.569	-.00018	.81873	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00132**	**-.03576**	**.00080**	**.01792**	**-.00018**
Stddev	.00011	.00074	.03530	.00019	.00018	.00264
%RSD	30.725	56.262	98.717	24.078	.97922	1436.2
#1	.00044	.00079	-.01080	.00066	.01779	-.00205
#2	.00028	.00184	-.06071	.00094	.01804	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6775.2**	**75871.**	**6363.8**
Stddev	4.6	48.	41.0
%RSD	.06746	.06295	.64406
#1	6778.4	75905.	6392.7
#2	6772.0	75838.	6334.8

Sample Name: 280-49163-d-2-b Acquired: 11/15/2013 2:09:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.00733**	**-.00087**	**.02026**	**.07067**	**.00003**	**.00192**	**47.909**	**.00008**	**-.00012**
Stddev	.00035	.00033	.00166	.00017	.00080	.00007	.00055	.024	.00010	.00009
%RSD	21.165	4.5649	190.07	.85382	1.1250	210.28	28.489	.04956	123.11	76.519
#1	-.00141	.00757	-.00205	.02038	.07011	.00008	.00231	47.893	.00015	-.00005
#2	-.00191	.00710	.00030	.02014	.07124	-.00002	.00153	47.926	.00001	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00077**	**.11645**	**1.6342**	**.00466**	**14.898**	**.06350**	**.00135**	**59.975**	**.00037**
Stddev	.00001	.00068	.00006	.0542	.00230	.016	.00000	.00002	.738	.00013
%RSD	23.687	88.757	.04853	3.3160	49.281	.10842	.00670	1.3170	1.2300	35.955
#1	.00003	-.00125	.11649	1.5958	.00629	14.887	.06350	.00136	59.453	.00046
#2	.00002	-.00029	.11641	1.6725	.00304	14.910	.06350	.00134	60.497	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00575**	**-.00042**	**20.922**	**-.00020**	**-.00123**	**5.5748**	**11.930**	**-.00065**	**.71144**	**.00168**
Stddev	.00143	.00022	.008	.00083	.00186	.0758	.162	.00116	.00083	.00074
%RSD	24.914	53.228	.03782	425.53	151.87	1.3598	1.3598	176.72	.11611	44.000
#1	.00676	-.00026	20.927	-.00079	-.00254	5.5212	11.815	-.00147	.71086	.00116
#2	.00473	-.00058	20.916	.00039	.00009	5.6284	12.045	.00016	.71203	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00106**	**-.01933**	**.00046**	**.00965**	**.00065**
Stddev	.00028	.00034	.02018	.00022	.00017	.00098
%RSD	617.82	32.456	104.44	47.774	1.7167	151.40
#1	.00015	.00082	-.03360	.00061	.00953	-.00005
#2	-.00024	.00130	-.00505	.00030	.00976	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6802.8**	**75994.**	**6325.1**
Stddev	4.2	34.	37.8
%RSD	.06178	.04478	.59758
#1	6799.8	75970.	6351.9
#2	6805.8	76018.	6298.4

Sample Name: 280-49163-d-3-b Acquired: 11/15/2013 2:12:16 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00179**	**.04875**	**-.00036**	**.01487**	**.07404**	**.00006**	**.00181**	**52.450**	**.00021**	**.00018**
Stddev	.00058	.00007	.00098	.00010	.00079	.00006	.00035	.133	.00006	.00013
%RSD	32.191	.14150	274.12	.67826	1.0640	96.161	19.531	.25326	26.831	72.611
#1	-.00220	.04880	.00034	.01494	.07348	.00011	.00206	52.544	.00025	.00009
#2	-.00138	.04871	-.00106	.01480	.07460	.00002	.00156	52.356	.00017	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00054**	**.40336**	**2.1037**	**.00438**	**14.480**	**.30531**	**.00041**	**32.649**	**.00035**
Stddev	.00017	.00018	.00469	.0228	.00042	.010	.00006	.00012	.333	.00002
%RSD	126.55	33.840	1.1621	1.0836	9.6699	.07213	.02129	28.916	1.0192	6.1482
#1	.00001	-.00041	.40005	2.1198	.00408	14.487	.30527	.00032	32.414	.00037
#2	.00026	-.00067	.40668	2.0875	.00468	14.472	.30536	.00049	32.884	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02600**	**-.00033**	**13.944**	**.00087**	**.00199**	**5.7067**	**12.212**	**.00001**	**.72785**	**.00416**
Stddev	.00120	.00014	.009	.00210	.00351	.0773	.165	.00027	.00189	.00016
%RSD	4.6020	44.049	.06106	241.17	176.27	1.3549	1.3549	4946.2	.25983	3.9150
#1	.02515	-.00023	13.938	.00236	-.00049	5.6520	12.095	-.00018	.72919	.00427
#2	.02684	-.00043	13.950	-.00061	.00447	5.7614	12.329	.00019	.72652	.00404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00040**	**-.03725**	**.00020**	**.01258**	**-.00035**
Stddev	.00010	.00038	.00032	.00011	.00000	.00014
%RSD	62.921	94.640	.84803	55.308	.02395	41.631
#1	.00022	.00013	-.03702	.00012	.01259	-.00045
#2	.00008	.00067	-.03747	.00027	.01258	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6830.6**	**76234.**	**6411.8**
Stddev	18.6	103.	30.6
%RSD	.27303	.13461	.47801
#1	6843.8	76161.	6433.5
#2	6817.5	76307.	6390.1

Sample Name: 280-49163-c-4-e Acquired: 11/15/2013 2:14:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00183**	**.02551**	**-.00222**	**.01005**	**.05198**	**.00006**	**.00305**	**29.276**	**-.00003**	**-.00009**
Stddev	.00001	.00006	.00021	.00034	.00051	.00002	.00211	.007	.00004	.00002
%RSD	.28528	.23394	9.3744	3.4268	.98868	33.311	69.174	.02476	109.82	20.690
#1	-.00183	.02555	-.00237	.01029	.05234	.00004	.00156	29.281	-.00006	-.00007
#2	-.00183	.02547	-.00207	.00980	.05162	.00007	.00454	29.271	-.00001	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00031**	**.49832**	**1.1730**	**.00353**	**6.8666**	**.05425**	**.00050**	**13.030**	**.00132**
Stddev	.00023	.00006	.00016	.0020	.00198	.0321	.00022	.00022	.073	.00001
%RSD	149.25	19.747	.03281	.17266	55.957	.46705	.39635	44.514	.56287	.61807
#1	-.00001	-.00027	.49820	1.1716	.00214	6.8893	.05440	.00034	13.082	.00131
#2	.00031	-.00035	.49843	1.1744	.00493	6.8440	.05410	.00066	12.978	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01937**	**-.00102**	**9.7528**	**.00011**	**-.00207**	**5.5530**	**11.883**	**-.00060**	**.31442**	**.00310**
Stddev	.00029	.00022	.0046	.00034	.00014	.0408	.087	.00063	.00028	.00255
%RSD	1.4913	21.323	.04689	311.91	6.9400	.73519	.73519	104.70	.09051	82.151
#1	.01917	-.00087	9.7495	.00035	-.00217	5.5819	11.945	-.00104	.31462	.00491
#2	.01958	-.00118	9.7560	-.00013	-.00196	5.5241	11.822	-.00016	.31422	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00132**	W **-.05542**	**.00026**	**.01722**	**.00006**
Stddev	.00000	.00170	.04849	.00020	.00011	.00035
%RSD	21.316	128.94	87.482	78.529	.65543	604.51
#1	.00002	.00253	-.08971	.00012	.01729	-.00019
#2	.00003	.00012	-.02114	.00041	.01714	.00030
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.4**	**77719.**	**6397.9**
Stddev	31.8	440.	11.6
%RSD	.45998	.56557	.18117
#1	6924.9	77408.	6406.1
#2	6880.0	78030.	6389.7

Sample Name: 280-49163-d-5-b Acquired: 11/15/2013 2:17:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.00666**	**-.00153**	**.00936**	**.04736**	**.00006**	**.00254**	**26.483**	**.00002**	**.00002**
Stddev	.00067	.00020	.00241	.00007	.00021	.00005	.00258	.098	.00007	.00002
%RSD	44.972	2.9292	157.06	.75209	.43913	85.526	101.71	.37007	346.12	99.957
#1	-.00101	.00652	.00017	.00941	.04751	.00003	.00071	26.553	-.00003	.00003
#2	-.00195	.00680	-.00323	.00931	.04721	.00010	.00436	26.414	.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00040**	**.38615**	**1.0860**	**.00123**	**6.1156**	**.02506**	**.00066**	**11.289**	**.00044**
Stddev	.00014	.00015	.00426	.0244	.00196	.0149	.00017	.00002	.266	.00001
%RSD	125.11	38.131	1.1040	2.2483	159.09	.24310	.69769	3.2975	2.3577	1.2145
#1	.00001	-.00029	.38313	1.0687	-.00015	6.1261	.02493	.00064	11.101	.00043
#2	.00021	-.00050	.38916	1.1032	.00262	6.1051	.02518	.00067	11.477	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01167**	**-.00101**	**8.9489**	**-.00089**	**.00051**	**5.5413**	**11.858**	**-.00051**	**.27394**	**.00547**
Stddev	.00015	.00094	.0183	.00276	.00218	.0019	.004	.00100	.00041	.00102
%RSD	1.2876	93.407	.20457	310.37	430.12	.03497	.03497	196.12	.14889	18.694
#1	.01157	-.00168	8.9360	.00106	.00205	5.5400	11.856	.00020	.27423	.00619
#2	.01178	-.00034	8.9619	-.00284	-.00103	5.5427	11.861	-.00122	.27365	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00094**	**-.03672**	**.00033**	**.01439**	**-.00129**
Stddev	.00019	.00033	.04261	.00016	.00016	.00017
%RSD	71.669	35.697	116.05	47.941	1.1395	13.302
#1	-.00013	.00070	-.06686	.00022	.01451	-.00117
#2	-.00039	.00117	-.00659	.00044	.01428	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6867.1**	**76605.**	**6366.1**
Stddev	10.5	54.	25.7
%RSD	.15289	.07084	.40325
#1	6874.5	76644.	6348.0
#2	6859.7	76567.	6384.3

Sample Name: CCVH-2372891 Acquired: 11/15/2013 2:19:23 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00880**	**49.359**	**-.00290**	**.00088**	**.00060**	**.00001**	W **1.0902**	**.02757**	**.00077**	**-.00120**	**.00040**	**-.00824**
Stddev	.00030	.249	.00152	.00085	.00018	.00004	.0072	.00183	.00006	.00010	.00000	.00009
%RSD	3.4654	.50377	52.446	96.390	30.369	514.25	.65750	6.6518	7.2315	7.9335	.87634	1.1248
#1	-.00902	49.535	-.00182	.00149	.00073	-.00002	1.0851	.02886	.00073	-.00127	.00040	-.00831
#2	-.00858	49.184	-.00397	.00028	.00047	.00004	1.0953	.02627	.00081	-.00113	.00041	-.00818
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.186**	**.13536**	**.00375**	**.04887**	**-.00016**	**.00038**	**260.78**	**-.00085**	**.00173**	**-.00208**	**5.1569**	**.00128**
Stddev	.247	.02203	.00105	.00180	.00002	.00007	.84	.00015	.00017	.00166	.0149	.00085
%RSD	.47348	16.273	28.076	3.6882	11.939	17.733	.32170	17.306	9.7017	79.846	.28789	66.566
#1	52.011	.11979	.00301	.05014	-.00017	.00033	261.37	-.00096	.00161	-.00091	5.1464	.00188
#2	52.360	.15094	.00450	.04760	-.00015	.00043	260.18	-.00075	.00185	-.00326	5.1674	.00068
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00239**	**-.00232**	**-.00497**	**-.00038**	**.00009**	**5.2259**	**.01480**	**.00227**	F **8.4790**	**.00120**	**.00237**	**-.08210**
Stddev	.00111	.00363	.00776	.00019	.00007	.0039	.00062	.00056	.0063	.00001	.00054	.00113
%RSD	46.536	156.29	156.29	48.940	77.944	.07450	4.2095	24.585	.07475	.74949	22.932	1.3810
#1	-.00318	-.00488	-.01045	-.00051	.00014	5.2287	.01524	.00266	8.4835	.00119	.00275	-.08130
#2	-.00160	.00024	.00052	-.00025	.00004	5.2231	.01436	.00188	8.4745	.00121	.00198	-.08290
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6820.0**	**74768.**	**6305.5**
Stddev	3.8	263.	45.5
%RSD	.05559	.35138	.72169
#1	6822.7	74582.	6273.3
#2	6817.3	74954.	6337.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 2:21:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55832	W .55095	1.0684	.53627	.51028	.46763	-.00721	4.6569	.48583	.50669	.54535	.50770
Stddev	.00072	.00547	.0066	.00404	.00261	.00067	.00099	.0065	.00032	.00003	.00001	.00223
%RSD	.12934	.99266	.62194	.75351	.51058	.14280	13.700	.13983	.06619	.00551	.00169	.43948
#1	.55883	.54709	1.0731	.53912	.51212	.46810	-.00651	4.6615	.48606	.50671	.54536	.50613
#2	.55781	.55482	1.0637	.53341	.50843	.46716	-.00791	4.6523	.48560	.50667	.54534	.50928
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6467	48.664	1.0120	21.034	.50160	.53445	5.4180	F .55357	1.0616	.96794	.01844	1.0326
Stddev	.0267	.089	.0034	.008	.00099	.00033	.0399	.00612	.0010	.00083	.00362	.0025
%RSD	1.0101	.18296	.33908	.03857	.19756	.06261	.73575	1.1062	.08937	.08620	19.614	.24457
#1	2.6656	48.727	1.0145	21.028	.50090	.53469	5.4462	.55790	1.0622	.96853	.01588	1.0308
#2	2.6278	48.601	1.0096	21.040	.50230	.53422	5.3899	.54924	1.0609	.96735	.02100	1.0344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.490%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0907	5.1718	11.068	1.0622	.49373	.00562	.51427	1.0120	-.02709	.48452	.52740	.49011
Stddev	.0026	.0285	.061	.0029	.00263	.00166	.00198	.0049	.01737	.00273	.00106	.00156
%RSD	.23415	.55171	.55171	.27297	.53351	29.612	.38408	.48033	64.113	.56328	.20144	.31728
#1	1.0925	5.1920	11.111	1.0643	.49560	.00680	.51287	1.0154	-.03937	.48259	.52665	.48901
#2	1.0889	5.1517	11.025	1.0602	.49187	.00444	.51566	1.0085	-.01481	.48645	.52816	.49121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6820.1	75997.	6265.6
Stddev	15.6	402.	12.4
%RSD	.22928	.52920	.19750
#1	6831.2	76281.	6256.9
#2	6809.1	75712.	6274.4

Sample Name: CCB Acquired: 11/15/2013 2:23:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00130**	**.00028**	**-.00198**	**.00114**	**.00037**	**.00010**	**.00329**	**-.00062**	**-.00013**	**-.00029**	**-.00009**
Stddev	.00061	.00008	.00164	.00053	.00018	.00003	.00148	.00374	.00020	.00009	.00001
%RSD	46.852	30.354	82.908	46.082	49.272	25.522	44.850	600.13	155.53	31.331	9.4367
#1	-.00087	.00022	-.00314	.00151	.00049	.00009	.00434	.00202	-.00027	-.00022	-.00009
#2	-.00173	.00034	-.00082	.00077	.00024	.00012	.00225	-.00327	.00001	-.00035	-.00010
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.00087**	**.11813**	**.00000**	**.00171**	**.00011**	**.00014**	F **.30554**	**-.00007**	**.00045**	**.00093**
Stddev	.00011	.00185	.01388	.0000	.00216	.00008	.00002	.00348	.00011	.00126	.00094
%RSD	11.537	213.54	11.753	3812.2	126.34	74.146	12.469	1.1405	154.32	276.50	100.84
#1	-.00100	-.00044	.12795	.00003	.00018	.00017	.00015	.30801	-.00015	-.00043	.00159
#2	-.00085	.00217	.10831	-.00003	.00324	.00005	.00012	.30308	.00001	.00134	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01801**	W **.00611**	**.00329**	**.01232**	**.02637**	**-.00043**	**-.00009**	**.00430**	**.00010**	**.00021**	F **-.06872**
Stddev	.00160	.00040	.00065	.00327	.00701	.00048	.00005	.00052	.00013	.00147	.06179
%RSD	8.8685	6.5729	19.736	26.570	26.570	112.08	56.900	12.094	133.05	711.42	89.913
#1	.01913	.00583	.00375	.01464	.03132	-.00009	-.00012	.00467	.00019	-.00083	-.11241
#2	.01688	.00640	.00283	.01001	.02141	-.00078	-.00005	.00393	.00001	.00124	-.02503
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00016**	**.00322**	**-.00054**
Stddev	.00019	.00003	.00112
%RSD	118.25	1.0024	207.84
#1	.00029	.00320	-.00133
#2	.00003	.00324	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6840.8**	**76438.**	**6118.5**
Stddev	10.6	438.	3.6
%RSD	.15434	.57300	.05906
#1	6833.3	76129.	6121.1
#2	6848.3	76748.	6115.9

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:26:17 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00954**	**.11226**	**.01523**	**.10680**	**.01052**	**.00097**	**.11808**	**.18899**	**.00481**	**.01029**	**.01098**	**.01360**	**.10351**
Stddev	.00027	.00008	.00189	.00087	.00028	.00004	.00099	.00307	.00002	.00012	.00007	.00088	.00329
%RSD	2.8099	.06698	12.396	.81647	2.6561	4.5017	.83959	1.6233	.42173	1.1845	.63145	6.4926	3.1782
#1	.00972	.11221	.01657	.10619	.01072	.00100	.11738	.18682	.00480	.01020	.01103	.01423	.10584
#2	.00935	.11231	.01390	.10742	.01033	.00094	.11878	.19116	.00483	.01038	.01093	.01298	.10119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9589**	**.01046**	**.22247**	**.01031**	**.02050**	**1.2911**	**.04465**	**3.1134**	**.00804**	**.01736**	**.01066**	**.01767**	**.49801**
Stddev	.0118	.00146	.00443	.00006	.00000	.0057	.00057	.0176	.00078	.00136	.00167	.00445	.01799
%RSD	.39773	13.945	1.9930	.59825	.00225	.44389	1.2663	.56468	9.6826	7.8424	15.633	25.161	3.6123
#1	2.9672	.01149	.22561	.01035	.02050	1.2870	.04425	3.1010	.00859	.01832	.00948	.02081	.48529
#2	2.9505	.00943	.21933	.01026	.02050	1.2952	.04505	3.1258	.00749	.01640	.01184	.01453	.51073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0657**	**.10869**	**.00969**	**.01822**	**.01013**	**.01488**	**.04676**	**.01010**	F **.02624**	**.01372**
Stddev	.0385	.00143	.00010	.00134	.00004	.00122	.01262	.00018	.00062	.00039
%RSD	3.6123	1.3133	1.0014	7.3644	.41174	8.1780	26.980	1.7534	2.3499	2.8679
#1	1.0385	.10768	.00976	.01727	.01010	.01574	.03784	.01023	.02667	.01344
#2	1.0930	.10970	.00962	.01917	.01016	.01402	.05568	.00998	.02580	.01400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.3**	**77921.**	**6298.1**
Stddev	26.0	379.	7.9
%RSD	.36776	.48689	.12608
#1	7048.0	77653.	6292.5
#2	7084.7	78189.	6303.7

Sample Name: 280-49163-c-6-e Acquired: 11/15/2013 2:28:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.02086**	**-.00336**	**.00674**	**.02716**	**.00005**	**.00180**	**14.908**	**.00002**	**-.00011**
Stddev	.00008	.00043	.00109	.00000	.00030	.00007	.00093	.049	.00013	.00016
%RSD	6.6453	2.0595	32.555	.04310	1.0953	155.27	51.574	.32844	577.95	143.67
#1	-.00130	.02117	-.00259	.00674	.02695	.00010	.00246	14.873	.00011	-.00022
#2	-.00118	.02056	-.00413	.00673	.02737	.00000	.00115	14.942	-.00007	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00064**	**.07919**	**.77075**	**.00690**	**1.9924**	**.02196**	**.00229**	**5.6003**	**.00020**
Stddev	.00003	.00032	.00177	.00542	.00029	.0049	.00003	.00000	.0009	.00009
%RSD	32.034	50.216	2.2401	.70354	4.1672	.24574	.13691	.06085	.01638	44.953
#1	.00010	-.00042	.07793	.76692	.00669	1.9959	.02198	.00230	5.6010	.00014
#2	.00006	-.00087	.08044	.77459	.00710	1.9890	.02194	.00229	5.5997	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**-.00102**	**2.2686**	**.00131**	**.00173**	**5.3820**	**11.518**	**-.00061**	**.13597**	**.00307**
Stddev	.00278	.00106	.0021	.00216	.00220	.0463	.099	.00013	.00124	.00066
%RSD	15.863	104.21	.09036	164.62	127.29	.86031	.86031	22.187	.90995	21.612
#1	.01557	-.00177	2.2672	-.00021	.00017	5.3493	11.447	-.00070	.13510	.00353
#2	.01950	-.00027	2.2701	.00284	.00328	5.4148	11.588	-.00051	.13685	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00098**	**-.03484**	**.00051**	**.00950**	**.00090**
Stddev	.00000	.00024	.04568	.00029	.00004	.00118
%RSD	1.4261	24.133	131.11	57.254	.40382	131.95
#1	.00033	.00115	-.06714	.00072	.00952	.00173
#2	.00034	.00081	-.00254	.00031	.00947	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7042.1**	**78799.**	**6535.0**
Stddev	4.3	37.	17.3
%RSD	.06079	.04721	.26536
#1	7039.0	78826.	6547.3
#2	7045.1	78773.	6522.7

Sample Name: 280-49163-c-7-e Acquired: 11/15/2013 2:31:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**.00946**	**-.00135**	**.00743**	**.04324**	**-.00001**	**.00234**	**22.884**	**.00013**	**.00002**
Stddev	.00054	.00015	.00137	.00027	.00016	.00005	.00048	.076	.00010	.00023
%RSD	29.039	1.6130	101.25	3.6748	.36566	766.66	20.579	.33081	82.551	1340.3
#1	-.00224	.00957	-.00038	.00763	.04313	.00003	.00200	22.830	.00005	-.00015
#2	-.00147	.00935	-.00232	.00724	.04335	-.00004	.00268	22.937	.00020	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00030**	**.27067**	**.97493**	**.00197**	**5.2116**	**.01879**	**.00063**	**8.4352**	**.00033**
Stddev	.00004	.00045	.00637	.00272	.00185	.0078	.00002	.00021	.0526	.00017
%RSD	60.121	151.77	2.3550	.27932	94.152	.15020	.11040	34.100	.62340	52.668
#1	.00004	.00002	.26616	.97686	.00066	5.2172	.01881	.00078	8.3980	.00045
#2	.00010	-.00062	.27518	.97301	.00328	5.2061	.01878	.00048	8.4724	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.00031**	**6.5276**	**-.00194**	**.00194**	**6.0611**	**12.971**	**-.00059**	**.23220**	**.00413**
Stddev	.00130	.00119	.0190	.00068	.00180	.0517	.111	.00079	.00087	.00058
%RSD	11.700	382.97	.29032	35.215	92.799	.85281	.85281	132.01	.37261	14.081
#1	.01200	-.00053	6.5410	-.00146	.00322	6.0245	12.893	-.00004	.23158	.00372
#2	.01017	.00115	6.5142	-.00242	.00067	6.0976	13.049	-.00115	.23281	.00454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00120**	**-.03683**	**.00037**	**.01121**	**.00052**
Stddev	.00016	.00025	.01388	.00020	.00045	.00263
%RSD	77.301	20.832	37.690	54.899	3.9949	510.68
#1	.00032	.00138	-.04665	.00023	.01153	.00238
#2	.00009	.00103	-.02702	.00052	.01089	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7015.6**	**78926.**	**6534.6**
Stddev	7.6	125.	13.0
%RSD	.10880	.15842	.19839
#1	7020.9	78838.	6543.8
#2	7010.2	79015.	6525.5

Sample Name: 280-49163-c-8-e Acquired: 11/15/2013 2:33:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**.02431**	**-.00178**	**.01244**	**.06405**	**.00004**	**.00214**	**37.259**	**-.00007**	**.00011**
Stddev	.00056	.00040	.00089	.00005	.00003	.00002	.00132	.037	.00011	.00005
%RSD	43.974	1.6462	50.026	.41105	.04422	43.293	61.621	.09846	148.92	45.193
#1	-.00168	.02403	-.00240	.01241	.06403	.00005	.00121	37.285	-.00015	.00007
#2	-.00088	.02460	-.00115	.01248	.06407	.00003	.00307	37.233	.00000	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00011**	**1.0961**	**1.5878**	**.00397**	**9.5888**	**.22608**	**.00046**	**19.474**	**.00063**
Stddev	.00004	.00012	.0070	.0239	.00011	.0075	.00051	.00011	.029	.00013
%RSD	40.379	110.82	.63641	1.5022	2.8593	.07780	.22525	23.625	.14670	19.981
#1	.00007	-.00002	1.0912	1.6047	.00405	9.5941	.22572	.00039	19.454	.00054
#2	.00013	-.00020	1.1011	1.5710	.00389	9.5836	.22644	.00054	19.494	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04398**	**-.00076**	**14.415**	**.00037**	**-.00027**	**5.9265**	**12.683**	**-.00059**	**.43185**	**.00272**
Stddev	.00091	.00014	.036	.00099	.00185	.0075	.016	.00022	.00087	.00135
%RSD	2.0699	18.456	.24682	266.03	688.05	.12647	.12647	37.913	.20039	49.534
#1	.04333	-.00086	14.440	.00108	-.00157	5.9318	12.694	-.00043	.43246	.00367
#2	.04462	-.00066	14.390	-.00033	.00104	5.9212	12.671	-.00075	.43124	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00021**	W **-.05147**	**.00015**	**.01076**	**-.00060**
Stddev	.00030	.00020	.00657	.00005	.00013	.00148
%RSD	165.30	96.515	12.769	35.384	1.2405	245.17
#1	.00039	.00036	-.04682	.00011	.01085	.00044
#2	-.00003	.00007	-.05612	.00018	.01067	-.00165
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6913.7**	**77773.**	**6467.9**
Stddev	5.8	244.	60.7
%RSD	.08397	.31422	.93795
#1	6917.8	77946.	6425.0
#2	6909.6	77600.	6510.8

Sample Name: 280-49163-c-9-e Acquired: 11/15/2013 2:35:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.01009**	**-.00106**	**.01917**	**.07062**	**.00008**	**.00118**	**82.706**	**.00030**	**-.00017**
Stddev	.00011	.00005	.00230	.00006	.00039	.00007	.00021	.353	.00015	.00000
%RSD	7.9970	.45667	216.84	.33371	.55671	82.301	18.079	.42722	49.416	2.4715
#1	-.00152	.01012	.00057	.01922	.07034	.00013	.00103	82.956	.00040	-.00017
#2	-.00136	.01006	-.00269	.01913	.07089	.00003	.00133	82.457	.00019	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00063**	**.08574**	**1.8230**	**.00456**	**22.844**	**.03291**	**.00025**	**54.312**	**.00033**
Stddev	.00010	.00010	.00226	.0610	.00058	.060	.00005	.00027	.224	.00002
%RSD	178.37	15.801	2.6372	3.3470	12.789	.26142	.15145	109.23	.41155	7.3548
#1	-.00012	-.00056	.08733	1.7798	.00497	22.886	.03295	.00044	54.470	.00032
#2	.00001	-.00070	.08414	1.8661	.00415	22.802	.03288	.00006	54.154	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02038**	**-.00015**	**32.829**	**.00230**	**.00262**	**4.9482**	**10.589**	**-.00079**	**1.4605**	**.00509**
Stddev	.00141	.00018	.032	.00129	.00056	.0069	.015	.00051	.0046	.00009
%RSD	6.9412	116.71	.09762	56.275	21.464	.13962	.13962	63.906	.31433	1.8201
#1	.01938	-.00003	32.806	.00321	.00301	4.9433	10.579	-.00044	1.4637	.00515
#2	.02138	-.00027	32.851	.00138	.00222	4.9531	10.600	-.00115	1.4573	.00502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00063**	W **-.08071**	**.00018**	**.00982**	**-.00088**
Stddev	.00008	.00013	.01398	.00071	.00015	.00120
%RSD	25.616	20.755	17.327	399.94	1.5167	137.11
#1	-.00027	.00072	-.09060	-.00033	.00993	-.00003
#2	-.00039	.00054	-.07082	.00068	.00972	-.00173
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6757.1**	**76267.**	**6452.2**
Stddev	1.9	303.	25.5
%RSD	.02791	.39704	.39564
#1	6755.8	76053.	6434.2
#2	6758.5	76481.	6470.3

Sample Name: 280-49163-c-9-eSD@5 Acquired: 11/15/2013 2:38:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**.00905**	**.00125**	**.00359**	**.01437**	**.00003**	**.00238**	**16.496**	**.00006**	**-.00006**
Stddev	.00019	.00014	.00052	.00059	.00026	.00000	.00011	.242	.00001	.00010
%RSD	14.794	1.5264	41.871	16.433	1.8211	3.0564	4.6823	1.4648	21.227	163.22
#1	-.00117	.00915	.00088	.00400	.01456	.00003	.00230	16.666	.00005	-.00013
#2	-.00145	.00896	.00161	.00317	.01419	.00003	.00246	16.325	.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00129**	**.02982**	**.47003**	**.00081**	**4.6372**	**.00680**	**-.00020**	W **10.591**	**11.470**
Stddev	.00001	.00031	.00179	.04476	.00042	.0163	.00002	.00006	.087	.100
%RSD	16.636	24.267	6.0056	9.5228	51.483	.35108	.26743	28.996	.82258	.87118
#1	-.00007	-.00107	.03108	.50168	.00052	4.6257	.00682	-.00024	10.653	11.540
#2	-.00009	-.00151	.02855	.43838	.00111	4.6487	.00679	-.00016	10.529	11.399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00565**	**-.00045**	**6.4218**	**.00013**	**.00144**	**.99107**	**2.1209**	**.00078**	**.28900**
Stddev	.00016	.00070	.00026	.0015	.00038	.00132	.00120	.0026	.00049	.00360
%RSD	159.93	12.345	59.238	.02419	303.83	91.160	.12091	.12091	63.153	1.2454
#1	-.00021	.00615	-.00026	6.4228	-.00014	.00237	.99022	2.1191	.00043	.29154
#2	.00001	.00516	-.00063	6.4207	.00040	.00051	.99192	2.1227	.00113	.28645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**-.00005**	**-.00028**	W **-.05642**	**.00018**	**.00710**	**.00110**
Stddev	.00143	.00025	.00077	.04294	.00029	.00025	.00007
%RSD	36.738	490.64	274.48	76.122	161.29	3.4491	6.4140
#1	.00490	-.00023	.00026	-.08678	.00038	.00693	.00105
#2	.00288	.00013	-.00083	-.02605	-.00002	.00728	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6936.5**	**77828.**	**6491.4**
Stddev	26.5	483.	79.4
%RSD	.38259	.62043	1.2239
#1	6917.8	78170.	6435.2
#2	6955.3	77487.	6547.5

Sample Name: 280-49163-c-9-f ms Acquired: 11/15/2013 2:40:26 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05314**	**1.9599**	**1.0567**	**1.0826**	**2.0519**	**.04557**	F **2.1333**	**123.44**	**.09520**	**.47239**
Stddev	.00007	.0022	.0004	.0007	.0065	.00001	.0000	.47	.00004	.00079
%RSD	.12424	.11177	.03904	.06439	.31868	.01131	.00113	.38378	.04665	.16763
#1	.05319	1.9583	1.0564	1.0821	2.0473	.04557	2.1333	123.11	.09523	.47295
#2	.05310	1.9614	1.0570	1.0831	2.0566	.04556	2.1333	123.78	.09516	.47183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21141**	**.24976**	**1.0789**	**50.234**	**1.0057**	**73.096**	**.50840**	**1.0360**	**102.20**	**.51242**
Stddev	.00003	.00027	.0031	.210	.0049	.033	.00076	.0009	.32	.00094
%RSD	.01430	.10756	.29124	.41877	.48981	.04577	.14904	.08520	.30847	.18360
#1	.21139	.24957	1.0767	50.085	1.0022	73.119	.50893	1.0353	101.97	.51175
#2	.21144	.24995	1.0811	50.382	1.0092	73.072	.50786	1.0366	102.42	.51308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.747**	**.44230**	**32.406**	**.51045**	**2.1434**	**14.959**	**32.012**	W **2.0104**	**2.3844**	**.99891**
Stddev	.014	.00020	.030	.00152	.0047	.014	.031	.0048	.0088	.00124
%RSD	.13303	.04560	.09262	.29710	.22165	.09558	.09558	.24037	.37011	.12416
#1	10.758	.44244	32.427	.51152	2.1467	14.969	32.034	2.0070	2.3781	.99979
#2	10.737	.44215	32.384	.50937	2.1400	14.949	31.991	2.0138	2.3906	.99803
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0100**	**1.8179**	**3.2638**	**.47500**	**.49766**	**.46475**
Stddev	.0011	.0001	.0180	.00032	.00255	.00491
%RSD	.11183	.00294	.55190	.06723	.51320	1.0570
#1	1.0092	1.8180	3.2766	.47523	.49585	.46127
#2	1.0108	1.8179	3.2511	.47478	.49946	.46822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6686.3**	**74691.**	**6469.1**
Stddev	10.0	28.	39.2
%RSD	.14898	.03794	.60597
#1	6693.4	74671.	6496.8
#2	6679.3	74711.	6441.4

Sample Name: 280-49163-c-9-g msd Acquired: 11/15/2013 2:42:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05226**	**1.9581**	**1.0555**	**1.0920**	**2.0519**	**.04573**	F **2.1224**	**126.15**	**.09494**	**.46925**
Stddev	.00020	.0051	.0011	.0065	.0057	.00029	.0097	.08	.00033	.00020
%RSD	.37338	.26078	.10060	.59277	.27578	.63250	.45704	.06038	.34848	.04208
#1	.05239	1.9545	1.0562	1.0966	2.0559	.04594	2.1292	126.21	.09517	.46911
#2	.05212	1.9617	1.0547	1.0874	2.0479	.04553	2.1155	126.10	.09470	.46939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21125**	**.24571**	**1.0932**	**50.403**	**1.0055**	**73.337**	**.50568**	**1.0375**	**104.09**	**.51154**
Stddev	.00092	.00127	.0124	.061	.0028	.015	.00001	.0028	.37	.00357
%RSD	.43614	.51696	1.1390	.12131	.27746	.02093	.00166	.27182	.35657	.69805
#1	.21190	.24660	1.1021	50.360	1.0075	73.326	.50568	1.0355	104.35	.51407
#2	.21059	.24481	1.0844	50.446	1.0035	73.348	.50567	1.0394	103.82	.50902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.700**	**.44231**	**33.266**	**.51092**	**2.1497**	**15.233**	**32.599**	W **2.0280**	**2.4338**	**.98982**
Stddev	.004	.00336	.076	.00353	.0090	.033	.071	.0098	.0029	.00512
%RSD	.03504	.76018	.22831	.69156	.41712	.21686	.21686	.48531	.11791	.51714
#1	10.702	.44469	33.320	.51342	2.1561	15.210	32.549	2.0350	2.4358	.99344
#2	10.697	.43993	33.213	.50842	2.1434	15.257	32.649	2.0210	2.4317	.98620
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0114**	**1.8167**	**3.2058**	**.47212**	**.49686**	**.46400**
Stddev	.0012	.0051	.0110	.00300	.00287	.00283
%RSD	.11727	.28280	.34226	.63512	.57770	.60893
#1	1.0122	1.8204	3.1981	.47424	.49483	.46201
#2	1.0105	1.8131	3.2136	.47000	.49889	.46600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.2**	**74836.**	**6408.5**
Stddev	16.4	434.	41.9
%RSD	.24592	.58040	.65347
#1	6677.7	75143.	6438.1
#2	6654.6	74529.	6378.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 2:44:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00869**	**47.842**	**-.00012**	**.00373**	**.00116**	**-.00009**	W **1.0773**	**.02979**	**.00081**	**-.00119**	**.00033**	**-.00805**
Stddev	.00000	.088	.00231	.00008	.00016	.00010	.0054	.00527	.00019	.00008	.00019	.00019
%RSD	.03764	.18346	1889.1	2.2712	13.674	110.60	.50165	17.676	23.896	6.3947	57.307	2.3306
#1	-.00870	47.904	.00151	.00379	.00127	-.00002	1.0811	.03351	.00068	-.00125	.00047	-.00818
#2	-.00869	47.780	-.00176	.00367	.00105	-.00017	1.0735	.02607	.00095	-.00114	.00020	-.00792
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.611**	**.18247**	**.00046**	**.05447**	**-.00005**	**.00095**	**254.12**	**-.00076**	**.00360**	**-.00258**	**5.0690**	**.00197**
Stddev	.221	.00238	.00043	.00554	.00006	.00004	.26	.00045	.00045	.00056	.0255	.00269
%RSD	.43590	1.3057	92.991	10.178	118.54	4.0124	.10090	59.150	12.609	21.729	.50345	136.78
#1	50.455	.18415	.00076	.05055	-.00001	.00092	254.30	-.00107	.00392	-.00219	5.0871	.00006
#2	50.767	.18078	.00016	.05839	-.00009	.00098	253.93	-.00044	.00328	-.00298	5.0510	.00387
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**.01015**	**.02173**	**.00059**	**.00041**	**5.1209**	**.01495**	**.00227**	F **8.3885**	**.00067**	**.00264**	**-.08038**
Stddev	.00426	.01532	.03278	.00028	.00007	.0144	.00056	.00125	.1098	.00040	.00012	.00255
%RSD	216.97	150.88	150.88	47.683	16.302	.28224	3.7535	54.963	1.3090	59.782	4.6670	3.1751
#1	-.00498	.02098	.04491	.00039	.00046	5.1107	.01535	.00139	8.4662	.00096	.00255	-.08218
#2	.00105	-.00068	-.00145	.00079	.00036	5.1311	.01455	.00315	8.3109	.00039	.00273	-.07857
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6849.1**	**75637.**	**6401.3**
Stddev	18.0	221.	68.8
%RSD	.26281	.29213	1.0748
#1	6861.8	75793.	6352.7
#2	6836.3	75481.	6450.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 2:47:01 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56302	.54912	1.0781	.54188	.51265	.46851	-.00756	4.6671	.48678	.50742	.54858	.50893
Stddev	.00150	.00265	.0001	.00025	.00095	.00127	.00218	.0116	.00022	.00127	.00143	.00160
%RSD	.26570	.48340	.01020	.04685	.18628	.27187	28.843	.24903	.04616	.25092	.25988	.31415
#1	.56408	.55100	1.0782	.54170	.51198	.46761	-.00602	4.6589	.48662	.50832	.54958	.51006
#2	.56196	.54725	1.0780	.54206	.51333	.46941	-.00910	4.6753	.48694	.50652	.54757	.50780
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.490%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6600	48.782	1.0164	21.179	.50282	.53582	5.3810	F .55361	1.0709	.96197	.01204	1.0369
Stddev	.0037	.012	.0014	.007	.00002	.00172	.0132	.00055	.0001	.00354	.00026	.0039
%RSD	.13782	.02411	.13924	.03509	.00381	.32071	.24522	.09977	.00995	.36828	2.1353	.37292
#1	2.6574	48.791	1.0154	21.184	.50284	.53704	5.3717	.55322	1.0708	.96447	.01186	1.0396
#2	2.6626	48.774	1.0174	21.174	.50281	.53461	5.3903	.55400	1.0710	.95946	.01222	1.0342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.490%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 1.1048	5.2338	11.200	1.0635	.49555	.00466	.51584	1.0100	-.01192	.48281	.52855	.49459
Stddev	.0048	.0076	.016	.0051	.00133	.00020	.00034	.0016	.02209	.00142	.00093	.00196
%RSD	.43377	.14434	.14434	.47761	.26749	4.3670	.06543	.15458	185.35	.29457	.17588	.39538
#1	1.1082	5.2284	11.189	1.0671	.49462	.00451	.51560	1.0111	.00370	.48180	.52921	.49597
#2	1.1014	5.2391	11.212	1.0599	.49649	.00480	.51608	1.0089	-.02754	.48381	.52789	.49321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000											
Range	10.000%											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6890.0	76536.	6324.0
Stddev	14.9	246.	43.6
%RSD	.21654	.32133	.68910
#1	6879.5	76710.	6293.2
#2	6900.6	76363.	6354.9

Sample Name: CCB Acquired: 11/15/2013 2:49:09 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00116	.00042	-.00081	.00249	F .00282	F .00051	.00146	F .15840	.00002	-.00019	-.00009
Stddev	.00103	.00026	.00107	.00008	.00314	.00045	.00136	.22829	.00006	.00007	.00009
%RSD	89.263	61.015	131.28	3.1712	111.59	88.265	92.882	144.12	260.58	37.581	108.02
#1	-.00043	.00060	-.00157	.00243	.00504	.00082	.00050	.31983	.00006	-.00014	-.00015
#2	-.00189	.00024	-.00006	.00254	.00059	.00019	.00243	-.00303	-.00002	-.00024	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00115	.00050		.06900			
Low Limit	-.00093				-.00115	-.00050		-.06900			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00795	F .03989	.21514	.00190	.00278	.00004	.00029	F .56209	-.00035	.00174	-.00014
Stddev	.00038	.05723	.08000	.00246	.00247	.00007	.00010	.38488	.00010	.00103	.00038
%RSD	4.7285	143.45	37.184	129.38	88.943	170.75	33.788	68.472	29.131	59.208	263.43
#1	.00769	.08036	.27171	.00364	.00453	-.00001	.00036	.83424	-.00042	.00101	.00012
#2	.00822	-.00057	.15858	.00016	.00103	.00009	.00022	.28994	-.00028	.00246	-.00041
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272	.03000						.18320			
Low Limit	-.00272	-.03000						-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02260	W .00531	.00060	W .03487	.07462	-.00014	F .00322	.00378	-.00007	-.00035	-.01905
Stddev	.01328	.00180	.00057	.04810	.10293	.00009	.00445	.00209	.00017	.00152	.02935
%RSD	58.762	34.013	94.749	137.93	137.93	64.442	138.07	55.208	240.32	431.04	154.06
#1	.01321	.00403	.00020	.06888	.14740	-.00020	.00637	.00525	-.00019	.00072	-.03981
#2	.03200	.00658	.00101	.00086	.00184	-.00008	.00008	.00230	.00005	-.00143	.00170
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470			.00050				
Low Limit		-.00314		-.06940			-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00051	.00399	-.00020
Stddev	.00010	.00027	.00123
%RSD	18.847	6.6875	610.41
#1	.00044	.00380	.00067
#2	.00058	.00418	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6863.6	76951.	6318.6
Stddev	25.6	551.	21.9
%RSD	.37283	.71553	.34657
#1	6881.7	77341.	6303.1
#2	6845.5	76562.	6334.1

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:51:29 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.11242**	**.01408**	**.10848**	**.01071**	**.00093**	**.11827**	**.18607**	**.00471**	**.01047**	**.01109**	**.01440**	**.10273**	**2.9644**
Stddev	.00042	.00031	.00351	.00030	.00069	.00008	.00005	.00085	.00000	.00011	.00001	.00083	.00195	.0387
%RSD	4.3468	.27470	24.916	.27221	6.4522	8.6286	.04362	.45564	.05659	1.0574	.11563	5.7703	1.9018	1.3063
#1	.00943	.11220	.01160	.10869	.01022	.00088	.11823	.18547	.00471	.01040	.01108	.01499	.10411	2.9918
#2	.01002	.11264	.01656	.10827	.01120	.00099	.11830	.18667	.00471	.01055	.01110	.01381	.10135	2.9370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01172**	**.21884**	**.01022**	**.02057**	**1.2375**	**.04506**	**3.1246**	**.00871**	**.00825**	**.00994**	**.01814**	**.50009**	**1.0702**	**.10723**
Stddev	.00333	.00201	.00003	.00016	.0002	.00046	.0111	.00048	.00049	.00217	.00001	.01154	.0247	.00080
%RSD	28.389	.92026	.32598	.76768	.01498	1.0231	.35599	5.5606	5.9034	21.797	.03136	2.3078	2.3078	.74996
#1	.00937	.22026	.01020	.02046	1.2376	.04474	3.1167	.00905	.00860	.01148	.01814	.50825	1.0876	.10666
#2	.01408	.21741	.01025	.02068	1.2373	.04539	3.1324	.00837	.00791	.00841	.01815	.49192	1.0527	.10780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.01680**	**.01008**	**.01659**	**.05037**	**.00960**	**.02498**	**.01404**
Stddev	.00009	.00147	.00001	.00005	.03261	.00039	.00040	.00125
%RSD	.94629	8.7527	.05638	.31487	64.744	4.0134	1.6044	8.8769
#1	.00956	.01784	.01008	.01655	.02731	.00987	.02527	.01316
#2	.00969	.01576	.01007	.01662	.07343	.00933	.02470	.01493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7062.9**	**78543.**	**6410.0**
Stddev	21.2	545.	147.9
%RSD	.30050	.69402	2.3080
#1	7077.9	78157.	6514.7
#2	7047.8	78928.	6305.4

Sample Name: mb 280-200877/1-a Acquired: 11/15/2013 2:53:50 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00156**	**.00183**	**.00045**	**.00138**	**.00045**	**.00010**	**.00359**	**.00546**	**-.00028**	**-.00017**
Stddev	.00088	.00027	.00059	.00038	.00007	.00004	.00079	.00090	.00002	.00015
%RSD	56.248	14.495	130.67	27.519	15.883	36.638	21.951	16.483	6.5130	84.907
#1	-.00094	.00164	.00003	.00111	.00050	.00008	.00303	.00610	-.00027	-.00007
#2	-.00219	.00202	.00087	.00165	.00040	.00013	.00414	.00483	-.00029	-.00027
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00098**	**.00023**	**.06224**	**-.00037**	**.00232**	**.00018**	**-.00020**	W **.24159**	**-.00031**
Stddev	.00008	.00026	.00043	.01010	.00178	.00005	.00002	.00008	.00413	.00015
%RSD	261.96	26.180	188.30	16.228	485.39	2.2042	9.3027	38.990	1.7090	48.314
#1	-.00002	-.00116	.00054	.06938	.00089	.00228	.00017	-.00025	.23867	-.00020
#2	.00008	-.00080	-.00008	.05510	-.00162	.00235	.00019	-.00014	.24451	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00043**	F **.01531**	**.00160**	**-.00192**	F **.01146**	**.02453**	**-.00031**	**-.00005**	W **.00358**
Stddev	.00086	.00033	.00150	.00134	.00093	.00987	.02113	.00006	.00015	.00006
%RSD	270.40	77.949	9.8142	83.705	48.552	86.119	86.119	19.973	326.76	1.7570
#1	-.00029	-.00066	.01637	.00254	-.00258	.01844	.03947	-.00027	-.00015	.00354
#2	.00093	-.00019	.01424	.00065	-.00126	.00448	.00959	-.00036	.00006	.00363
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00049**	**-.00272**	**-.00034**	W **.00381**	**.00012**
Stddev	.00004	.00019	.02193	.00037	.00025	.00214
%RSD	18.298	39.367	804.96	107.09	6.5310	1839.5
#1	-.00026	.00035	-.01823	-.00060	.00363	.00163
#2	-.00020	.00063	.01278	-.00008	.00399	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.8**	**77562.**	**6316.8**
Stddev	9.6	452.	11.9
%RSD	.13853	.58319	.18764
#1	6968.6	77882.	6308.5
#2	6954.9	77242.	6325.2

Sample Name: lcs 280-200877/2-a Acquired: 11/15/2013 2:56:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**2.0156**	**1.0580**	**1.0630**	**2.0259**	**.04662**	**2.1641**	F **44.218**	**.09480**	**.48407**
Stddev	.00023	.0022	.0024	.0033	.0009	.00030	.0052	.107	.00005	.00212
%RSD	.43051	.11023	.22872	.31127	.04388	.64811	.24090	.24286	.04816	.43741
#1	.05337	2.0141	1.0597	1.0653	2.0266	.04641	2.1678	44.293	.09484	.48557
#2	.05305	2.0172	1.0563	1.0607	2.0253	.04684	2.1604	44.142	.09477	.48257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21575**	**.24875**	**1.0460**	**48.713**	**1.0136**	**51.675**	**.48564**	**1.0408**	**51.565**	**.52813**
Stddev	.00103	.00008	.0009	.122	.0010	.426	.00253	.0039	.399	.00385
%RSD	.47596	.03256	.08683	.25062	.10328	.82371	.52159	.37043	.77307	.72839
#1	.21647	.24881	1.0453	48.626	1.0128	51.976	.48743	1.0435	51.283	.53085
#2	.21502	.24870	1.0466	48.799	1.0143	51.374	.48385	1.0381	51.847	.52541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.665**	**.45164**	**.06967**	**.50857**	**2.1706**	**10.300**	**22.042**	**2.0464**	**.97842**	**1.0103**
Stddev	.044	.00065	.08843	.00019	.0004	.040	.086	.0124	.00033	.0051
%RSD	.41584	.14378	126.93	.03671	.01659	.39141	.39141	.60326	.03335	.50239
#1	10.634	.45210	.00714	.50844	2.1703	10.272	21.981	2.0552	.97865	1.0139
#2	10.696	.45118	.13220	.50871	2.1708	10.329	22.103	2.0377	.97819	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0151**	**1.8931**	F **3.3240**	**.47850**	**.50604**	**.46989**
Stddev	.0043	.0080	.0435	.00102	.00656	.00036
%RSD	.41935	.42087	1.3100	.21412	1.2964	.07618
#1	1.0181	1.8987	3.2933	.47922	.51068	.46964
#2	1.0121	1.8875	3.3548	.47778	.50141	.47014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6775.5**	**75126.**	**6329.3**
Stddev	22.1	818.	7.7
%RSD	.32547	1.0890	.12183
#1	6759.9	74548.	6323.9
#2	6791.1	75705.	6334.8

Sample Name: 280-49163-c-1-a Acquired: 11/15/2013 2:58:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**.22327**	**-.00356**	**.02332**	**.08192**	**-.00003**	**.00232**	**52.343**	**.00026**	**-.00020**
Stddev	.00080	.00210	.00038	.00073	.00005	.00004	.00015	.010	.00016	.00014
%RSD	50.511	.94068	10.782	3.1289	.06378	171.66	6.3113	.01964	60.745	68.397
#1	-.00102	.22475	-.00383	.02383	.08196	-.00006	.00243	52.335	.00015	-.00010
#2	-.00215	.22178	-.00328	.02280	.08189	.00001	.00222	52.350	.00037	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00012**	**.33957**	**1.8229**	**.00218**	**17.586**	**.10389**	**.00192**	**62.261**	**.00043**
Stddev	.00005	.00025	.00012	.0471	.00069	.043	.00001	.00004	.034	.00011
%RSD	14.876	205.50	.03675	2.5811	31.641	.24281	.00621	2.0822	.05510	25.725
#1	.00038	.00005	.33966	1.8562	.00266	17.617	.10388	.00189	62.285	.00051
#2	.00031	-.00030	.33948	1.7896	.00169	17.556	.10389	.00195	62.236	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01399**	**.00002**	**23.042**	**.00073**	**.00250**	**5.7719**	**12.352**	**.00007**	**.81710**	**.00384**
Stddev	.00133	.00034	.021	.00139	.00056	.0186	.040	.00035	.00035	.00153
%RSD	9.5219	1487.3	.09008	190.45	22.376	.32303	.32303	491.57	.04239	39.949
#1	.01493	-.00022	23.057	.00172	.00210	5.7587	12.324	.00032	.81685	.00275
#2	.01305	.00026	23.027	-.00025	.00289	5.7851	12.380	-.00018	.81734	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00587**	**.00141**	**-.01384**	**.00108**	**.00515**	**-.00116**
Stddev	.00034	.00014	.05247	.00008	.00019	.00026
%RSD	5.7392	10.095	379.18	7.3378	3.5960	22.281
#1	.00611	.00131	.02326	.00114	.00502	-.00098
#2	.00563	.00151	-.05094	.00103	.00528	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6812.7**	**76388.**	**6381.4**
Stddev	1.3	229.	36.2
%RSD	.01937	.30022	.56780
#1	6811.8	76226.	6355.7
#2	6813.6	76551.	6407.0

Sample Name: 280-49163-c-1-aSD@5 Acquired: 11/15/2013 3:00:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.05429**	**-.00165**	**.00595**	**.01638**	**-.00005**	**.00195**	**10.500**	**-.00017**	**.00000**
Stddev	.00044	.00047	.00109	.00120	.00064	.00003	.00030	.013	.00006	.00010
%RSD	41.738	.86451	65.724	20.232	3.8914	51.265	15.664	.12160	38.115	2219.7
#1	-.00137	.05463	-.00088	.00681	.01592	-.00007	.00173	10.509	-.00012	-.00007
#2	-.00075	.05396	-.00242	.00510	.01683	-.00003	.00216	10.491	-.00021	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00074**	**.16012**	**.42993**	**.00282**	**3.5622**	**.02120**	**.00020**	**12.374**	**-.00019**
Stddev	.00021	.00001	.00471	.03772	.00092	.0148	.00000	.00005	.102	.00002
%RSD	370.93	1.9879	2.9440	8.7734	32.733	.41540	.01279	23.034	.82120	8.5870
#1	.00021	-.00073	.15678	.45661	.00347	3.5517	.02120	.00016	12.302	-.00020
#2	-.00009	-.00075	.16345	.40326	.00217	3.5726	.02120	.00023	12.446	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**-.00106**	**4.4984**	**-.00023**	**.00201**	**1.1303**	**2.4189**	**.00073**	**.16271**	**.00354**
Stddev	.00093	.00092	.0049	.00241	.00073	.0246	.0526	.00039	.00034	.00219
%RSD	33.161	86.628	.10868	1048.4	36.486	2.1731	2.1731	53.087	.20980	61.865
#1	.00214	-.00171	4.4950	.00148	.00252	1.1129	2.3817	.00045	.16247	.00509
#2	.00346	-.00041	4.5019	-.00194	.00149	1.1477	2.4560	.00100	.16295	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00003**	**-.04369**	**.00074**	**.00590**	**-.00126**
Stddev	.00006	.00148	.03957	.00036	.00001	.00072
%RSD	7.7133	4357.2	90.564	48.206	.22713	56.809
#1	.00074	.00108	-.01571	.00099	.00589	-.00177
#2	.00083	-.00101	-.07167	.00049	.00591	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6966.6**	**77579.**	**6354.4**
Stddev	20.7	446.	8.9
%RSD	.29736	.57485	.13932
#1	6952.0	77894.	6348.1
#2	6981.3	77264.	6360.7

Sample Name: 280-49163-c-1-b ms Acquired: 11/15/2013 3:02:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05142**	**2.2950**	**1.0416**	**1.0792**	**2.0397**	**.04512**	F **2.1011**	**94.264**	**.09359**	**.46574**
Stddev	.00017	.0025	.0057	.0092	.0032	.00001	.0174	.033	.00031	.00024
%RSD	.33591	.10819	.54422	.85098	.15554	.02912	.82890	.03482	.33378	.05130
#1	.05130	2.2932	1.0456	1.0857	2.0419	.04511	2.1135	94.287	.09381	.46557
#2	.05155	2.2967	1.0376	1.0727	2.0374	.04513	2.0888	94.241	.09337	.46591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20940**	**.24254**	**1.3360**	**49.815**	**.99548**	**66.861**	**.56853**	**1.0337**	**108.79**	**.50796**
Stddev	.00155	.00201	.0076	.039	.00188	.080	.00066	.0025	.10	.00327
%RSD	.74190	.82914	.57264	.07907	.18873	.12038	.11546	.24084	.09323	.64468
#1	.21050	.24112	1.3415	49.787	.99681	66.918	.56900	1.0355	108.86	.51028
#2	.20831	.24396	1.3306	49.843	.99415	66.804	.56807	1.0320	108.71	.50565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.489**	**.43801**	**22.888**	**.50646**	**2.0961**	**16.079**	**34.410**	W **2.0163**	**1.7524**	**.97924**
Stddev	.004	.00086	.030	.00123	.0178	.041	.088	.0089	.0015	.00202
%RSD	.03907	.19662	.13280	.24346	.85016	.25702	.25702	.44130	.08681	.20609
#1	10.486	.43861	22.909	.50733	2.1087	16.050	34.347	2.0226	1.7535	.97781
#2	10.492	.43740	22.866	.50559	2.0835	16.109	34.472	2.0100	1.7513	.98067
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0132**	**1.7862**	**3.1675**	**.46941**	**.48660**	**.46288**
Stddev	.0010	.0076	.0307	.00116	.00150	.00008
%RSD	.09888	.42535	.97051	.24749	.30831	.01748
#1	1.0139	1.7916	3.1893	.46859	.48766	.46294
#2	1.0125	1.7808	3.1458	.47023	.48554	.46282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6734.2**	**75329.**	**6382.4**
Stddev	7.0	81.	9.9
%RSD	.10424	.10703	.15511
#1	6739.1	75272.	6375.4
#2	6729.2	75386.	6389.4

Sample Name: 280-49163-c-1-c msd Acquired: 11/15/2013 3:05:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05239**	**2.3241**	**1.0508**	**1.0903**	**2.0704**	**.04581**	F **2.1262**	**95.449**	**.09508**	**.47269**
Stddev	.00027	.0017	.0053	.0092	.0017	.00006	.0143	.023	.00080	.00149
%RSD	.51029	.07209	.50269	.84301	.08093	.13297	.67094	.02379	.84078	.31600
#1	.05220	2.3253	1.0470	1.0838	2.0716	.04585	2.1162	95.465	.09451	.47163
#2	.05258	2.3229	1.0545	1.0968	2.0692	.04577	2.1363	95.433	.09564	.47374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21235**	**.24700**	**1.3583**	**50.424**	**1.0079**	**67.642**	**.57823**	**1.0474**	**111.00**	**.51502**
Stddev	.00203	.00050	.0011	.014	.0001	.210	.00149	.0008	.13	.00486
%RSD	.95816	.20320	.08416	.02687	.01010	.31039	.25855	.07653	.12092	.94324
#1	.21091	.24736	1.3591	50.434	1.0078	67.494	.57717	1.0469	110.91	.51159
#2	.21379	.24665	1.3575	50.414	1.0079	67.790	.57929	1.0480	111.10	.51846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.615**	**.44428**	**23.202**	**.51052**	**2.1258**	**16.321**	**34.927**	W **2.0342**	**1.7799**	**.99502**
Stddev	.007	.00564	.052	.00754	.0198	.054	.115	.0162	.0011	.00441
%RSD	.06466	1.2688	.22599	1.4775	.93282	.32911	.32911	.79652	.06008	.44344
#1	10.610	.44029	23.165	.50519	2.1118	16.359	35.009	2.0227	1.7791	.99190
#2	10.620	.44826	23.239	.51585	2.1398	16.283	34.846	2.0456	1.7806	.99814
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0266**	**1.8186**	**3.2621**	**.47474**	**.49063**	**.47053**
Stddev	.0019	.0062	.0291	.00310	.00009	.00016
%RSD	.18877	.34110	.89083	.65321	.01844	.03368
#1	1.0252	1.8142	3.2827	.47693	.49057	.47065
#2	1.0280	1.8229	3.2416	.47254	.49070	.47042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6692.4**	**74793.**	**6427.0**
Stddev	.4	175.	14.0
%RSD	.00631	.23422	.21816
#1	6692.7	74917.	6417.1
#2	6692.1	74669.	6436.9

Sample Name: 280-49163-c-2-a Acquired: 11/15/2013 3:07:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.01971**	**-.00281**	**.02208**	**.06665**	**.00006**	**.00200**	**45.235**	**.00025**	**.00002**
Stddev	.00044	.00028	.00094	.00106	.00010	.00008	.00065	.057	.00014	.00002
%RSD	29.226	1.4209	33.484	4.7998	.14715	143.74	32.301	.12566	55.840	97.534
#1	-.00120	.01991	-.00348	.02283	.06671	.00011	.00245	45.275	.00035	.00001
#2	-.00183	.01951	-.00215	.02133	.06658	.00000	.00154	45.195	.00015	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00071**	**.12133**	**1.5499**	**.00482**	**14.082**	**.06001**	**.00174**	**56.296**	**.00024**
Stddev	.00006	.00029	.00201	.0423	.00021	.034	.00005	.00018	.604	.00026
%RSD	39.964	41.038	1.6528	2.7285	4.2929	.24008	.07594	10.299	1.0724	106.90
#1	.00010	-.00050	.12275	1.5200	.00467	14.106	.06004	.00186	55.869	.00006
#2	.00019	-.00092	.11991	1.5798	.00496	14.058	.05998	.00161	56.723	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00917**	**-.00088**	**19.710**	**.00006**	**.00114**	**5.2386**	**11.211**	**-.00087**	**.67134**	**.00446**
Stddev	.00107	.00173	.011	.00039	.00116	.0077	.016	.00056	.00083	.00150
%RSD	11.680	196.13	.05482	603.35	102.10	.14649	.14649	64.533	.12309	33.637
#1	.00841	.00034	19.703	.00034	.00196	5.2440	11.222	-.00047	.67076	.00340
#2	.00993	-.00210	19.718	-.00021	.00032	5.2332	11.199	-.00126	.67193	.00552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00148**	W **-.07072**	**.00030**	**.00401**	**.00176**
Stddev	.00006	.00006	.01061	.00007	.00011	.00012
%RSD	11.607	4.3228	15.005	23.953	2.6981	7.0582
#1	.00059	.00153	-.06322	.00025	.00409	.00185
#2	.00050	.00144	-.07823	.00035	.00393	.00167
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6882.9**	**76927.**	**6412.5**
Stddev	7.2	52.	71.2
%RSD	.10477	.06712	1.1107
#1	6888.0	76964.	6362.1
#2	6877.8	76891.	6462.8

Sample Name: CCVH-2372891 Acquired: 11/15/2013 3:09:29 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00920**	**47.970**	**-.00112**	**.00296**	**.00066**	**-.00003**	W **1.0766**	**.02271**	**.00079**	**-.00102**	**.00024**	**-.00776**
Stddev	.00051	.130	.00035	.00041	.00024	.00006	.0068	.00205	.00009	.00028	.00003	.00013
%RSD	5.4958	.27192	30.842	13.819	36.646	175.31	.63145	9.0132	11.141	27.511	13.243	1.6449
#1	-.00884	47.878	-.00136	.00325	.00083	.00001	1.0718	.02416	.00073	-.00082	.00022	-.00785
#2	-.00956	48.062	-.00088	.00267	.00049	-.00008	1.0814	.02127	.00085	-.00122	.00027	-.00767
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.543**	**.15527**	**.00069**	**.05471**	**-.00015**	**.00043**	**254.15**	**-.00073**	**.00627**	**-.00238**	**5.0603**	**.00093**
Stddev	.585	.02064	.00050	.00663	.00000	.00041	1.62	.00026	.00060	.00064	.0277	.00044
%RSD	1.1573	13.291	73.379	12.119	.43264	96.748	.63679	35.395	9.6220	26.782	.54745	47.367
#1	50.130	.16986	.00033	.05002	-.00015	.00013	253.00	-.00055	.00670	-.00193	5.0407	.00125
#2	50.957	.14068	.00104	.05940	-.00015	.00072	255.29	-.00091	.00584	-.00284	5.0799	.00062
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00240**	**.00494**	**.01057**	**-.00043**	**.00025**	**5.1222**	**.01504**	**.00237**	F **8.3652**	**.00069**	**.00222**	**-.08273**
Stddev	.00240	.02809	.06011	.00031	.00007	.0004	.00008	.00066	.0251	.00051	.00027	.00025
%RSD	99.998	568.88	568.88	72.795	29.924	.00798	.51201	27.756	.30063	73.926	12.096	.30387
#1	-.00070	.02480	.05307	-.00065	.00030	5.1219	.01499	.00284	8.3829	.00033	.00203	-.08291
#2	-.00410	-.01492	-.03194	-.00021	.00020	5.1225	.01510	.00191	8.3474	.00106	.00241	-.08256
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6868.5**	**75432.**	**6412.1**
Stddev	12.1	250.	26.5
%RSD	.17602	.33199	.41287
#1	6877.1	75254.	6430.8
#2	6860.0	75609.	6393.4

Sample Name: CCV-2372889 Acquired: 11/15/2013 3:11:54 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56091	.54685	1.0710	.54257	.51000	.46702	-.00681	4.6374	.48635	.50631	.54620	.50832	2.6479
Stddev	.00228	.00045	.0023	.00432	.00101	.00143	.00020	.0106	.00139	.00087	.00073	.00091	.0122
%RSD	.40700	.08307	.21207	.79654	.19764	.30622	2.9595	.22869	.28654	.17106	.13369	.17999	.46096
#1	.56252	.54718	1.0694	.53952	.51071	.46803	-.00695	4.6449	.48734	.50570	.54568	.50768	2.6392
#2	.55930	.54653	1.0726	.54563	.50929	.46601	-.00667	4.6299	.48537	.50693	.54671	.50897	2.6565
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000												
Range	10.490%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.637	1.0121	21.110	.50157	.53118	5.3226	F .55254	1.0607	.95866	.00760	1.0291	1.0929	5.1872
Stddev	.207	.0023	.050	.00124	.00178	.0435	.00250	.0014	.00294	.00214	.0030	.0087	.0153
%RSD	.42584	.22845	.23631	.24634	.33531	.81668	.45314	.13654	.30663	28.136	.28898	.79647	.29452
#1	48.783	1.0138	21.145	.50245	.52992	5.3533	.55077	1.0597	.95658	.00609	1.0270	1.0868	5.1980
#2	48.490	1.0105	21.074	.50070	.53244	5.2918	.55431	1.0617	.96074	.00911	1.0312	1.0991	5.1764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							.50000						
Range							10.490%						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.101	1.0508	.49344	.00648	.51470	1.0001	-.02542	.48558	.52716	.49010
Stddev	.033	.0021	.00227	.00073	.00012	.0011	.03058	.00205	.00009	.00113
%RSD	.29452	.20101	.45928	11.337	.02280	.10905	120.28	.42189	.01651	.23073
#1	11.124	1.0493	.49504	.00596	.51478	1.0009	-.00380	.48703	.52722	.48931
#2	11.077	1.0523	.49184	.00700	.51462	.99937	-.04704	.48413	.52710	.49090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6858.0	76191.	6286.5
Stddev	5.3	135.	6.3
%RSD	.07764	.17742	.10029
#1	6854.2	76096.	6282.1
#2	6861.7	76287.	6291.0

Sample Name: CCB Acquired: 11/15/2013 3:14:03 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00144**	**.00010**	**-.00070**	**.00201**	**.00046**	**.00005**	**.00440**	**-.00431**	**-.00009**	**-.00005**	**.00008**
Stddev	.00012	.00040	.00034	.00019	.00035	.00001	.00102	.00129	.00014	.00007	.00015
%RSD	8.0964	421.32	49.482	9.4556	74.927	16.473	23.251	29.832	151.04	136.68	192.79
#1	-.00152	-.00019	-.00094	.00188	.00071	.00005	.00368	-.00522	.00001	.00000	.00019
#2	-.00136	.00038	-.00045	.00215	.00022	.00006	.00512	-.00340	-.00019	-.00010	-.00003
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00120**	**-.00211**	**.18833**	**.00139**	**.00367**	**.00014**	**.00009**	F **.24648**	**-.00027**	**.00085**	**-.00004**
Stddev	.00017	.00015	.00827	.00125	.00325	.00002	.00014	.00588	.00046	.00125	.00098
%RSD	13.704	7.3010	4.3902	90.293	88.536	14.226	155.42	2.3864	170.75	146.67	2768.3
#1	-.00132	-.00200	.18249	.00050	.00597	.00012	.00020	.24232	-.00060	.00174	-.00073
#2	-.00109	-.00222	.19418	.00227	.00137	.00015	-.00001	.25064	.00006	-.00003	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01215**	W **.00622**	**-.00222**	**-.00026**	**-.00056**	**-.00007**	**-.00006**	**.00503**	**.00001**	**.00051**	**-.02656**
Stddev	.00007	.00124	.00114	.01521	.03254	.00057	.00018	.00122	.00017	.00041	.00832
%RSD	.59906	19.973	51.189	5761.7	5761.7	828.96	292.34	24.265	2376.9	80.331	31.316
#1	.01220	.00534	-.00142	.01049	.02245	-.00047	-.00019	.00417	-.00011	.00080	-.02068
#2	.01210	.00710	-.00303	-.01102	-.02358	.00033	.00006	.00590	.00013	.00022	-.03244
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00009**	**.00349**	**-.00136**
Stddev	.00025	.00073	.00289
%RSD	279.55	20.993	212.01
#1	-.00009	.00400	-.00341
#2	.00026	.00297	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6857.7**	**77278.**	**6165.9**
Stddev	7.7	162.	60.3
%RSD	.11230	.21024	.97805
#1	6852.3	77164.	6123.3
#2	6863.2	77393.	6208.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 3:16:23 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**.11539**	**.01473**	**.10843**	**.01050**	**.00101**	**.12076**	**.18611**	**.00479**	**.01032**	**.01097**	**.01385**	**.10330**	**2.9969**
Stddev	.00035	.00451	.00044	.00031	.00031	.00002	.00280	.00221	.00004	.00010	.00017	.00008	.00307	.0526
%RSD	3.6995	3.9084	3.0170	.28976	2.9181	2.4096	2.3204	1.1854	.76036	.93276	1.5399	.59218	2.9700	1.7555
#1	.00910	.11858	.01505	.10865	.01072	.00103	.11878	.18455	.00482	.01025	.01109	.01390	.10547	3.0341
#2	.00959	.11220	.01442	.10820	.01028	.00099	.12274	.18767	.00477	.01039	.01085	.01379	.10113	2.9597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.22155**	**.01024**	**.02086**	**1.2352**	**.04500**	**3.1240**	**.00896**	**.01134**	**.01004**	**.01745**	**.51710**	**1.1066**	**.10901**
Stddev	.00138	.00201	.00003	.00011	.0065	.00004	.0037	.00104	.00491	.00018	.00111	.00502	.0107	.00010
%RSD	12.485	.90513	.28327	.51764	.52534	.09142	.11734	11.636	43.310	1.8238	6.3605	.97009	.97009	.09163
#1	.01206	.22013	.01022	.02078	1.2306	.04503	3.1214	.00969	.01482	.01017	.01824	.52064	1.1142	.10894
#2	.01010	.22297	.01026	.02094	1.2398	.04497	3.1266	.00822	.00787	.00991	.01667	.51355	1.0990	.10908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.01805**	**.01032**	**.01660**	**.07400**	**.00985**	**.02456**	**.01335**
Stddev	.00013	.00047	.00023	.00045	.03779	.00010	.00025	.00071
%RSD	1.3440	2.6245	2.2170	2.7017	51.065	1.0578	1.0047	5.3215
#1	.00989	.01839	.01048	.01691	.04728	.00992	.02473	.01285
#2	.00970	.01772	.01015	.01628	.10072	.00977	.02438	.01385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7124.3**	**79481.**	**6320.0**
Stddev	6.8	873.	4.5
%RSD	.09524	1.0984	.07074
#1	7119.5	78864.	6323.2
#2	7129.1	80099.	6316.8

Sample Name: 280-49163-c-3-a Acquired: 11/15/2013 3:18:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.46398**	**-.00086**	**.01513**	**.07503**	**.00007**	**.00131**	**51.996**	**.00037**	**.00011**
Stddev	.00067	.00043	.00313	.00009	.00116	.00002	.00006	.066	.00015	.00004
%RSD	45.778	.09183	363.11	.56344	1.5455	35.937	4.9017	.12627	41.550	33.566
#1	-.00194	.46428	.00135	.01507	.07585	.00008	.00126	52.042	.00026	.00013
#2	-.00099	.46368	-.00307	.01519	.07421	.00005	.00135	51.949	.00047	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00021**	**.74724**	**2.1669**	**.00385**	**14.402**	**.30741**	**.00060**	**32.563**	**.00080**
Stddev	.00009	.00028	.00642	.0143	.00129	.035	.00012	.00006	1.232	.00010
%RSD	21.363	135.07	.85920	.65855	33.471	.24368	.03741	9.3821	3.7844	12.547
#1	.00051	-.00001	.75178	2.1770	.00294	14.427	.30749	.00056	33.434	.00087
#2	.00038	-.00040	.74270	2.1568	.00477	14.377	.30732	.00064	31.692	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03223**	**-.00006**	**13.720**	**.00085**	**.00064**	**6.4143**	**13.727**	**-.00061**	**.72244**	**.00556**
Stddev	.00139	.00082	.004	.00290	.00237	.0472	.101	.00027	.00340	.00188
%RSD	4.3174	1330.2	.03101	341.83	372.28	.73519	.73519	43.934	.47122	33.745
#1	.03125	.00052	13.717	.00290	-.00104	6.4477	13.798	-.00080	.72485	.00689
#2	.03322	-.00064	13.723	-.00120	.00231	6.3810	13.655	-.00042	.72003	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01268**	**.00078**	W **-.07885**	**.00118**	**.00556**	**-.00040**
Stddev	.00121	.00092	.06096	.00053	.00063	.00011
%RSD	9.5305	118.57	77.321	45.157	11.392	26.936
#1	.01182	.00143	-.12195	.00080	.00601	-.00047
#2	.01353	.00013	-.03574	.00156	.00512	-.00032
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6867.5**	**76697.**	**6443.9**
Stddev	10.2	168.	44.3
%RSD	.14892	.21944	.68701
#1	6860.3	76578.	6475.2
#2	6874.7	76816.	6412.6

Sample Name: 280-49163-c-4-b Acquired: 11/15/2013 3:21:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**.23528**	**-.00044**	**.00989**	**.05010**	**.00000**	**.00175**	**27.993**	**.00009**	**.00013**
Stddev	.00008	.00162	.00261	.00078	.00056	.00002	.00066	.101	.00000	.00015
%RSD	5.0709	.68837	594.49	7.8706	1.1125	499.67	37.776	.35968	.29826	117.20
#1	-.00168	.23642	-.00228	.00934	.04971	.00002	.00222	28.064	.00009	.00002
#2	-.00157	.23413	.00140	.01044	.05050	-.00001	.00128	27.922	.00009	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00033**	**.63689**	**1.1338**	**.00206**	**6.6146**	**.05378**	**.00052**	**12.190**	**.00040**
Stddev	.00003	.00043	.00853	.0327	.00218	.0100	.00018	.00011	.100	.00011
%RSD	13.394	131.07	1.3391	2.8843	105.61	.15100	.33289	20.604	.82227	28.161
#1	.00027	-.00002	.63086	1.1106	.00360	6.6216	.05365	.00044	12.261	.00032
#2	.00022	-.00063	.64292	1.1569	.00052	6.6075	.05391	.00059	12.119	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02090**	**-.00031**	**9.3054**	**.00083**	**-.00026**	**5.6568**	**12.106**	**-.00031**	**.30141**	**.00377**
Stddev	.00081	.00118	.0380	.00109	.00048	.0450	.096	.00023	.00092	.00035
%RSD	3.8606	379.15	.40844	130.48	183.15	.79513	.79513	73.544	.30448	9.3744
#1	.02033	.00052	9.2785	.00160	-.00060	5.6250	12.038	-.00015	.30206	.00352
#2	.02147	-.00115	9.3322	.00006	.00008	5.6886	12.174	-.00047	.30076	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00623**	**.00048**	**-.01741**	**.00083**	**.00562**	**.00118**
Stddev	.00069	.00022	.01969	.00058	.00017	.00001
%RSD	11.081	46.419	113.15	70.091	3.0184	.91704
#1	.00672	.00063	-.03133	.00042	.00574	.00118
#2	.00574	.00032	-.00348	.00124	.00550	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.4**	**78140.**	**6535.1**
Stddev	18.8	207.	53.4
%RSD	.26869	.26527	.81776
#1	7007.6	77994.	6497.3
#2	6981.1	78287.	6572.9

Sample Name: 280-49163-c-5-a Acquired: 11/15/2013 3:23:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.04040**	**-.00065**	**.00878**	**.04637**	**.00007**	**.00291**	**26.066**	**-.00001**	**.00000**
Stddev	.00027	.00028	.00078	.00009	.00080	.00001	.00063	.099	.00031	.0000
%RSD	22.743	.68555	119.38	1.0501	1.7215	8.6332	21.516	.37915	3921.1	1730.9
#1	-.00137	.04021	-.00120	.00872	.04580	.00007	.00336	25.996	-.00023	.00002
#2	-.00099	.04060	-.00010	.00885	.04693	.00008	.00247	26.136	.00021	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00050**	**.41178**	**1.0549**	**.00369**	**6.0147**	**.02525**	**.00064**	W **10.621**	**11.603**
Stddev	.00012	.00021	.00342	.0214	.00126	.0309	.00015	.00019	.063	.073
%RSD	775.92	42.713	.83104	2.0292	34.134	.51345	.60834	29.550	.59139	.63226
#1	.00007	-.00035	.40936	1.0700	.00458	5.9929	.02514	.00077	10.577	11.551
#2	-.00010	-.00065	.41420	1.0397	.00280	6.0366	.02536	.00051	10.665	11.655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.01410**	**-.00024**	**8.7070**	**.00053**	**.00131**	**5.4620**	**11.689**	**-.00078**	**.26901**
Stddev	.00025	.00070	.00064	.0440	.00230	.00182	.0223	.048	.00092	.00134
%RSD	49.807	4.9933	262.20	.50483	432.86	138.42	.40894	.40894	118.83	.49955
#1	.00033	.01460	-.00070	8.6759	-.00110	.00003	5.4463	11.655	-.00143	.26806
#2	.00069	.01360	.00021	8.7381	.00216	.00260	5.4778	11.723	-.00012	.26996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00469**	**.00124**	**.00100**	W **-.05324**	**.00067**	**.00500**	**.00077**
Stddev	.00086	.00041	.00010	.00876	.00031	.00011	.00040
%RSD	18.281	33.054	9.6993	16.457	46.141	2.2956	52.114
#1	.00530	.00095	.00093	-.05943	.00089	.00492	.00105
#2	.00408	.00153	.00107	-.04704	.00045	.00508	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6996.8**	**78564.**	**6518.8**
Stddev	18.2	325.	14.7
%RSD	.26077	.41352	.22496
#1	7009.7	78794.	6508.4
#2	6983.9	78334.	6529.1

Sample Name: 280-49163-c-6-b Acquired: 11/15/2013 3:25:49 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.10715**	**-.00104**	**.00620**	**.02693**	**.00011**	**.00124**	**14.574**	**-.00023**	**-.00004**
Stddev	.00017	.00079	.00183	.00063	.00021	.00002	.00526	.005	.00007	.00008
%RSD	13.473	.73595	175.91	10.088	.79833	20.522	425.44	.03281	29.261	218.33
#1	-.00117	.10771	.00025	.00665	.02708	.00010	-.00248	14.570	-.00018	.00002
#2	-.00141	.10660	-.00234	.00576	.02678	.00013	.00496	14.577	-.00028	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00012**	**.12057**	**.75504**	**.00452**	**1.9630**	**.02070**	**.00216**	**5.4124**	**.00007**
Stddev	.00005	.00015	.00135	.01746	.00159	.0042	.00000	.00009	.0268	.00016
%RSD	639.28	125.32	1.1233	2.3128	35.114	.21255	.01776	4.0475	.49573	241.29
#1	.00005	.00022	.12153	.76738	.00565	1.9600	.02070	.00209	5.4314	-.00005
#2	-.00003	.00001	.11961	.74269	.00340	1.9659	.02070	.00222	5.3935	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01875**	**-.00045**	**2.1746**	**.00019**	**.00163**	**5.3529**	**11.455**	**-.00148**	**.13230**	**.00518**
Stddev	.00038	.00081	.0008	.00059	.00374	.0579	.124	.00014	.00017	.00154
%RSD	2.0214	178.48	.03772	304.15	230.22	1.0818	1.0818	9.2479	.13207	29.777
#1	.01901	-.00103	2.1740	-.00022	-.00102	5.3938	11.543	-.00138	.13243	.00627
#2	.01848	.00012	2.1752	.00061	.00427	5.3119	11.368	-.00157	.13218	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**-.00001**	W **-.08400**	**.00048**	**.00431**	**-.00121**
Stddev	.00029	.00056	.00278	.00042	.00032	.00069
%RSD	9.4739	8784.8	3.3081	86.472	7.5105	57.042
#1	.00289	.00039	-.08597	.00019	.00454	-.00170
#2	.00331	-.00040	-.08204	.00078	.00408	-.00072
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7081.6**	**79005.**	**6516.4**
Stddev	3.3	78.	17.0
%RSD	.04600	.09818	.26066
#1	7083.9	78950.	6528.4
#2	7079.3	79060.	6504.4

Sample Name: 280-49163-c-7-b Acquired: 11/15/2013 3:28:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.05909**	**-.00133**	**.00761**	**.04473**	**.00038**	**.00062**	**23.034**	**-.00007**	**.00001**
Stddev	.00037	.00043	.00041	.00002	.00192	.00039	.00228	.049	.00011	.00015
%RSD	24.692	.73576	30.860	.20618	4.2953	102.80	367.89	.21327	162.14	1466.1
#1	-.00125	.05940	-.00104	.00760	.04337	.00010	.00223	23.069	-.00014	.00012
#2	-.00178	.05878	-.00162	.00762	.04609	.00066	-.00099	23.000	.00001	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00059**	**.34042**	**1.0224**	**.00408**	**5.2828**	**.01944**	**.00073**	**9.1805**	**.00032**
Stddev	.00002	.00006	.04904	.0892	.00001	.0210	.00013	.00010	1.0650	.00036
%RSD	15.643	9.9686	14.405	8.7219	.25131	.39743	.64917	13.734	11.600	110.41
#1	.00013	-.00055	.30574	.95939	.00407	5.2976	.01935	.00066	8.4275	.00007
#2	.00016	-.00063	.37509	1.0855	.00409	5.2679	.01953	.00080	9.9336	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01742**	**.00040**	**6.5259**	**-.00053**	**-.00083**	**6.0641**	**12.977**	**-.00032**	**.23519**	**.00432**
Stddev	.00414	.00001	.0875	.00247	.00313	.0433	.093	.00013	.00106	.00062
%RSD	23.781	1.3234	1.3407	466.59	375.04	.71474	.71474	41.431	.45081	14.347
#1	.02035	.00040	6.5878	.00122	.00138	6.0948	13.043	-.00041	.23444	.00388
#2	.01449	.00039	6.4640	-.00228	-.00305	6.0335	12.912	-.00023	.23594	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00067**	**-.04528**	**-.00007**	**.00505**	**-.00008**
Stddev	.00008	.00120	.01018	.00048	.00024	.00118
%RSD	5.3024	179.35	22.488	667.64	4.7988	1512.4
#1	.00147	.00152	-.03808	-.00041	.00487	-.00091
#2	.00159	-.00018	-.05248	.00027	.00522	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.0**	**78554.**	**6599.3**
Stddev	20.2	303.	19.9
%RSD	.28585	.38585	.30211
#1	7038.7	78339.	6585.2
#2	7067.2	78768.	6613.4

Sample Name: 280-49163-c-8-b Acquired: 11/15/2013 3:30:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**.32989**	**-.00188**	**.01242**	**.06553**	**.00002**	**.00158**	**36.890**	**.00009**	**.00042**
Stddev	.00027	.00106	.00006	.00036	.00059	.00004	.00065	.137	.00008	.00021
%RSD	19.473	.32001	3.2260	2.8997	.90576	172.46	40.949	.37196	85.461	50.495
#1	-.00122	.32914	-.00192	.01217	.06511	-.00001	.00204	36.793	.00014	.00057
#2	-.00160	.33063	-.00183	.01268	.06595	.00005	.00112	36.987	.00004	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00012**	**1.4017**	**1.6417**	**.00160**	**9.4875**	**.25139**	**.00057**	**18.741**	**.00090**
Stddev	.00021	.00037	.0001	.0210	.00040	.0122	.00082	.00005	.413	.00022
%RSD	62.462	307.53	.00608	1.2797	24.654	.12828	.32706	9.1889	2.2026	23.915
#1	.00049	-.00038	1.4016	1.6269	.00132	9.4789	.25197	.00061	18.450	.00075
#2	.00019	.00014	1.4017	1.6566	.00188	9.4961	.25081	.00054	19.033	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05843**	**-.00056**	**14.046**	**-.00044**	**-.00093**	**6.2275**	**13.327**	**-.00054**	**.42501**	**.00178**
Stddev	.00003	.00057	.025	.00301	.00300	.0408	.087	.00056	.00165	.00071
%RSD	.05408	100.86	.17765	690.96	323.10	.65465	.65465	104.89	.38833	40.029
#1	.05840	-.00016	14.029	-.00256	.00119	6.1987	13.265	-.00093	.42384	.00228
#2	.05845	-.00097	14.064	.00169	-.00305	6.2563	13.389	-.00014	.42618	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.00094**	**.01561**	**.00101**	**.00632**	**.00013**
Stddev	.00013	.00098	.02370	.00035	.00063	.00024
%RSD	1.4569	103.59	151.78	34.992	10.029	182.67
#1	.00898	.00025	-.00114	.00126	.00587	.00030
#2	.00916	.00164	.03237	.00076	.00677	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.0**	**77987.**	**6431.3**
Stddev	9.9	567.	37.2
%RSD	.14220	.72666	.57813
#1	6943.0	78387.	6457.6
#2	6957.0	77586.	6405.0

Sample Name: 280-49163-c-9-b Acquired: 11/15/2013 3:32:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**.12889**	**-.00111**	**.01978**	**.07464**	**.00006**	**.00003**	**86.125**	**.00019**	**-.00022**
Stddev	.00043	.00120	.00004	.00011	.00042	.00001	.00068	.162	.00004	.00020
%RSD	27.737	.93392	3.4932	.57160	.55902	11.152	2180.2	.18785	22.665	90.034
#1	-.00125	.12974	-.00114	.01986	.07493	.00006	-.00045	86.239	.00016	-.00036
#2	-.00186	.12804	-.00109	.01970	.07434	.00005	.00051	86.010	.00022	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00001**	**.12827**	**1.8488**	**.00496**	**23.604**	**.03120**	**.00006**	**56.656**	**-.00012**
Stddev	.00013	.00024	.00064	.0163	.00059	.056	.00009	.00006	.208	.00019
%RSD	306.28	1951.5	.49867	.88195	11.849	.23541	.27792	99.707	.36682	154.41
#1	.00013	.00018	.12782	1.8603	.00537	23.643	.03114	.00002	56.509	-.00025
#2	-.00005	-.00016	.12872	1.8372	.00454	23.565	.03126	.00010	56.803	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02968**	**-.00084**	**33.850**	**.00157**	**.00312**	**5.2612**	**11.259**	**-.00056**	**1.5140**	**.00318**
Stddev	.00089	.00077	.052	.00038	.00002	.0287	.061	.00033	.0001	.00067
%RSD	3.0086	92.597	.15245	24.529	.56675	.54551	.54551	58.253	.00892	21.183
#1	.03031	-.00029	33.813	.00184	.00313	5.2409	11.215	-.00079	1.5141	.00270
#2	.02905	-.00138	33.886	.00129	.00310	5.2815	11.302	-.00033	1.5139	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00007**	**-.03579**	**.00091**	**.00509**	**-.00077**
Stddev	.00004	.00103	.01348	.00004	.00022	.00133
%RSD	5.2401	1543.9	37.668	4.1553	4.3135	171.81
#1	.00070	-.00066	-.02625	.00088	.00524	-.00172
#2	.00076	.00079	-.04532	.00093	.00493	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6796.4**	**76701.**	**6375.7**
Stddev	3.4	365.	40.3
%RSD	.04987	.47541	.63158
#1	6794.0	76443.	6404.2
#2	6798.8	76959.	6347.2

Sample Name: 280-49167-c-1-a Acquired: 11/15/2013 3:35:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**.01013**	**-.00265**	**.02444**	**.47540**	**.00000**	**-.00060**	**2.9614**	**-.00016**	**-.00047**
Stddev	.00030	.00041	.00033	.00077	.00006	.00001	.00120	.0182	.00004	.00009
%RSD	21.392	4.0766	12.430	3.1449	.01192	649.28	197.65	.61382	25.325	18.889
#1	-.00118	.01042	-.00242	.02499	.47544	.00000	-.00145	2.9742	-.00019	-.00053
#2	-.00160	.00984	-.00289	.02390	.47536	.00000	.00024	2.9485	-.00013	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00108**	**1.8546**	**2.2207**	**.02843**	**.81143**	**.02779**	**.00115**	**317.43**	**.00141**
Stddev	.00008	.00030	.0035	.0510	.00038	.00111	.00003	.00016	1.00	.00044
%RSD	7.3390	28.224	.18742	2.2945	1.3266	.13658	.10042	14.174	.31414	31.454
#1	.00116	.00086	1.8571	2.1846	.02816	.81064	.02777	.00103	318.14	.00110
#2	.00105	.00129	1.8522	2.2567	.02870	.81221	.02781	.00126	316.73	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01735**	**-.00020**	**.07047**	**-.00029**	**.00290**	**7.5108**	**16.073**	**-.00029**	**.26552**	**.00165**
Stddev	.00089	.00092	.00334	.00036	.00568	.0975	.209	.00041	.00022	.00003
%RSD	5.1396	455.69	4.7378	122.69	195.78	1.2987	1.2987	141.77	.08449	1.8560
#1	.01798	-.00086	.07283	-.00004	-.00112	7.5798	16.221	.00000	.26536	.00163
#2	.01672	.00045	.06811	-.00055	.00692	7.4418	15.925	-.00058	.26568	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00120**	**-.00352**	**-.00013**	**.00546**	**-.00083**
Stddev	.00003	.00092	.00405	.00040	.00026	.00000
%RSD	68.518	76.703	115.01	306.60	4.8003	.25006
#1	.00002	.00185	-.00638	.00015	.00565	-.00083
#2	.00006	.00055	-.00066	-.00042	.00528	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6707.3**	**74783.**	**6394.8**
Stddev	14.2	354.	32.7
%RSD	.21126	.47279	.51069
#1	6717.3	75033.	6417.9
#2	6697.2	74533.	6371.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 3:37:40 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00907**	**48.204**	**-.00186**	**.00097**	**.00090**	**-.00002**	W **1.0825**	**.01572**	**.00070**	**-.00113**	**.00020**	**-.00765**
Stddev	.00011	.369	.00048	.00030	.00028	.00000	.0024	.00395	.00007	.00003	.00007	.00028
%RSD	1.2484	.76542	25.517	30.343	31.141	3.6123	.21829	25.098	9.9867	2.8661	34.435	3.6524
#1	-.00899	47.943	-.00153	.00076	.00070	-.00002	1.0809	.01851	.00065	-.00111	.00015	-.00745
#2	-.00915	48.465	-.00220	.00118	.00110	-.00003	1.0842	.01293	.00075	-.00116	.00025	-.00785
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.798**	**.11501**	**.00298**	**.05088**	**-.00012**	**.00040**	**254.71**	**-.00088**	**.00303**	**-.00154**	**5.0939**	**.00250**
Stddev	.391	.00679	.00000	.00074	.00009	.00009	3.94	.00010	.00078	.00078	.0083	.00289
%RSD	.77022	5.9067	.10504	1.4483	70.248	22.038	1.5456	10.899	25.918	50.924	.16354	115.89
#1	50.522	.11982	.00297	.05140	-.00018	.00034	251.93	-.00095	.00247	-.00098	5.0880	.00045
#2	51.075	.11021	.00298	.05035	-.00006	.00047	257.50	-.00081	.00358	-.00209	5.0998	.00454
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00328**	**.00972**	**.02081**	**-.00046**	**.00010**	**5.2001**	**.01502**	**.00243**	F **8.4939**	**.00033**	**.00226**	**-.08505**
Stddev	.00257	.00505	.01080	.00049	.00004	.0005	.00026	.00026	.0550	.00023	.00000	.00004
%RSD	78.419	51.927	51.927	105.10	40.093	.00947	1.7549	10.813	.64793	67.994	.03236	.04337
#1	-.00510	.01329	.02845	-.00081	.00007	5.1998	.01483	.00225	8.5328	.00049	.00226	-.08507
#2	-.00146	.00615	.01317	-.00012	.00013	5.2005	.01520	.00262	8.4550	.00017	.00225	-.08502
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6795.5**	**74883.**	**6231.1**
Stddev	13.1	305.	82.0
%RSD	.19341	.40757	1.3161
#1	6804.8	74668.	6289.1
#2	6786.2	75099.	6173.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 3:40:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55688	F .55511	1.0648	.53649	.51362	.47081	-.01005	4.6829	.48748	.50895	.54619	.50828
Stddev	.00276	.00260	.0085	.00142	.00321	.00092	.00056	.0181	.00141	.00010	.00019	.00420
%RSD	.49544	.46767	.79529	.26533	.62526	.19492	5.5462	.38682	.29020	.01890	.03438	.82577
#1	.55493	.55328	1.0588	.53548	.51135	.47016	-.00966	4.6701	.48648	.50901	.54632	.50531
#2	.55883	.55695	1.0708	.53750	.51589	.47146	-.01045	4.6957	.48848	.50888	.54606	.51125
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6527	49.131	1.0207	21.148	.50444	.53551	5.4054	W .55027	1.0658	.97259	.00683	1.0369
Stddev	.0043	.176	.0027	.070	.00063	.00071	.0183	.00110	.0028	.00078	.00054	.0026
%RSD	.16152	.35829	.26945	.33278	.12424	.13343	.33833	.20024	.26266	.08029	7.9387	.24941
#1	2.6497	49.007	1.0188	21.098	.50400	.53501	5.3924	.54949	1.0638	.97204	.00645	1.0351
#2	2.6558	49.256	1.0227	21.197	.50488	.53602	5.4183	.55105	1.0678	.97314	.00722	1.0387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.000%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0973	5.2001	11.128	1.0588	.49681	.00615	.51568	1.0116	-.06170	.48803	.53088	.49482
Stddev	.0038	.0294	.063	.0022	.00136	.00130	.00103	.0007	.00182	.00018	.00023	.00007
%RSD	.35036	.56579	.56579	.20905	.27327	21.170	.19904	.06720	2.9442	.03617	.04320	.01429
#1	1.0945	5.2209	11.173	1.0604	.49585	.00707	.51495	1.0111	-.06042	.48815	.53104	.49477
#2	1.1000	5.1793	11.084	1.0573	.49777	.00523	.51641	1.0120	-.06299	.48790	.53071	.49487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6897.6	76677.	6256.9
Stddev	18.6	69.	2.8
%RSD	.26994	.08984	.04550
#1	6884.4	76725.	6254.9
#2	6910.8	76628.	6258.9

Sample Name: CCB Acquired: 11/15/2013 3:42:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00149**	**.00250**	**-.00167**	**.00098**	**.00035**	**.00013**	**.00148**	**-.00248**	**-.00015**	**-.00014**	**.00006**
Stddev	.00061	.00061	.00018	.00018	.00006	.00006	.00084	.00047	.00019	.00017	.00010
%RSD	40.866	24.188	10.748	18.432	18.000	46.542	57.105	18.778	128.66	119.87	169.24
#1	-.00106	.00208	-.00180	.00085	.00031	.00017	.00207	-.00215	-.00001	-.00002	.00013
#2	-.00192	.00293	-.00154	.00111	.00040	.00009	.00088	-.00281	-.00029	-.00026	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**.00204**	**.14349**	**.00062**	**.00357**	**.00008**	**.00015**	F **.25277**	**-.00021**	**.00105**	**.00214**
Stddev	.00048	.00052	.01077	.00208	.00026	.00002	.00012	.01946	.00009	.00007	.00061
%RSD	37.687	25.679	7.5077	337.14	7.3672	24.840	82.183	7.7003	42.676	6.6089	28.675
#1	-.00161	.00241	.15111	.00208	.00375	.00007	.00023	.26653	-.00027	.00100	.00171
#2	-.00093	.00167	.13587	-.00085	.00338	.00009	.00006	.23901	-.00014	.00110	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	W **.00536**	**.00168**	**-.00326**	**-.00697**	**-.00020**	**-.00002**	**.00448**	**.00012**	**.00059**	**-.03054**
Stddev	.00265	.00027	.00172	.02412	.05162	.00025	.00010	.00118	.00030	.00053	.04732
%RSD	43.762	5.1325	102.53	741.00	741.00	126.17	438.98	26.421	246.02	90.537	154.96
#1	.00418	.00516	.00046	.01380	.02953	-.00037	-.00009	.00531	.00033	.00096	-.06400
#2	.00792	.00555	.00290	-.02031	-.04347	-.00002	.00005	.00364	-.00009	.00021	.00292
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00007**	**.00310**	**.00128**
Stddev	.00051	.00019	.00020
%RSD	754.91	6.1506	15.424
#1	.00043	.00296	.00142
#2	-.00029	.00323	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6877.9**	**77234.**	**6217.5**
Stddev	6.3	5.	34.4
%RSD	.09152	.00634	.55378
#1	6882.4	77231.	6193.2
#2	6873.5	77238.	6241.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 3:44:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**.11327**	**.01626**	**.10635**	**.01055**	**.00098**	**.11946**	**.19375**	**.00480**	**.01048**	**.01088**	**.01375**	**.10965**
Stddev	.00004	.00000	.00283	.00028	.00028	.00000	.00493	.00166	.00008	.00031	.00008	.00024	.00210
%RSD	.45962	.00175	17.389	.26430	2.6835	.23336	4.1238	.85700	1.6716	2.9189	.72627	1.7706	1.9190
#1	.00980	.11327	.01826	.10615	.01075	.00098	.11597	.19492	.00485	.01070	.01094	.01358	.11114
#2	.00973	.11327	.01426	.10655	.01035	.00098	.12294	.19257	.00474	.01026	.01083	.01393	.10816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0766**	**.01038**	**.22251**	**.01020**	**.02064**	**1.2498**	**.04495**	**3.1090**	**.00913**	**.02339**	**.01045**	**.01439**	**.51294**
Stddev	.0221	.00133	.00076	.00002	.00007	.0164	.00032	.0091	.00085	.01794	.00315	.00021	.03470
%RSD	.71746	12.797	.34209	.17299	.31639	1.3091	.71406	.29411	9.3451	76.713	30.165	1.4731	6.7648
#1	3.0610	.00944	.22305	.01019	.02069	1.2614	.04472	3.1025	.00852	.03608	.00822	.01454	.48841
#2	3.0922	.01131	.22197	.01021	.02059	1.2383	.04518	3.1154	.00973	.01070	.01268	.01424	.53748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0977**	**.10787**	**.00991**	**.01843**	**.01025**	**.01691**	F **.09005**	**.00996**	**.02533**	**.01337**
Stddev	.0743	.00020	.00000	.00071	.00010	.00007	.02950	.00018	.00048	.00069
%RSD	6.7648	.18567	.02672	3.8467	.98468	.42242	32.759	1.7881	1.9119	5.1973
#1	1.0452	.10801	.00991	.01893	.01018	.01696	.06919	.01008	.02499	.01386
#2	1.1502	.10773	.00991	.01793	.01032	.01686	.11091	.00983	.02568	.01288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7087.4**	**79032.**	**6292.2**
Stddev	2.3	74.	18.2
%RSD	.03258	.09302	.28893
#1	7089.0	79084.	6279.3
#2	7085.7	78980.	6305.0

Sample Name: mb 280-200646/1-a Acquired: 11/15/2013 3:46:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.00713**	**-.00134**	**.00062**	**.00050**	**.00005**	**.00240**	**.02398**	**-.00024**	**-.00015**
Stddev	.00011	.00031	.00237	.00010	.00007	.00009	.00108	.00090	.00015	.00013
%RSD	8.2954	4.2914	177.55	16.043	13.317	172.98	45.017	3.7556	63.093	90.788
#1	-.00137	.00735	.00034	.00069	.00055	-.00001	.00316	.02334	-.00035	-.00024
#2	-.00122	.00692	-.00302	.00055	.00046	.00012	.00163	.02462	-.00014	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00018**	**.01364**	**.13196**	**.00032**	**.00572**	**.00029**	**-.00022**	**.31505**	**-.00002**
Stddev	.00001	.00013	.00123	.01041	.00003	.00196	.00002	.00008	.00221	.00002
%RSD	8.8695	68.966	9.0392	7.8899	8.1974	34.315	6.4254	35.703	.69995	123.49
#1	.00013	-.00009	.01277	.13932	.00030	.00433	.00027	-.00017	.31349	-.00003
#2	.00011	-.00027	.01451	.12460	.00033	.00710	.00030	-.00028	.31661	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00556**	**-.00045**	**.02551**	**.00151**	**.00020**	**.00734**	**.01571**	**.01113**	**-.00005**	**.00380**
Stddev	.00037	.00007	.00097	.00114	.00234	.00823	.01761	.00052	.00012	.00065
%RSD	6.6547	16.156	3.8080	75.365	1188.8	112.10	112.10	4.6785	228.05	17.012
#1	.00582	-.00050	.02619	.00231	.00185	.01316	.02817	.01150	.00003	.00425
#2	.00530	-.00039	.02482	.00070	-.00146	.00152	.00326	.01076	-.00013	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00006**	**-.04281**	**.00012**	**.00496**	**-.00012**
Stddev	.00021	.00026	.00342	.00001	.00069	.00121
%RSD	392.29	454.76	7.9906	6.0069	13.992	973.77
#1	-.00020	-.00024	-.04523	.00012	.00545	.00073
#2	.00009	.00012	-.04040	.00013	.00447	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.4**	**78690.**	**6413.8**
Stddev	3.8	222.	30.4
%RSD	.05351	.28180	.47420
#1	7007.8	78534.	6435.3
#2	7013.1	78847.	6392.3

Sample Name: lcs 280-200646/2-a Acquired: 11/15/2013 3:49:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05094**	**2.0304**	**1.0406**	**1.0358**	**2.0030**	**.04591**	**2.1271**	F **44.077**	**.09509**	**.48487**
Stddev	.00011	.0068	.0074	.0068	.0109	.00019	.0158	.199	.00108	.00037
%RSD	.21100	.33273	.70795	.65947	.54159	.41831	.74462	.45233	1.1368	.07662
#1	.05086	2.0352	1.0354	1.0310	1.9953	.04578	2.1159	43.936	.09432	.48513
#2	.05102	2.0256	1.0459	1.0407	2.0107	.04605	2.1383	44.218	.09585	.48461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21526**	**.24696**	**1.0246**	**48.446**	**1.0054**	**50.638**	**.48355**	**1.0358**	**50.681**	**.52614**
Stddev	.00151	.00308	.0210	.307	.0077	.194	.00136	.0012	.066	.00373
%RSD	.70118	1.2490	2.0444	.63432	.76457	.38385	.28093	.11597	.12933	.70886
#1	.21419	.24914	1.0098	48.229	1.0000	50.776	.48451	1.0350	50.634	.52350
#2	.21632	.24478	1.0394	48.664	1.0109	50.501	.48259	1.0367	50.727	.52878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.484**	**.45727**	**.01781**	**.49326**	**2.1012**	F **1.8070**	**3.8670**	**2.0284**	**.96895**	**.99545**
Stddev	.011	.00390	.00095	.00164	.0089	.0349	.0748	.0065	.00451	.00037
%RSD	.10209	.85309	5.3173	.33318	.42208	1.9334	1.9334	.32216	.46511	.03710
#1	10.477	.45451	.01714	.49210	2.0950	1.7823	3.8142	2.0238	.96577	.99572
#2	10.492	.46003	.01848	.49442	2.1075	1.8317	3.9199	2.0330	.97214	.99519
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						11.000				
Low Limit						9.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0098**	**1.8814**	F **3.2643**	**.47791**	**.49974**	**.45580**
Stddev	.0054	.0094	.0153	.00108	.00188	.00362
%RSD	.53203	.49982	.46813	.22584	.37549	.79409
#1	1.0136	1.8748	3.2535	.47867	.50106	.45324
#2	1.0060	1.8881	3.2751	.47714	.49841	.45836
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6684.8**	**75282.**	**6263.0**
Stddev	11.7	167.	24.5
%RSD	.17569	.22235	.39076
#1	6676.5	75164.	6280.3
#2	6693.1	75400.	6245.7

Sample Name: 280-49082-a-1-a Acquired: 11/15/2013 3:51:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**172.88**	**.07046**	**.21179**	**.46777**	**.01408**	**-.04613**	**72.517**	**.00260**	**.10664**
Stddev	.00014	1.16	.00095	.00018	.00152	.00002	.00158	.283	.00021	.00024
%RSD	11.156	.67019	1.3485	.08682	.32516	.10949	3.4254	.39040	8.2322	.22811
#1	-.00114	173.70	.07113	.21192	.46885	.01409	-.04501	72.717	.00245	.10681
#2	-.00133	172.06	.06979	.21166	.46670	.01407	-.04725	72.317	.00275	.10647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35560**	**.21752**	**317.41**	**35.113**	**.23291**	**87.631**	**3.3780**	**.00243**	**4.7295**	**.35402**
Stddev	.00033	.00068	.35	.116	.00181	.040	.0063	.00027	.0190	.00210
%RSD	.09220	.31433	.10985	.33056	.77750	.04548	.18505	11.148	.40206	.59223
#1	.35583	.21704	317.16	35.196	.23419	87.602	3.3824	.00224	4.7429	.35550
#2	.35536	.21801	317.66	35.031	.23163	87.659	3.3736	.00262	4.7160	.35254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6601**	**.06478**	**.31704**	**.00254**	**.00116**	**3.1776**	**6.8000**	**.01347**	**.72135**	**.09569**
Stddev	.0089	.00124	.00033	.00022	.00094	.0330	.0707	.00100	.00220	.00069
%RSD	.33587	1.9075	.10548	8.6780	81.319	1.0392	1.0392	7.4416	.30431	.72028
#1	2.6664	.06566	.31681	.00239	.00182	3.2009	6.8500	.01276	.72290	.09617
#2	2.6538	.06391	.31728	.00270	.00049	3.1542	6.7500	.01418	.71979	.09520
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84846**	**-.00744**	F **-.39803**	**.38131**	**.36101**	**.05430**
Stddev	.00106	.00123	.01739	.00059	.00004	.00083
%RSD	.12443	16.509	4.3701	.15475	.01047	1.5248
#1	.84771	-.00831	-.38574	.38173	.36099	.05372
#2	.84921	-.00657	-.41033	.38089	.36104	.05489
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7354.2**	**81185.**	**6916.6**
Stddev	4.7	392.	15.1
%RSD	.06385	.48301	.21887
#1	7357.5	80908.	6905.9
#2	7350.9	81463.	6927.3

Sample Name: 280-49082-a-1-aSD@5 Acquired: 11/15/2013 3:53:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**37.148**	**.01272**	**.04799**	**.10107**	**.00300**	**-.00662**	**15.796**	**.00050**	**.02415**
Stddev	.00051	.043	.00253	.00063	.00018	.00002	.00010	.007	.00005	.00018
%RSD	39.067	.11536	19.924	1.3229	.17661	.83005	1.5742	.04450	9.6980	.73640
#1	-.00094	37.178	.01093	.04844	.10120	.00299	-.00655	15.791	.00054	.02402
#2	-.00167	37.118	.01451	.04754	.10095	.00302	-.00670	15.801	.00047	.02427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07866**	**.04503**	**70.501**	**7.4829**	**.04892**	**19.419**	**.75917**	**.00043**	**1.1099**	**.07982**
Stddev	.00015	.00023	.635	.0408	.00094	.025	.00109	.00052	.0140	.00006
%RSD	.19104	.50525	.90124	.54494	1.9185	.12901	.14298	121.95	1.2644	.07165
#1	.07877	.04519	70.951	7.4541	.04826	19.436	.75994	.00006	1.1198	.07986
#2	.07856	.04487	70.052	7.5117	.04959	19.401	.75841	.00080	1.1000	.07978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58056**	**.01560**	**.07900**	**.00444**	**.00129**	**.67205**	**1.4382**	**.00520**	**.15549**	**.02421**
Stddev	.00134	.00080	.00234	.00194	.00144	.01702	.0364	.00041	.00018	.00011
%RSD	.23110	5.0982	2.9613	43.830	111.50	2.5328	2.5328	7.8719	.11859	.45388
#1	.57962	.01616	.07735	.00581	.00231	.68408	1.4639	.00549	.15562	.02428
#2	.58151	.01503	.08066	.00306	.00027	.66001	1.4124	.00491	.15536	.02413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18439**	**-.00138**	W **-.07030**	**.08328**	**.09115**	**.00977**
Stddev	.00057	.00051	.07284	.00102	.00004	.00066
%RSD	.30727	36.998	103.62	1.2240	.04545	6.7391
#1	.18479	-.00174	-.12181	.08400	.09118	.01024
#2	.18399	-.00102	-.01879	.08256	.09112	.00931
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7074.5**	**77238.**	**6410.0**
Stddev	22.7	131.	37.0
%RSD	.32144	.16944	.57707
#1	7058.5	77331.	6436.2
#2	7090.6	77145.	6383.9

Sample Name: 280-49082-a-1-b ms Acquired: 11/15/2013 3:56:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04879**	**382.45**	**1.0004**	**1.1808**	**2.4613**	**.05879**	F **1.8318**	**96.783**	**.08846**	**.53084**
Stddev	.00013	2.23	.0006	.0022	.0187	.00044	.0062	.420	.00004	.00133
%RSD	.26093	.58359	.06115	.18791	.76064	.74093	.33746	.43350	.04175	.24963
#1	.04888	380.87	1.0000	1.1793	2.4480	.05848	1.8274	96.487	.08843	.52990
#2	.04870	384.02	1.0009	1.1824	2.4745	.05910	1.8361	97.080	.08848	.53178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74190**	**.38125**	**384.26**	W **118.65**	**1.3158**	**146.34**	**3.3398**	**.81150**	**51.611**	**.85559**
Stddev	.00111	.00007	2.78	.63	.0072	2.68	.0260	.00223	.304	.00239
%RSD	.15020	.01876	.72237	.53054	.54546	1.8300	.77827	.27437	.58895	.27916
#1	.74111	.38120	382.30	118.21	1.3108	144.45	3.3214	.80993	51.396	.85390
#2	.74269	.38130	386.22	119.10	1.3209	148.23	3.3582	.81307	51.826	.85728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.185**	**.46229**	**.32597**	**.09691**	**1.7931**	**6.2325**	**13.337**	**1.6633**	**1.6966**	**1.0395**
Stddev	.023	.00065	.00216	.00064	.0112	.0330	.071	.0037	.0136	.0013
%RSD	.18969	.14036	.66341	.66449	.62451	.52881	.52881	.22064	.80306	.12923
#1	12.169	.46183	.32444	.09646	1.7852	6.2092	13.288	1.6607	1.6870	1.0385
#2	12.202	.46275	.32750	.09737	1.8010	6.2558	13.387	1.6659	1.7063	1.0404
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9833**	**1.5164**	**2.4702**	**1.0334**	**.93341**	**.44687**
Stddev	.0066	.0001	.0155	.0051	.00703	.00245
%RSD	.33379	.00856	.62560	.48984	.75274	.54813
#1	1.9786	1.5163	2.4812	1.0298	.92844	.44514
#2	1.9879	1.5165	2.4593	1.0370	.93838	.44861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7211.5**	**78252.**	**7006.3**
Stddev	5.1	435.	61.5
%RSD	.07114	.55633	.87744
#1	7215.1	78559.	6962.8
#2	7207.9	77944.	7049.7

Sample Name: 280-49082-a-1-c msd Acquired: 11/15/2013 3:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04712**	**335.18**	**.95829**	**1.1124**	**2.3783**	**.05647**	F **1.7688**	**79.108**	**.08523**	**.50016**
Stddev	.00017	2.14	.00201	.0005	.0190	.00056	.0004	.513	.00003	.00003
%RSD	.36181	.63881	.21025	.04610	.79967	.99529	.02088	.64824	.03887	.00501
#1	.04700	336.70	.95687	1.1121	2.3917	.05687	1.7685	79.471	.08521	.50018
#2	.04724	333.67	.95972	1.1128	2.3648	.05607	1.7690	78.745	.08526	.50014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64912**	**.33489**	**332.85**	W **109.05**	**1.2629**	**124.39**	**2.4376**	**.79543**	**51.016**	**.77621**
Stddev	.00080	.00064	2.18	.64	.0104	.37	.0290	.00027	.514	.00023
%RSD	.12302	.19036	.65558	.58273	.82353	.29677	1.1878	.03453	1.0073	.02953
#1	.64968	.33444	334.39	109.49	1.2703	124.13	2.4171	.79563	50.652	.77605
#2	.64855	.33534	331.31	108.60	1.2556	124.65	2.4581	.79524	51.379	.77637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.350**	**.44239**	**.26374**	**.10307**	**1.7303**	**6.3832**	**13.660**	**1.6160**	**1.5828**	**.98969**
Stddev	.002	.00125	.00015	.00336	.0109	.0010	.002	.0035	.0136	.00557
%RSD	.01521	.28362	.05602	3.2640	.62779	.01640	.01640	.21572	.85674	.56262
#1	11.349	.44150	.26363	.10069	1.7226	6.3824	13.658	1.6135	1.5924	.98576
#2	11.351	.44328	.26384	.10545	1.7380	6.3839	13.662	1.6184	1.5732	.99363
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8207**	**1.4869**	**2.5352**	**.92890**	**.85274**	**.45189**
Stddev	.0021	.0014	.0513	.00186	.00223	.00372
%RSD	.11388	.09268	2.0227	.19986	.26132	.82265
#1	1.8193	1.4860	2.4989	.92759	.85117	.45452
#2	1.8222	1.4879	2.5715	.93021	.85432	.44926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7281.7**	**78663.**	**6871.3**
Stddev	17.4	25.	5.8
%RSD	.23953	.03155	.08384
#1	7269.4	78680.	6867.2
#2	7294.0	78645.	6875.3

Sample Name: 280-49082-a-2-a Acquired: 11/15/2013 4:00:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**122.03**	**.06322**	**.13000**	**.68922**	**.00895**	**-.02995**	**88.655**	**.00209**	**.08209**
Stddev	.00087	.13	.00545	.00034	.00144	.00002	.00026	.015	.00004	.00052
%RSD	1270.0	.10379	8.6222	.26492	.20843	.22848	.88096	.01680	2.0338	.63340
#1	-.00055	122.12	.05937	.13024	.68820	.00893	-.03014	88.665	.00206	.08246
#2	.00068	121.94	.06708	.12975	.69023	.00896	-.02977	88.644	.00212	.08172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23465**	**.33519**	**197.69**	**20.625**	**.15306**	**60.680**	**4.6612**	**.00221**	**7.5914**	**.21490**
Stddev	.00104	.00144	1.25	.114	.00123	.151	.0548	.00010	.0014	.00062
%RSD	.44390	.42935	.63125	.55163	.80320	.24832	1.1760	4.6153	.01915	.28745
#1	.23538	.33417	196.81	20.705	.15219	60.574	4.6225	.00229	7.5925	.21534
#2	.23391	.33621	198.58	20.544	.15393	60.787	4.7000	.00214	7.5904	.21446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5786**	**.05541**	**4.1460**	**.00031**	**.00198**	**2.7355**	**5.8540**	**.01048**	**.67609**	**.06724**
Stddev	.0099	.00075	.0290	.00073	.00148	.0167	.0357	.00014	.00111	.00061
%RSD	.62779	1.3597	.69886	232.38	74.381	.61042	.61042	1.3789	.16410	.90776
#1	1.5856	.05595	4.1664	.00083	.00303	2.7473	5.8793	.01038	.67530	.06681
#2	1.5716	.05488	4.1255	-.00020	.00094	2.7237	5.8287	.01059	.67687	.06767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62932**	**-.00415**	F **-.28238**	**.28339**	**.23408**	**.04860**
Stddev	.00023	.00039	.02490	.00165	.00189	.00003
%RSD	.03625	9.3861	8.8172	.58386	.80871	.06910
#1	.62916	-.00442	-.26478	.28222	.23541	.04858
#2	.62948	-.00387	-.29999	.28456	.23274	.04863
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7287.3**	**79956.**	**6758.5**
Stddev	.5	182.	2.7
%RSD	.00754	.22805	.03963
#1	7287.7	79827.	6760.4
#2	7287.0	80085.	6756.6

Sample Name: 280-49082-a-3-a Acquired: 11/15/2013 4:02:56 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**154.33**	**.05228**	**.19912**	**.37753**	**.01334**	**-.03336**	**22.015**	**.00205**	**.08387**
Stddev	.00055	1.38	.00253	.00040	.00321	.00003	.00390	.198	.00011	.00052
%RSD	34.471	.89702	4.8347	.20200	.85078	.24405	11.699	.89804	5.4807	.62354
#1	-.00200	153.35	.05407	.19884	.37525	.01336	-.03060	21.875	.00197	.08424
#2	-.00121	155.31	.05050	.19941	.37980	.01332	-.03611	22.155	.00213	.08350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39305**	**.11811**	**266.52**	**29.844**	**.22464**	**53.736**	**1.1418**	**.00349**	**8.1784**	**.35064**
Stddev	.00024	.00075	2.42	.314	.00328	.056	.0004	.00046	.0412	.00113
%RSD	.06149	.63251	.90689	1.0519	1.4613	.10381	.03030	13.109	.50324	.32267
#1	.39322	.11864	264.81	29.622	.22232	53.697	1.1421	.00316	8.1493	.35144
#2	.39288	.11758	268.23	30.066	.22696	53.776	1.1416	.00381	8.2075	.34984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0234**	**.05398**	**2.2451**	**-.00002**	**.00096**	**2.6917**	**5.7603**	**.01434**	**.52813**	**.09514**
Stddev	.0003	.00045	.0004	.00087	.00000	.0116	.0248	.00007	.00436	.00160
%RSD	.01394	.83511	.01650	5252.2	.49750	.43097	.43097	.45979	.82573	1.6801
#1	2.0232	.05366	2.2448	-.00063	.00095	2.6835	5.7427	.01438	.52505	.09627
#2	2.0236	.05430	2.2453	.00060	.00096	2.6999	5.7778	.01429	.53122	.09401
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54954**	**-.00623**	F **-.30721**	**.36323**	**.31069**	**.04917**
Stddev	.00145	.00234	.00614	.00111	.00106	.00219
%RSD	.26331	37.586	1.9973	.30472	.33960	4.4551
#1	.55056	-.00788	-.30287	.36245	.31143	.04762
#2	.54852	-.00457	-.31155	.36402	.30994	.05072
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7362.6**	**81061.**	**6830.1**
Stddev	57.1	63.	44.0
%RSD	.77612	.07832	.64357
#1	7322.2	81016.	6861.2
#2	7403.0	81106.	6799.0

Sample Name: 280-49082-a-4-a Acquired: 11/15/2013 4:05:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**142.35**	**.06810**	**.15229**	**.75718**	**.01046**	**-.03028**	**155.43**	**.00421**	**.10363**
Stddev	.00045	.09	.00199	.00071	.00056	.00004	.00172	.14	.00025	.00016
%RSD	35.883	.06649	2.9151	.46462	.07335	.39717	5.6793	.09270	5.9094	.15653
#1	-.00094	142.42	.06950	.15279	.75679	.01043	-.02907	155.33	.00439	.10375
#2	-.00158	142.29	.06670	.15179	.75757	.01049	-.03150	155.53	.00404	.10352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43733**	**.55382**	**230.79**	**28.499**	**.19648**	**84.295**	**4.6642**	**.00331**	**4.5899**	**.29987**
Stddev	.00109	.00462	1.13	.019	.00213	.103	.0726	.00031	.0005	.00235
%RSD	.24852	.83470	.48845	.06551	1.0863	.12214	1.5560	9.4676	.01185	.78454
#1	.43810	.55055	229.99	28.512	.19497	84.223	4.7155	.00353	4.5903	.30153
#2	.43656	.55709	231.59	28.486	.19798	84.368	4.6129	.00309	4.5896	.29820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3992**	**.12541**	**7.9511**	**.00169**	**.00496**	**3.6639**	**7.8407**	**.01338**	**.84106**	**.07395**
Stddev	.0180	.00240	.0218	.00201	.00073	.0231	.0493	.00043	.00034	.00534
%RSD	.75041	1.9175	.27406	119.39	14.696	.62908	.62908	3.1921	.04076	7.2163
#1	2.4119	.12711	7.9665	.00311	.00444	3.6476	7.8058	.01368	.84081	.07772
#2	2.3864	.12371	7.9357	.00026	.00547	3.6802	7.8756	.01308	.84130	.07017
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55995**	**-.00390**	F **-.28348**	**.33973**	**.73289**	**.06706**
Stddev	.00022	.00014	.04463	.00376	.00156	.00100
%RSD	.03998	3.6376	15.744	1.1055	.21330	1.4955
#1	.55979	-.00380	-.31504	.33707	.73179	.06635
#2	.56011	-.00400	-.25192	.34238	.73400	.06777
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7304.8**	**79995.**	**6976.4**
Stddev	23.3	10.	43.3
%RSD	.31946	.01285	.62116
#1	7288.3	79987.	7007.1
#2	7321.3	80002.	6945.8

Sample Name: 280-49082-a-5-a Acquired: 11/15/2013 4:07:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00226**	**136.48**	**.03206**	**.19579**	**.25950**	**.01137**	**-.01709**	**16.854**	**.00165**	**.06424**
Stddev	.00048	.40	.00019	.00044	.00112	.00000	.00035	.073	.00006	.00031
%RSD	21.120	.29454	.59689	.22359	.43255	.03481	2.0589	.43205	3.4090	.48796
#1	-.00259	136.19	.03193	.19610	.25870	.01137	-.01685	16.803	.00169	.06447
#2	-.00192	136.76	.03220	.19548	.26029	.01137	-.01734	16.906	.00161	.06402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26149**	**.05217**	**168.37**	**31.487**	**.18115**	**43.440**	**.61394**	**.00138**	**3.7581**	**.23657**
Stddev	.00147	.00004	.32	.030	.00047	.074	.00065	.00001	.0243	.00080
%RSD	.56354	.07533	.18748	.09626	.25936	.17132	.10621	.98281	.64656	.33655
#1	.26045	.05220	168.14	31.465	.18148	43.493	.61440	.00137	3.7410	.23714
#2	.26254	.05214	168.59	31.508	.18081	43.387	.61348	.00139	3.7753	.23601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7014**	**.04325**	**.18199**	**.00045**	**-.00034**	**2.8919**	**6.1887**	**.00972**	**.57371**	**.08114**
Stddev	.0031	.00098	.00112	.00128	.00057	.0040	.0085	.00001	.00207	.00179
%RSD	.17909	2.2623	.61781	283.47	167.52	.13721	.13721	.13329	.36143	2.2010
#1	1.7035	.04394	.18278	-.00045	-.00075	2.8947	6.1947	.00973	.57225	.08240
#2	1.6992	.04255	.18119	.00135	.00006	2.8891	6.1827	.00971	.57518	.07987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32539**	**-.00371**	F **-.22120**	**.28902**	**.23633**	**.04410**
Stddev	.00023	.00040	.02596	.00082	.00015	.00067
%RSD	.07027	10.812	11.736	.28411	.06328	1.5232
#1	.32523	-.00400	-.23956	.28960	.23644	.04458
#2	.32555	-.00343	-.20285	.28844	.23622	.04363
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9790.5**	**107050.**	**9107.9**
Stddev	5.8	310.	5.5
%RSD	.05905	.28956	.06043
#1	9786.4	106830.	9111.8
#2	9794.6	107270.	9104.0

Sample Name: CCVH-2372891 Acquired: 11/15/2013 4:09:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00821**	**48.709**	**-.00028**	**.00264**	**.00106**	**-.00005**	W **1.0762**	**.02690**	**.00076**	**-.00112**	**.00024**	**-.00759**
Stddev	.00018	.053	.00152	.00057	.00020	.00002	.0008	.00105	.00006	.00029	.00011	.00008
%RSD	2.1706	.10862	537.32	21.786	18.921	41.642	.07632	3.8994	8.1176	25.903	44.008	1.0814
#1	-.00833	48.672	-.00136	.00304	.00120	-.00003	1.0767	.02616	.00081	-.00091	.00032	-.00753
#2	-.00808	48.746	.00079	.00223	.00092	-.00006	1.0756	.02764	.00072	-.00132	.00017	-.00764
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.336**	**.11505**	**.00235**	**.05771**	**.00006**	**.00044**	**257.67**	**-.00075**	**.00424**	**-.00209**	**5.0761**	**.00211**
Stddev	.577	.04953	.00013	.00073	.00001	.00007	.64	.00012	.00101	.00050	.0035	.00179
%RSD	1.1244	43.053	5.5562	1.2588	20.361	16.811	.24843	15.690	23.860	23.930	.06894	84.545
#1	51.744	.08002	.00226	.05822	.00006	.00039	257.22	-.00067	.00353	-.00245	5.0785	.00338
#2	50.928	.15007	.00244	.05719	.00005	.00050	258.12	-.00084	.00496	-.00174	5.0736	.00085
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	**.00709**	**.01518**	**-.00003**	**.00018**	**5.1736**	**.01401**	**.00310**	F **8.3757**	**.00102**	**.00303**	**-.08224**
Stddev	.00654	.00250	.00535	.00010	.00001	.0095	.00022	.00030	.0166	.00057	.00007	.00386
%RSD	139.30	35.219	35.219	346.98	3.8939	.18334	1.5473	9.7829	.19783	55.832	2.3067	4.6879
#1	-.00933	.00533	.01140	.00004	.00018	5.1669	.01385	.00331	8.3874	.00062	.00308	-.07951
#2	-.00007	.00886	.01896	-.00010	.00017	5.1803	.01416	.00289	8.3640	.00143	.00298	-.08496
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.0**	**75520.**	**6150.3**
Stddev	11.4	118.	30.3
%RSD	.16617	.15681	.49248
#1	6893.0	75436.	6128.9
#2	6876.9	75604.	6171.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 4:12:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55594	F .55610	1.0570	.53156	.51067	.47031	-.00787	4.7193	.48584	.50745	.54249	.50810	2.6313
Stddev	.00161	.00013	.0021	.00176	.00106	.00083	.00376	.0237	.00062	.00101	.00177	.00048	.0047
%RSD	.29029	.02343	.20033	.33140	.20709	.17637	47.745	.50123	.12724	.19871	.32641	.09357	.17824
#1	.55708	.55601	1.0585	.53032	.51141	.47089	-.00522	4.7360	.48627	.50816	.54374	.50844	2.6280
#2	.55480	.55619	1.0555	.53281	.50992	.46972	-.01053	4.7026	.48540	.50673	.54123	.50777	2.6346
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000											
Range	10.490%	10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.320	1.0143	21.366	.50896	.53080	5.2411	.54799	1.0596	.97396	.00386	1.0263	1.0769	5.1410
Stddev	.140	.0005	.007	.00054	.00154	.0165	.00153	.0053	.00114	.00151	.0070	.0121	.0148
%RSD	.28358	.05361	.03506	.10643	.28984	.31510	.27997	.49585	.11681	39.053	.68725	1.1286	.28869
#1	49.419	1.0139	21.361	.50934	.53189	5.2528	.54908	1.0633	.97477	.00280	1.0313	1.0854	5.1515
#2	49.221	1.0146	21.371	.50858	.52971	5.2294	.54691	1.0559	.97316	.00493	1.0213	1.0683	5.1305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.002	1.0600	.49499	.00457	.51766	1.0097	-.02001	.49165	.53972	.49343
Stddev	.032	.0112	.00137	.00261	.00134	.0054	.00474	.00071	.00475	.00367
%RSD	.28869	1.0523	.27703	57.120	.25796	.53782	23.707	.14503	.88050	.74326
#1	11.024	1.0679	.49595	.00642	.51671	1.0135	-.01665	.49114	.53636	.49602
#2	10.979	1.0521	.49402	.00272	.51860	1.0058	-.02336	.49215	.54308	.49083
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6919.6	76176.	6147.6
Stddev	9.5	343.	15.5
%RSD	.13699	.44967	.25143
#1	6912.9	76418.	6158.5
#2	6926.3	75933.	6136.6

Sample Name: CCB Acquired: 11/15/2013 4:14:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00203**	**-.00199**	**.00160**	**.00049**	**.00011**	**.00025**	**-.00117**	**-.00009**	**-.00023**	**-.00008**	**-.00106**
Stddev	.00045	.00024	.00552	.00003	.00021	.00003	.00106	.00075	.00010	.00007	.00005	.00003
%RSD	49.349	11.721	277.98	1.9986	41.743	25.784	431.99	64.506	110.63	31.893	69.884	2.9286
#1	-.00060	.00220	-.00589	.00158	.00035	.00009	.00100	-.00170	-.00016	-.00018	-.00004	-.00108
#2	-.00123	.00186	.00192	.00162	.00064	.00013	-.00050	-.00063	-.00002	-.00029	-.00011	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.13416**	**.00051**	**.00189**	**.00014**	**.00017**	W **.11809**	**-.00015**	**-.00008**	**.00054**	**.00548**	W **.00583**
Stddev	.00179	.01975	.00141	.00011	.00002	.00001	.00717	.00029	.00006	.00073	.00003	.00056
%RSD	65.199	14.723	274.34	5.7079	14.161	3.7316	6.0687	197.47	78.061	136.09	.57688	9.6144
#1	.00400	.12019	-.00048	.00197	.00015	.00017	.11302	.00006	-.00004	.00105	.00546	.00543
#2	.00148	.14812	.00151	.00182	.00013	.00017	.12316	-.00036	-.00013	.00002	.00550	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.01019**	**.02180**	**-.00050**	**-.00005**	**.00266**	**.00002**	**.00134**	**-.02132**	**.00014**	**.00340**	**-.00026**
Stddev	.00007	.00321	.00687	.00004	.00003	.00075	.00004	.00005	.02227	.00061	.00069	.00291
%RSD	2.4995	31.508	31.508	7.5466	62.568	28.168	194.67	3.9044	104.47	442.30	20.408	1123.5
#1	.00292	.01246	.02666	-.00048	-.00003	.00319	.00005	.00131	-.00557	.00057	.00389	-.00232
#2	.00282	.00792	.01695	-.00053	-.00008	.00213	-.00001	.00138	-.03706	-.00029	.00291	.00180
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6915.7**	**76962.**	**6071.1**
Stddev	5.8	148.	107.4
%RSD	.08438	.19165	1.7683
#1	6919.8	76857.	5995.2
#2	6911.6	77066.	6147.0

Sample Name: CCVL2379751 Acquired: 11/15/2013 4:16:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00997**	**.11458**	**.01305**	**.10718**	**.01078**	**.00098**	**.11803**	**.18585**	**.00479**	**.01030**	**.01074**	**.01414**	**.10837**
Stddev	.00000	.00029	.00035	.00041	.00009	.00004	.00235	.00430	.00016	.00011	.00004	.00022	.00254
%RSD	.03272	.25349	2.6716	.38389	.79781	3.6629	1.9931	2.3161	3.3306	1.1026	.35554	1.5732	2.3420
#1	.00997	.11438	.01281	.10689	.01072	.00100	.11637	.18281	.00490	.01022	.01077	.01398	.11017
#2	.00998	.11479	.01330	.10747	.01084	.00095	.11970	.18889	.00467	.01038	.01071	.01430	.10658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9994**	**.01092**	**.22072**	**.01041**	**.02053**	**1.1158**	**.04513**	**3.1142**	**.00870**	**.00349**	**.01228**	**.01532**	**.50423**
Stddev	.0263	.00311	.00188	.00000	.00033	.0060	.00006	.0167	.00037	.00262	.00019	.00078	.01231
%RSD	.87619	28.531	.85378	.00023	1.6049	.53304	.13366	.53493	4.2713	75.118	1.5395	5.1076	2.4412
#1	3.0180	.00871	.22205	.01041	.02030	1.1200	.04509	3.1025	.00843	.00164	.01215	.01477	.49553
#2	2.9808	.01312	.21939	.01041	.02076	1.1116	.04518	3.1260	.00896	.00534	.01242	.01587	.51294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0791**	**.10780**	**.00981**	**.01655**	**.01048**	**.01667**	F **.10284**	**.00990**	F **.02625**	**.01526**
Stddev	.0263	.00062	.00021	.00164	.00030	.00086	.01854	.00016	.00095	.00189
%RSD	2.4412	.57347	2.1269	9.9312	2.8823	5.1599	18.028	1.5825	3.6187	12.361
#1	1.0604	.10824	.00966	.01772	.01027	.01728	.08973	.01001	.02558	.01660
#2	1.0977	.10737	.00995	.01539	.01070	.01606	.11595	.00979	.02692	.01393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7119.8**	**78885.**	**6255.1**
Stddev	4.5	102.	9.5
%RSD	.06365	.12891	.15171
#1	7116.6	78957.	6248.3
#2	7123.0	78813.	6261.8

Sample Name: 280-49082-a-6-a Acquired: 11/15/2013 4:18:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00349**	**175.27**	**.08576**	**.24534**	**.37005**	**.01391**	**-.03765**	**104.26**	**.00239**	**.10640**
Stddev	.00002	.52	.00012	.00035	.00030	.00003	.00123	.21	.00027	.00069
%RSD	.60108	.29597	.13961	.14198	.08142	.24849	3.2582	.20529	11.323	.65035
#1	-.00348	174.90	.08568	.24509	.36984	.01388	-.03852	104.11	.00258	.10591
#2	-.00351	175.64	.08585	.24558	.37026	.01393	-.03678	104.41	.00220	.10689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35230**	**.04051**	**276.04**	**38.850**	**.22095**	**72.445**	**2.2761**	**.00198**	**3.2627**	**.34397**
Stddev	.00050	.00044	.14	.219	.00158	.273	.0098	.00001	.0173	.00079
%RSD	.14241	1.0792	.04967	.56471	.71526	.37739	.43086	.30872	.53041	.22917
#1	.35195	.04020	275.94	38.695	.22207	72.251	2.2692	.00198	3.2750	.34342
#2	.35266	.04082	276.13	39.005	.21983	72.638	2.2831	.00198	3.2505	.34453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3592**	**.06858**	**.24586**	**.00265**	**.00573**	**3.4652**	**7.4154**	**.01398**	**.80624**	**.09316**
Stddev	.0070	.00083	.00004	.00121	.00518	.0070	.0151	.00009	.00276	.00103
%RSD	.29743	1.2057	.01748	45.538	90.443	.20342	.20342	.63296	.34246	1.1093
#1	2.3543	.06800	.24583	.00350	.00939	3.4701	7.4261	.01404	.80429	.09243
#2	2.3642	.06917	.24589	.00180	.00206	3.4602	7.4048	.01392	.80820	.09389
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65106**	**-.00822**	F **-.51332**	**.41217**	**.33548**	**.04970**
Stddev	.00318	.00008	.01081	.00370	.00025	.00059
%RSD	.48774	.95268	2.1059	.89767	.07495	1.1916
#1	.64881	-.00816	-.50568	.40955	.33530	.05012
#2	.65330	-.00827	-.52097	.41478	.33566	.04928
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7272.9**	**80262.**	**6929.4**
Stddev	10.4	485.	41.7
%RSD	.14341	.60458	.60216
#1	7265.6	80605.	6899.9
#2	7280.3	79919.	6958.9

Sample Name: 280-49082-a-7-d Acquired: 11/15/2013 4:21:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00309**	**170.13**	**.07873**	**.24639**	**.33574**	**.01385**	W **-.05313**	**15.092**	**.00261**	**.10168**
Stddev	.00079	.99	.00127	.00046	.00027	.00003	.00065	.106	.00001	.00101
%RSD	25.566	.58357	1.6180	.18513	.08099	.23469	1.2248	.70449	.53233	.99710
#1	-.00365	170.83	.07783	.24671	.33593	.01387	-.05359	15.167	.00262	.10239
#2	-.00254	169.42	.07963	.24607	.33555	.01382	-.05267	15.016	.00260	.10096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43079**	**.05648**	**388.27**	**31.121**	**.27656**	**49.391**	**1.1741**	**.00433**	**4.8440**	**.33110**
Stddev	.00001	.00005	.98	.035	.00259	.085	.0021	.00006	.0418	.00114
%RSD	.00293	.08522	.25288	.11200	.93720	.17246	.17845	1.2772	.86333	.34418
#1	.43078	.05644	388.96	31.146	.27473	49.451	1.1756	.00437	4.8735	.33190
#2	.43080	.05651	387.58	31.096	.27839	49.330	1.1726	.00429	4.8144	.33029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7111**	**.06824**	**.21169**	**.00426**	**-.00079**	**3.2924**	**7.0457**	**.01608**	**.63435**	**.10610**
Stddev	.0141	.00187	.00060	.00093	.00128	.0012	.0026	.00070	.00192	.00277
%RSD	.82435	2.7352	.28488	21.756	162.15	.03619	.03619	4.3478	.30243	2.6150
#1	1.7211	.06956	.21212	.00361	.00012	3.2932	7.0475	.01658	.63571	.10414
#2	1.7011	.06692	.21127	.00492	-.00170	3.2916	7.0439	.01559	.63299	.10807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87105**	**-.00987**	F **-.40973**	**.49389**	**.33073**	**.07000**
Stddev	.00232	.00052	.02788	.00326	.00041	.00023
%RSD	.26578	5.2411	6.8036	.66007	.12393	.33098
#1	.87269	-.01023	-.42944	.49620	.33044	.06984
#2	.86941	-.00950	-.39001	.49159	.33102	.07017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7466.4**	**82116.**	**6912.8**
Stddev	9.3	62.	24.2
%RSD	.12435	.07497	.35047
#1	7473.0	82073.	6895.7
#2	7459.8	82160.	6929.9

Sample Name: 280-49082-a-8-a Acquired: 11/15/2013 4:23:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**114.10**	**.05252**	**.10613**	**.66764**	**.00713**	**-.02807**	**277.00**	**.00652**	**.06474**
Stddev	.00014	.01	.00018	.00090	.00118	.00012	.00196	.77	.00017	.00049
%RSD	37.629	.00577	.33329	.84930	.17640	1.7239	6.9917	.27827	2.6026	.76207
#1	-.00047	114.10	.05239	.10549	.66680	.00721	-.02668	277.54	.00640	.06439
#2	-.00027	114.11	.05264	.10677	.66847	.00704	-.02946	276.45	.00664	.06509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36591**	**.31842**	**167.96**	**50.400**	**.14699**	**56.416**	**3.5990**	**.00240**	**4.1783**	**.19011**
Stddev	.00177	.00052	.32	.062	.00129	.036	.0207	.00008	.0010	.00140
%RSD	.48306	.16380	.18863	.12309	.87862	.06366	.57541	3.1957	.02347	.73718
#1	.36466	.31805	168.18	50.356	.14790	56.390	3.6136	.00234	4.1790	.18911
#2	.36716	.31879	167.73	50.444	.14608	56.441	3.5844	.00245	4.1776	.19110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3024**	**.14024**	**16.022**	**-.00012**	**.00827**	**3.3304**	**7.1270**	**.01153**	**1.5126**	**.04757**
Stddev	.0143	.00093	.043	.00015	.00029	.0909	.1946	.00118	.0007	.00025
%RSD	.62211	.66295	.27032	130.30	3.5328	2.7300	2.7300	10.275	.04914	.51724
#1	2.2923	.13958	15.991	-.00022	.00847	3.3947	7.2646	.01069	1.5131	.04740
#2	2.3125	.14090	16.052	-.00001	.00806	3.2661	6.9894	.01237	1.5121	.04774
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69204**	**-.00174**	F **-.23107**	**.27610**	**.54301**	**.06669**
Stddev	.00428	.00010	.02663	.00057	.00150	.00093
%RSD	.61787	5.4695	11.526	.20478	.27540	1.4001
#1	.69506	-.00181	-.21224	.27570	.54407	.06735
#2	.68902	-.00167	-.24991	.27650	.54195	.06603
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7077.4**	**77440.**	**6746.6**
Stddev	4.2	124.	23.6
%RSD	.05865	.15982	.34936
#1	7074.4	77352.	6763.2
#2	7080.3	77528.	6729.9

Sample Name: 280-49082-a-9-a Acquired: 11/15/2013 4:25:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00228**	**85.136**	**.04953**	**.12924**	**.23113**	**.00923**	**-.02714**	**17.905**	**.00180**	**.09050**
Stddev	.00021	.222	.00205	.00006	.00086	.00002	.00133	.018	.00023	.00017
%RSD	9.4324	.26130	4.1402	.04593	.37354	.26383	4.9128	.09894	12.633	.19251
#1	-.00243	84.979	.04808	.12920	.23052	.00922	-.02809	17.892	.00196	.09062
#2	-.00213	85.294	.05098	.12929	.23174	.00925	-.02620	17.917	.00164	.09038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28709**	**.05844**	**223.26**	**18.346**	**.17284**	**33.471**	**.63304**	**.00154**	**4.0096**	**.27713**
Stddev	.00026	.00040	.89	.116	.00288	.065	.00149	.00006	.0017	.00022
%RSD	.08901	.68968	.40002	.63150	1.6636	.19304	.23479	3.8681	.04315	.07839
#1	.28727	.05816	222.63	18.264	.17081	33.516	.63199	.00158	4.0108	.27728
#2	.28691	.05873	223.89	18.428	.17488	33.425	.63409	.00150	4.0084	.27697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2099**	**.06528**	**1.2897**	**-.00101**	**.00053**	**1.6338**	**3.4963**	**.01359**	**.49468**	**.07799**
Stddev	.0079	.00048	.0042	.00046	.00207	.0177	.0379	.00021	.00138	.00131
%RSD	.65371	.73827	.32838	45.623	392.03	1.0831	1.0831	1.5660	.27827	1.6778
#1	1.2155	.06562	1.2927	-.00069	.00199	1.6213	3.4695	.01374	.49371	.07892
#2	1.2043	.06494	1.2868	-.00134	-.00093	1.6463	3.5231	.01344	.49566	.07707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44991**	**-.00705**	F **-.33577**	**.30947**	**.26182**	**.04663**
Stddev	.00110	.00038	.00023	.00241	.00218	.00151
%RSD	.24477	5.3826	.06781	.78008	.83280	3.2395
#1	.44913	-.00732	-.33593	.30776	.26336	.04556
#2	.45069	-.00678	-.33561	.31118	.26028	.04770
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7534.9**	**83519.**	**7002.4**
Stddev	9.0	443.	9.8
%RSD	.11970	.53090	.14054
#1	7541.3	83205.	7009.4
#2	7528.6	83832.	6995.5

Sample Name: 280-49082-a-10-b Acquired: 11/15/2013 4:27:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**135.02**	**.06074**	**.06797**	**1.0924**	**.00824**	**-.03923**	**119.87**	**.00250**	**.08003**
Stddev	.00013	.42	.00266	.00008	.0026	.00000	.00094	.37	.00008	.00012
%RSD	14.476	.30898	4.3863	.11108	.23480	.01570	2.3981	.31005	3.0661	.15158
#1	-.00081	135.31	.06262	.06791	1.0942	.00824	-.03990	120.13	.00245	.08011
#2	-.00100	134.72	.05885	.06802	1.0905	.00824	-.03857	119.61	.00256	.07994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25114**	**.15322**	**217.37**	**14.940**	**.14073**	**47.050**	**3.9150**	**.00156**	**1.0302**	**.18438**
Stddev	.00049	.00003	.62	.117	.00062	.188	.0391	.00021	.0052	.00021
%RSD	.19384	.01767	.28314	.78000	.43833	.39988	.99911	13.441	.50291	.11323
#1	.25148	.15320	217.81	15.023	.14029	47.183	3.8873	.00170	1.0265	.18452
#2	.25079	.15324	216.94	14.858	.14117	46.917	3.9426	.00141	1.0339	.18423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98420**	**.08997**	**1.9656**	**.00389**	**-.00004**	**3.1919**	**6.8306**	**.01247**	**.52610**	**.06274**
Stddev	.00200	.00051	.0009	.00156	.00097	.0265	.0566	.00003	.00093	.00302
%RSD	.20277	.57239	.04650	40.203	2252.5	.82855	.82855	.22119	.17642	4.8197
#1	.98561	.09034	1.9662	.00278	-.00073	3.1732	6.7906	.01245	.52676	.06487
#2	.98279	.08961	1.9650	.00500	.00064	3.2106	6.8707	.01249	.52545	.06060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0837**	**-.00509**	F **-.25703**	**.33817**	**.29941**	**.08092**
Stddev	.0013	.00044	.03006	.00041	.00334	.00228
%RSD	.12088	8.5456	11.695	.12238	1.1162	2.8186
#1	1.0846	-.00540	-.27828	.33787	.30178	.08253
#2	1.0828	-.00478	-.23577	.33846	.29705	.07931
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7398.0**	**80851.**	**6829.9**
Stddev	.4	222.	33.4
%RSD	.00516	.27481	.48852
#1	7397.7	80694.	6853.5
#2	7398.2	81008.	6806.3

Sample Name: 280-49082-a-11-b Acquired: 11/15/2013 4:30:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**141.97**	**.07046**	**.19085**	**.63574**	**.01028**	W **-.05087**	**297.46**	**.00327**	**.10500**
Stddev	.00029	.51	.00037	.00093	.00327	.00019	.00276	.77	.00032	.00051
%RSD	20.706	.36096	.52360	.48473	.51488	1.8746	5.4265	.26008	9.8278	.48340
#1	-.00163	142.33	.07020	.19019	.63805	.01014	-.05283	296.91	.00350	.10464
#2	-.00121	141.60	.07072	.19150	.63342	.01041	-.04892	298.01	.00305	.10536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31537**	**.06693**	**328.72**	**26.741**	**.22357**	**140.01**	**9.4177**	**.00110**	**3.5961**	**.29210**
Stddev	.00225	.00004	1.23	.136	.00163	.24	.0120	.00044	.0002	.00194
%RSD	.71390	.06521	.37328	.50836	.72812	.17313	.12695	39.624	.00479	.66536
#1	.31377	.06690	329.59	26.838	.22241	140.18	9.4092	.00141	3.5962	.29072
#2	.31696	.06696	327.85	26.645	.22472	139.84	9.4261	.00079	3.5959	.29347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9260**	**.07269**	**1.5498**	**.00444**	**.00382**	**2.8568**	**6.1135**	**.01369**	**.78434**	**.06913**
Stddev	.0114	.00018	.0091	.00050	.00549	.0244	.0522	.00019	.00438	.00273
%RSD	.59329	.24808	.58974	11.360	143.71	.85376	.85376	1.4194	.55813	3.9513
#1	1.9180	.07256	1.5433	.00480	.00770	2.8395	6.0766	.01355	.78743	.06720
#2	1.9341	.07282	1.5562	.00408	-.00006	2.8740	6.1504	.01383	.78124	.07106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3994**	**-.00930**	F **-.29113**	**.35020**	**.39719**	**.05967**
Stddev	.0019	.00077	.00424	.00065	.00052	.00176
%RSD	.13416	8.2328	1.4548	.18537	.13157	2.9423
#1	1.4007	-.00984	-.28814	.35066	.39682	.05843
#2	1.3980	-.00876	-.29413	.34974	.39756	.06092
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7296.6**	**80464.**	**7028.3**
Stddev	8.9	159.	.8
%RSD	.12257	.19752	.01142
#1	7290.3	80351.	7028.9
#2	7303.0	80576.	7027.7

Sample Name: 280-49082-a-12-b Acquired: 11/15/2013 4:32:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**169.20**	**.11651**	**.19257**	**.50586**	**.01233**	W **-.06056**	**55.441**	**.00297**	**.15419**
Stddev	.00015	1.29	.00188	.00056	.00220	.00004	.00012	.335	.00022	.00009
%RSD	11.912	.76314	1.6177	.28857	.43420	.33319	.19818	.60378	7.5766	.05598
#1	-.00140	168.29	.11518	.19296	.50431	.01230	-.06048	55.205	.00313	.15413
#2	-.00118	170.11	.11785	.19217	.50742	.01235	-.06065	55.678	.00281	.15425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41105**	**.08875**	**391.86**	**36.550**	**.29370**	**84.751**	**2.5342**	**.00312**	**3.9541**	**.45189**
Stddev	.00069	.00053	1.77	.219	.00152	.089	.0594	.00036	.0238	.00054
%RSD	.16713	.59902	.45142	.59903	.51640	.10525	2.3418	11.418	.60118	.11864
#1	.41153	.08913	390.61	36.395	.29477	84.688	2.4923	.00337	3.9373	.45151
#2	.41056	.08838	393.11	36.704	.29263	84.814	2.5762	.00287	3.9709	.45227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9753**	**.09416**	**1.4156**	**.00284**	**.00184**	**2.6511**	**5.6734**	**.01658**	**.62198**	**.10271**
Stddev	.0040	.00124	.0055	.00038	.00393	.0210	.0449	.00039	.00327	.00160
%RSD	.10050	1.3132	.38675	13.402	213.73	.79187	.79187	2.3683	.52532	1.5552
#1	3.9781	.09329	1.4194	.00257	.00462	2.6363	5.6416	.01630	.61967	.10384
#2	3.9724	.09504	1.4117	.00311	-.00094	2.6660	5.7051	.01685	.62429	.10158
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5871**	W **-.01020**	F **-.35935**	**.39917**	**.61401**	**.06736**
Stddev	.0007	.00164	.00202	.00006	.00401	.00055
%RSD	.04412	16.112	.56251	.01608	.65300	.81238
#1	1.5876	-.01137	-.35792	.39913	.61117	.06698
#2	1.5866	-.00904	-.36078	.39922	.61684	.06775
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7463.2**	**82193.**	**7019.7**
Stddev	3.5	371.	21.3
%RSD	.04720	.45195	.30404
#1	7465.7	82456.	7034.8
#2	7460.7	81930.	7004.6

Sample Name: 280-49082-a-13-b Acquired: 11/15/2013 4:35:16 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00261**	**159.19**	**.05850**	**.20133**	**.48758**	**.01376**	**-.03337**	**30.982**	**.00215**	**.08188**
Stddev	.00012	.40	.00112	.00116	.00164	.00010	.00048	.024	.00011	.00041
%RSD	4.5145	.25275	1.9077	.57572	.33591	.75647	1.4425	.07745	4.9010	.49677
#1	-.00253	159.48	.05771	.20051	.48642	.01368	-.03371	30.999	.00223	.08159
#2	-.00270	158.91	.05929	.20215	.48874	.01383	-.03303	30.965	.00208	.08216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33270**	**.15913**	**278.48**	**34.789**	**.20888**	**55.368**	**1.3383**	**.00219**	**3.6863**	**.31413**
Stddev	.00132	.00064	.86	.048	.00343	.193	.0031	.00002	.0138	.00249
%RSD	.39656	.40139	.30884	.13657	1.6407	.34935	.22827	1.0794	.37435	.79363
#1	.33363	.15868	277.87	34.755	.20645	55.505	1.3405	.00221	3.6766	.31237
#2	.33176	.15959	279.09	34.822	.21130	55.231	1.3362	.00217	3.6961	.31589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1667**	**.05763**	**.26903**	**.00426**	**.00360**	**2.8617**	**6.1241**	**.01397**	**.72536**	**.09467**
Stddev	.0077	.00163	.00011	.00140	.00245	.0308	.0659	.00011	.00014	.00518
%RSD	.35496	2.8221	.04033	32.850	67.918	1.0758	1.0758	.82183	.01993	5.4664
#1	2.1612	.05648	.26911	.00327	.00187	2.8399	6.0775	.01405	.72526	.09833
#2	2.1721	.05878	.26895	.00525	.00533	2.8835	6.1706	.01388	.72546	.09101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44048**	**-.00624**	F **-.38772**	**.39368**	**.30396**	**.04802**
Stddev	.00096	.00136	.03185	.00110	.00254	.00046
%RSD	.21895	21.859	8.2153	.28035	.83663	.95770
#1	.44116	-.00528	-.41025	.39446	.30576	.04770
#2	.43979	-.00721	-.36520	.39290	.30216	.04835
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7460.7**	**82175.**	**6950.4**
Stddev	11.0	453.	12.3
%RSD	.14726	.55116	.17678
#1	7468.5	81854.	6941.7
#2	7453.0	82495.	6959.1

Sample Name: 280-49082-a-14-b Acquired: 11/15/2013 4:37:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00188**	**89.561**	**.02926**	**.04120**	**.42953**	**.00509**	**-.01817**	**8.9668**	**.00105**	**.04759**
Stddev	.00026	.045	.00076	.00021	.00160	.00011	.00122	.0057	.00007	.00015
%RSD	13.975	.05031	2.5903	.49766	.37339	2.0673	6.7351	.06408	6.4013	.32278
#1	-.00206	89.593	.02873	.04105	.42840	.00502	-.01730	8.9627	.00110	.04748
#2	-.00169	89.529	.02980	.04134	.43067	.00517	-.01903	8.9708	.00100	.04770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14111**	**.09061**	**115.25**	**10.502**	**.09033**	**21.475**	**1.2851**	**.00097**	**.94280**	**.10552**
Stddev	.00073	.00081	.46	.009	.00061	.061	.0014	.00004	.01881	.00009
%RSD	.51922	.89484	.39583	.08168	.67909	.28633	.10529	4.0879	1.9947	.08447
#1	.14059	.09004	114.92	10.508	.09076	21.431	1.2841	.00099	.95610	.10546
#2	.14163	.09118	115.57	10.496	.08989	21.518	1.2860	.00094	.92950	.10558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49652**	**.04786**	**.11491**	**.00049**	**-.00059**	**1.9520**	**4.1772**	**.00891**	**.16101**	**.04585**
Stddev	.00004	.00013	.00343	.00076	.00078	.0091	.0194	.00034	.00004	.00319
%RSD	.00762	.27254	2.9807	155.69	133.95	.46413	.46413	3.7959	.02692	6.9513
#1	.49649	.04795	.11249	.00102	-.00114	1.9456	4.1635	.00867	.16104	.04810
#2	.49655	.04777	.11733	-.00005	-.00003	1.9584	4.1909	.00915	.16098	.04360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53575**	**-.00200**	F **-.20110**	**.18159**	**.15831**	**.05722**
Stddev	.00084	.00092	.04949	.00007	.00031	.00029
%RSD	.15594	46.294	24.612	.03646	.19278	.50789
#1	.53516	-.00265	-.23610	.18164	.15810	.05742
#2	.53635	-.00134	-.16610	.18155	.15853	.05701
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7454.2**	**82356.**	**6782.0**
Stddev	4.8	244.	5.1
%RSD	.06409	.29609	.07463
#1	7450.8	82528.	6785.6
#2	7457.6	82184.	6778.4

Sample Name: 280-49082-a-15-b Acquired: 11/15/2013 4:39:49 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**98.251**	**.05866**	**.11681**	**.95672**	**.00922**	**-.03604**	**39.618**	**.00186**	**.14373**
Stddev	.00001	.467	.00020	.00010	.00400	.00005	.00010	.238	.00009	.00081
%RSD	.21579	.47519	.34427	.08947	.41798	.58719	.28705	.60146	5.0151	.56311
#1	-.00240	98.581	.05852	.11688	.95955	.00926	-.03611	39.786	.00193	.14430
#2	-.00241	97.921	.05880	.11673	.95389	.00918	-.03596	39.449	.00180	.14316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26680**	**.07966**	**208.67**	**20.157**	**.16724**	**41.902**	**5.8229**	**.00230**	**2.0163**	**.30477**
Stddev	.00181	.00092	1.40	.103	.00094	.045	.0347	.00021	.0077	.00240
%RSD	.67764	1.1568	.67207	.50908	.56062	.10751	.59609	8.9737	.38278	.78726
#1	.26808	.07901	209.66	20.229	.16791	41.870	5.7984	.00245	2.0109	.30647
#2	.26552	.08031	207.68	20.084	.16658	41.934	5.8475	.00215	2.0218	.30308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2400**	**.07468**	**.20275**	**-.00072**	**.00011**	**2.3106**	**4.9446**	**.01159**	**.33785**	**.07780**
Stddev	.0120	.00076	.00011	.00169	.00076	.0055	.0117	.00055	.00226	.00139
%RSD	.96673	1.0234	.05536	234.12	706.26	.23572	.23572	4.7278	.66992	1.7906
#1	1.2485	.07522	.20283	-.00191	.00065	2.3067	4.9364	.01120	.33945	.07682
#2	1.2315	.07414	.20267	.00047	-.00043	2.3144	4.9529	.01198	.33625	.07879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82321**	**-.00611**	F **-.43087**	**.33091**	**.28330**	**.06727**
Stddev	.00021	.00032	.01416	.00079	.00082	.00322
%RSD	.02496	5.2186	3.2862	.23915	.28891	4.7855
#1	.82336	-.00589	-.42086	.33035	.28388	.06499
#2	.82307	-.00634	-.44088	.33147	.28272	.06955
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7490.5**	**82846.**	**6946.2**
Stddev	15.9	49.	59.6
%RSD	.21260	.05894	.85852
#1	7479.2	82881.	6904.0
#2	7501.8	82812.	6988.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 4:42:08 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00746**	**48.059**	**-.00124**	**.00132**	**.00056**	**-.00008**	W **1.0674**	**.02536**	**.00060**	**-.00090**	**.00028**	**-.00703**
Stddev	.00051	.233	.00088	.00081	.00016	.00010	.0097	.00361	.00015	.00017	.00009	.00005
%RSD	6.8640	.48395	71.458	61.646	28.177	127.09	.90369	14.250	24.346	19.142	33.487	.75482
#1	-.00710	48.224	-.00186	.00074	.00067	-.00015	1.0605	.02281	.00070	-.00078	.00034	-.00707
#2	-.00782	47.895	-.00061	.00190	.00045	-.00001	1.0742	.02792	.00049	-.00102	.00021	-.00699
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.169**	**.08640**	**.00159**	**.05577**	**.00020**	**.00027**	**256.22**	**-.00120**	**.00322**	**-.00133**	**5.0460**	**-.00036**
Stddev	.245	.03166	.00097	.00058	.00006	.00031	.08	.00002	.00065	.00159	.0200	.00092
%RSD	.48809	36.641	61.339	1.0316	31.982	113.80	.03118	1.3035	20.192	119.79	.39558	259.50
#1	50.342	.06401	.00090	.05618	.00016	.00005	256.27	-.00119	.00368	-.00246	5.0319	.00030
#2	49.995	.10878	.00228	.05536	.00025	.00049	256.16	-.00121	.00276	-.00020	5.0601	-.00101
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00343**	**.01653**	**.03538**	**-.00064**	**.00011**	**5.1443**	**.01422**	**.00181**	F **8.3058**	**.00069**	**.00245**	**-.08161**
Stddev	.00273	.01423	.03045	.00059	.00012	.0119	.00091	.00069	.0153	.00070	.00009	.00090
%RSD	79.661	86.076	86.076	91.886	107.68	.23051	6.3928	38.361	.18435	101.53	3.4727	1.1003
#1	-.00536	.00647	.01384	-.00105	.00020	5.1359	.01358	.00230	8.2950	.00019	.00251	-.08224
#2	-.00150	.02659	.05691	-.00022	.00003	5.1526	.01487	.00132	8.3167	.00118	.00239	-.08097
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6970.3**	**76588.**	**6341.1**
Stddev	50.4	566.	43.9
%RSD	.72293	.73862	.69226
#1	7005.9	76988.	6310.1
#2	6934.6	76188.	6372.1

Sample Name: CCV-2372889 Acquired: 11/15/2013 4:44:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56138	F .56068	1.0665	.53895	.51800	.47468	-.01031	4.7381	.49306	.51319	.54714	.51735
Stddev	.00044	.00169	.0075	.00240	.00105	.00107	.00104	.0025	.00233	.00209	.00230	.00046
%RSD	.07789	.30111	.70025	.44596	.20189	.22532	10.062	.05199	.47335	.40820	.42088	.08901
#1	.56107	.56187	1.0717	.54065	.51874	.47392	-.01104	4.7399	.49471	.51467	.54877	.51703
#2	.56169	.55948	1.0612	.53725	.51726	.47544	-.00958	4.7364	.49141	.51171	.54551	.51768
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6421	49.886	1.0244	21.399	.51247	.53668	5.2540	W .55241	1.0737	.98590	-.00156	1.0443
Stddev	.0045	.016	.0033	.043	.00120	.00174	.0100	.00340	.0032	.00251	.00356	.0044
%RSD	.16943	.03283	.31982	.19875	.23371	.32393	.19096	.61561	.29413	.25420	228.71	.42097
#1	2.6453	49.874	1.0268	21.429	.51332	.53790	5.2469	.55481	1.0760	.98767	.00096	1.0474
#2	2.6390	49.897	1.0221	21.369	.51162	.53545	5.2611	.55001	1.0715	.98413	-.00408	1.0411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.000%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0981	5.1921	11.111	1.0711	.50202	.00432	.52254	1.0282	-.03307	.49604	.53526	.49834
Stddev	.0023	.0261	.056	.0054	.00077	.00109	.00251	.0064	.02075	.00310	.00013	.00252
%RSD	.20651	.50186	.50186	.50734	.15390	25.265	.47986	.61842	62.748	.62441	.02339	.50570
#1	1.0997	5.2105	11.150	1.0749	.50257	.00354	.52432	1.0327	-.01840	.49823	.53534	.49656
#2	1.0965	5.1737	11.072	1.0672	.50147	.00509	.52077	1.0237	-.04774	.49385	.53517	.50013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6986.0	77784.	6301.1
Stddev	8.2	240.	10.9
%RSD	.11737	.30824	.17275
#1	6980.2	77954.	6293.4
#2	6991.8	77615.	6308.8

Sample Name: CCB Acquired: 11/15/2013 4:46:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00103**	**.01515**	**.00037**	**.00121**	**.00013**	**.00017**	**.00219**	**-.00202**	**-.00010**	**-.00001**	**.00002**
Stddev	.00008	.01835	.00317	.00019	.00066	.00004	.00169	.00069	.00000	.00006	.00016
%RSD	8.0402	121.11	862.99	15.804	501.03	25.285	76.932	34.175	3.2148	850.21	922.63
#1	-.00109	.00218	.00261	.00134	.00060	.00020	.00339	-.00251	-.00010	-.00005	-.00009
#2	-.00097	.02812	-.00187	.00107	-.00033	.00014	.00100	-.00153	-.00010	.00003	.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**.00048**	**.11228**	W **.00306**	**.00150**	**.00011**	**.00018**	W **.12045**	**-.00020**	**.00071**	**-.00079**
Stddev	.00052	.00058	.02255	.00078	.00189	.00001	.00003	.00312	.00005	.00174	.00092
%RSD	73.725	121.25	20.087	25.493	125.62	6.7636	15.325	2.5915	23.758	246.94	115.91
#1	-.00107	.00089	.09633	.00251	.00283	.00012	.00020	.12266	-.00024	-.00053	-.00014
#2	-.00034	.00007	.12823	.00361	.00017	.00011	.00016	.11824	-.00017	.00194	-.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	W **.00584**	**.00287**	**-.00081**	**-.00174**	**-.00088**	**-.00012**	**.00452**	**-.00015**	**.00108**	F **-.06692**
Stddev	.00285	.00013	.00198	.00204	.00437	.00041	.00011	.00212	.00001	.00077	.00763
%RSD	64.367	2.2990	69.194	251.00	251.00	46.329	86.678	46.811	5.8084	70.585	11.400
#1	.00241	.00574	.00146	.00063	.00135	-.00116	-.00005	.00602	-.00016	.00054	-.06152
#2	.00644	.00593	.00427	-.00226	-.00483	-.00059	-.00020	.00302	-.00015	.00163	-.07231
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00015**	**.00353**	**-.00103**
Stddev	.00005	.00057	.00070
%RSD	32.576	16.089	67.907
#1	.00012	.00312	-.00153
#2	.00018	.00393	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7003.6**	**78234.**	**6207.7**
Stddev	37.4	298.	41.8
%RSD	.53369	.38058	.67273
#1	6977.2	78444.	6237.2
#2	7030.1	78023.	6178.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 4:48:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00974**	**.11356**	**.01565**	**.10680**	**.01066**	**.00103**	**.12009**	**.19404**	**.00479**	**.01032**	**.01093**	**.01418**	**.11078**
Stddev	.00069	.00021	.00174	.00072	.00019	.00005	.00058	.00067	.00012	.00001	.00000	.00019	.00155
%RSD	7.0366	.18795	11.113	.67592	1.7472	4.9218	.47971	.34319	2.5047	.11784	.01087	1.3386	1.3981
#1	.00926	.11341	.01442	.10731	.01053	.00100	.11968	.19357	.00470	.01031	.01094	.01431	.10968
#2	.01023	.11371	.01688	.10629	.01079	.00107	.12050	.19451	.00487	.01033	.01093	.01404	.11187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0070**	**.01099**	**.22032**	**.01036**	**.02034**	**1.1131**	**.04456**	**3.1126**	**.00960**	**.00442**	**.00973**	**.01758**	**.49691**
Stddev	.0410	.00108	.00027	.00004	.00003	.0134	.00019	.0033	.00057	.00152	.00140	.00133	.01011
%RSD	1.3634	9.7837	.12074	.33991	.15012	1.1999	.43081	.10723	5.9003	34.417	14.420	7.5891	2.0343
#1	2.9780	.01175	.22051	.01039	.02037	1.1036	.04442	3.1150	.00920	.00549	.01073	.01664	.48976
#2	3.0360	.01023	.22013	.01034	.02032	1.1225	.04470	3.1102	.01000	.00334	.00874	.01852	.50406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0634**	**.10719**	**.00987**	**.01679**	**.01012**	**.01604**	F **.10416**	**.00985**	**.02485**	**.01505**
Stddev	.0216	.00022	.00010	.00021	.00011	.00078	.03259	.00017	.00040	.00039
%RSD	2.0343	.20124	.98543	1.2603	1.0890	4.8327	31.292	1.7126	1.6262	2.5842
#1	1.0481	.10734	.00994	.01664	.01004	.01659	.12721	.00973	.02514	.01532
#2	1.0787	.10703	.00980	.01694	.01020	.01550	.08111	.00997	.02457	.01477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7212.6**	**80671.**	**6372.7**
Stddev	5.8	284.	39.2
%RSD	.08098	.35233	.61441
#1	7216.8	80872.	6400.4
#2	7208.5	80470.	6345.0

Sample Name: 280-49126-a-1-a Acquired: 11/15/2013 4:51:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00210**	**156.45**	**.02420**	**.05130**	**1.8926**	**.00539**	W **-.08442**	**132.86**	**.00273**	**.07269**
Stddev	.00017	.32	.00146	.00004	.0005	.00002	.00015	.22	.00012	.00054
%RSD	8.0354	.20351	6.0246	.08238	.02715	.29424	.17842	.16241	4.4142	.74319
#1	-.00222	156.68	.02523	.05127	1.8930	.00540	-.08452	133.01	.00282	.07231
#2	-.00198	156.23	.02317	.05133	1.8923	.00538	-.08431	132.71	.00265	.07308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11721**	**.23972**	**210.76**	**51.190**	**.09879**	**35.761**	**2.7179**	**.00319**	W **10.675**	**12.149**
Stddev	.00012	.00093	.61	.044	.00154	.047	.0156	.00011	.012	.054
%RSD	.10274	.38861	.29022	.08502	1.5622	.13152	.57419	3.4363	.11249	.44539
#1	.11712	.24038	211.19	51.221	.09989	35.794	2.7289	.00327	10.667	12.187
#2	.11729	.23906	210.33	51.159	.09770	35.727	2.7069	.00312	10.684	12.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07042**	W **7.6681**	**.11971**	**2.4680**	**.00101**	**.00562**	**2.3958**	**5.1271**	**.01614**	**2.4685**
Stddev	.00007	.0032	.00093	.0057	.00275	.00064	.0024	.0051	.00002	.0025
%RSD	.10302	.04169	.77370	.23118	272.46	11.417	.09965	.09965	.09842	.09959
#1	.07047	7.6703	.12036	2.4640	-.00093	.00607	2.3942	5.1235	.01613	2.4702
#2	.07037	7.6658	.11905	2.4720	.00295	.00516	2.3975	5.1307	.01615	2.4668
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06248**	**3.6125**	**-.00638**	F **-.39454**	**.54292**	**.54565**	**.30603**
Stddev	.00316	.0012	.00100	.04151	.00018	.00025	.00169
%RSD	5.0596	.03391	15.638	10.520	.03396	.04579	.55270
#1	.06472	3.6134	-.00709	-.42388	.54305	.54582	.30483
#2	.06025	3.6116	-.00567	-.36519	.54279	.54547	.30722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7669.1**	**84752.**	**7303.6**
Stddev	22.9	211.	69.6
%RSD	.29878	.24934	.95301
#1	7652.9	84602.	7254.4
#2	7685.3	84901.	7352.8

Sample Name: 280-49126-a-2-a Acquired: 11/15/2013 4:53:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**169.43**	**.03950**	**.05282**	**2.1315**	**.00588**	W **-.09149**	**232.33**	**.00451**	**.08038**
Stddev	.00052	.37	.00141	.00006	.0038	.00005	.00050	3.88	.00004	.00038
%RSD	51.120	.21577	3.5776	.10738	.17972	.91883	.55173	1.6706	.81963	.47077
#1	-.00137	169.18	.04050	.05286	2.1342	.00585	-.09113	229.59	.00454	.08011
#2	-.00064	169.69	.03850	.05278	2.1288	.00592	-.09185	235.08	.00449	.08064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15126**	**.28125**	**257.19**	**49.424**	**.12173**	**43.704**	**4.9991**	**.00611**	**44.075**	**.10895**
Stddev	.00096	.00016	.63	.088	.00060	.104	.0177	.00001	.155	.00042
%RSD	.63745	.05669	.24391	.17785	.49399	.23901	.35459	.10903	.35226	.38514
#1	.15058	.28114	257.64	49.362	.12130	43.630	5.0116	.00610	44.184	.10865
#2	.15194	.28136	256.75	49.487	.12215	43.778	4.9865	.00611	43.965	.10925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7258**	**.26615**	**3.6197**	**.00174**	**.00157**	**2.9246**	**6.2586**	**.01980**	**2.4223**	**.08143**
Stddev	.0061	.00134	.0089	.00324	.00107	.0287	.0614	.00063	.0005	.00015
%RSD	.09106	.50240	.24436	186.38	68.292	.98152	.98152	3.1816	.02247	.18618
#1	6.7215	.26520	3.6135	.00403	.00233	2.9043	6.2151	.02025	2.4219	.08154
#2	6.7301	.26709	3.6260	-.00055	.00081	2.9449	6.3020	.01936	2.4226	.08132
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9213**	**-.00693**	F **-.41209**	**.56572**	**.98518**	**.29218**
Stddev	.0044	.00100	.00484	.00008	.00476	.00195
%RSD	.11114	14.413	1.1745	.01499	.48287	.66807
#1	3.9182	-.00764	-.41551	.56578	.98182	.29080
#2	3.9244	-.00623	-.40866	.56566	.98855	.29356
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7577.6**	**83863.**	**7363.9**
Stddev	.6	118.	16.1
%RSD	.00838	.14127	.21863
#1	7578.1	83947.	7375.3
#2	7577.2	83780.	7352.5

Sample Name: 280-49126-a-3-a Acquired: 11/15/2013 4:56:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05278**	**98.457**	**.06745**	**.04127**	**8.2877**	**.00942**	F **-.11391**	**28.811**	**.04160**	**.08271**
Stddev	.00003	.127	.00036	.00015	.0178	.00002	.00071	.041	.00045	.00059
%RSD	.05079	.12895	.53691	.37229	.21424	.26321	.62076	.14218	1.0818	.71191
#1	.05276	98.547	.06719	.04116	8.3002	.00940	-.11341	28.840	.04191	.08312
#2	.05280	98.367	.06770	.04138	8.2751	.00944	-.11441	28.782	.04128	.08229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28888**	W **21.718**	RW **545.90**	**13.714**	**.07089**	**25.784**	**2.8194**	**.06558**	**2.1743**	**.29688**
Stddev	.00145	.041	.60	.029	.00015	.014	.0085	.00076	.0027	.00041
%RSD	.50289	.18861	.11033	.21476	.21024	.05557	.30032	1.1636	.12275	.13691
#1	.28990	21.689	546.32	13.693	.07078	25.794	2.8254	.06612	2.1724	.29717
#2	.28785	21.747	545.47	13.735	.07099	25.774	2.8134	.06504	2.1762	.29659
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.772**	**2.4487**	**9.5910**	**.00852**	**.00424**	**2.5829**	**5.5275**	**.43291**	**1.8326**	**.02818**
Stddev	.002	.0080	.0332	.00306	.00408	.0675	.1446	.00150	.0004	.00377
%RSD	.01771	.32492	.34644	35.896	96.331	2.6153	2.6153	.34614	.02081	13.386
#1	12.771	2.4431	9.5676	.01068	.00135	2.6307	5.6297	.43396	1.8323	.03084
#2	12.774	2.4544	9.6145	.00636	.00712	2.5352	5.4253	.43185	1.8329	.02551
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2059**	W **-.01710**	F **-.13703**	**.35579**	W **11.459**	**.11507**
Stddev	.0015	.00120	.01521	.00019	.014	.00125
%RSD	.04548	6.9897	11.098	.05286	.11800	1.0868
#1	3.2069	-.01794	-.14778	.35592	11.469	.11418
#2	3.2049	-.01625	-.12627	.35566	11.450	.11595
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7372.8**	**82590.**	**6992.0**
Stddev	1.4	309.	31.8
%RSD	.01928	.37409	.45452
#1	7371.8	82372.	6969.6
#2	7373.8	82809.	7014.5

Sample Name: 280-49126-a-4-a Acquired: 11/15/2013 4:59:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**101.80**	**.02204**	**.02060**	**1.2791**	**.00345**	W **-.07490**	**65.120**	**.00843**	**.06627**
Stddev	.00066	.64	.00058	.00140	.0066	.00001	.00105	.289	.00003	.00000
%RSD	3307.2	.63143	2.6238	6.7997	.51450	.17353	1.4036	.44326	.31539	.00026
#1	.00045	102.25	.02163	.01961	1.2838	.00346	-.07416	65.324	.00844	.06627
#2	-.00049	101.34	.02245	.02159	1.2744	.00345	-.07564	64.916	.00841	.06627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09757**	**1.4474**	**184.66**	**15.736**	**.06735**	**29.381**	**3.4963**	**.00280**	**2.2634**	**.08470**
Stddev	.00044	.0024	.80	.083	.00171	.096	.0334	.00028	.0299	.00035
%RSD	.44848	.16935	.43368	.53020	2.5347	.32623	.95430	9.9721	1.3224	.41821
#1	.09726	1.4492	185.23	15.795	.06856	29.314	3.4727	.00300	2.2845	.08444
#2	.09788	1.4457	184.10	15.677	.06614	29.449	3.5199	.00260	2.2422	.08495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.5214**	**.91974**	**1.2359**	**.00124**	**.00180**	**2.4253**	**5.1902**	**.01701**	**1.2241**	**.05803**
Stddev	.0130	.00134	.0016	.00200	.00135	.0092	.0197	.00012	.0080	.00376
%RSD	.19948	.14591	.13091	161.70	74.656	.38039	.38039	.69359	.65450	6.4790
#1	6.5122	.91879	1.2347	-.00018	.00276	2.4318	5.2041	.01709	1.2297	.06069
#2	6.5306	.92069	1.2370	.00265	.00085	2.4188	5.1762	.01693	1.2184	.05537
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2776**	**-.00470**	F **-.28318**	**.38371**	**6.2604**	**.16451**
Stddev	.0040	.00143	.05380	.00003	.0220	.00151
%RSD	.12192	30.361	18.997	.00780	.35194	.91682
#1	3.2748	-.00571	-.32122	.38369	6.2449	.16344
#2	3.2804	-.00369	-.24514	.38373	6.2760	.16557
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7529.8**	**83036.**	**6963.3**
Stddev	9.6	589.	49.4
%RSD	.12773	.70880	.70911
#1	7536.6	83452.	6928.4
#2	7523.0	82620.	6998.2

Sample Name: 280-49126-a-5-a Acquired: 11/15/2013 5:01:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03327**	**75.916**	**.08885**	**.16183**	**1.4720**	**.00271**	W **-.05108**	**215.85**	**.03979**	**.08208**
Stddev	.00009	.789	.00305	.00056	.0174	.00003	.00158	5.42	.00023	.00020
%RSD	.28091	1.0397	3.4281	.34459	1.1792	1.2234	3.0899	2.5115	.57082	.23880
#1	.03320	75.358	.08670	.16143	1.4598	.00269	-.05220	212.02	.03963	.08194
#2	.03334	76.474	.09100	.16222	1.4843	.00273	-.04997	219.68	.03995	.08222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31996**	**6.4850**	**384.65**	**15.712**	**.16201**	**47.337**	**3.3733**	**.04562**	**6.2359**	**.50453**
Stddev	.00061	.0233	5.30	.222	.00361	.009	.0273	.00025	.0787	.00217
%RSD	.19004	.35984	1.3785	1.4115	2.2279	.02003	.80925	.55274	1.2621	.42963
#1	.31953	6.4685	380.90	15.556	.15946	47.344	3.3926	.04580	6.1802	.50299
#2	.32039	6.5015	388.40	15.869	.16457	47.330	3.3540	.04544	6.2915	.50606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.2088**	**2.0498**	**4.5283**	**.01133**	**.00709**	**2.5968**	**5.5571**	W **2.0507**	**.72990**	**.02556**
Stddev	.0313	.0084	.0345	.00305	.00130	.0310	.0664	.0165	.00829	.00408
%RSD	.43465	.41063	.76258	26.892	18.359	1.1939	1.1939	.80488	1.1352	15.968
#1	7.2310	2.0438	4.5039	.01348	.00617	2.5749	5.5102	2.0390	.72404	.02845
#2	7.1867	2.0558	4.5527	.00917	.00802	2.6187	5.6041	2.0624	.73576	.02268
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7190**	W **-.01099**	F **-.17032**	**.25707**	W **17.964**	**.08132**
Stddev	.0034	.00179	.06437	.00036	.043	.00219
%RSD	.19788	16.295	37.791	.14034	.23809	2.6974
#1	1.7214	-.00972	-.12481	.25681	17.995	.07977
#2	1.7166	-.01225	-.21584	.25732	17.934	.08287
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7004.0**	**78387.**	**6669.7**
Stddev	17.7	272.	99.3
%RSD	.25334	.34705	1.4891
#1	6991.5	78195.	6739.9
#2	7016.6	78580.	6599.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 5:03:54 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00779**	**48.482**	**-.00024**	**.00102**	**.00086**	**-.00009**	W **1.0780**	**.04211**	**.00067**	**-.00101**	**.00019**	**-.00696**
Stddev	.00054	.214	.00082	.00024	.00025	.00009	.0015	.00099	.00029	.00010	.00014	.00062
%RSD	6.8909	.44127	348.85	23.652	28.763	97.558	.13985	2.3444	42.345	9.8746	73.593	8.8928
#1	-.00741	48.330	.00035	.00119	.00103	-.00003	1.0769	.04141	.00047	-.00108	.00029	-.00652
#2	-.00817	48.633	-.00082	.00085	.00068	-.00016	1.0791	.04281	.00088	-.00094	.00009	-.00740
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.772**	**.09638**	**.00225**	**.05395**	**.00019**	**.00051**	**260.36**	**-.00137**	**.00281**	**-.00156**	**5.1095**	**-.00034**
Stddev	.016	.01244	.00126	.00057	.00008	.00016	.10	.00011	.00119	.00088	.0097	.00015
%RSD	.03110	12.907	55.990	1.0609	44.301	30.575	.03810	8.1336	42.296	56.173	.18983	43.771
#1	50.761	.08759	.00136	.05435	.00025	.00062	260.43	-.00145	.00197	-.00094	5.1027	-.00023
#2	50.783	.10518	.00313	.05354	.00013	.00040	260.29	-.00129	.00365	-.00218	5.1164	-.00044
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00466**	**.01380**	**.02954**	**-.00011**	**.00018**	**5.1640**	**.01418**	**.00233**	F **8.2319**	**.00053**	**.00382**	**-.07838**
Stddev	.00187	.01684	.03604	.00006	.00002	.0023	.00022	.00089	.0195	.00025	.00020	.00208
%RSD	40.109	122.00	122.00	57.327	10.462	.04427	1.5218	38.441	.23643	46.748	5.1454	2.6561
#1	-.00334	.02571	.05502	-.00006	.00017	5.1624	.01434	.00296	8.2456	.00071	.00368	-.07985
#2	-.00598	.00190	.00406	-.00015	.00019	5.1656	.01403	.00169	8.2181	.00036	.00396	-.07690
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6940.1**	**76262.**	**6308.8**
Stddev	2.9	225.	12.3
%RSD	.04109	.29465	.19438
#1	6942.1	76103.	6317.4
#2	6938.1	76421.	6300.1

Sample Name: CCV-2372889 Acquired: 11/15/2013 5:06:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55356	W .55187	1.0557	.53283	.51453	.47031	-.00806	4.6858	.48866	.50813	.54073	.51041
Stddev	.00022	.00018	.0008	.00059	.00282	.00308	.00185	.0251	.00083	.00079	.00099	.00163
%RSD	.03961	.03204	.07509	.11041	.54886	.65560	22.919	.53486	.17044	.15624	.18350	.31977
#1	.55341	.55175	1.0563	.53241	.51653	.47249	-.00937	4.6681	.48807	.50757	.54003	.50926
#2	.55372	.55200	1.0552	.53324	.51254	.46813	-.00675	4.7036	.48925	.50869	.54144	.51157
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6103	49.683	1.0104	21.112	.50726	.52868	5.2114	.54888	1.0595	.97443	.00306	1.0312
Stddev	.0158	.134	.0004	.015	.00087	.00289	.0452	.00394	.0051	.00270	.00014	.0042
%RSD	.60522	.27003	.03433	.07222	.17180	.54591	.86814	.71724	.48215	.27680	4.4388	.40669
#1	2.5992	49.777	1.0106	21.101	.50664	.52663	5.2434	.54609	1.0559	.97252	.00296	1.0282
#2	2.6215	49.588	1.0102	21.123	.50788	.53072	5.1794	.55166	1.0631	.97633	.00316	1.0341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0819	5.0982	10.910	1.0489	.49868	.00492	.51569	1.0069	-.03407	.49237	.52891	.49153
Stddev	.0066	.0295	.063	.0070	.00274	.00161	.00079	.0062	.05399	.00068	.00127	.00693
%RSD	.61201	.57761	.57761	.67234	.54849	32.707	.15263	.61376	158.49	.13895	.23946	1.4099
#1	1.0773	5.0774	10.866	1.0439	.50061	.00378	.51514	1.0025	.00411	.49189	.52802	.48663
#2	1.0866	5.1190	10.955	1.0539	.49674	.00606	.51625	1.0112	-.07224	.49286	.52981	.49643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7020.8	77956.	6222.1
Stddev	11.4	52.	3.1
%RSD	.16252	.06733	.05044
#1	7012.7	77919.	6219.8
#2	7028.9	77993.	6224.3

Sample Name: CCB Acquired: 11/15/2013 5:08:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00133**	**.00072**	**-.00189**	**.00067**	**.00039**	**.00011**	**.00126**	**-.00111**	**-.00019**	**-.00024**	**.00002**
Stddev	.00015	.00007	.00095	.00099	.00016	.00005	.00037	.00218	.00002	.00010	.00002
%RSD	11.625	9.7829	50.148	146.95	41.040	45.467	29.009	195.45	9.2950	42.721	83.834
#1	-.00144	.00067	-.00256	.00137	.00050	.00014	.00152	-.00265	-.00018	-.00031	.00004
#2	-.00122	.00077	-.00122	-.00003	.00028	.00007	.00100	.00043	-.00021	-.00017	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00406**	**.10810**	**.00225**	**.00305**	**.00008**	**.00007**	**.09123**	**-.00007**	**-.00013**	**-.00001**
Stddev	.00041	.00424	.00715	.00290	.00155	.00003	.00016	.00355	.00035	.00063	.00046
%RSD	46.260	104.56	6.6132	128.80	50.984	40.079	219.83	3.8909	469.50	469.42	5647.1
#1	-.00117	.00706	.10304	.00020	.00195	.00006	-.00004	.08872	.00017	-.00058	.00032
#2	-.00059	.00106	.11315	.00431	.00415	.00011	.00019	.09374	-.00032	.00031	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	W **.00554**	**-.00042**	**.00742**	**.01587**	**-.00064**	**-.00005**	**.00171**	**-.00002**	**.00000**	**-.00193**
Stddev	.00047	.00185	.00193	.00415	.00889	.00036	.00010	.00247	.00004	.0010	.02588
%RSD	13.733	33.349	461.81	55.995	55.995	55.419	178.77	144.69	155.50	33157.	1342.4
#1	.00376	.00424	.00095	.01035	.02216	-.00039	.00001	.00346	-.00005	-.00069	-.02023
#2	.00309	.00685	-.00179	.00448	.00959	-.00089	-.00012	-.00004	.00000	.00069	.01637
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00372**	**-.00093**
Stddev	.00018	.00044	.00097
%RSD	194.47	11.875	104.24
#1	.00003	.00403	-.00024
#2	-.00022	.00341	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.6**	**78862.**	**6333.8**
Stddev	3.1	538.	127.4
%RSD	.04435	.68277	2.0114
#1	7015.4	78481.	6243.7
#2	7019.8	79243.	6423.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 5:10:45 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01003**	**.11447**	**.01444**	**.10629**	**.01078**	**.00092**	**.11856**	**.18898**	**.00479**	**.01050**	**.01099**	**.01438**	**.10550**
Stddev	.00093	.00001	.00050	.00029	.00038	.00006	.00047	.00189	.00016	.00015	.00011	.00062	.00145
%RSD	9.2827	.01087	3.4424	.27090	3.5053	6.7055	.39616	.99859	3.3646	1.4080	.99411	4.2771	1.3742
#1	.00937	.11446	.01409	.10650	.01104	.00088	.11823	.18764	.00490	.01061	.01107	.01481	.10652
#2	.01069	.11448	.01479	.10609	.01051	.00097	.11890	.19031	.00467	.01040	.01092	.01394	.10447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0250**	**.01043**	**.22055**	**.01040**	**.02044**	**1.0900**	**.04483**	**3.1148**	**.00838**	**.00295**	**.01016**	**.01826**	**.49871**
Stddev	.0334	.00223	.00064	.00011	.00053	.0187	.00062	.0204	.00169	.00181	.00009	.00004	.00543
%RSD	1.1040	21.402	.28997	1.1002	2.5755	1.7166	1.3878	.65345	20.148	61.186	.92968	.21361	1.0892
#1	3.0013	.01200	.22010	.01031	.02081	1.0767	.04527	3.1292	.00719	.00168	.01022	.01823	.49487
#2	3.0486	.00885	.22101	.01048	.02006	1.1032	.04439	3.1004	.00957	.00423	.01009	.01829	.50255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0672**	**.10796**	**.01000**	**.01642**	**.01042**	**.01658**	F **.09719**	**.00942**	**.02469**	**.01348**
Stddev	.0116	.00015	.00015	.00027	.00017	.00047	.01393	.00058	.00025	.00130
%RSD	1.0892	.13688	1.5136	1.6150	1.6063	2.8609	14.335	6.1110	1.0110	9.6559
#1	1.0590	.10785	.00989	.01624	.01053	.01692	.08734	.00901	.02451	.01256
#2	1.0755	.10806	.01010	.01661	.01030	.01625	.10704	.00983	.02486	.01440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7163.8**	**80670.**	**6338.0**
Stddev	12.7	276.	11.2
%RSD	.17687	.34182	.17600
#1	7172.7	80475.	6345.9
#2	7154.8	80865.	6330.1

Sample Name: mb 280-200787/1-a Acquired: 11/15/2013 5:13:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.00198**	**-.00309**	**.00029**	**.00018**	**.00005**	**.00226**	**.00794**	**-.00012**	**-.00008**
Stddev	.00061	.00005	.00159	.00043	.00003	.00002	.00210	.00267	.00011	.00008
%RSD	53.694	2.4559	51.353	145.67	17.541	41.180	93.149	33.675	90.968	96.057
#1	-.00071	.00201	-.00197	.00059	.00021	.00004	.00077	.00983	-.00004	-.00013
#2	-.00158	.00195	-.00421	-.00001	.00016	.00007	.00374	.00605	-.00020	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00068**	**.00786**	**.02743**	**.00279**	**.00451**	**.00018**	**-.00030**	**.05817**	**.00059**
Stddev	.00014	.00032	.00098	.06041	.00133	.00203	.00004	.00006	.00692	.00013
%RSD	65.437	47.342	12.441	220.20	47.695	45.107	20.708	20.918	11.901	21.969
#1	-.00030	-.00091	.00716	.07015	.00185	.00307	.00021	-.00025	.06307	.00068
#2	-.00011	-.00045	.00855	-.01528	.00374	.00594	.00016	-.00034	.05328	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00000**	**.00612**	**.00141**	**.00271**	**-.00328**	**-.00702**	**-.00076**	**-.00012**	**.00438**
Stddev	.00068	.0003	.00252	.00117	.00292	.01640	.03509	.00003	.00000	.00014
%RSD	310.43	7441.2	41.108	82.787	107.96	500.18	500.18	3.7951	1.4980	3.1078
#1	.00026	.00022	.00434	.00224	.00478	-.01487	-.03183	-.00074	-.00011	.00447
#2	-.00070	-.00023	.00790	.00059	.00064	.00832	.01780	-.00078	-.00012	.00428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00023**	**-.02838**	**.00039**	**.00463**	**-.00018**
Stddev	.00008	.00009	.01763	.00022	.00022	.00099
%RSD	28.860	41.232	62.119	56.048	4.8205	547.46
#1	.00021	.00029	-.04085	.00055	.00478	.00052
#2	.00032	.00016	-.01592	.00024	.00447	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7124.2**	**80741.**	**6369.2**
Stddev	10.2	607.	35.8
%RSD	.14283	.75156	.56272
#1	7131.4	80312.	6394.6
#2	7117.0	81170.	6343.9

Sample Name: lcs 280-200787/2-a Acquired: 11/15/2013 5:15:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05450**	**2.0979**	**1.0830**	**1.0999**	**2.0917**	**.04788**	**2.2113**	**46.192**	**.10003**	**.50246**
Stddev	.00048	.0155	.0087	.0060	.0037	.00000	.0129	.037	.00048	.00323
%RSD	.88718	.74030	.80701	.54098	.17654	.00012	.58463	.08090	.47888	.64236
#1	.05416	2.1088	1.0892	1.1041	2.0891	.04788	2.2204	46.218	.10037	.50474
#2	.05485	2.0869	1.0768	1.0957	2.0943	.04788	2.2021	46.165	.09969	.50018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21911**	**.25956**	**1.0412**	**50.917**	**1.0384**	**53.513**	**.50743**	**1.0730**	**53.208**	**.53892**
Stddev	.00135	.00018	.0053	.174	.0046	.122	.00111	.0072	.049	.00299
%RSD	.61435	.07043	.51102	.34109	.43863	.22798	.21854	.66851	.09171	.55485
#1	.22007	.25969	1.0374	50.794	1.0351	53.599	.50822	1.0781	53.174	.54104
#2	.21816	.25943	1.0449	51.040	1.0416	53.426	.50665	1.0680	53.243	.53681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.978**	**.47460**	**.00013**	**.52991**	**2.2339**	**10.313**	**22.069**	**2.1252**	**1.0131**	**1.0441**
Stddev	.058	.00153	.00107	.00469	.0151	.090	.193	.0188	.0016	.0009
%RSD	.53246	.32172	833.85	.88466	.67569	.87302	.87302	.88602	.16217	.08958
#1	11.020	.47568	.00089	.53323	2.2445	10.249	21.933	2.1385	1.0119	1.0448
#2	10.937	.47352	-.00063	.52660	2.2232	10.376	22.206	2.1119	1.0143	1.0435
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0579**	**1.9734**	F **3.4162**	**.50314**	**.52214**	**.48404**
Stddev	.0010	.0107	.0219	.00058	.00122	.00339
%RSD	.09965	.54157	.64177	.11498	.23410	.70129
#1	1.0587	1.9810	3.4317	.50273	.52300	.48164
#2	1.0572	1.9658	3.4007	.50355	.52128	.48644
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.0**	**77050.**	**6351.3**
Stddev	44.7	315.	7.1
%RSD	.64999	.40862	.11243
#1	6851.4	76827.	6346.2
#2	6914.7	77272.	6356.3

Sample Name: 280-48908-h-2-e Acquired: 11/15/2013 5:17:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.01921**	**-.00127**	**.05434**	**.06039**	**.00009**	**.00307**	**53.865**	**.00054**	**.00470**
Stddev	.00009	.00016	.00065	.00076	.00066	.00004	.00068	.024	.00023	.00027
%RSD	14.214	.81860	51.097	1.3947	1.0908	50.174	22.193	.04479	42.427	5.7488
#1	-.00059	.01910	-.00081	.05488	.05992	.00006	.00355	53.848	.00038	.00489
#2	-.00072	.01932	-.00173	.05381	.06085	.00012	.00259	53.882	.00070	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00083**	**.08034**	**1.8899**	**.00457**	**4.3500**	**.10210**	**.00411**	**16.845**	**.00750**
Stddev	.00007	.00025	.00260	.0153	.00132	.0228	.00009	.00044	.099	.00042
%RSD	70.725	29.845	3.2369	.80897	28.889	.52437	.09002	10.675	.58530	5.6147
#1	.00005	.00101	.08218	1.9007	.00364	4.3339	.10217	.00380	16.914	.00780
#2	.00016	.00066	.07850	1.8790	.00551	4.3661	.10204	.00442	16.775	.00720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00640**	**-.00051**	**3.1522**	**-.00132**	**.00132**	**8.8000**	**18.832**	**.00044**	**.23863**	**.00453**
Stddev	.00003	.00083	.0017	.00013	.00097	.0089	.019	.00027	.00044	.00068
%RSD	.42390	161.60	.05379	9.5209	73.652	.10141	.10141	60.201	.18334	14.913
#1	.00642	-.00110	3.1534	-.00141	.00201	8.8063	18.845	.00063	.23832	.00501
#2	.00638	.00007	3.1510	-.00123	.00063	8.7937	18.818	.00026	.23894	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00117**	W **-.05515**	**.00062**	**.01698**	**-.00040**
Stddev	.00008	.00072	.02572	.00033	.00034	.00040
%RSD	15.895	61.287	46.638	52.081	2.0029	100.37
#1	.00047	.00168	-.03697	.00085	.01674	-.00012
#2	.00059	.00067	-.07334	.00039	.01722	-.00069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.3**	**79359.**	**6451.4**
Stddev	25.6	182.	30.2
%RSD	.36352	.22909	.46879
#1	7015.2	79488.	6472.8
#2	7051.4	79231.	6430.0

Sample Name: 280-48908-h-2-eSD@5 Acquired: 11/15/2013 5:19:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.00863**	**-.00169**	**.01102**	**.01280**	**.00009**	**.00283**	**10.881**	**-.00006**	**.00081**
Stddev	.00018	.00027	.00143	.00048	.00008	.00002	.00053	.028	.00016	.00007
%RSD	12.223	3.1112	84.343	4.3816	.65908	24.486	18.653	.25783	288.03	8.7685
#1	-.00134	.00882	-.00270	.01068	.01274	.00008	.00245	10.861	.00006	.00076
#2	-.00159	.00844	-.00068	.01136	.01285	.00011	.00320	10.901	-.00017	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00067**	**.02359**	**.41250**	**.00135**	**.89269**	**.02099**	**.00059**	**3.1723**	**.00114**
Stddev	.00004	.00026	.00104	.02832	.00197	.00295	.00016	.00014	.0014	.00005
%RSD	70.273	39.470	4.4127	6.8654	146.68	.33071	.78309	23.484	.04348	3.9732
#1	.00008	-.00048	.02432	.39248	.00274	.89061	.02087	.00069	3.1714	.00117
#2	.00003	-.00086	.02285	.43253	-.00005	.89478	.02111	.00049	3.1733	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**-.00045**	**.61235**	**.00092**	**-.00140**	**1.7445**	**3.7331**	**.00045**	**.04789**	**.00097**
Stddev	.00006	.00022	.00109	.00270	.00070	.0267	.0571	.00015	.00017	.00050
%RSD	3.2491	49.176	.17794	292.68	50.187	1.5310	1.5310	32.517	.36402	51.516
#1	.00175	-.00061	.61158	-.00099	-.00190	1.7256	3.6927	.00056	.04777	.00062
#2	.00167	-.00030	.61312	.00284	-.00091	1.7633	3.7736	.00035	.04801	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00137**	**-.03919**	**.00021**	**.00885**	**-.00047**
Stddev	.00025	.00055	.01180	.00013	.00030	.00104
%RSD	410.23	40.432	30.109	61.680	3.4470	221.24
#1	-.00023	.00098	-.04753	.00031	.00906	.00027
#2	.00011	.00176	-.03085	.00012	.00863	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7063.0**	**79117.**	**6268.9**
Stddev	24.6	546.	13.9
%RSD	.34808	.68987	.22120
#1	7045.7	78731.	6278.7
#2	7080.4	79503.	6259.1

Sample Name: 280-48908-h-2-f ms Acquired: 11/15/2013 5:22:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05252**	**1.9780**	**1.0292**	**1.0999**	**2.0519**	**.04587**	F **2.1165**	**99.637**	**.09621**	**.47807**
Stddev	.00001	.0008	.0035	.0015	.0042	.00056	.0073	.281	.00022	.00036
%RSD	.01872	.04247	.33930	.14017	.20210	1.2144	.34541	.28184	.23362	.07520
#1	.05252	1.9774	1.0317	1.0988	2.0548	.04626	2.1217	99.835	.09637	.47833
#2	.05253	1.9786	1.0267	1.1010	2.0489	.04547	2.1114	99.438	.09605	.47782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20754**	**.24690**	**1.0459**	**50.830**	**1.0008**	**54.551**	**.58274**	**1.0206**	**68.327**	**.51260**
Stddev	.00017	.00049	.0150	.140	.0028	.202	.00067	.0006	1.117	.00033
%RSD	.08300	.19772	1.4300	.27614	.28072	.37042	.11416	.06118	1.6353	.06458
#1	.20742	.24656	1.0565	50.929	1.0028	54.694	.58321	1.0210	69.117	.51236
#2	.20766	.24725	1.0354	50.730	.99881	54.408	.58227	1.0201	67.537	.51283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.495**	**.44874**	**3.3097**	**.50290**	**2.0942**	**19.147**	**40.976**	**1.9830**	**1.2126**	**.99274**
Stddev	.019	.00265	.0138	.00398	.0066	.204	.437	.0015	.0006	.00871
%RSD	.17910	.59115	.41690	.79120	.31296	1.0676	1.0676	.07653	.04950	.87751
#1	10.508	.44687	3.3195	.50572	2.0895	19.292	41.285	1.9840	1.2130	.99890
#2	10.481	.45062	3.3000	.50009	2.0988	19.003	40.666	1.9819	1.2122	.98658
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**1.8372**	**3.2062**	**.47703**	**.50479**	**.46117**
Stddev	.0000	.0048	.0425	.00042	.00398	.00072
%RSD	.00192	.26151	1.3241	.08777	.78889	.15538
#1	1.0014	1.8406	3.1762	.47733	.50761	.46066
#2	1.0014	1.8338	3.2363	.47674	.50198	.46167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6906.3**	**76854.**	**6309.7**
Stddev	14.6	700.	17.4
%RSD	.21084	.91035	.27499
#1	6916.6	76360.	6322.0
#2	6896.0	77349.	6297.5

Sample Name: 280-48908-h-2-g msd Acquired: 11/15/2013 5:24:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05080**	**1.9389**	**1.0001**	**1.0735**	**2.0004**	**.04484**	F **2.0501**	**96.456**	**.09333**	**.46523**
Stddev	.00015	.0037	.0019	.0003	.0018	.00014	.0026	.110	.00041	.00024
%RSD	.28546	.19114	.18498	.02406	.09063	.32068	.12725	.11420	.43980	.05057
#1	.05090	1.9415	1.0014	1.0733	2.0017	.04474	2.0520	96.534	.09304	.46540
#2	.05070	1.9363	.99881	1.0737	1.9991	.04494	2.0483	96.378	.09362	.46507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20194**	**.24083**	**1.0122**	**49.702**	**.97733**	**53.235**	**.56716**	**.99470**	**66.671**	**.49974**
Stddev	.00053	.00019	.0025	.009	.00160	.190	.00165	.00175	.261	.00074
%RSD	.26057	.08075	.24372	.01875	.16420	.35673	.29083	.17558	.39077	.14819
#1	.20231	.24070	1.0104	49.709	.97846	53.101	.56599	.99594	66.855	.50026
#2	.20157	.24097	1.0139	49.696	.97619	53.370	.56833	.99347	66.486	.49921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.218**	**.43844**	**3.1737**	**.48911**	**2.0352**	**18.659**	**39.931**	**1.9366**	**1.1792**	**.96433**
Stddev	.000	.00042	.0025	.00064	.0037	.113	.243	.0001	.0005	.00232
%RSD	.00061	.09604	.07901	.13128	.18275	.60815	.60815	.00311	.04144	.24064
#1	10.218	.43874	3.1720	.48866	2.0379	18.740	40.103	1.9365	1.1795	.96597
#2	10.218	.43814	3.1755	.48956	2.0326	18.579	39.759	1.9366	1.1789	.96269
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97518**	**1.7924**	**3.1445**	**.46384**	**.49040**	**.45471**
Stddev	.00056	.0006	.0089	.00047	.00287	.00002
%RSD	.05788	.03512	.28477	.10103	.58515	.00395
#1	.97478	1.7929	3.1381	.46350	.48837	.45472
#2	.97558	1.7920	3.1508	.46417	.49242	.45470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6858.6**	**76872.**	**6402.7**
Stddev	1.4	329.	13.6
%RSD	.02104	.42839	.21256
#1	6859.7	77105.	6393.1
#2	6857.6	76639.	6412.4

Sample Name: 280-48908-h-2-ePDS Acquired: 11/15/2013 5:26:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04730**	**1.0913**	**.21615**	**.15994**	**.16261**	**.04815**	**-.00083**	**70.704**	**.05158**	**.05486**
Stddev	.00002	.0022	.00140	.00010	.00122	.00014	.00080	.452	.00002	.00010
%RSD	.05230	.19657	.64731	.05948	.75230	.28306	96.589	.63875	.03515	.18060
#1	.04732	1.0898	.21714	.16001	.16174	.04824	-.00139	71.023	.05159	.05479
#2	.04728	1.0929	.21516	.15987	.16347	.04805	-.00026	70.385	.05156	.05493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05523**	**.05234**	**1.0985**	**22.144**	**.10823**	**25.081**	**.14935**	**.05491**	**37.962**	**.06103**
Stddev	.00003	.00003	.0012	.078	.00031	.139	.00028	.00016	.191	.00044
%RSD	.04720	.06218	.10570	.35189	.28580	.55260	.18760	.28239	.50214	.71349
#1	.05525	.05232	1.0977	22.199	.10845	24.983	.14915	.05502	37.827	.06134
#2	.05521	.05237	1.0994	22.089	.10801	25.179	.14955	.05480	38.097	.06072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2287**	**.09548**	**3.1037**	**.10095**	**.21816**	**13.680**	**29.275**	**.10170**	**.28250**	**.20955**
Stddev	.0020	.00021	.0075	.00007	.00062	.019	.042	.00001	.00080	.00138
%RSD	.09064	.21794	.24032	.07164	.28569	.14229	.14229	.00619	.28266	.65879
#1	2.2301	.09533	3.1090	.10100	.21772	13.666	29.245	.10170	.28306	.20858
#2	2.2273	.09563	3.0984	.10090	.21860	13.694	29.304	.10169	.28193	.21053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**.20096**	**.79609**	**.05063**	**.22680**	**.04309**
Stddev	.00000	.00028	.04144	.00143	.00163	.00104
%RSD	.00092	.13858	5.2052	2.8232	.71876	2.4168
#1	.05122	.20077	.82539	.04962	.22565	.04235
#2	.05122	.20116	.76679	.05164	.22796	.04383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.4**	**78167.**	**6387.9**
Stddev	10.4	188.	47.2
%RSD	.14894	.24085	.73923
#1	6982.1	78300.	6354.5
#2	6996.8	78034.	6421.2

Sample Name: 280-49096-g-3-b Acquired: 11/15/2013 5:28:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.46625**	**-.00237**	**.00922**	**.03737**	**.00019**	**.00194**	**.47035**	**-.00005**	**.00123**
Stddev	.00065	.00227	.00274	.00037	.00052	.00001	.00134	.01112	.00006	.00019
%RSD	42.378	.48734	115.67	4.0289	1.3899	6.2758	69.074	2.3644	117.54	15.502
#1	-.00200	.46786	-.00043	.00896	.03774	.00020	.00289	.46249	-.00001	.00109
#2	-.00108	.46465	-.00430	.00949	.03701	.00018	.00099	.47822	-.00009	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00098**	**.74099**	**.94935**	**.00301**	**1.0833**	**.00664**	**.00014**	**18.667**	**.00206**
Stddev	.00004	.00026	.00610	.04388	.00022	.0048	.00002	.00026	.077	.00010
%RSD	3.3431	26.647	.82304	4.6220	7.4266	.44456	.23048	193.87	.41107	4.9925
#1	.00123	.00080	.74531	.98038	.00317	1.0799	.00665	.00032	18.721	.00213
#2	.00129	.00117	.73668	.91833	.00285	1.0867	.00663	-.00005	18.613	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01210**	**-.00043**	**.79822**	**-.00044**	**-.00053**	**6.0349**	**12.915**	**-.00046**	**.00547**	**.00339**
Stddev	.00035	.00051	.00505	.00044	.00272	.0062	.013	.00040	.00013	.00164
%RSD	2.8688	118.48	.63259	99.702	515.89	.10238	.10238	87.000	2.3658	48.459
#1	.01234	-.00007	.80179	-.00013	.00140	6.0305	12.905	-.00075	.00556	.00223
#2	.01185	-.00079	.79465	-.00075	-.00245	6.0392	12.924	-.00018	.00538	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**.00028**	W **-.05118**	**.00161**	**.00861**	**.00051**
Stddev	.00081	.00022	.04545	.00004	.00026	.00003
%RSD	12.352	79.842	88.808	2.5818	2.9866	5.5001
#1	.00712	.00012	-.01904	.00159	.00879	.00053
#2	.00598	.00044	-.08332	.00164	.00842	.00049
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7164.5**	**80637.**	**6455.7**
Stddev	6.4	531.	9.2
%RSD	.08901	.65904	.14302
#1	7169.1	81013.	6449.1
#2	7160.0	80261.	6462.2

Sample Name: CCVH-2372891 Acquired: 11/15/2013 5:30:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00698**	**48.233**	**-.00077**	**.00251**	**.00059**	**-.00004**	W **1.0684**	**.01583**	**.00086**	**-.00094**	**.00025**	**-.00721**
Stddev	.00002	.001	.00191	.00072	.00014	.00008	.0035	.00147	.00017	.00010	.00003	.00004
%RSD	.29017	.00122	248.87	28.511	24.323	179.05	.33159	9.2637	20.045	10.701	10.789	.52246
#1	-.00697	48.233	.00058	.00302	.00070	-.00010	1.0709	.01687	.00074	-.00101	.00026	-.00718
#2	-.00699	48.232	-.00212	.00201	.00049	.00001	1.0659	.01480	.00098	-.00087	.00023	-.00723
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.248**	**.10040**	**.00344**	**.05578**	**-.00011**	**.00053**	**259.28**	**-.00102**	**.00394**	**-.00249**	**5.0757**	**.00189**
Stddev	.105	.03593	.00013	.00301	.00007	.00013	.42	.00032	.00117	.00097	.0040	.00116
%RSD	.20809	35.782	3.8255	5.3881	70.170	24.025	.16018	31.717	29.658	38.844	.07789	61.377
#1	50.174	.07500	.00335	.05366	-.00016	.00044	258.99	-.00125	.00477	-.00318	5.0729	.00107
#2	50.322	.12581	.00354	.05791	-.00005	.00061	259.57	-.00079	.00311	-.00181	5.0785	.00272
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00566**	**.01333**	**.02854**	**-.00033**	**-.00008**	**5.1318**	**.01312**	**.00248**	F **8.1950**	**.00086**	**.00299**	**-.07638**
Stddev	.00064	.01158	.02478	.00009	.00001	.0143	.00002	.00082	.0164	.00073	.00003	.00055
%RSD	11.248	86.856	86.856	28.348	12.409	.27905	.16767	33.083	.20020	84.953	1.1385	.72136
#1	-.00611	.02152	.04606	-.00040	-.00009	5.1217	.01314	.00306	8.1834	.00138	.00297	-.07600
#2	-.00521	.00514	.01101	-.00026	-.00007	5.1420	.01311	.00190	8.2066	.00034	.00301	-.07677
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.8**	**76683.**	**6369.2**
Stddev	6.7	100.	17.2
%RSD	.09602	.13050	.27063
#1	6926.1	76753.	6381.4
#2	6935.5	76612.	6357.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 5:33:21 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54781**	W **.55030**	**1.0476**	**.53153**	**.51224**	**.46897**	**-.00985**	**4.6707**	**.49131**	**.50883**	**.53769**	**.51096**
Stddev	.00172	.00079	.0024	.00167	.00150	.00143	.00194	.0111	.00019	.00095	.00066	.00178
%RSD	.31318	.14282	.22753	.31409	.29254	.30439	19.727	.23697	.03771	.18598	.12235	.34841
#1	.54902	.54975	1.0493	.53035	.51118	.46796	-.00848	4.6629	.49118	.50816	.53723	.51221
#2	.54660	.55086	1.0459	.53271	.51330	.46998	-.01123	4.6785	.49144	.50950	.53816	.50970
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5663**	**49.655**	**1.0155**	**20.967**	**.50623**	**.52531**	**5.2211**	**.54342**	**1.0492**	**.97347**	**-.00041**	**1.0231**
Stddev	.0074	.354	.0047	.041	.00070	.00268	.0057	.00028	.0024	.00040	.00008	.0016
%RSD	.28888	.71211	.46523	.19421	.13734	.51061	.10998	.05110	.23388	.04087	18.999	.15573
#1	2.5610	49.404	1.0121	20.996	.50672	.52341	5.2251	.54322	1.0474	.97319	-.00036	1.0243
#2	2.5715	49.905	1.0188	20.939	.50573	.52721	5.2170	.54362	1.0509	.97375	-.00047	1.0220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0666**	**5.0158**	**10.734**	**1.0419**	**.49771**	**.00548**	**.51388**	**1.0037**	**-.02135**	**.49285**	**.52369**	**.48618**
Stddev	.0012	.0514	.110	.0014	.00233	.00058	.00136	.0015	.03063	.00177	.00111	.00249
%RSD	.11335	1.0244	1.0244	.13514	.46840	10.582	.26484	.15324	143.42	.35889	.21212	.51158
#1	1.0675	4.9794	10.656	1.0409	.49606	.00507	.51484	1.0026	.00030	.49160	.52447	.48443
#2	1.0657	5.0521	10.811	1.0429	.49936	.00588	.51292	1.0048	-.04301	.49410	.52290	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7007.9**	**78371.**	**6295.2**
Stddev	7.5	10.	82.3
%RSD	.10715	.01273	1.3070
#1	7013.2	78364.	6353.4
#2	7002.5	78378.	6237.0

Sample Name: CCB Acquired: 11/15/2013 5:35:28 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.00004**	**-.00164**	**.00202**	**.00044**	**.00004**	**.00264**	**-.00295**	**.00004**	**.00001**	**-.00002**	**-.00052**
Stddev	.00003	.00020	.00109	.00003	.00001	.00000	.00017	.00066	.00012	.00022	.00002	.00071
%RSD	3.6640	496.85	66.568	1.6883	3.3224	6.7284	6.3806	22.394	266.18	2105.7	139.14	138.25
#1	-.00081	-.00019	-.00087	.00200	.00043	.00004	.00276	-.00248	.00013	.00017	.00000	-.00001
#2	-.00085	.00010	-.00241	.00204	.00045	.00004	.00252	-.00341	-.00004	-.00015	-.00003	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.08281**	**.00235**	**.00137**	**.00004**	**.00018**	W **.09901**	**-.00024**	**.00003**	**.00000**	**.00402**	W **.00571**
Stddev	.00218	.00574	.00219	.00106	.00005	.00001	.00084	.00012	.00071	.00187	.00317	.00069
%RSD	570.76	6.9294	93.227	77.296	137.15	7.9412	.85329	51.614	2324.5	64249.	78.852	12.030
#1	.00193	.08687	.00390	.00062	.00007	.00019	.09961	-.00033	-.00047	.00133	.00178	.00523
#2	-.00116	.07875	.00080	.00212	.00000	.00017	.09841	-.00015	.00053	-.00132	.00626	.00620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00354**	**.01213**	**.02595**	**-.00006**	**-.00010**	**.00327**	**.00023**	**-.00020**	**-.02866**	**.00030**	**.00334**	**-.00174**
Stddev	.00154	.01538	.03291	.00066	.00014	.00169	.00013	.00046	.02685	.00003	.00063	.00037
%RSD	43.447	126.80	126.80	1018.0	137.47	51.741	57.397	231.44	93.683	8.7185	18.930	21.494
#1	.00463	.00125	.00268	.00040	-.00020	.00207	.00032	.00013	-.00967	.00032	.00290	-.00148
#2	.00245	.02300	.04922	-.00053	.00000	.00446	.00014	-.00052	-.04764	.00028	.00379	-.00201
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.2**	**79391.**	**6193.3**
Stddev	.8	184.	22.9
%RSD	.01092	.23236	.36963
#1	7010.7	79522.	6177.1
#2	7009.6	79261.	6209.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 5:37:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01032**	**.11413**	**.01399**	**.10652**	**.01044**	**.00100**	**.11999**	**.19036**	**.00484**	**.01028**	**.01087**	**.01464**	**.10286**
Stddev	.00065	.00036	.00161	.00058	.00025	.00002	.00077	.00219	.00013	.00007	.00004	.00042	.00160
%RSD	6.2588	.31363	11.522	.54017	2.4200	1.7445	.64404	1.1495	2.6380	.65272	.33839	2.8476	1.5601
#1	.01078	.11387	.01285	.10692	.01062	.00102	.11945	.18882	.00475	.01023	.01084	.01493	.10173
#2	.00987	.11438	.01513	.10611	.01026	.00099	.12054	.19191	.00493	.01033	.01089	.01434	.10400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0290**	**.01138**	**.22005**	**.01032**	**.02058**	**1.1183**	**.04484**	**3.1129**	**.00920**	**.00135**	**.00949**	**.01492**	**.48948**
Stddev	.0145	.00107	.00215	.00001	.00024	.0037	.00029	.0057	.00042	.00075	.00055	.00118	.00362
%RSD	.47995	9.4333	.97550	.06379	1.1462	.32886	.64644	.18257	4.5455	55.805	5.7432	7.8896	.73977
#1	3.0187	.01214	.22156	.01032	.02075	1.1157	.04504	3.1169	.00890	.00188	.00911	.01575	.49204
#2	3.0393	.01062	.21853	.01031	.02042	1.1209	.04463	3.1089	.00949	.00082	.00988	.01409	.48692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0475**	**.10778**	**.00984**	**.01587**	**.00977**	**.01686**	F **.09011**	**.00984**	**.02587**	**.01387**
Stddev	.0077	.00029	.00010	.00072	.00014	.00039	.01223	.00033	.00037	.00017
%RSD	.73977	.26498	1.0167	4.5505	1.4653	2.3239	13.568	3.3469	1.4188	1.2450
#1	1.0530	.10799	.00991	.01638	.00967	.01659	.09876	.00961	.02613	.01375
#2	1.0420	.10758	.00977	.01536	.00987	.01714	.08147	.01007	.02561	.01399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7184.5**	**81490.**	**6409.6**
Stddev	17.4	85.	48.6
%RSD	.24275	.10393	.75759
#1	7196.8	81550.	6375.3
#2	7172.2	81431.	6444.0

Sample Name: mb 280-200652/1-a Acquired: 11/15/2013 5:40:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	W **.05833**	**-.00321**	**.02245**	**.00117**	**-.00001**	**.00265**	F **.63495**	**.00007**	**-.00010**
Stddev	.00039	.00026	.00063	.00042	.00029	.00006	.00026	.00709	.00005	.00021
%RSD	49.890	.43907	19.468	1.8881	24.680	914.23	9.7350	1.1166	72.555	206.89
#1	-.00050	.05851	-.00365	.02275	.00097	.00004	.00247	.63996	.00003	-.00025
#2	-.00104	.05815	-.00277	.02215	.00138	-.00005	.00283	.62993	.00011	.00005
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.05000						.20000		
Low Limit		-.05000						-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00040**	**.04751**	**.08022**	**.00112**	**.07554**	**.00140**	**-.00011**	**.15049**	**.00009**
Stddev	.00019	.00017	.00057	.02595	.00004	.00207	.00001	.00002	.01617	.00007
%RSD	52.968	42.368	1.1946	32.356	3.5862	2.7429	.87879	15.150	10.742	69.972
#1	.00022	-.00028	.04791	.06186	.00110	.07701	.00139	-.00010	.16192	.00014
#2	.00048	-.00052	.04711	.09857	.00115	.07407	.00141	-.00012	.13906	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**-.00045**	**.01342**	**-.00134**	**-.00064**	**.07006**	**.14993**	**.00468**	**.00145**	**.00467**
Stddev	.00019	.00002	.00200	.00137	.00322	.00469	.01003	.00003	.00009	.00077
%RSD	3.9778	3.7328	14.863	102.54	502.57	6.6886	6.6886	.63849	6.3549	16.546
#1	.00467	-.00046	.01483	-.00231	-.00291	.07337	.15702	.00470	.00152	.00412
#2	.00494	-.00044	.01201	-.00037	.00163	.06675	.14284	.00466	.00139	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**-.00061**	F **-.06132**	**.00051**	**.00469**	**-.00075**
Stddev	.00040	.00048	.02529	.00013	.00022	.00049
%RSD	42.030	79.767	41.249	26.200	4.7052	66.169
#1	.00067	-.00026	-.07921	.00041	.00453	-.00040
#2	.00124	-.00095	-.04344	.00060	.00484	-.00109
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.06000			
Low Limit			-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7091.8**	**80403.**	**6320.5**
Stddev	22.3	162.	7.2
%RSD	.31427	.20149	.11388
#1	7107.5	80288.	6315.4
#2	7076.0	80517.	6325.6

Sample Name: lcs 280-200652/2-a Acquired: 11/15/2013 5:42:26 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05059**	**2.1106**	**1.0161**	F **1.1301**	**1.9948**	**.04541**	**2.0819**	**45.038**	**.09488**	**.48372**
Stddev	.00031	.0059	.0014	.0005	.0005	.00013	.0036	.132	.00005	.00083
%RSD	.61459	.27705	.13824	.04261	.02324	.29606	.17229	.29372	.05286	.17259
#1	.05037	2.1148	1.0171	1.1304	1.9951	.04532	2.0845	44.945	.09491	.48431
#2	.05081	2.1065	1.0151	1.1297	1.9944	.04551	2.0794	45.132	.09484	.48313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21155**	**.24656**	**1.0462**	**48.632**	**.99003**	**50.289**	**.48776**	**1.0360**	**50.976**	**.51592**
Stddev	.00043	.00069	.0022	.129	.00179	.198	.00110	.0005	.164	.00086
%RSD	.20275	.27805	.21107	.26606	.18123	.39322	.22611	.05169	.32165	.16727
#1	.21186	.24608	1.0478	48.540	.98876	50.149	.48698	1.0363	51.092	.51653
#2	.21125	.24705	1.0446	48.723	.99130	50.429	.48854	1.0356	50.860	.51531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.332**	**.45660**	**.00634**	**.48269**	**2.0435**	**4.9156**	**10.519**	**2.0139**	**.96793**	**1.0019**
Stddev	.007	.00079	.00107	.00328	.0088	.0281	.060	.0073	.00064	.0019
%RSD	.06647	.17222	16.797	.67874	.42959	.57136	.57136	.36276	.06607	.19284
#1	10.337	.45716	.00710	.48500	2.0497	4.8958	10.477	2.0191	.96839	1.0006
#2	10.327	.45605	.00559	.48037	2.0372	4.9355	10.562	2.0087	.96748	1.0033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0165**	**1.8660**	F **3.2508**	**.48453**	**.49692**	**.45899**
Stddev	.0011	.0080	.0426	.00259	.00226	.00226
%RSD	.10990	.42879	1.3116	.53537	.45549	.49265
#1	1.0157	1.8717	3.2207	.48270	.49532	.46059
#2	1.0173	1.8603	3.2810	.48636	.49852	.45739
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6779.1**	**76225.**	**6231.7**
Stddev	10.2	505.	40.3
%RSD	.15024	.66207	.64690
#1	6771.9	76582.	6203.2
#2	6786.3	75868.	6260.2

Sample Name: 280-48953-a-1-c Acquired: 11/15/2013 5:44:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**214.35**	**.10614**	**.43717**	**3.3031**	**.00998**	W **-.06841**	RF **1378.7**	**.00890**	**.07068**
Stddev	.00053	.58	.00242	.00160	.0087	.00002	.00193	1.4	.00006	.00009
%RSD	35.073	.26930	2.2814	.36676	.26354	.17665	2.8217	.10107	.71386	.13420
#1	-.00114	214.76	.10443	.43831	3.3093	.01000	-.06704	1377.8	.00885	.07075
#2	-.00190	213.95	.10785	.43604	3.2970	.00997	-.06977	1379.7	.00894	.07061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22121**	**.19754**	**185.63**	**77.663**	**.74217**	**268.56**	**5.8210**	**.02686**	**16.628**	**.20961**
Stddev	.00006	.00136	.16	.307	.00421	3.45	.0239	.00030	.198	.00006
%RSD	.02669	.68673	.08813	.39518	.56762	1.2836	.41061	1.1325	1.1896	.02889
#1	.22125	.19850	185.75	77.880	.74515	266.12	5.8379	.02665	16.768	.20966
#2	.22117	.19658	185.52	77.446	.73919	271.00	5.8041	.02708	16.488	.20957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.642**	**.14456**	**4.5682**	**.01485**	**.01554**	**2.3598**	**5.0499**	**.01639**	**4.4262**	**.09491**
Stddev	.016	.00164	.0036	.00079	.00220	.0452	.0968	.00051	.0005	.00039
%RSD	.14637	1.1333	.07887	5.3384	14.178	1.9163	1.9163	3.0827	.01105	.41186
#1	10.653	.14340	4.5707	.01429	.01398	2.3278	4.9815	.01674	4.4258	.09519
#2	10.631	.14571	4.5656	.01541	.01710	2.3917	5.1183	.01603	4.4265	.09464
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7492**	**-.00108**	F **-.44709**	**.29082**	**.72867**	**.30957**
Stddev	.0069	.00048	.02333	.00025	.00287	.00204
%RSD	.18500	44.730	5.2188	.08672	.39446	.65932
#1	3.7541	-.00074	-.46359	.29065	.73070	.31101
#2	3.7443	-.00142	-.43059	.29100	.72664	.30812
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7397.0**	**81198.**	**7477.9**
Stddev	11.2	259.	31.2
%RSD	.15148	.31945	.41752
#1	7404.9	81381.	7455.8
#2	7389.0	81014.	7500.0

Sample Name: 280-48953-a-2-c Acquired: 11/15/2013 5:47:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**106.33**	**.09599**	**.18288**	**1.8915**	**.00459**	**-.02585**	RF **1908.0**	**.00646**	**.03715**
Stddev	.00011	.22	.00235	.00168	.0036	.00005	.00161	28.9	.00011	.00017
%RSD	6.7448	.20975	2.4480	.92047	.19226	1.1621	6.2259	1.5156	1.7414	.44490
#1	-.00162	106.49	.09432	.18407	1.8941	.00463	-.02699	1928.4	.00654	.03703
#2	-.00178	106.17	.09765	.18169	1.8889	.00455	-.02471	1887.5	.00638	.03726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17831**	**.10929**	**104.76**	**34.082**	**.39690**	**131.11**	**2.3245**	**.11465**	**6.8346**	**.19309**
Stddev	.00006	.00066	.25	.116	.00037	.30	.0033	.00038	.0205	.00108
%RSD	.03265	.60745	.24203	.33981	.09295	.22725	.14278	.33474	.30018	.55813
#1	.17835	.10882	104.94	34.164	.39664	131.32	2.3269	.11492	6.8200	.19385
#2	.17827	.10976	104.58	34.001	.39716	130.90	2.3222	.11438	6.8491	.19233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.6987**	**.05421**	**3.6443**	**.02031**	**.00818**	**1.3617**	**2.9141**	**.00853**	W **5.4767**	**.04342**
Stddev	.0222	.00034	.0264	.00305	.00692	.0350	.0749	.00006	.1133	.00461
%RSD	.38944	.63388	.72469	15.007	84.566	2.5703	2.5703	.73574	2.0686	10.626
#1	5.7144	.05397	3.6629	.02246	.01307	1.3865	2.9671	.00857	5.5568	.04016
#2	5.6830	.05446	3.6256	.01815	.00329	1.3370	2.8612	.00848	5.3965	.04668
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8811**	**.00016**	F **-.27953**	**.20139**	**.42694**	**.14458**
Stddev	.0029	.00068	.01396	.00022	.00258	.00068
%RSD	.15267	436.64	4.9945	.10822	.60403	.47258
#1	1.8831	.00064	-.28940	.20154	.42877	.14506
#2	1.8790	-.00032	-.26966	.20123	.42512	.14410
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.1**	**75452.**	**6866.3**
Stddev	19.0	89.	27.0
%RSD	.27671	.11762	.39319
#1	6896.6	75389.	6847.3
#2	6869.6	75515.	6885.4

Sample Name: 280-48953-a-2-cSD@5 Acquired: 11/15/2013 5:50:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**22.415**	**.01959**	**.04231**	**.40696**	**.00096**	**-.00547**	**451.47**	**.00161**	**.00861**
Stddev	.00043	.644	.00173	.00045	.00854	.00005	.00007	1.33	.00024	.00004
%RSD	32.780	2.8742	8.8396	1.0563	2.0995	5.3234	1.2317	.29476	15.178	.42642
#1	-.00100	21.960	.02081	.04199	.40092	.00092	-.00551	450.53	.00178	.00858
#2	-.00161	22.871	.01836	.04263	.41300	.00100	-.00542	452.42	.00144	.00864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03974**	**.02294**	**23.596**	**7.0824**	**.08192**	**29.337**	**.51650**	**.02554**	**1.5818**	**.04450**
Stddev	.00006	.00029	.512	.0873	.00106	.141	.00180	.00019	.0349	.00024
%RSD	.15846	1.2790	2.1708	1.2324	1.2996	.48188	.34881	.75675	2.2085	.52911
#1	.03970	.02315	23.233	7.0207	.08116	29.237	.51522	.02540	1.5571	.04434
#2	.03979	.02273	23.958	7.1442	.08267	29.437	.51777	.02567	1.6065	.04467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1957**	**.01283**	**.72428**	**.00331**	**.00149**	**.28227**	**.60406**	**.00327**	**1.1848**	**.01067**
Stddev	.0008	.00163	.00062	.00046	.00170	.00937	.02004	.00072	.0259	.00241
%RSD	.06297	12.713	.08543	14.006	113.92	3.3179	3.3179	21.952	2.1851	22.553
#1	1.1951	.01168	.72384	.00298	.00029	.27565	.58989	.00377	1.1665	.01237
#2	1.1962	.01398	.72471	.00363	.00269	.28889	.61823	.00276	1.2031	.00897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40582**	**.00110**	W **-.09485**	**.04301**	**.10343**	**.03123**
Stddev	.00049	.00102	.02770	.00013	.00144	.00249
%RSD	.12160	93.367	29.202	.31035	1.3956	7.9620
#1	.40617	.00182	-.11443	.04291	.10241	.02947
#2	.40547	.00037	-.07526	.04310	.10445	.03299
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6764.6**	**74890.**	**6326.5**
Stddev	20.4	429.	87.5
%RSD	.30084	.57313	1.3832
#1	6779.0	75193.	6388.4
#2	6750.2	74586.	6264.6

Sample Name: 280-48953-b-2-e ms Acquired: 11/15/2013 5:52:59 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03376	140.77	.74816	.83003	3.1901	.03244	F 1.2392	RF 1895.7	.06631	.30634
Stddev	.00041	.35	.00039	.00258	.0103	.00028	.0071	25.4	.00006	.00070
%RSD	1.2134	.25171	.05227	.31106	.32324	.85571	.57634	1.3374	.09677	.22824
#1	.03347	140.52	.74844	.82821	3.1828	.03225	1.2341	1877.8	.06626	.30684
#2	.03405	141.02	.74789	.83186	3.1974	.03264	1.2442	1913.6	.06635	.30585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37445	.27778	116.06	74.025	1.0797	163.63	2.6749	.77066	40.586	.49412
Stddev	.00002	.00094	.62	.348	.0049	.58	.0031	.00024	.209	.00077
%RSD	.00501	.33775	.53346	.46973	.45213	.35406	.11746	.03149	.51574	.15590
#1	.37447	.27844	115.62	73.779	1.0763	164.04	2.6727	.77084	40.734	.49357
#2	.37444	.27712	116.50	74.270	1.0832	163.22	2.6771	.77049	40.438	.49466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 12.193	.30445	3.6319	.11335	1.2954	2.9959	6.4112	1.0687	W 5.9851	.65987
Stddev	.037	.00070	.0221	.00210	.0067	.0446	.0954	.0058	.1467	.00199
%RSD	.30024	.23023	.60744	1.8500	.51435	1.4888	1.4888	.53971	2.4517	.30115
#1	12.167	.30494	3.6163	.11483	1.3001	2.9644	6.3437	1.0727	6.0888	.66128
#2	12.219	.30395	3.6475	.11186	1.2907	3.0274	6.4787	1.0646	5.8813	.65847
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.3784	.94334	1.7228	.55665	.73699	.44439
Stddev	.0035	.00640	.0006	.00095	.00186	.00360
%RSD	.10331	.67816	.03243	.17005	.25257	.81005
#1	3.3809	.94787	1.7224	.55732	.73831	.44184
#2	3.3759	.93882	1.7232	.55598	.73568	.44693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6821.1	74269.	6731.9
Stddev	31.3	61.	39.4
%RSD	.45865	.08157	.58575
#1	6799.0	74311.	6704.0
#2	6843.2	74226.	6759.7

Sample Name: 280-48953-b-2-f msd Acquired: 11/15/2013 5:56:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03906	163.44	.88520	.95571	3.8149	.03753	F 1.4554	RF 2218.3	.07755	.35033
Stddev	.00003	.29	.00122	.00105	.0036	.00013	.0063	6.0	.00008	.00128
%RSD	.08404	.17788	.13737	.10988	.09436	.33504	.43438	.26949	.10531	.36581
#1	.03909	163.65	.88606	.95645	3.8124	.03762	1.4599	2214.0	.07749	.35124
#2	.03904	163.24	.88434	.95496	3.8175	.03744	1.4509	2222.5	.07761	.34943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44787	.31742	134.08	87.293	1.2689	191.74	3.1038	.84806	47.253	.56496
Stddev	.00050	.00214	.03	.101	.0002	1.44	.0211	.00217	.108	.00043
%RSD	.11076	.67562	.02234	.11519	.01919	.75321	.67885	.25559	.22895	.07543
#1	.44823	.31893	134.10	87.364	1.2687	190.72	3.0889	.84960	47.176	.56526
#2	.44752	.31590	134.06	87.222	1.2691	192.76	3.1187	.84653	47.329	.56466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 14.212	.34640	4.3990	.14790	1.5024	3.4191	7.3170	1.1598	W 7.2302	.76173
Stddev	.036	.00217	.0047	.00057	.0038	.0198	.0424	.0019	.0121	.00403
%RSD	.25194	.62738	.10597	.38221	.25548	.57954	.57954	.16783	.16772	.52924
#1	14.238	.34793	4.3957	.14830	1.4997	3.4331	7.3469	1.1611	7.2216	.76458
#2	14.187	.34486	4.4023	.14750	1.5051	3.4051	7.2870	1.1584	7.2388	.75888
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.0217	1.0676	2.0075	.64373	.83773	.52106
Stddev	.0034	.0085	.0234	.00150	.00013	.00103
%RSD	.08465	.79669	1.1675	.23362	.01504	.19772
#1	4.0241	1.0736	2.0241	.64479	.83782	.52178
#2	4.0193	1.0616	1.9909	.64267	.83764	.52033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6804.6	74941.	6901.9
Stddev	27.2	49.	29.9
%RSD	.39958	.06564	.43393
#1	6785.4	74906.	6880.8
#2	6823.8	74976.	6923.1

Sample Name: 280-48953-a-2-cPDS Acquired: 11/15/2013 5:59:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04291**	**105.33**	**.28695**	**.27177**	**1.9668**	**.04412**	**-.02219**	RF **1902.0**	**.05084**	**.07598**
Stddev	.00070	.16	.00099	.00054	.0029	.00023	.00053	5.2	.00004	.00022
%RSD	1.6351	.14842	.34632	.19771	.14883	.51455	2.3662	.27491	.08024	.28583
#1	.04341	105.44	.28765	.27215	1.9647	.04428	-.02182	1898.3	.05082	.07613
#2	.04241	105.22	.28625	.27139	1.9689	.04396	-.02256	1905.7	.05087	.07582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21976**	**.15447**	**103.43**	**52.593**	**.48712**	**144.80**	**2.3279**	**.15734**	**25.763**	**.23079**
Stddev	.00048	.00060	.29	.046	.00024	1.40	.0029	.00061	.083	.00064
%RSD	.21916	.38629	.28246	.08709	.04965	.97013	.12296	.38468	.32307	.27729
#1	.21942	.15489	103.23	52.626	.48694	145.79	2.3299	.15777	25.822	.23034
#2	.22010	.15405	103.64	52.561	.48729	143.81	2.3259	.15691	25.704	.23124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5256**	**.12384**	**3.6139**	**.10713**	**.19766**	**5.7873**	**12.385**	**.09082**	W **5.4024**	**.21876**
Stddev	.0576	.00063	.0009	.00346	.00174	.0086	.018	.00141	.0201	.00015
%RSD	.76520	.51050	.02581	3.2339	.88201	.14942	.14942	1.5515	.37247	.06694
#1	7.4849	.12429	3.6133	.10468	.19889	5.7812	12.372	.08983	5.3881	.21866
#2	7.5663	.12339	3.6146	.10958	.19642	5.7934	12.398	.09182	5.4166	.21886
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8936**	**.13677**	**.55604**	**.24089**	**.57900**	**.18246**
Stddev	.0052	.00004	.02567	.00040	.00100	.00158
%RSD	.27563	.02734	4.6161	.16454	.17342	.86377
#1	1.8973	.13675	.57419	.24117	.57971	.18135
#2	1.8899	.13680	.53789	.24061	.57829	.18357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6853.1**	**75604.**	**6827.3**
Stddev	21.4	134.	71.3
%RSD	.31261	.17718	1.0441
#1	6868.3	75509.	6877.7
#2	6838.0	75698.	6776.9

Sample Name: 280-48953-a-3-c Acquired: 11/15/2013 6:02:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**184.38**	**.08956**	**.43491**	**3.1631**	**.00807**	W **-.07081**	RF **1040.3**	**.01080**	**.05542**
Stddev	.00040	.64	.00361	.00159	.0070	.00006	.00208	5.0	.00019	.00001
%RSD	34.701	.34826	4.0285	.36475	.22080	.71146	2.9316	.47944	1.7915	.01026
#1	-.00087	184.83	.08700	.43603	3.1680	.00803	-.06934	1036.8	.01066	.05542
#2	-.00144	183.93	.09211	.43379	3.1581	.00811	-.07227	1043.8	.01093	.05543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19989**	**.21793**	**158.17**	**73.579**	**.64845**	**280.66**	**5.9673**	**.01285**	**8.5065**	**.16332**
Stddev	.00097	.00132	.02	.229	.00095	1.02	.0131	.00012	.0460	.00068
%RSD	.48615	.60696	.01017	.31170	.14700	.36242	.22000	.90475	.54100	.41847
#1	.20057	.21887	158.18	73.742	.64912	281.38	5.9765	.01277	8.4740	.16381
#2	.19920	.21700	158.16	73.417	.64777	279.94	5.9580	.01294	8.5391	.16284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.333**	**.19674**	**5.0610**	**.00900**	**.01133**	**2.1484**	**4.5977**	**.01733**	**4.0234**	**.08133**
Stddev	.014	.00068	.0038	.00189	.00040	.0199	.0425	.00043	.0083	.00093
%RSD	.11460	.34710	.07434	21.002	3.5615	.92439	.92439	2.4693	.20529	1.1403
#1	12.343	.19723	5.0583	.01034	.01104	2.1344	4.5676	.01703	4.0292	.08067
#2	12.323	.19626	5.0636	.00766	.01161	2.1625	4.6277	.01763	4.0175	.08199
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2888**	**-.00073**	F **-.36956**	**.27182**	**.69872**	**.22616**
Stddev	.0024	.00096	.00492	.00164	.00205	.00197
%RSD	.05523	132.37	1.3311	.60380	.29330	.87250
#1	4.2904	-.00005	-.36608	.27065	.69727	.22756
#2	4.2871	-.00141	-.37304	.27298	.70017	.22477
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7297.7**	**80789.**	**7248.1**
Stddev	25.2	116.	14.9
%RSD	.34478	.14361	.20626
#1	7279.9	80707.	7237.5
#2	7315.5	80871.	7258.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 6:05:16 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00712**	**47.711**	**-.00067**	**.00307**	**.00085**	**-.00002**	W **1.0741**	**.13528**	**.00069**	**-.00104**	**.00020**	**-.00649**
Stddev	.00024	.506	.00158	.00010	.00019	.00003	.0031	.04056	.00014	.00017	.00009	.00036
%RSD	3.4175	1.0608	234.50	3.4082	22.023	142.36	.28831	29.985	20.722	15.933	44.298	5.5178
#1	-.00729	48.069	-.00179	.00299	.00098	.00000	1.0719	.16397	.00059	-.00092	.00014	-.00624
#2	-.00695	47.353	.00044	.00314	.00072	-.00004	1.0763	.10660	.00080	-.00115	.00027	-.00674
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.499**	**.17927**	**.00171**	**.07332**	**.00028**	**.00042**	**259.99**	**-.00088**	**.00435**	**-.00264**	**5.0837**	**.00022**
Stddev	.017	.01660	.00023	.00036	.00003	.00032	1.90	.00061	.00002	.00028	.0119	.00117
%RSD	.03433	9.2607	13.554	.48614	12.617	76.857	.73259	68.844	.52011	10.627	.23364	530.76
#1	49.487	.19101	.00154	.07358	.00030	.00065	261.34	-.00045	.00434	-.00284	5.0753	.00105
#2	49.511	.16753	.00187	.07307	.00025	.00019	258.64	-.00131	.00437	-.00244	5.0921	-.00061
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00556**	**-.00588**	**-.01258**	**.00022**	**.00040**	**5.1410**	**.01304**	**.00207**	F **8.2654**	**.00022**	**.00353**	**-.07717**
Stddev	.00382	.00358	.00767	.00039	.00011	.0056	.00006	.00019	.0222	.00029	.00039	.00008
%RSD	68.672	60.952	60.952	175.97	26.286	.10802	.46480	9.4116	.26858	134.07	11.034	.10468
#1	-.00825	-.00841	-.01800	-.00005	.00047	5.1371	.01300	.00193	8.2497	.00001	.00381	-.07722
#2	-.00286	-.00334	-.00716	.00050	.00033	5.1450	.01308	.00221	8.2810	.00042	.00325	-.07711
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6868.7**	**77141.**	**6355.8**
Stddev	5.5	620.	98.1
%RSD	.08001	.80431	1.5441
#1	6872.5	77580.	6286.4
#2	6864.8	76702.	6425.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 6:07:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54718**	F **.55564**	**1.0573**	**.53295**	**.51395**	**.46596**	**-.00852**	**4.7031**	**.49218**	**.50910**	**.53841**	**.51074**	**2.5715**
Stddev	.00038	.00010	.0040	.00093	.00426	.00352	.00074	.0449	.00071	.00104	.00087	.00061	.0382
%RSD	.06980	.01750	.37713	.17447	.82807	.75501	8.7074	.95500	.14415	.20457	.16214	.11884	1.4855
#1	.54745	.55557	1.0601	.53361	.51094	.46348	-.00905	4.6713	.49268	.50983	.53903	.51031	2.5445
#2	.54691	.55571	1.0544	.53230	.51696	.46845	-.00800	4.7348	.49168	.50836	.53780	.51117	2.5985
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.085**	**1.0171**	**20.844**	**.50447**	**.52997**	**5.4030**	**.54213**	**1.0649**	**.98000**	**.00240**	**1.0336**	**1.0769**	**4.9954**
Stddev	.324	.0064	.022	.00064	.00024	.0873	.00031	.0038	.00097	.00265	.0041	.0059	.0091
%RSD	.64646	.62839	.10751	.12644	.04584	1.6158	.05765	.35975	.09852	110.79	.39892	.54709	.18252
#1	49.856	1.0126	20.829	.50492	.52980	5.3412	.54235	1.0622	.97931	.00427	1.0306	1.0811	4.9890
#2	50.314	1.0217	20.860	.50401	.53014	5.4647	.54190	1.0676	.98068	.00052	1.0365	1.0728	5.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.690**	**1.0527**	**.49773**	**.00243**	**.51335**	**1.0132**	**-.05125**	**.49140**	**.51865**	**.48663**
Stddev	.020	.0008	.00335	.00063	.00011	.0007	.00987	.00191	.00027	.00636
%RSD	.18252	.07132	.67267	25.910	.02144	.07076	19.260	.38892	.05230	1.3070
#1	10.676	1.0533	.49536	.00287	.51343	1.0137	-.04427	.49275	.51884	.48213
#2	10.704	1.0522	.50010	.00198	.51327	1.0126	-.05823	.49004	.51846	.49113
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7000.8**	**78607.**	**6224.2**
Stddev	11.3	29.	62.1
%RSD	.16166	.03751	.99700
#1	6992.8	78628.	6268.0
#2	7008.8	78586.	6180.3

Sample Name: CCB Acquired: 11/15/2013 6:09:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00278**	**-.00022**	**.00196**	**.00026**	**.00001**	**.00158**	**.01732**	**-.00012**	**.00005**	**.00003**	**-.00099**
Stddev	.00044	.00008	.00288	.00030	.00017	.00006	.00076	.00159	.00009	.00002	.00013	.00026
%RSD	71.158	2.9960	1330.5	15.272	64.482	509.78	47.900	9.1661	73.721	30.248	390.14	26.441
#1	-.00093	.00272	-.00225	.00217	.00037	.00005	.00212	.01844	-.00006	.00004	-.00006	-.00080
#2	-.00031	.00284	.00182	.00174	.00014	-.00003	.00105	.01620	-.00018	.00006	.00013	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.16060**	W **.00361**	**.01019**	W **.00030**	**-.00001**	F **.20391**	**-.00009**	**.00085**	**-.00071**	**.00283**	W **.00408**
Stddev	.00001	.05140	.00239	.00072	.00004	.00032	.00029	.00032	.00068	.00122	.00179	.00058
%RSD	1.6562	32.005	66.169	7.0763	13.191	2733.9	.14240	364.76	79.191	173.03	63.138	14.103
#1	.00062	.12425	.00192	.01071	.00027	.00022	.20370	.00014	.00133	-.00157	.00409	.00367
#2	.00063	.19695	.00531	.00968	.00033	-.00024	.20411	-.00031	.00038	.00016	.00157	.00448
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261		.00025		.18320					.00314
Low Limit			-.00261		-.00025		-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00167**	**.00357**	**-.00023**	**-.00009**	**.00552**	**.00004**	**-.00007**	**-.01857**	**.00031**	**.00371**	**-.00102**
Stddev	.00047	.01188	.02543	.00043	.00009	.00136	.00018	.00091	.02789	.00004	.00007	.00027
%RSD	18.913	712.52	712.52	185.29	103.93	24.717	408.07	1222.5	150.24	13.117	1.8498	26.322
#1	.00214	.01007	.02155	-.00054	-.00002	.00649	-.00008	.00057	-.03829	.00034	.00376	-.00083
#2	.00281	-.00674	-.01441	.00007	-.00015	.00456	.00017	-.00072	.00116	.00028	.00366	-.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6998.8**	**79391.**	**6175.4**
Stddev	4.0	431.	60.9
%RSD	.05755	.54247	.98678
#1	7001.6	79086.	6132.3
#2	6995.9	79695.	6218.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 6:12:10 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00967**	F **.13850**	**.01803**	**.11057**	**.01060**	**.00087**	**.12357**	**.21152**	**.00502**	**.01074**	**.01113**	**.01501**	**.10828**
Stddev	.00003	.02792	.00350	.00037	.00013	.00000	.00180	.00267	.00016	.00008	.00014	.00070	.00232
%RSD	.30865	20.158	19.410	.33050	1.2333	.46519	1.4542	1.2634	3.2153	.73278	1.2670	4.6344	2.1429
#1	.00969	.15824	.01556	.11031	.01069	.00087	.12484	.20963	.00490	.01069	.01123	.01451	.10664
#2	.00965	.11876	.02051	.11083	.01051	.00087	.12230	.21341	.00513	.01080	.01103	.01550	.10992
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000											
Range		30.000%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1333**	**.01065**	**.22988**	**.01064**	**.02117**	**1.2487**	**.04596**	**3.2077**	**.00905**	**.00402**	**.01036**	**.01605**	**.48849**
Stddev	.0254	.00126	.00221	.00000	.00012	.0102	.00009	.0110	.00206	.00215	.00145	.00252	.00867
%RSD	.81104	11.792	.96023	.01819	.55845	.81960	.18635	.34202	22.804	53.409	13.963	15.695	1.7759
#1	3.1153	.01154	.22832	.01064	.02126	1.2414	.04602	3.1999	.01051	.00554	.00934	.01427	.49463
#2	3.1512	.00976	.23144	.01063	.02109	1.2559	.04590	3.2154	.00759	.00250	.01138	.01783	.48236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0454**	**.11011**	**.01000**	**.01789**	**.01051**	**.01745**	**.07349**	**.01038**	**.02568**	**.01508**
Stddev	.0186	.00091	.00016	.00196	.00051	.00029	.03292	.00040	.00044	.00282
%RSD	1.7759	.82363	1.5602	10.963	4.8454	1.6532	44.793	3.8387	1.7149	18.727
#1	1.0585	.10947	.00989	.01650	.01087	.01724	.09677	.01010	.02537	.01308
#2	1.0322	.11075	.01011	.01928	.01015	.01765	.05022	.01066	.02599	.01708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7144.4**	**81083.**	**6388.5**
Stddev	4.6	324.	99.3
%RSD	.06478	.39927	1.5539
#1	7147.7	81312.	6318.3
#2	7141.1	80854.	6458.7

Sample Name: 280-48953-a-4-c Acquired: 11/15/2013 6:14:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**223.17**	**.11562**	**.51982**	**3.2887**	**.00841**	W **-.06830**	RF **1585.7**	**.00714**	**.04953**
Stddev	.00029	.42	.00344	.00108	.0045	.00009	.00143	27.7	.00005	.00021
%RSD	13.052	.18734	2.9761	.20817	.13642	1.0870	2.0915	1.7453	.71746	.41729
#1	-.00245	223.46	.11319	.51905	3.2918	.00847	-.06729	1605.2	.00718	.04968
#2	-.00203	222.87	.11805	.52058	3.2855	.00834	-.06931	1566.1	.00711	.04938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20676**	**.18700**	**153.03**	**58.634**	**.75022**	**180.61**	**3.3098**	**.01934**	**84.386**	**.17484**
Stddev	.00073	.00020	.65	.161	.00089	.95	.0516	.00009	.876	.00046
%RSD	.35420	.10782	.42249	.27407	.11853	.52499	1.5580	.44159	1.0380	.26484
#1	.20624	.18714	153.48	58.747	.75085	181.28	3.3463	.01940	83.767	.17451
#2	.20727	.18685	152.57	58.520	.74959	179.94	3.2733	.01928	85.005	.17517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.2238**	**.13034**	**34.749**	**.01534**	**.01062**	**2.2949**	**4.9110**	**.01889**	W **5.6959**	**.08133**
Stddev	.0828	.00237	.058	.00124	.00010	.0244	.0522	.00106	.0417	.00064
%RSD	1.1463	1.8197	.16739	8.0851	.93371	1.0636	1.0636	5.6085	.73127	.79287
#1	7.1652	.13202	34.790	.01446	.01055	2.2776	4.8741	.01814	5.6665	.08087
#2	7.2823	.12866	34.707	.01622	.01069	2.3121	4.9480	.01964	5.7254	.08179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5571**	**.00050**	F **-.32255**	**.35519**	**.62580**	**.29975**
Stddev	.0067	.00013	.06812	.00132	.00099	.00262
%RSD	.14812	26.883	21.120	.37175	.15759	.87560
#1	4.5619	.00040	-.27438	.35612	.62650	.30160
#2	4.5523	.00059	-.37072	.35426	.62510	.29789
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7122.4**	**77670.**	**7116.6**
Stddev	5.5	509.	35.6
%RSD	.07785	.65583	.50056
#1	7126.3	77310.	7091.4
#2	7118.5	78031.	7141.8

Sample Name: 280-48953-a-5-c Acquired: 11/15/2013 6:17:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**188.35**	**.09718**	**.42365**	**3.1461**	**.00831**	W **-.07166**	RF **1111.4**	**.01084**	**.05893**
Stddev	.00055	.40	.00338	.00317	.0097	.00007	.00070	7.0	.00016	.00053
%RSD	48.136	.21049	3.4813	.74931	.30964	.81157	.97733	.62734	1.4526	.89142
#1	-.00076	188.63	.09479	.42140	3.1529	.00836	-.07117	1116.3	.01073	.05856
#2	-.00154	188.07	.09957	.42589	3.1392	.00826	-.07216	1106.5	.01095	.05930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20262**	**.23743**	**163.83**	**76.765**	**.65480**	**288.23**	**6.1866**	**.00798**	**8.0825**	**.17179**
Stddev	.00139	.00019	.47	.190	.00251	2.12	.0413	.00005	.0321	.00136
%RSD	.68822	.08112	.28906	.24801	.38287	.73672	.66673	.62834	.39649	.79289
#1	.20163	.23729	164.17	76.900	.65657	289.73	6.2157	.00801	8.1052	.17083
#2	.20361	.23756	163.50	76.630	.65303	286.73	6.1574	.00794	8.0599	.17275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.072**	**.20539**	**5.3618**	**.01009**	**.00916**	**2.2911**	**4.9029**	**.01530**	**4.1560**	**.08135**
Stddev	.011	.00208	.0522	.00060	.00304	.0166	.0355	.00055	.0432	.00008
%RSD	.08756	1.0123	.97428	5.9469	33.164	.72448	.72448	3.6084	1.0389	.09942
#1	13.064	.20392	5.3248	.00967	.00701	2.3028	4.9280	.01491	4.1255	.08141
#2	13.081	.20686	5.3987	.01051	.01131	2.2793	4.8777	.01570	4.1865	.08129
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0525**	**-.00207**	F **-.35188**	**.27419**	**.74342**	**.23183**
Stddev	.0092	.00100	.03289	.00097	.00116	.00365
%RSD	.22600	48.152	9.3476	.35527	.15636	1.5752
#1	4.0461	-.00278	-.32862	.27350	.74424	.23441
#2	4.0590	-.00137	-.37513	.27488	.74259	.22925
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7322.1**	**81021.**	**7281.2**
Stddev	3.3	151.	9.6
%RSD	.04458	.18639	.13117
#1	7324.4	80914.	7274.4
#2	7319.8	81127.	7287.9

Sample Name: 280-48953-a-6-c Acquired: 11/15/2013 6:20:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**181.50**	**.08643**	**.40341**	**3.0335**	**.00791**	W **-.07097**	RF **1058.3**	**.00991**	**.05533**
Stddev	.00049	1.92	.00146	.00295	.0218	.00006	.00136	17.5	.00025	.00027
%RSD	39.871	1.0599	1.6861	.73247	.71796	.74239	1.9138	1.6561	2.5249	.48049
#1	-.00159	180.14	.08540	.40132	3.0181	.00787	-.07001	1045.9	.01009	.05514
#2	-.00089	182.86	.08747	.40550	3.0489	.00795	-.07193	1070.7	.00974	.05552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19237**	**.21526**	**155.89**	**73.435**	**.63259**	**269.66**	**5.9638**	**.01767**	**8.1443**	**.15945**
Stddev	.00141	.00127	.87	.557	.00082	.24	.0193	.00041	.0853	.00087
%RSD	.73425	.59024	.55960	.75817	.13002	.08898	.32411	2.3059	1.0474	.54585
#1	.19137	.21616	155.27	73.042	.63201	269.49	5.9501	.01738	8.0840	.15883
#2	.19337	.21436	156.51	73.829	.63318	269.83	5.9774	.01796	8.2046	.16007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.997**	**.18183**	**4.6807**	**.00773**	**.00820**	**2.2363**	**4.7857**	**.01499**	**3.8748**	**.07963**
Stddev	.039	.00259	.0224	.00241	.00163	.0221	.0474	.00022	.0289	.00132
%RSD	.32433	1.4251	.47865	31.205	19.890	.99009	.99009	1.4604	.74620	1.6626
#1	11.970	.18000	4.6649	.00943	.00935	2.2206	4.7522	.01484	3.8544	.07870
#2	12.025	.18366	4.6965	.00602	.00705	2.2520	4.8192	.01515	3.8953	.08057
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9684**	**-.00220**	F **-.32711**	**.26459**	**.68788**	**.21446**
Stddev	.0034	.00059	.00653	.00054	.00081	.00271
%RSD	.08638	26.805	1.9972	.20499	.11801	1.2637
#1	3.9708	-.00261	-.32249	.26497	.68845	.21255
#2	3.9660	-.00178	-.33173	.26421	.68730	.21638
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7292.1**	**80607.**	**7251.8**
Stddev	34.4	148.	44.0
%RSD	.47146	.18335	.60658
#1	7316.4	80712.	7282.9
#2	7267.8	80503.	7220.7

Sample Name: 280-48953-a-7-c Acquired: 11/15/2013 6:23:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**210.15**	**.09418**	**.49384**	**3.4104**	**.00890**	W **-.08584**	RF **1110.7**	**.01113**	**.06014**
Stddev	.00010	1.05	.00142	.00007	.0059	.00006	.00146	9.7	.00009	.00007
%RSD	9.6224	.50056	1.5119	.01428	.17208	.68901	1.7030	.87071	.79485	.12116
#1	-.00107	210.89	.09318	.49389	3.4145	.00894	-.08480	1117.5	.01107	.06009
#2	-.00093	209.41	.09519	.49379	3.4062	.00885	-.08687	1103.9	.01120	.06019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22390**	**.24323**	**173.61**	**85.596**	**.71478**	**307.70**	**6.5615**	**.00804**	**10.479**	**11.296**
Stddev	.00023	.00042	.10	.123	.00108	.30	.0245	.00019	.013	.055
%RSD	.10429	.17364	.05499	.14391	.15128	.09896	.37359	2.3418	.12678	.48843
#1	.22373	.24293	173.68	85.683	.71554	307.92	6.5789	.00817	10.488	11.335
#2	.22406	.24353	173.54	85.509	.71401	307.49	6.5442	.00791	10.469	11.257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17646**	W **13.561**	**.20993**	**5.5080**	**.00791**	**.01125**	**2.8620**	**6.1247**	**.01671**	**4.3624**
Stddev	.00014	.022	.00049	.0256	.00076	.00077	.0146	.0313	.00096	.0537
%RSD	.07704	.16508	.23226	.46383	9.6455	6.8764	.51067	.51067	5.7181	1.2313
#1	.17655	13.577	.20959	5.4899	.00737	.01180	2.8517	6.1026	.01738	4.4004
#2	.17636	13.545	.21027	5.5260	.00845	.01071	2.8724	6.1469	.01603	4.3244
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09197**	**4.9617**	**-.00265**	F **-.39690**	**.30749**	**.76991**	**.23945**
Stddev	.00150	.0013	.00077	.00701	.00131	.00279	.00136
%RSD	1.6282	.02677	29.063	1.7673	.42756	.36284	.57001
#1	.09303	4.9626	-.00211	-.39194	.30656	.77188	.23849
#2	.09091	4.9607	-.00320	-.40186	.30842	.76793	.24042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7307.9**	**80558.**	**7257.3**
Stddev	.4	134.	15.6
%RSD	.00596	.16662	.21527
#1	7307.6	80653.	7246.3
#2	7308.2	80463.	7268.4

Sample Name: 280-48953-a-8-c Acquired: 11/15/2013 6:27:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**213.42**	**.10453**	**.48910**	**3.6680**	**.00943**	W **-.07864**	RF **1098.9**	**.01112**	**.06596**
Stddev	.00052	.34	.00649	.00213	.0029	.00007	.00104	27.1	.00006	.00001
%RSD	34.772	.15779	6.2090	.43600	.07886	.76040	1.3264	2.4654	.58356	.02235
#1	-.00188	213.66	.10912	.49061	3.6660	.00948	-.07790	1118.1	.01116	.06597
#2	-.00114	213.18	.09994	.48759	3.6701	.00938	-.07938	1079.8	.01107	.06594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22351**	**.24953**	**184.19**	**86.604**	**.78697**	**341.60**	**7.1749**	**.00784**	**10.042**	W **10.867**
Stddev	.00034	.00103	.19	.109	.00081	.21	.0426	.00009	.001	.184
%RSD	.15215	.41452	.10059	.12598	.10350	.06006	.59425	1.1759	.01289	1.6894
#1	.22375	.24880	184.32	86.681	.78639	341.74	7.2050	.00791	10.041	10.738
#2	.22327	.25026	184.06	86.527	.78755	341.45	7.1447	.00778	10.043	10.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18578**	W **13.690**	**.20862**	**5.2995**	**.00850**	**.00997**	**3.0939**	**6.6209**	**.01622**	**4.7238**
Stddev	.00015	.029	.00118	.0203	.00021	.00453	.0626	.1339	.00044	.0092
%RSD	.08001	.21513	.56338	.38210	2.4311	45.440	2.0224	2.0224	2.6844	.19524
#1	.18568	13.669	.20779	5.3139	.00865	.01318	3.0496	6.5262	.01591	4.7303
#2	.18589	13.711	.20945	5.2852	.00835	.00677	3.1381	6.7156	.01652	4.7173
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09333**	**4.3790**	**-.00313**	F **-.38342**	**.30261**	**.78669**	**.26110**
Stddev	.00218	.0042	.00110	.11239	.00186	.00210	.00005
%RSD	2.3401	.09552	35.035	29.314	.61580	.26731	.01779
#1	.09487	4.3819	-.00390	-.46289	.30393	.78818	.26106
#2	.09178	4.3760	-.00235	-.30394	.30129	.78520	.26113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7359.8**	**81364.**	**7327.3**
Stddev	13.7	34.	55.3
%RSD	.18675	.04176	.75404
#1	7369.6	81340.	7288.3
#2	7350.1	81388.	7366.4

Sample Name: 280-48953-a-9-c Acquired: 11/15/2013 6:30:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**174.55**	**.08999**	**.38292**	**2.7713**	**.00766**	W **-.06547**	W **991.01**	**.00871**	**.05501**
Stddev	.00002	.15	.00254	.00145	.0136	.00008	.00196	10.29	.00020	.00002
%RSD	1.7709	.08824	2.8239	.37785	.48876	1.0151	2.9879	1.0383	2.3380	.03586
#1	-.00105	174.66	.08820	.38395	2.7809	.00772	-.06686	983.74	.00856	.05500
#2	-.00102	174.44	.09179	.38190	2.7617	.00761	-.06409	998.29	.00885	.05503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.05000	500.00		
Low Limit							-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18940**	**.19706**	**151.84**	**69.641**	**.60092**	**256.08**	**5.3981**	**.01566**	**8.7464**	**.15942**
Stddev	.00005	.00115	.34	.191	.00633	2.29	.0070	.00007	.0003	.00020
%RSD	.02693	.58143	.22689	.27389	1.0534	.89455	.12973	.45375	.00295	.12820
#1	.18943	.19625	152.08	69.776	.60540	254.46	5.3932	.01571	8.7466	.15928
#2	.18936	.19787	151.59	69.506	.59644	257.70	5.4031	.01561	8.7462	.15957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.544**	**.16207**	**4.2789**	**.00932**	**.00659**	**2.3511**	**5.0314**	**.01416**	**3.6862**	**.07480**
Stddev	.043	.00174	.0049	.00198	.00080	.0276	.0591	.00009	.0222	.00042
%RSD	.40591	1.0765	.11352	21.306	12.215	1.1739	1.1739	.62047	.60290	.56441
#1	10.575	.16084	4.2824	.00791	.00602	2.3707	5.0732	.01410	3.7020	.07450
#2	10.514	.16330	4.2755	.01072	.00715	2.3316	4.9897	.01423	3.6705	.07510
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7559**	**-.00229**	F **-.35443**	**.25834**	**.64507**	**.21046**
Stddev	.0257	.00178	.06867	.00174	.00597	.00003
%RSD	.68324	77.858	19.376	.67269	.92503	.01192
#1	3.7377	-.00103	-.40299	.25711	.64085	.21048
#2	3.7740	-.00355	-.30587	.25957	.64929	.21045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7261.3**	**80332.**	**7160.9**
Stddev	32.4	382.	46.5
%RSD	.44612	.47513	.64902
#1	7238.4	80602.	7193.8
#2	7284.2	80062.	7128.0

Sample Name: 280-48953-a-10-c Acquired: 11/15/2013 6:32:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**179.93**	**.09643**	**.41288**	**2.8455**	**.00669**	W **-.06221**	RF **1417.7**	**.01290**	**.04607**
Stddev	.00026	.66	.00268	.00052	.0026	.00013	.00344	16.7	.00025	.00029
%RSD	28.868	.36429	2.7785	.12562	.09018	1.9988	5.5313	1.1801	1.9052	.61995
#1	.00109	180.39	.09453	.41252	2.8437	.00679	-.05978	1429.5	.01273	.04587
#2	.00072	179.46	.09832	.41325	2.8473	.00660	-.06464	1405.9	.01307	.04628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26736**	**.43017**	**137.29**	**66.507**	**.58713**	**244.93**	**4.9439**	**.05391**	**12.984**	**.19762**
Stddev	.00067	.00036	1.15	.152	.00041	.93	.0042	.00042	.035	.00025
%RSD	.24939	.08264	.83466	.22908	.06898	.38087	.08518	.77932	.26647	.12834
#1	.26689	.42992	136.48	66.615	.58685	244.27	4.9410	.05362	12.959	.19744
#2	.26783	.43042	138.10	66.399	.58742	245.59	4.9469	.05421	13.008	.19780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.724**	**.20124**	**5.7685**	**.01360**	**.01288**	**2.1694**	**4.6425**	**.01835**	**4.5268**	**.06763**
Stddev	.015	.00020	.0107	.00051	.00725	.0112	.0240	.00056	.0031	.00255
%RSD	.11905	.10145	.18483	3.7618	56.295	.51719	.51719	3.0710	.06744	3.7757
#1	12.714	.20139	5.7609	.01397	.01800	2.1773	4.6594	.01875	4.5290	.06944
#2	12.735	.20110	5.7760	.01324	.00775	2.1614	4.6255	.01795	4.5247	.06582
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0655**	**-.00265**	F **-.33124**	**.26110**	**.81743**	**.17023**
Stddev	.0104	.00005	.06913	.00118	.00358	.00132
%RSD	.25703	1.9494	20.871	.45229	.43751	.77739
#1	4.0729	-.00262	-.38012	.26027	.81996	.17116
#2	4.0582	-.00269	-.28235	.26194	.81490	.16929
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7097.4**	**78401.**	**7135.0**
Stddev	17.3	330.	57.6
%RSD	.24417	.42112	.80709
#1	7109.6	78168.	7094.2
#2	7085.1	78634.	7175.7

Sample Name: 280-48953-a-11-c Acquired: 11/15/2013 6:35:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**132.10**	**.10096**	**.24501**	**2.3054**	**.00372**	**-.03281**	RF **2127.6**	**.00859**	**.02832**
Stddev	.00052	.40	.00082	.00004	.0069	.00000	.00292	19.9	.00015	.00008
%RSD	41.229	.30436	.80870	.01649	.29948	.08084	8.9092	.93471	1.6956	.28393
#1	.00162	131.82	.10154	.24498	2.3005	.00371	-.03487	2113.6	.00849	.02827
#2	.00089	132.39	.10038	.24503	2.3103	.00372	-.03074	2141.7	.00869	.02838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25996**	**.24371**	**83.986**	**34.980**	**.38539**	**153.54**	**2.3476**	**.09487**	**14.077**	**.17495**
Stddev	.00068	.00127	.013	.175	.00003	.25	.0009	.00012	.247	.00005
%RSD	.26107	.52061	.01504	.50026	.00860	.16239	.03821	.12657	1.7533	.02763
#1	.25949	.24461	83.977	34.856	.38536	153.37	2.3482	.09479	13.902	.17498
#2	.26044	.24281	83.995	35.104	.38541	153.72	2.3469	.09496	14.251	.17491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.4239**	**.16178**	**7.7898**	**.02538**	**.01322**	**2.7984**	**5.9885**	**.08366**	W **5.4326**	**.03914**
Stddev	.0123	.00100	.0229	.00001	.00256	.0232	.0497	.00094	.0703	.00074
%RSD	.14620	.61649	.29357	.04203	19.355	.82929	.82929	1.1180	1.2941	1.8927
#1	8.4152	.16248	7.8060	.02538	.01503	2.7820	5.9534	.08433	5.3829	.03862
#2	8.4326	.16107	7.7736	.02537	.01141	2.8148	6.0236	.08300	5.4823	.03967
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6372**	**.00046**	F **-.21705**	**.22677**	**.63165**	**.14035**
Stddev	.0068	.00057	.01507	.00017	.00079	.00150
%RSD	.25648	123.78	6.9453	.07349	.12577	1.0661
#1	2.6420	.00086	-.20639	.22665	.63221	.14141
#2	2.6324	.00006	-.22771	.22688	.63109	.13930
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.0**	**75264.**	**6823.0**
Stddev	24.6	21.	103.0
%RSD	.36054	.02855	1.5094
#1	6854.4	75249.	6895.8
#2	6819.5	75279.	6750.2

Sample Name: 280-48953-a-12-c Acquired: 11/15/2013 6:38:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**178.15**	**.09278**	**.39865**	**2.9343**	**.00663**	W **-.06224**	RF **1410.7**	**.01358**	**.04506**
Stddev	.00049	.62	.00273	.00023	.0091	.00003	.00036	.7	.00011	.00013
%RSD	4773.8	.34873	2.9440	.05705	.31021	.50889	.57766	.04855	.84400	.29137
#1	-.00034	178.59	.09084	.39849	2.9408	.00666	-.06198	1411.2	.01349	.04515
#2	.00036	177.71	.09471	.39881	2.9279	.00661	-.06249	1410.2	.01366	.04497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27778**	**.39028**	**137.51**	**67.002**	**.58265**	**244.87**	**4.9067**	**.08803**	**15.616**	**.20468**
Stddev	.00048	.00010	.13	.162	.00359	1.10	.0139	.00018	.193	.00022
%RSD	.17152	.02495	.09632	.24131	.61659	.45051	.28292	.20301	1.2380	.10648
#1	.27745	.39035	137.60	67.117	.58519	245.65	4.8969	.08790	15.752	.20483
#2	.27812	.39021	137.41	66.888	.58011	244.09	4.9165	.08816	15.479	.20452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.419**	**.17656**	**6.9250**	**.01234**	**.00905**	**2.2750**	**4.8686**	**.02027**	**4.4560**	**.06646**
Stddev	.003	.00250	.0210	.00031	.00443	.0127	.0272	.00033	.0308	.00006
%RSD	.02376	1.4187	.30356	2.5213	48.989	.55789	.55789	1.6048	.69218	.08491
#1	12.417	.17479	6.9102	.01212	.00591	2.2661	4.8494	.02050	4.4779	.06650
#2	12.421	.17833	6.9399	.01256	.01218	2.2840	4.8878	.02004	4.4342	.06642
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9583**	**-.00102**	F **-.30170**	**.26586**	**.85779**	**.17511**
Stddev	.0039	.00222	.02115	.00004	.00138	.00316
%RSD	.09753	217.36	7.0107	.01689	.16037	1.8033
#1	3.9610	-.00260	-.31665	.26589	.85877	.17287
#2	3.9556	.00055	-.28674	.26583	.85682	.17734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7104.6**	**78225.**	**7000.0**
Stddev	9.0	13.	56.7
%RSD	.12688	.01651	.81005
#1	7111.0	78234.	6959.9
#2	7098.2	78216.	7040.1

Sample Name: 280-48953-a-13-c Acquired: 11/15/2013 6:42:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**176.05**	**.08506**	**.41461**	**2.9131**	**.00748**	W **-.06723**	RF **1061.7**	**.00966**	**.05497**
Stddev	.00010	.48	.00454	.00040	.0110	.00001	.00330	3.1	.00002	.00076
%RSD	13.147	.27269	5.3410	.09714	.37855	.19788	4.9142	.29584	.23133	1.3798
#1	-.00070	175.71	.08185	.41489	2.9053	.00747	-.06490	1063.9	.00964	.05443
#2	-.00084	176.39	.08827	.41432	2.9209	.00749	-.06957	1059.4	.00967	.05550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19169**	**.20555**	**150.73**	**73.105**	**.63022**	**277.70**	**5.8736**	**.00657**	**8.6070**	**.15992**
Stddev	.00034	.00186	1.46	.310	.00463	.05	.0064	.00009	.0464	.00022
%RSD	.17505	.90339	.96834	.42350	.73450	.01792	.10866	1.3318	.53855	.14052
#1	.19146	.20424	149.70	72.886	.62695	277.67	5.8781	.00663	8.5742	.16008
#2	.19193	.20687	151.76	73.324	.63350	277.74	5.8691	.00650	8.6398	.15976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.513**	**.16754**	**4.4805**	**.00819**	**.00970**	**2.0910**	**4.4748**	**.01442**	**3.9287**	**.07776**
Stddev	.004	.00236	.0107	.00207	.00236	.0364	.0779	.00084	.0134	.00008
%RSD	.03197	1.4067	.23759	25.220	24.290	1.7417	1.7417	5.8285	.33978	.10227
#1	11.515	.16587	4.4730	.00673	.01137	2.0653	4.4197	.01382	3.9193	.07771
#2	11.510	.16921	4.4881	.00965	.00804	2.1168	4.5299	.01501	3.9382	.07782
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7398**	**-.00228**	F **-.32988**	**.25785**	**.67209**	**.20552**
Stddev	.0109	.00101	.03322	.00223	.00074	.00121
%RSD	.29184	44.402	10.072	.86623	.11038	.58901
#1	3.7321	-.00300	-.30639	.25627	.67262	.20638
#2	3.7475	-.00156	-.35337	.25943	.67157	.20466
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7240.7**	**80038.**	**7103.3**
Stddev	5.2	30.	39.4
%RSD	.07219	.03705	.55478
#1	7237.0	80017.	7131.2
#2	7244.4	80059.	7075.5

Sample Name: CCVH-2372891 Acquired: 11/15/2013 6:45:05 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00855**	**47.061**	**-.00227**	**.00287**	**.00182**	**-.00001**	W **1.0884**	**.56692**	**.00106**	**-.00111**	**.00025**	**-.00865**
Stddev	.00097	.177	.00099	.00005	.00008	.00002	.0060	.02739	.00009	.00001	.00018	.00018
%RSD	11.383	.37700	43.621	1.6903	4.2622	171.75	.54841	4.8308	8.7299	.49717	69.699	2.0651
#1	-.00786	46.935	-.00157	.00290	.00187	.00000	1.0841	.58628	.00112	-.00112	.00013	-.00878
#2	-.00923	47.186	-.00297	.00283	.00176	-.00002	1.0926	.54755	.00099	-.00111	.00038	-.00853
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.280**	**.24350**	**.00138**	**.11369**	**.00099**	**.00091**	**260.39**	**-.00070**	**.00446**	**-.00414**	**5.1250**	**.00230**
Stddev	.097	.04456	.00167	.04271	.00112	.00004	.95	.00023	.00166	.00098	.0035	.00007
%RSD	.19754	18.302	121.39	37.564	112.97	4.1269	.36488	33.300	37.165	23.639	.06790	3.0630
#1	49.349	.21199	.00256	.14389	.00179	.00088	259.71	-.00086	.00329	-.00345	5.1225	.00225
#2	49.211	.27501	.00020	.08349	.00020	.00094	261.06	-.00054	.00563	-.00484	5.1275	.00235
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00830**	**-.01024**	**-.02192**	**-.00027**	**.00184**	**5.0803**	**.01522**	**.00258**	F **12.373**	**.00210**	**.00179**	**-.07592**
Stddev	.00270	.00755	.01616	.00000	.00015	.0046	.00004	.00039	.211	.00040	.00014	.00035
%RSD	32.549	73.737	73.737	.77037	8.2089	.08971	.23224	15.222	1.7022	19.023	8.0966	.46249
#1	-.00639	-.00490	-.01049	-.00027	.00195	5.0835	.01519	.00230	12.224	.00182	.00189	-.07616
#2	-.01020	-.01558	-.03335	-.00027	.00173	5.0771	.01524	.00285	12.522	.00239	.00169	-.07567
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6916.1**	**77369.**	**6220.8**
Stddev	14.1	71.	18.7
%RSD	.20408	.09181	.30103
#1	6906.1	77319.	6234.0
#2	6926.1	77419.	6207.6

Sample Name: CCV-2372889 Acquired: 11/15/2013 6:47:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54707**	F **.56938**	**1.0441**	**.53650**	**.52052**	**.46677**	**-.00994**	**4.7352**	**.48971**	**.51002**	**.54331**	**.51359**	**2.5829**
Stddev	.00469	.00588	.0034	.00375	.00058	.00050	.00002	.0227	.00012	.00047	.00117	.00202	.0033
%RSD	.85763	1.0321	.32277	.69882	.11197	.10645	.20672	.47933	.02503	.09265	.21462	.39414	.12838
#1	.54376	.56523	1.0417	.53385	.52011	.46712	-.00993	4.7192	.48979	.50968	.54249	.51216	2.5852
#2	.55039	.57354	1.0465	.53915	.52093	.46642	-.00996	4.7513	.48962	.51035	.54414	.51503	2.5805
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.414**	**1.0283**	**20.692**	**.50426**	**.53140**	**5.3870**	**.54657**	**1.0678**	**.96037**	**.00304**	**1.0347**	**1.0710**	**4.9597**
Stddev	.025	.0021	.059	.00187	.00085	.0191	.00059	.0032	.00241	.00100	.0043	.0015	.0375
%RSD	.04895	.20748	.28403	.36991	.15965	.35508	.10733	.29517	.25116	32.879	.41060	.14446	.75649
#1	50.396	1.0268	20.651	.50294	.53200	5.4006	.54616	1.0700	.96207	.00234	1.0377	1.0721	4.9332
#2	50.431	1.0298	20.734	.50558	.53080	5.3735	.54699	1.0655	.95866	.00375	1.0317	1.0699	4.9863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.614**	**1.0440**	**.50325**	**.00525**	**.51268**	**1.0051**	**-.05009**	**.49448**	**.51453**	**.49164**
Stddev	.080	.0023	.00098	.00155	.00170	.0035	.04515	.00022	.00030	.00044
%RSD	.75649	.22307	.19382	29.563	.33188	.34752	90.141	.04512	.05746	.09048
#1	10.557	1.0457	.50394	.00635	.51148	1.0075	-.08202	.49464	.51474	.49133
#2	10.671	1.0424	.50257	.00415	.51388	1.0026	-.01816	.49433	.51432	.49196
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6917.7**	**78295.**	**6172.5**
Stddev	1.4	101.	.6
%RSD	.01960	.12953	.00916
#1	6916.7	78224.	6172.9
#2	6918.6	78367.	6172.1

Sample Name: CCB Acquired: 11/15/2013 6:49:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00094**	**.00660**	**.00049**	**.00244**	W **.00112**	**.00015**	**.00242**	F **.33256**	**-.00008**	**-.00022**	**-.00002**
Stddev	.00070	.00101	.00076	.00079	.00007	.00000	.00091	.01363	.00015	.00001	.00018
%RSD	74.065	15.285	155.91	32.586	6.3961	.11949	37.636	4.0976	191.34	3.7857	973.83
#1	-.00045	.00732	.00103	.00300	.00117	.00015	.00178	.34219	.00003	-.00022	-.00014
#2	-.00143	.00589	-.00005	.00188	.00107	.00015	.00306	.32292	-.00019	-.00021	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058			.06900			
Low Limit	-.00093				-.00058			-.06900			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	F **.03635**	**.20696**	**.00030**	W **.01982**	W **.00042**	**.00007**	F **.20885**	**-.00028**	**.00005**	**.00026**
Stddev	.00084	.00113	.06198	.00177	.01088	.00027	.00001	.00010	.00003	.00052	.00104
%RSD	123.82	3.1202	29.951	589.63	54.885	64.328	15.631	.04692	12.459	984.91	402.52
#1	-.00008	.03715	.25079	-.00095	.02751	.00061	.00007	.20892	-.00030	-.00032	.00099
#2	-.00127	.03555	.16313	.00156	.01213	.00023	.00006	.20878	-.00025	.00042	-.00048
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.03000			.01070	.00025		.18320			
Low Limit		-.03000			-.01070	-.00025		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00222**	**.00003**	**.00962**	**.02058**	**-.00065**	F **.00109**	**.00107**	**.00010**	**.00122**	**.01518**
Stddev	.00043	.00105	.00206	.00120	.00257	.00024	.00003	.00183	.00022	.00108	.01855
%RSD	60.793	47.455	6373.2	12.477	12.477	37.344	2.6461	171.39	224.66	88.857	122.21
#1	.00102	.00148	-.00142	.00877	.01877	-.00082	.00107	.00237	.00025	.00199	.00206
#2	.00041	.00296	.00149	.01047	.02240	-.00048	.00111	-.00023	-.00006	.00045	.02829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050				
Low Limit							-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00020**	**.00381**	**-.00008**
Stddev	.00032	.00047	.00051
%RSD	156.95	12.396	605.67
#1	.00002	.00414	.00028
#2	-.00043	.00347	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6965.3**	**78408.**	**6117.3**
Stddev	1.1	1049.	19.5
%RSD	.01592	1.3378	.31889
#1	6966.1	79150.	6131.1
#2	6964.5	77667.	6103.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 6:52:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**.12489**	**.01307**	**.10642**	**.01028**	**.00089**	**.11546**	**.25501**	**.00489**	**.01035**	**.01095**	**.01462**	**.10705**	**2.9749**
Stddev	.00008	.00029	.00005	.00047	.00013	.00005	.00108	.00359	.00003	.00010	.00009	.00013	.00081	.0544
%RSD	.79405	.22833	.41525	.44418	1.2720	5.1899	.93708	1.4062	.69931	.98474	.79043	.91464	.75447	1.8289
#1	.00982	.12469	.01303	.10675	.01038	.00086	.11622	.25247	.00486	.01042	.01089	.01453	.10648	2.9365
#2	.00971	.12509	.01311	.10608	.01019	.00093	.11469	.25754	.00491	.01028	.01102	.01471	.10763	3.0134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00936**	**.22319**	**.01061**	**.02069**	**1.2022**	**.04439**	**3.0709**	**.00966**	**.00298**	**.00918**	**.01645**	**.49293**	**1.0549**	**.10587**
Stddev	.00010	.00135	.00002	.00013	.0039	.00014	.0027	.00131	.00072	.00207	.00280	.02965	.0635	.00079
%RSD	1.0540	.60500	.14588	.62418	.32243	.32544	.08971	13.566	24.224	22.516	17.040	6.0146	6.0146	.74481
#1	.00929	.22223	.01060	.02060	1.1995	.04429	3.0690	.01059	.00247	.00772	.01843	.47197	1.0100	.10643
#2	.00943	.22414	.01062	.02078	1.2049	.04449	3.0729	.00873	.00348	.01064	.01447	.51390	1.0997	.10532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.01805**	**.01043**	**.01564**	**.06157**	**.00954**	**.02448**	**.01273**
Stddev	.00026	.00085	.00006	.00134	.00241	.00083	.00018	.00095
%RSD	2.6711	4.7217	.58473	8.5882	3.9180	8.6529	.75253	7.4785
#1	.00972	.01745	.01039	.01659	.05986	.01012	.02435	.01341
#2	.01009	.01866	.01048	.01469	.06327	.00896	.02461	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6982.2**	**80223.**	**6296.6**
Stddev	10.9	547.	45.1
%RSD	.15550	.68196	.71639
#1	6989.9	80610.	6328.5
#2	6974.5	79836.	6264.7

Sample Name: mb 280-200879/1-a Acquired: 11/15/2013 6:54:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00096**	W **.02650**	**-.00174**	**.00178**	**.00066**	**.00000**	**.00192**	F **.21323**	**-.00002**	**-.00028**
Stddev	.00040	.00117	.00092	.00080	.00000	.00007	.00136	.00278	.00007	.00005
%RSD	41.947	4.4156	53.180	45.073	.18272	12451.	70.395	1.3053	325.89	16.769
#1	-.00067	.02732	-.00239	.00234	.00066	-.00005	.00097	.21520	-.00007	-.00031
#2	-.00124	.02567	-.00108	.00121	.00066	.00005	.00288	.21126	.00003	-.00024
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.01000	.01647						.20000		
Low Limit	-.00010	-.05000						-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00017**	W **.03016**	**.07022**	**.00226**	W **.03917**	W **.00088**	**-.00018**	W **.15530**	**.00093**
Stddev	.00008	.00029	.00250	.01759	.00005	.00151	.00002	.00010	.01606	.00054
%RSD	155.70	166.35	8.3008	25.055	2.4068	3.8494	2.2064	59.156	10.341	57.958
#1	.00010	-.00037	.03193	.05778	.00230	.04024	.00089	-.00025	.14394	.00132
#2	.00000	.00003	.02839	.08266	.00222	.03810	.00086	-.00010	.16665	.00055
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710			.01504	.00023		.05054	
Low Limit			-.05000			-.05000	-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00069**	**.00482**	**.00133**	**-.00348**	**-.00003**	**-.00006**	**-.00066**	**.00050**	W **.00261**
Stddev	.00063	.00038	.00086	.00022	.00273	.00545	.01166	.00001	.00015	.00172
%RSD	39.432	55.410	17.880	16.194	78.257	18311.	18311.	1.3101	30.323	65.943
#1	.00115	.00096	.00543	.00118	-.00156	-.00388	-.00831	-.00065	.00039	.00139
#2	.00203	.00042	.00421	.00149	-.00541	.00382	.00818	-.00066	.00061	.00383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00024**	**.01548**	**.00013**	W **.00399**	**-.00068**
Stddev	.00014	.00029	.00777	.00006	.00015	.00166
%RSD	16.425	119.17	50.216	45.679	3.6973	244.87
#1	.00092	.00045	.00998	.00009	.00388	.00050
#2	.00073	.00004	.02097	.00018	.00409	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7099.6**	**81255.**	**6224.9**
Stddev	12.6	114.	36.2
%RSD	.17733	.13981	.58211
#1	7108.5	81335.	6250.6
#2	7090.7	81174.	6199.3

Sample Name: lcs 280-200879/2-a Acquired: 11/15/2013 6:56:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05184**	**2.0354**	**1.0387**	F **.00101**	**2.0147**	**.04551**	**2.1758**	F **44.114**	**.09691**	**.48863**
Stddev	.00066	.0039	.0006	.00018	.0244	.00055	.0128	.541	.00039	.00033
%RSD	1.2770	.19238	.05742	17.580	1.2124	1.2142	.58904	1.2271	.40709	.06660
#1	.05230	2.0382	1.0383	.00088	1.9974	.04512	2.1668	43.731	.09663	.48840
#2	.05137	2.0326	1.0391	.00114	2.0320	.04591	2.1849	44.496	.09719	.48886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit				1.1050				55.500		
Low Limit				.86000				44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21345**	**.24923**	**1.0111**	**49.949**	**1.0132**	**50.495**	**.48607**	F **.00028**	**52.820**	**.52445**
Stddev	.00164	.00138	.0048	.570	.0106	.283	.00247	.00010	.798	.00294
%RSD	.77037	.55370	.47508	1.1406	1.0468	.55964	.50715	37.654	1.5109	.56046
#1	.21229	.25020	1.0077	49.546	1.0057	50.695	.48782	.00035	52.256	.52237
#2	.21462	.24825	1.0145	50.352	1.0207	50.295	.48433	.00020	53.385	.52653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.90000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.626**	**.46532**	**.00150**	F **-.00181**	**2.1095**	F **.00585**	**.01252**	F **-.00019**	**.97570**	**.99503**
Stddev	.003	.00472	.00140	.00056	.0093	.00647	.01384	.00042	.01043	.00506
%RSD	.02356	1.0140	93.337	30.962	.44022	110.50	110.50	218.98	1.0688	.50853
#1	10.624	.46198	.00249	-.00141	2.1029	.00128	.00274	.00010	.96833	.99861
#2	10.628	.46866	.00051	-.00220	2.1161	.01042	.02231	-.00049	.98308	.99146
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass
High Limit				.55499		11.000		2.2600		
Low Limit				.44000		9.0000		1.7000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00318**	**1.9083**	F **3.2734**	**.48270**	**.49424**	F **-.01432**
Stddev	.00032	.0094	.0483	.00160	.00031	.00165
%RSD	9.9172	.49477	1.4770	.33142	.06299	11.544
#1	.00341	1.9017	3.2392	.48383	.49446	-.01549
#2	.00296	1.9150	3.3076	.48157	.49402	-.01315
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	1.1100		2.3000			.57500
Low Limit	.90000		1.7000			.42500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6769.7**	**77331.**	**6113.7**
Stddev	11.3	169.	67.7
%RSD	.16680	.21849	1.1074
#1	6777.7	77212.	6161.6
#2	6761.7	77451.	6065.8

Sample Name: 280-49176-b-1-a Acquired: 11/15/2013 6:58:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.08750**	**-.00176**	**.23812**	**.11525**	**-.00005**	**.00306**	**127.44**	**.00055**	**-.00017**
Stddev	.00018	.00038	.00162	.00058	.00126	.00001	.00220	1.32	.00021	.00005
%RSD	12.854	.43099	91.733	.24491	1.0909	23.473	71.905	1.0347	37.441	28.004
#1	-.00125	.08777	-.00291	.23770	.11614	-.00006	.00150	128.37	.00041	-.00013
#2	-.00150	.08723	-.00062	.23853	.11436	-.00004	.00461	126.51	.00070	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00084**	**.11981**	**4.6265**	**.04784**	**39.010**	**.10612**	**.00378**	**192.17**	**.00141**
Stddev	.00001	.00002	.00496	.0675	.00107	.050	.00021	.00001	1.49	.00021
%RSD	1.6788	2.5909	4.1385	1.4583	2.2435	.12845	.19981	.29035	.77552	15.044
#1	.00033	.00086	.12332	4.6742	.04708	39.045	.10627	.00379	193.23	.00126
#2	.00032	.00083	.11630	4.5788	.04860	38.975	.10597	.00377	191.12	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05617**	**-.00012**	**134.31**	**.00059**	**.00421**	**5.3731**	**11.498**	**-.00140**	**1.8144**	**.00350**
Stddev	.00003	.00144	.61	.00050	.00292	.0334	.071	.00003	.0178	.00128
%RSD	.05460	1217.1	.45423	83.928	69.415	.62090	.62090	2.3656	.97928	36.639
#1	.05619	.00090	133.87	.00094	.00214	5.3967	11.549	-.00142	1.8269	.00259
#2	.05615	-.00114	134.74	.00024	.00627	5.3495	11.448	-.00137	1.8018	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**.00067**	**.01400**	**.00182**	**.00804**	**.00059**
Stddev	.00021	.00189	.03789	.00011	.00007	.00115
%RSD	11.766	284.03	270.58	6.1661	.90471	194.56
#1	.00197	-.00067	.04080	.00190	.00799	-.00022
#2	.00167	.00201	-.01279	.00174	.00809	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6676.7**	**75101.**	**6061.5**
Stddev	28.1	238.	71.7
%RSD	.42151	.31720	1.1828
#1	6696.6	75270.	6010.8
#2	6656.8	74933.	6112.2

Sample Name: 280-49176-b-1-aSD@5 Acquired: 11/15/2013 7:01:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.02638**	**-.00236**	**.05234**	**.02453**	**-.00007**	**.00330**	**27.028**	**-.00009**	**-.00027**
Stddev	.00088	.00049	.00321	.00014	.00003	.00012	.00313	.046	.00003	.00005
%RSD	58.111	1.8563	136.32	.27316	.13231	168.96	94.701	.17074	27.757	18.118
#1	-.00089	.02603	-.00008	.05224	.02450	.00001	.00551	26.995	-.00007	-.00024
#2	-.00213	.02673	-.00463	.05245	.02455	-.00015	.00109	27.061	-.00011	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00023**	**.03961**	**1.0490**	**.01076**	**8.5113**	**.02329**	**.00051**	**41.794**	**.00048**
Stddev	.00009	.00053	.00217	.0370	.00170	.0497	.00004	.00003	.338	.00003
%RSD	83.946	227.75	5.4784	3.5242	15.811	.58342	.16964	5.8535	.80819	7.2238
#1	.00018	-.00061	.04115	1.0752	.01196	8.5464	.02331	.00053	42.033	.00050
#2	.00005	.00014	.03808	1.0229	.00956	8.4762	.02326	.00049	41.556	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**-.00055**	**28.235**	**-.00042**	**.00064**	**1.1356**	**2.4301**	**.00117**	**.38282**	**.00338**
Stddev	.00031	.00008	.017	.00022	.00186	.0045	.0095	.00007	.00169	.00035
%RSD	2.9266	13.698	.05906	51.178	291.60	.39195	.39195	6.1811	.44213	10.296
#1	.01022	-.00050	28.223	-.00057	-.00068	1.1387	2.4368	.00122	.38162	.00363
#2	.01065	-.00061	28.247	-.00027	.00195	1.1324	2.4233	.00112	.38402	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00068**	**-.00059**	**.00061**	**.00789**	**-.00078**
Stddev	.00043	.00012	.02826	.00016	.00013	.00003
%RSD	268.29	17.243	4753.7	26.018	1.6225	3.8332
#1	-.00015	.00076	.01939	.00072	.00779	-.00076
#2	.00047	.00059	-.02058	.00050	.00798	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6942.2**	**79021.**	**6313.2**
Stddev	17.6	59.	7.6
%RSD	.25420	.07478	.12113
#1	6929.7	78979.	6318.6
#2	6954.7	79063.	6307.8

Sample Name: 280-49176-b-1-b ms Acquired: 11/15/2013 7:03:41 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05504**	**2.1049**	**1.1162**	**.24110**	**2.2112**	**.04711**	F **2.2438**	**171.10**	**.10219**	**.49735**
Stddev	.00054	.0015	.0019	.00232	.0181	.00097	.0038	1.38	.00005	.00051
%RSD	.98632	.07379	.17010	.96258	.81969	2.0526	.17059	.80562	.05212	.10262
#1	.05542	2.1038	1.1149	.23946	2.2240	.04779	2.2465	172.08	.10223	.49771
#2	.05466	2.1060	1.1176	.24274	2.1984	.04642	2.2411	170.13	.10216	.49699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21856**	**.26121**	**1.1407**	**57.868**	**1.1151**	**91.523**	**.60696**	**.00426**	**245.86**	**.53124**
Stddev	.00015	.00125	.0252	.433	.0111	.126	.00048	.00003	1.81	.00192
%RSD	.06664	.47771	2.2119	.74900	.99851	.13719	.07837	.60892	.73461	.36075
#1	.21866	.26209	1.1586	58.174	1.1230	91.434	.60729	.00428	247.14	.52988
#2	.21845	.26032	1.1229	57.561	1.1072	91.611	.60662	.00425	244.58	.53259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.542**	**.46877**	**138.61**	**-.00166**	**2.2440**	**5.4349**	**11.631**	**-.00121**	**2.8248**	**1.0321**
Stddev	.008	.00003	.10	.00064	.0012	.0550	.118	.00081	.0229	.0000
%RSD	.07213	.00549	.07045	38.491	.05410	1.0122	1.0122	66.676	.80936	.00323
#1	11.547	.46875	138.55	-.00121	2.2449	5.4738	11.714	-.00064	2.8409	1.0320
#2	11.536	.46879	138.68	-.00211	2.2432	5.3960	11.547	-.00178	2.8086	1.0321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00535**	**1.8631**	**3.3771**	**.50471**	**.51140**	W **-.01493**
Stddev	.00016	.0016	.0357	.00232	.00196	.00109
%RSD	3.0601	.08750	1.0579	.45883	.38256	7.3340
#1	.00523	1.8619	3.3518	.50635	.51001	-.01416
#2	.00546	1.8642	3.4024	.50307	.51278	-.01570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6586.5**	**74723.**	**6242.0**
Stddev	4.2	249.	16.5
%RSD	.06432	.33318	.26381
#1	6583.5	74899.	6230.3
#2	6589.5	74547.	6253.6

Sample Name: 280-49176-b-1-c msd Acquired: 11/15/2013 7:05:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05384**	**2.0623**	**1.0983**	**.23800**	**2.1785**	**.04613**	F **2.2134**	**169.49**	**.10038**	**.48997**
Stddev	.00004	.0019	.0019	.00167	.0024	.00015	.0041	.65	.00008	.00000
%RSD	.07253	.09367	.17180	.70008	.11076	.32515	.18552	.38562	.08099	.00086
#1	.05387	2.0637	1.0997	.23682	2.1768	.04624	2.2105	169.03	.10044	.48997
#2	.05382	2.0609	1.0970	.23918	2.1802	.04603	2.2163	169.95	.10033	.48998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21519**	**.25641**	**1.1108**	**57.098**	**1.0952**	**89.513**	**.59466**	**.00393**	**244.00**	**.52331**
Stddev	.00099	.00187	.0134	.266	.0033	.082	.00215	.00034	.89	.00383
%RSD	.45915	.72771	1.2062	.46639	.29827	.09175	.36204	8.6768	.36340	.73184
#1	.21450	.25509	1.1202	56.910	1.0975	89.455	.59314	.00369	243.37	.52060
#2	.21589	.25773	1.1013	57.286	1.0929	89.571	.59618	.00417	244.63	.52602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.310**	**.46140**	**137.16**	**-.00216**	**2.2140**	**5.3692**	**11.490**	**-.00028**	**2.7955**	**1.0134**
Stddev	.004	.00116	.22	.00075	.0027	.0220	.047	.00011	.0024	.0038
%RSD	.03521	.25090	.16019	35.030	.12378	.40874	.40874	39.362	.08759	.37516
#1	11.308	.46221	137.01	-.00269	2.2160	5.3847	11.523	-.00021	2.7938	1.0107
#2	11.313	.46058	137.32	-.00162	2.2121	5.3537	11.457	-.00036	2.7972	1.0161
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00489**	**1.8384**	**3.3137**	**.49392**	**.49974**	W **-.01418**
Stddev	.00004	.0019	.0223	.00067	.00006	.00045
%RSD	.74953	.10420	.67322	.13638	.01169	3.1695
#1	.00487	1.8397	3.2979	.49345	.49970	-.01386
#2	.00492	1.8370	3.3295	.49440	.49978	-.01450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6606.2**	**75252.**	**6213.1**
Stddev	8.5	43.	45.7
%RSD	.12898	.05721	.73505
#1	6600.2	75221.	6245.4
#2	6612.2	75282.	6180.8

Sample Name: 280-49176-b-2-a Acquired: 11/15/2013 7:08:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.11696**	**-.00415**	**.25441**	**.10992**	**-.00005**	**.00338**	**132.70**	**.00064**	**-.00007**
Stddev	.00029	.00001	.00159	.00004	.00012	.00002	.00322	.60	.00007	.00001
%RSD	28.849	.01197	38.331	.01655	.11359	44.645	95.399	.45342	11.086	12.634
#1	-.00122	.11695	-.00302	.25444	.10983	-.00004	.00566	133.13	.00069	-.00007
#2	-.00080	.11697	-.00527	.25438	.11001	-.00007	.00110	132.28	.00059	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00062**	**.13804**	**4.6605**	**.04768**	**39.450**	**.16006**	**.00386**	**204.94**	**.00123**
Stddev	.00002	.00012	.00027	.0454	.00145	.047	.00043	.00021	.19	.00025
%RSD	6.2587	19.668	.19562	.97430	3.0415	.11787	.26571	5.3436	.09457	20.411
#1	.00024	.00054	.13823	4.6926	.04870	39.417	.16036	.00372	205.08	.00140
#2	.00027	.00071	.13784	4.6284	.04665	39.482	.15976	.00401	204.80	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05560**	**-.00111**	**151.97**	**-.00040**	**.00670**	**5.2559**	**11.248**	**-.00096**	**1.8549**	**.00438**
Stddev	.00083	.00096	.19	.00117	.00063	.0289	.062	.00046	.0076	.00155
%RSD	1.4900	86.876	.12675	293.68	9.4158	.54996	.54996	48.463	.40984	35.470
#1	.05502	-.00179	151.83	.00043	.00715	5.2764	11.291	-.00063	1.8603	.00548
#2	.05619	-.00043	152.11	-.00122	.00625	5.2355	11.204	-.00129	1.8495	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.00164**	**-.00865**	**.00163**	**.00654**	**.00132**
Stddev	.00016	.00104	.01892	.00039	.00020	.00048
%RSD	7.6637	63.431	218.74	23.595	3.1317	36.289
#1	.00221	.00090	-.02202	.00136	.00669	.00166
#2	.00198	.00237	.00473	.00191	.00640	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6787.0**	**77586.**	**6353.5**
Stddev	7.7	105.	74.8
%RSD	.11319	.13535	1.1771
#1	6792.4	77512.	6300.6
#2	6781.5	77660.	6406.4

Sample Name: 280-49176-b-3-a Acquired: 11/15/2013 7:10:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.10528**	**-.00245**	**.25972**	**.10710**	**-.00003**	**.00100**	**127.66**	**.00057**	**-.00003**
Stddev	.00018	.00027	.00047	.00175	.00247	.00005	.00184	2.37	.00018	.00015
%RSD	14.749	.25883	18.978	.67441	2.3062	131.28	183.11	1.8601	30.860	496.40
#1	-.00110	.10508	-.00212	.26096	.10536	.00000	-.00030	125.98	.00045	.00007
#2	-.00136	.10547	-.00278	.25849	.10885	-.00007	.00230	129.34	.00070	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00093**	**.11790**	**4.4515**	**.04755**	**39.734**	**.16206**	**.00381**	**199.22**	**.00156**
Stddev	.00017	.00005	.00347	.0563	.00023	.227	.00088	.00039	4.10	.00028
%RSD	80.992	5.6393	2.9408	1.2647	.47781	.57229	.54244	10.206	2.0605	18.214
#1	.00034	.00090	.11545	4.4117	.04771	39.573	.16144	.00409	196.32	.00136
#2	.00009	.00097	.12035	4.4913	.04739	39.894	.16268	.00354	202.12	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05750**	**.00062**	**153.50**	**-.00060**	**.00138**	**5.0968**	**10.907**	**-.00099**	**1.7954**	**.00260**
Stddev	.00260	.00039	.43	.00112	.00319	.1087	.233	.00044	.0341	.00021
%RSD	4.5206	62.845	.28245	187.47	231.21	2.1321	2.1321	44.097	1.9005	8.1217
#1	.05933	.00089	153.81	-.00139	-.00088	5.0199	10.743	-.00130	1.7712	.00245
#2	.05566	.00034	153.20	.00019	.00363	5.1736	11.071	-.00068	1.8195	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00205**	**.00103**	**.02362**	**.00149**	**.00671**	**.00034**
Stddev	.00018	.00028	.02001	.00018	.00056	.00056
%RSD	8.6015	27.140	84.720	11.870	8.3392	164.29
#1	.00192	.00083	.03777	.00136	.00710	.00073
#2	.00217	.00123	.00947	.00161	.00631	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6726.7**	**77398.**	**6629.1**
Stddev	11.1	138.	33.0
%RSD	.16468	.17883	.49818
#1	6718.9	77495.	6652.5
#2	6734.5	77300.	6605.8

Sample Name: 280-49176-b-4-a Acquired: 11/15/2013 7:12:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.16428**	**-.00212**	**.27732**	**.11006**	**.00001**	**.00189**	**141.97**	**.00070**	**-.00004**
Stddev	.00001	.00058	.00240	.00193	.00180	.00001	.00058	2.38	.00007	.00018
%RSD	.57499	.35096	112.95	.69500	1.6341	99.942	30.902	1.6786	10.485	422.03
#1	-.00147	.16469	-.00382	.27868	.11133	.00000	.00230	143.65	.00065	.00008
#2	-.00148	.16387	-.00043	.27596	.10879	.00003	.00147	140.28	.00075	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00080**	**.17110**	**4.7663**	**.04968**	**40.960**	**.22078**	**.00406**	**224.71**	**.00158**
Stddev	.00005	.00004	.00236	.0647	.00023	.011	.00016	.00029	2.92	.00028
%RSD	12.826	4.7139	1.3769	1.3574	.45448	.02638	.07159	7.0527	1.3007	17.547
#1	.00036	.00077	.17277	4.8120	.04984	40.968	.22089	.00427	226.77	.00178
#2	.00044	.00083	.16943	4.7205	.04952	40.952	.22067	.00386	222.64	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05460**	**-.00007**	**165.75**	**.00048**	**.00498**	**5.4761**	**11.719**	**-.00119**	**1.9632**	**.00201**
Stddev	.00039	.00039	.26	.00165	.00015	.0555	.119	.00026	.0318	.00134
%RSD	.71647	555.93	.15681	342.66	3.0304	1.0129	1.0129	21.833	1.6190	66.671
#1	.05432	.00020	165.94	.00165	.00488	5.5153	11.803	-.00101	1.9856	.00296
#2	.05488	-.00034	165.57	-.00069	.00509	5.4369	11.635	-.00137	1.9407	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**.00033**	**.01509**	**.00192**	**.00655**	**.00165**
Stddev	.00050	.00024	.01118	.00065	.00029	.00106
%RSD	10.985	72.139	74.100	34.047	4.5011	64.179
#1	.00418	.00016	.00718	.00146	.00634	.00090
#2	.00488	.00049	.02300	.00238	.00676	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6727.5**	**76736.**	**6222.0**
Stddev	23.3	41.	56.4
%RSD	.34688	.05278	.90580
#1	6711.0	76707.	6182.2
#2	6744.0	76765.	6261.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 7:15:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00838**	**48.226**	**-.00190**	**.00128**	**.00194**	**-.00005**	W **1.0827**	**.39101**	**.00093**	**-.00109**	**.00025**	**-.00848**
Stddev	.00016	2.705	.00006	.00053	.00178	.00011	.0007	.49204	.00029	.00004	.00017	.00010
%RSD	1.9102	5.6096	3.0653	41.117	91.762	193.04	.06559	125.84	31.733	3.2969	69.754	1.1896
#1	-.00826	50.139	-.00186	.00091	.00068	-.00013	1.0832	.04309	.00114	-.00106	.00012	-.00855
#2	-.00849	46.314	-.00195	.00165	.00320	.00002	1.0822	.73894	.00072	-.00111	.00037	-.00841
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.513**	**.13315**	**.00307**	**.06442**	**-.00024**	**.00078**	**268.61**	**-.00082**	**.00223**	**-.00427**	**5.1411**	**.00062**
Stddev	2.327	.01299	.00023	.00350	.00001	.00001	13.14	.00013	.00198	.00105	.0069	.00147
%RSD	4.6062	9.7547	7.4494	5.4392	2.8974	1.0963	4.8913	15.717	88.829	24.690	.13467	237.43
#1	52.158	.12397	.00291	.06690	-.00025	.00078	277.90	-.00091	.00363	-.00502	5.1362	-.00042
#2	48.868	.14234	.00323	.06194	-.00024	.00079	259.32	-.00073	.00083	-.00353	5.1459	.00166
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00539**	**.02253**	**.04821**	**-.00034**	**.00452**	**5.0188**	**.01293**	**.00227**	F **12.276**	**.00215**	**.00181**	**-.06919**
Stddev	.00148	.01730	.03701	.00038	.00565	.0076	.00077	.00024	.130	.00012	.00007	.00709
%RSD	27.380	76.777	76.777	113.52	124.91	.15127	5.9775	10.657	1.0591	5.7303	3.9511	10.242
#1	-.00434	.01030	.02204	-.00007	.00053	5.0241	.01347	.00244	12.368	.00206	.00176	-.06418
#2	-.00643	.03476	.07438	-.00061	.00852	5.0134	.01238	.00210	12.184	.00223	.00186	-.07420
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7135.5**	**80049.**	**6259.2**
Stddev	22.7	498.	275.6
%RSD	.31815	.62153	4.4028
#1	7119.5	80401.	6064.3
#2	7151.6	79698.	6454.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 7:17:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54066**	**.54184**	**1.0221**	**.52686**	**.51392**	**.46083**	**-.00965**	**4.6262**	**.48681**	**.50344**	**.53239**	**.51462**	**2.5058**
Stddev	.00015	.00008	.0011	.00064	.00077	.00020	.00050	.0033	.00022	.00086	.00051	.00023	.0099
%RSD	.02826	.01457	.10437	.12202	.15035	.04255	5.2306	.07051	.04575	.17095	.09494	.04550	.39584
#1	.54077	.54178	1.0213	.52641	.51447	.46069	-.01001	4.6239	.48697	.50405	.53275	.51478	2.4988
#2	.54055	.54190	1.0228	.52732	.51338	.46097	-.00929	4.6285	.48666	.50283	.53203	.51445	2.5128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.927**	**1.0191**	**20.114**	**.49613**	**.52250**	**5.3558**	**.53359**	**1.0496**	**.95419**	**.03171**	**1.0326**	**1.0523**	**4.8664**
Stddev	.029	.0001	.039	.00015	.00136	.0281	.00009	.0005	.00301	.00109	.0032	.0025	.0020
%RSD	.05896	.00562	.19622	.02983	.26045	.52400	.01739	.04671	.31527	3.4293	.30715	.23389	.04106
#1	49.948	1.0192	20.142	.49624	.52346	5.3359	.53366	1.0492	.95632	.03248	1.0349	1.0506	4.8650
#2	49.906	1.0191	20.086	.49603	.52154	5.3756	.53353	1.0499	.95206	.03094	1.0304	1.0541	4.8678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.414**	**1.0256**	**.49710**	**.00355**	**.50427**	**.99687**	**.01888**	**.48373**	**.49377**	**.48672**
Stddev	.004	.0019	.00075	.00057	.00062	.00193	.00860	.00044	.00103	.00156
%RSD	.04106	.18427	.15021	16.170	.12350	.19382	45.536	.09099	.20841	.31980
#1	10.411	1.0269	.49763	.00314	.50383	.99823	.01280	.48404	.49304	.48782
#2	10.417	1.0242	.49657	.00395	.50471	.99550	.02495	.48341	.49450	.48562
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7109.7**	**81421.**	**6463.2**
Stddev	7.2	319.	50.1
%RSD	.10143	.39228	.77552
#1	7104.6	81647.	6498.7
#2	7114.8	81195.	6427.8

Sample Name: CCB Acquired: 11/15/2013 7:19:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00060**	**-.00140**	**.00126**	**.00008**	**.00000**	**.00294**	**-.00502**	**-.00005**	**.00006**	**-.00018**	**-.00071**	**-.00030**
Stddev	.00049	.00111	.00067	.00000	.00011	.00013	.00180	.00412	.00001	.00017	.00006	.00006	.00060
%RSD	54.087	184.04	47.670	.14373	136.49	3768.1	61.328	82.130	24.095	298.36	32.568	7.7998	196.60
#1	-.00056	-.00018	-.00093	.00126	.00015	.00009	.00166	-.00793	-.00006	.00018	-.00014	-.00074	.00012
#2	-.00124	.00139	-.00188	.00126	.00000	-.00009	.00421	-.00210	-.00004	-.00006	-.00022	-.00067	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13495**	**.00109**	**.00258**	**.00007**	**.00001**	F **.20414**	**-.00040**	**-.00007**	**.00031**	**.02809**	**.00313**	**-.00024**	**.00535**
Stddev	.02302	.00204	.00042	.00004	.00006	.00074	.00015	.00060	.00019	.00170	.00014	.00014	.00557
%RSD	17.061	188.05	16.204	50.815	1071.4	.36456	38.765	860.18	61.694	6.0601	4.3523	59.495	104.18
#1	.11867	-.00036	.00287	.00004	.00005	.20361	-.00029	-.00049	.00044	.02689	.00303	-.00014	.00141
#2	.15123	.00253	.00228	.00009	-.00004	.20466	-.00051	.00035	.00017	.02930	.00322	-.00034	.00929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**-.00002**	**-.00006**	**.00381**	**.00008**	**.00047**	**-.01987**	**-.00087**	**.00283**	**.00103**
Stddev	.01193	.00055	.00009	.00030	.00034	.00064	.03549	.00075	.00000	.00114
%RSD	104.18	2542.8	145.37	7.8370	413.16	136.70	178.58	85.609	.03844	109.96
#1	.00301	.00036	.00000	.00360	.00032	.00002	-.04496	-.00140	.00283	.00023
#2	.01988	-.00041	-.00012	.00402	-.00016	.00093	.00522	-.00034	.00283	.00184
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7138.8**	**82028.**	**6462.7**
Stddev	25.4	646.	52.4
%RSD	.35625	.78745	.81005
#1	7120.8	81571.	6425.7
#2	7156.7	82484.	6499.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 7:21:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.11368**	**.01411**	**.10494**	**.01077**	**.00089**	**.11951**	**.19194**	**.00495**	**.01042**	**.01082**	**.01460**	**.10501**	**3.1210**
Stddev	.00023	.00064	.00008	.00038	.00028	.00005	.00039	.00128	.00009	.00025	.00006	.00046	.00040	.0674
%RSD	2.2354	.55974	.55688	.36679	2.6344	5.4238	.32501	.66546	1.8173	2.4466	.51285	3.1666	.37666	2.1609
#1	.01037	.11413	.01417	.10521	.01057	.00086	.11979	.19103	.00501	.01024	.01078	.01492	.10473	3.0734
#2	.01005	.11323	.01406	.10467	.01098	.00093	.11924	.19284	.00488	.01060	.01086	.01427	.10529	3.1687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**.21338**	**.01042**	**.02038**	**1.2266**	**.04408**	**3.0683**	**.00881**	**.02040**	**.01023**	**.01688**	**.50273**	**1.0758**	**.10543**
Stddev	.00072	.00298	.00008	.00007	.0006	.00033	.0053	.00060	.00178	.00068	.00493	.01147	.0245	.00030
%RSD	5.6949	1.3951	.78633	.32171	.04478	.75599	.17246	6.8444	8.7099	6.6290	29.230	2.2817	2.2817	.28169
#1	.01323	.21127	.01037	.02043	1.2262	.04385	3.0721	.00923	.01914	.00975	.02037	.49462	1.0585	.10564
#2	.01221	.21548	.01048	.02034	1.2270	.04432	3.0646	.00838	.02165	.01071	.01339	.51084	1.0932	.10522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.01690**	**.00975**	**.01658**	**.04259**	**.00955**	**.02523**	**.01472**
Stddev	.00023	.00092	.00013	.00009	.02156	.00006	.00011	.00057
%RSD	2.2818	5.4655	1.2841	.54294	50.623	.58352	.44497	3.8517
#1	.00987	.01756	.00984	.01665	.02734	.00951	.02531	.01513
#2	.01020	.01625	.00966	.01652	.05783	.00959	.02515	.01432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7316.8**	**83721.**	**6537.4**
Stddev	1.0	43.	32.8
%RSD	.01341	.05095	.50131
#1	7316.2	83691.	6560.6
#2	7317.5	83751.	6514.2

Sample Name: 280-49127-a-2-a Acquired: 11/15/2013 7:24:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.15547**	**-.00088**	**.07030**	**.01530**	**-.00004**	**.00303**	**18.504**	**-.00008**	**-.00017**
Stddev	.00009	.00020	.00247	.00073	.00007	.00009	.00088	.004	.00004	.00019
%RSD	6.5548	.12936	280.23	1.0381	.46222	227.11	28.984	.02024	53.486	107.08
#1	-.00131	.15561	.00087	.07082	.01525	.00002	.00241	18.501	-.00005	-.00031
#2	-.00144	.15533	-.00263	.06979	.01535	-.00010	.00365	18.506	-.00010	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01482**	**.03105**	**.09982**	**.69171**	**.00174**	**1.4563**	**.00221**	**.00033**	**4.8061**	**.00323**
Stddev	.00003	.00064	.00037	.03411	.00046	.0020	.00004	.00019	.0103	.00020
%RSD	.18599	2.0480	.36614	4.9317	26.329	.13505	1.8955	58.551	.21464	6.0707
#1	.01480	.03150	.10008	.71584	.00142	1.4577	.00218	.00046	4.7988	.00337
#2	.01484	.03060	.09956	.66759	.00207	1.4549	.00224	.00019	4.8134	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02326**	**.00058**	**4.0801**	**-.00007**	**.00146**	**2.6324**	**5.6334**	**-.00048**	**.05378**	**.00192**
Stddev	.00036	.00005	.0124	.00085	.00254	.0091	.0194	.00070	.00003	.00045
%RSD	1.5288	8.7053	.30272	1159.1	174.43	.34516	.34516	145.74	.05175	23.252
#1	.02351	.00061	4.0888	-.00068	.00325	2.6260	5.6196	-.00098	.05380	.00160
#2	.02301	.00054	4.0714	.00053	-.00034	2.6389	5.6471	.00001	.05376	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00001**	**.03026**	**.00072**	**.00999**	**.00663**
Stddev	.00032	.00105	.05110	.00008	.00006	.00177
%RSD	30.137	7760.0	168.89	11.304	.58120	26.666
#1	.00128	-.00075	.06640	.00078	.01003	.00788
#2	.00083	.00073	-.00588	.00066	.00994	.00538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7199.7**	**82730.**	**6531.9**
Stddev	2.8	396.	7.2
%RSD	.03943	.47844	.11012
#1	7197.7	82450.	6526.8
#2	7201.7	83010.	6536.9

Sample Name: 280-49177-c-11-a Acquired: 11/15/2013 7:27:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.14645**	**.00595**	**.10338**	**.30631**	**-.00001**	**-.00107**	**74.952**	**.00032**	**.01934**
Stddev	.00017	.00035	.00001	.00085	.00050	.00001	.00168	.219	.00005	.00006
%RSD	15.637	.23945	.20187	.82423	.16381	135.03	157.22	.29162	14.636	.32223
#1	-.00094	.14620	.00596	.10278	.30666	-.00001	-.00225	75.107	.00035	.01939
#2	-.00118	.14670	.00594	.10398	.30595	.00000	.00012	74.797	.00028	.01930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01287**	**.00083**	**.27360**	**1.3787**	**.03590**	**22.222**	**.32819**	**.00267**	**71.307**	**.00941**
Stddev	.00016	.00003	.00171	.0163	.00230	.092	.00106	.00017	.256	.00033
%RSD	1.2319	3.4813	.62603	1.1821	6.4022	.41266	.32323	6.1846	.35918	3.4748
#1	.01276	.00081	.27239	1.3902	.03753	22.158	.32744	.00279	71.488	.00964
#2	.01298	.00085	.27481	1.3672	.03428	22.287	.32894	.00256	71.126	.00918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04190**	**-.00048**	**13.592**	**-.00037**	**.00155**	**13.216**	**28.281**	**-.00068**	**.47261**	**.00134**
Stddev	.00106	.00081	.083	.00210	.00297	.029	.062	.00023	.00062	.00192
%RSD	2.5315	167.75	.60950	569.94	192.11	.21962	.21962	34.463	.13080	143.36
#1	.04265	-.00106	13.533	-.00186	-.00055	13.236	28.325	-.00084	.47305	-.00002
#2	.04115	.00009	13.650	.00112	.00365	13.195	28.238	-.00051	.47217	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.00162**	**.03218**	**.00092**	**.00958**	**-.00032**
Stddev	.00025	.00078	.02100	.00030	.00009	.00061
%RSD	8.4991	48.120	65.260	31.923	.96497	192.91
#1	.00314	.00218	.04702	.00113	.00951	-.00075
#2	.00278	.00107	.01733	.00072	.00964	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.1**	**79709.**	**6441.2**
Stddev	16.8	366.	49.5
%RSD	.24465	.45899	.76898
#1	6891.0	79968.	6406.1
#2	6867.2	79450.	6476.2

Sample Name: 280-49177-c-12-a Acquired: 11/15/2013 7:29:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**.00557**	**-.00180**	**.00064**	**.00036**	**-.00007**	**.00102**	**.03193**	**.00002**	**-.00012**
Stddev	.00013	.00012	.00224	.00023	.00035	.00000	.00043	.00022	.00014	.00014
%RSD	9.7572	2.0783	124.40	35.703	97.451	2.2680	42.201	.68255	876.25	115.41
#1	-.00139	.00549	-.00338	.00080	.00061	-.00007	.00132	.03208	-.00009	-.00022
#2	-.00121	.00565	-.00022	.00048	.00011	-.00007	.00071	.03177	.00012	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00103**	**.01539**	**.11753**	**.00147**	**.00573**	**.00044**	**-.00009**	**.22449**	**-.00018**
Stddev	.00007	.00027	.00116	.01357	.00065	.00080	.00004	.00012	.00325	.00005
%RSD	262.51	26.500	7.5409	11.544	44.244	14.023	9.8058	125.20	1.4474	30.867
#1	.00002	.00122	.01622	.12713	.00193	.00629	.00041	-.00001	.22679	-.00021
#2	-.00007	.00084	.01457	.10794	.00101	.00516	.00047	-.00018	.22220	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00560**	**.02217**	**.00114**	**-.00201**	**.01021**	**.02184**	**-.00031**	**.00007**	**.00183**
Stddev	.00006	.00139	.00222	.00172	.00348	.01297	.02776	.00031	.00000	.00286
%RSD	9.6834	24.898	10.006	151.28	172.97	127.09	127.09	100.83	2.7437	156.69
#1	-.00067	.00461	.02374	-.00008	.00045	.01938	.04147	-.00009	.00007	-.00020
#2	-.00058	.00658	.02061	.00236	-.00447	.00103	.00221	-.00053	.00007	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00008**	**-.01890**	**.00014**	**.00671**	**-.00001**
Stddev	.00044	.00052	.05187	.00002	.00005	.00004
%RSD	146.60	637.86	274.43	16.156	.73295	745.37
#1	.00061	-.00045	.01778	.00016	.00674	.00002
#2	-.00001	.00029	-.05558	.00012	.00667	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7147.7**	**82489.**	**6429.2**
Stddev	.1	56.	6.9
%RSD	.00085	.06774	.10685
#1	7147.6	82449.	6434.0
#2	7147.7	82528.	6424.3

Sample Name: 280-49177-c-13-a Acquired: 11/15/2013 7:32:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.03227**	**-.00040**	**.00103**	**.00090**	**-.00006**	**.00166**	**.28661**	**-.00005**	**-.00023**
Stddev	.00015	.00005	.00239	.00065	.00016	.00003	.00108	.00032	.00006	.00030
%RSD	13.173	.16602	594.38	63.193	17.450	58.517	65.033	.10997	126.86	129.02
#1	-.00126	.03224	-.00209	.00057	.00101	-.00008	.00089	.28638	-.00001	-.00044
#2	-.00104	.03231	.00129	.00149	.00078	-.00003	.00242	.28683	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00116**	**.03025**	**.11919**	**.00033**	**.01128**	**.00029**	**-.00030**	**.80726**	**-.00003**
Stddev	.00004	.00051	.00526	.02422	.00173	.00282	.00000	.00014	.00811	.00023
%RSD	16.028	44.399	17.395	20.322	518.26	24.981	.22467	47.179	1.0050	667.10
#1	.00025	.00079	.03397	.10206	-.00089	.01327	.00029	-.00020	.81300	-.00020
#2	.00031	.00152	.02653	.13631	.00155	.00929	.00029	-.00040	.80153	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00007**	**.01502**	**-.00061**	**.00047**	**1.5211**	**3.2551**	**-.00019**	**.00041**	**.00252**
Stddev	.00146	.00004	.00155	.00117	.00012	.0035	.0075	.00035	.00001	.00081
%RSD	555.77	61.348	10.329	191.70	25.152	.23069	.23069	183.38	2.2776	32.219
#1	-.00077	.00010	.01611	-.00144	.00039	1.5186	3.2498	.00006	.00041	.00310
#2	.00129	.00004	.01392	.00022	.00056	1.5236	3.2604	-.00044	.00042	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00004**	**-.04698**	**-.00045**	**.00400**	**.00080**
Stddev	.00001	.00001	.00726	.00047	.00047	.00143
%RSD	1.7066	23.416	15.453	104.47	11.819	179.08
#1	.00049	.00004	-.05211	-.00012	.00434	-.00021
#2	.00048	.00005	-.04184	-.00078	.00367	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7191.3**	**82779.**	**6457.7**
Stddev	5.6	205.	103.9
%RSD	.07856	.24760	1.6085
#1	7187.3	82634.	6384.2
#2	7195.3	82924.	6531.1

Sample Name: 280-49089-a-2-a Acquired: 11/15/2013 7:34:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.37324**	**.00142**	**.18374**	**.10732**	**.00009**	**.00568**	**49.517**	**.00060**	**.00036**
Stddev	.00004	.00029	.00179	.00032	.00158	.00025	.00068	.108	.00003	.00019
%RSD	7.3221	.07744	126.53	.17403	1.4750	274.90	12.047	.21720	4.3278	54.272
#1	-.00057	.37344	.00015	.18351	.10620	-.00009	.00616	49.594	.00059	.00022
#2	-.00051	.37303	.00268	.18396	.10844	.00027	.00519	49.441	.00062	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.12547**	**.68455**	**15.244**	**.02531**	**10.166**	**.15438**	**.00100**	**55.873**	**.00324**
Stddev	.00011	.00010	.04539	.051	.00124	.044	.00045	.00004	.208	.00012
%RSD	4.4221	.07577	6.6299	.33157	4.9063	.43762	.28895	4.1017	.37269	3.5873
#1	.00230	.12540	.65246	15.280	.02443	10.197	.15469	.00097	55.726	.00332
#2	.00245	.12553	.71664	15.208	.02619	10.135	.15406	.00103	56.021	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1434**	**.00250**	**17.087**	**.00141**	**.00472**	**7.7055**	**16.490**	**.00377**	**.36160**	**.00267**
Stddev	.0037	.00021	.015	.00072	.00231	.0386	.083	.00031	.00022	.00230
%RSD	.06006	8.4514	.08866	50.945	48.983	.50125	.50125	8.2767	.05957	86.164
#1	6.1460	.00235	17.098	.00192	.00636	7.6782	16.431	.00355	.36145	.00430
#2	6.1407	.00265	17.077	.00090	.00309	7.7328	16.548	.00399	.36175	.00104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05298**	**.00049**	**-.03835**	**.00529**	**.11873**	**.00436**
Stddev	.00108	.00138	.03147	.00018	.00004	.00071
%RSD	2.0390	279.89	82.061	3.3717	.03079	16.365
#1	.05222	.00147	-.06060	.00516	.11870	.00486
#2	.05374	-.00048	-.01610	.00541	.11875	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.8**	**80598.**	**6507.4**
Stddev	21.0	220.	32.9
%RSD	.30127	.27309	.50613
#1	6984.6	80442.	6484.1
#2	6954.9	80754.	6530.7

Sample Name: 280-49089-a-4-b Acquired: 11/15/2013 7:36:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00984**	**-.00218**	**.00663**	**.00169**	**-.00006**	**.00252**	**.16055**	**-.00001**	**-.00009**
Stddev	.00007	.00004	.00027	.00011	.00007	.00007	.00190	.00700	.00013	.00001
%RSD	6.7919	.45296	12.487	1.5956	3.9041	116.66	75.385	4.3577	1077.9	7.2130
#1	-.00106	.00987	-.00237	.00670	.00174	-.00011	.00118	.16549	.00008	-.00009
#2	-.00096	.00981	-.00198	.00655	.00164	-.00001	.00387	.15560	-.00011	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00863**	**.00579**	**.10327**	**.00197**	**.00993**	**.00048**	**-.00005**	**.23981**	**.00007**
Stddev	.00008	.00068	.00116	.00817	.00244	.00263	.00009	.00004	.00731	.00044
%RSD	80.371	7.9169	20.025	7.9159	123.55	26.465	19.598	69.412	3.0485	602.63
#1	.00004	.00815	.00497	.09749	.00370	.01179	.00041	-.00008	.24498	-.00024
#2	.00016	.00911	.00661	.10905	.00025	.00807	.00054	-.00003	.23465	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00016**	**.03731**	**.00095**	**-.00092**	**.02685**	**.05746**	**-.00063**	**.00087**	**-.00011**
Stddev	.00134	.00008	.00185	.00113	.00083	.00003	.00006	.00032	.00012	.00026
%RSD	18.308	50.187	4.9693	119.37	89.848	.09866	.09866	51.018	13.484	247.64
#1	.00635	-.00010	.03600	.00015	-.00150	.02683	.05742	-.00085	.00095	-.00029
#2	.00824	-.00021	.03862	.00175	-.00034	.02687	.05750	-.00040	.00079	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00071**	**.01451**	**-.00043**	**.02007**	**.00191**
Stddev	.00019	.00086	.00526	.00033	.00005	.00215
%RSD	211.84	121.47	36.239	76.650	.23783	112.71
#1	.00004	.00131	.01823	-.00066	.02010	.00039
#2	-.00022	.00010	.01079	-.00020	.02004	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7255.7**	**84153.**	**6627.1**
Stddev	34.8	223.	6.9
%RSD	.48028	.26455	.10403
#1	7280.4	84310.	6622.2
#2	7231.1	83996.	6631.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 7:39:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00818**	**47.855**	**.00016**	**.00036**	**.00028**	**-.00005**	F **1.1173**	**.01469**	**.00105**	**-.00139**	**.00025**	**-.00795**
Stddev	.00000	.353	.00200	.00021	.00022	.00001	.0000	.00133	.00009	.00002	.00000	.00090
%RSD	.03926	.73816	1253.0	59.352	79.207	17.716	.00031	9.0261	8.4920	1.6517	.54378	11.287
#1	-.00818	48.105	.00157	.00051	.00043	-.00006	1.1173	.01375	.00111	-.00140	.00025	-.00858
#2	-.00817	47.605	-.00125	.00021	.00012	-.00005	1.1173	.01562	.00099	-.00137	.00025	-.00732
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.802**	**.06780**	**.00222**	**.06364**	**-.00028**	**.00079**	**266.85**	**-.00084**	**.00151**	**-.00410**	W **5.2549**	**-.00011**
Stddev	.325	.00038	.00062	.00075	.00005	.00017	2.03	.00027	.00088	.00064	.0188	.00021
%RSD	.65168	.56310	28.066	1.1843	18.749	21.316	.75920	31.814	58.087	15.613	.35862	188.44
#1	50.032	.06753	.00266	.06417	-.00024	.00091	268.29	-.00065	.00089	-.00455	5.2682	.00004
#2	49.573	.06807	.00178	.06311	-.00032	.00067	265.42	-.00103	.00213	-.00364	5.2415	-.00026
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00605**	**-.01343**	**-.02875**	**-.00038**	**.00007**	**5.1092**	**.01411**	**.00313**	F **12.661**	**.00165**	**.00163**	**-.07218**
Stddev	.00282	.02151	.04602	.00016	.00002	.0175	.00006	.00004	.010	.00013	.00056	.00287
%RSD	46.680	160.10	160.10	41.865	30.420	.34250	.44694	1.2567	.07889	8.1062	34.113	3.9828
#1	-.00405	.00177	.00380	-.00027	.00005	5.1215	.01407	.00310	12.654	.00156	.00203	-.07421
#2	-.00805	-.02864	-.06129	-.00049	.00008	5.0968	.01416	.00316	12.668	.00175	.00124	-.07015
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7037.8**	**79780.**	**6480.2**
Stddev	7.5	275.	53.8
%RSD	.10717	.34424	.82975
#1	7043.1	79585.	6442.2
#2	7032.5	79974.	6518.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 7:41:31 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54574**	F **.55470**	**1.0356**	**.53676**	**.52124**	**.46860**	**-.00780**	**4.6152**	**.49553**	**.50974**	**.54143**	**.52138**	**2.5172**
Stddev	.00269	.00612	.0067	.00227	.00095	.00086	.00078	.0225	.00002	.00033	.00005	.00221	.0103
%RSD	.49378	1.1028	.64555	.42287	.18154	.18439	9.9673	.48775	.00378	.06418	.00889	.42460	.40834
#1	.54764	.55038	1.0403	.53836	.52191	.46921	-.00835	4.5993	.49554	.50997	.54139	.52294	2.5100
#2	.54383	.55903	1.0308	.53515	.52057	.46799	-.00725	4.6311	.49552	.50951	.54146	.51981	2.5245
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.422**	**1.0371**	**20.333**	**.50033**	**.52960**	**5.3850**	**.54261**	**1.0686**	**.96400**	**.00930**	**1.0483**	**1.0694**	**4.8809**
Stddev	.023	.0001	.043	.00063	.00287	.0403	.00015	.0145	.00267	.00160	.0047	.0042	.0216
%RSD	.04659	.01201	.20902	.12621	.54156	.74910	.02709	1.3564	.27712	17.232	.44438	.39430	.44204
#1	50.439	1.0371	20.363	.50077	.52757	5.4135	.54251	1.0583	.96211	.01043	1.0450	1.0664	4.8657
#2	50.405	1.0370	20.303	.49988	.53163	5.3565	.54271	1.0788	.96589	.00817	1.0516	1.0724	4.8962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.445**	**1.0380**	**.50498**	**.00658**	**.51071**	**1.0094**	**-.00536**	**.49116**	**.50432**	**.48823**
Stddev	.046	.0054	.00076	.00018	.00038	.0062	.01064	.00098	.00002	.00074
%RSD	.44204	.51724	.15131	2.7768	.07530	.61473	198.44	.20005	.00430	.15086
#1	10.413	1.0342	.50552	.00671	.51099	1.0050	.00216	.49185	.50430	.48771
#2	10.478	1.0418	.50444	.00645	.51044	1.0138	-.01289	.49046	.50433	.48875
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7043.9**	**80953.**	**6507.9**
Stddev	2.4	180.	23.0
%RSD	.03431	.22219	.35409
#1	7045.6	80826.	6491.6
#2	7042.2	81080.	6524.2

Sample Name: CCB Acquired: 11/15/2013 7:43:41 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00106**	**.00030**	**-.00052**	**.00119**	**-.00013**	**-.00004**	**.00168**	**-.00301**	**.00002**	**-.00027**	**-.00007**
Stddev	.00058	.00037	.00029	.00023	.00059	.00005	.00117	.00051	.00026	.00016	.00010
%RSD	54.861	125.86	56.310	19.732	467.26	140.66	69.155	17.012	1325.1	59.049	133.08
#1	-.00065	.00056	-.00072	.00136	.00029	.00000	.00086	-.00265	-.00017	-.00016	-.00014
#2	-.00147	.00003	-.00031	.00102	-.00054	-.00007	.00251	-.00338	.00021	-.00039	.00000
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00003**	**.10870**	**.00241**	**.00119**	**.00002**	**.00004**	W **.16516**	**.00004**	**-.00044**	**-.00019**
Stddev	.00053	.00056	.03637	.00021	.00042	.00008	.00015	.00160	.00013	.00117	.00075
%RSD	90.106	2202.4	33.463	8.6417	35.628	327.23	432.93	.97101	344.66	263.85	387.14
#1	-.00021	-.00037	.08298	.00255	.00089	-.00003	-.00007	.16630	.00013	-.00127	.00034
#2	-.00097	.00042	.13442	.00226	.00149	.00008	.00014	.16403	-.00005	.00038	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.00264**	**-.00035**	**.00237**	**.00508**	**-.00066**	**-.00010**	**.00282**	**.00016**	**.00025**	**-.04747**
Stddev	.00274	.00011	.00076	.00633	.01354	.00070	.00010	.00058	.00021	.00036	.03970
%RSD	27.539	4.0718	216.91	266.79	266.79	106.01	101.69	20.421	133.04	143.06	83.624
#1	.01188	.00271	.00019	.00685	.01465	-.00115	-.00003	.00241	.00031	.00000	-.07554
#2	.00801	.00256	-.00089	-.00210	-.00450	-.00016	-.00017	.00322	.00001	.00050	-.01940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00004**	**.00337**	**.00140**
Stddev	.00038	.00030	.00090
%RSD	1024.0	9.0280	64.250
#1	-.00030	.00315	.00076
#2	.00023	.00358	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7123.1**	**81772.**	**6443.4**
Stddev	24.9	161.	43.5
%RSD	.34936	.19708	.67501
#1	7105.5	81886.	6412.7
#2	7140.7	81658.	6474.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 7:46:02 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01052**	**.11596**	**.01488**	**.10769**	**.01068**	**.00093**	**.12323**	**.18527**	**.00509**	**.01079**	**.01110**	**.01523**	**.10221**
Stddev	.00004	.00020	.00063	.00054	.00013	.00006	.00135	.00039	.00023	.00009	.00006	.00011	.00008
%RSD	.33351	.16972	4.2116	.50596	1.2391	6.5939	1.0920	.21262	4.4474	.79374	.52672	.70417	.07428
#1	.01050	.11582	.01443	.10808	.01059	.00097	.12418	.18500	.00525	.01072	.01114	.01516	.10216
#2	.01055	.11610	.01532	.10731	.01077	.00089	.12228	.18555	.00493	.01085	.01106	.01531	.10227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0815**	**.01105**	**.21971**	**.01059**	**.02055**	**1.2134**	**.04518**	**3.1587**	**.00761**	**.00706**	**.01090**	**.01745**	**.49485**
Stddev	.0778	.00041	.00182	.00002	.00005	.0028	.00016	.0043	.00117	.00164	.00003	.00092	.00695
%RSD	2.5242	3.6876	.82698	.23155	.24107	.23246	.36372	.13780	15.315	23.217	.31548	5.2931	1.4045
#1	3.0265	.01134	.22099	.01060	.02059	1.2154	.04530	3.1556	.00679	.00590	.01088	.01810	.48994
#2	3.1364	.01076	.21843	.01057	.02052	1.2114	.04507	3.1618	.00843	.00822	.01093	.01679	.49977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0590**	**.10762**	**.01006**	**.01668**	**.00999**	**.01754**	F **.08137**	**.00966**	**.02596**	**.01499**
Stddev	.0149	.00167	.00012	.00048	.00009	.00045	.03197	.00013	.00017	.00124
%RSD	1.4045	1.5502	1.1871	2.9036	.92000	2.5372	39.293	1.3424	.66323	8.2930
#1	1.0485	.10880	.00998	.01702	.00993	.01786	.10398	.00975	.02583	.01587
#2	1.0695	.10644	.01014	.01634	.01006	.01723	.05876	.00956	.02608	.01412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7269.6**	**83594.**	**6630.7**
Stddev	2.4	184.	43.1
%RSD	.03280	.22060	.64955
#1	7271.3	83463.	6661.2
#2	7268.0	83724.	6600.3

Method(s):

245.1 **245.1_DW**

7470A 7471A **7471B**

Applicable QC Batches: 200988

Mercury Analysis Raw Data Checklist

Analyst's Checklist

		yes	no	n/a
1.	Were the special instructions for prep and/or analysis followed?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is the blank less than one-half the reporting limit or properly anomalized?	☑	☐	☐
4.	Are the LCSs within limits or properly anomalized?	☑	☐	☐
5.	Are the ICV and all CCVs within limits?	☑	☐	☐
6.	Are the ICB and all CCBs within ± one-half the reporting limit from zero?	☑	☐	☐
7.	Were the CCVs and CCBs run with at most 10 samples between each set?	☑	☐	☐
8.	Are the reporting limits correct and reflect any dilutions?	☑	☐	☐
9.	Are the benchsheets complete (including calibration and standard verification #'s)?	☑	☐	☐
10.	Are all comments, footnotes, and anomalies properly documented?	☑	☐	☐
11.	Are holding time violation forms completed and attached?	☑	☐	☐
12.	Have all sample data been entered into LIMS?	☑	☐	☐
13.	Have all QC data been entered into LIMS?	☑	☐	☐
14.	Have the data entered into LIMS been checked for errors?	☑	☐	☐
15.	For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☐	☑
16.	Are all passing CRAs set to acceptable?	☑	☐	☐
17.	Is the PDF attached?	☑	☐	☐

Analyst's Name: Joe Mooney Date: 11/14/13

Data Review's Checklist

		yes	no	n/a
1.	Have the calculations been checked?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4.	Are all the significant figures and reporting limits correct?	☑	☐	☐
5.	Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6.	Have any data errors been documented and entered into LIMS?	☑	☐	☐
7.	Is prep date correct in LIMS?	☑	☐	☐
8.	If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☑	☐	☐

Reviewed by: Cm Trelle Date: 11/15/13

Comments: _____

Anomalies: _____

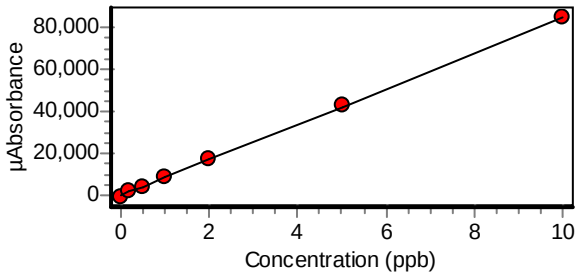
Report Generated By CETAC QuickTrace
Analyst: MooneyJ
Worksheet file: C:\Program Files\QuickTrace\Worksheets\2013\11-NOV\131113aa.wsz
Date Started: 11/13/2013 4:42:27 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	11/13/13 05:33:34 pm	0.000	-682	2.96		1.00	1.00	1.00
Std1	STD	11/13/13 05:35:52 pm	0.200	1713	0.42		1.00	1.00	1.00
Std2	STD	11/13/13 05:38:10 pm	0.500	4328	0.33		1.00	1.00	1.00
Std3	STD	11/13/13 05:40:29 pm	1.000	8677	0.53		1.00	1.00	1.00
Std4	STD	11/13/13 05:42:48 pm	2.000	17139	0.18		1.00	1.00	1.00
Std5	STD	11/13/13 05:45:08 pm	5.000	42829	0.08		1.00	1.00	1.00
Std6	STD	11/13/13 05:47:28 pm	10.000	84208	0.27		1.00	1.00	1.00

Calibration

Equation: A = 21.296 + 8452.581C
R2: 0.99983
SEE: 447.2808
Flags:



ICV 2378630	ICV	11/13/13 05:57:56 pm	4.232	35790	0.36		1.00	1.00	1.00
% Recovery 105.79									
ICB	ICB	11/13/13 06:01:34 pm	-0.001	9	44.22		1.00	1.00	1.00
CRA 2378631	CRDL	11/13/13 06:06:23 pm	0.203	1739	0.27		1.00	1.00	1.00
% Recovery 101.60									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 2378629	CCV	11/13/13 06:08:43 pm	5.141	43472	0.27		1.00	1.00
% Recovery 102.81							1.00	
CCB	CCB	11/13/13 06:11:00 pm	-0.003	-6	54.59		1.00	1.00
							1.00	
MB 280-200319/1-A	UNK	11/13/13 06:13:17 pm	-0.004	-13	20.64		1.00	1.00
							1.00	
LCS 280-200319/2-A	UNK	11/13/13 06:18:01 pm	5.118	43278	0.08		1.00	1.00
							1.00	
280-49047-A-2-G	UNK	11/13/13 06:20:18 pm	0.743	6302	0.51		1.00	1.00
							1.00	
280-49047-A-2-G sd@5	UNK	11/13/13 06:22:36 pm	0.160	1371	0.65		1.00	1.00
							1.00	
280-49047-A-2-H MS	UNK	11/13/13 06:24:54 pm	5.024	42487	0.10		1.00	1.00
							1.00	
280-49047-A-2-I MSD	UNK	11/13/13 06:27:12 pm	4.874	41222	0.89		1.00	1.00
							1.00	
280-49047-A-3-C	UNK	11/13/13 06:29:31 pm	1.362	11533	0.95		1.00	1.00
							1.00	
280-49047-A-4-C	UNK	11/13/13 06:31:49 pm	0.325	2767	0.54		1.00	1.00
							1.00	
280-49047-A-5-C	UNK	11/13/13 06:34:09 pm	0.191	1632	0.17		1.00	1.00
							1.00	
280-49047-A-6-C	UNK	11/13/13 06:36:28 pm	0.859	7283	0.46		1.00	1.00
							1.00	
CCV 2378629	CCV	11/13/13 06:38:48 pm	5.309	44897	0.48		1.00	1.00
% Recovery 106.18							1.00	
CCB	CCB	11/13/13 06:41:04 pm	-0.003	-2	38.33		1.00	1.00
							1.00	
280-49047-A-7-C	UNK	11/13/13 06:43:24 pm	0.340	2897	0.41		1.00	1.00
							1.00	
280-49047-A-8-C	UNK	11/13/13 06:45:44 pm	1.148	9723	1.02		1.00	1.00
							1.00	
280-49047-A-9-C	UNK	11/13/13 06:48:01 pm	1.583	13400	0.64		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
MB 280-199719/1-A	UNK	11/13/13 06:50:17 pm	-0.015	-103	6.10		1.00	1.00	1.00
LCS 280-199719/2-A	UNK	11/13/13 06:52:34 pm	3.848	32549	0.51		1.00	1.00	1.00
280-48486-A-1-F	UNK	11/13/13 06:54:52 pm	0.132	1138	0.18		1.00	1.00	1.00
280-48651-A-1-D	UNK	11/13/13 06:57:09 pm	0.216	1847	0.20		1.00	1.00	1.00
280-48651-A-2-B	UNK	11/13/13 06:59:27 pm	0.073	635	0.73		1.00	1.00	1.00
280-48651-A-3-B	UNK	11/13/13 07:01:45 pm	0.238	2030	0.48		1.00	1.00	1.00
280-48651-A-4-B	UNK	11/13/13 07:04:04 pm	0.216	1849	0.22		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:06:23 pm	5.414	45781	0.18		1.00	1.00	1.00
% Recovery 108.27									
CCB	CCB	11/13/13 07:08:40 pm	-0.004	-10	26.42		1.00	1.00	1.00
280-48651-A-5-B	UNK	11/13/13 07:10:59 pm	0.082	716	0.45		1.00	1.00	1.00
280-48651-A-5-B sd@5	UNK	11/13/13 07:13:18 pm	0.014	139	1.39		1.00	1.00	1.00
280-48651-A-5-C MS	UNK	11/13/13 07:15:37 pm	5.452	46106	0.58		1.00	1.00	1.00
280-48651-A-5-D MSD	UNK	11/13/13 07:18:23 pm	5.186	43857	0.20		1.00	1.00	1.00
LCS 280-199719/2-A	UNK	11/13/13 07:20:40 pm	4.360	36877	0.16		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:22:59 pm	5.372	45429	0.22		1.00	1.00	1.00
% Recovery 107.44									
CCB	CCB	11/13/13 07:25:16 pm	-0.007	-35	8.51		1.00	1.00	1.00
MB 280-199718/1-A	UNK	11/13/13 07:27:33 pm	-0.008	-44	13.74		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
LCS 280-199718/2-A	UNK	11/13/13 07:29:50 pm	4.107	34733	0.46		1.00	1.00	1.00
280-48840-A-1-B	UNK	11/13/13 07:32:07 pm	0.441	3753	0.18		1.00	1.00	1.00
280-48840-A-2-B	UNK	11/13/13 07:34:24 pm	0.141	1211	0.19		1.00	1.00	1.00
280-48840-A-3-B	UNK	11/13/13 07:36:41 pm	0.064	566	0.59		1.00	1.00	1.00
280-48840-A-4-B	UNK	11/13/13 07:38:59 pm	0.216	1845	0.35		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:41:19 pm	5.413	45778	0.16		1.00	1.00	1.00
% Recovery 108.27									
CCB	CCB	11/13/13 07:43:36 pm	-0.002	4	105.30		1.00	1.00	1.00
280-48840-A-5-D	UNK	11/13/13 07:45:54 pm	0.119	1023	0.39		1.00	1.00	1.00
280-48840-A-5-D sd@5	UNK	11/13/13 07:48:12 pm	0.026	240	0.64		1.00	1.00	1.00
280-48840-A-5-E MS	UNK	11/13/13 07:50:31 pm	5.270	44563	0.27		1.00	1.00	1.00
280-48840-A-5-F MSD	UNK	11/13/13 07:52:50 pm	5.122	43317	0.34		1.00	1.00	1.00
280-48840-A-6-B	UNK	11/13/13 07:55:09 pm	0.070	612	0.06		1.00	1.00	1.00
280-48840-A-7-B	UNK	11/13/13 07:57:29 pm	0.657	5577	0.23		1.00	1.00	1.00
280-48840-A-8-B	UNK	11/13/13 07:59:46 pm	0.388	3298	0.16		1.00	1.00	1.00
280-48840-A-9-B	UNK	11/13/13 08:02:03 pm	0.201	1717	0.12		1.00	1.00	1.00
280-48840-A-10-B	UNK	11/13/13 08:04:20 pm	0.088	768	0.15		1.00	1.00	1.00
280-48840-A-11-B	UNK	11/13/13 08:06:37 pm	0.183	1564	0.30		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCV 2378629	CCV	11/13/13 08:08:57 pm	5.455	46127	0.36		1.00	1.00	1.00
% Recovery 109.09									
CCB	CCB	11/13/13 08:11:14 pm	-0.003	0	281.45		1.00	1.00	1.00
280-48840-A-12-B	UNK	11/13/13 08:13:31 pm	0.289	2460	0.32		1.00	1.00	1.00
280-48840-A-13-B	UNK	11/13/13 08:15:49 pm	0.041	370	0.80		1.00	1.00	1.00
280-48840-A-14-B	UNK	11/13/13 08:18:07 pm	0.194	1662	0.23		1.00	1.00	1.00
280-48840-A-15-B	UNK	11/13/13 08:20:26 pm	0.190	1626	0.50		1.00	1.00	1.00
280-48840-A-16-B	UNK	11/13/13 08:22:45 pm	0.193	1650	0.31		1.00	1.00	1.00
280-48840-A-17-B	UNK	11/13/13 08:25:04 pm	0.061	536	0.30		1.00	1.00	1.00
MB 280-200317/1-A	UNK	11/13/13 08:27:23 pm	0.002	37	13.41		1.00	1.00	1.00
LCS 280-200317/2-A	UNK	11/13/13 08:29:42 pm	4.247	35923	0.17		1.00	1.00	1.00
280-48987-A-1-E	UNK	11/13/13 08:32:00 pm	0.154	1324	0.26		1.00	1.00	1.00
280-48987-A-1-E sd@5	UNK	11/13/13 08:34:17 pm	0.032	290	1.36		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 08:36:37 pm	5.456	46136	0.41		1.00	1.00	1.00
% Recovery 109.11									
CCB	CCB	11/13/13 08:38:54 pm	-0.005	-18	23.40		1.00	1.00	1.00
280-48987-A-1-F MS	UNK	11/13/13 08:41:11 pm	5.494	46461	0.17		1.00	1.00	1.00
280-48987-A-1-G MSD	UNK	11/13/13 08:43:28 pm	5.425	45873	0.45		1.00	1.00	1.00
280-48987-A-2-C	UNK	11/13/13 08:45:46 pm	0.042	376	0.71		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48987-A-4-C	UNK	11/13/13 08:48:04 pm	0.088	767	0.49		1.00	1.00	1.00
280-48987-A-5-C	UNK	11/13/13 08:50:22 pm	0.079	692	0.11		1.00	1.00	1.00
280-48987-A-7-C	UNK	11/13/13 08:52:40 pm	0.279	2379	0.14		1.00	1.00	1.00
280-48987-A-8-C	UNK	11/13/13 08:54:59 pm	0.046	407	0.49		1.00	1.00	1.00
280-49040-A-1-C	UNK	11/13/13 08:57:18 pm	0.134	1152	0.46		1.00	1.00	1.00
280-49040-A-2-C	UNK	11/13/13 08:59:37 pm	0.040	361	0.84		1.00	1.00	1.00
280-49040-A-4-C	UNK	11/13/13 09:01:57 pm	0.115	997	0.47		1.00	1.00	1.00
CCV 2378629 % Recovery 109.80	CCV	11/13/13 09:04:16 pm	5.490	46427	0.31		1.00	1.00	1.00
CCB	CCB	11/13/13 09:06:33 pm	0.000	19	8.84		1.00	1.00	1.00
280-49040-A-5-C	UNK	11/13/13 09:08:51 pm	0.048	426	0.71		1.00	1.00	1.00
MB 280-200734/1-A	UNK	11/13/13 09:11:09 pm	-0.002	8	9.57		1.00	1.00	1.00
LCS 280-200734/2-A	UNK	11/13/13 09:13:26 pm	5.410	45747	0.31		1.00	1.00	1.00
280-48835-A-1-B	UNK	11/13/13 09:15:44 pm	0.377	3210	0.43		1.00	1.00	1.00
280-48835-A-1-B sd@5	UNK	11/13/13 09:18:02 pm	0.080	698	0.42		1.00	1.00	1.00
280-48835-A-1-C MS	UNK	11/13/13 09:20:20 pm	5.662	47882	0.21		1.00	1.00	1.00
280-48835-A-1-D MSD	UNK	11/13/13 09:22:38 pm	5.545	46886	0.28		1.00	1.00	1.00
280-48835-A-2-B	UNK	11/13/13 09:24:56 pm	0.086	744	0.12		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48835-A-4-B	UNK	11/13/13 09:27:15 pm	0.224	1918	0.38		1.00	1.00	1.00
280-48835-A-6-B	UNK	11/13/13 09:29:34 pm	0.126	1087	0.05		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 09:31:54 pm	5.514	46631	0.22		1.00	1.00	1.00
% Recovery 110.28									
CCB	CCB	11/13/13 09:34:11 pm	-0.004	-13	8.62		1.00	1.00	1.00
280-48835-A-7-B	UNK	11/13/13 09:36:30 pm	0.044	397	0.68		1.00	1.00	1.00
280-48835-A-9-B	UNK	11/13/13 09:38:50 pm	0.066	578	0.48		1.00	1.00	1.00
280-49098-A-1-A	UNK	11/13/13 09:41:08 pm	0.134	1154	0.67		1.00	1.00	1.00
280-49098-A-2-A	UNK	11/13/13 09:43:26 pm	0.147	1267	0.23		1.00	1.00	1.00
280-49098-A-3-A	UNK	11/13/13 09:45:44 pm	0.035	319	0.54		1.00	1.00	1.00
280-49098-A-5-A	UNK	11/13/13 09:48:02 pm	0.177	1514	0.13		1.00	1.00	1.00
280-49098-A-6-A	UNK	11/13/13 09:50:20 pm	0.013	134	2.52		1.00	1.00	1.00
MB 280-200738/1-A	UNK	11/13/13 09:52:38 pm	-0.003	-7	28.48		1.00	1.00	1.00
LCS 280-200738/2-A	UNK	11/13/13 09:54:56 pm	5.472	46274	0.38		1.00	1.00	1.00
280-49045-A-1-C	UNK	11/13/13 09:57:14 pm	1.006	8529	0.25		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 09:59:34 pm	5.490	46424	0.04		1.00	1.00	1.00
% Recovery 109.80									
CCB	CCB	11/13/13 10:01:51 pm	-0.003	-7	54.71		1.00	1.00	1.00
280-49045-A-2-D	UNK	11/13/13 10:04:09 pm	4.700	39747	0.12		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-49045-A-4-C	UNK	11/13/13 10:06:28 pm	0.105	907	0.24		1.00	1.00	1.00
280-49045-A-6-D	UNK	11/13/13 10:08:48 pm	0.148	1274	0.49		1.00	1.00	1.00
280-49045-A-8-C	UNK	11/13/13 10:11:07 pm	0.172	1471	0.63		1.00	1.00	1.00
280-49045-A-10-C	UNK	11/13/13 10:13:26 pm	0.131	1132	0.60		1.00	1.00	1.00
280-49045-A-12-C	UNK	11/13/13 10:15:44 pm	1.313	11117	0.11		1.00	1.00	1.00
280-49045-A-13-C	UNK	11/13/13 10:18:02 pm	5.270	44564	0.44		1.00	1.00	1.00
280-49045-A-14-C	UNK	11/13/13 10:20:20 pm	2.391	20234	0.06		1.00	1.00	1.00
280-49045-A-15-G	UNK	11/13/13 10:22:39 pm	1.374	11638	0.09		1.00	1.00	1.00
280-49045-A-15-H MS	UNK	11/13/13 10:24:57 pm	6.875	58131	0.20		1.00	1.00	1.00
CCV 2378629 % Recovery 118.32	CCV	11/13/13 10:27:16 pm	5.916	50028	0.14		1.00	1.00	1.00
CCB	CCB	11/13/13 10:29:33 pm	-0.005	-19	17.40		1.00	1.00	1.00
280-49045-A-15-I MSD	UNK	11/13/13 10:31:52 pm	7.877	66598	0.39		1.00	1.00	1.00
280-49045-A-16-C	UNK	11/13/13 10:34:10 pm	3.186	26950	0.10		1.00	1.00	1.00
280-49045-A-17-C	UNK	11/13/13 10:36:29 pm	0.068	596	0.42		1.00	1.00	1.00
280-49045-A-18-C	UNK	11/13/13 10:38:48 pm	2.800	23693	1.28		1.00	1.00	1.00
280-49111-A-6-D	UNK	11/13/13 10:41:07 pm	0.098	853	0.43		1.00	1.00	1.00
280-49141-A-1-B	UNK	11/13/13 10:43:27 pm	0.337	2873	0.39		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-49126-A-1-D	UNK	11/13/13 10:45:45 pm	9.274	78412	0.59		1.00	1.00	1.00
280-49126-A-2-D	UNK	11/13/13 10:48:04 pm	47.611	402461	0.21	O	1.00	1.00	1.00
280-49126-A-3-D	UNK	11/13/13 10:52:32 pm	65.858	556691	0.19	O	1.00	1.00	1.00
280-49126-A-4-D	UNK	11/13/13 10:57:06 pm	2.518	21310	0.26		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 10:59:26 pm	5.888	49789	0.16		1.00	1.00	1.00
% Recovery 117.76									
CCB	CCB	11/13/13 11:01:43 pm	-0.001	12	35.15		1.00	1.00	1.00
280-49126-A-5-D	UNK	11/13/13 11:04:01 pm	59.706	504690	0.57	O	1.00	1.00	1.00
MB 280-200739/1-A	UNK	11/13/13 11:08:16 pm	-0.006	-32	20.19		1.00	1.00	1.00
LCS 280-200739/2-A	UNK	11/13/13 11:10:35 pm	6.027	50962	0.13		1.00	1.00	1.00
280-49079-A-1-C	UNK	11/13/13 11:12:53 pm	1.431	12114	0.54		1.00	1.00	1.00
280-49079-A-2-C	UNK	11/13/13 11:15:12 pm	2.419	20467	0.89		1.00	1.00	1.00
280-49079-A-3-C	UNK	11/13/13 11:17:31 pm	4.010	33918	0.58		1.00	1.00	1.00
280-49079-A-4-C	UNK	11/13/13 11:19:51 pm	7.209	60959	0.43		1.00	1.00	1.00
280-49079-A-5-C	UNK	11/13/13 11:22:10 pm	9.376	79274	0.13		1.00	1.00	1.00
280-49079-A-6-G	UNK	11/13/13 11:24:29 pm	13.256	112068	0.57	O	1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 11:27:56 pm	5.953	50341	0.09		1.00	1.00	1.00
% Recovery 119.06									
CCB	CCB	11/13/13 11:30:12 pm	-0.008	-44	4.83		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	61.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 199600 Batch Start Date: 11/08/13 07:50 Batch Analyst: Rhoades, Chris R

Batch Method: 3050B Batch End Date: 11/08/13 12:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ICP SPK 2A 00066	ICP SPK 3A 00070	
MB 280-199600/1		3050B, 6010C		CALC NOT SET TO RUN	1.08 g	100 mL			
LCS 280-199600/2		3050B, 6010C		CALC NOT SET TO RUN	1.16 g	100 mL	1 mL	1 mL	
280-48486-A-1	AOI474BF	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			

Batch Notes	
Acid used for pH adjustment	0000050770-10/21
Balance ID	24750836
Filter Paper Lot Number	400064
Hydrogen peroxide lot number	0000036261-9/30
Lot # of hydrochloric acid	0000055129-10/31
Lot # of Nitric Acid	000050770-10/21
Hood ID or number	09
Hot Block ID number	02 E5
Oven, Bath or Block Temperature 1	92 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-007
Temperature	94 Degrees C
ID number of the thermometer	MP2
Digestion Tube/Cup Lot #	1303205
Uncorrected Temperature	92 Celsius
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 199719 Batch Start Date: 11/13/13 15:00 Batch Analyst: Mooney, Joseph C

Batch Method: 7471B Batch End Date: 11/13/13 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg Daily Spk 00943			
MB 280-199719/1		7471B, 7471B		.58 g	50 mL				
LCS 280-199719/2		7471B, 7471B		.58 g	50 mL	2.5 mL			
280-48486-A-1	AOI474BF	7471B, 7471B	T	.58 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	2CF0261-11/12
Aqua Regia Lot Number	42514-11/13
Balance ID	24750837
Lot # of hydrochloric acid	40272-11/11
Lot # of Nitric Acid	42514-11/13
Hood ID or number	HOOD3
Hot Block ID number	12 E-6
Potassium Permanganate Lot Number	0000047557-11/13
NaCL Lot #	0000041327-9/25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
Pipette ID	MET58
Stannous Chloride Lot Number	0000055057-11/12
SOP Number	DVMT0023
ID number of the thermometer	HG-1
Digestion Tube/Cup Lot #	MH21KK06
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

Project: Griffiss AFB Building 3

Client Sample ID	Lab Sample ID
AOI474BF	280-48486-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/30/2013 14:00 End Date: 10/30/2013 14:00

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			14:00																					
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280-48486-1	1	T	14:00	X	X																			
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/30/2013 14:00 End Date: 10/30/2013 14:00

Prep Types
T = Total/NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: % m Analysis Date: 10/30/13 - 10/31/13

SOP #: WC-0066 Analyst: Beth Neeley Instrument: Balance

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
48469	Soil	T	198522	% m	Q4
48505	↓	↓	↓	↓	↓
48486					
48380					
48399					
	↓	↓	↓	↓	↓

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	✓			X
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	✓			X
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?			✓	X
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?			✓	✓
2. Was final residue weight within minimum/maximum requirements?	✓			✓
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	✓			✓
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?			✓	✓
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?		✓		✓
3. Were sample analyses done within holding time?			✓	✓
4. Were special client requirements met?	✓			✓
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?			✓	✓
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	✓			✓
7. STD/True Value information is updated and included?	✓			✓
8. Are raw data copies prepared, scanned, and uploaded?	✓			✓
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?			✓	✓
2. Method blank < ½ RL or NCM provided?			✓	✓
3. LCS/LCSD run for batch and within QC limits?			✓	✓
4. DUP run for batch and RPD < 20% for samples >5 X RL?	✓			✓

Analyst: Beth Neeley Date: 10/31/13

Comments:

2nd Level Reviewer: [signature] Date: 10/31/13

Comments:

Revision 2.0
5/18/10

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198522 Batch Start Date: 10/30/13 14:00 Batch Analyst: Neeley, Beth A

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
280-48486-A-1	AOI474BF	Moisture	T	10	1.34 g	17.72 g	16.06 g		

Batch Notes	
Balance ID	H31422 No Unit
Date samples were placed in the oven	10/30/13
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	1457
Date samples were removed from oven	10/31/13
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	0720
Oven ID	Moisture
ID number of the thermometer	F
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

280-48486 Chain of Custody

41 ILA MS 10/25/13

AFCEE
CHAIN OF CUSTODY RECORD (WO)

COC#: _1_ SDG#: _140_ (Open/Closed) Cooler ID#: _A_

Ship to:	Project Name: Griffiss AFB Building 3	Send Results to:
Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Sampler Name: Josh Wenzel	Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441
Carrier: Test America courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 207

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 4 oz glass jar	SVOCs, PCBs, Pest., metals note 2,3 8 oz glass jar	Comments
AOI474BF	Backfill	10/25/13	1100	SO	G	N	0/0	2	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 1: VOCs: AFCEE QAPP 4.0 List.

Note 2: SVOCs: AFCEE QAPP 4.0 List, PCBs: AFCEE QAPP 4.0 List, Pesticides: AFCEE QAPP 4.0 List.

Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/25/13	#3 Relcased by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1500	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 10/28/13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TAD	Time: 835	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-48486-1

Login Number: 48486

List Source: TestAmerica Denver

List Number: 1

Creator: Branda, Alex N

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-62224-1

Job Description: Griffiss AFB AOI 474

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
11/26/2014 11:21 AM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
11/26/2014

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB AOI 474
Report Number: 280-62224-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

One sample was received on 11/06/2014; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.8ºC.

DISSOLVED METALS

Sample AOI474TW0102AA (280-62224-1) was analyzed for Dissolved Metals in accordance with EPA SW-846 Method 6010C. The sample was prepared on 11/10/2014 and analyzed on 11/16/2014.

Aluminum and Iron failed the recovery criteria high for the MS and MSD of sample AOI474TW0102AA (280-62224-1) in batch 280-253386. The presence of the '4' qualifier indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated LCS recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The analysis of the ICSA solution, which is used as the interference check standard, shows results for Cadmium, Chromium, Manganese, Nickel and Strontium at a level greater than the LOD for analytical batch 280-253386. We believe that the solution contains trace impurities of these elements and that the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. The associated sample results have been flagged “Q” for these elements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY

Sample AOI474TW0102AA (280-62224-1) was analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The sample was prepared on 11/10/2014 and analyzed on 11/11/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-62224-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-62224-1	AOI474TW0102AA	Water	11/05/2014 1430	11/06/2014 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-62224-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-62224-1	**AOI474TW0102AA**					
Dissolved						
Aluminum		5000	J	300	ug/L	6010C
Arsenic		9.2	J	25	ug/L	6010C
Barium		50		10	ug/L	6010C
Boron		22	J	100	ug/L	6010C
Cadmium		0.59	J Q	5.0	ug/L	6010C
Calcium		38000		1000	ug/L	6010C
Chromium		5.6	J Q	15	ug/L	6010C
Cobalt		21		15	ug/L	6010C
Copper		35		15	ug/L	6010C
Iron		13000	J	100	ug/L	6010C
Lead		3.5	J	15	ug/L	6010C
Magnesium		5900		500	ug/L	6010C
Manganese		1000	Q	10	ug/L	6010C
Molybdenum		3.3	J	20	ug/L	6010C
Nickel		18	J Q	40	ug/L	6010C
Potassium		1700	J	3000	ug/L	6010C
Sodium		4000	J	5000	ug/L	6010C
Strontium		130	Q	10	ug/L	6010C
Vanadium		9.9	J	15	ug/L	6010C
Zinc		250		150	ug/L	6010C
Mercury		0.051	J	0.20	ug/L	7470A

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-62224-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-62224-1

Method	Analyst	Analyst ID
SW846 6010C	Broander, Laura L	LLB
SW846 7470A	Grisdale, Christopher G	CGG

Client: FPM Remediations Inc

Job Number: 280-62224-1

Client Sample ID: **AOI474TW0102AA**

Lab Sample ID: 280-62224-1
Client Matrix: Water

Date Sampled: 11/05/2014 1430
Date Received: 11/06/2014 0900

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	280-253386	Instrument ID:	MT_026
Prep Method:	3005A	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1617			Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	5000	J	18	300
Antimony	8.0	U	3.1	20
Arsenic	9.2	J	4.4	25
Barium	50		0.58	10
Beryllium	0.50	U	0.47	1.5
Boron	22	J	4.4	100
Cadmium	0.59	J Q	0.45	5.0
Calcium	38000		35	1000
Chromium	5.6	J Q	0.66	15
Cobalt	21		1.2	15
Copper	35		1.4	15
Iron	13000	J	22	100
Lead	3.5	J	2.6	15
Magnesium	5900		11	500
Manganese	1000	Q	0.25	10
Molybdenum	3.3	J	3.1	20
Nickel	18	J Q	1.3	40
Potassium	1700	J	240	3000
Selenium	12	U	4.9	22
Silver	2.0	U	0.93	15
Sodium	4000	J	92	5000
Strontium	130	Q	0.30	10
Thallium	12	U	4.9	40
Vanadium	9.9	J	1.1	15
Zinc	250		4.5	150

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	280-252459	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-252205	Lab File ID:	141110ac.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/11/2014 0843			Final Weight/Volume:	30 mL
Prep Date:	11/10/2014 1400				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.051	J	0.027	0.20

Client: FPM Remediations Inc

Job Number: 280-62224-1

Method Blank - Batch: 280-252082

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-252082/1-A	Analysis Batch:	280-253386	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1612	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	31	U	18	300
Antimony	8.0	U	3.1	20
Arsenic	12	U	4.4	25
Barium	1.5	U	0.58	10
Beryllium	0.50	U	0.47	1.5
Boron	7.0	U	4.4	100
Cadmium	0.80	U Q	0.45	5.0
Calcium	80	U	35	1000
Chromium	1.5	U Q	0.66	15
Cobalt	2.0	U	1.2	15
Copper	3.5	U	1.4	15
Iron	30	U	22	100
Lead	5.0	U	2.6	15
Magnesium	25	U	11	500
Manganese	0.50	U Q	0.25	10
Molybdenum	7.0	U	3.1	20
Nickel	3.0	U Q	1.3	40
Potassium	250	U	240	3000
Selenium	12	U	4.9	22
Silver	2.0	U	0.93	15
Sodium	250	U	92	5000
Strontium	0.50	U Q	0.30	10
Thallium	12	U	4.9	40
Vanadium	2.5	U	1.1	15
Zinc	13	U	4.5	150

Client: FPM Remediations Inc

Job Number: 280-62224-1

Lab Control Sample - Batch: 280-252082

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-252082/2-A	Analysis Batch:	280-253386	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1614	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	2010	100	80 - 120	
Antimony	500	510	102	80 - 120	
Arsenic	1000	1000	100	80 - 120	
Barium	2000	2130	107	80 - 120	
Beryllium	50.0	50.6	101	80 - 120	
Boron	1000	1030	103	86 - 110	
Cadmium	100	96.5	96	80 - 120	Q
Calcium	50000	51200	102	80 - 120	
Chromium	200	204	102	80 - 120	Q
Cobalt	500	497	99	80 - 120	
Copper	250	253	101	80 - 120	
Iron	1000	1020	102	80 - 120	
Lead	500	507	101	80 - 120	
Magnesium	50000	50000	100	80 - 120	
Manganese	500	501	100	80 - 120	Q
Molybdenum	1000	1050	105	90 - 110	
Nickel	500	498	100	80 - 120	Q
Potassium	50000	51200	102	80 - 120	
Selenium	2000	2050	102	80 - 120	
Silver	50.0	54.4	109	80 - 120	
Sodium	50000	53900	108	80 - 120	
Strontium	1000	1060	106	90 - 111	Q
Thallium	2000	1990	99	80 - 120	
Vanadium	500	502	100	80 - 120	
Zinc	500	497	99	80 - 120	

Post Digestion Spike - Batch: 280-252082

Method: 6010C
Preparation: 3005A
Dissolved

Lab Sample ID:	280-62224-1	Analysis Batch:	280-253386	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1627	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	5000		1000	6030	101	75 - 125	
Antimony	8.0	U	100	98.9	99	75 - 125	
Arsenic	9.2	J	200	212	102	75 - 125	
Barium	50		100	168	117	75 - 125	
Beryllium	0.50	U	50.0	56.1	112	75 - 125	
Boron	22	J	100	122	101	75 - 125	
Cadmium	0.59	J	50.0	52.3	103	75 - 125	Q
Calcium	38000		20000	58800	106	75 - 125	
Chromium	5.6	J	50.0	58.3	105	75 - 125	Q
Cobalt	21		50.0	71.2	101	75 - 125	
Copper	35		50.0	89.6	110	75 - 125	
Iron	13000		1000	14000	74	75 - 125	J
Lead	3.5	J	100	110	107	75 - 125	
Magnesium	5900		20000	27200	106	75 - 125	
Manganese	1000		50.0	1020	43	75 - 125	Q
Molybdenum	3.3	J	50.0	52.7	99	75 - 125	
Nickel	18	J	50.0	69.8	104	75 - 125	Q
Potassium	1700	J	20000	24000	111	75 - 125	
Selenium	12	U	200	208	104	75 - 125	
Sodium	4000	J	20000	27700	119	75 - 125	
Strontium	130		50.0	188	110	75 - 125	Q
Thallium	12	U	200	209	104	75 - 125	
Vanadium	9.9	J	50.0	64.8	110	75 - 125	
Zinc	250		200	466	106	75 - 125	

Post Digestion Spike - Batch: 280-252082

Method: 6010C
Preparation: 3005A
Dissolved

Lab Sample ID:	280-62224-1	Analysis Batch:	280-253603	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-252082	Lab File ID:	26h111714.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/18/2014 0648	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	2.0	U	50.0	39.9	80	75 - 125	

Client: FPM Remediations Inc

Job Number: 280-62224-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-252082

Method: 6010C
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-62224-1	Analysis Batch:	280-253386	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1622			Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				
Leach Date:	N/A				

MSD Lab Sample ID:	280-62224-1	Analysis Batch:	280-253386	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1624			Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	289	287	80 - 120	0	20	J	J
Antimony	101	101	80 - 120	0	20		
Arsenic	100	99	80 - 120	1	20		
Barium	108	108	80 - 120	0	20		
Beryllium	102	102	80 - 120	0	20		
Boron	102	103	87 - 113	0	20		
Cadmium	96	96	80 - 120	0	20	Q	Q
Calcium	102	104	80 - 120	1	20		
Chromium	104	104	80 - 120	0	20	Q	Q
Cobalt	99	99	80 - 120	0	20		
Copper	103	104	80 - 120	1	20		
Iron	135	180	80 - 120	3	20	4	4
Lead	101	101	80 - 120	1	20		
Magnesium	100	101	80 - 120	0	20		
Manganese	97	105	80 - 120	2	20	Q	Q
Molybdenum	104	105	83 - 109	0	20		
Nickel	99	100	80 - 120	0	20	Q	Q
Potassium	105	105	80 - 120	0	20		
Selenium	102	102	80 - 120	0	20		
Silver	111	111	80 - 120	0	20		
Sodium	107	107	80 - 120	0	20		
Strontium	107	107	81 - 125	1	20	Q	Q
Thallium	98	98	80 - 120	0	20		
Vanadium	102	102	80 - 120	0	20		
Zinc	99	101	80 - 120	1	20		

Client: FPM Remediations Inc

Job Number: 280-62224-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-252082

Method: 6010C
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-62224-1	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	11/16/2014 1622		
Prep Date:	11/10/2014 0830		
Leach Date:	N/A		

MSD Lab Sample ID:	280-62224-1
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	11/16/2014 1624
Prep Date:	11/10/2014 0830
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	5000		2000	2000	10800	J	10800	J
Antimony	8.0	U	500	500	507		505	
Arsenic	9.2	J	1000	1000	1010		1000	
Barium	50		2000	2000	2210		2220	
Beryllium	0.50	U	50.0	50.0	51.1		51.2	
Boron	22	J	1000	1000	1040		1050	
Cadmium	0.59	J	100	100	97.0	Q	96.6	Q
Calcium	38000		50000	50000	88500		89700	
Chromium	5.6	J	200	200	213	Q	213	Q
Cobalt	21		500	500	516		518	
Copper	35		250	250	293		295	
Iron	13000		1000	1000	14600	4	15000	4
Lead	3.5	J	500	500	509		507	
Magnesium	5900		50000	50000	56100		56200	
Manganese	1000		500	500	1490	Q	1530	Q
Molybdenum	3.3	J	1000	1000	1050		1050	
Nickel	18	J	500	500	515	Q	515	Q
Potassium	1700	J	50000	50000	54200		54200	
Selenium	12	U	2000	2000	2040		2030	
Silver	2.0	U	50.0	50.0	55.3		55.4	
Sodium	4000	J	50000	50000	57400		57500	
Strontium	130		1000	1000	1200	Q	1200	Q
Thallium	12	U	2000	2000	1960		1960	
Vanadium	9.9	J	500	500	519		520	
Zinc	250		500	500	750		756	

Client: FPM Remediations Inc

Job Number: 280-62224-1

Serial Dilution - Batch: 280-252082

Method: 6010C
Preparation: 3005A
Dissolved

Lab Sample ID:	280-62224-1	Analysis Batch:	280-253386	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1619	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	5000		5050	0.59	10	D
Antimony	8.0	U	40	NC	10	U
Arsenic	9.2	J	60	NC	10	U
Barium	50		51.4	2.1	10	D
Beryllium	0.50	U	2.5	NC	10	U
Boron	22	J	28.8	NC	10	J D
Cadmium	0.59	J	4.0	NC	10	U Q
Calcium	38000		37900	1.1	10	D
Chromium	5.6	J	3.55	NC	10	J D Q
Cobalt	21		19.6	NC	10	J D
Copper	35		35.8	NC	10	J D
Iron	13000		13500	2.3	10	D
Lead	3.5	J	25	NC	10	U
Magnesium	5900		6040	2.1	10	D
Manganese	1000		1020	1.9	10	D Q
Molybdenum	3.3	J	35	NC	10	U
Nickel	18	J	19.3	NC	10	J D Q
Potassium	1700	J	1760	NC	10	J D
Selenium	12	U	60	NC	10	U
Silver	2.0	U	10	NC	10	U
Sodium	4000	J	4270	NC	10	J D
Strontium	130		135	1.7	10	D Q
Thallium	12	U	60	NC	10	U
Vanadium	9.9	J	7.80	NC	10	J D
Zinc	250		257	1.5	10	J D

Method Blank - Batch: 280-252205

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-252205/1-A	Analysis Batch:	280-252459	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-252205	Lab File ID:	141110ac.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/11/2014 0836	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/10/2014 1400				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.080	U	0.027	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-252205

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-252205/2-A	Analysis Batch:	280-252459	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-252205	Lab File ID:	141110ac.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/11/2014 0838	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/10/2014 1400				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-252205/3-A	Analysis Batch:	280-252459	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-252205	Lab File ID:	141110ac.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	11/11/2014 0841	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	11/10/2014 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	110	112	80 - 120	2	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-252205

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-252205/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-252205/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/11/2014 0838			Analysis Date:	11/11/2014 0841
Prep Date:	11/10/2014 1400			Prep Date:	11/10/2014 1400
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	5.00	5.00	5.52	5.62

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-62224-1

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-62224-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-252082					
LCS 280-252082/2-A	Lab Control Sample	R	Water	3005A	
MB 280-252082/1-A	Method Blank	R	Water	3005A	
280-62224-1	AOI474TW0102AA	D	Water	3005A	
280-62224-1MS	Matrix Spike	D	Water	3005A	
280-62224-1MSD	Matrix Spike Duplicate	D	Water	3005A	
Prep Batch: 280-252205					
LCS 280-252205/2-A	Lab Control Sample	T	Water	7470A	
LCSD 280-252205/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 280-252205/1-A	Method Blank	T	Water	7470A	
280-62224-1	AOI474TW0102AA	D	Water	7470A	
Analysis Batch:280-252459					
LCS 280-252205/2-A	Lab Control Sample	T	Water	7470A	280-252205
LCSD 280-252205/3-A	Lab Control Sample Duplicate	T	Water	7470A	280-252205
MB 280-252205/1-A	Method Blank	T	Water	7470A	280-252205
280-62224-1	AOI474TW0102AA	D	Water	7470A	280-252205
Analysis Batch:280-253386					
LCS 280-252082/2-A	Lab Control Sample	R	Water	6010C	280-252082
MB 280-252082/1-A	Method Blank	R	Water	6010C	280-252082
280-62224-1	AOI474TW0102AA	D	Water	6010C	280-252082
280-62224-1MS	Matrix Spike	D	Water	6010C	280-252082
280-62224-1MSD	Matrix Spike Duplicate	D	Water	6010C	280-252082

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: FPM Remediations Inc

Job Number: 280-62224-1

Laboratory Chronicle

Lab ID: 280-62224-1 **Client ID:** AOI474TW0102AA

Sample Date/Time: 11/05/2014 14:30 Received Date/Time: 11/06/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-62224-A-1-A		280-253386	280-252082	11/10/2014 08:30	1	TAL DEN	WDS
A:6010C	280-62224-A-1-A		280-253386	280-252082	11/16/2014 16:17	1	TAL DEN	LLB
P:7470A	280-62224-A-1-G		280-252459	280-252205	11/10/2014 14:00	1	TAL DEN	CGG
A:7470A	280-62224-A-1-G		280-252459	280-252205	11/11/2014 08:43	1	TAL DEN	CGG

Lab ID: 280-62224-1 MS **Client ID:** AOI474TW0102AA

Sample Date/Time: 11/05/2014 14:30 Received Date/Time: 11/06/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-62224-A-1-B MS		280-253386	280-252082	11/10/2014 08:30	1	TAL DEN	WDS
A:6010C	280-62224-A-1-B MS		280-253386	280-252082	11/16/2014 16:22	1	TAL DEN	LLB

Lab ID: 280-62224-1 MSD **Client ID:** AOI474TW0102AA

Sample Date/Time: 11/05/2014 14:30 Received Date/Time: 11/06/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-62224-A-1-C MSD		280-253386	280-252082	11/10/2014 08:30	1	TAL DEN	WDS
A:6010C	280-62224-A-1-C MSD		280-253386	280-252082	11/16/2014 16:24	1	TAL DEN	LLB

Lab ID: 280-62224-1 SD **Client ID:** AOI474TW0102AA

Sample Date/Time: 11/05/2014 14:30 Received Date/Time: 11/06/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-62224-A-1-A SD ^5		280-253386	280-252082	11/10/2014 08:30	5	TAL DEN	WDS
A:6010C	280-62224-A-1-A SD ^5		280-253386	280-252082	11/16/2014 16:19	5	TAL DEN	LLB
P:3005A	280-62224-A-1-A PDS		280-253386	280-252082	11/10/2014 08:30	1	TAL DEN	WDS
A:6010C	280-62224-A-1-A PDS		280-253386	280-252082	11/16/2014 16:27	1	TAL DEN	LLB
P:3005A	280-62224-A-1-A PDS		280-253603	280-252082	11/10/2014 08:30	1	TAL DEN	WDS
A:6010C	280-62224-A-1-A PDS		280-253603	280-252082	11/18/2014 06:48	1	TAL DEN	LLB

Client: FPM Remediations Inc

Job Number: 280-62224-1

Laboratory Chronicle

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	MB 280-252082/1-A		280-253386	280-252082	11/10/2014 08:30	1	TAL DEN	WDS
A:6010C	MB 280-252082/1-A		280-253386	280-252082	11/16/2014 16:12	1	TAL DEN	LLB
P:7470A	MB 280-252205/1-A		280-252459	280-252205	11/10/2014 14:00	1	TAL DEN	CGG
A:7470A	MB 280-252205/1-A		280-252459	280-252205	11/11/2014 08:36	1	TAL DEN	CGG

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	LCS 280-252082/2-A		280-253386	280-252082	11/10/2014 08:30	1	TAL DEN	WDS
A:6010C	LCS 280-252082/2-A		280-253386	280-252082	11/16/2014 16:14	1	TAL DEN	LLB
P:7470A	LCS 280-252205/2-A		280-252459	280-252205	11/10/2014 14:00	1	TAL DEN	CGG
A:7470A	LCS 280-252205/2-A		280-252459	280-252205	11/11/2014 08:38	1	TAL DEN	CGG

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	LCSD 280-252205/3-A		280-252459	280-252205	11/10/2014 14:00	1	TAL DEN	CGG
A:7470A	LCSD 280-252205/3-A		280-252459	280-252205	11/11/2014 08:41	1	TAL DEN	CGG

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alt Sb_00018	11/17/14	11/16/14	5%5%HNO3HCL, Lot See Reagent Log	100 mL	10 ppm Sb_00002	0.1 mL	Antimony	0.01 ppm
.10 ppm Sb_00002	04/01/15	06/13/14	1% HNO3, Lot k50030	100 mL	1000 Sb_00009	1 mL	Antimony	10 mg/L
..1000 Sb_00009	04/01/15	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
Alt SeTh_00001	11/18/14	11/17/14	5%5%HNO3HCL, Lot See Reagent Log	100 mL	10 ppm Se_00002	0.1 mL	Selenium	0.01 ppm
.10 ppm Se_00002	04/01/15	07/17/14	5%HNO3/5% HCl, Lot See Reagent Log	10 mL	1000 Se_00008	0.1 mL	Selenium	10 ppm
..1000 Se_00008	04/01/15	Inorganic Ventures, Lot G2-SE02043			(Purchased Reagent)		Selenium	1000 mg/L
Hg Daily Spk_01214	11/11/14	11/10/14	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00075	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00075	12/03/14	11/03/14	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00007	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00007	03/18/15	Ultra Scientific, Lot P00139			(Purchased Reagent)		Mercury	1000 mg/L
Hg H20 CCV_00001	11/11/14	11/10/14	1% HNO3, Lot K23022	100 mL	Hg Daily Spk_01214	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_01214	11/11/14	11/10/14	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00075	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00075	12/03/14	11/03/14	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00007	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00007	03/18/15	Ultra Scientific, Lot P00139			(Purchased Reagent)		Mercury	1000 mg/L
Hg H20 ICV_00796	11/11/14	11/10/14	1% HNO3, Lot K23022	100 mL	Hg Biwk ICV_00150	1 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00150	11/17/14	11/03/14	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00006	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00006	03/11/15	Inorganic Ventures, Lot G2-HG02113			(Purchased Reagent)		Mercury	100 mg/L
ICP CCVH_00360	01/01/15	11/08/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00267	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00267	01/01/15	11/08/14	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00010	10 mL	Aluminum	100 mg/L
					10000 Fe_00010	10 mL	Iron	100 mg/L
					10000 Na_00036	50 mL	Sodium	500 mg/L
..10000 Al_00010	05/01/15	Inorganic Ventures, Lot G2-AL04137			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00010	03/01/15	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00036	10/01/15	Inorganic Ventures, Lot G2-NA03115			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVL_00455	06/01/15	11/11/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00437	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00437	06/01/15	11/11/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00011	1 mL	Arsenic	2 mg/L
					1000 Pb_00014	1 mL	Lead	2 mg/L
					1000 Sb_00010	1 mL	Antimony	2 mg/L
					1000 Se_00009	1 mL	Selenium	2 mg/L
					1000 Tl_00009	1 mL	Thallium	2 mg/L
					Icp cal std 2_00009	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00009	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00011	06/01/15	Inorganic Venture, Lot g2-as02102			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00014	09/01/15	Inorganic Ventures, Lot g2-PB03044			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00010	09/01/15	Inorganic Ventures, Lot g2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00009	09/01/15	Inorganic Ventures, Lot G2-SE02043			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00009	09/01/15	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00009	09/01/15	Inorganic Ventures, Lot H2-MEB541065			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00009	09/01/15	Inorganic Ventures, Lot H2-MEB541066			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP ICSA_00095	07/01/15	11/14/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00011	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00011	07/01/15	Inorganic Ventures, Lot H2-MEB525068			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSAB_00098	12/30/14	11/07/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	1000 Tl_00008	2.5 mL	Thallium	10 mg/L
					1000 Zr_00007	0.25 mL	Zr	1 mg/L
					10000 Si_00009	0.25 mL	Si	10 mg/L
					10000 Th_00007	0.05 mL	Th	2 mg/L
					ANALYTES B_00007	2.5 mL	Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Lead	1 mg/L
							Manganese	0.5 mg/L
							Nickel	1 mg/L
							Silver	1 mg/L
							Vanadium	0.5 mg/L
							Zinc	1 mg/L
					ICP ISAB STD1_00006	2.5 mL	Antimony	1 mg/L
							Arsenic	2 mg/L
							Boron	2 mg/L
							Li	1 mg/L
							Molybdenum	1 mg/L
							P	2 mg/L
							Potassium	50 mg/L
							Selenium	5 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sodium	50 mg/L
							Strontium	1 mg/L
					ICP ISAB STD2_00006	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00009	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.1000 Tl_00008	08/01/15	Inorganic Ventures, Lot F2-TL02003			(Purchased Reagent)		Thallium	1000 mg/L
.1000 Zr_00007	04/01/15	Inorganic Ventures, Lot G2-ZR01095			(Purchased Reagent)		Zr	1000 mg/L
.10000 Si_00009	04/01/15	Inorganic ventures, Lot F2-SI03018			(Purchased Reagent)		Si	10000 mg/L
.10000 Th_00007	01/01/15	Inorganic Ventures, Lot G2-TH01097			(Purchased Reagent)		Th	10000 mg/L
.ANALYTES B_00007	12/30/14	SPEX, Lot 9-164ypy			(Purchased Reagent)		Barium	50 mg/L
							Beryllium	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Cobalt	50 mg/L
							Copper	50 mg/L
							Lead	100 mg/L
							Manganese	50 mg/L
							Nickel	100 mg/L
							Silver	100 mg/L
							Vanadium	50 mg/L
							Zinc	100 mg/L
.ICP ISAB STD1_00006	09/20/15	High Purity, Lot 1407732			(Purchased Reagent)		Antimony	100 mg/L
							Arsenic	200 mg/L
							Boron	200 mg/L
							Li	100 mg/L
							Molybdenum	100 mg/L
							P	200 mg/L
							Potassium	5000 mg/L
							Selenium	500 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
.ICP ISAB STD2_00006	09/20/15	High Purity, Lot 1407733			(Purchased Reagent)		Sn	1000 mg/L
							Ti	100 mg/L
.Icp stk ICSA_00009	03/01/15	Inorganic Ventures, Lot G2-MEB491156			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICVH_00187	01/02/15	11/14/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	Icp ICVH_00163	1 mL	Aluminum	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00163	08/07/15	High Purity, Lot 1421732			(Purchased Reagent)		Aluminum	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ICP ICVL_00181	02/28/15	11/12/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	Icp ICVL A_00007	1 mL	Aluminum	0.25 mg/L
							Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Beryllium	0.25 mg/L
							Boron	0.25 mg/L
							Cadmium	0.25 mg/L
							Calcium	2 mg/L
							Chromium	0.25 mg/L
							Cobalt	0.25 mg/L
							Copper	0.25 mg/L
							Iron	0.25 mg/L
							Lead	0.25 mg/L
							Magnesium	10 mg/L
							Manganese	0.25 mg/L
							Nickel	0.25 mg/L
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Sodium	2 mg/L
							Strontium	0.25 mg/L
							Thallium	0.5 mg/L
							Vanadium	0.25 mg/L
							Zinc	0.25 mg/L
					Icp ICVL B_00006	1 mL	Antimony	0.25 mg/L
							Molybdenum	0.25 mg/L
							Silver	0.25 mg/L
.Icp ICVL A_00007	02/28/15		High Purity, Lot 1405754		(Purchased Reagent)		Aluminum	25 mg/L
							Arsenic	25 mg/L
							Barium	25 mg/L
							Beryllium	25 mg/L
							Boron	25 mg/L
							Cadmium	25 mg/L
							Calcium	200 mg/L
							Chromium	25 mg/L
							Cobalt	25 mg/L
							Copper	25 mg/L
							Iron	25 mg/L
							Lead	25 mg/L
							Magnesium	1000 mg/L
							Manganese	25 mg/L
							Nickel	25 mg/L
							Potassium	2000 mg/L
							Selenium	50 mg/L
							Sodium	200 mg/L
							Strontium	25 mg/L
							Thallium	50 mg/L
							Vanadium	25 mg/L
							Zinc	25 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.Icp ICVL B_00006	02/28/15		HIGH PURITY, Lot 1405755		(Purchased Reagent)		Antimony	25 mg/L
							Molybdenum	25 mg/L
							Silver	25 mg/L
ICP ICVL_00183	02/28/15	11/17/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	Icp ICVL A_00007	1 mL	Aluminum	0.25 mg/L
							Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Beryllium	0.25 mg/L
							Boron	0.25 mg/L
							Cadmium	0.25 mg/L
							Calcium	2 mg/L
							Chromium	0.25 mg/L
							Cobalt	0.25 mg/L
							Copper	0.25 mg/L
							Iron	0.25 mg/L
							Lead	0.25 mg/L
							Magnesium	10 mg/L
							Manganese	0.25 mg/L
							Nickel	0.25 mg/L
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Sodium	2 mg/L
							Strontium	0.25 mg/L
							Thallium	0.5 mg/L
							Vanadium	0.25 mg/L
							Zinc	0.25 mg/L
					Icp ICVL B_00006	1 mL	Antimony	0.25 mg/L
							Molybdenum	0.25 mg/L
							Silver	0.25 mg/L
.Icp ICVL A_00007	02/28/15		High Purity, Lot 1405754		(Purchased Reagent)		Aluminum	25 mg/L
							Arsenic	25 mg/L
							Barium	25 mg/L
							Beryllium	25 mg/L
							Boron	25 mg/L
							Cadmium	25 mg/L
							Calcium	200 mg/L
							Chromium	25 mg/L
							Cobalt	25 mg/L
							Copper	25 mg/L
							Iron	25 mg/L
							Lead	25 mg/L
							Magnesium	1000 mg/L
							Manganese	25 mg/L
							Nickel	25 mg/L
							Potassium	2000 mg/L
							Selenium	50 mg/L
							Sodium	200 mg/L
							Strontium	25 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	50 mg/L
							Vanadium	25 mg/L
							Zinc	25 mg/L
.Icp ICVL B_00006	02/28/15	HIGH PURITY, Lot 1405755			(Purchased Reagent)		Antimony	25 mg/L
							Molybdenum	25 mg/L
							Silver	25 mg/L
ICP LLCCV_01316	11/17/14	11/16/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00021	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00013	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00021	04/01/15	Inorganic Ventures, Lot G2-MEB505028			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00013	10/01/15	Inorganic Ventures, Lot G2-MEB505029			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01317	11/18/14	11/17/14	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00021	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00013	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00021	04/01/15	Inorganic Ventures, Lot G2-MEB505028			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00013	10/01/15	Inorganic Ventures, Lot G2-MEB505029			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP PDS 1_00008	04/01/15	Inorganic Ventures, Lot H2-MEB529074			(Purchased Reagent)		Aluminum	100 mg/L
							Arsenic	20 mg/L
							Barium	10 mg/L
							Beryllium	5 mg/L
							Cadmium	5 mg/L
							Calcium	2000 mg/L
							Chromium	5 mg/L
							Cobalt	5 mg/L
							Copper	5 mg/L
							Iron	100 mg/L
							Lead	10 mg/L
							Magnesium	2000 mg/L
							Manganese	5 mg/L
							Nickel	5 mg/L
							Potassium	2000 mg/L
							Selenium	20 mg/L
							Silver	5 mg/L
							Sodium	2000 mg/L
							Strontium	5 mg/L
							Thallium	20 mg/L
							Vanadium	5 mg/L
							Zinc	20 mg/L
ICP PDS 2_00008	10/01/15	Inorganic Ventures, Lot H2-MEB546063			(Purchased Reagent)		Antimony	10 mg/L
							Boron	10 mg/L
							Molybdenum	5 mg/L
ICP RL STD_01343	11/17/14	11/16/14	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00008	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00007	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.01 mg/L
					ICP RLSTD 1A_00007	0.1 mL	Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Selenium	0.01 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00008	01/01/15	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00007	01/01/15	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.ICP RLSTD 1A_00007	01/01/15	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Arsenic	10 mg/L
							Lead	3 mg/L
							Selenium	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01344	11/18/14	11/17/14	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00008	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00007	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.01 mg/L
					ICP RLSTD 1A_00007	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00008	01/01/15	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00007	01/01/15	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.ICP RLSTD 1A_00007	01/01/15	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Thallium	10 mg/L
ICP SPK 2B_00013	10/01/15	Inorganic Ventures, Lot H2-MEB538103			(Purchased Reagent)		Antimony	50 mg/L
							Boron	100 mg/L
							Molybdenum	100 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Sulfur	200 mg/L

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00087	11/01/15	Inorganic Ventures, Lot H2-MEB543063			(Purchased Reagent)		Aluminum	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Beryllium	5 mg/L
							Bi	200 mg/L
							Cadmium	10 mg/L
							Calcium	5000 mg/L
							Chromium	20 mg/L
							Cobalt	50 mg/L
							Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L
							Nickel	50 mg/L
							P	1000 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							U	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB AOI 474

TestAmerica Job ID: 280-62224-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAP	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Illinois	NELAP	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAP	7	E-10166
TestAmerica Denver	Louisiana	NELAP	6	02096
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Minnesota	NELAP	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAP	1	205310
TestAmerica Denver	New Jersey	NELAP	2	CO004
TestAmerica Denver	New Mexico	State Program	6	CO00026
TestAmerica Denver	New York	NELAP	2	11964
TestAmerica Denver	North Carolina (WW/SW)	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAP	10	4025
TestAmerica Denver	Pennsylvania	NELAP	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002001
TestAmerica Denver	Texas	NELAP	6	T104704183-13-8
TestAmerica Denver	USDA	Federal		P330-13-00202
TestAmerica Denver	Utah	NELAP	8	CO00026
TestAmerica Denver	Virginia	NELAP	3	460232
TestAmerica Denver	Washington	State Program	10	C583
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	2907.01

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG No.:

Project: Griffiss AFB AOI 474

Client Sample ID	Lab Sample ID
AOI474TW0102AA	280-62224-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: AOI474TW0102AA
Lab Sample ID: 280-62224-1
Lab Name: TestAmerica Denver
Job No.: 280-62224-1
SDG ID.:
Matrix: Water
Date Sampled: 11/05/2014 14:30
Reporting Basis: WET
Date Received: 11/06/2014 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5000	300	31	18	ug/L		J	1	6010C
Antimony	8.0	20	8.0	3.1	ug/L	U		1	6010C
Arsenic	9.2	25	12	4.4	ug/L	J		1	6010C
Barium	50	10	1.5	0.58	ug/L			1	6010C
Beryllium	0.50	1.5	0.50	0.47	ug/L	U		1	6010C
Boron	22	100	7.0	4.4	ug/L	J		1	6010C
Cadmium	0.59	5.0	0.80	0.45	ug/L	J	Q	1	6010C
Calcium	38000	1000	80	35	ug/L			1	6010C
Chromium	5.6	15	1.5	0.66	ug/L	J	Q	1	6010C
Cobalt	21	15	2.0	1.2	ug/L			1	6010C
Copper	35	15	3.5	1.4	ug/L			1	6010C
Iron	13000	100	30	22	ug/L		J	1	6010C
Lead	3.5	15	5.0	2.6	ug/L	J		1	6010C
Magnesium	5900	500	25	11	ug/L			1	6010C
Manganese	1000	10	0.50	0.25	ug/L		Q	1	6010C
Molybdenum	3.3	20	7.0	3.1	ug/L	J		1	6010C
Nickel	18	40	3.0	1.3	ug/L	J	Q	1	6010C
Potassium	1700	3000	250	240	ug/L	J		1	6010C
Selenium	12	22	12	4.9	ug/L	U		1	6010C
Silver	2.0	15	2.0	0.93	ug/L	U		1	6010C
Sodium	4000	5000	250	92	ug/L	J		1	6010C
Strontium	130	10	0.50	0.30	ug/L		Q	1	6010C
Thallium	12	40	12	4.9	ug/L	U		1	6010C
Vanadium	9.9	15	2.5	1.1	ug/L	J		1	6010C
Zinc	250	150	13	4.5	ug/L			1	6010C
Mercury	0.051	0.20	0.080	0.027	ug/L	J		1	7470A

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

ICV Source: ICP ICVH_00187 Concentration Units: ug/L

CCV Source: ICP CCVH_00360

Analyte	ICVH 280-253386/6 11/16/2014 13:17				CCVH 280-253386/61 11/16/2014 16:01				CCVH 280-253386/73 11/16/2014 16:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	41000		40000	102	53400		50000	107	53100		50000	106
Iron	81500		80000	102	54200		50000	108	53900		50000	108
Sodium	41900		40000	105	266000		250000	106	264000		250000	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

ICV Source: ICP ICVL_00181 Concentration Units: ug/L

CCV Source: ICP CCVL_00455

Analyte	ICV 280-253386/7 11/16/2014 13:20				CCV 280-253386/62 11/16/2014 16:04				CCV 280-253386/74 11/16/2014 16:35			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	265		250	106	515		500	103	522		500	104
Antimony	250		250	100	987		1000	99	992		1000	99
Arsenic	243		250	97	988		1000	99	996		1000	100
Barium	252		250	101	524		500	105	532		500	106
Beryllium	247		250	99	496		500	99	503		500	101
Boron	250		250	100	499		500	100	502		500	100
Cadmium	251		250	100	496		500	99	499		500	100
Calcium	2010		2000	100	5040		5000	101	5110		5000	102
Chromium	247		250	99	503		500	101	509		500	102
Cobalt	250		250	100	499		500	100	503		500	101
Copper	248		250	99	501		500	100	505		500	101
Iron	260		250	104	2550		2500	102	2580		2500	103
Lead	253		250	101	1010		1000	101	1020		1000	102
Magnesium	10100		10000	101	19700		20000	98	19800		20000	99
Manganese	250		250	100	499		500	100	504		500	101
Molybdenum	246		250	98	503		500	101	509		500	102
Nickel	251		250	100	504		500	101	508		500	102
Potassium	19900		20000	100	49900		50000	100	50700		50000	101
Selenium	493		500	99	986		1000	99	1000		1000	100
Silver	246		250	98	496		500	99	499		500	100
Sodium	2050		2000	102	5410		5000	108	5460		5000	109
Strontium	254		250	102	521		500	104	528		500	106
Thallium	510		500	102	1010		1000	101	1020		1000	102
Vanadium	246		250	98	489		500	98	494		500	99
Zinc	246		250	98	496		500	99	502		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

ICV Source: ICP LLCCV_01316 Concentration Units: ug/L

CCV Source: ICP LLCCV_01316

Analyte	ICVL 280-253386/8 11/16/2014 13:24				CCVL 280-253386/64 11/16/2014 16:09				CCVL 280-253386/76 11/16/2014 16:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	109		100	109	112		100	112	112		100	112
Antimony	11.1	J	10.0	111	11.6	J	10.0	116	12.8	J	10.0	128
Arsenic	15.8		15.0	105	15.2		15.0	101	16.6		15.0	110
Barium	9.93	J	10.0	99	11.0		10.0	110	11.1		10.0	111
Beryllium	1.04		1.00	104	1.01		1.00	101	1.03		1.00	103
Boron	101		100	101	106		100	106	105		100	105
Cadmium	5.46		5.00	109	5.51		5.00	110	5.38		5.00	108
Calcium	208		200	104	224		200	112	220		200	110
Chromium	9.73	J	10.0	97	10.3		10.0	103	10.4		10.0	104
Cobalt	10.6		10.0	106	10.9		10.0	109	10.7		10.0	107
Copper	15.6		15.0	104	16.1		15.0	108	16.4		15.0	109
Iron	104		100	104	109		100	109	111		100	111
Lead	9.67		9.00	107	9.44		9.00	105	9.16		9.00	102
Magnesium	214		200	107	220		200	110	221		200	111
Manganese	10.5		10.0	105	10.9		10.0	109	10.9		10.0	109
Molybdenum	20.2		20.0	101	21.4		20.0	107	21.1		20.0	105
Nickel	42.0		40.0	105	43.8		40.0	109	43.7		40.0	109
Potassium	3010		3000	100	3250		3000	108	3230		3000	108
Selenium	14.7	J	15.0	98	14.7	J	15.0	98	13.4	J	15.0	89
Silver	10.5		10.0	105	10.8		10.0	108	10.7		10.0	107
Sodium	1070		1000	107	1250		1000	125	1220		1000	122
Strontium	10.5		10.0	105	11.2		10.0	112	11.3		10.0	113
Thallium	16.3		15.0	109	16.3		15.0	109	15.2		15.0	101
Vanadium	10.4		10.0	104	10.2		10.0	102	10.5		10.0	105
Zinc	21.0		20.0	105	21.9		20.0	110	22.0		20.0	110

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

ICV Source: ICP ICVH_00187 Concentration Units: ug/L

CCV Source: ICP CCVH_00360

Analyte	ICVH 280-253603/7 11/17/2014 11:14				CCVH 280-253603/22 11/18/2014 06:38				CCVH 280-253603/35 11/18/2014 07:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40700		40000	102	49100		50000	98	48400		50000	97
Iron	80800		80000	101	46200		50000	92	45700		50000	91
Sodium	40800		40000	102	258000		250000	103	255000		250000	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

ICV Source: ICP ICVL_00183 Concentration Units: ug/L

CCV Source: ICP CCVL_00455

Analyte	ICV 280-253603/8 11/17/2014 11:18				CCV 280-253603/23 11/18/2014 06:40				CCV 280-253603/36 11/18/2014 07:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	263		250	105	517		500	103	512		500	102
Antimony	255		250	102	1050		1000	105	1030		1000	103
Arsenic	241		250	96	1010		1000	101	996		1000	100
Barium	250		250	100	508		500	102	505		500	101
Beryllium	244		250	98	486		500	97	478		500	96
Boron	252		250	101	518		500	104	509		500	102
Cadmium	253		250	101	511		500	102	504		500	101
Calcium	1990		2000	100	4910		5000	98	4810		5000	96
Chromium	246		250	98	496		500	99	490		500	98
Cobalt	250		250	100	505		500	101	499		500	100
Copper	249		250	100	509		500	102	502		500	100
Iron	261		250	104	2330		2500	93	2290		2500	91
Lead	257		250	103	1030		1000	103	1010		1000	101
Magnesium	10100		10000	101	19700		20000	99	19500		20000	97
Manganese	250		250	100	500		500	100	493		500	99
Molybdenum	251		250	100	514		500	103	505		500	101
Nickel	251		250	100	501		500	100	495		500	99
Potassium	19800		20000	99	50700		50000	101	49900		50000	100
Selenium	497		500	99	1060		1000	106	1040		1000	104
Silver	256		250	102	520		500	104	509		500	102
Strontium	249		250	100	497		500	99	492		500	98
Thallium	517		500	103	1050		1000	105	1030		1000	103
Vanadium	244		250	98	499		500	100	490		500	98
Zinc	245		250	98	483		500	97	475		500	95

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

ICV Source: ICP LLCCV_01317 Concentration Units: ug/L

CCV Source: ICP LLCCV_01317

Analyte	ICVL 280-253603/9 11/17/2014 11:22				CCVL 280-253603/25 11/18/2014 06:46				CCVL 280-253603/38 11/18/2014 07:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	104		100	104	105		100	105	102		100	102
Antimony	7.22	J	10.0	72	11.1	J	10.0	111				
Arsenic	16.3		15.0	108	12.9	J	15.0	86	14.1	J	15.0	94
Barium	10.7		10.0	107	10.9		10.0	109	10.7		10.0	107
Beryllium	1.04		1.00	104	1.09		1.00	109	1.06		1.00	106
Boron	100		100	100	105		100	105	103		100	103
Cadmium	5.34		5.00	107	5.51		5.00	110	5.49		5.00	110
Calcium	207		200	103	197	J	200	99	198	J	200	99
Chromium	9.98	J	10.0	100	10.3		10.0	103	10.1		10.0	101
Cobalt	10.8		10.0	108	10.8		10.0	108	10.4		10.0	104
Copper	15.5		15.0	103	16.2		15.0	108	16.3		15.0	109
Iron	105		100	105	95.2	J	100	95	95.1	J	100	95
Lead	11.0		9.00	122	11.5		9.00	128	8.79	J	9.00	98
Magnesium	214		200	107	219		200	109	212		200	106
Manganese	10.4		10.0	104	10.5		10.0	105	10.4		10.0	104
Molybdenum	20.3		20.0	101	20.7		20.0	104	20.6		20.0	103
Nickel	41.4		40.0	103	41.7		40.0	104	41.0		40.0	103
Potassium	3130		3000	104	3360		3000	112	3350		3000	112
Selenium	17.9		15.0	119	17.7		15.0	118	15.6		15.0	104
Silver	10.9		10.0	109	11.7		10.0	117	11.6		10.0	116
Strontium	10.3		10.0	103	10.3		10.0	103	10.2		10.0	102
Thallium	17.7		15.0	118	17.1		15.0	114	16.3		15.0	109
Vanadium	9.71	J	10.0	97	10.2		10.0	102	9.34	J	10.0	93
Zinc	19.9	J	20.0	99	20.6		20.0	103	19.4	J	20.0	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

ICV Source: Hg H20 ICV_00796 Concentration Units: ug/L

CCV Source: Hg H20 CCV_00001

Analyte	ICV 280-252459/8 11/10/2014 18:32				CCV 280-252459/216 11/11/2014 08:23				CCV 280-252459/223 11/11/2014 08:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.14		4.00	104	5.68		5.00	114	4.72		5.00	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Method: 6010C Instrument ID: MT_026

Lab Sample ID: CRI 280-253386/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01343

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	108		108	80-120
Arsenic	10.0	11.0	J	110	80-120
Barium	5.00	4.82	J	96	80-120
Beryllium	1.00	0.950	J	95	80-120
Boron	100	102		102	50-150
Cadmium	5.00	5.23		105	80-120
Calcium	200	211		105	80-120
Chromium	10.0	9.75	J	98	80-120
Cobalt	5.00	5.06		101	80-120
Copper	10.0	10.4	J	104	80-120
Iron	30.0	31.9	J	106	80-120
Lead	3.00	2.65	J	88	80-120
Magnesium	200	208		104	80-120
Manganese	3.00	3.22	J	107	80-120
Molybdenum	10.0	10.6	J	106	50-150
Nickel	10.0	10.5	J	105	80-120
Potassium	1000	991	J	99	80-120
Selenium	10.0	11.0	J	110	80-120
Silver	10.0	9.45	J	95	80-120
Sodium	1000	1060		106	80-120
Strontium	5.00	5.22	J	104	80-120
Thallium	10.0	9.78	J	98	80-120
Vanadium	10.0	9.52	J	95	80-120
Zinc	10.0	10.1	J	101	80-120

Lab Sample ID: CRI 280-253386/15 Concentration Units: ug/L

CRQL Check Standard Source: Alt Sb_00018

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	10.0	10.8	J	108	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Method: 6010C Instrument ID: MT_026

Lab Sample ID: CRI 280-253603/13 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01344

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	109		109	80-120
Antimony	10.0	9.16	J	92	80-120
Arsenic	10.0	9.11	J	91	80-120
Barium	5.00	5.30	J	106	80-120
Beryllium	1.00	1.00		100	80-120
Boron	100	101		101	50-150
Cadmium	5.00	5.19		104	80-120
Calcium	200	205		102	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.11		102	80-120
Copper	10.0	10.2	J	102	80-120
Iron	30.0	35.5	J	118	80-120
Lead	3.00	2.93	J	98	80-120
Magnesium	200	216		108	80-120
Manganese	3.00	3.16	J	105	80-120
Molybdenum	10.0	10.4	J	104	50-150
Nickel	10.0	10.2	J	102	80-120
Potassium	1000	1020	J	102	80-120
Silver	10.0	9.65	J	97	80-120
Sodium	1000	1050		105	80-120
Strontium	5.00	5.15	J	103	80-120
Thallium	10.0	11.1	J	111	80-120
Vanadium	10.0	10.5		105	80-120
Zinc	10.0	9.82	J	98	80-120

Lab Sample ID: CRI 280-253603/14 Concentration Units: ug/L

CRQL Check Standard Source: Alt SeTh_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	10.0	11.7	J	117	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-253386/11 11/16/2014 13:32		CCB 280-253386/63 11/16/2014 16:06		CCB 280-253386/75 11/16/2014 16:37			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U	30	U		
Antimony	20	8.0	U	8.0	U	8.0	U		
Arsenic	15	12	U	12	U	12	U		
Barium	10	1.5	U	1.5	U	1.5	U		
Beryllium	1.0	0.50	U	0.50	U	0.50	U		
Boron	100	7.0	U	7.0	U	7.0	U		
Cadmium	5.0	0.80	U	0.80	U	0.80	U		
Calcium	200	80	U	80	U	80	U		
Chromium	10	1.5	U	1.5	U	1.5	U		
Cobalt	5.0	2.0	U	2.0	U	2.0	U		
Copper	15	3.5	U	3.5	U	3.5	U		
Iron	100	30	U	30	U	30	U		
Lead	9.0	5.0	U	5.0	U	5.0	U		
Magnesium	200	25	U	25	U	25	U		
Manganese	10	0.50	U	0.50	U	0.50	U		
Molybdenum	20	7.0	U	7.0	U	7.0	U		
Nickel	40	3.0	U	3.0	U	3.0	U		
Potassium	3000	250	U	250	U	250	U		
Selenium	15	12	U	12	U	12	U		
Silver	10	2.0	U	2.0	U	2.0	U		
Sodium	1000	250	U	126	J	250	U		
Strontium	10	0.50	U	0.50	U	0.50	U		
Thallium	15	12	U	12	U	12	U		
Vanadium	10	2.5	U	2.5	U	2.5	U		
Zinc	20	13	U	13	U	13	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-253603/12 11/17/2014 11:31		CCB 280-253603/24 11/18/2014 06:43		CCB 280-253603/37 11/18/2014 07:17			
		Found	C	Found	C	Found	C	Found	C
Silver	10	2.0	U	2.0	U	2.0	U		
Aluminum	100	30	U	30	U	30	U		
Antimony	20	8.0	U	8.0	U	8.0	U		
Arsenic	15	12	U	12	U	12	U		
Barium	10	1.5	U	1.5	U	1.5	U		
Beryllium	1.0	0.50	U	0.50	U	0.50	U		
Boron	100	7.0	U	7.0	U	7.0	U		
Cadmium	5.0	0.80	U	0.80	U	0.80	U		
Calcium	200	80	U	80	U	80	U		
Chromium	10	1.5	U	1.5	U	1.5	U		
Cobalt	5.0	2.0	U	2.0	U	2.0	U		
Copper	15	3.5	U	3.5	U	3.5	U		
Iron	100	30	U	30	U	30	U		
Lead	9.0	5.0	U	5.0	U	5.0	U		
Magnesium	200	25	U	25	U	25	U		
Manganese	10	0.50	U	0.50	U	0.50	U		
Molybdenum	20	7.0	U	7.0	U	7.0	U		
Nickel	40	3.0	U	3.0	U	3.0	U		
Potassium	3000	250	U	250	U	250	U		
Selenium	15	12	U	12	U	12	U		
Sodium	1000	250	U	374	J	418	J		
Strontium	10	0.50	U	0.50	U	0.50	U		
Thallium	15	12	U	12	U	12	U		
Vanadium	10	2.5	U	2.5	U	2.5	U		
Zinc	20	13	U	13	U	13	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-252459/9 11/10/2014 18:34		CCB 280-252459/217 11/11/2014 08:26		CCB 280-252459/224 11/11/2014 08:48			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-252082/1-A

Instrument Code: MT_026 Batch No.: 253386

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	31	U		6010C
7440-36-0	Antimony	8.0	U		6010C
7440-38-2	Arsenic	12	U		6010C
7440-39-3	Barium	1.5	U		6010C
7440-41-7	Beryllium	0.50	U		6010C
7440-42-8	Boron	7.0	U		6010C
7440-43-9	Cadmium	0.80	U	Q	6010C
7440-70-2	Calcium	80	U		6010C
7440-47-3	Chromium	1.5	U	Q	6010C
7440-48-4	Cobalt	2.0	U		6010C
7440-50-8	Copper	3.5	U		6010C
7439-89-6	Iron	30	U		6010C
7439-92-1	Lead	5.0	U		6010C
7439-95-4	Magnesium	25	U		6010C
7439-96-5	Manganese	0.50	U	Q	6010C
7439-98-7	Molybdenum	7.0	U		6010C
7440-02-0	Nickel	3.0	U	Q	6010C
7440-09-7	Potassium	250	U		6010C
7782-49-2	Selenium	12	U		6010C
7440-22-4	Silver	2.0	U		6010C
7440-23-5	Sodium	250	U		6010C
7440-24-6	Strontium	0.50	U	Q	6010C
7440-28-0	Thallium	12	U		6010C
7440-62-2	Vanadium	2.5	U		6010C
7440-66-6	Zinc	13	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-252205/1-A

Instrument Code: MT_033 Batch No.: 252459

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.080	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Lab Sample ID: ICSA 280-253386/16 Instrument ID: MT_026

Lab File ID: 26a111614.asc ICS Source: ICP ICSA_00095

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**513940**	**103**
Antimony		**3.56**	
Arsenic		**-2.53**	
Barium		**-0.360**	
Beryllium		**0.0300**	
Boron		**4.10**	
Cadmium		**1.23**	
Calcium	**500000**	**435020**	**87**
Chromium		**1.89**	
Cobalt		**-0.630**	
Copper		**2.69**	
Iron	**200000**	**191330**	**96**
Lead		**-3.15**	
Magnesium	**500000**	**508060**	**102**
Manganese		**0.950**	
Molybdenum		**-1.80**	
Nickel		**6.41**	
Potassium		**-144**	
Selenium		**2.20**	
Silver		**-0.280**	
Sodium		**27.7**	
Strontium		**4.66**	
Thallium		**3.76**	
Vanadium		**1.22**	
Zinc		**-0.0900**	
Lithium		*-3.91*	
Phosphorus		*-4.79*	
Silicon		*13.0*	
Thorium		*-9.61*	
Tin		*-1.63*	
Titanium		*0.840*	
Zirconium		*-0.600*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Lab Sample ID: ICSAB 280-253386/17 Instrument ID: MT_026

Lab File ID: 26a111614.asc ICS Source: ICP ICSAB_00098

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**504300**	**101**
Antimony	**1000**	**963**	**96**
Arsenic	**2000**	**1947**	**97**
Barium	**500**	**515**	**103**
Beryllium	**500**	**475**	**95**
Boron	**2000**	**1878**	**94**
Cadmium	**1000**	**1012**	**101**
Calcium	**500000**	**473990**	**95**
Chromium	**500**	**486**	**97**
Cobalt	**500**	**459**	**92**
Copper	**500**	**524**	**105**
Iron	**200000**	**188680**	**94**
Lead	**1000**	**921**	**92**
Magnesium	**500000**	**488240**	**98**
Manganese	**500**	**491**	**98**
Molybdenum	**1000**	**961**	**96**
Nickel	**1000**	**929**	**93**
Potassium	**50000**	**49922**	**100**
Selenium	**5000**	**4739**	**95**
Silver	**1000**	**1075**	**108**
Sodium	**50000**	**50657**	**101**
Strontium	**1000**	**996**	**100**
Thallium	**10000**	**8389**	**84**
Vanadium	**500**	**502**	**100**
Zinc	**1000**	**954**	**95**
Lithium	*1000*	*1040*	*104*
Phosphorus	*2000*	*1962*	*98*
Silicon	*10000*	*10063*	*101*
Thorium	*2000*	*1911*	*96*
Tin	*10000*	*9105*	*91*
Titanium	*1000*	*974*	*97*
Zirconium	*1000*	*987*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Lab Sample ID: ICSA 280-253603/15 Instrument ID: MT_026

Lab File ID: 26h111714.asc ICS Source: ICP ICSA_00095

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Silver		**-0.0200**	
Aluminum	*500000*	*510380*	*102*
Antimony		*-0.130*	
Arsenic		*1.78*	
Barium		*0.310*	
Beryllium		*0.0600*	
Boron		*1.28*	
Calcium	*500000*	*469930*	*94*
Cobalt		*-0.850*	
Copper		*2.83*	
Iron	*200000*	*187820*	*94*
Lead		*-0.670*	
Lithium		*-0.310*	
Magnesium	*500000*	*513960*	*103*
Molybdenum		*-2.60*	
Phosphorus		*-9.97*	
Potassium		*-62.0*	
Selenium		*-0.590*	
Silicon		*26.6*	
Sodium		*40.3*	
Thallium		*8.02*	
Thorium		*-9.08*	
Tin		*-1.94*	
Titanium		*0.830*	
Vanadium		*1.02*	
Zinc		*-0.0400*	
Zirconium		*-0.790*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Lab Sample ID: ICSAB 280-253603/16 Instrument ID: MT_026

Lab File ID: 26h111714.asc ICS Source: ICP ICSAB_00098

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Silver	**1000**	**1092**	**109**
Aluminum	*500000*	*502510*	*101*
Antimony	*1000*	*981*	*98*
Arsenic	*2000*	*1952*	*98*
Barium	*500*	*508*	*102*
Beryllium	*500*	*478*	*96*
Boron	*2000*	*1901*	*95*
Cadmium	*1000*	*1018*	*102*
Calcium	*500000*	*460170*	*92*
Chromium	*500*	*483*	*97*
Cobalt	*500*	*461*	*92*
Copper	*500*	*521*	*104*
Iron	*200000*	*185480*	*93*
Lead	*1000*	*928*	*93*
Lithium	*1000*	*1030*	*103*
Magnesium	*500000*	*493660*	*99*
Manganese	*500*	*496*	*99*
Molybdenum	*1000*	*974*	*97*
Nickel	*1000*	*931*	*93*
Phosphorus	*2000*	*1929*	*96*
Potassium	*50000*	*50341*	*101*
Selenium	*5000*	*4823*	*96*
Silicon	*10000*	*10084*	*101*
Sodium	*50000*	*50217*	*100*
Strontium	*1000*	*977*	*98*
Thallium	*10000*	*8482*	*85*
Thorium	*2000*	*1943*	*97*
Tin	*10000*	*9227*	*92*
Titanium	*1000*	*980*	*98*
Vanadium	*500*	*508*	*102*
Zinc	*1000*	*959*	*96*
Zirconium	*1000*	*979*	*98*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: AOI474TW0102AA MS Lab ID: 280-62224-1 MS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10800		5000		2000	289	80-120	J	6010C
Antimony	507		8.0	U	500	101	80-120		6010C
Arsenic	1010		9.2	J	1000	100	80-120		6010C
Barium	2210		50		2000	108	80-120		6010C
Beryllium	51.1		0.50	U	50.0	102	80-120		6010C
Boron	1040		22	J	1000	102	87-113		6010C
Cadmium	97.0		0.59	J	100	96	80-120	Q	6010C
Calcium	88500		38000		50000	102	80-120		6010C
Chromium	213		5.6	J	200	104	80-120	Q	6010C
Cobalt	516		21		500	99	80-120		6010C
Copper	293		35		250	103	80-120		6010C
Iron	14600		13000		1000	135	80-120	4	6010C
Lead	509		3.5	J	500	101	80-120		6010C
Magnesium	56100		5900		50000	100	80-120		6010C
Manganese	1490		1000		500	97	80-120	Q	6010C
Molybdenum	1050		3.3	J	1000	104	83-109		6010C
Nickel	515		18	J	500	99	80-120	Q	6010C
Potassium	54200		1700	J	50000	105	80-120		6010C
Selenium	2040		12	U	2000	102	80-120		6010C
Silver	55.3		2.0	U	50.0	111	80-120		6010C
Sodium	57400		4000	J	50000	107	80-120		6010C
Strontium	1200		130		1000	107	81-125	Q	6010C
Thallium	1960		12	U	2000	98	80-120		6010C
Vanadium	519		9.9	J	500	102	80-120		6010C
Zinc	750		250		500	99	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: AOI474TW0102AA MSD
Lab ID: 280-62224-1 MSD
Lab Name: TestAmerica Denver
Job No.: 280-62224-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	10800		2000	287	80-120	0	20	J	6010C
Antimony	505		500	101	80-120	0	20		6010C
Arsenic	1000		1000	99	80-120	1	20		6010C
Barium	2220		2000	108	80-120	0	20		6010C
Beryllium	51.2		50.0	102	80-120	0	20		6010C
Boron	1050		1000	103	87-113	0	20		6010C
Cadmium	96.6		100	96	80-120	0	20	Q	6010C
Calcium	89700		50000	104	80-120	1	20		6010C
Chromium	213		200	104	80-120	0	20	Q	6010C
Cobalt	518		500	99	80-120	0	20		6010C
Copper	295		250	104	80-120	1	20		6010C
Iron	15000		1000	180	80-120	3	20	4	6010C
Lead	507		500	101	80-120	1	20		6010C
Magnesium	56200		50000	101	80-120	0	20		6010C
Manganese	1530		500	105	80-120	2	20	Q	6010C
Molybdenum	1050		1000	105	83-109	0	20		6010C
Nickel	515		500	100	80-120	0	20	Q	6010C
Potassium	54200		50000	105	80-120	0	20		6010C
Selenium	2030		2000	102	80-120	0	20		6010C
Silver	55.4		50.0	111	80-120	0	20		6010C
Sodium	57500		50000	107	80-120	0	20		6010C
Strontium	1200		1000	107	81-125	1	20	Q	6010C
Thallium	1960		2000	98	80-120	0	20		6010C
Vanadium	520		500	102	80-120	0	20		6010C
Zinc	756		500	101	80-120	1	20		6010C

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: AOI474TW0102AA PDS Lab ID: 280-62224-1 PDS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Matrix: Water Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	6030		5000		1000	101	75-125		6010C
Antimony	98.9		8.0	U	100	99	75-125		6010C
Arsenic	212		9.2	J	200	102	75-125		6010C
Barium	168		50		100	117	75-125		6010C
Beryllium	56.1		0.50	U	50.0	112	75-125		6010C
Boron	122		22	J	100	101	75-125		6010C
Cadmium	52.3		0.59	J	50.0	103	75-125	Q	6010C
Calcium	58800		38000		20000	106	75-125		6010C
Chromium	58.3		5.6	J	50.0	105	75-125	Q	6010C
Cobalt	71.2		21		50.0	101	75-125		6010C
Copper	89.6		35		50.0	110	75-125		6010C
Iron	14000		13000		1000	74	75-125	J	6010C
Lead	110		3.5	J	100	107	75-125		6010C
Magnesium	27200		5900		20000	106	75-125		6010C
Manganese	1020		1000		50.0	43	75-125	Q	6010C
Molybdenum	52.7		3.3	J	50.0	99	75-125		6010C
Nickel	69.8		18	J	50.0	104	75-125	Q	6010C
Potassium	24000		1700	J	20000	111	75-125		6010C
Selenium	208		12	U	200	104	75-125		6010C
Silver	39.9		2.0	U	50.0	80	75-125		6010C
Sodium	27700		4000	J	20000	119	75-125		6010C
Strontium	188		130		50.0	110	75-125	Q	6010C
Thallium	209		12	U	200	104	75-125		6010C
Vanadium	64.8		9.9	J	50.0	110	75-125		6010C
Zinc	466		250		200	106	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 280-252082/2-A

Lab Name: TestAmerica Denver Job No.: 280-62224-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00087

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2000	2010		100	80	120		6010C
Antimony	500	510		102	80	120		6010C
Arsenic	1000	1000		100	80	120		6010C
Barium	2000	2130		107	80	120		6010C
Beryllium	50.0	50.6		101	80	120		6010C
Boron	1000	1030		103	86	110		6010C
Cadmium	100	96.5		96	80	120	Q	6010C
Calcium	50000	51200		102	80	120		6010C
Chromium	200	204		102	80	120	Q	6010C
Cobalt	500	497		99	80	120		6010C
Copper	250	253		101	80	120		6010C
Iron	1000	1020		102	80	120		6010C
Lead	500	507		101	80	120		6010C
Magnesium	50000	50000		100	80	120		6010C
Manganese	500	501		100	80	120	Q	6010C
Molybdenum	1000	1050		105	90	110		6010C
Nickel	500	498		100	80	120	Q	6010C
Potassium	50000	51200		102	80	120		6010C
Selenium	2000	2050		102	80	120		6010C
Silver	50.0	54.4		109	80	120		6010C
Sodium	50000	53900		108	80	120		6010C
Strontium	1000	1060		106	90	111	Q	6010C
Thallium	2000	1990		99	80	120		6010C
Vanadium	500	502		100	80	120		6010C
Zinc	500	497		99	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-252205/2-A

Lab Name: TestAmerica Denver Job No.: 280-62224-1

Sample Matrix: Water LCS Source: Hg Daily Spk_01214

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	5.52		110	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-252205/3-A

Lab Name: TestAmerica Denver Job No.: 280-62224-1

Sample Matrix: Water LCS Source: Hg Daily Spk_01214

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	5.62		5.00	112	80-120	2	20		7470A

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 280-62224-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-62224-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	5000		5050		0.59	D	6010C
Antimony	8.0	U	40	U	NC		6010C
Arsenic	9.2	J	60	U	NC		6010C
Barium	50		51.4		2.1	D	6010C
Beryllium	0.50	U	2.5	U	NC		6010C
Boron	22	J	28.8	J	NC	D	6010C
Cadmium	0.59	J	4.0	U	NC	Q	6010C
Calcium	38000		37900		1.1	D	6010C
Chromium	5.6	J	3.55	J	NC	D Q	6010C
Cobalt	21		19.6	J	NC	D	6010C
Copper	35		35.8	J	NC	D	6010C
Iron	13000		13500		2.3	D	6010C
Lead	3.5	J	25	U	NC		6010C
Magnesium	5900		6040		2.1	D	6010C
Manganese	1000		1020		1.9	D Q	6010C
Molybdenum	3.3	J	35	U	NC		6010C
Nickel	18	J	19.3	J	NC	D Q	6010C
Potassium	1700	J	1760	J	NC	D	6010C
Selenium	12	U	60	U	NC		6010C
Silver	2.0	U	10	U	NC		6010C
Sodium	4000	J	4270	J	NC	D	6010C
Strontium	130		135		1.7	D Q	6010C
Thallium	12	U	60	U	NC		6010C
Vanadium	9.9	J	7.80	J	NC	D	6010C
Zinc	250		257	J	1.5	D	6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG Number:

Matrix: Water Instrument ID: MT_026

Method: 6010C DL Date: 02/23/2011 08:45

Prep Method: 3005A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Aluminum	167	300	18
Antimony	206.8	20	3.14
Arsenic	189	25	4.41
Barium	455.4	10	0.576
Beryllium	313	1.5	0.474
Boron	208.9	100	4.37
Cadmium	228.8	5	0.452
Calcium	317.9	1000	34.5
Chromium	205.5	15	0.663
Cobalt	228.6	15	1.23
Copper	324.7	15	1.36
Iron	259.9	100	22
Lead	220.3	15	2.61
Magnesium	279	500	10.7
Manganese	257.6	10	0.253
Molybdenum	202	20	3.13
Nickel	231.6	40	1.29
Potassium	766.4	3000	237
Selenium	196	22	4.86
Silver	328	15	0.933
Sodium	589.5	5000	91.6
Strontium	407.7	10	0.3
Thallium	190.8	40	4.91
Vanadium	292.4	15	1.11
Zinc	206.2	150	4.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG Number:

Matrix: Water Instrument ID: MT_026

Method: 6010C XMDL Date: 02/23/2011 08:46

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Antimony		20	3.14
Arsenic		15	4.41
Barium		10	0.576
Beryllium		1	0.474
Boron		100	4.37
Cadmium		5	0.452
Calcium		200	34.5
Chromium		10	0.663
Cobalt		5	1.23
Copper		15	1.36
Iron		100	22
Lead		9	2.61
Magnesium		200	10.7
Manganese		10	0.253
Molybdenum		20	3.13
Nickel		40	1.29
Potassium		3000	237
Selenium		15	4.86
Silver		10	0.933
Sodium		1000	91.6
Strontium		10	0.3
Thallium		15	4.91
Vanadium		10	1.11
Zinc		20	4.53

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG Number:

Matrix: Water Instrument ID: MT_033

Method: 7470A DL Date: 10/28/2011 16:20

Prep Method: 7470A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Mercury	253.7	0.2	0.027

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG Number:

Matrix: Water Instrument ID: MT_033

Method: 7470A XMDL Date: 11/30/2010 11:23

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.027

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 09/17/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.002104	
Aluminum	309.271														
Antimony	206.833		0.000014						0.000004			0.018422		0.000018	
Arsenic	189.042		-0.000001									-0.001858		-0.000035	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										0.000142	0.001548		0.000060	
Boron	208.959														
Cadmium	228.802			0.004099							0.0000055				
Calcium	317.933														
Chromium	205.552						-0.002381								
Cobalt	228.616					-0.000084								0.000014	
Copper	324.754														
Iron	259.940										0.109000				
Iron	271.441										0.095380				
Lead	220.353		-0.000054										0.000204	0.000022	
Lithium	670.784								0.000011						
Magnesium	279.079													-0.000282	
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604													-0.000003	
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		0.000009						-0.000012					0.000009	
Silicon	288.158											-0.011267			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000192						
Sulfur	182.034														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 09/17/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856										0.001742	0.000241		-0.000037	
Thorium	283.730	-0.000001	-0.000013							-0.000536		-0.000022		0.000852	
Tin	189.989														
Titanium	334.904								0.000005			0.000118			
Uranium	370.152				0.001698				-0.000100			0.000664		-0.000087	
Vanadium	292.402											-0.006213		0.000005	
Zinc	206.200						0.000427	-0.000625				-0.001110			
Zirconium	339.198													-0.000035	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 09/17/2014

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.003500												
Aluminum	167.079														
Antimony	206.833				-0.013830										
Arsenic	189.042				0.001709										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														
Boron	208.959				0.029819										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000100		0.000125								
Cobalt	228.616				-0.001093		0.000132								
Copper	324.754														
Iron	259.940														
Iron	271.441														
Lead	220.353		0.000002		-0.001702		0.000045				0.000013	0.000064			
Lithium	670.784		0.000004												
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			0.000468											
Silicon	288.158				-0.004975									0.003460	
Silver	328.068				-0.000143										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.005533	-0.009231										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 09/17/2014

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000888	-0.002052										
Thorium	283.730		-0.000007		0.000415		0.000121								
Tin	189.989														
Titanium	334.904		0.000001		0.001452										
Uranium	370.152				-0.000575										
Vanadium	292.402			-0.000218											
Zinc	206.200														
Zirconium	339.198				0.000457							-0.000006			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 09/17/2014

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833		0.000576		-0.000805			-0.000916							
Arsenic	189.042					0.000258									
Barium	455.403							0.000834							
Beryllium	313.042		-0.000233												
Bismuth	223.061	0.001015	-0.037423		-0.005217										
Boron	208.959														
Cadmium	228.802														
Calcium	317.933	0.002571													
Chromium	205.552				0.000035										
Cobalt	228.616		0.001991												
Copper	324.754	0.003011	-0.000181					-0.000009							
Iron	259.940					0.000509		0.009958							
Iron	271.441					-0.456000		-0.121227							
Lead	220.353		-0.000455		0.000658										
Lithium	670.784	-0.005530			-0.012549										
Magnesium	279.079	-0.027951			-0.014825										
Manganese	257.610	0.000510													
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090	-0.000016			-0.001771										
Silicon	288.158														
Silver	328.068	-0.000618			0.001102			0.003136							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-62224-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 09/17/2014

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856		-0.001841		-0.000267	-0.010868									
Thorium	283.730				0.022981	-0.037303		0.019520							
Tin	189.989		-0.001703												
Titanium	334.904	0.008739			-0.000522										
Uranium	370.152	-0.002892	0.005820												
Vanadium	292.402	0.001157	0.000902		-0.000541										
Zinc	206.200														
Zirconium	339.198	0.037761													

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-62224-1

SDG No.:

Instrument ID: MT_026 Date: 10/22/2014 11:22

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010C
Antimony		50	6010C
Arsenic		50	6010C
Barium		50	6010C
Beryllium		20	6010C
Boron		100	6010C
Cadmium		25	6010C
Calcium		2500	6010C
Chromium		50	6010C
Cobalt		50	6010C
Copper		50	6010C
Iron		2000	6010C
Lead		200	6010C
Magnesium		2000	6010C
Manganese		20	6010C
Molybdenum		20	6010C
Nickel		50	6010C
Potassium		500	6010C
Selenium		50	6010C
Silver		2.0	6010C
Sodium		10000	6010C
Strontium		20	6010C
Thallium		50	6010C
Vanadium		50	6010C
Zinc		50	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-252082/1-A	11/10/2014 08:30	252082		50	50
LCS 280-252082/2-A	11/10/2014 08:30	252082		50	50
280-62224-1	11/10/2014 08:30	252082		50	50
280-62224-1 MS	11/10/2014 08:30	252082		50	50
280-62224-1 MSD	11/10/2014 08:30	252082		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-252205/1-A	11/10/2014 14:00	252205		30	30
LCS 280-252205/2-A	11/10/2014 14:00	252205		30	30
LCSD 280-252205/3-A	11/10/2014 14:00	252205		30	30
280-62224-1	11/10/2014 14:00	252205		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_026 Method: 6010C

Start Date: 11/16/2014 13:02 End Date: 11/16/2014 16:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Sb
ICIS 280-253386/1	1		13:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-253386/2			13:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-253386/3			13:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:10																				
ZZZZZZ			13:13																				
ICVH 280-253386/6	1		13:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 280-253386/7	1		13:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 280-253386/8	1		13:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-253386/9			13:27																				
ZZZZZZ			13:30																				
ICB 280-253386/11	1		13:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 280-253386/12	1		13:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			13:38																				
CCV 280-253386/14			13:44																				
CRI 280-253386/15	1		13:50																				X
ICSA 280-253386/16	1		13:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 280-253386/17	1		13:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRA 280-253386/18			14:00																				
CCVH 280-253386/19			14:03																				
CCV 280-253386/20			14:06																				
CCB 280-253386/21			14:08																				
ZZZZZZ			14:11																				
ZZZZZZ			14:13																				
ZZZZZZ			14:16																				
ZZZZZZ			14:19																				
ZZZZZZ			14:21																				
ZZZZZZ			14:24																				
ZZZZZZ			14:27																				
CCVH 280-253386/29			14:30																				
CCV 280-253386/30			14:32																				
CCB 280-253386/31			14:35																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:43																				
ZZZZZZ			14:46																				
ZZZZZZ			14:49																				
ZZZZZZ			14:52																				
ZZZZZZ			14:54																				
CCVH 280-253386/39			14:57																				
CCV 280-253386/40			15:00																				
CCB 280-253386/41			15:02																				
ZZZZZZ			15:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_026 Method: 6010C

Start Date: 11/16/2014 13:02 End Date: 11/16/2014 16:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Sb
ZZZZZZ			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:13																				
ZZZZZZ			15:15																				
ZZZZZZ			15:18																				
ZZZZZZ			15:21																				
CCVH 280-253386/49			15:23																				
CCV 280-253386/50			15:26																				
CCB 280-253386/51			15:28																				
CCVL 280-253386/52			15:31																				
ZZZZZZ			15:40																				
ZZZZZZ			15:43																				
ZZZZZZ			15:45																				
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
ZZZZZZ			15:58																				
CCVH 280-253386/61	1		16:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-253386/62	1		16:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-253386/63	1		16:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-253386/64	1		16:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 280-252082/1-A	1	R	16:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 280-252082/2-A	1	R	16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-62224-1	1	D	16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-62224-1 SD	5	D	16:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-62224-1 MS	1	D	16:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-62224-1 MSD	1	D	16:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
280-62224-1 PDS	1	D	16:27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:29																				
CCVH 280-253386/73	1		16:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-253386/74	1		16:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-253386/75	1		16:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-253386/76	1		16:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_026 Method: 6010C

Start Date: 11/16/2014 13:02 End Date: 11/16/2014 16:40

Lab Sample ID	D/F	Type	Time	Analytes																				
				Se	Sr	Tl	V	Zn																
ICIS 280-253386/1	1		13:02	X	X	X	X	X																
IC 280-253386/2			13:05	X	X	X	X	X																
IC 280-253386/3			13:08	X	X	X	X	X																
ZZZZZZ			13:10																					
ZZZZZZ			13:13																					
ICVH 280-253386/6	1		13:17	X	X	X	X	X																
ICV 280-253386/7	1		13:20	X	X	X	X	X																
ICVL 280-253386/8	1		13:24	X	X	X	X	X																
CCVH 280-253386/9			13:27																					
ZZZZZZ			13:30																					
ICB 280-253386/11	1		13:32	X	X	X	X	X																
CRI 280-253386/12	1		13:35	X	X	X	X	X																
ZZZZZZ			13:38																					
CCV 280-253386/14			13:44																					
CRI 280-253386/15	1		13:50																					
ICSA 280-253386/16	1		13:53	X	X	X	X	X																
ICSAB 280-253386/17	1		13:57	X	X	X	X	X																
LRA 280-253386/18			14:00																					
CCVH 280-253386/19			14:03																					
CCV 280-253386/20			14:06																					
CCB 280-253386/21			14:08																					
ZZZZZZ			14:11																					
ZZZZZZ			14:13																					
ZZZZZZ			14:16																					
ZZZZZZ			14:19																					
ZZZZZZ			14:21																					
ZZZZZZ			14:24																					
ZZZZZZ			14:27																					
CCVH 280-253386/29			14:30																					
CCV 280-253386/30			14:32																					
CCB 280-253386/31			14:35																					
ZZZZZZ			14:38																					
ZZZZZZ			14:40																					
ZZZZZZ			14:43																					
ZZZZZZ			14:46																					
ZZZZZZ			14:49																					
ZZZZZZ			14:52																					
ZZZZZZ			14:54																					
CCVH 280-253386/39			14:57																					
CCV 280-253386/40			15:00																					
CCB 280-253386/41			15:02																					
ZZZZZZ			15:05																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_026 Method: 6010C

Start Date: 11/16/2014 13:02 End Date: 11/16/2014 16:40

Lab Sample ID	D / F	Type	Time	Analytes																				
				Se	Sr	Tl	V	Zn																
ZZZZZZ			15:08																					
ZZZZZZ			15:10																					
ZZZZZZ			15:13																					
ZZZZZZ			15:15																					
ZZZZZZ			15:18																					
ZZZZZZ			15:21																					
CCVH 280-253386/49			15:23																					
CCV 280-253386/50			15:26																					
CCB 280-253386/51			15:28																					
CCVL 280-253386/52			15:31																					
ZZZZZZ			15:40																					
ZZZZZZ			15:43																					
ZZZZZZ			15:45																					
ZZZZZZ			15:48																					
ZZZZZZ			15:51																					
ZZZZZZ			15:53																					
ZZZZZZ			15:56																					
ZZZZZZ			15:58																					
CCVH 280-253386/61	1		16:01	X	X	X	X	X																
CCV 280-253386/62	1		16:04	X	X	X	X	X																
CCB 280-253386/63	1		16:06	X	X	X	X	X																
CCVL 280-253386/64	1		16:09	X	X	X	X	X																
MB 280-252082/1-A	1	R	16:12	X	X	X	X	X																
LCS 280-252082/2-A	1	R	16:14	X	X	X	X	X																
280-62224-1	1	D	16:17	X	X	X	X	X																
280-62224-1 SD	5	D	16:19	X	X	X	X	X																
280-62224-1 MS	1	D	16:22	X	X	X	X	X																
280-62224-1 MSD	1	D	16:24	X	X	X	X	X																
280-62224-1 PDS	1	D	16:27	X	X	X	X	X																
ZZZZZZ			16:29																					
CCVH 280-253386/73	1		16:32	X	X	X	X	X																
CCV 280-253386/74	1		16:35	X	X	X	X	X																
CCB 280-253386/75	1		16:37	X	X	X	X	X																
CCVL 280-253386/76	1		16:40	X	X	X	X	X																

Prep Types

D = Dissolved

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_026 Method: 6010C

Start Date: 11/17/2014 10:55 End Date: 11/18/2014 10:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag																			
ICIS 280-253603/1	1		10:55	X																			
IC 280-253603/2			10:58	X																			
IC 280-253603/3			11:00	X																			
ZZZZZZ			11:03																				
ZZZZZZ			11:06																				
ZZZZZZ			11:09																				
ICVH 280-253603/7	1		11:14	X																			
ICV 280-253603/8	1		11:18	X																			
ICVL 280-253603/9	1		11:22	X																			
CCVH 280-253603/10			11:25																				
CCV 280-253603/11			11:27																				
ICB 280-253603/12	1		11:31	X																			
CRI 280-253603/13	1		11:35	X																			
CRI 280-253603/14	1		11:43																				
ICSA 280-253603/15	1		11:51	X																			
ICSAB 280-253603/16	1		11:55	X																			
LRA 280-253603/17			11:58																				
CCVH 280-253603/18			12:01																				
CCV 280-253603/19			12:03																				
CCB 280-253603/20			12:06																				
CCVL 280-253603/21			12:09																				
CCVH 280-253603/22	1		06:38	X																			
CCV 280-253603/23	1		06:40	X																			
CCB 280-253603/24	1		06:43	X																			
CCVL 280-253603/25	1		06:46	X																			
280-62224-1 PDS	1	D	06:48	X																			
ZZZZZZ			06:51																				
ZZZZZZ			06:54																				
ZZZZZZ			06:56																				
ZZZZZZ			06:59																				
ZZZZZZ			07:02																				
ZZZZZZ			07:04																				
ZZZZZZ			07:07																				
ZZZZZZ			07:10																				
CCVH 280-253603/35	1		07:12	X																			
CCV 280-253603/36	1		07:15	X																			
CCB 280-253603/37	1		07:17	X																			
CCVL 280-253603/38	1		07:20	X																			
ZZZZZZ			07:23																				
ZZZZZZ			07:25																				
CCVH 280-253603/41			07:28																				
CCV 280-253603/42			07:31																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_026 Method: 6010C

Start Date: 11/17/2014 10:55 End Date: 11/18/2014 10:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag																			
CCB 280-253603/43			07:33																				
ZZZZZZ			07:36																				
ZZZZZZ			07:39																				
ZZZZZZ			07:41																				
ZZZZZZ			07:44																				
ZZZZZZ			07:46																				
ZZZZZZ			07:49																				
ZZZZZZ			07:51																				
ZZZZZZ			07:54																				
ZZZZZZ			07:56																				
ZZZZZZ			07:59																				
ZZZZZZ			08:02																				
CCVH 280-253603/55			08:05																				
CCV 280-253603/56			08:08																				
CCB 280-253603/57			08:10																				
CCVL 280-253603/58			08:13																				
ZZZZZZ			08:18																				
ZZZZZZ			08:21																				
ZZZZZZ			08:24																				
ZZZZZZ			08:27																				
ZZZZZZ			08:29																				
ZZZZZZ			08:32																				
ZZZZZZ			08:35																				
ZZZZZZ			08:38																				
CCVH 280-253603/67			08:41																				
CCV 280-253603/68			08:44																				
CCB 280-253603/69			08:46																				
CCVL 280-253603/70			08:49																				
CCVH 280-253603/71			08:52																				
CCV 280-253603/72			08:54																				
CCB 280-253603/73			08:57																				
CCVL 280-253603/74			08:59																				
ZZZZZZ			09:02																				
ZZZZZZ			09:05																				
ZZZZZZ			09:08																				
ZZZZZZ			09:10																				
ZZZZZZ			09:15																				
ZZZZZZ			09:18																				
ZZZZZZ			09:20																				
ZZZZZZ			09:23																				
CCVH 280-253603/83			09:25																				
CCV 280-253603/84			09:28																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_026 Method: 6010C

Start Date: 11/17/2014 10:55 End Date: 11/18/2014 10:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag																			
CCB 280-253603/85			09:30																				
CCVL 280-253603/86			09:33																				
ZZZZZZ			09:36																				
ZZZZZZ			09:39																				
ZZZZZZ			09:42																				
ZZZZZZ			09:44																				
ZZZZZZ			09:47																				
ZZZZZZ			09:50																				
ZZZZZZ			09:54																				
ZZZZZZ			09:56																				
ZZZZZZ			09:59																				
ZZZZZZ			10:02																				
CCVH 280-253603/97			10:05																				
CCV 280-253603/98			10:08																				
CCB 280-253603/99			10:10																				
CCVL 280-253603/100			10:13																				
ZZZZZZ			10:16																				
CCVH 280-253603/102			10:18																				
CCV 280-253603/103			10:21																				
CCB 280-253603/104			10:24																				
CCVL 280-253603/105			10:26																				

Prep Types

D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 11/10/2014 18:15 End Date: 11/11/2014 08:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
STD0 280-252459/1 IC			18:15	X																			
STD1 280-252459/2 IC			18:18	X																			
STD2 280-252459/3 IC			18:20	X																			
STD3 280-252459/4 IC			18:22	X																			
STD4 280-252459/5 IC			18:24	X																			
STD5 280-252459/6 IC			18:27	X																			
STD6 280-252459/7 IC			18:29	X																			
ICV 280-252459/8	1		18:32	X																			
ICB 280-252459/9	1		18:34	X																			
CRA 280-252459/10			18:36																				
CCV 280-252459/11			18:39																				
CCB 280-252459/12			18:41																				
ZZZZZZ			18:43																				
ZZZZZZ			18:46																				
ZZZZZZ			18:48																				
ZZZZZZ			18:50																				
ZZZZZZ			18:52																				
ZZZZZZ			18:55																				
ZZZZZZ			18:57																				
CCV 280-252459/20			18:59																				
CCB 280-252459/21			19:02																				
ZZZZZZ			19:04																				
ZZZZZZ			19:06																				
ZZZZZZ			19:09																				
ZZZZZZ			19:11																				
ZZZZZZ			19:13																				
ZZZZZZ			19:16																				
ZZZZZZ			19:18																				
CCV 280-252459/29			19:20																				
CCB 280-252459/30			19:22																				
ZZZZZZ			19:25																				
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
ZZZZZZ			19:34																				
CCV 280-252459/36			19:36																				
CCB 280-252459/37			19:39																				
ZZZZZZ			19:41																				
ZZZZZZ			19:43																				
ZZZZZZ			19:46																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 11/10/2014 18:15 End Date: 11/11/2014 08:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			19:52																				
CCV 280-252459/44			19:55																				
CCB 280-252459/45			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:06																				
ZZZZZZ			20:09																				
ZZZZZZ			20:11																				
ZZZZZZ			20:13																				
CCV 280-252459/53			20:15																				
CCB 280-252459/54			20:18																				
ZZZZZZ			20:20																				
ZZZZZZ			20:22																				
ZZZZZZ			20:25																				
ZZZZZZ			20:27																				
ZZZZZZ			20:29																				
CCV 280-252459/60			20:32																				
CCB 280-252459/61			20:34																				
ZZZZZZ			20:36																				
ZZZZZZ			20:39																				
ZZZZZZ			20:41																				
ZZZZZZ			20:43																				
ZZZZZZ			20:45																				
ZZZZZZ			20:48																				
CCV 280-252459/68			20:50																				
CCB 280-252459/69			20:52																				
ZZZZZZ			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
ZZZZZZ			21:02																				
ZZZZZZ			21:04																				
ZZZZZZ			21:06																				
CCV 280-252459/76			21:09																				
CCB 280-252459/77			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:15																				
ZZZZZZ			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:22																				
ZZZZZZ			21:25																				
ZZZZZZ			21:27																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 11/10/2014 18:15 End Date: 11/11/2014 08:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCV 280-252459/85			21:29																				
CCB 280-252459/86			21:32																				
ZZZZZZ			21:34																				
ZZZZZZ			21:36																				
ZZZZZZ			21:39																				
ZZZZZZ			21:41																				
ZZZZZZ			21:43																				
CCV 280-252459/92			21:45																				
CCB 280-252459/93			21:48																				
ZZZZZZ			21:50																				
ZZZZZZ			21:52																				
ZZZZZZ			21:55																				
ZZZZZZ			21:57																				
ZZZZZZ			21:59																				
ZZZZZZ			22:02																				
CCV 280-252459/100			22:04																				
CCB 280-252459/101			22:06																				
ZZZZZZ			22:08																				
ZZZZZZ			22:11																				
ZZZZZZ			22:13																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
ZZZZZZ			22:20																				
ZZZZZZ			22:22																				
CCV 280-252459/109			22:25																				
CCB 280-252459/110			22:27																				
ZZZZZZ			22:29																				
ZZZZZZ			22:32																				
ZZZZZZ			22:34																				
ZZZZZZ			22:36																				
ZZZZZZ			22:39																				
ZZZZZZ			22:41																				
ZZZZZZ			22:43																				
CCV 280-252459/118			22:45																				
CCB 280-252459/119			22:48																				
ZZZZZZ			22:50																				
ZZZZZZ			22:52																				
ZZZZZZ			22:55																				
ZZZZZZ			22:57																				
ZZZZZZ			22:59																				
ZZZZZZ			23:02																				
ZZZZZZ			23:04																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 11/10/2014 18:15 End Date: 11/11/2014 08:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCV 280-252459/127			23:06																				
CCB 280-252459/128			23:09																				
ZZZZZZ			23:11																				
ZZZZZZ			23:13																				
ZZZZZZ			23:16																				
ZZZZZZ			23:18																				
ZZZZZZ			23:20																				
ZZZZZZ			23:22																				
ZZZZZZ			23:25																				
CCV 280-252459/136			23:27																				
CCB 280-252459/137			23:29																				
ZZZZZZ			23:32																				
ZZZZZZ			23:34																				
ZZZZZZ			23:36																				
ZZZZZZ			23:39																				
ZZZZZZ			23:41																				
ZZZZZZ			23:43																				
ZZZZZZ			23:46																				
CCV 280-252459/145			23:48																				
CCB 280-252459/146			23:50																				
ZZZZZZ			23:53																				
ZZZZZZ			23:55																				
ZZZZZZ			23:57																				
ZZZZZZ			23:59																				
ZZZZZZ			00:02																				
CCV 280-252459/152			00:04																				
CCB 280-252459/153			00:06																				
ZZZZZZ			00:09																				
ZZZZZZ			00:11																				
ZZZZZZ			00:13																				
ZZZZZZ			00:16																				
ZZZZZZ			00:18																				
CCV 280-252459/159			00:20																				
CCB 280-252459/160			00:23																				
ZZZZZZ			00:25																				
ZZZZZZ			00:27																				
ZZZZZZ			00:30																				
ZZZZZZ			00:32																				
ZZZZZZ			00:34																				
ZZZZZZ			00:37																				
ZZZZZZ			00:39																				
ZZZZZZ			00:41																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 11/10/2014 18:15 End Date: 11/11/2014 08:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			00:44																				
CCV 280-252459/170			00:46																				
CCB 280-252459/171			00:48																				
ZZZZZZ			00:50																				
ZZZZZZ			00:53																				
ZZZZZZ			00:55																				
ZZZZZZ			00:57																				
ZZZZZZ			01:00																				
ZZZZZZ			01:02																				
CCV 280-252459/178			01:04																				
CCB 280-252459/179			01:07																				
ZZZZZZ			01:09																				
ZZZZZZ			01:11																				
ZZZZZZ			01:14																				
ZZZZZZ			01:16																				
ZZZZZZ			01:18																				
CCV 280-252459/185			01:21																				
CCB 280-252459/186			01:23																				
ZZZZZZ			01:25																				
ZZZZZZ			01:28																				
ZZZZZZ			01:30																				
ZZZZZZ			01:32																				
ZZZZZZ			01:35																				
CCV 280-252459/192			01:37																				
CCB 280-252459/193			01:39																				
ZZZZZZ			01:42																				
ZZZZZZ			01:44																				
ZZZZZZ			01:46																				
ZZZZZZ			01:49																				
ZZZZZZ			01:51																				
ZZZZZZ			01:53																				
CCV 280-252459/200			01:56																				
CCB 280-252459/201			01:58																				
ZZZZZZ			02:00																				
ZZZZZZ			02:02																				
ZZZZZZ			02:05																				
ZZZZZZ			02:07																				
ZZZZZZ			02:09																				
ZZZZZZ			02:12																				
CCV 280-252459/208			02:14																				
CCB 280-252459/209			02:16																				
ZZZZZZ			02:19																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Instrument ID: MT_033 Method: 7470A

Start Date: 11/10/2014 18:15 End Date: 11/11/2014 08:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			02:21																				
ZZZZZZ			02:23																				
ZZZZZZ			02:26																				
CCV 280-252459/214			02:28																				
CCV 280-252459/215			08:21																				
CCV 280-252459/216	1		08:23	X																			
CCB 280-252459/217	1		08:26	X																			
ZZZZZZ			08:34																				
MB 280-252205/1-A	1	T	08:36	X																			
LCS 280-252205/2-A	1	T	08:38	X																			
LCSD 280-252205/3-A	1	T	08:41	X																			
280-62224-1	1	D	08:43	X																			
CCV 280-252459/223	1		08:45	X																			
CCB 280-252459/224	1		08:48	X																			
ZZZZZZ			08:50																				
ZZZZZZ			08:52																				
ZZZZZZ			08:55																				
ZZZZZZ			08:57																				

Prep Types

D = Dissolved

T = Total/NA

ICP Data Review Checklist 253391

TALS BATCH NUMBER: 253386, 253387,	**Earliest due date:** 11/17/14	
Run Date: 11/16/14	**Analyst:** Laura Broaddus	**Instrument:** MT_26
QC programs/Methods Run: 6010C, 6010B, 200.7		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, DODV4, DODV5, AFCEE 4.0, 6010C?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < 1/2 RL or < 2X MDL (DOD V3, AFCEE 4.0)? Was it less than the LODV (DODV4 & DODV5)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / DoD V4 / DoD V5 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+- 30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or < RL std work or < 2X RL 6010C, DOD V4, DOD V5)	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. For DOD, were samples with concentrations > the daily linear range for any parameter diluted and reanalyzed?	✓			✓
3. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: Laura Broaddus **Date:** 11/17/14

Comments: _____

2nd Level Reviewer: Lori Talle **Date:** 11/17/14

Comments: _____

Sample Name: ICIS Acquired: 11/16/2014 13:02:44 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00195**	**.00272**	**.01548**	**-.00018**	**.00090**	**.00974**	**.00002**	**-.00110**	**.00711**	**-.00006**	**.00062**	**-.00024**
Stddev	.00007	.00006	.00212	.00003	.00006	.00070	.00008	.00000	.00061	.00012	.00023	.00011
%RSD	3.7904	2.1704	13.684	15.727	7.1314	7.1894	348.04	.09516	8.5337	204.47	37.380	47.046
#1	-.00201	.00268	.01698	-.00020	.00095	.00925	.00008	-.00109	.00668	-.00014	.00078	-.00016
#2	-.00190	.00277	.01398	-.00016	.00086	.01024	-.00003	-.00110	.00753	.00003	.00045	-.00032

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00193**	**.00028**	**.00052**	**.01076**	**.01321**	**-.00002**	**.00001**	**.00007**	**.02031**	**-.02773**	**-.00087**	**.00008**
Stddev	.00005	.00072	.00031	.00023	.00247	.00002	.00004	.00012	.00029	.00348	.00007	.00002
%RSD	2.7910	255.49	59.337	2.1664	18.716	89.789	412.68	163.24	1.4252	12.556	7.8661	25.255
#1	.00189	.00079	.00073	.01059	.01496	-.00004	.00004	-.00001	.02052	-.03019	-.00092	.00010
#2	.00197	-.00023	.00030	.01092	.01147	-.00001	-.00002	.00016	.02011	-.02527	-.00082	.00007

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00063**	**-.00039**	**-.00012**	**.00013**	**.00097**	**-.00001**	**-.00282**	**-.00022**	**-.00023**	**-.00048**	**.00020**	**.00021**
Stddev	.00002	.00016	.00012	.00023	.00024	.00008	.00061	.00006	.00002	.00002	.00018	.00000
%RSD	3.1787	41.321	100.59	175.95	24.352	670.58	21.603	27.542	7.0761	4.3892	87.158	1.5195
#1	.00062	-.00028	-.00020	.00030	.00080	.00004	-.00325	-.00018	-.00022	-.00046	.00033	.00020
#2	.00065	-.00051	-.00003	-.00003	.00114	-.00007	-.00239	-.00026	-.00024	-.00049	.00008	.00021

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00001**	**-.00148**
Stddev	.00001	.00014
%RSD	85.884	9.6048
#1	.00001	-.00138
#2	.00002	-.00158

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5086.3**	**81599.**	**6149.5**
Stddev	25.1	601.	279.1
%RSD	.49308	.73613	4.5391
#1	5068.5	81175.	5952.1
#2	5104.0	82024.	6346.9

Sample Name: IC1 Acquired: 11/16/2014 13:05:28 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.21487**	**.12232**	**.08815**	**.32892**	**6.0543**	**7.0395**	**1.8623**	**1.6843**	**.93077**	**.86789**	**.29718**	**.68627**	**4.9166**
Stddev	.00003	.00009	.00001	.00028	.0007	.0056	.0006	.0010	.00013	.00046	.00003	.00066	.0060
%RSD	.01364	.07400	.01581	.08609	.01149	.07942	.03185	.05769	.01421	.05247	.00920	.09585	.12230
#1	.21489	.12239	.08816	.32872	6.0548	7.0356	1.8619	1.6836	.93086	.86757	.29720	.68673	4.9124
#2	.21484	.12226	.08814	.32912	6.0538	7.0435	1.8627	1.6850	.93068	.86822	.29716	.68580	4.9209

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.0968**	**.66559**	**.99296**	**.44153**	**2.0968**	**.69928**	**.06754**	**.48591**	**.19916**	**.07999**	**.30796**	**.22226**	**10.612**
Stddev	.0017	.00076	.00081	.00005	.0003	.00080	.00014	.00103	.00003	.00028	.00078	.00011	.002
%RSD	.07966	.11389	.08172	.01119	.01296	.11392	.19991	.21186	.01685	.34492	.25215	.05151	.01724
#1	2.0956	.66613	.99353	.44157	2.0966	.69984	.06764	.48664	.19913	.07980	.30741	.22218	10.611
#2	2.0980	.66506	.99238	.44150	2.0970	.69872	.06745	.48519	.19918	.08019	.30851	.22234	10.613

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.28687**	**.16407**	**.18609**	**.02192**	**.38139**
Stddev	.00014	.00030	.00023	.00001	.00066
%RSD	.04707	.18494	.12235	.03272	.17405
#1	.28696	.16429	.18625	.02192	.38186
#2	.28677	.16386	.18593	.02191	.38093

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5018.5**	**80761.**	**6764.3**
Stddev	9.9	371.	13.6
%RSD	.19629	.45969	.20102
#1	5011.5	80498.	6754.7
#2	5025.4	81023.	6773.9

Sample Name: IC2 Acquired: 11/16/2014 13:08:00 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.3563**	**.24475**	**.74661**	**2.9465**	**.21950**	**.41521**	**.08473**
Stddev	.0063	.00016	.00025	.0004	.00061	.00039	.00014
%RSD	.14522	.06682	.03320	.01283	.27766	.09281	.16851
#1	4.3607	.24463	.74643	2.9462	.21907	.41493	.08463
#2	4.3518	.24487	.74678	2.9467	.21993	.41548	.08483

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4809.0**	**77598.**	**6749.1**
Stddev	2.8	232.	5.8
%RSD	.05884	.29909	.08528
#1	4806.9	77434.	6753.2
#2	4811.0	77762.	6745.1

Sample Name: s1-2984585 Acquired: 11/16/2014 13:10:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99521**	**1.0082**	**1.9783**	**.99344**	**.98977**	**.99540**	**.01745**	**9.9806**	**.99108**	**.99262**	**.99698**	**.98405**
Stddev	.00162	.0056	.0014	.00091	.00037	.00262	.00035	.0216	.00059	.00055	.00067	.00014
%RSD	.16302	.56093	.07140	.09198	.03779	.26310	1.9841	.21603	.05913	.05528	.06697	.01404
#1	.99636	1.0122	1.9773	.99279	.99004	.99725	.01720	9.9958	.99066	.99301	.99651	.98395
#2	.99406	1.0042	1.9793	.99409	.98951	.99355	.01769	9.9653	.99149	.99223	.99745	.98414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0145**	**99.593**	**1.9934**	**39.847**	**.99576**	**.99373**	**10.112**	F **11.009**	**.99265**	**1.9879**	**1.9861**	**-.01258**
Stddev	.0175	.099	.0015	.105	.00043	.00140	.044	.213	.00055	.0086	.0003	.00648
%RSD	.34952	.09924	.07668	.26331	.04365	.14081	.43770	1.9378	.05496	.43505	.01667	51.548
#1	5.0268	99.663	1.9923	39.921	.99607	.99274	10.143	11.160	.99304	1.9818	1.9858	-.01717
#2	5.0021	99.523	1.9945	39.773	.99545	.99472	10.080	10.859	.99227	1.9940	1.9863	-.00799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value								10.000				
Range								5.0000%				

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9844**	**1.9936**	**9.9142**	**1.9938**	**.99955**	**.02541**	**.99272**	**1.9860**	**-.00787**	**.99577**	**.99435**	**.99076**
Stddev	.0034	.0090	.0094	.0032	.00092	.00131	.00184	.0039	.02133	.00244	.00160	.00130
%RSD	.17207	.45306	.09459	.16206	.09205	5.1559	.18508	.19408	271.06	.24508	.16085	.13130
#1	1.9820	1.9872	9.9076	1.9961	1.0002	.02448	.99402	1.9833	.00721	.99750	.99322	.98984
#2	1.9869	2.0000	9.9208	1.9915	.99890	.02634	.99142	1.9888	-.02296	.99405	.99548	.99168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5039.8**	**81131.**	**6837.3**
Stddev	11.6	141.	5.7
%RSD	.22927	.17400	.08296
#1	5031.7	81031.	6833.3
#2	5048.0	81231.	6841.4

Sample Name: s2-2982967 Acquired: 11/16/2014 13:13:10 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01268**	**99.825**	**-.00424**	**.00636**	**.00130**	**.00018**	**1.9849**	**-.15081**	**-.00056**	**.00353**	**.00048**	**-.00450**	**99.832**
Stddev	.00043	.149	.00117	.00088	.00005	.00003	.0024	.00150	.00000	.00030	.00004	.00047	.342
%RSD	3.4102	.14945	27.626	13.888	3.6141	16.211	.12354	.99322	.66315	8.4111	9.3428	10.327	.34284
#1	.01237	99.931	-.00507	.00699	.00127	.00016	1.9831	-.14975	-.00056	.00374	.00051	-.00417	100.07
#2	.01298	99.720	-.00341	.00574	.00133	.00020	1.9866	-.15187	-.00056	.00332	.00045	-.00483	99.590
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02119**	**-.00157**	**.28815**	**-.00586**	**-.00294**	**499.88**	**.00317**	**.01279**	**.00447**	**9.9453**	**.01744**	**.00531**	**-.02789**
Stddev	.01879	.00118	.00263	.00004	.00019	.43	.00011	.00113	.00017	.0107	.00112	.00094	.00287
%RSD	88.665	75.276	.91359	.64867	6.5700	.08604	3.3352	8.8551	3.7734	.10810	6.4116	17.691	10.283
#1	.00791	-.00240	.29001	-.00583	-.00280	500.19	.00325	.01199	.00459	9.9529	.01824	.00464	-.02587
#2	.03448	-.00073	.28629	-.00589	-.00307	499.58	.00310	.01359	.00435	9.9377	.01665	.00597	-.02992
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**.00125**	**9.8586**	**-.04902**	**.00240**	**19.912**	**.00921**	**.00359**	**-.07957**
Stddev	.00078	.00001	.0110	.00044	.00065	.008	.00048	.00069	.00123
%RSD	19.421	1.1766	.11165	.89738	27.283	.03940	5.1782	19.164	1.5396
#1	.00455	.00126	9.8663	-.04870	.00193	19.906	.00955	.00311	-.08044
#2	.00345	.00124	9.8508	-.04933	.00286	19.917	.00888	.00408	-.07870
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4841.6**	**78524.**	**6814.9**
Stddev	5.4	73.	.7
%RSD	.11229	.09294	.01084
#1	4837.7	78575.	6815.4
#2	4845.4	78472.	6814.4

Sample Name: icvh-2991197 Acquired: 11/16/2014 13:17:05 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00387**	**40.984**	**.00103**	**.00071**	**-.00002**	**.00004**	**.51517**	**-.06349**	**.00003**	**.00089**	**-.00030**	**-.00114**	**81.465**
Stddev	.00070	.056	.00574	.00015	.00023	.00005	.00415	.00088	.00003	.00020	.00010	.00041	.016
%RSD	18.116	.13651	557.71	21.172	1473.4	134.97	.80461	1.3913	95.110	21.968	32.371	35.709	.01927
#1	.00337	40.944	-.00303	.00061	.00015	.00008	.51810	-.06412	.00001	.00103	-.00023	-.00086	81.454
#2	.00436	41.023	.00508	.00082	-.00018	.00000	.51223	-.06287	.00006	.00075	-.00037	-.00143	81.476
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06432**	**-.00170**	**.09336**	**-.00135**	**-.00130**	**41.897**	**.00245**	**.00178**	**-.00041**	**3.8885**	**.00587**	**.00523**	**-.00824**
Stddev	.01441	.00147	.00114	.00004	.00001	.263	.00002	.00110	.00008	.0155	.00003	.00338	.01080
%RSD	22.407	86.287	1.2255	3.1063	1.0666	.62813	.73209	61.690	19.271	.39855	.46940	64.657	131.10
#1	-.05413	-.00274	.09255	-.00138	-.00131	42.083	.00247	.00100	-.00047	3.8995	.00589	.00284	-.01588
#2	-.07451	-.00066	.09417	-.00133	-.00129	41.711	.00244	.00256	-.00036	3.8776	.00585	.00761	-.00060
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00037**	**2.9171**	**-.01452**	**.00238**	**5.1386**	**.00293**	**.00005**	**-.02251**
Stddev	.00072	.00003	.0050	.00013	.00124	.0028	.00002	.00013	.00207
%RSD	51.476	7.1731	.17005	.87099	52.340	.05398	.74780	262.35	9.2041
#1	.00089	.00039	2.9136	-.01443	.00150	5.1367	.00292	.00014	-.02104
#2	.00191	.00035	2.9206	-.01461	.00326	5.1406	.00295	-.00004	-.02397
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5191.4**	**83651.**	**6978.7**
Stddev	25.0	93.	6.4
%RSD	.48156	.11129	.09169
#1	5173.7	83717.	6974.1
#2	5209.1	83585.	6983.2

Sample Name: icv-2987292 Acquired: 11/16/2014 13:20:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24583**	W **.26505**	**.24345**	**.25035**	**.25170**	**.24678**	**.00553**	**2.0074**	**.25119**	**.24980**	**.24724**	**.24839**
Stddev	.00066	.00042	.00426	.00047	.00037	.00076	.00130	.0032	.00047	.00065	.00043	.00093
%RSD	.26860	.15847	1.7511	.18835	.14785	.30863	23.502	.16109	.18566	.25891	.17387	.37578
#1	.24536	.26475	.24646	.25001	.25196	.24624	.00645	2.0051	.25152	.25025	.24694	.24773
#2	.24630	.26535	.24043	.25068	.25143	.24732	.00461	2.0097	.25086	.24934	.24755	.24905
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.0000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25950**	**19.931**	**.25444**	**10.106**	**.25020**	**.24565**	**2.0492**	**.25090**	**1.9436**	**.25256**	**-.00238**	**.25017**
Stddev	.00022	.028	.00092	.008	.00016	.00105	.0062	.00010	.0010	.00068	.00084	.00002
%RSD	.08521	.14262	.36134	.07646	.06266	.42657	.30148	.03866	.04922	.26957	35.381	.00629
#1	.25966	19.911	.25379	10.111	.25031	.24639	2.0536	.25083	1.9430	.25208	-.00297	.25018
#2	.25934	19.951	.25509	10.100	.25009	.24490	2.0448	.25097	1.9443	.25305	-.00178	.25016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49331**	**1.9983**	**.49690**	**.25388**	**.00586**	**.24393**	**.50990**	**.01220**	**.24587**	**.24598**	**.24323**
Stddev	.00269	.0030	.00137	.00039	.00091	.00070	.00175	.01438	.00160	.00085	.00040
%RSD	.54597	.14904	.27647	.15174	15.537	.28668	.34308	117.81	.65018	.34500	.16489
#1	.49521	1.9962	.49787	.25360	.00650	.24344	.51114	.02237	.24700	.24658	.24295
#2	.49140	2.0004	.49592	.25415	.00521	.24443	.50866	.00204	.24474	.24538	.24352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5114.0**	**83596.**	**6938.9**
Stddev	2.0	111.	14.3
%RSD	.03915	.13240	.20558
#1	5112.6	83518.	6928.8
#2	5115.4	83674.	6949.0

Sample Name: icvl-2993285 Acquired: 11/16/2014 13:24:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01046**	**.10902**	**.01577**	**.10134**	**.00993**	**.00104**	**.10847**	**.20775**	**.00546**	**.01057**	**.00973**	**.01555**	**.10395**
Stddev	.00107	.00137	.00254	.00017	.00007	.00000	.00008	.00714	.00023	.00030	.00001	.00000	.00000
%RSD	10.241	1.2540	16.093	.17040	.68188	.45059	.07487	3.4378	4.2479	2.8748	.14290	.02557	.00133
#1	.00970	.10805	.01398	.10122	.00988	.00104	.10853	.21280	.00562	.01078	.00972	.01555	.10395
#2	.01121	.10998	.01757	.10146	.00998	.00105	.10842	.20270	.00529	.01035	.00974	.01556	.10395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0117**	**.00874**	**.21415**	**.01047**	**.02023**	**1.0675**	**.04201**	**2.9165**	**.00967**	**-.00130**	**.01111**	**.01471**	**.50427**
Stddev	.0916	.00028	.00041	.00007	.00035	.0014	.00071	.0037	.00003	.00173	.00059	.00437	.00994
%RSD	3.0414	3.2526	.19215	.71014	1.7312	.12876	1.6834	.12751	.32296	133.75	5.3390	29.741	1.9714
#1	2.9469	.00854	.21444	.01052	.02048	1.0685	.04151	2.9192	.00969	-.00007	.01069	.01161	.51129
#2	3.0765	.00894	.21386	.01042	.01998	1.0665	.04251	2.9139	.00965	-.00252	.01153	.01780	.49724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10264**	**.01047**	**.01451**	**.00981**	**.01632**	**.06846**	**.01041**	**.02096**	**.01339**
Stddev	.00024	.00000	.00162	.00005	.00093	.02431	.00028	.00049	.00110
%RSD	.23102	.03758	11.142	.53186	5.7261	35.514	2.7219	2.3316	8.1815
#1	.10281	.01046	.01566	.00978	.01566	.05127	.01021	.02131	.01262
#2	.10247	.01047	.01337	.00985	.01698	.08565	.01061	.02062	.01417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5048.8**	**83596.**	**6897.1**
Stddev	99.0	201.	11.4
%RSD	1.9599	.23998	.16471
#1	5118.7	83454.	6889.0
#2	4978.8	83738.	6905.1

Sample Name: ccvh-2982968 Acquired: 11/16/2014 13:27:31 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: .

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00584**	**49.749**	**.00294**	**.00246**	**.00017**	**-.00011**	**.97603**	**-.09740**	**-.00040**	**.00156**	**-.00039**	**-.00217**	**50.025**
Stddev	.00057	.162	.00010	.00007	.00010	.00001	.00521	.00252	.00012	.00010	.00010	.00005	.151
%RSD	9.7805	.32655	3.4250	2.7183	58.168	9.1499	.53425	2.5921	29.771	6.5381	26.253	2.2965	.30147
#1	.00544	49.634	.00287	.00241	.00010	-.00012	.97234	-.09561	-.00032	.00149	-.00032	-.00213	49.918
#2	.00625	49.864	.00302	.00251	.00024	-.00011	.97972	-.09918	-.00049	.00164	-.00046	-.00220	50.132
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02405**	**-.00327**	**.13138**	**-.00311**	**-.00151**	**247.89**	**.00117**	**.00649**	**.00131**	**4.8165**	**.00853**	**.00083**	**-.01102**
Stddev	.01522	.00064	.00264	.00002	.00025	.70	.00002	.00222	.00065	.0058	.00080	.00187	.00359
%RSD	63.269	19.586	2.0080	.48334	16.336	.28344	1.7214	34.284	49.498	.12032	9.4146	225.56	32.576
#1	-.03481	-.00372	.12951	-.00312	-.00169	247.39	.00118	.00491	.00176	4.8206	.00796	.00215	-.00848
#2	-.01329	-.00282	.13324	-.00310	-.00134	248.38	.00115	.00806	.00085	4.8124	.00910	-.00049	-.01355
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**.00039**	**4.7906**	**-.02417**	**.00098**	**9.7516**	**.00426**	**-.00073**	**-.03618**
Stddev	.00207	.00006	.0070	.00026	.00004	.0120	.00006	.00026	.00006
%RSD	114.54	15.331	.14707	1.0704	3.9506	.12311	1.4250	35.434	.15342
#1	.00327	.00035	4.7955	-.02398	.00096	9.7431	.00431	-.00055	-.03614
#2	.00034	.00043	4.7856	-.02435	.00101	9.7601	.00422	-.00091	-.03622
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4933.6**	**79467.**	**6768.3**
Stddev	1.6	109.	12.7
%RSD	.03317	.13738	.18700
#1	4934.8	79390.	6777.3
#2	4932.5	79544.	6759.4

Sample Name: ccv-2984587 Acquired: 11/16/2014 13:30:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00074**	F **.00406**	F **-.00119**	F **.00032**	F **-.00019**	F **-.00007**	**-.00183**	F **-.00045**	F **-.00001**	F **.00001**	F **-.00066**	F **.00011**
Stddev	.00027	.00224	.00096	.00012	.00003	.00004	.00069	.00049	.00006	.00033	.00014	.00036
%RSD	35.734	55.232	80.419	38.353	16.258	56.624	37.742	109.97	409.45	4573.5	20.804	335.80
#1	.00056	.00247	-.00187	.00040	-.00016	-.00004	-.00232	-.00010	-.00006	-.00022	-.00056	-.00015
#2	.00093	.00564	-.00051	.00023	-.00021	-.00010	-.00134	-.00079	.00003	.00024	-.00076	.00036
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00795**	F **-.02658**	F **-.00373**	F **.00144**	F **-.00005**	F **.00039**	F **.05300**	F **.00003**	F **.00125**	F **-.00208**	**-.00164**	F **-.00033**
Stddev	.00289	.03584	.00227	.00075	.00002	.00026	.00077	.00017	.00390	.00056	.00213	.00155
%RSD	36.304	134.82	60.944	52.294	36.823	66.745	1.4537	565.77	312.27	27.197	129.67	469.28
#1	.00999	-.00124	-.00534	.00091	-.00004	.00020	.05355	.00015	-.00151	-.00168	-.00014	.00077
#2	.00591	-.05193	-.00212	.00197	-.00006	.00057	.05246	-.00009	.00401	-.00247	-.00314	-.00143
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000		1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00295**	F **-.00519**	F **-.00019**	F **.00011**	**-.00061**	F **-.00023**	F **.00046**	**-.00662**	F **.00044**	F **-.00061**	F **-.00022**
Stddev	.00488	.00976	.00148	.00002	.00094	.00013	.00052	.00342	.00007	.00017	.00180
%RSD	165.54	187.98	759.37	17.281	153.45	56.290	114.02	51.749	16.584	28.439	831.78
#1	-.00050	-.01209	-.00124	.00012	.00005	-.00014	.00009	-.00904	.00050	-.00073	.00106
#2	.00640	.00171	.00085	.00010	-.00127	-.00032	.00082	-.00419	.00039	-.00049	-.00149
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5093.8**	**82504.**	**6741.7**
Stddev	2.1	99.	5.6
%RSD	.04204	.12020	.08235
#1	5092.3	82434.	6745.7
#2	5095.4	82574.	6737.8

Sample Name: ICB Acquired: 11/16/2014 13:32:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00039**	**-.00029**	**.00089**	**-.00046**	**.00007**	**.00003**	**-.00071**	**.00018**	**-.00003**	**-.00046**
Stddev	.00010	.00078	.00132	.00070	.00027	.00005	.00204	.00073	.00014	.00007	.00006
%RSD	1145.7	197.44	448.94	78.157	59.443	78.198	6059.4	102.80	78.670	272.89	13.258
#1	-.00008	-.00094	-.00122	.00138	-.00066	.00011	.00147	-.00123	.00029	.00002	-.00050
#2	.00006	.00016	.00064	.00040	-.00027	.00003	-.00141	-.00019	.00008	-.00008	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00162**	**-.04211**	W **-.00417**	**.00098**	**-.00008**	**.00032**	**.00455**	**-.00011**	**-.00233**	**.00037**
Stddev	.00020	.00108	.01883	.00125	.00014	.00004	.00018	.01520	.00038	.00146	.00002
%RSD	151.30	66.767	44.714	29.965	13.750	45.489	55.341	334.32	330.27	62.435	4.0479
#1	-.00028	.00238	-.05542	-.00328	.00108	-.00010	.00019	.01529	-.00038	-.00130	.00036
#2	.00001	.00085	-.02879	-.00505	.00089	-.00005	.00045	-.00620	.00015	-.00336	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00077**	**.00067**	**.00395**	**-.00011**	**.00003**	**-.00093**	**-.00020**	**-.00032**	**.00763**	**.00031**
Stddev	.00171	.00050	.00130	.02263	.00058	.00005	.00127	.00011	.00000	.03485	.00027
%RSD	157.99	64.440	192.50	572.76	522.88	149.16	136.68	53.811	.52438	457.00	87.419
#1	.00229	.00042	.00159	.01996	.00030	-.00000	-.00183	-.00028	-.00033	.03227	.00012
#2	-.00013	.00112	-.00024	-.01205	-.00052	.00007	-.00003	-.00013	-.00032	-.01702	.00050
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00006**	**-.00075**
Stddev	.00023	.00069
%RSD	377.66	92.712
#1	.00022	-.00026
#2	-.00010	-.00124
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5132.4**	**84102.**	**6776.7**
Stddev	8.2	219.	19.7
%RSD	.15943	.26037	.29040
#1	5138.2	83947.	6790.6
#2	5126.6	84257.	6762.8

Sample Name: cri-2993289 Acquired: 11/16/2014 13:35:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00945**	**.10834**	**.01096**	**.10162**	**.00482**	**.00095**	**.10676**	**.21082**	**.00523**	**.00506**	**.00975**	**.01042**
Stddev	.00021	.00142	.00064	.00074	.00010	.00005	.00081	.00083	.00006	.00003	.00032	.00013
%RSD	2.2110	1.3146	5.8752	.72895	2.1583	4.9180	.76291	.39262	1.1690	.56571	3.3142	1.2904
#1	.00930	.10934	.01051	.10110	.00475	.00099	.10733	.21023	.00527	.00504	.00952	.01052
#2	.00959	.10733	.01142	.10215	.00489	.00092	.10618	.21140	.00519	.00508	.00998	.01033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03190**	**.99087**	**.00982**	**.20828**	**.00322**	**.01062**	**1.0605**	**.01050**	**.99464**	**.00265**	**.09438**	W **.01241**
Stddev	.00262	.00242	.00177	.00107	.00004	.00005	.0036	.00008	.00168	.00013	.00053	.00016
%RSD	8.2078	.24375	18.003	.51448	1.1526	.51033	.33748	.78925	.16910	4.8037	.56366	1.3269
#1	.03375	.98916	.00857	.20904	.00325	.01066	1.0631	.01044	.99345	.00256	.09475	.01230
#2	.03005	.99257	.01107	.20752	.00320	.01058	1.0580	.01056	.99583	.00274	.09400	.01253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn
Value												.01000
Range												20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01103**	**.50942**	**.02132**	**.00522**	**.00979**	**.00998**	**.00978**	W **.04743**	**.00952**	**.01012**	**.01119**
Stddev	.00008	.00482	.00039	.00009	.00010	.00031	.00089	.00541	.00048	.00110	.00060
%RSD	.70146	.94673	1.8269	1.7881	1.0189	3.0787	9.1008	11.415	5.0149	10.819	5.4075
#1	.01108	.51283	.02160	.00515	.00986	.00976	.00915	.04360	.00918	.01090	.01076
#2	.01097	.50601	.02105	.00528	.00972	.01020	.01041	.05126	.00985	.00935	.01161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								-20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5146.8**	**83665.**	**6838.4**
Stddev	6.2	76.	54.0
%RSD	.12046	.09081	.78977
#1	5142.4	83612.	6800.3
#2	5151.2	83719.	6876.6

Sample Name: icsa-2991198 Acquired: 11/16/2014 13:38:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00202**	**.00072**	**.00073**	W **-.00083**	**-.00004**	**-.00043**	F **-.00277**	**.00012**	**-.00015**	**-.00062**
Stddev	.00006	.00047	.00053	.00062	.00012	.00003	.00000	.00184	.00015	.00018	.00016
%RSD	34.478	23.424	73.702	85.665	14.125	94.370	1.0804	66.326	131.30	119.25	25.556
#1	.00021	-.00235	.00109	.00029	-.00075	-.00001	-.00043	-.00407	.00001	-.00002	-.00051
#2	.00013	-.00168	.00034	.00117	-.00091	-.00006	-.00043	-.00147	.00023	-.00028	-.00074
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058			600.00			
Low Limit					-.00058			400.00			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**-.00044**	**-.14355**	F **-.00532**	F **.00218**	**-.00005**	**.00012**	**-.05602**	**-.00001**	**.00688**	**-.00167**
Stddev	.00095	.00078	.01523	.00194	.00168	.00000	.00010	.00470	.00021	.00298	.00019
%RSD	155.07	174.96	10.607	36.531	77.223	7.6543	82.511	8.3817	1923.6	43.362	11.565
#1	-.00128	.00011	-.15431	-.00669	.00099	-.00004	.00020	-.05270	-.00016	.00477	-.00181
#2	.00006	-.00099	-.13278	-.00394	.00337	-.00005	.00005	-.05934	.00014	.00899	-.00153
Check ?	Chk Pass	None	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522	600.00						
Low Limit				-.00522	400.00						

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00298**	**.00088**	**.00167**	**-.01426**	**.00095**	**-.00001**	**-.00019**	**-.00027**	**-.00091**	**-.01711**	**.00001**
Stddev	.00161	.00034	.00311	.00445	.00021	.00006	.00102	.00013	.00175	.00125	.00001
%RSD	53.819	38.520	186.31	31.179	22.397	692.47	547.27	50.232	193.08	7.3204	67.962
#1	-.00185	.00064	-.00053	-.01740	.00080	-.00005	-.00091	-.00017	-.00214	-.01799	.00002
#2	-.00412	.00112	.00386	-.01112	.00110	.00003	.00054	-.00036	.00033	-.01622	.00001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00056**	**.00190**
Stddev	.00044	.00052
%RSD	78.080	27.561
#1	-.00087	.00227
#2	-.00025	.00153
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5122.7**	**96271.**	**11509.**
Stddev	49.8	12628.	278.
%RSD	.97173	13.117	2.4147
#1	5157.9	105200.	11706.
#2	5087.5	87342.	11313.

Sample Name: ccv-2984587 Acquired: 11/16/2014 13:44:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47868**	**.49489**	**.95000**	**.47859**	**.48914**	**.47508**	**.00772**	**4.8340**	**.47682**	**.47913**	**.48013**	**.48008**	**2.4233**
Stddev	.00053	.00021	.00304	.00212	.00073	.00015	.00165	.0003	.00011	.00037	.00065	.00146	.0002
%RSD	.10978	.04213	.32029	.44248	.14863	.03230	21.297	.00607	.02237	.07739	.13550	.30473	.00645
#1	.47831	.49474	.94785	.47709	.48863	.47497	.00656	4.8338	.47674	.47940	.48059	.47905	2.4232
#2	.47905	.49503	.95215	.48008	.48965	.47519	.00889	4.8342	.47689	.47887	.47967	.48112	2.4234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.619**	**.99596**	**19.079**	**.48044**	**.47826**	**4.9033**	**.48202**	**.95431**	**.96688**	**-.00756**	**.95026**	**.95789**	**4.7498**
Stddev	.001	.00055	.027	.00024	.00097	.0084	.00080	.00303	.00227	.00530	.00037	.00063	.0211
%RSD	.00260	.05551	.14148	.05002	.20209	.17087	.16622	.31766	.23527	70.079	.03868	.06624	.44409
#1	47.618	.99635	19.098	.48027	.47894	4.8974	.48146	.95646	.96849	-.01131	.95052	.95745	4.7647
#2	47.620	.99557	19.060	.48061	.47757	4.9093	.48259	.95217	.96527	-.00381	.95000	.95834	4.7349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96134**	**.48936**	**.00888**	**.47853**	**.97412**	**.03264**	**.47329**	**.48134**	**.47811**
Stddev	.00112	.00052	.00002	.00055	.00116	.01705	.00026	.00054	.00056
%RSD	.11631	.10724	.23649	.11525	.11924	52.233	.05514	.11256	.11742
#1	.96055	.48899	.00890	.47892	.97494	.02059	.47348	.48096	.47851
#2	.96213	.48973	.00887	.47814	.97330	.04470	.47311	.48173	.47771
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5067.9**	**82113.**	**6830.5**
Stddev	14.4	56.	10.0
%RSD	.28458	.06800	.14620
#1	5057.7	82074.	6823.4
#2	5078.1	82153.	6837.5

Sample Name: cri- Acquired: 11/16/2014 13:50:17 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00017**	F **-.00059**	F **.00297**	F **.00050**	F **-.00019**	F **-.00000**	F **-.00067**	F **.00261**	F **.00024**	F **-.00014**	F **-.00058**	F **.00002**
Stddev	.00009	.00045	.00115	.00007	.00010	.00003	.00081	.00294	.00002	.00044	.00018	.00013
%RSD	54.814	76.276	38.807	14.734	55.559	1359.5	120.75	112.70	9.7833	323.90	30.890	651.97
#1	-.00010	-.00027	.00379	.00045	-.00026	-.00002	-.00010	.00470	.00026	-.00045	-.00045	-.00007
#2	-.00024	-.00092	.00216	.00055	-.00011	.00002	-.00124	.00053	.00023	.00018	-.00071	.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01000	.10000	.00500	.00100	.10000	.20000	.00500	.00500	.01000	.01000
Range	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00229**	F **-.07554**	F **-.00211**	F **.00093**	F **.00000**	F **.00016**	F **-.02929**	F **.00004**	F **.00195**	F **-.00043**	**.00123**	**.01082**
Stddev	.00001	.00840	.00132	.00160	.00006	.00042	.00092	.00012	.00209	.00046	.00324	.00062
%RSD	.32565	11.116	62.462	172.19	1395.7	261.24	3.1466	304.85	106.66	109.00	263.63	5.7466
#1	-.00230	-.08148	-.00118	.00206	-.00004	.00046	-.02994	.00013	.00343	-.00010	-.00106	.01126
#2	-.00229	-.06960	-.00305	-.00020	.00004	-.00014	-.02864	-.00005	.00048	-.00076	.00352	.01038
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Pass
Value	.03000	1.0000	.01000	.20000	.00300	.01000	1.0000	.01000	1.0000	.00300		
Range	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00280**	F **.00160**	F **-.00054**	F **.00003**	F **-.00124**	F **-.00003**	F **-.00019**	F **-.00898**	F **-.00022**	F **-.00035**	F **-.00172**
Stddev	.00086	.00832	.00070	.00000	.00040	.00003	.00077	.04548	.00030	.00056	.00034
%RSD	30.568	520.50	130.58	9.5718	32.277	106.75	405.03	506.51	136.14	161.49	19.862
#1	-.00341	.00748	-.00104	.00003	-.00153	-.00005	-.00074	-.04113	-.00001	.00005	-.00148
#2	-.00220	-.00428	-.00004	.00004	-.00096	-.00001	.00036	.02318	-.00044	-.00074	-.00196
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.50000	.02000	.00500	.01000	.01000	.01000	.06000	.01000	.01000	.01000
Range	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%	-50.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5128.4**	**83833.**	**6737.6**
Stddev	.1	110.	13.7
%RSD	.00223	.13158	.20386
#1	5128.3	83911.	6747.3
#2	5128.4	83755.	6727.9

Sample Name: icsa-2991198 Acquired: 11/16/2014 13:53:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**513.94**	**-.00253**	F **.00410**	**-.00036**	**.00003**	**-.00232**	W **435.02**	F **.00123**	**-.00063**	F **.00189**
Stddev	.00021	3.25	.00134	.00067	.00009	.00001	.00148	47.28	.00018	.00005	.00044
%RSD	75.194	.63281	52.923	16.442	25.093	25.935	63.600	10.868	14.399	8.5146	23.387
#1	-.00013	516.24	-.00348	.00363	-.00030	.00003	-.00337	401.59	.00110	-.00067	.00220
#2	-.00043	511.64	-.00159	.00458	-.00043	.00004	-.00128	468.45	.00135	-.00060	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Warn	Chk Fail	Chk Pass	Chk Fail
High Limit				.00312				550.00	.00080		.00123
Low Limit				-.00312				450.00	-.00080		-.00132

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00269**	**191.33**	**-.14426**	W **-.00391**	**508.06**	F **.00095**	**-.00180**	**.02772**	F **.00641**	**-.00479**	W **-.00315**
Stddev	.00026	.98	.01738	.00031	.39	.00007	.00005	.00014	.00053	.00470	.00307
%RSD	9.4692	.51345	12.048	7.9248	.07594	7.4875	2.6696	.49944	8.2362	98.306	97.266
#1	.00251	192.02	-.15655	-.00369	508.34	.00090	-.00176	.02762	.00678	-.00146	-.00098
#2	.00287	190.63	-.13197	-.00413	507.79	.00100	-.00183	.02782	.00604	-.00811	-.00532
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn
High Limit	.00136			.00261		.00051			.00258		.00261
Low Limit	-.00136			-.00261		-.00051			-.00258		-.00261

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.12750**	W **.00356**	**.00220**	**.01298**	**-.00163**	F **.00466**	**-.00961**	W **.00084**	**.00376**	**-.00395**	W **.00122**
Stddev	.00545	.00126	.00094	.00039	.00140	.00011	.00177	.00019	.00187	.00509	.00040
%RSD	4.2716	35.489	42.919	3.0265	86.032	2.4648	18.435	22.679	49.632	128.95	32.800
#1	-.13135	.00266	.00286	.01326	-.00263	.00474	-.01086	.00098	.00508	-.00755	.00093
#2	-.12365	.00445	.00153	.01271	-.00064	.00458	-.00836	.00071	.00244	-.00035	.00150
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	None	Chk Warn
High Limit		.00314				.00060		.00060			.00111
Low Limit		-.00314				-.00060		-.00060			-.00111

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00009**	**-.00060**
Stddev	.00007	.00058
%RSD	81.887	96.149
#1	-.00004	-.00101
#2	-.00014	-.00019
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4541.2**	**71846.**	**6502.5**
Stddev	2.7	25.	171.5
%RSD	.05990	.03434	2.6373
#1	4543.1	71864.	6381.2
#2	4539.2	71829.	6623.7

Sample Name: icsab-2980595 Acquired: 11/16/2014 13:57:03 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0750**	**504.30**	**1.9465**	**1.8779**	**.51456**	**.47467**	**1.0254**	**473.99**	**1.0119**	**.45860**	**.48576**	**.52365**	**188.68**	**49.922**
Stddev	.0021	2.47	.0029	.0027	.00146	.00082	.0016	17.11	.0032	.00028	.00079	.00073	.89	.264
%RSD	.19273	.48988	.14660	.14510	.28459	.17172	.15176	3.6102	.31936	.06147	.16343	.14025	.47313	.52787
#1	1.0735	502.55	1.9486	1.8798	.51352	.47409	1.0265	461.89	1.0142	.45880	.48632	.52314	188.05	49.735
#2	1.0764	506.05	1.9445	1.8760	.51560	.47525	1.0243	486.09	1.0096	.45840	.48520	.52417	189.31	50.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0402**	**488.24**	**.49106**	**.96115**	**50.657**	**.92925**	**1.9622**	**.92052**	**9.8926**	**.96320**	**4.7389**	**10.063**	**9.1046**	**.99624**
Stddev	.0027	4.74	.00091	.00064	.056	.00188	.0090	.00135	.0313	.00012	.0011	.063	.0136	.00238
%RSD	.26428	.97098	.18497	.06631	.11051	.20270	.46041	.14656	.31629	.01259	.02273	.62475	.14942	.23896
#1	1.0383	491.59	.49170	.96070	50.696	.93058	1.9686	.92147	9.9148	.96329	4.7397	10.019	9.1142	.99456
#2	1.0422	484.89	.49041	.96160	50.617	.92792	1.9558	.91956	9.8705	.96312	4.7382	10.108	9.0950	.99792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9114**	**.97355**	**8.3893**	**.06530**	**.50197**	**.95445**	**.98702**
Stddev	.0004	.00157	.0088	.01570	.00001	.00320	.00111
%RSD	.01928	.16120	.10495	24.040	.00212	.33554	.11270
#1	1.9111	.97466	8.3955	.07640	.50198	.95672	.98780
#2	1.9116	.97244	8.3831	.05420	.50196	.95219	.98623
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4497.1**	**71796.**	**6459.0**
Stddev	11.4	249.	199.8
%RSD	.25243	.34712	3.0929
#1	4489.0	71619.	6600.2
#2	4505.1	71972.	6317.7

Sample Name: LRA-2959978 Acquired: 11/16/2014 14:00:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00196**	**-.63036**	**9.7398**	**9.6637**	**12.326**	**-.00222**	**.20734**	**.08425**	**1.9361**	**5.0136**	**10.044**	**10.293**
Stddev	.00075	.00482	.0121	.0160	.047	.00018	.00402	.00489	.0027	.0146	.026	.027
%RSD	38.553	.76527	.12450	.16523	.37745	8.1373	1.9375	5.8086	.14005	.29195	.26301	.26179
#1	.00142	-.62695	9.7483	9.6750	12.359	-.00209	.20450	.08771	1.9380	5.0239	10.063	10.312
#2	.00249	-.63377	9.7312	9.6524	12.293	-.00234	.21018	.08079	1.9342	5.0032	10.025	10.273
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000											
Range	-10.000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**522.54**	**-.34390**	**-.00288**	**.15370**	**9.8898**	**5.0039**	**-.01215**	**10.018**	**-.01855**	**10.127**	**-.14002**	**-.08221**
Stddev	.59	.06219	.00275	.00212	.0397	.0085	.00221	.030	.00095	.025	.00541	.00002
%RSD	.11330	18.083	95.254	1.3824	.40181	.17055	18.198	.30129	5.1196	.24940	3.8603	.01834
#1	522.96	-.29992	-.00094	.15521	9.9179	5.0099	-.01372	10.039	-.01788	10.145	-.14385	-.08222
#2	522.12	-.38787	-.00483	.15220	9.8617	4.9978	-.01059	9.9968	-.01922	10.109	-.13620	-.08220
Check ?	Chk Pass	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8765**	**48.983**	**-.00996**	**10.313**	**.30094**	**9.8378**	**4.9958**	**.16699**	**9.6738**	**9.5529**	**-.00567**
Stddev	.0165	.182	.00025	.063	.00227	.0079	.0153	.02192	.0089	.0037	.00026
%RSD	.33896	.37190	2.5074	.60831	.75273	.08047	.30594	13.126	.09158	.03861	4.6625
#1	4.8882	48.854	-.01013	10.268	.29934	9.8434	5.0066	.18249	9.6801	9.5555	-.00586
#2	4.8648	49.112	-.00978	10.357	.30254	9.8322	4.9850	.15149	9.6675	9.5503	-.00548
Check ?	None	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4873.3**	**81036.**	**6642.4**
Stddev	27.0	136.	1.6
%RSD	.55477	.16818	.02394
#1	4854.2	81132.	6643.5
#2	4892.4	80939.	6641.2

Sample Name: ccvh-2982968 Acquired: 11/16/2014 14:03:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00616**	**50.446**	**.00381**	**.03319**	**.00191**	**-.00001**	**.97348**	**-.08148**	**-.00005**	**.00210**	**.00077**	**-.00074**	**50.959**
Stddev	.00009	.048	.00265	.00340	.00012	.00002	.00186	.00120	.00010	.00043	.00015	.00013	.073
%RSD	1.4612	.09443	69.541	10.229	6.4502	187.31	.19067	1.4760	189.92	20.494	18.940	17.371	.14336
#1	.00622	50.479	.00194	.03559	.00199	-.00002	.97217	-.08063	-.00013	.00241	.00067	-.00065	51.010
#2	.00610	50.412	.00568	.03079	.00182	.00000	.97479	-.08233	.00002	.00180	.00088	-.00083	50.907
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06066**	**-.00116**	**.15259**	**-.00174**	**-.00007**	**250.54**	**.00235**	**.00495**	**.00279**	**4.8439**	**.00496**	**.00740**	**.03386**
Stddev	.00529	.00001	.00098	.00004	.00034	.31	.00041	.00204	.00242	.0047	.00027	.00096	.01413
%RSD	8.7278	.71690	.64528	2.0147	472.98	.12308	17.421	41.306	86.697	.09713	5.3887	13.031	41.720
#1	-.06441	-.00116	.15328	-.00172	.00017	250.76	.00264	.00639	.00108	4.8473	.00477	.00808	.04385
#2	-.05692	-.00115	.15189	-.00177	-.00031	250.32	.00206	.00350	.00450	4.8406	.00515	.00672	.02387
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00206**	**4.7591**	**-.02190**	**.00196**	**9.6704**	**.00554**	**.00087**	**-.03053**
Stddev	.00001	.00025	.0133	.00008	.00056	.0682	.00011	.00022	.00094
%RSD	1.2025	11.940	.28020	.36359	28.579	.70475	2.0704	25.857	3.0934
#1	.00100	.00223	4.7497	-.02196	.00156	9.7186	.00562	.00071	-.02987
#2	.00101	.00188	4.7686	-.02184	.00235	9.6222	.00545	.00103	-.03120
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4938.1**	**79876.**	**6712.1**
Stddev	1.7	175.	2.4
%RSD	.03432	.21913	.03554
#1	4939.3	80000.	6713.8
#2	4936.9	79753.	6710.4

Sample Name: ccv-2984587 Acquired: 11/16/2014 14:06:05 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47773**	**.50810**	**.95348**	**.49090**	**.49857**	**.47740**	**.00615**	**4.8508**	**.47770**	**.48009**	**.48246**	**.48250**	**2.4633**
Stddev	.00072	.00053	.00565	.00093	.00194	.00113	.00101	.0151	.00021	.00035	.00003	.00149	.0152
%RSD	.15173	.10450	.59233	.18886	.38845	.23631	16.497	.31167	.04388	.07374	.00532	.30858	.61621
#1	.47721	.50848	.94949	.49025	.49994	.47820	.00543	4.8615	.47755	.48034	.48244	.48145	2.4740
#2	.47824	.50773	.95747	.49156	.49720	.47661	.00686	4.8401	.47785	.47984	.48248	.48355	2.4525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.732**	**1.0128**	**19.012**	**.48042**	**.48266**	**4.9952**	**.48354**	**.95891**	**.97094**	**-.00773**	**.95357**	**.96378**	**4.8071**
Stddev	.137	.0014	.021	.00058	.00080	.0244	.00024	.00010	.00142	.00634	.00204	.00325	.0010
%RSD	.28777	.14146	.11072	.12132	.16609	.48914	.04975	.01017	.14619	81.945	.21373	.33684	.02080
#1	47.829	1.0138	18.997	.48001	.48209	5.0125	.48337	.95897	.96994	-.01221	.95212	.96608	4.8078
#2	47.635	1.0118	19.027	.48083	.48323	4.9779	.48371	.95884	.97194	-.00325	.95501	.96149	4.8064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96294**	**.49641**	**.01097**	**.48081**	**.97585**	**.01279**	**.47225**	**.47998**	**.48230**
Stddev	.00188	.00230	.00364	.00047	.00011	.00114	.00108	.00096	.00681
%RSD	.19533	.46339	33.208	.09841	.01137	8.8760	.22833	.20004	1.4121
#1	.96161	.49803	.00840	.48114	.97593	.01360	.47149	.47930	.48711
#2	.96427	.49478	.01355	.48047	.97578	.01199	.47301	.48066	.47748
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5047.1**	**81923.**	**6722.7**
Stddev	7.5	196.	29.8
%RSD	.14875	.23982	.44401
#1	5052.4	81784.	6701.6
#2	5041.8	82062.	6743.8

Sample Name: CCB Acquired: 11/16/2014 14:08:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00495**	**-.00315**	F **.00952**	**-.00003**	**.00005**	**-.00231**	**.00711**	**.00027**	**.00004**	**-.00036**	**.00042**
Stddev	.00018	.00165	.00150	.00072	.00014	.00000	.00456	.00376	.00005	.00002	.00027	.00029
%RSD	246.21	33.344	47.713	7.5695	475.44	8.5064	197.09	52.840	17.017	54.757	76.742	69.842
#1	-.00005	.00612	-.00209	.01002	.00007	.00005	.00091	.00976	.00030	.00006	-.00055	.00063
#2	.00020	.00379	-.00421	.00901	-.00013	.00005	-.00554	.00445	.00023	.00003	-.00016	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01753**	**-.06064**	**-.00160**	**.00973**	W **.00026**	**.00072**	**-.03045**	**.00048**	**.00226**	**-.00054**	**-.00368**	**.00149**
Stddev	.00250	.08045	.00132	.00189	.00002	.00025	.01234	.00005	.00004	.00077	.00151	.00086
%RSD	14.254	132.67	82.369	19.390	7.3808	35.324	40.520	10.159	1.8556	142.79	40.926	57.715
#1	.01577	-.11753	-.00067	.00840	.00027	.00090	-.02173	.00051	.00229	.00001	-.00475	.00210
#2	.01930	-.00375	-.00254	.01107	.00024	.00054	-.03918	.00044	.00224	-.00109	-.00262	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					.00025							
Low Limit					-.00025							

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.01717**	**.00086**	W **.00033**	**-.00077**	**.00036**	**-.00044**	**-.00098**	**.00098**	**.00006**	**-.00006**
Stddev	.00156	.01021	.00107	.00006	.00062	.00045	.00003	.02429	.00052	.00006	.00182
%RSD	60.812	59.460	125.09	17.240	80.201	122.25	6.0371	2475.4	53.448	114.24	2843.6
#1	.00366	.00995	.00161	.00037	-.00033	.00068	-.00046	-.01815	.00061	.00001	-.00135
#2	.00146	.02440	.00010	.00029	-.00121	.00005	-.00042	.01619	.00135	.00010	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00030							
Low Limit				-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5094.2**	**83276.**	**6698.6**
Stddev	2.7	4.	4.2
%RSD	.05262	.00479	.06209
#1	5096.1	83273.	6701.5
#2	5092.3	83279.	6695.7

Sample Name: CCVL2993285 Acquired: 11/16/2014 14:11:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.11365**	**.01731**	**.10701**	**.01092**	**.00107**	**.11156**	**.22157**	**.00526**	**.01091**	**.00999**	**.01631**
Stddev	.00028	.00069	.00509	.00033	.00011	.00010	.00067	.00233	.00002	.00004	.00014	.00000
%RSD	2.5872	.60500	29.423	.31184	1.0149	9.1413	.59788	1.0522	.38008	.37091	1.3630	.01142
#1	.01054	.11414	.02091	.10725	.01100	.00114	.11204	.21992	.00527	.01089	.01009	.01631
#2	.01093	.11316	.01371	.10678	.01085	.00100	.11109	.22322	.00525	.01094	.00989	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11561**	**3.1419**	**.01103**	**.22160**	**.01079**	**.02064**	**1.0751**	**.04247**	**3.0016**	**.00907**	**-.00245**	**.01043**
Stddev	.00007	.0062	.00011	.00356	.00004	.00024	.0001	.00008	.0103	.00057	.00367	.00017
%RSD	.05901	.19871	.98293	1.6082	.37068	1.1858	.00666	.18295	.34420	6.3135	149.59	1.6721
#1	.11566	3.1375	.01096	.22412	.01082	.02046	1.0750	.04241	2.9943	.00866	-.00505	.01030
#2	.11556	3.1463	.01111	.21908	.01077	.02081	1.0751	.04252	3.0089	.00947	.00014	.01055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01871**	**.50864**	**.10442**	**.01103**	**.01317**	**.01062**	**.01568**	**.06951**	**.01003**	**.02152**	**.01705**
Stddev	.00006	.00630	.00045	.00007	.00011	.00008	.00009	.01587	.00021	.00069	.00142
%RSD	.33072	1.2383	.43003	.67497	.86090	.72485	.56418	22.837	2.0760	3.2238	8.3437
#1	.01867	.51310	.10410	.01108	.01325	.01057	.01574	.08074	.00988	.02201	.01604
#2	.01875	.50419	.10473	.01098	.01309	.01068	.01561	.05829	.01018	.02103	.01805
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5127.1**	**83474.**	**6753.1**
Stddev	5.8	12.	9.7
%RSD	.11266	.01496	.14331
#1	5123.0	83465.	6760.0
#2	5131.2	83483.	6746.3

Sample Name: MB 280-251550/1-A Acquired: 11/16/2014 14:13:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/6 Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00265**	**.00242**	**.00378**	**-.00042**	**.00005**	**.00118**	**.01129**	**.00023**
Stddev	.00009	.00013	.00091	.00063	.00017	.00007	.00035	.00038	.00006
%RSD	66.996	4.7576	37.722	16.648	40.629	133.51	30.044	3.4002	28.267
#1	.00007	.00256	.00307	.00422	-.00055	.00010	.00143	.01102	.00018
#2	.00019	.00274	.00178	.00333	-.00030	.00000	.00093	.01156	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00031**	**.00068**	**.01677**	**-.09047**	**-.00328**	**.00616**	**.00030**	**.00038**
Stddev	.00005	.00026	.00050	.00152	.03826	.00134	.00032	.00004	.00007
%RSD	39.133	82.682	73.273	9.0354	42.291	40.910	5.2326	14.385	17.989
#1	-.00009	-.00013	.00033	.01784	-.11752	-.00233	.00639	.00033	.00043
#2	-.00015	-.00049	.00103	.01570	-.06341	-.00423	.00594	.00027	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02887**	**.00017**	**.00080**	**-.00119**	**.00532**	**.00106**	**.00034**	**.00414**	**.00105**
Stddev	.00077	.00012	.00134	.00051	.00233	.00001	.00313	.00359	.00097
%RSD	2.6744	68.040	167.05	42.865	43.848	.59030	908.11	86.522	92.758
#1	-.02832	.00009	.00174	-.00155	.00367	.00105	.00255	.00161	.00173
#2	-.02941	.00025	-.00014	-.00083	.00696	.00106	-.00187	.00668	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00024**	**.00018**	**-.00020**	**.00775**	**-.00033**	**.00128**	**-.00042**
Stddev	.00009	.00105	.00008	.00021	.03591	.00065	.00106	.00155
%RSD	43.920	428.25	43.208	103.02	463.43	195.80	82.698	372.05
#1	.00026	.00050	.00023	-.00006	.03314	-.00079	.00203	.00068
#2	.00013	-.00099	.00012	-.00035	-.01765	.00013	.00053	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5167.8**	**84592.**	**6833.4**
Stddev	3.1	159.	41.4
%RSD	.06031	.18770	.60599
#1	5170.0	84704.	6862.7
#2	5165.6	84480.	6804.1

Sample Name: LCS 280-251550/2-A Acquired: 11/16/2014 14:16:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05549**	**2.0538**	**1.0292**	**1.0713**	**2.1706**	**.05143**	**2.1540**	**52.242**	**.10025**
Stddev	.00068	.0069	.0001	.0001	.0004	.00017	.0003	.004	.00014
%RSD	1.2267	.33454	.01097	.00716	.01997	.33826	.01149	.00786	.13989
#1	.05597	2.0587	1.0293	1.0713	2.1709	.05155	2.1538	52.239	.10015
#2	.05501	2.0490	1.0291	1.0712	2.1703	.05131	2.1542	52.245	.10035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51269**	**.20954**	**.26289**	**1.0457**	**52.227**	**1.0955**	**51.325**	**.51567**	**1.0639**
Stddev	.00025	.00015	.00058	.0021	.008	.0001	.053	.00022	.0008
%RSD	.04844	.07139	.22075	.20277	.01515	.00833	.10389	.04343	.07282
#1	.51286	.20965	.26248	1.0472	52.232	1.0956	51.287	.51583	1.0644
#2	.51251	.20944	.26330	1.0442	52.221	1.0954	51.363	.51551	1.0634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.753**	**.51231**	**10.860**	**.52226**	**2.1210**	**.52541**	**2.1177**	**10.500**	**2.0983**
Stddev	.222	.00095	.013	.00059	.0021	.00146	.0019	.014	.0008
%RSD	.40609	.18595	.11971	.11334	.09821	.27763	.09191	.13070	.04062
#1	54.596	.51299	10.869	.52268	2.1196	.52645	2.1163	10.509	2.0989
#2	54.910	.51164	10.850	.52184	2.1225	.52438	2.1191	10.490	2.0977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0762**	**1.0073**	**1.0457**	**2.0541**	**2.0843**	**.51544**	**.51372**	**.52047**
Stddev	.0001	.0005	.0001	.0046	.0257	.00059	.00258	.00170
%RSD	.01092	.05094	.01100	.22293	1.2325	.11409	.50292	.32577
#1	1.0761	1.0077	1.0456	2.0509	2.1024	.51502	.51190	.51927
#2	1.0763	1.0070	1.0458	2.0574	2.0661	.51585	.51555	.52167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4943.4**	**81317.**	**6798.8**
Stddev	3.0	84.	1.9
%RSD	.06081	.10299	.02782
#1	4945.6	81258.	6800.1
#2	4941.3	81376.	6797.4

Sample Name: 280-62001-A-2-A Acquired: 11/16/2014 14:19:08 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00091**	**.00225**	**.51378**	**.12549**	**.00008**	**-.00356**	**185.13**	**.00030**
Stddev	.00005	.00143	.00399	.00010	.00022	.00001	.00098	.45	.00003
%RSD	55.820	156.37	176.81	.01905	.17889	7.4214	27.471	.24307	9.3239
#1	-.00006	-.00193	.00507	.51385	.12533	.00008	-.00287	184.81	.00028
#2	-.00013	.00010	-.00056	.51371	.12565	.00009	-.00425	185.45	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01324**	**-.00026**	**.00125**	**.17136**	**8.2289**	**.02848**	**28.554**	**.06996**	**.00125**
Stddev	.00009	.00010	.00004	.00194	.0245	.00098	.003	.00014	.00025
%RSD	.69377	39.435	2.8079	1.1310	.29760	3.4310	.00940	.20073	20.183
#1	.01318	-.00019	.00122	.17273	8.2462	.02917	28.556	.07006	.00142
#2	.01331	-.00033	.00127	.16999	8.2115	.02779	28.552	.06986	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**276.82**	**.00239**	**.03678**	**-.00111**	**27.239**	**.00198**	**-.00093**	**14.969**	**-.00008**
Stddev	.62	.00003	.00054	.00025	.012	.00088	.00171	.007	.00061
%RSD	.22323	1.4353	1.4673	22.997	.04558	44.718	183.56	.04988	757.01
#1	276.38	.00241	.03717	-.00129	27.230	.00135	-.00214	14.963	-.00052
#2	277.26	.00237	.03640	-.00093	27.248	.00260	.00028	14.974	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3377**	**-.00191**	**.00074**	**.00163**	**.03045**	**.00050**	**.00142**	**.00094**
Stddev	.0012	.00067	.00013	.00099	.02043	.00040	.00030	.00208
%RSD	.08667	35.381	17.497	60.570	67.108	80.299	20.961	221.40
#1	1.3369	-.00143	.00065	.00233	.01600	.00079	.00121	.00241
#2	1.3385	-.00238	.00083	.00093	.04489	.00022	.00163	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4784.4**	**78356.**	**6712.9**
Stddev	1.7	151.	35.5
%RSD	.03633	.19229	.52810
#1	4783.1	78462.	6737.9
#2	4785.6	78249.	6687.8

Sample Name: 280-62001-A-4-A Acquired: 11/16/2014 14:21:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00059**	**-.00033**	**.51512**	**.12526**	**.00004**	**-.00483**	**186.48**	**.00021**
Stddev	.00010	.00103	.00287	.00080	.00057	.00002	.00081	.69	.00016
%RSD	232.27	174.50	878.58	.15618	.45153	48.072	16.852	.36807	76.649
#1	.00003	-.00014	.00170	.51455	.12566	.00005	-.00541	186.97	.00010
#2	-.00011	.00132	-.00236	.51569	.12486	.00003	-.00426	186.00	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01340**	**-.00040**	**.00155**	**.16021**	**8.2210**	**.02623**	**28.667**	**.06765**	**.00121**
Stddev	.00026	.00031	.00004	.00082	.0432	.00056	.088	.00025	.00013
%RSD	1.9742	77.455	2.3836	.51097	.52606	2.1292	.30830	.36767	10.573
#1	.01321	-.00063	.00152	.16079	8.2516	.02662	28.729	.06783	.00112
#2	.01358	-.00018	.00157	.15963	8.1904	.02583	28.604	.06748	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**282.11**	**.00186**	**.03797**	**-.00195**	**27.537**	**.00272**	**-.00175**	**15.033**	**-.00078**
Stddev	.94	.00027	.00233	.00029	.046	.00073	.00531	.025	.00051
%RSD	.33306	14.795	6.1241	14.776	.16625	26.828	303.78	.16348	64.921
#1	282.77	.00166	.03632	-.00175	27.505	.00324	-.00550	15.050	-.00042
#2	281.44	.00205	.03961	-.00215	27.570	.00221	.00200	15.015	-.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3504**	**-.00292**	**.00010**	**.00182**	**.01413**	**.00004**	**.00254**	**.00083**
Stddev	.0027	.00126	.00008	.00106	.01793	.00017	.00008	.00229
%RSD	.20273	43.141	78.590	58.390	126.95	465.53	3.0540	277.90
#1	1.3523	-.00382	.00016	.00107	.00145	-.00008	.00248	.00245
#2	1.3485	-.00203	.00004	.00257	.02681	.00016	.00259	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4791.8**	**78445.**	**6682.7**
Stddev	8.3	198.	47.1
%RSD	.17225	.25253	.70505
#1	4797.6	78305.	6649.4
#2	4786.0	78586.	6716.0

Sample Name: 280-62001-A-6-A Acquired: 11/16/2014 14:24:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00066**	**.02813**	**.93852**	**.06621**	**.00000**	**-.00223**	**99.068**	**-.00014**
Stddev	.00021	.00039	.00033	.00003	.00060	.00005	.00131	.008	.00016
%RSD	102.72	58.539	1.1774	.00273	.90436	1539.4	58.767	.00776	113.10
#1	-.00006	.00039	.02789	.93851	.06579	-.00003	-.00315	99.074	-.00025
#2	-.00035	.00093	.02836	.93854	.06663	.00004	-.00130	99.063	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02043**	**-.00030**	**.00148**	**.00766**	**2.8761**	**.02641**	**19.370**	**.02992**	**.01108**
Stddev	.00006	.00006	.00036	.00136	.0563	.00004	.010	.00002	.00015
%RSD	.31363	20.268	24.252	17.785	1.9562	.15393	.04938	.05424	1.3882
#1	.02048	-.00026	.00173	.00862	2.8363	.02644	19.377	.02991	.01119
#2	.02038	-.00034	.00122	.00669	2.9159	.02638	19.363	.02993	.01098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **914.05**	**.01791**	**.04672**	**-.00128**	**16.227**	**.00011**	**-.00077**	**16.588**	**-.00131**
Stddev	1.31	.00021	.00124	.00133	.024	.00219	.00015	.043	.00040
%RSD	.14280	1.1719	2.6469	104.25	.14982	1999.9	19.078	.25994	30.860
#1	913.13	.01806	.04759	-.00222	16.210	.00166	-.00087	16.557	-.00103
#2	914.97	.01777	.04585	-.00034	16.244	-.00144	-.00067	16.618	-.00160
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94141**	**-.00159**	**-.00003**	**.00395**	**-.00032**	**.00063**	**.00570**	**-.00072**
Stddev	.00013	.00007	.00058	.00039	.00714	.00013	.00028	.00015
%RSD	.01376	4.3824	2079.1	9.9014	2257.6	21.019	4.8793	21.339
#1	.94150	-.00164	.00038	.00423	-.00537	.00054	.00550	-.00083
#2	.94132	-.00154	-.00044	.00367	.00473	.00073	.00590	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4648.4**	**75390.**	**6593.3**
Stddev	3.2	185.	4.3
%RSD	.06799	.24527	.06542
#1	4650.7	75260.	6590.3
#2	4646.2	75521.	6596.4

Sample Name: 280-62001-A-6-A SD@5 Acquired: 11/16/2014 14:27:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00102**	**.00608**	**.19135**	**.01257**	**.00006**	**.00091**	**19.171**	**.00007**
Stddev	.00040	.00044	.00226	.00074	.00024	.00008	.00250	.178	.00012
%RSD	89.616	43.286	37.152	.38866	1.9228	129.38	275.94	.92980	161.60
#1	.00072	-.00134	.00768	.19187	.01240	.00011	-.00086	19.045	.00016
#2	.00016	-.00071	.00449	.19082	.01275	.00000	.00268	19.297	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	**-.00037**	**.00056**	**.01155**	**.50372**	**.00368**	**3.9416**	**.00584**	**.00227**
Stddev	.00012	.00001	.00007	.00228	.00844	.00002	.0042	.00008	.00041
%RSD	2.8929	2.6122	12.610	19.751	1.6756	.67475	.10620	1.2899	17.985
#1	.00397	-.00037	.00051	.00993	.50969	.00370	3.9386	.00589	.00198
#2	.00414	-.00038	.00060	.01316	.49775	.00366	3.9446	.00579	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**178.51**	**.00378**	**.01175**	**-.00097**	**3.0170**	**.00077**	**.00128**	**3.1613**	**-.00095**
Stddev	1.48	.00043	.00180	.00072	.0061	.00177	.00419	.0615	.00035
%RSD	.82714	11.361	15.291	73.906	.20089	229.14	327.66	1.9462	36.599
#1	177.47	.00408	.01301	-.00148	3.0213	.00202	-.00169	3.1178	-.00071
#2	179.56	.00347	.01048	-.00046	3.0128	-.00048	.00425	3.2048	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18355**	**-.00150**	**-.00028**	**.00096**	**.00650**	**-.00028**	**.00083**	**.00107**
Stddev	.00185	.00167	.00023	.00164	.00908	.00007	.00015	.00185
%RSD	1.0083	111.34	82.811	170.37	139.81	26.338	18.305	173.70
#1	.18225	-.00032	-.00012	.00212	.01292	-.00023	.00093	.00238
#2	.18486	-.00268	-.00044	-.00020	.00007	-.00033	.00072	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4945.2**	**80872.**	**6749.1**
Stddev	.6	180.	45.2
%RSD	.01184	.22265	.66905
#1	4945.6	80745.	6781.0
#2	4944.8	81000.	6717.2

Sample Name: ccvh-2982968 Acquired: 11/16/2014 14:30:17 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**51.650**	**-.00169**	**.00562**	**-.00013**	**-.00005**	**1.0150**	**-.09189**	**-.00038**	**.00139**	**-.00008**	**-.00148**	**52.260**
Stddev	.00088	.068	.00053	.00015	.00013	.00003	.0035	.00025	.00002	.00005	.00017	.00041	.017
%RSD	13.785	.13078	31.160	2.6328	97.136	49.811	.34450	.27566	5.1525	3.6608	224.03	27.585	.03212
#1	.00703	51.698	-.00206	.00573	-.00004	-.00003	1.0175	-.09207	-.00036	.00136	.00004	-.00177	52.248
#2	.00578	51.602	-.00132	.00552	-.00022	-.00007	1.0125	-.09171	-.00039	.00143	-.00020	-.00119	52.272
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04646**	**-.00186**	**.13803**	**-.00295**	**-.00190**	**257.60**	**.00153**	**.00590**	**.00133**	**5.0397**	**.00841**	**.00788**	**.00508**
Stddev	.01778	.00031	.00073	.00002	.00017	1.40	.00008	.00065	.00046	.0001	.00129	.00299	.01365
%RSD	38.270	16.601	.52781	.82827	9.1985	.54520	5.3914	10.939	34.631	.00090	15.390	37.922	268.65
#1	-.03389	-.00207	.13854	-.00294	-.00203	258.59	.00159	.00544	.00166	5.0398	.00932	.00576	.01473
#2	-.05904	-.00164	.13751	-.00297	-.00178	256.60	.00147	.00636	.00101	5.0397	.00749	.00999	-.00457
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00207**	**.00053**	**4.9024**	**-.02477**	**.00157**	**9.9273**	**.00368**	**-.00034**	**-.03293**
Stddev	.00083	.00004	.0037	.00004	.00046	.0158	.00064	.00012	.00143
%RSD	40.227	7.4968	.07468	.16116	29.074	.15888	17.449	34.399	4.3530
#1	.00148	.00050	4.9050	-.02480	.00189	9.9162	.00414	-.00043	-.03394
#2	.00265	.00056	4.8998	-.02474	.00124	9.9385	.00323	-.00026	-.03191
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4916.7**	**79936.**	**6777.2**
Stddev	5.4	165.	41.4
%RSD	.11069	.20590	.61148
#1	4912.8	79819.	6747.9
#2	4920.5	80052.	6806.5

Sample Name: ccv-2984587 Acquired: 11/16/2014 14:32:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49545**	**.51781**	**.98884**	**.50040**	**.52155**	**.49817**	**.00811**	**5.0245**	**.49765**	**.49929**	**.50166**	**.50279**	**2.5407**
Stddev	.00043	.00311	.00037	.00026	.00013	.00051	.00489	.0107	.00004	.00009	.00041	.00077	.0040
%RSD	.08678	.60102	.03701	.05180	.02473	.10226	60.249	.21252	.00726	.01850	.08206	.15240	.15585
#1	.49576	.52001	.98910	.50059	.52146	.49781	.00465	5.0169	.49763	.49922	.50196	.50225	2.5379
#2	.49515	.51561	.98858	.50022	.52164	.49853	.01156	5.0320	.49768	.49935	.50137	.50333	2.5435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.729**	**1.0633**	**19.623**	**.49765**	**.50112**	**5.3730**	**.50257**	**1.0028**	**1.0045**	**-.00402**	**.98916**	**.99817**	**4.9948**
Stddev	.015	.0037	.001	.00010	.00124	.0014	.00064	.0011	.0002	.00475	.00139	.00433	.0067
%RSD	.02968	.34563	.00626	.02048	.24818	.02698	.12775	.11026	.01697	118.36	.14005	.43428	.13506
#1	49.718	1.0659	19.622	.49758	.50200	5.3741	.50302	1.0036	1.0044	-.00065	.99014	.99511	4.9900
#2	49.739	1.0607	19.624	.49772	.50024	5.3720	.50212	1.0020	1.0046	-.00738	.98818	1.0012	4.9996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0009**	**.51878**	**.01058**	**.49925**	**1.0066**	**-.00211**	**.48937**	**.49381**	**.50554**
Stddev	.0019	.00019	.00116	.00031	.0044	.02323	.00039	.00070	.00086
%RSD	.19363	.03756	11.015	.06219	.43579	1101.4	.08023	.14219	.17001
#1	1.0023	.51864	.01140	.49947	1.0035	-.01854	.48909	.49431	.50493
#2	.99958	.51891	.00975	.49903	1.0097	.01432	.48965	.49331	.50615
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5038.2**	**82555.**	**6768.3**
Stddev	5.3	169.	1.7
%RSD	.10423	.20524	.02482
#1	5034.5	82675.	6767.1
#2	5041.9	82435.	6769.5

Sample Name: CCB Acquired: 11/16/2014 14:35:24 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	F **.06861**	**.00233**	F **.00458**	**-.00025**	**.00003**	**.00020**	**.00637**	W **.00057**	**.00045**	**.00025**	**.00002**
Stddev	.00025	.09755	.00633	.00178	.00008	.00008	.00156	.00231	.00039	.00076	.00115	.00008
%RSD	978.47	142.18	271.57	38.915	32.442	295.23	789.03	36.261	67.730	170.70	466.12	334.87
#1	.00015	-.00037	-.00215	.00332	-.00019	-.00003	-.00090	.00801	.00030	-.00009	-.00057	-.00003
#2	-.00020	.13759	.00681	.00584	-.00031	.00008	.00130	.00474	.00085	.00099	.00106	.00008
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.03600		.00312					.00045			
Low Limit		-.03600		-.00312					-.00045			

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**-.04498**	**-.00232**	**.00684**	**.00004**	**.00120**	**.07455**	**.00081**	**.00126**	**.00006**	**.00990**	**.00050**
Stddev	.00157	.00170	.00141	.00118	.00004	.00046	.01001	.00106	.00254	.00183	.01740	.00096
%RSD	125.84	3.7692	60.792	17.269	83.670	38.635	13.428	131.08	201.87	3107.5	175.68	189.38
#1	.00014	-.04618	-.00132	.00600	.00002	.00087	.08163	.00006	.00305	-.00124	-.00240	.00118
#2	.00236	-.04379	-.00332	.00767	.00007	.00153	.06747	.00156	-.00054	.00136	.02221	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.00173**	**.00143**	**.00013**	**-.00035**	**.00002**	**.00222**	**.01106**	**.00033**	**-.00009**	**.00111**
Stddev	.00145	.01396	.00178	.00016	.00339	.00003	.00174	.04284	.00063	.00069	.00175
%RSD	43.640	805.19	124.95	117.61	980.55	124.01	78.298	387.27	190.27	803.83	158.65
#1	.00230	-.00814	.00017	.00024	-.00275	.00004	.00099	.04135	-.00011	.00040	.00234
#2	.00435	.01161	.00268	.00002	.00205	.00000	.00345	-.01923	.00078	-.00057	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5085.4**	**83449.**	**6708.7**
Stddev	3.5	112.	18.5
%RSD	.06939	.13399	.27557
#1	5082.9	83528.	6695.6
#2	5087.9	83370.	6721.8

Sample Name: CCVL2993285 Acquired: 11/16/2014 14:38:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01058**	**.11101**	**.01775**	**.10577**	**.01058**	**.00110**	**.11332**	**.22085**	**.00541**	**.01113**	**.01023**	**.01594**
Stddev	.00023	.00049	.00296	.00082	.00008	.00005	.00062	.00633	.00010	.00020	.00042	.00009
%RSD	2.1976	.44540	16.659	.77302	.77937	4.4535	.54334	2.8656	1.9417	1.8065	4.1398	.54723
#1	.01074	.11136	.01984	.10635	.01052	.00114	.11288	.22532	.00548	.01098	.00993	.01600
#2	.01041	.11066	.01566	.10519	.01063	.00107	.11375	.21637	.00533	.01127	.01053	.01588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10709**	**3.1375**	**.00989**	**.21983**	**.01077**	**.02117**	**1.1773**	**.04290**	**3.0662**	**.00875**	**.00191**	W **.01244**
Stddev	.00281	.0169	.00094	.00092	.00009	.00022	.0006	.00020	.0014	.00091	.00158	.00069
%RSD	2.6278	.53720	9.4633	.42054	.85839	1.0566	.05019	.45873	.04469	10.393	82.820	5.5784
#1	.10908	3.1256	.01055	.21918	.01083	.02101	1.1769	.04304	3.0652	.00811	.00303	.01294
#2	.10510	3.1494	.00923	.22048	.01070	.02133	1.1777	.04276	3.0672	.00939	.00079	.01195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn
Value												.01000
Range												20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01549**	**.54171**	**.10634**	**.01118**	**.01474**	**.01032**	**.01666**	W **.07403**	**.01046**	**.02144**	**.01556**
Stddev	.00009	.01983	.00187	.00001	.00054	.00002	.00081	.01252	.00026	.00023	.00004
%RSD	.58857	3.6600	1.7546	.10026	3.6764	.15123	4.8653	16.912	2.4582	1.0962	.28221
#1	.01543	.55573	.10766	.01119	.01512	.01033	.01609	.06518	.01064	.02127	.01553
#2	.01555	.52770	.10502	.01117	.01436	.01031	.01723	.08288	.01028	.02160	.01559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5100.0**	**83617.**	**6784.2**
Stddev	.6	80.	10.7
%RSD	.01268	.09518	.15732
#1	5099.5	83561.	6791.8
#2	5100.4	83674.	6776.7

Sample Name: 280-62001-A-6-B MS Acquired: 11/16/2014 14:40:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05622**	**1.8921**	**1.0607**	**1.8965**	**2.1694**	**.05039**	**2.0404**	**144.44**	**.09770**
Stddev	.00069	.0050	.0016	.0028	.0009	.00024	.0024	.19	.00013
%RSD	1.2335	.26280	.15112	.14955	.03974	.47261	.11908	.12867	.12858
#1	.05671	1.8886	1.0619	1.8945	2.1700	.05056	2.0387	144.57	.09761
#2	.05573	1.8956	1.0596	1.8985	2.1688	.05022	2.0421	144.31	.09779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50487**	**.20234**	**.25518**	**1.0250**	**55.089**	**1.1093**	**66.068**	**.52669**	**1.0445**
Stddev	.00051	.00040	.00065	.0070	.026	.0010	.090	.00051	.0009
%RSD	.10067	.19563	.25348	.68055	.04805	.08796	.13672	.09679	.08569
#1	.50523	.20206	.25563	1.0299	55.108	1.1087	66.004	.52633	1.0439
#2	.50451	.20262	.25472	1.0201	55.070	1.1100	66.132	.52705	1.0452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **922.55**	**.50022**	**11.053**	**.47898**	**17.710**	**.51306**	**2.0769**	**26.111**	**1.9831**
Stddev	.36	.00003	.014	.00228	.009	.00145	.0123	.037	.0024
%RSD	.03879	.00575	.12214	.47524	.04942	.28242	.59020	.14202	.11995
#1	922.81	.50020	11.044	.47737	17.704	.51204	2.0683	26.137	1.9814
#2	922.30	.50024	11.063	.48059	17.716	.51408	2.0856	26.085	1.9848
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9441**	**.99057**	**1.0246**	**1.7595**	**1.9788**	**.50824**	**.51030**	**.50870**
Stddev	.0004	.00224	.0003	.0033	.0221	.00045	.00059	.00131
%RSD	.01932	.22656	.02428	.18550	1.1179	.08788	.11567	.25741
#1	1.9443	.99216	1.0248	1.7619	1.9945	.50856	.50988	.50963
#2	1.9438	.98898	1.0245	1.7572	1.9632	.50793	.51072	.50778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4603.2**	**74739.**	**6597.2**
Stddev	8.8	270.	10.4
%RSD	.19032	.36170	.15740
#1	4609.4	74930.	6604.6
#2	4597.0	74547.	6589.9

Sample Name: 280-62001-A-6-C MSD Acquired: 11/16/2014 14:43:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05846**	**1.9876**	**1.1206**	**1.9849**	**2.2949**	**.05320**	**2.1432**	**150.50**	**.10270**
Stddev	.00016	.0013	.0025	.0012	.0064	.00028	.0065	.58	.00003
%RSD	.27186	.06586	.22561	.05796	.27744	.51745	.30520	.38631	.02664
#1	.05835	1.9885	1.1188	1.9841	2.2994	.05340	2.1385	150.91	.10272
#2	.05857	1.9867	1.1224	1.9858	2.2904	.05301	2.1478	150.09	.10268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53046**	**.21313**	**.26984**	**1.0715**	**57.993**	**1.1743**	**69.122**	**.55413**	**1.1028**
Stddev	.00013	.00048	.00014	.0034	.121	.0017	.065	.00054	.0006
%RSD	.02544	.22518	.05166	.31285	.20882	.14086	.09456	.09733	.05397
#1	.53055	.21279	.26974	1.0738	58.078	1.1755	69.076	.55375	1.1032
#2	.53036	.21347	.26994	1.0691	57.907	1.1731	69.168	.55451	1.1023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **960.89**	**.52572**	**11.651**	**.50479**	**18.439**	**.54133**	**2.1776**	**27.229**	**2.0848**
Stddev	2.77	.00035	.024	.00107	.006	.00032	.0050	.104	.0023
%RSD	.28859	.06743	.20592	.21120	.03294	.05900	.22726	.38123	.10835
#1	962.86	.52547	11.668	.50555	18.435	.54156	2.1741	27.302	2.0864
#2	958.93	.52597	11.634	.50404	18.443	.54111	2.1811	27.155	2.0832
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0407**	**1.0438**	**1.0822**	**1.8459**	**2.1156**	**.53487**	**.53506**	**.53637**
Stddev	.0041	.0014	.0003	.0035	.0128	.00094	.00284	.00135
%RSD	.20191	.12902	.02979	.19047	.60403	.17664	.53132	.25180
#1	2.0436	1.0429	1.0819	1.8434	2.1066	.53420	.53305	.53542
#2	2.0378	1.0448	1.0824	1.8484	2.1247	.53554	.53707	.53733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4588.8**	**74598.**	**6577.0**
Stddev	4.1	54.	8.8
%RSD	.08881	.07293	.13374
#1	4585.9	74636.	6570.7
#2	4591.7	74560.	6583.2

Sample Name: 280-62001-A-6-A PDS Acquired: 11/16/2014 14:46:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00667**	**.98054**	**.24088**	**1.0215**	**.17161**	**.05161**	**-.00110**	**116.51**	**.05149**
Stddev	.00052	.00152	.00029	.0017	.00063	.00008	.00028	.00	.00020
%RSD	7.7838	.15536	.11896	.16463	.36959	.14659	25.017	.00249	.39734
#1	.00703	.98161	.24068	1.0203	.17116	.05156	-.00091	116.51	.05163
#2	.00630	.97946	.24109	1.0227	.17206	.05166	-.00130	116.51	.05134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06891**	**.05062**	**.05364**	**1.0490**	**24.159**	**.13652**	**37.827**	**.07996**	**.06252**
Stddev	.00033	.00005	.00014	.0044	.129	.00240	.036	.00003	.00021
%RSD	.47761	.09688	.25793	.42132	.53340	1.7610	.09498	.03639	.32808
#1	.06868	.05059	.05355	1.0521	24.068	.13482	37.802	.07998	.06267
#2	.06915	.05066	.05374	1.0458	24.250	.13822	37.852	.07994	.06238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **912.44**	**.06674**	**2.2855**	**.09818**	**15.844**	**.10174**	**.20702**	**21.340**	**.09985**
Stddev	.52	.00014	.0074	.00006	.010	.00080	.00459	.035	.00141
%RSD	.05666	.20513	.32210	.05882	.06146	.78141	2.2161	.16470	1.4073
#1	912.08	.06664	2.2803	.09814	15.851	.10118	.20377	21.365	.09886
#2	912.81	.06683	2.2907	.09822	15.837	.10231	.21026	21.315	.10085
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97135**	**.20026**	**.05067**	**.17964**	**.49374**	**.05262**	**.21506**	**.05050**
Stddev	.00012	.00017	.00007	.00111	.02368	.00000	.00054	.00233
%RSD	.01187	.08683	.13514	.62047	4.7964	.00054	.24948	4.6120
#1	.97143	.20014	.05072	.17885	.51049	.05262	.21468	.04885
#2	.97127	.20038	.05062	.18043	.47700	.05262	.21544	.05215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4633.2**	**75219.**	**6619.3**
Stddev	1.0	31.	18.3
%RSD	.02243	.04088	.27651
#1	4633.9	75241.	6632.3
#2	4632.4	75198.	6606.4

Sample Name: 280-62001-A-8-A Acquired: 11/16/2014 14:49:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.03000**	**.01512**	**2.7008**	**.05499**	**-.00004**	**-.00593**	**9.8047**	**-.00008**
Stddev	.00042	.00001	.00043	.0002	.00010	.00001	.00336	.0289	.00003
%RSD	54.485	.02415	2.8144	.00711	.18712	16.937	56.723	.29467	34.834
#1	.00047	.03000	.01482	2.7007	.05492	-.00004	-.00831	9.8251	-.00006
#2	.00107	.02999	.01542	2.7009	.05506	-.00003	-.00355	9.7843	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01466**	**.00016**	**.01742**	**.09213**	**2.4364**	**.03299**	**.12397**	**.00213**	**.00740**
Stddev	.00017	.00033	.00044	.00026	.0478	.00049	.00027	.00004	.00033
%RSD	1.1574	208.74	2.5043	.27995	1.9598	1.4850	.22020	1.9320	4.4957
#1	.01478	-.00008	.01711	.09195	2.4026	.03264	.12416	.00210	.00763
#2	.01454	.00040	.01773	.09231	2.4701	.03334	.12377	.00216	.00716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **891.30**	**.00433**	**.25011**	**-.00129**	**41.758**	**.01733**	**.00255**	**30.064**	**-.00082**
Stddev	1.37	.00001	.00048	.00010	.056	.00051	.00305	.083	.00035
%RSD	.15350	.33187	.19377	7.5768	.13408	2.9406	119.70	.27662	42.574
#1	892.27	.00432	.25045	-.00123	41.718	.01697	.00039	30.123	-.00107
#2	890.33	.00434	.24977	-.00136	41.797	.01769	.00471	30.005	-.00057
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06155**	**-.00171**	**.00081**	**.00110**	**.01614**	**.02008**	**.00488**	**.00050**
Stddev	.00002	.00043	.00030	.00103	.00547	.00021	.00048	.00094
%RSD	.02448	24.910	37.474	93.570	33.893	1.0523	9.8261	189.27
#1	.06156	-.00201	.00060	.00183	.02001	.01993	.00522	-.00017
#2	.06154	-.00141	.00102	.00037	.01227	.02023	.00454	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4722.5**	**76451.**	**6668.6**
Stddev	7.7	357.	41.1
%RSD	.16210	.46681	.61660
#1	4727.9	76703.	6639.5
#2	4717.1	76198.	6697.7

Sample Name: 280-62161-A-14-A Acquired: 11/16/2014 14:52:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00964**	**.06347**	**.11860**	**.35430**	**.00003**	**-.00274**	**49.850**	**-.00018**
Stddev	.00007	.00026	.00147	.00104	.00045	.00000	.00098	.075	.00008
%RSD	128.24	2.7196	2.3191	.87920	.12841	.56672	35.592	.15057	43.584
#1	.00000	-.00945	.06243	.11933	.35462	.00003	-.00205	49.904	-.00023
#2	.00010	-.00982	.06451	.11786	.35398	.00003	-.00343	49.797	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00012**	**.00095**	**11.221**	**2.3792**	**-.00077**	**21.793**	**2.5029**	**.00004**
Stddev	.00042	.00012	.00026	.006	.0151	.00139	.041	.0032	.00001
%RSD	115.46	104.16	27.524	.05256	.63576	180.65	.18748	.12840	20.466
#1	.00007	-.00021	.00114	11.217	2.3899	.00021	21.764	2.5006	.00004
#2	.00066	-.00003	.00077	11.225	2.3685	-.00175	21.822	2.5052	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.634**	**.00218**	**.76723**	**-.00215**	**.33059**	**.00109**	**-.00002**	**12.453**	**-.00011**
Stddev	.183	.00007	.00072	.00179	.00402	.00364	.00170	.026	.00031
%RSD	.24577	3.3897	.09363	83.235	1.2167	334.11	7854.8	.21167	268.30
#1	74.504	.00223	.76774	-.00341	.33344	.00366	.00118	12.471	.00010
#2	74.764	.00212	.76672	-.00088	.32775	-.00148	-.00122	12.434	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16027**	**.00022**	**.00063**	**.00316**	**-.00035**	**.00228**	**.00399**	**-.00090**
Stddev	.00002	.00066	.00029	.00119	.02587	.00014	.00061	.00035
%RSD	.01444	298.63	45.752	37.708	7297.7	6.3328	15.305	39.450
#1	.16025	-.00025	.00043	.00232	.01794	.00238	.00355	-.00065
#2	.16028	.00069	.00084	.00400	-.01865	.00218	.00442	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4990.0**	**81794.**	**6820.7**
Stddev	1.2	206.	15.0
%RSD	.02457	.25142	.22019
#1	4990.9	81939.	6831.3
#2	4989.1	81648.	6810.0

Sample Name: 280-62161-A-16-A Acquired: 11/16/2014 14:54:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**-.00809**	**.07229**	**.18745**	**.32412**	**.00004**	**-.00181**	**56.496**	**-.00014**
Stddev	.00027	.00105	.00051	.00055	.00043	.00004	.00205	.213	.00004
%RSD	38.760	13.011	.70331	.29449	.13187	110.29	113.36	.37739	28.978
#1	.00090	-.00883	.07265	.18784	.32442	.00007	-.00326	56.647	-.00011
#2	.00051	-.00735	.07193	.18706	.32382	.00001	-.00036	56.345	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00004**	**.00114**	**8.0132**	**2.7548**	**.00070**	**25.578**	**2.5894**	**-.00030**
Stddev	.00001	.00002	.00005	.0226	.0457	.00094	.003	.0004	.00007
%RSD	6.2348	45.852	4.4319	.28205	1.6578	135.12	.01080	.01462	24.135
#1	.00017	.00003	.00111	8.0292	2.7871	.00003	25.580	2.5897	-.00036
#2	.00016	.00006	.00118	7.9972	2.7225	.00136	25.576	2.5891	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**98.567**	**.00294**	**1.0191**	**-.00092**	**.34867**	**.00097**	**.00166**	**13.790**	**-.00126**
Stddev	.076	.00019	.0024	.00102	.00116	.00171	.00169	.053	.00039
%RSD	.07700	6.4247	.24032	111.44	.33409	176.66	101.73	.38613	30.702
#1	98.621	.00281	1.0174	-.00019	.34950	-.00024	.00286	13.828	-.00099
#2	98.513	.00308	1.0208	-.00164	.34785	.00218	.00047	13.753	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18008**	**-.00211**	**.00065**	**.00109**	**.02000**	**.00254**	**.00577**	**-.00026**
Stddev	.00039	.00024	.00059	.00002	.03538	.00015	.00021	.00018
%RSD	.21620	11.601	90.441	1.9039	176.89	5.7959	3.6694	66.743
#1	.18035	-.00194	.00107	.00108	.04502	.00244	.00592	-.00039
#2	.17980	-.00228	.00023	.00111	-.00502	.00265	.00562	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4956.7**	**81132.**	**6791.7**
Stddev	2.4	71.	6.5
%RSD	.04767	.08812	.09509
#1	4955.0	81183.	6787.1
#2	4958.3	81082.	6796.3

Sample Name: ccvh-2982968 Acquired: 11/16/2014 14:57:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00705**	**51.819**	**-.00183**	**.00637**	**.00030**	**-.00008**	**1.0146**	**-.08423**	**-.00039**	**.00118**	**-.00019**	**-.00210**	**52.142**
Stddev	.00049	.065	.00141	.00031	.00005	.00000	.0017	.00290	.00014	.00015	.00009	.00020	.233
%RSD	7.0087	.12599	77.145	4.8565	16.674	1.3139	.16835	3.4405	35.834	13.012	46.937	9.4715	.44629
#1	.00671	51.773	-.00083	.00659	.00033	-.00008	1.0158	-.08218	-.00049	.00107	-.00013	-.00196	51.977
#2	.00740	51.865	-.00283	.00615	.00026	-.00008	1.0134	-.08628	-.00029	.00129	-.00025	-.00224	52.306
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03963**	**-.00338**	**.14228**	**-.00272**	**-.00161**	**258.60**	**.00141**	**.00605**	**.00189**	**5.0214**	**.00815**	**.00479**	**-.00849**
Stddev	.00377	.00305	.00189	.00003	.00008	.54	.00010	.00271	.00023	.0027	.00037	.00789	.00617
%RSD	9.5041	89.967	1.3317	1.2484	4.9920	.21020	6.9166	44.842	12.417	.05454	4.5482	164.86	72.710
#1	-.04229	-.00123	.14362	-.00270	-.00156	258.21	.00134	.00413	.00206	5.0234	.00789	.01037	-.00413
#2	-.03697	-.00554	.14094	-.00275	-.00167	258.98	.00148	.00797	.00172	5.0195	.00842	-.00079	-.01286
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.00057**	**4.9190**	**-.02458**	**.00048**	**9.9337**	**.00351**	**-.00011**	**-.03841**
Stddev	.00103	.00007	.0087	.00018	.00012	.0213	.00028	.00054	.00347
%RSD	43.457	11.909	.17606	.74647	25.908	.21481	7.8656	481.36	9.0330
#1	.00309	.00052	4.9251	-.02471	.00039	9.9187	.00331	.00027	-.04086
#2	.00164	.00061	4.9129	-.02445	.00057	9.9488	.00370	-.00050	-.03595
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4890.7**	**79537.**	**6720.0**
Stddev	8.8	75.	5.5
%RSD	.18022	.09379	.08197
#1	4897.0	79590.	6723.9
#2	4884.5	79485.	6716.1

Sample Name: ccv-2984587 Acquired: 11/16/2014 15:00:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50126**	**.51783**	**.99166**	**.50477**	**.52007**	**.49853**	**.00788**	**5.0465**	**.49987**	**.50112**	**.50391**	**.50484**	**2.5461**
Stddev	.00050	.00019	.00814	.00174	.00003	.00007	.00113	.0043	.00073	.00033	.00077	.00134	.0008
%RSD	.09954	.03751	.82060	.34492	.00556	.01459	14.336	.08431	.14525	.06513	.15343	.26546	.02972
#1	.50161	.51769	.99741	.50600	.52005	.49858	.00868	5.0435	.50039	.50135	.50446	.50579	2.5466
#2	.50090	.51797	.98590	.50354	.52009	.49848	.00709	5.0495	.49936	.50089	.50336	.50389	2.5456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.889**	**1.0680**	**19.787**	**.50114**	**.50389**	**5.4401**	**.50467**	**1.0087**	**1.0114**	**-.00262**	**1.0002**	**1.0015**	**5.0032**
Stddev	.056	.0013	.040	.00074	.00017	.0103	.00043	.0051	.0011	.00582	.0007	.0045	.0387
%RSD	.11125	.12536	.20192	.14708	.03402	.18944	.08511	.50641	.10677	222.39	.07085	.45345	.77280
#1	49.929	1.0671	19.815	.50166	.50377	5.4474	.50497	1.0123	1.0122	.00150	1.0007	.99829	4.9759
#2	49.850	1.0690	19.758	.50062	.50401	5.4328	.50436	1.0051	1.0106	-.00673	.99971	1.0047	5.0306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0059**	**.51944**	**.01154**	**.50247**	**1.0132**	**.01388**	**.49358**	**.49687**	**.50205**
Stddev	.0050	.00012	.00168	.00094	.0008	.02269	.00132	.00335	.00133
%RSD	.49288	.02330	14.558	.18658	.08009	163.48	.26831	.67439	.26446
#1	1.0095	.51953	.01035	.50314	1.0137	.02993	.49452	.49924	.50299
#2	1.0024	.51936	.01273	.50181	1.0126	-.00217	.49265	.49450	.50111
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5003.3**	**81392.**	**6668.8**
Stddev	18.9	428.	10.9
%RSD	.37827	.52638	.16297
#1	4989.9	81089.	6676.5
#2	5016.7	81695.	6661.2

Sample Name: CCB Acquired: 11/16/2014 15:02:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00012**	**.00064**	F **.00394**	F **.02926**	**.00000**	**-.00246**	**.02623**	**.00005**	**-.00030**	**-.00051**
Stddev	.00020	.00087	.00024	.00010	.00003	.00011	.00231	.00019	.00006	.00005	.00025
%RSD	2182.7	715.91	38.286	2.4622	.09179	9178.7	93.884	.73782	136.21	17.379	48.172
#1	-.00015	-.00074	.00046	.00401	.02924	-.00008	-.00083	.02610	.00000	-.00027	-.00069
#2	.00013	.00049	.00081	.00388	.02927	.00008	-.00409	.02637	.00009	-.00034	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312	.00115						
Low Limit				-.00312	-.00115						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	F **.12285**	**-.01937**	**-.00153**	**.00332**	W **.00039**	**.00068**	W **.15944**	**-.00001**	**.00370**	**-.00039**
Stddev	.00000	.00273	.01691	.00150	.00148	.00002	.00029	.00250	.00029	.00101	.00056
%RSD	14.382	2.2254	87.303	98.012	44.774	6.2415	43.219	1.5686	2517.2	27.173	146.41
#1	-.00002	.12091	-.03133	-.00259	.00437	.00040	.00089	.16121	-.00021	.00441	.00001
#2	-.00002	.12478	-.00741	-.00047	.00227	.00037	.00047	.15768	.00019	.00299	-.00078
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.04400				.00025		.09160			
Low Limit		-.04400				-.00025		-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01297**	**.00239**	**-.00069**	**.00556**	**.00044**	F **.00070**	**-.00162**	**.00013**	**.00038**	**.00541**	**-.00007**
Stddev	.00327	.00162	.00015	.00263	.00062	.00008	.00054	.00002	.00266	.01722	.00039
%RSD	25.254	68.040	21.326	47.376	139.89	11.014	32.985	16.520	708.62	318.43	582.37
#1	.01065	.00354	-.00079	.00370	.00088	.00065	-.00125	.00014	.00226	.01759	-.00034
#2	.01528	.00124	-.00058	.00742	.00000	.00076	-.00200	.00011	-.00151	-.00677	.00021
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00062**	W **-.00264**
Stddev	.00064	.00196
%RSD	103.62	74.358
#1	-.00017	-.00403
#2	-.00107	-.00125
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4970.9**	**81241.**	**6462.6**
Stddev	.3	97.	38.4
%RSD	.00654	.11996	.59461
#1	4970.7	81172.	6435.4
#2	4971.2	81310.	6489.8

Sample Name: CCVL2993285 Acquired: 11/16/2014 15:05:29 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01169**	**.11517**	**.01576**	**.10850**	**.01110**	**.00110**	**.11291**	F **.26972**	**.00549**	**.01110**	**.01073**	**.01717**
Stddev	.00012	.00016	.00027	.00086	.00037	.00005	.00058	.00222	.00001	.00008	.00020	.00034
%RSD	1.0116	.14184	1.7405	.79690	3.2975	4.2373	.51378	.82408	.11688	.70462	1.8496	1.9674
#1	.01161	.11529	.01595	.10788	.01084	.00114	.11332	.27129	.00550	.01105	.01087	.01741
#2	.01177	.11505	.01556	.10911	.01136	.00107	.11250	.26815	.00549	.01116	.01059	.01693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000				
Range								30.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.14126**	**3.2890**	**.01162**	**.22685**	**.01132**	**.02130**	W **1.2948**	**.04451**	**3.1374**	**.00974**	**-.00060**	**.01133**
Stddev	.00136	.0164	.00181	.00123	.00008	.00039	.0029	.00024	.0034	.00008	.00027	.00036
%RSD	.96618	.49988	15.599	.54235	.74477	1.8144	.22733	.53874	.10682	.84406	45.582	3.1505
#1	.14223	3.3006	.01034	.22772	.01126	.02157	1.2969	.04434	3.1350	.00968	-.00040	.01158
#2	.14030	3.2774	.01290	.22598	.01138	.02103	1.2927	.04468	3.1398	.00979	-.00079	.01107
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.10000						1.0000					
Range	30.000%						20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01383**	**.54837**	**.10948**	**.01151**	**.01491**	**.01042**	**.01587**	**.05227**	**.01048**	**.02231**	**.01585**
Stddev	.00360	.00276	.00002	.00003	.00045	.00019	.00006	.00354	.00078	.00107	.00048
%RSD	26.037	.50358	.01692	.27433	3.0107	1.8655	.40798	6.7663	7.4542	4.7874	3.0479
#1	.01638	.54642	.10949	.01149	.01459	.01029	.01591	.04977	.00992	.02156	.01551
#2	.01129	.55032	.10946	.01153	.01523	.01056	.01582	.05477	.01103	.02307	.01620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5009.3**	**81619.**	**6522.5**
Stddev	18.3	20.	2.0
%RSD	.36629	.02507	.03067
#1	5022.3	81604.	6523.9
#2	4996.3	81633.	6521.1

Sample Name: MB 280-252124/1-A Acquired: 11/16/2014 15:08:08 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 252124 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00013**	**-.00012**	**.00280**	**-.00048**	**-.00003**	**-.00161**	**.00812**	**.00016**
Stddev	.00035	.00091	.00195	.00043	.00033	.00009	.00118	.00299	.00025
%RSD	80.934	680.87	1668.5	15.194	69.244	359.33	73.479	36.804	150.81
#1	.00019	.00078	.00126	.00311	-.00024	-.00009	-.00077	.01023	.00034
#2	.00068	-.00051	-.00150	.00250	-.00071	.00004	-.00244	.00600	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00044**	**.00044**	**.00404**	**-.06406**	**-.00219**	**.00247**	**.00005**	**.00012**
Stddev	.00012	.00003	.00029	.00040	.00475	.00249	.00039	.00003	.00010
%RSD	85.479	6.6650	65.406	9.7861	7.4162	114.05	15.694	66.879	86.470
#1	-.00006	-.00042	.00065	.00376	-.06070	-.00042	.00220	.00007	.00019
#2	-.00023	-.00046	.00024	.00432	-.06741	-.00395	.00275	.00003	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08680**	**-.00013**	**-.00128**	**-.00018**	**.00915**	**.00236**	**-.00076**	**-.00048**	**.00063**
Stddev	.00505	.00027	.00193	.00055	.00285	.00108	.00178	.00741	.00006
%RSD	5.8133	217.07	151.28	299.28	31.145	45.777	234.62	1533.1	9.0402
#1	.08323	.00007	.00009	-.00057	.01116	.00160	-.00202	-.00572	.00067
#2	.09037	-.00032	-.00265	.00020	.00713	.00312	.00050	.00475	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00127**	**-.00000**	**-.00162**	**-.00139**	**-.00014**	**.00209**	**.00043**
Stddev	.00006	.00014	.00019	.00022	.01006	.00009	.00002	.00157
%RSD	522.87	10.996	10699.	13.301	724.30	64.073	.77086	368.73
#1	-.00003	-.00117	.00013	-.00177	.00573	-.00020	.00208	.00154
#2	.00006	-.00137	-.00014	-.00147	-.00851	-.00008	.00210	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5064.5**	**83755.**	**6690.7**
Stddev	2.7	93.	19.4
%RSD	.05428	.11060	.29025
#1	5062.6	83689.	6677.0
#2	5066.5	83820.	6704.5

Sample Name: LCS 280-252124/2-A Acquired: 11/16/2014 15:10:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252124 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05914**	**2.1246**	**1.0608**	**1.0873**	F **2.2721**	**.05366**	F **2.2407**	**54.343**	**.10313**
Stddev	.00046	.0022	.0087	.0006	.0097	.00010	.0006	.238	.00013
%RSD	.77141	.10217	.82405	.05961	.42611	.19066	.02460	.43877	.12577
#1	.05882	2.1262	1.0546	1.0877	2.2652	.05359	2.2411	54.175	.10322
#2	.05947	2.1231	1.0670	1.0868	2.2789	.05373	2.2403	54.512	.10304
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750				2.2600		2.2000		
Low Limit	.04300				1.8000		1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52933**	**.21757**	**.27215**	**1.0935**	**54.356**	F **1.1547**	**53.093**	**.53334**	F **1.1364**
Stddev	.00009	.00009	.00081	.0048	.144	.0008	.124	.00096	.0013
%RSD	.01756	.04266	.29606	.43757	.26439	.06885	.23308	.18066	.11048
#1	.52939	.21751	.27158	1.0902	54.254	1.1541	53.005	.53266	1.1372
#2	.52926	.21764	.27272	1.0969	54.457	1.1552	53.180	.53402	1.1355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit						1.1400			1.1000
Low Limit						.89000			.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.046**	**.52959**	F **11.241**	**.54003**	**2.1723**	F **.54470**	**2.1748**	**10.870**	**2.1645**
Stddev	.136	.00024	.014	.00176	.0037	.00256	.0142	.072	.0009
%RSD	.23880	.04579	.12842	.32680	.16837	.46912	.65356	.66056	.04075
#1	56.950	.52977	11.251	.53878	2.1749	.54651	2.1849	10.819	2.1652
#2	57.143	.52942	11.231	.54128	2.1698	.54290	2.1648	10.921	2.1639
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	56.000		11.100			.54000			
Low Limit	45.500		9.1000			.44000			

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1261**	**1.0519**	**1.0843**	**2.1135**	**2.1345**	**.53741**	**.52909**	**.53761**
Stddev	.0043	.0019	.0008	.0066	.0116	.00080	.00063	.00298
%RSD	.38060	.17576	.07352	.31457	.54262	.14860	.11906	.55456
#1	1.1231	1.0506	1.0837	2.1182	2.1264	.53685	.52864	.53550
#2	1.1292	1.0532	1.0848	2.1088	2.1427	.53798	.52953	.53972
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.1000							
Low Limit	.91000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4906.8**	**80621.**	**6706.4**
Stddev	12.4	126.	14.4
%RSD	.25190	.15612	.21459
#1	4898.1	80710.	6716.5
#2	4915.6	80532.	6696.2

Sample Name: LCSD 280-252124/3-A Acquired: 11/16/2014 15:13:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252124 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05623**	**2.0669**	**1.0278**	**1.0561**	**2.2069**	**.05209**	**2.1813**	**52.678**	**.10029**
Stddev	.00026	.0011	.0012	.0024	.0005	.00013	.0039	.118	.00019
%RSD	.47113	.05384	.12088	.22880	.02308	.24865	.17880	.22316	.19244
#1	.05604	2.0662	1.0269	1.0543	2.2073	.05199	2.1786	52.761	.10042
#2	.05641	2.0677	1.0287	1.0578	2.2066	.05218	2.1841	52.595	.10015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51475**	**.21137**	**.26414**	**1.0525**	**52.801**	**1.1197**	**51.555**	**.51729**	F **1.1007**
Stddev	.00070	.00023	.00062	.0041	.184	.0020	.097	.00108	.0020
%RSD	.13559	.10668	.23533	.38757	.34816	.17469	.18765	.20813	.18407
#1	.51426	.21121	.26458	1.0554	52.931	1.1211	51.487	.51653	1.0992
#2	.51525	.21153	.26370	1.0496	52.671	1.1183	51.623	.51805	1.1021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.052**	**.51530**	**10.910**	**.52554**	**2.0942**	**.52780**	**2.0989**	**10.499**	**2.1018**
Stddev	.237	.00040	.009	.00335	.0087	.00229	.0026	.029	.0003
%RSD	.43006	.07700	.08361	.63660	.41519	.43465	.12587	.27449	.01314
#1	55.219	.51502	10.917	.52318	2.0880	.52618	2.1008	10.478	2.1020
#2	54.884	.51558	10.904	.52791	2.1003	.52942	2.0971	10.519	2.1016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0926**	**1.0176**	**1.0498**	**2.0583**	**2.0887**	**.52096**	**.51310**	**.52387**
Stddev	.0007	.0033	.0014	.0014	.0006	.00085	.00181	.00035
%RSD	.06291	.32063	.12839	.06622	.02893	.16358	.35225	.06617
#1	1.0931	1.0153	1.0489	2.0593	2.0883	.52036	.51182	.52412
#2	1.0921	1.0200	1.0508	2.0574	2.0891	.52156	.51438	.52363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4899.3**	**80349.**	**6685.4**
Stddev	9.5	422.	36.9
%RSD	.19426	.52578	.55141
#1	4906.1	80648.	6659.3
#2	4892.6	80050.	6711.5

Sample Name: 280-62287-A-1-A Acquired: 11/16/2014 15:15:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252124 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.01481**	**.00146**	**.24759**	**.01989**	**-.00007**	**-.00223**	**.81990**	**.00005**
Stddev	.00041	.00006	.00396	.00092	.00009	.00007	.00093	.00547	.00029
%RSD	421.08	.43197	271.52	.37140	.45806	100.12	41.750	.66706	623.79
#1	.00039	.01476	-.00134	.24824	.01995	-.00013	-.00157	.82377	-.00016
#2	-.00019	.01485	.00426	.24694	.01982	-.00002	-.00289	.81604	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00029**	**.00197**	**.02128**	**.84218**	**.02086**	**.16890**	**.00313**	**.00077**
Stddev	.00033	.00014	.00035	.00091	.05101	.00022	.00156	.00009	.00011
%RSD	238.73	48.666	17.685	4.2892	6.0572	1.0638	.92071	2.8576	14.056
#1	.00038	-.00040	.00173	.02192	.80611	.02070	.16780	.00319	.00084
#2	-.00010	-.00019	.00222	.02063	.87825	.02102	.17000	.00306	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**226.57**	**.00028**	**.09121**	**.00063**	**.00807**	**.00031**	**-.00141**	**5.7856**	**-.00086**
Stddev	.12	.00028	.00399	.00133	.00219	.00160	.00115	.0480	.00074
%RSD	.05087	99.483	4.3774	211.73	27.151	519.49	81.524	.83039	86.806
#1	226.49	.00047	.09403	.00157	.00961	-.00082	-.00060	5.8196	-.00138
#2	226.65	.00008	.08839	-.00031	.00652	.00144	-.00223	5.7516	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03138**	**.00037**	**-.00005**	**.00038**	**.03428**	**-.00014**	**.02796**	**-.00044**
Stddev	.00001	.00138	.00001	.00043	.00054	.00005	.00088	.00072
%RSD	.01760	373.33	20.564	112.93	1.5834	32.290	3.1509	163.65
#1	.03138	.00135	-.00005	.00068	.03390	-.00018	.02858	.00007
#2	.03137	-.00061	-.00006	.00008	.03467	-.00011	.02733	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4919.7**	**80779.**	**6646.0**
Stddev	.2	22.	10.6
%RSD	.00353	.02772	.15892
#1	4919.9	80795.	6638.5
#2	4919.6	80763.	6653.4

Sample Name: 280-62287-A-1-A SD@5 Acquired: 11/16/2014 15:18:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252124 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00237**	**-.00160**	**.05293**	**.00383**	**.00001**	**.00373**	**.16905**	**.00020**
Stddev	.00017	.00082	.00132	.00063	.00017	.00006	.00219	.00065	.00007
%RSD	46.048	34.608	82.618	1.1860	4.3917	525.18	58.756	.38574	32.679
#1	.00025	.00179	-.00253	.05337	.00371	-.00003	.00218	.16859	.00025
#2	.00049	.00295	-.00066	.05248	.00394	.00006	.00527	.16951	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00026**	**.00020**	**.02437**	**.18135**	**.00301**	**.03740**	**.00077**	**.00077**
Stddev	.00000	.00007	.00018	.00210	.03346	.00052	.00264	.00004	.00019
%RSD	7.5956	27.943	89.634	8.6260	18.452	17.098	7.0461	5.6549	24.171
#1	-.00007	-.00021	.00033	.02288	.15769	.00265	.03554	.00080	.00064
#2	-.00006	-.00031	.00007	.02585	.20501	.00338	.03927	.00074	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.071**	**-.00015**	**.02160**	**-.00115**	**-.00243**	**.00264**	**-.00049**	**1.1333**	**.00047**
Stddev	.029	.00057	.00299	.00060	.00179	.00021	.00555	.0083	.00068
%RSD	.06364	370.70	13.845	51.955	73.675	7.9009	1131.6	.73669	144.48
#1	46.050	.00025	.01949	-.00157	-.00369	.00279	-.00441	1.1274	.00095
#2	46.091	-.00056	.02372	-.00073	-.00116	.00250	.00343	1.1392	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00615**	**-.00041**	**.00010**	**.00030**	**-.01057**	**-.00032**	**.00605**	**.00001**
Stddev	.00001	.00090	.00000	.00041	.03171	.00052	.00020	.00181
%RSD	.19240	220.17	3.3281	133.80	300.05	163.51	3.2670	20154.
#1	.00616	-.00105	.00010	.00059	-.03299	-.00068	.00591	.00129
#2	.00614	.00023	.00010	.00002	.01185	.00005	.00619	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.6**	**82711.**	**6677.2**
Stddev	13.2	56.	18.2
%RSD	.26142	.06734	.27269
#1	5043.9	82671.	6690.1
#2	5025.3	82750.	6664.3

Sample Name: 280-62287-A-1-A PDS Acquired: 11/16/2014 15:21:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252124 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00718**	**1.1223**	**.22295**	**.33956**	**.13567**	**.05535**	**-.00269**	**23.003**	**.05524**
Stddev	.00037	.0001	.00253	.00038	.00053	.00005	.00092	.047	.00023
%RSD	5.1526	.01049	1.1363	.11199	.39006	.08989	34.202	.20596	.41111
#1	.00692	1.1224	.22116	.33982	.13604	.05538	-.00204	23.037	.05540
#2	.00745	1.1222	.22474	.33929	.13529	.05531	-.00334	22.970	.05508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05432**	**.05561**	**.05778**	**1.1753**	**23.236**	**.13907**	**21.333**	**.05823**	**.05150**
Stddev	.00015	.00042	.00043	.0015	.006	.00079	.018	.00007	.00038
%RSD	.27362	.75354	.75121	.12925	.02378	.56928	.08459	.11324	.72989
#1	.05443	.05591	.05747	1.1764	23.239	.13851	21.320	.05818	.05176
#2	.05422	.05532	.05809	1.1742	23.232	.13963	21.346	.05827	.05123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**241.04**	**.05489**	**2.4075**	**.10974**	**.01124**	**.10034**	**.21977**	**10.725**	**.10105**
Stddev	.40	.00005	.0026	.00024	.00129	.00208	.00027	.013	.00032
%RSD	.16487	.08442	.10653	.21643	11.526	2.0729	.12090	.12304	.32154
#1	240.75	.05493	2.4093	.10991	.01215	.10181	.21958	10.734	.10128
#2	241.32	.05486	2.4057	.10957	.01032	.09887	.21996	10.716	.10082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08907**	**.21490**	**.05024**	**.21124**	**.55016**	**.05593**	**.25188**	**.04975**
Stddev	.00009	.00028	.00034	.00090	.01135	.00015	.00037	.00037
%RSD	.09783	.12865	.67146	.42452	2.0639	.26266	.14776	.74854
#1	.08914	.21510	.05001	.21061	.55818	.05603	.25161	.05002
#2	.08901	.21471	.05048	.21187	.54213	.05583	.25214	.04949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4889.2**	**80084.**	**6690.8**
Stddev	3.8	151.	4.7
%RSD	.07821	.18876	.07032
#1	4891.9	80190.	6687.5
#2	4886.5	79977.	6694.1

Sample Name: ccvh-2982968 Acquired: 11/16/2014 15:23:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00632**	**51.724**	**.00140**	**.00505**	**.00017**	**-.00001**	**1.0107**	**-.09953**	**-.00047**	**.00148**	**-.00024**	**-.00194**	**52.280**
Stddev	.00057	.279	.00452	.00002	.00005	.00005	.0041	.00100	.00011	.00004	.00030	.00049	.405
%RSD	8.9591	.53937	322.58	.34694	27.183	346.90	.40220	1.0091	23.952	2.4921	124.83	25.070	.77430
#1	.00672	51.921	.00460	.00504	.00014	.00002	1.0136	-.10024	-.00039	.00145	-.00045	-.00160	52.566
#2	.00592	51.527	-.00180	.00506	.00020	-.00005	1.0078	-.09882	-.00055	.00150	-.00003	-.00229	51.993
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02989**	**-.00238**	**.13770**	**-.00320**	**-.00195**	**257.96**	**.00110**	**.00388**	**.00194**	**5.0359**	**.01003**	**.00040**	**.00237**
Stddev	.06400	.00121	.00388	.00004	.00004	1.13	.00021	.00379	.00030	.0008	.00119	.00470	.02348
%RSD	214.12	50.805	2.8147	1.2663	2.1661	.43905	19.356	97.899	15.623	.01536	11.849	1162.5	992.58
#1	-.07514	-.00152	.14044	-.00317	-.00192	258.76	.00095	.00656	.00173	5.0365	.01087	.00373	.01897
#2	.01536	-.00323	.13496	-.00322	-.00198	257.16	.00125	.00119	.00216	5.0354	.00919	-.00292	-.01424
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**.00046**	**4.9112**	**-.02442**	**.00230**	**9.8660**	**.00405**	**-.00055**	**-.03484**
Stddev	.00070	.00003	.0002	.00007	.00165	.0167	.00026	.00004	.00031
%RSD	34.687	6.4917	.00368	.28353	71.811	.16968	6.4685	7.2624	.87939
#1	.00152	.00044	4.9111	-.02447	.00347	9.8778	.00423	-.00058	-.03462
#2	.00250	.00048	4.9114	-.02438	.00113	9.8541	.00386	-.00052	-.03506
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4885.3**	**79571.**	**6681.3**
Stddev	.3	78.	16.9
%RSD	.00544	.09852	.25272
#1	4885.1	79627.	6669.3
#2	4885.5	79516.	6693.2

Sample Name: ccv-2984587 Acquired: 11/16/2014 15:26:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49951**	**.51600**	**.98208**	**.49691**	**.52184**	**.49774**	**.00742**	**5.0481**	**.49328**	**.49488**	**.49998**	**.50264**	**2.5741**
Stddev	.00704	.00053	.00053	.00162	.00163	.00025	.00254	.0073	.00080	.00007	.00096	.00875	.0169
%RSD	1.4099	.10197	.05353	.32674	.31140	.04925	34.229	.14367	.16191	.01316	.19142	1.7411	.65679
#1	.50449	.51637	.98171	.49806	.52069	.49757	.00921	5.0430	.49384	.49483	.50065	.50883	2.5621
#2	.49453	.51563	.98245	.49576	.52299	.49791	.00562	5.0532	.49271	.49493	.49930	.49646	2.5860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.754**	**1.0690**	**19.726**	**.49888**	**.49951**	**5.3986**	**.49820**	**.99455**	**1.0018**	**-.00558**	**.98665**	**.99068**	**4.9605**
Stddev	.070	.0014	.240	.00640	.00152	.0164	.00055	.00429	.0034	.00362	.00468	.00554	.0395
%RSD	.13972	.13399	1.2187	1.2823	.30364	.30381	.11031	.43126	.33564	64.757	.47446	.55893	.79682
#1	49.705	1.0680	19.896	.50341	.50058	5.3870	.49859	.99759	1.0042	-.00303	.98996	.99459	4.9325
#2	49.803	1.0700	19.557	.49436	.49843	5.4102	.49781	.99152	.99941	-.00814	.98334	.98676	4.9884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99732**	**.52014**	**.01165**	**.50050**	**1.0026**	**-.03875**	**.49034**	**.49493**	**.50639**
Stddev	.00194	.00080	.00110	.00515	.0015	.00172	.00710	.00543	.00054
%RSD	.19464	.15345	9.4527	1.0290	.15467	4.4460	1.4486	1.0966	.10684
#1	.99869	.51957	.01243	.50414	1.0037	-.03997	.49536	.49876	.50677
#2	.99595	.52070	.01087	.49686	1.0015	-.03753	.48532	.49109	.50601
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5028.5**	**81600.**	**6641.5**
Stddev	3.6	629.	37.9
%RSD	.07083	.77036	.57079
#1	5026.0	81155.	6668.3
#2	5031.0	82044.	6614.7

Sample Name: CCB Acquired: 11/16/2014 15:28:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00045**	**-.00260**	F **.00337**	**-.00053**	**-.00002**	**-.00088**	**.00222**	**.00020**	**.00002**	**-.00051**	**.00026**
Stddev	.00003	.00048	.00266	.00023	.00025	.00001	.00037	.00361	.00010	.00001	.00006	.00003
%RSD	20.173	107.39	102.59	6.9208	45.963	47.036	42.117	162.62	48.069	37.215	12.379	13.132
#1	.00014	-.00011	-.00448	.00354	-.00036	-.00003	-.00061	-.00033	.00027	.00003	-.00056	.00028
#2	.00011	-.00079	-.00071	.00321	-.00071	-.00001	-.00114	.00478	.00013	.00002	-.00047	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00449**	**-.08068**	**-.00169**	**.00269**	**.00007**	**.00047**	W **.10284**	**.00010**	**.00089**	**-.00004**	**-.00170**	**.00111**
Stddev	.00029	.02029	.00153	.00075	.00000	.00010	.00098	.00029	.00152	.00136	.00068	.00077
%RSD	6.5090	25.146	90.621	28.029	2.6351	21.130	.95553	281.47	169.81	3817.0	40.117	69.258
#1	.00469	-.06634	-.00061	.00322	.00007	.00054	.10215	.00030	-.00018	.00093	-.00218	.00056
#2	.00428	-.09503	-.00277	.00216	.00007	.00040	.10354	-.00010	.00197	-.00100	-.00122	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**-.00080**	**-.00002**	**.00003**	**.00063**	**.00020**	**-.00153**	**-.04180**	**.00012**	**-.00068**	**-.00134**
Stddev	.00430	.00385	.00058	.00005	.00188	.00019	.00089	.03791	.00019	.00046	.00055
%RSD	513.21	479.83	2541.6	191.91	299.30	95.666	58.423	90.693	160.18	68.647	40.994
#1	-.00220	-.00352	-.00043	-.00001	-.00070	.00034	-.00216	-.01499	.00025	-.00101	-.00095
#2	.00388	.00192	.00039	.00006	.00196	.00007	-.00090	-.06860	-.00002	-.00035	-.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5059.1**	**83269.**	**6637.0**
Stddev	14.9	178.	9.7
%RSD	.29500	.21401	.14558
#1	5069.7	83143.	6630.1
#2	5048.6	83395.	6643.8

Sample Name: CCVL2994263 Acquired: 11/16/2014 15:31:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01139**	**.11201**	**.01591**	**.10592**	**.01070**	**.00108**	**.11265**	**.22103**	**.00543**	**.01081**	**.01041**	**.01630**
Stddev	.00060	.00086	.00049	.00141	.00011	.00005	.00049	.00261	.00000	.00013	.00020	.00005
%RSD	5.2235	.76735	3.0706	1.3307	1.0673	4.4335	.43116	1.1796	.05391	1.1878	1.9237	.32440
#1	.01181	.11262	.01556	.10492	.01078	.00105	.11299	.21919	.00543	.01091	.01055	.01626
#2	.01097	.11140	.01625	.10692	.01062	.00111	.11231	.22288	.00544	.01072	.01027	.01634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10988**	**3.2612**	**.01008**	**.22307**	**.01092**	**.02098**	W **1.2385**	**.04360**	**3.0803**	**.00941**	**-.00144**	**.01072**
Stddev	.00102	.0470	.00089	.00111	.00003	.00003	.0005	.00057	.0016	.00014	.00287	.00031
%RSD	.93096	1.4406	8.8396	.49855	.25797	.14425	.03776	1.3043	.05302	1.4544	198.52	2.8637
#1	.11060	3.2280	.00945	.22386	.01094	.02100	1.2389	.04400	3.0791	.00951	.00058	.01094
#2	.10916	3.2944	.01071	.22229	.01090	.02096	1.2382	.04320	3.0814	.00932	-.00347	.01051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01586**	**.51875**	**.10797**	**.01120**	**.01513**	**.01092**	**.01679**	W **.07498**	**.00988**	**.02114**	**.01507**
Stddev	.00496	.00378	.00077	.00004	.00053	.00033	.00159	.00041	.00002	.00015	.00072
%RSD	31.295	.72890	.70953	.38772	3.4869	3.0486	9.4487	.55214	.20457	.72763	4.7880
#1	.01937	.51608	.10851	.01117	.01476	.01115	.01567	.07469	.00990	.02104	.01456
#2	.01235	.52142	.10743	.01123	.01550	.01068	.01792	.07527	.00987	.02125	.01558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5091.6**	**83527.**	**6688.7**
Stddev	2.2	35.	23.7
%RSD	.04344	.04194	.35496
#1	5093.2	83502.	6705.5
#2	5090.0	83552.	6671.9

Sample Name: MB 280-251710/1-A Acquired: 11/16/2014 15:40:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/7 Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00213**	**.00041**	**.00126**	**-.00037**	**-.00000**	**-.00034**	**-.00152**	**-.00002**
Stddev	.00053	.00092	.00068	.00079	.00002	.00004	.00183	.00051	.00011
%RSD	110.23	42.977	165.30	62.749	6.5916	1799.7	542.33	33.402	543.03
#1	.00011	-.00278	.00089	.00070	-.00035	.00003	-.00163	-.00188	.00006
#2	.00086	-.00148	-.00007	.00182	-.00038	-.00003	.00095	-.00116	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00065**	**.00065**	**.00066**	**-.06546**	**-.00290**	**.00249**	**-.00000**	**.00027**
Stddev	.00032	.00005	.00018	.00025	.05805	.00033	.00076	.00004	.00001
%RSD	128.74	7.7377	28.487	37.583	88.691	11.482	30.333	7902.8	3.8873
#1	-.00002	-.00069	.00078	.00084	-.10651	-.00266	.00303	-.00003	.00027
#2	-.00048	-.00062	.00052	.00049	-.02441	-.00313	.00196	.00003	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01502**	**.00013**	**.00186**	**-.00130**	**-.00288**	**.00063**	**.00121**	**.01210**	**-.00074**
Stddev	.00683	.00022	.00384	.00078	.00294	.00234	.00299	.00797	.00066
%RSD	45.467	167.95	206.65	59.786	102.26	370.72	247.44	65.878	89.522
#1	.01019	.00029	-.00086	-.00075	-.00496	.00228	.00333	.01774	-.00120
#2	.01985	-.00002	.00457	-.00185	-.00080	-.00102	-.00091	.00646	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00068**	**.00003**	**-.00071**	**.00685**	**-.00026**	**-.00083**	**.00136**
Stddev	.00014	.00035	.00030	.00060	.01985	.00012	.00011	.00053
%RSD	975.69	50.869	1004.2	83.901	289.67	46.927	13.595	38.577
#1	-.00011	-.00043	.00024	-.00029	.02089	-.00017	-.00091	.00099
#2	.00008	-.00092	-.00018	-.00114	-.00719	-.00035	-.00075	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5074.3**	**83640.**	**6679.0**
Stddev	8.4	59.	193.8
%RSD	.16506	.07080	2.9020
#1	5080.2	83598.	6816.0
#2	5068.4	83682.	6541.9

Sample Name: LCS 280-251710/2-A Acquired: 11/16/2014 15:43:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05643**	**2.0681**	**1.0408**	**1.0820**	**2.2081**	**.05208**	**2.1773**	**52.781**	**.10142**
Stddev	.00015	.0026	.0036	.0034	.0073	.00044	.0022	.242	.00038
%RSD	.26405	.12712	.34934	.31552	.32954	.83802	.09943	.45841	.37188
#1	.05654	2.0700	1.0383	1.0795	2.2030	.05177	2.1788	52.610	.10116
#2	.05633	2.0662	1.0434	1.0844	2.2133	.05239	2.1757	52.952	.10169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51767**	**.21159**	**.26631**	**1.0506**	**52.919**	**1.1174**	**51.846**	**.52122**	**1.0817**
Stddev	.00059	.00047	.00120	.0030	.206	.0053	.126	.00066	.0008
%RSD	.11383	.22137	.44956	.28190	.38851	.47866	.24319	.12662	.07001
#1	.51809	.21192	.26546	1.0527	52.773	1.1136	51.757	.52075	1.0822
#2	.51725	.21126	.26716	1.0485	53.064	1.1211	51.936	.52168	1.0811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.220**	**.51737**	**10.937**	**.52586**	**2.1358**	**.53635**	**2.1296**	**10.640**	**2.1304**
Stddev	.453	.00013	.003	.00254	.0068	.00036	.0030	.016	.0010
%RSD	.81994	.02565	.02433	.48306	.31823	.06717	.14260	.14818	.04515
#1	54.899	.51727	10.936	.52766	2.1406	.53610	2.1275	10.651	2.1297
#2	55.540	.51746	10.939	.52407	2.1310	.53661	2.1318	10.629	2.1310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0874**	**1.0156**	**1.0652**	**2.0708**	**2.1021**	**.51992**	**.51382**	**.53169**
Stddev	.0029	.0015	.0000	.0039	.0209	.00161	.00074	.00471
%RSD	.27002	.14543	.00064	.18725	.99357	.30892	.14498	.88512
#1	1.0853	1.0145	1.0652	2.0680	2.1169	.51878	.51330	.52837
#2	1.0895	1.0166	1.0652	2.0735	2.0874	.52105	.51435	.53502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4907.9**	**80351.**	**6618.2**
Stddev	1.3	88.	45.1
%RSD	.02576	.10932	.68201
#1	4908.7	80413.	6650.1
#2	4907.0	80289.	6586.3

Sample Name: 280-61932-I-9-D Acquired: 11/16/2014 15:45:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**1.1347**	**.00323**	**.30251**	**.08343**	**.00002**	**-.00251**	**149.88**	**.00086**
Stddev	.00031	.0043	.00234	.00060	.00000	.00001	.00097	.02	.00020
%RSD	59.832	.37413	72.426	.19914	.00498	64.688	38.648	.01513	22.857
#1	.00030	1.1377	.00488	.30209	.08343	.00003	-.00183	149.90	.00072
#2	.00074	1.1317	.00158	.30294	.08343	.00001	-.00320	149.86	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**.00188**	**.00617**	**1.0441**	**12.669**	**.02192**	**86.718**	**.10737**	**.02616**
Stddev	.00011	.00007	.00015	.0022	.062	.00083	.243	.00044	.00023
%RSD	5.1927	3.6134	2.4173	.21272	.49225	3.7779	.27995	.41434	.89597
#1	.00197	.00193	.00628	1.0425	12.713	.02251	86.547	.10706	.02600
#2	.00212	.00184	.00606	1.0456	12.625	.02134	86.890	.10769	.02633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**263.56**	**.00963**	**.02488**	**-.00106**	**58.513**	**.00328**	**-.00441**	**10.105**	**.00002**
Stddev	.02	.00008	.00014	.00053	.039	.00034	.00065	.085	.00135
%RSD	.00685	.80224	.55428	49.702	.06580	10.360	14.845	.83703	5645.7
#1	263.55	.00968	.02478	-.00069	58.541	.00352	-.00487	10.165	-.00093
#2	263.57	.00957	.02498	-.00143	58.486	.00304	-.00395	10.045	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80925**	**-.00209**	**.05033**	**.00180**	**.01952**	**.00338**	**.01225**	**.00180**
Stddev	.00071	.00214	.00467	.00046	.03021	.00022	.00015	.00097
%RSD	.08715	102.48	9.2782	25.776	154.73	6.5789	1.2128	53.833
#1	.80875	-.00361	.05363	.00147	.04089	.00322	.01214	.00249
#2	.80975	-.00058	.04703	.00213	-.00184	.00354	.01235	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4742.2**	**77997.**	**6503.1**
Stddev	.3	217.	11.2
%RSD	.00628	.27764	.17268
#1	4741.9	78150.	6511.0
#2	4742.4	77844.	6495.1

Sample Name: 280-61932-I-9-D SD@5 Acquired: 11/16/2014 15:48:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.26199**	**-.00040**	**.06303**	**.01679**	**.00009**	**-.00069**	**30.251**	**.00038**
Stddev	.00049	.00093	.00113	.00073	.00007	.00001	.00199	.081	.00004
%RSD	348.66	.35649	279.25	1.1546	.42801	13.295	289.40	.26667	10.734
#1	.00049	.26265	-.00120	.06354	.01674	.00010	-.00209	30.194	.00035
#2	-.00021	.26133	.00039	.06251	.01685	.00008	.00072	30.308	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00002**	**.00157**	**.22480**	**2.5157**	**.00134**	**17.686**	**.02201**	**.00551**
Stddev	.00009	.00006	.00028	.00127	.0529	.00079	.048	.00006	.00037
%RSD	15.432	387.83	18.050	.56330	2.1011	59.009	.27088	.27870	6.6724
#1	.00068	.00003	.00177	.22569	2.5531	.00078	17.720	.02197	.00577
#2	.00054	-.00006	.00137	.22390	2.4784	.00189	17.652	.02206	.00525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.134**	**.00187**	**.00569**	**.00002**	**11.308**	**.00154**	**-.00065**	**2.0166**	**.00007**
Stddev	.139	.00004	.00180	.00098	.005	.00178	.00249	.0437	.00047
%RSD	.25760	2.2401	31.605	4074.4	.04274	116.11	384.21	2.1649	647.43
#1	54.036	.00190	.00441	-.00067	11.305	.00027	.00111	1.9857	-.00026
#2	54.233	.00184	.00696	.00071	11.312	.00280	-.00241	2.0475	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16409**	**-.00182**	**.01166**	**.00044**	**.01345**	**.00063**	**.00229**	**.00104**
Stddev	.00033	.00105	.00231	.00045	.02467	.00015	.00057	.00015
%RSD	.19948	57.454	19.773	101.65	183.44	23.550	25.121	14.674
#1	.16386	-.00108	.01329	.00076	-.00400	.00052	.00269	.00115
#2	.16432	-.00256	.01003	.00012	.03089	.00073	.00188	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4954.9**	**81263.**	**6547.6**
Stddev	3.9	190.	28.5
%RSD	.07948	.23381	.43581
#1	4952.1	81129.	6567.8
#2	4957.6	81397.	6527.4

Sample Name: 280-61932-I-9-E MS Acquired: 11/16/2014 15:51:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05728**	W **3.3717**	**1.0713**	**1.3812**	**2.3340**	**.05266**	**2.1370**	**206.47**	**.10250**
Stddev	.00090	.0441	.0012	.0018	.0012	.00010	.0039	.19	.00007
%RSD	1.5794	1.3073	.11550	.12641	.05143	.18594	.18014	.09281	.07089
#1	.05664	3.4029	1.0722	1.3799	2.3349	.05259	2.1343	206.61	.10255
#2	.05792	3.3406	1.0705	1.3824	2.3332	.05273	2.1398	206.34	.10245
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50970**	**.21455**	**.27175**	**2.1193**	**67.787**	**1.1797**	**140.52**	**.62866**	**1.1232**
Stddev	.00037	.00012	.00064	.0027	.004	.0018	.31	.00064	.0001
%RSD	.07224	.05523	.23468	.12645	.00622	.15000	.21951	.10119	.01325
#1	.50944	.21446	.27220	2.1212	67.790	1.1784	140.74	.62911	1.1233
#2	.50996	.21463	.27130	2.1174	67.784	1.1809	140.31	.62821	1.1231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**327.25**	**.51599**	**11.375**	**.51178**	**62.740**	**.54415**	**2.1443**	**20.943**	**2.1060**
Stddev	.32	.00115	.012	.00316	.055	.00534	.0003	.033	.0002
%RSD	.09882	.22365	.10961	.61666	.08745	.98196	.01348	.15866	.00829
#1	327.48	.51680	11.366	.51401	62.702	.54037	2.1445	20.966	2.1061
#2	327.02	.51517	11.384	.50955	62.779	.54792	2.1441	20.919	2.1059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9496**	**1.0265**	**1.1091**	**1.9172**	**2.1350**	**.52862**	**.51979**	**.54078**
Stddev	.0004	.0029	.0044	.0027	.0255	.00079	.00110	.00279
%RSD	.02229	.27922	.39934	.13943	1.1931	.15020	.21189	.51606
#1	1.9499	1.0286	1.1060	1.9191	2.1170	.52918	.51901	.54275
#2	1.9493	1.0245	1.1122	1.9153	2.1530	.52806	.52057	.53881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4595.9**	**76319.**	**6445.6**
Stddev	12.4	202.	23.3
%RSD	.26928	.26507	.36103
#1	4587.1	76176.	6429.1
#2	4604.6	76463.	6462.0

Sample Name: 280-61932-I-9-F MSD Acquired: 11/16/2014 15:53:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05566**	W **3.0846**	**1.0478**	**1.3531**	**2.2583**	**.05112**	**2.0928**	**201.73**	**.10015**
Stddev	.00043	.0048	.0001	.0027	.0006	.00004	.0044	.46	.00001
%RSD	.78050	.15454	.01018	.20245	.02463	.07882	.20925	.22731	.00723
#1	.05536	3.0880	1.0477	1.3550	2.2579	.05115	2.0959	201.40	.10015
#2	.05597	3.0813	1.0479	1.3512	2.2587	.05109	2.0897	202.05	.10016
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49713**	**.20879**	**.26490**	**2.0393**	**65.823**	**1.1436**	**137.47**	**.61203**	**1.0905**
Stddev	.00017	.00015	.00022	.0018	.093	.0024	.02	.00016	.0004
%RSD	.03519	.07409	.08422	.08798	.14094	.21134	.01689	.02681	.03486
#1	.49726	.20868	.26506	2.0405	65.758	1.1453	137.45	.61192	1.0903
#2	.49701	.20890	.26474	2.0380	65.889	1.1419	137.48	.61215	1.0908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**319.71**	**.50236**	**11.096**	**.49751**	**61.559**	**.52887**	**2.1008**	**19.873**	**2.0516**
Stddev	.28	.00035	.008	.00180	.132	.00333	.0051	.072	.0015
%RSD	.08617	.06923	.06850	.36244	.21451	.62890	.24312	.36244	.07554
#1	319.51	.50260	11.101	.49879	61.652	.53122	2.1044	19.822	2.0505
#2	319.90	.50211	11.090	.49624	61.465	.52652	2.0972	19.924	2.0527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8985**	**1.0002**	**1.0575**	**1.8745**	**2.0819**	**.51445**	**.50548**	**.52286**
Stddev	.0013	.0026	.0008	.0052	.0240	.00113	.00123	.00031
%RSD	.06998	.25931	.07344	.27692	1.1508	.22036	.24283	.05980
#1	1.8975	.99832	1.0570	1.8782	2.0988	.51365	.50635	.52264
#2	1.8994	1.0020	1.0581	1.8709	2.0649	.51525	.50461	.52308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4614.3**	**76243.**	**6460.9**
Stddev	5.1	94.	42.1
%RSD	.11153	.12342	.65180
#1	4610.6	76176.	6490.7
#2	4617.9	76310.	6431.1

Sample Name: 280-61932-I-9-D PDS Acquired: 11/16/2014 15:56:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04320**	**2.1169**	**.20094**	**.40025**	**.18663**	**.04949**	**-.00224**	**166.28**	**.05025**
Stddev	.00081	.0103	.00323	.00169	.00026	.00016	.00138	.20	.00005
%RSD	1.8798	.48626	1.6052	.42346	.13730	.32975	61.539	.11985	.10599
#1	.04378	2.1241	.20322	.40145	.18681	.04937	-.00322	166.14	.05021
#2	.04263	2.1096	.19865	.39905	.18645	.04960	-.00127	166.42	.05029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04946**	**.05140**	**.05568**	**2.0399**	**32.711**	**.13059**	**104.62**	**.15407**	**.07580**
Stddev	.00020	.00008	.00003	.0006	.100	.00026	.06	.00010	.00026
%RSD	.40009	.15230	.06167	.03074	.30449	.20073	.05470	.06221	.34647
#1	.04932	.05145	.05570	2.0395	32.641	.13077	104.66	.15400	.07562
#2	.04960	.05134	.05565	2.0404	32.781	.13040	104.58	.15414	.07599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**279.06**	**.05723**	**2.1487**	**.09441**	**57.524**	**.10277**	**.19691**	**15.021**	**.09758**
Stddev	.31	.00016	.0077	.00144	.005	.00312	.00081	.042	.00016
%RSD	.11195	.27936	.35935	1.5229	.00823	3.0332	.40934	.28058	.16239
#1	278.83	.05734	2.1541	.09543	57.528	.10497	.19634	14.991	.09769
#2	279.28	.05712	2.1432	.09339	57.521	.10056	.19748	15.051	.09747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84757**	**.19373**	**.10350**	**.18542**	**.50412**	**.05377**	**.20549**	**.05111**
Stddev	.00068	.00121	.00902	.00261	.04764	.00021	.00089	.00171
%RSD	.07995	.62663	8.7145	1.4085	9.4502	.38748	.43120	3.3553
#1	.84709	.19287	.09712	.18358	.47043	.05392	.20612	.05232
#2	.84805	.19459	.10987	.18727	.53781	.05362	.20486	.04990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4672.9**	**76928.**	**6479.6**
Stddev	2.9	152.	25.2
%RSD	.06182	.19793	.38950
#1	4674.9	77036.	6497.5
#2	4670.8	76820.	6461.8

Sample Name: MB 280-251710/1-A Acquired: 11/16/2014 15:58:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/7 Custom ID2: Custom ID3:
Comment: 251710 6010C Q5 (Ag+)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00090**	**-.00237**	W **.00529**	**.00021**	**-.00001**	**.00176**	**.05132**	**.00004**
Stddev	.00024	.00005	.00222	.00005	.00021	.00009	.00068	.00102	.00012
%RSD	47.356	5.9965	93.896	.86534	99.106	1632.2	38.342	1.9797	286.50
#1	.00034	.00086	-.00394	.00525	.00036	-.00007	.00224	.05204	.00013
#2	.00068	.00093	-.00079	.00532	.00006	.00006	.00129	.05060	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500					
Low Limit				-.00500					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00064**	**.00028**	**.00062**	**.01910**	**-.00371**	**.02111**	**.00014**	**.00044**
Stddev	.00017	.00015	.00002	.00048	.00959	.00137	.00065	.00000	.00015
%RSD	85.732	23.418	8.5691	77.585	50.233	36.856	3.0609	3.0779	34.390
#1	-.00008	-.00053	.00029	.00028	.01232	-.00468	.02157	.00014	.00034
#2	-.00032	-.00074	.00026	.00095	.02588	-.00275	.02066	.00013	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32258**	**.00005**	**.00431**	**-.00080**	**.01829**	**-.00021**	**-.00069**	**.01093**	**.00129**
Stddev	.01872	.00021	.00284	.00052	.00257	.00064	.00166	.00610	.00033
%RSD	5.8036	423.14	66.000	65.292	14.024	308.46	239.93	55.861	25.509
#1	.33582	-.00010	.00632	-.00043	.02011	-.00066	.00048	.01524	.00152
#2	.30935	.00020	.00230	-.00117	.01648	.00024	-.00187	.00661	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00148**	**-.00002**	**-.00038**	**.01738**	**-.00024**	**.00024**	**.00070**
Stddev	.00003	.00052	.00039	.00063	.00699	.00003	.00014	.00064
%RSD	10.854	35.010	2002.4	166.95	40.233	13.905	56.424	91.053
#1	.00023	-.00112	-.00029	-.00082	.01244	-.00022	.00015	.00025
#2	.00027	-.00185	.00025	.00007	.02233	-.00027	.00034	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5076.6**	**83415.**	**6580.9**
Stddev	3.4	343.	7.2
%RSD	.06788	.41072	.10895
#1	5074.2	83173.	6575.8
#2	5079.0	83658.	6586.0

Sample Name: ccvh-2982968 Acquired: 11/16/2014 16:01:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00633**	**53.446**	**.00427**	**.00592**	**.00021**	**-.00002**	**1.0373**	**-.09428**	**-.00058**	**.00170**	**-.00057**	**-.00224**	**54.160**
Stddev	.00015	.204	.00262	.00032	.00010	.00001	.0046	.00451	.00009	.00022	.00000	.00024	.405
%RSD	2.4166	.38137	61.488	5.3995	46.476	41.254	.44187	4.7869	15.477	12.963	.54003	10.935	.74808
#1	.00623	53.591	.00612	.00614	.00028	-.00002	1.0406	-.09109	-.00064	.00155	-.00057	-.00206	54.447
#2	.00644	53.302	.00241	.00569	.00014	-.00003	1.0341	-.09747	-.00052	.00186	-.00056	-.00241	53.874
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01804**	**-.00049**	**.14179**	**-.00322**	**-.00157**	**266.23**	**.00131**	**.00496**	**.00105**	**5.1473**	**.00681**	**.00374**	**-.01414**
Stddev	.04213	.00040	.00171	.00001	.00039	.99	.00032	.00224	.00046	.0101	.00107	.00075	.00027
%RSD	233.55	81.481	1.2076	.38864	24.849	.37282	24.563	45.119	43.791	.19581	15.721	20.116	1.9329
#1	-.01175	-.00021	.14300	-.00323	-.00185	266.93	.00153	.00338	.00072	5.1544	.00756	.00428	-.01395
#2	.04783	-.00078	.14058	-.00321	-.00130	265.53	.00108	.00654	.00137	5.1402	.00605	.00321	-.01433
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**.00057**	**5.0267**	**-.02481**	**.00196**	**10.141**	**.00389**	**-.00053**	**-.03358**
Stddev	.00050	.00002	.0102	.00026	.00031	.022	.00083	.00053	.00012
%RSD	22.034	2.9093	.20233	1.0549	15.588	.21426	21.336	101.40	.36650
#1	.00193	.00058	5.0339	-.02499	.00218	10.157	.00330	-.00090	-.03366
#2	.00264	.00056	5.0195	-.02462	.00175	10.126	.00448	-.00015	-.03349
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4834.9**	**79034.**	**6512.8**
Stddev	3.4	312.	40.4
%RSD	.06980	.39445	.61976
#1	4837.3	79255.	6484.2
#2	4832.5	78814.	6541.3

Sample Name: ccv-2984587 Acquired: 11/16/2014 16:04:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49627**	**.51509**	**.98765**	**.49863**	**.52427**	**.49610**	**.00914**	**5.0400**	**.49574**	**.49905**	**.50262**	**.50070**	**2.5463**
Stddev	.00163	.00171	.00136	.00034	.00085	.00114	.00289	.0044	.00103	.00042	.00122	.00203	.0017
%RSD	.32761	.33237	.13809	.06892	.16198	.22954	31.567	.08769	.20757	.08330	.24253	.40636	.06576
#1	.49742	.51630	.98668	.49839	.52367	.49530	.01119	5.0368	.49647	.49876	.50348	.50214	2.5451
#2	.49512	.51388	.98861	.49887	.52487	.49691	.00710	5.0431	.49502	.49935	.50175	.49926	2.5474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.928**	**1.0703**	**19.688**	**.49932**	**.50292**	**5.4051**	**.50430**	**1.0017**	**1.0061**	**-.00685**	**.98684**	**.98577**	**5.0077**
Stddev	.213	.0044	.016	.00090	.00175	.0272	.00068	.0015	.0022	.00859	.00083	.00395	.0238
%RSD	.42638	.41199	.08272	.17958	.34813	.50252	.13472	.14528	.22091	125.49	.08451	.40102	.47587
#1	49.777	1.0672	19.699	.49996	.50416	5.3859	.50478	1.0027	1.0077	-.00077	.98743	.98857	4.9908
#2	50.078	1.0734	19.676	.49869	.50169	5.4243	.50382	1.0007	1.0045	-.01292	.98625	.98298	5.0245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99950**	**.52053**	**.01154**	**.50179**	**1.0083**	**-.01369**	**.48908**	**.49589**	**.50672**
Stddev	.00364	.00063	.00146	.00104	.0017	.04936	.00018	.00002	.00029
%RSD	.36403	.12165	12.654	.20661	.16846	360.43	.03638	.00491	.05818
#1	1.0021	.52008	.01257	.50253	1.0095	-.04860	.48895	.49587	.50651
#2	.99692	.52097	.01051	.50106	1.0071	.02121	.48920	.49590	.50693
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4963.8**	**81007.**	**6583.6**
Stddev	3.6	247.	28.3
%RSD	.07169	.30485	.43027
#1	4966.3	81181.	6603.6
#2	4961.3	80832.	6563.6

Sample Name: CCB Acquired: 11/16/2014 16:06:44 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00113**	**.00134**	W **.00283**	**-.00000**	**-.00006**	**-.00043**	**.00652**	**.00019**	**-.00011**	W **-.00075**
Stddev	.00021	.00066	.00076	.00009	.00019	.00006	.00143	.00046	.00005	.00015	.00001
%RSD	788.78	58.693	56.658	3.2662	3983.2	101.34	328.82	7.0006	25.020	133.18	1.9943
#1	.00018	-.00160	.00187	.00277	.00013	-.00002	.00058	.00620	.00022	-.00001	-.00076
#2	-.00012	-.00066	.00080	.00290	-.00014	-.00010	-.00144	.00685	.00015	-.00022	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00156							.00066
Low Limit				-.00156							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00231**	**.02050**	W **-.00303**	**.00503**	**.00003**	**.00038**	W **.12591**	**.00022**	**.00100**	**-.00077**
Stddev	.00046	.00084	.02868	.00018	.00191	.00004	.00006	.00516	.00015	.00286	.00048
%RSD	206.78	36.225	139.89	6.0538	37.976	153.02	14.363	4.0988	67.531	286.90	61.806
#1	.00010	-.00172	.00022	-.00316	.00368	.00006	.00034	.12956	.00011	-.00102	-.00044
#2	-.00055	-.00290	.04078	-.00290	.00638	-.00000	.00042	.12226	.00032	.00301	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00467**	**.00138**	**-.00156**	**.00147**	**-.00073**	**.00002**	**-.00085**	**.00010**	**-.00181**	**.01922**	**-.00051**
Stddev	.00230	.00040	.00812	.00992	.00058	.00002	.00032	.00012	.00060	.02278	.00032
%RSD	49.183	29.302	520.74	676.04	79.561	79.942	37.817	123.91	32.866	118.51	62.725
#1	.00630	.00109	.00418	.00848	-.00032	.00003	-.00063	.00001	-.00223	.00311	-.00073
#2	.00305	.00166	-.00730	-.00554	-.00114	.00001	-.00108	.00018	-.00139	.03533	-.00028
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00094**	**-.00066**
Stddev	.00020	.00182
%RSD	21.420	274.18
#1	-.00079	-.00195
#2	-.00108	.00062
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4992.6**	**81950.**	**6490.1**
Stddev	16.0	237.	82.1
%RSD	.31965	.28865	1.2646
#1	4981.3	82117.	6548.1
#2	5003.9	81783.	6432.0

Sample Name: CCVL2994263 Acquired: 11/16/2014 16:09:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**.11178**	**.01516**	**.10590**	**.01102**	**.00101**	**.11555**	**.22442**	**.00551**	**.01085**	**.01033**	**.01613**
Stddev	.00031	.00143	.00173	.00071	.00029	.00000	.00040	.00090	.00025	.00005	.00043	.00031
%RSD	2.8749	1.2801	11.414	.67060	2.6182	.40418	.34827	.40257	4.4732	.44898	4.1969	1.9287
#1	.01061	.11279	.01393	.10539	.01081	.00101	.11526	.22378	.00568	.01082	.01003	.01635
#2	.01105	.11077	.01638	.10640	.01122	.00101	.11583	.22506	.00533	.01089	.01064	.01591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10866**	**3.2480**	**.01031**	**.22042**	**.01094**	**.02143**	W **1.2530**	**.04379**	**3.0741**	**.00944**	**.00257**	**.01158**
Stddev	.00245	.0197	.00091	.00163	.00002	.00014	.0017	.00021	.0002	.00106	.00298	.00118
%RSD	2.2585	.60496	8.8123	.73893	.16960	.67425	.13326	.47786	.00629	11.243	116.13	10.164
#1	.10693	3.2619	.00967	.21926	.01093	.02154	1.2518	.04365	3.0740	.00869	.00468	.01241
#2	.11040	3.2341	.01095	.22157	.01095	.02133	1.2542	.04394	3.0742	.01019	.00046	.01075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01466**	**.53213**	**.10620**	**.01124**	**.01448**	**.01066**	**.01629**	**.05760**	**.01017**	**.02193**	**.01622**
Stddev	.00328	.01257	.00130	.00001	.00062	.00006	.00196	.00829	.00039	.00072	.00132
%RSD	22.396	2.3616	1.2229	.11434	4.2556	.56541	12.064	14.384	3.8709	3.2915	8.1530
#1	.01234	.52324	.10528	.01125	.01492	.01070	.01490	.05174	.00989	.02142	.01715
#2	.01698	.54101	.10712	.01123	.01405	.01062	.01768	.06346	.01045	.02244	.01528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5048.4**	**82609.**	**6586.4**
Stddev	3.1	69.	12.2
%RSD	.06191	.08385	.18513
#1	5050.6	82560.	6595.0
#2	5046.1	82658.	6577.8

Sample Name: MB 280-252082/1-A Acquired: 11/16/2014 16:12:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00182**	**.00077**	**.00216**	**-.00033**	**.00006**	**-.00048**	**.01047**	**.00007**
Stddev	.00053	.00022	.00099	.00038	.00016	.00011	.00140	.00036	.00009
%RSD	400.05	12.307	128.81	17.532	46.472	191.31	294.89	3.4670	131.45
#1	-.00024	.00166	.00147	.00243	-.00044	.00013	.00052	.01022	.00013
#2	.00051	.00198	.00007	.00189	-.00022	-.00002	-.00147	.01073	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00080**	**.00036**	**.00495**	**.01483**	**-.00076**	**.01080**	**.00006**	**.00019**
Stddev	.00001	.00020	.00021	.00323	.04389	.00057	.00068	.00001	.00023
%RSD	26.218	24.627	58.965	65.179	295.87	74.318	6.3282	19.406	124.49
#1	-.00004	-.00093	.00050	.00724	-.01620	-.00116	.01032	.00005	.00035
#2	-.00005	-.00066	.00021	.00267	.04587	-.00036	.01128	.00007	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08580**	**.00005**	**.00234**	**-.00057**	**.00012**	**-.00067**	**.00119**	**.00866**	**.00100**
Stddev	.00958	.00045	.00076	.00113	.00486	.00060	.00151	.01371	.00076
%RSD	11.161	845.03	32.449	198.09	4130.8	89.032	127.10	158.27	76.133
#1	.09257	.00037	.00287	.00023	-.00332	-.00110	.00225	.01836	.00046
#2	.07903	-.00026	.00180	-.00137	.00355	-.00025	.00012	-.00103	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00021**	**.00021**	**-.00012**	**.00961**	**.00038**	**.00092**	**.00039**
Stddev	.00000	.00247	.00026	.00115	.01319	.00018	.00002	.00012
%RSD	2.5437	1158.8	128.38	975.70	137.28	46.173	2.0359	31.703
#1	.00012	.00196	.00002	.00069	.01894	.00026	.00091	.00047
#2	.00012	-.00153	.00039	-.00093	.00028	.00051	.00094	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5108.4**	**83986.**	**6715.4**
Stddev	7.6	363.	13.6
%RSD	.14855	.43254	.20307
#1	5113.7	83729.	6725.0
#2	5103.0	84243.	6705.7

Sample Name: LCS 280-252082/2-A Acquired: 11/16/2014 16:14:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05441**	**2.0078**	**1.0016**	**1.0261**	**2.1304**	**.05057**	**2.0983**	**51.172**	**.09645**
Stddev	.00013	.0087	.0017	.0007	.0025	.00014	.0022	.056	.00042
%RSD	.23146	.43428	.16870	.07153	.11820	.27863	.10540	.10961	.43646
#1	.05432	2.0139	1.0004	1.0256	2.1322	.05067	2.0968	51.212	.09675
#2	.05450	2.0016	1.0028	1.0266	2.1286	.05047	2.0999	51.132	.09615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49670**	**.20447**	**.25337**	**1.0232**	**51.181**	**1.0816**	**49.951**	**.50081**	**1.0462**
Stddev	.00080	.00009	.00029	.0055	.011	.0026	.103	.00066	.0005
%RSD	.16069	.04401	.11280	.53918	.02127	.24247	.20683	.13234	.04531
#1	.49726	.20441	.25316	1.0271	51.189	1.0797	49.878	.50034	1.0458
#2	.49614	.20454	.25357	1.0193	51.174	1.0834	50.024	.50128	1.0465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.889**	**.49781**	**10.565**	**.50707**	**2.0284**	**.50991**	**2.0478**	**10.121**	**2.0236**
Stddev	.019	.00064	.029	.00103	.0015	.00147	.0020	.002	.0019
%RSD	.03568	.12872	.27114	.20296	.07536	.28921	.09819	.02059	.09647
#1	53.903	.49826	10.585	.50780	2.0295	.51096	2.0464	10.119	2.0250
#2	53.875	.49735	10.545	.50634	2.0273	.50887	2.0492	10.122	2.0223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0601**	**.98551**	**1.0094**	**1.9885**	**2.0328**	**.50234**	**.49713**	**.50173**
Stddev	.0018	.00007	.0011	.0046	.0182	.00301	.00177	.00104
%RSD	.17151	.00749	.11173	.23005	.89661	.59910	.35532	.20645
#1	1.0614	.98546	1.0086	1.9918	2.0199	.50021	.49588	.50246
#2	1.0588	.98556	1.0102	1.9853	2.0457	.50447	.49838	.50100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4911.1**	**80509.**	**6654.1**
Stddev	.3	483.	9.1
%RSD	.00548	.60031	.13612
#1	4910.9	80851.	6660.5
#2	4911.2	80167.	6647.7

Sample Name: 280-62224-A-1-A Acquired: 11/16/2014 16:17:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**5.0175**	**.00918**	**.02175**	**.05027**	**.00034**	**-.00206**	**37.526**	**.00059**
Stddev	.00048	.0219	.00616	.00011	.00043	.00003	.00018	.054	.00011
%RSD	112.60	.43656	67.127	.48274	.86091	8.5854	8.7478	.14378	18.483
#1	.00009	5.0330	.00482	.02168	.05057	.00032	-.00193	37.564	.00067
#2	.00077	5.0020	.01354	.02183	.04996	.00036	-.00219	37.488	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02064**	**.00564**	**.03456**	**13.220**	**1.7443**	**.01007**	**5.9134**	**1.0036**	**.00334**
Stddev	.00040	.00033	.00009	.009	.0031	.00088	.0259	.0028	.00022
%RSD	1.9591	5.8057	.25207	.06759	.17683	8.7564	.43732	.27939	6.6560
#1	.02093	.00541	.03449	13.213	1.7465	.00945	5.8951	1.0016	.00350
#2	.02036	.00587	.03462	13.226	1.7421	.01070	5.9317	1.0056	.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9573**	**.01794**	**.18903**	**.00354**	**1.2256**	**.00154**	**-.00276**	**8.1005**	**-.00012**
Stddev	.0150	.00006	.00464	.00101	.0119	.00130	.00277	.0406	.00022
%RSD	.38020	.31178	2.4533	28.557	.97181	84.728	100.22	.50111	177.80
#1	3.9679	.01798	.19231	.00425	1.2172	.00246	-.00080	8.1292	.00003
#2	3.9466	.01790	.18575	.00282	1.2340	.00062	-.00472	8.0717	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13262**	**.00185**	**.05088**	**.00147**	**-.01612**	**.00994**	**.25331**	**.00178**
Stddev	.00011	.00086	.00061	.00084	.00046	.00081	.00065	.00070
%RSD	.08646	46.532	1.1937	57.164	2.8286	8.1331	.25580	39.349
#1	.13271	.00246	.05045	.00206	-.01580	.00937	.25286	.00228
#2	.13254	.00124	.05131	.00087	-.01644	.01052	.25377	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5123.2**	**83287.**	**6820.1**
Stddev	9.4	109.	5.5
%RSD	.18438	.13033	.08056
#1	5116.5	83363.	6816.2
#2	5129.8	83210.	6824.0

Sample Name: 280-62224-A-1-A SD@5 Acquired: 11/16/2014 16:19:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**1.0094**	**.00345**	**.00576**	**.01027**	**.00013**	**.00069**	**7.5875**	**.00006**
Stddev	.00032	.0049	.00111	.00032	.00015	.00003	.00150	.0061	.00002
%RSD	1091.6	.48147	32.304	5.5687	1.4946	20.507	218.54	.08088	28.368
#1	.00025	1.0128	.00424	.00599	.01016	.00011	.00175	7.5918	.00005
#2	-.00020	1.0060	.00266	.00554	.01037	.00015	-.00038	7.5832	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.00071**	**.00716**	**2.7054**	**.35201**	**-.00047**	**1.2075**	**.20444**	**.00056**
Stddev	.00043	.00001	.00028	.0091	.03626	.00043	.0033	.00027	.00020
%RSD	11.116	.90611	3.9057	.33730	10.301	93.127	.27595	.13084	35.686
#1	.00422	.00071	.00696	2.7119	.37765	-.00016	1.2098	.20463	.00070
#2	.00361	.00072	.00735	2.6989	.32637	-.00077	1.2051	.20426	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85462**	**.00386**	**.04054**	**.00135**	**.23847**	**.00004**	**-.00433**	**1.6234**	**.00041**
Stddev	.01475	.00006	.00083	.00116	.00452	.00088	.00117	.0184	.00010
%RSD	1.7257	1.4930	2.0551	85.683	1.8948	2435.4	27.104	1.1306	24.248
#1	.86505	.00390	.03995	.00053	.24166	-.00058	-.00516	1.6105	.00034
#2	.84419	.00382	.04113	.00217	.23527	.00065	-.00350	1.6364	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02697**	**-.00097**	**.01006**	**.00079**	**.01281**	**.00156**	**.05141**	**.00138**
Stddev	.00007	.00183	.00046	.00153	.01254	.00036	.00075	.00009
%RSD	.25426	188.18	4.5555	195.27	97.925	22.972	1.4519	6.2764
#1	.02702	-.00226	.01038	-.00030	.02167	.00131	.05088	.00132
#2	.02692	.00032	.00973	.00187	.00394	.00181	.05194	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5095.2**	**83395.**	**6653.8**
Stddev	11.3	395.	25.4
%RSD	.22142	.47395	.38150
#1	5103.2	83115.	6635.9
#2	5087.2	83674.	6671.8

Sample Name: 280-62224-A-1-B MS Acquired: 11/16/2014 16:22:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05534**	**10.793**	**1.0088**	**1.0436**	**2.2118**	**.05110**	**2.0735**	**88.475**	**.09697**
Stddev	.00001	.094	.0008	.0029	.0047	.00016	.0010	.187	.00000
%RSD	.01602	.87008	.08341	.27414	.21441	.30760	.04850	.21100	.00451
#1	.05533	10.726	1.0094	1.0416	2.2084	.05098	2.0727	88.343	.09697
#2	.05534	10.859	1.0082	1.0456	2.2151	.05121	2.0742	88.607	.09696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51648**	**.21315**	**.29308**	**14.566**	**54.210**	**1.1071**	**56.117**	**1.4903**	**1.0478**
Stddev	.00091	.00019	.00019	.018	.076	.0016	.035	.0008	.0019
%RSD	.17595	.08968	.06376	.12577	.14037	.14683	.06257	.05010	.17946
#1	.51583	.21302	.29295	14.553	54.156	1.1060	56.092	1.4897	1.0465
#2	.51712	.21329	.29322	14.579	54.263	1.1082	56.142	1.4908	1.0492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.421**	**.51519**	**10.737**	**.50943**	**3.2953**	**.50698**	**2.0408**	**24.459**	**2.0057**
Stddev	.042	.00006	.032	.00142	.0164	.00094	.0081	.008	.0065
%RSD	.07266	.01235	.29358	.27783	.49837	.18505	.39718	.03376	.32623
#1	57.451	.51523	10.715	.51043	3.2837	.50632	2.0351	24.465	2.0010
#2	57.392	.51514	10.759	.50843	3.3069	.50764	2.0465	24.453	2.0103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1981**	**.98483**	**1.0850**	**1.9621**	**2.0349**	**.51916**	**.75026**	**.51200**
Stddev	.0022	.00196	.0005	.0010	.0329	.00034	.00135	.00086
%RSD	.17950	.19887	.04769	.05344	1.6182	.06560	.17934	.16824
#1	1.1965	.98344	1.0846	1.9614	2.0582	.51940	.75121	.51139
#2	1.1996	.98621	1.0854	1.9629	2.0116	.51892	.74930	.51261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4935.0**	**80413.**	**6686.3**
Stddev	2.5	21.	50.1
%RSD	.05013	.02618	.74949
#1	4936.8	80428.	6721.8
#2	4933.3	80398.	6650.9

Sample Name: 280-62224-A-1-C MSD Acquired: 11/16/2014 16:24:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05539**	**10.766**	**1.0024**	**1.0481**	**2.2192**	**.05118**	**2.0675**	**89.745**	**.09655**
Stddev	.00049	.061	.0012	.0003	.0038	.00004	.0061	.239	.00027
%RSD	.89360	.56410	.11698	.02677	.17287	.08234	.29684	.26638	.27655
#1	.05574	10.809	1.0032	1.0483	2.2220	.05115	2.0718	89.914	.09674
#2	.05504	10.723	1.0016	1.0479	2.2165	.05121	2.0632	89.576	.09636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51786**	**.21315**	**.29487**	**15.018**	**54.160**	**1.1124**	**56.178**	**1.5261**	**1.0513**
Stddev	.00001	.00019	.00095	.044	.009	.0033	.077	.0009	.0010
%RSD	.00287	.08767	.32335	.29632	.01610	.29703	.13784	.06180	.09987
#1	.51785	.21302	.29419	15.050	54.166	1.1147	56.124	1.5254	1.0521
#2	.51787	.21329	.29554	14.987	54.154	1.1100	56.233	1.5268	1.0506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.469**	**.51546**	**10.748**	**.50669**	**3.3366**	**.50466**	**2.0349**	**24.610**	**2.0136**
Stddev	.063	.00012	.001	.00244	.0073	.00248	.0029	.091	.0005
%RSD	.10890	.02302	.00932	.48244	.22015	.49122	.14174	.36990	.02428
#1	57.513	.51555	10.749	.50496	3.3314	.50291	2.0329	24.675	2.0139
#2	57.425	.51538	10.747	.50842	3.3418	.50642	2.0370	24.546	2.0132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2043**	**.98295**	**1.0839**	**1.9612**	**2.0187**	**.52000**	**.75603**	**.51286**
Stddev	.0031	.00060	.0010	.0038	.0078	.00016	.00046	.00243
%RSD	.25924	.06128	.09423	.19313	.38843	.03128	.06137	.47406
#1	1.2065	.98253	1.0832	1.9639	2.0243	.51988	.75635	.51114
#2	1.2020	.98338	1.0846	1.9585	2.0132	.52011	.75570	.51458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4929.4**	**80992.**	**6676.3**
Stddev	22.6	47.	24.2
%RSD	.45859	.05850	.36182
#1	4913.4	81025.	6659.2
#2	4945.3	80958.	6693.4

Sample Name: 280-62224-A-1-A PDS Acquired: 11/16/2014 16:27:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00698**	**6.0269**	**.21223**	**.12231**	**.16753**	**.05610**	**.00029**	**58.801**	**.05225**
Stddev	.00083	.0149	.00326	.00247	.00022	.00016	.00095	.012	.00135
%RSD	11.870	.24730	1.5365	2.0184	.12845	.28254	324.25	.01955	2.5880
#1	.00757	6.0375	.21454	.12406	.16768	.05621	-.00038	58.809	.05321
#2	.00640	6.0164	.20993	.12056	.16738	.05598	.00097	58.793	.05130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07116**	**.05830**	**.08959**	**13.960**	**24.039**	**.12967**	**27.181**	**1.0249**	**.05270**
Stddev	.00058	.00134	.00044	.045	.084	.00101	.144	.0005	.00125
%RSD	.80914	2.2967	.49589	.32021	.34810	.78235	.53065	.04843	2.3650
#1	.07157	.05925	.08990	13.929	24.098	.12896	27.283	1.0253	.05358
#2	.07075	.05736	.08928	13.992	23.980	.13039	27.079	1.0246	.05182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.688**	**.06981**	**2.3470**	**.11032**	**1.2109**	**.09893**	**.20795**	**13.212**	**.09877**
Stddev	.120	.00056	.0466	.00177	.0018	.00332	.00872	.014	.00161
%RSD	.43280	.80661	1.9840	1.6047	.14455	3.3551	4.1913	.10420	1.6272
#1	27.773	.07021	2.3799	.11158	1.2096	.10127	.21411	13.202	.09990
#2	27.604	.06941	2.3140	.10907	1.2121	.09658	.20178	13.222	.09763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18767**	**.21312**	**.10096**	**.20895**	**.52205**	**.06483**	**.46588**	**.05708**
Stddev	.00028	.00052	.00001	.00542	.00360	.00040	.00192	.00058
%RSD	.14841	.24348	.01174	2.5945	.68981	.62265	.41137	1.0127
#1	.18787	.21275	.10096	.21278	.52460	.06512	.46724	.05667
#2	.18747	.21348	.10097	.20512	.51950	.06455	.46453	.05749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5036.1**	**81923.**	**6774.2**
Stddev	13.7	473.	21.2
%RSD	.27207	.57723	.31266
#1	5045.7	81589.	6789.2
#2	5026.4	82257.	6759.3

Sample Name: 280-61905-G-10-C @10 Acquired: 11/16/2014 16:29:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252082 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00001**	**.00289**	**.16798**	**.00138**	**-.00000**	**.00200**	**3.6316**	**-.00013**
Stddev	.00022	.00044	.00383	.00027	.00025	.00003	.00298	.0001	.00001
%RSD	419.34	7974.6	132.32	.16110	18.395	571.55	148.82	.00409	10.228
#1	-.00010	.00031	.00560	.16817	.00120	.00001	.00411	3.6317	-.00014
#2	.00020	-.00032	.00019	.16779	.00156	-.00002	-.00010	3.6315	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00024**	**.00063**	**.01840**	**.04366**	**.00941**	**.81933**	**.00317**	**.00096**
Stddev	.00001	.00020	.00002	.00135	.06875	.00192	.00427	.00001	.00011
%RSD	7.1096	85.788	3.5902	7.3487	157.46	20.449	.52159	.30686	11.639
#1	.00020	-.00009	.00061	.01935	-.00495	.00805	.81631	.00317	.00104
#2	.00018	-.00038	.00064	.01744	.09227	.01077	.82235	.00318	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**97.775**	**.00010**	**.00787**	**-.00097**	**29.021**	**.00184**	**-.00102**	**.52135**	**-.00035**
Stddev	.187	.00012	.00158	.00015	.023	.00027	.00223	.01788	.00034
%RSD	.19163	120.58	20.055	14.918	.08060	14.473	218.32	3.4296	98.367
#1	97.643	.00019	.00898	-.00087	29.037	.00203	-.00260	.53400	-.00011
#2	97.908	.00002	.00675	-.00108	29.004	.00165	.00056	.50871	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10692**	**-.00089**	**.00010**	**.00190**	**.03853**	**.00040**	**.00055**	**-.00254**
Stddev	.00005	.00086	.00047	.00167	.01959	.00023	.00004	.00164
%RSD	.04469	96.817	475.04	87.475	50.833	57.897	7.1926	64.652
#1	.10689	-.00028	-.00023	.00308	.02468	.00056	.00052	-.00370
#2	.10696	-.00149	.00043	.00073	.05238	.00023	.00058	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4967.2**	**81158.**	**6551.0**
Stddev	7.4	402.	11.6
%RSD	.14971	.49569	.17743
#1	4972.4	81443.	6559.2
#2	4961.9	80874.	6542.8

Sample Name: ccvh-2982968 Acquired: 11/16/2014 16:32:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00597**	**53.113**	**.00162**	**.00506**	**.00036**	**-.00022**	**1.0176**	**-.09544**	**-.00056**	**.00153**	**-.00043**	**-.00224**	**53.908**
Stddev	.00064	.273	.00225	.00131	.00009	.00007	.0057	.00071	.00005	.00035	.00014	.00002	.269
%RSD	10.652	.51455	138.95	25.996	23.978	34.478	.56118	.74001	9.1414	23.129	32.900	.72616	.49843
#1	.00642	52.920	.00321	.00413	.00030	-.00027	1.0135	-.09594	-.00053	.00178	-.00053	-.00223	53.718
#2	.00552	53.306	.00003	.00599	.00042	-.00016	1.0216	-.09494	-.00060	.00128	-.00033	-.00225	54.098
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01954**	**-.00063**	**.14026**	**-.00289**	**-.00148**	**264.09**	**.00125**	**.00627**	**.00120**	**5.0687**	**.00833**	**-.00102**	**-.00429**
Stddev	.00217	.00159	.00517	.00004	.00008	1.09	.00056	.00317	.00058	.0075	.00101	.00208	.00380
%RSD	11.124	254.13	3.6894	1.3622	5.5823	.41405	44.971	50.570	48.613	.14695	12.087	203.07	88.604
#1	.01800	-.00175	.14392	-.00286	-.00153	263.32	.00165	.00403	.00078	5.0740	.00904	-.00249	-.00160
#2	.02107	.00050	.13660	-.00292	-.00142	264.87	.00085	.00851	.00161	5.0634	.00762	.00045	-.00697
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00326**	**.00048**	**4.9610**	**-.02428**	**.00080**	**10.001**	**.00379**	**-.00057**	**-.03262**
Stddev	.00003	.00004	.0035	.00002	.00083	.046	.00020	.00000	.00061
%RSD	.96988	8.7123	.07061	.08186	103.97	.46342	5.2662	.48238	1.8610
#1	.00328	.00051	4.9635	-.02427	.00021	10.034	.00393	-.00057	-.03219
#2	.00324	.00045	4.9585	-.02430	.00139	9.9686	.00365	-.00058	-.03305
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4884.7**	**79731.**	**6527.6**
Stddev	1.3	126.	2.8
%RSD	.02709	.15765	.04327
#1	4885.6	79642.	6529.6
#2	4883.8	79820.	6525.6

Sample Name: ccv-2984587 Acquired: 11/16/2014 16:35:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49912**	**.52247**	**.99589**	**.50154**	**.53227**	**.50251**	**.00796**	**5.1081**	**.49901**	**.50300**	**.50948**	**.50511**	**2.5823**
Stddev	.00105	.00068	.00167	.00027	.00123	.00015	.00015	.0093	.00104	.00146	.00075	.00155	.0109
%RSD	.21069	.12985	.16798	.05405	.23113	.02936	1.8685	.18273	.20796	.29047	.14783	.30656	.42092
#1	.49838	.52199	.99707	.50173	.53140	.50241	.00807	5.1015	.49974	.50404	.51002	.50402	2.5900
#2	.49987	.52295	.99470	.50134	.53314	.50262	.00785	5.1147	.49827	.50197	.50895	.50621	2.5746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.651**	**1.0886**	**19.796**	**.50394**	**.50944**	**5.4639**	**.50750**	**1.0142**	**1.0181**	**-.00578**	**.99214**	**1.0032**	**5.0820**
Stddev	.004	.0044	.008	.00006	.00083	.0066	.00152	.0017	.0010	.00599	.00193	.0000	.0073
%RSD	.00880	.40051	.04286	.01216	.16202	.12070	.29923	.16642	.09819	103.62	.19464	.00166	.14431
#1	50.648	1.0855	19.790	.50399	.51002	5.4593	.50857	1.0154	1.0188	-.00154	.99351	1.0032	5.0768
#2	50.654	1.0916	19.802	.50390	.50885	5.4686	.50643	1.0130	1.0174	-.01001	.99078	1.0032	5.0872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0107**	**.52821**	**.00932**	**.50786**	**1.0157**	**.03649**	**.49401**	**.50152**	**.51093**
Stddev	.0004	.00121	.00063	.00057	.0018	.00252	.00043	.00097	.00020
%RSD	.04209	.22998	6.7459	.11214	.17479	6.9043	.08774	.19352	.03981
#1	1.0110	.52735	.00976	.50826	1.0170	.03828	.49432	.50083	.51078
#2	1.0104	.52907	.00887	.50746	1.0145	.03471	.49370	.50221	.51107
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4971.9**	**81455.**	**6418.9**
Stddev	.1	45.	89.9
%RSD	.00205	.05555	1.4006
#1	4972.0	81423.	6355.4
#2	4971.8	81487.	6482.5

Sample Name: CCB Acquired: 11/16/2014 16:37:44 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00159**	**.00078**	F **.00333**	**-.00001**	**.00002**	**.00017**	**.00248**	**-.00003**	**-.00014**	**-.00064**	**.00034**
Stddev	.00037	.00149	.00456	.00031	.00006	.00002	.00071	.00198	.00020	.00006	.00008	.00051
%RSD	283.70	93.977	585.65	9.2100	414.53	116.33	415.97	79.997	699.85	42.505	11.812	148.94
#1	.00013	-.00053	.00400	.00311	-.00005	.00000	.00067	.00388	.00011	-.00018	-.00070	.00071
#2	-.00039	-.00264	-.00245	.00354	.00003	.00003	-.00033	.00108	-.00017	-.00010	-.00059	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**-.01166**	**-.00103**	**.00377**	**-.00004**	**.00039**	**.08262**	**-.00015**	**.00380**	**-.00016**	**.00495**	**.00129**
Stddev	.00044	.01977	.00120	.00435	.00002	.00025	.00369	.00002	.00513	.00098	.00032	.00005
%RSD	18.063	169.54	115.96	115.55	40.873	64.211	4.4627	12.250	134.95	626.68	6.4852	3.9770
#1	.00210	.00232	-.00019	.00684	-.00003	.00057	.08523	-.00016	.00743	.00054	.00518	.00125
#2	.00272	-.02564	-.00188	.00069	-.00005	.00021	.08001	-.00014	.00017	-.00085	.00473	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00544**	**-.00047**	**.00005**	**.00098**	**-.00009**	**-.00048**	**-.00967**	**-.00021**	**-.00024**	**.00025**
Stddev	.00431	.00630	.00021	.00010	.00184	.00002	.00240	.01650	.00009	.00034	.00086
%RSD	551.80	115.71	44.548	191.09	188.96	24.663	503.39	170.73	44.265	138.46	338.60
#1	-.00227	.00099	-.00032	-.00002	.00228	-.00008	.00122	.00200	-.00028	-.00048	.00086
#2	.00383	.00990	-.00062	.00012	-.00033	-.00011	-.00217	-.02134	-.00015	-.00001	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5047.5**	**82889.**	**6553.9**
Stddev	14.2	2.	18.7
%RSD	.28162	.00214	.28497
#1	5037.5	82890.	6540.7
#2	5057.6	82888.	6567.1

Sample Name: CCVL2994263 Acquired: 11/16/2014 16:40:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01065**	**.11237**	**.01657**	**.10532**	**.01114**	**.00103**	**.11070**	**.21967**	**.00538**	**.01068**	**.01036**	**.01635**
Stddev	.00097	.00045	.00234	.00037	.00004	.00005	.00054	.00102	.00009	.00001	.00041	.00013
%RSD	9.1379	.39628	14.126	.34913	.33644	4.6750	.48966	.46544	1.6578	.04796	3.9596	.79008
#1	.01134	.11205	.01491	.10506	.01117	.00106	.11108	.22039	.00532	.01068	.01065	.01644
#2	.00996	.11268	.01822	.10558	.01111	.00099	.11031	.21895	.00544	.01068	.01007	.01625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11055**	**3.2288**	**.01001**	**.22118**	**.01089**	**.02106**	W **1.2188**	**.04373**	**3.0522**	**.00916**	**-.00182**	W **.01278**
Stddev	.00104	.0431	.00021	.00186	.00009	.00001	.0002	.00020	.0197	.00056	.00053	.00263
%RSD	.93773	1.3341	2.0924	.83927	.79619	.03869	.01726	.46447	.64401	6.0643	29.329	20.608
#1	.11128	3.1983	.01016	.22250	.01083	.02106	1.2190	.04388	3.0383	.00956	-.00144	.01092
#2	.10981	3.2593	.00986	.21987	.01095	.02105	1.2187	.04359	3.0661	.00877	-.00220	.01465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn
Value							1.0000					.01000
Range							20.000%					20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01340**	**.51710**	**.10822**	**.01127**	**.01573**	**.01044**	**.01515**	**.05317**	**.01049**	**.02201**	**.01571**
Stddev	.00104	.01175	.00055	.00015	.00052	.00013	.00018	.04244	.00061	.00031	.00147
%RSD	7.7586	2.2729	.50609	1.3393	3.3074	1.2261	1.2015	79.827	5.8039	1.4279	9.3396
#1	.01267	.50879	.10783	.01138	.01609	.01053	.01502	.08318	.01093	.02179	.01467
#2	.01414	.52542	.10860	.01117	.01536	.01035	.01528	.02316	.01006	.02223	.01675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5014.0**	**82191.**	**6512.8**
Stddev	61.4	903.	93.9
%RSD	1.2251	1.0991	1.4421
#1	4970.6	82830.	6446.3
#2	5057.5	81553.	6579.2

Sample Name: MB 280-251457/1-A Acquired: 11/16/2014 16:43:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/6 Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00153**	**-.00290**	**.00188**	**-.00014**	**-.00000**	**-.00141**	**.00792**	**.00005**
Stddev	.00050	.00064	.00294	.00061	.00062	.00010	.00245	.00222	.00011
%RSD	100.34	41.720	101.56	32.744	438.49	2463.3	173.45	28.042	205.75
#1	.00015	.00108	-.00498	.00231	-.00058	-.00007	.00032	.00635	-.00002
#2	.00086	.00198	-.00082	.00144	.00030	.00006	-.00314	.00949	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00040**	**.00034**	**.00480**	**-.02029**	**-.00219**	**.00543**	**.00016**	**.00023**
Stddev	.00010	.00002	.00005	.00122	.05047	.00128	.00110	.00001	.00008
%RSD	46.058	4.8226	15.558	25.445	248.74	58.507	20.295	6.1865	36.003
#1	-.00029	-.00038	.00038	.00567	.01540	-.00310	.00465	.00015	.00017
#2	-.00015	-.00041	.00031	.00394	-.05598	-.00128	.00621	.00017	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06551**	**.00009**	**.00280**	**-.00142**	**.00425**	**-.00024**	**.00117**	**-.00207**	**.00059**
Stddev	.00835	.00029	.00299	.00159	.00032	.00103	.00696	.00399	.00014
%RSD	12.746	336.98	106.87	112.50	7.6038	426.37	595.39	192.28	23.983
#1	.05960	.00029	.00491	-.00029	.00402	-.00097	-.00375	-.00489	.00069
#2	.07141	-.00012	.00068	-.00254	.00448	.00049	.00609	.00075	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00017**	**.00013**	**-.00010**	**-.03240**	**-.00001**	**.00377**	**.00048**
Stddev	.00001	.00143	.00039	.00234	.00890	.00070	.00054	.00065
%RSD	30.561	843.94	288.21	2294.1	27.460	6572.0	14.263	134.33
#1	.00003	-.00084	-.00014	.00155	-.02611	.00048	.00339	.00002
#2	.00005	.00118	.00041	-.00175	-.03869	-.00050	.00415	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5115.9**	**84193.**	**6635.7**
Stddev	17.5	97.	86.6
%RSD	.34302	.11501	1.3051
#1	5128.4	84262.	6696.9
#2	5103.5	84125.	6574.4

Sample Name: LCS 280-251457/2-A Acquired: 11/16/2014 16:45:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05438**	**2.0089**	**1.0015**	**1.0295**	**2.1517**	**.05023**	**2.0713**	**51.135**	**.09681**
Stddev	.00003	.0060	.0028	.0016	.0007	.00008	.0018	.057	.00008
%RSD	.05657	.30132	.28252	.15968	.03292	.15957	.08731	.11158	.08706
#1	.05440	2.0132	1.0035	1.0306	2.1512	.05029	2.0726	51.175	.09687
#2	.05436	2.0046	.99946	1.0283	2.1522	.05018	2.0700	51.095	.09675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49909**	**.20446**	**.25380**	**1.0263**	**51.273**	**1.0903**	**49.724**	**.50300**	**1.0414**
Stddev	.00064	.00001	.00051	.0028	.033	.0020	.018	.00031	.0019
%RSD	.12787	.00585	.20199	.27246	.06436	.18387	.03709	.06180	.18565
#1	.49954	.20445	.25416	1.0282	51.250	1.0889	49.737	.50321	1.0400
#2	.49864	.20447	.25343	1.0243	51.296	1.0917	49.711	.50278	1.0428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.533**	**.49959**	**10.482**	**.50805**	**2.0425**	**.51014**	**2.0243**	**10.244**	**2.0406**
Stddev	.419	.00127	.001	.00103	.0186	.00247	.0029	.011	.0016
%RSD	.78201	.25403	.00702	.20233	.91203	.48386	.14477	.10417	.07746
#1	53.829	.50049	10.482	.50878	2.0557	.51189	2.0222	10.237	2.0395
#2	53.237	.49869	10.483	.50733	2.0294	.50840	2.0263	10.252	2.0418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0586**	**.97718**	**1.0260**	**1.9857**	**2.0453**	**.50229**	**.49967**	**.51266**
Stddev	.0007	.00321	.0009	.0014	.0018	.00044	.00287	.00179
%RSD	.06511	.32868	.09074	.06838	.08909	.08756	.57469	.34820
#1	1.0591	.97491	1.0266	1.9867	2.0466	.50198	.49764	.51392
#2	1.0582	.97946	1.0253	1.9847	2.0440	.50260	.50170	.51140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4912.9**	**80572.**	**6609.5**
Stddev	3.3	59.	14.1
%RSD	.06763	.07307	.21383
#1	4915.2	80530.	6619.5
#2	4910.5	80614.	6599.5

Sample Name: 280-61929-D-2-A Acquired: 11/16/2014 16:48:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00599**	**.00140**	**.22065**	**.48511**	**-.00005**	**-.00681**	**114.81**	**.00031**
Stddev	.00032	.00020	.00398	.00121	.00016	.00004	.00140	.05	.00028
%RSD	81.994	3.2861	284.63	.54766	.03324	70.742	20.525	.03968	90.324
#1	.00017	.00585	.00422	.21979	.48523	-.00003	-.00780	114.77	.00011
#2	.00062	.00613	-.00142	.22150	.48500	-.00008	-.00582	114.84	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**-.00023**	**.00304**	**.05470**	**15.484**	**.02447**	**15.859**	**.12076**	**.00273**
Stddev	.00030	.00003	.00006	.00018	.044	.00183	.006	.00013	.00016
%RSD	22.166	11.947	1.8776	.32850	.28606	7.4732	.03618	.11047	5.9253
#1	.00159	-.00021	.00308	.05457	15.453	.02318	15.855	.12085	.00284
#2	.00116	-.00025	.00300	.05483	15.515	.02577	15.863	.12066	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.166**	**.00385**	**.17197**	**-.00112**	**35.395**	**.00300**	**.00109**	**13.011**	**.00058**
Stddev	.085	.00009	.00198	.00035	.017	.00002	.00189	.003	.00082
%RSD	.22759	2.4224	1.1540	30.993	.04916	.77483	173.93	.02533	142.31
#1	37.107	.00378	.17337	-.00136	35.407	.00298	.00242	13.009	-.00000
#2	37.226	.00391	.17057	-.00087	35.383	.00301	-.00025	13.013	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53927**	**.00035**	**.00040**	**.00225**	**.04044**	**.00361**	**.00803**	**.00046**
Stddev	.00067	.00057	.00036	.00052	.00984	.00002	.00031	.00099
%RSD	.12484	161.95	91.154	23.182	24.324	.67759	3.8195	216.05
#1	.53879	.00075	.00065	.00188	.03349	.00359	.00824	.00116
#2	.53975	-.00005	.00014	.00262	.04740	.00363	.00781	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4885.4**	**79818.**	**6430.4**
Stddev	6.5	257.	41.9
%RSD	.13397	.32143	.65174
#1	4880.8	79637.	6460.0
#2	4890.0	80000.	6400.7

Sample Name: 280-61929-D-2-A SD@5 Acquired: 11/16/2014 16:50:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00142**	**.00040**	**.04597**	**.09804**	**-.00006**	**.00103**	**23.129**	**.00014**
Stddev	.00034	.00009	.00365	.00010	.00087	.00003	.00116	.026	.00014
%RSD	58.147	6.5289	911.59	.21535	.88240	41.777	112.18	.11033	96.449
#1	.00082	.00135	.00299	.04590	.09865	-.00004	.00185	23.147	.00005
#2	.00034	.00148	-.00218	.04604	.09743	-.00008	.00021	23.111	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00031**	**.00036**	**.02128**	**3.1355**	**.00199**	**3.2983**	**.02488**	**.00106**
Stddev	.00008	.00003	.00007	.00203	.0460	.00144	.0018	.00004	.00014
%RSD	21.258	11.160	19.219	9.5511	1.4684	72.227	.05512	.16468	13.596
#1	.00033	-.00034	.00041	.01984	3.1029	.00301	3.2970	.02485	.00116
#2	.00045	-.00029	.00031	.02272	3.1680	.00098	3.2996	.02491	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.5164**	**.00109**	**.03315**	**-.00180**	**6.9352**	**.00327**	W **-.00548**	**2.6004**	**.00014**
Stddev	.0207	.00022	.00100	.00001	.0154	.00146	.00275	.0105	.00024
%RSD	.27497	20.030	3.0266	.32752	.22231	44.591	50.097	.40263	168.01
#1	7.5310	.00125	.03244	-.00181	6.9243	.00430	-.00742	2.6078	.00031
#2	7.5018	.00094	.03386	-.00180	6.9461	.00224	-.00354	2.5930	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10953**	**-.00019**	**-.00007**	**.00179**	**.03706**	**.00076**	**.00189**	**-.00012**
Stddev	.00007	.00077	.00018	.00264	.00067	.00092	.00067	.00059
%RSD	.06405	398.90	270.66	146.96	1.8015	121.69	35.457	484.07
#1	.10958	-.00074	.00006	.00366	.03659	.00141	.00142	.00030
#2	.10948	.00035	-.00019	-.00007	.03754	.00011	.00237	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5004.5**	**80818.**	**6381.2**
Stddev	43.0	431.	37.6
%RSD	.85904	.53297	.58973
#1	4974.1	81122.	6354.6
#2	5034.9	80513.	6407.8

Sample Name: 280-61929-D-2-B MS Acquired: 11/16/2014 16:53:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05406**	**1.9834**	**1.0174**	**1.2310**	**2.6421**	**.05083**	**2.0380**	**162.59**	**.09686**
Stddev	.00027	.0072	.0043	.0018	.0041	.00008	.0008	.37	.00032
%RSD	.50651	.36422	.42557	.14487	.15460	.15119	.04190	.22458	.32782
#1	.05426	1.9885	1.0204	1.2322	2.6392	.05077	2.0374	162.33	.09709
#2	.05387	1.9783	1.0143	1.2297	2.6450	.05088	2.0386	162.85	.09664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49698**	**.20488**	**.25611**	**1.0844**	**67.121**	**1.1253**	**64.882**	**.65686**	**1.0437**
Stddev	.00172	.00028	.00012	.0004	.266	.0003	.069	.00044	.0005
%RSD	.34686	.13471	.04532	.03833	.39574	.02213	.10710	.06759	.04985
#1	.49820	.20469	.25620	1.0841	66.933	1.1252	64.932	.65717	1.0441
#2	.49576	.20508	.25603	1.0847	67.309	1.1255	64.833	.65655	1.0434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**88.975**	**.49848**	**10.810**	**.49868**	**37.171**	**.50704**	**2.0125**	**23.051**	**2.0285**
Stddev	.176	.00013	.024	.00116	.086	.00219	.0076	.051	.0058
%RSD	.19771	.02572	.21740	.23306	.23077	.43260	.37610	.21952	.28736
#1	88.851	.49857	10.827	.49950	37.231	.50859	2.0179	23.015	2.0326
#2	89.100	.49839	10.794	.49786	37.110	.50549	2.0071	23.087	2.0243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5903**	**.98696**	**1.0328**	**1.9231**	**2.0704**	**.51282**	**.50616**	**.51200**
Stddev	.0035	.00227	.0011	.0033	.0136	.00145	.00021	.00310
%RSD	.21977	.22990	.10637	.16941	.65614	.28241	.04080	.60599
#1	1.5878	.98857	1.0336	1.9255	2.0800	.51384	.50601	.50980
#2	1.5928	.98536	1.0321	1.9208	2.0608	.51179	.50631	.51419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4773.1**	**77748.**	**6469.3**
Stddev	8.3	58.	68.3
%RSD	.17335	.07498	1.0551
#1	4767.3	77707.	6517.6
#2	4779.0	77789.	6421.0

Sample Name: 280-61929-D-2-C MSD Acquired: 11/16/2014 16:55:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05359**	**1.9642**	**1.0051**	**1.2272**	**2.6261**	**.05012**	**2.0071**	**163.74**	**.09612**
Stddev	.00061	.0006	.0001	.0038	.0062	.00013	.0056	.62	.00007
%RSD	1.1324	.02797	.01539	.31155	.23698	.26479	.28106	.38168	.07031
#1	.05316	1.9646	1.0050	1.2245	2.6217	.05003	2.0031	163.30	.09617
#2	.05401	1.9638	1.0052	1.2299	2.6305	.05021	2.0111	164.18	.09607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49153**	**.20254**	**.25435**	**1.0704**	**66.782**	**1.1093**	**64.674**	**.61470**	**1.0296**
Stddev	.00020	.00031	.00035	.0063	.303	.0064	.029	.00083	.0033
%RSD	.03997	.15379	.13891	.59296	.45405	.57421	.04469	.13566	.32486
#1	.49139	.20276	.25460	1.0659	66.567	1.1048	64.695	.61411	1.0273
#2	.49167	.20232	.25410	1.0749	66.996	1.1138	64.654	.61529	1.0320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**89.212**	**.49373**	**10.652**	**.49466**	**37.770**	**.49907**	**1.9830**	**23.124**	**2.0029**
Stddev	.426	.00022	.010	.00079	.043	.00215	.0024	.086	.0001
%RSD	.47703	.04429	.08928	.15954	.11480	.43036	.11880	.37017	.00540
#1	88.911	.49388	10.659	.49410	37.739	.49755	1.9847	23.063	2.0029
#2	89.513	.49358	10.646	.49521	37.800	.50059	1.9813	23.184	2.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5859**	**.97433**	**1.0219**	**1.9010**	**2.0422**	**.50499**	**.50519**	**.50769**
Stddev	.0046	.00035	.0018	.0033	.0141	.00100	.00102	.00245
%RSD	.28914	.03618	.17629	.17461	.68883	.19844	.20221	.48231
#1	1.5826	.97408	1.0206	1.8986	2.0323	.50428	.50447	.50596
#2	1.5891	.97458	1.0232	1.9033	2.0521	.50570	.50591	.50942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4769.1**	**77697.**	**6492.2**
Stddev	1.6	228.	70.9
%RSD	.03404	.29349	1.0925
#1	4768.0	77858.	6542.4
#2	4770.3	77536.	6442.1

Sample Name: 280-61929-D-2-A PDS Acquired: 11/16/2014 16:58:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00876**	**1.0407**	**.20934**	**.31307**	**.58755**	**.05192**	**-.00306**	**132.61**	**.05108**
Stddev	.00000	.0001	.00507	.00109	.00049	.00003	.00096	.26	.00009
%RSD	.01130	.00461	2.4242	.34835	.08384	.05901	31.208	.19327	.17793
#1	.00876	1.0407	.20575	.31384	.58789	.05194	-.00374	132.79	.05102
#2	.00876	1.0407	.21293	.31230	.58720	.05190	-.00239	132.43	.05115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05210**	**.05146**	**.05503**	**1.1101**	**36.266**	**.13597**	**35.506**	**.16942**	**.05183**
Stddev	.00007	.00018	.00019	.0003	.091	.00183	.007	.00064	.00025
%RSD	.12620	.35191	.34262	.02885	.24975	1.3453	.01990	.38032	.48569
#1	.05215	.05159	.05490	1.1103	36.330	.13468	35.501	.16988	.05166
#2	.05206	.05133	.05516	1.1098	36.202	.13726	35.511	.16897	.05201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.100**	**.05446**	**2.3103**	**.10416**	**34.634**	**.09599**	**.20504**	**17.670**	**.09731**
Stddev	.597	.00024	.0027	.00022	.042	.00055	.00098	.111	.00108
%RSD	1.0282	.44349	.11582	.21147	.12257	.57677	.47968	.63040	1.1057
#1	57.678	.05428	2.3084	.10432	34.664	.09638	.20574	17.748	.09807
#2	58.523	.05463	2.3122	.10401	34.604	.09560	.20434	17.591	.09655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58140**	**.20127**	**.04838**	**.20104**	**.58812**	**.05594**	**.21310**	**.04927**
Stddev	.00132	.00001	.00073	.00057	.03584	.00003	.00038	.00268
%RSD	.22701	.00376	1.5093	.28419	6.0935	.04483	.17775	5.4421
#1	.58233	.20128	.04786	.20145	.61346	.05593	.21336	.05117
#2	.58046	.20127	.04890	.20064	.56277	.05596	.21283	.04737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4805.5**	**78919.**	**6502.1**
Stddev	11.3	497.	56.8
%RSD	.23443	.62951	.87307
#1	4797.5	78568.	6462.0
#2	4813.4	79270.	6542.2

Sample Name: 280-61929-A-3-A Acquired: 11/16/2014 17:00:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251457 6010C Q5 (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00230**	**.00404**	**.22325**	**.49183**	**-.00012**	**-.00459**	**116.30**	**.00035**
Stddev	.00051	.00035	.00097	.00013	.00027	.00004	.00247	.22	.00024
%RSD	114.12	15.049	23.954	.05952	.05447	38.624	53.846	.19332	67.984
#1	.00009	.00254	.00473	.22316	.49202	-.00008	-.00284	116.46	.00052
#2	.00081	.00205	.00336	.22335	.49164	-.00015	-.00634	116.14	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00019**	**.00247**	**.02509**	**15.799**	**.02275**	**16.048**	**.09271**	**.00265**
Stddev	.00026	.00013	.00020	.00159	.004	.00081	.034	.00020	.00014
%RSD	48.210	68.794	8.2770	6.3459	.02468	3.5561	.21281	.22083	5.3084
#1	.00072	-.00029	.00261	.02397	15.796	.02332	16.072	.09285	.00256
#2	.00035	-.00010	.00232	.02622	15.802	.02217	16.024	.09256	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.838**	**.00301**	**.17212**	**-.00145**	**35.805**	**.00099**	**.00140**	**13.247**	**-.00126**
Stddev	.110	.00008	.00124	.00039	.094	.00023	.00058	.012	.00003
%RSD	.29078	2.5744	.72316	26.644	.26182	23.381	41.660	.09083	2.7162
#1	37.916	.00307	.17300	-.00172	35.738	.00115	.00099	13.238	-.00128
#2	37.760	.00296	.17124	-.00118	35.871	.00082	.00181	13.255	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54639**	**.00060**	**.00042**	**.00230**	**.04625**	**.00345**	**.00271**	**.00025**
Stddev	.00001	.00012	.00024	.00030	.00617	.00007	.00034	.00053
%RSD	.00095	19.388	56.624	13.022	13.333	1.9156	12.583	209.90
#1	.54638	.00052	.00059	.00209	.05061	.00341	.00296	.00063
#2	.54639	.00069	.00025	.00251	.04189	.00350	.00247	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4862.5**	**79741.**	**6484.0**
Stddev	7.2	337.	72.9
%RSD	.14714	.42205	1.1244
#1	4857.5	79503.	6432.4
#2	4867.6	79979.	6535.5

Sample Name: ccvh-2982968 Acquired: 11/16/2014 17:03:29 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00716**	**53.086**	**.00276**	**.00560**	**.00037**	**-.00008**	**1.0035**	**-.08527**	**-.00037**	**.00158**	**-.00048**	**-.00181**	**53.885**
Stddev	.00000	.194	.00367	.00098	.00026	.00003	.0052	.00448	.00012	.00006	.00018	.00010	.037
%RSD	.00647	.36588	132.84	17.548	71.660	42.709	.51593	5.2584	33.604	3.6011	37.094	5.3759	.06797
#1	.00716	52.949	.00536	.00630	.00018	-.00011	.99982	-.08210	-.00046	.00162	-.00035	-.00174	53.911
#2	.00716	53.223	.00017	.00491	.00056	-.00006	1.0071	-.08844	-.00028	.00154	-.00060	-.00188	53.859
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07364**	**.00070**	**.13967**	**-.00319**	**-.00164**	**264.79**	**.00130**	**.00697**	**.00096**	**5.0592**	**.00656**	**.00322**	**-.01638**
Stddev	.02640	.00113	.00083	.00004	.00040	.21	.00025	.00262	.00060	.0081	.00022	.00075	.01307
%RSD	35.856	161.88	.59705	1.2871	24.277	.08074	18.800	37.621	62.682	.15937	3.3288	23.127	79.754
#1	.05497	.00149	.13908	-.00316	-.00192	264.63	.00148	.00512	.00054	5.0649	.00671	.00375	-.02562
#2	.09231	-.00010	.14026	-.00322	-.00136	264.94	.00113	.00883	.00139	5.0535	.00640	.00270	-.00714
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00066**	**4.9597**	**-.02491**	**.00229**	**10.001**	**.00430**	**.00024**	**-.02940**
Stddev	.00013	.00007	.0153	.00026	.00051	.021	.00049	.00029	.00268
%RSD	12.203	10.389	.30840	1.0319	22.328	.21424	11.487	118.46	9.1126
#1	.00120	.00061	4.9705	-.02510	.00265	9.9863	.00465	.00004	-.03130
#2	.00101	.00071	4.9489	-.02473	.00193	10.017	.00395	.00045	-.02751
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4851.8**	**78834.**	**6482.9**
Stddev	2.2	460.	98.2
%RSD	.04563	.58398	1.5143
#1	4850.3	78509.	6552.3
#2	4853.4	79160.	6413.4

Sample Name: ccv-2984587 Acquired: 11/16/2014 17:06:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47373**	**.50235**	**.95594**	**.47770**	**.51129**	**.48233**	**.00871**	**4.9155**	**.47503**	**.48478**	**.48584**	**.47902**	**2.4696**	**48.539**
Stddev	.00045	.00079	.00199	.00000	.00111	.00065	.00043	.0056	.00009	.00010	.00108	.00069	.0140	.017
%RSD	.09525	.15824	.20824	.00028	.21646	.13576	4.9830	.11348	.01845	.01997	.22143	.14436	.56522	.03512
#1	.47405	.50179	.95453	.47771	.51208	.48279	.00901	4.9194	.47509	.48471	.48661	.47853	2.4795	48.551
#2	.47341	.50291	.95735	.47770	.51051	.48186	.00840	4.9115	.47497	.48485	.48508	.47951	2.4597	48.527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0437**	**19.066**	**.48614**	**.48550**	**5.2399**	**.48987**	**.95668**	**.97324**	**.00097**	**.94216**	**.95317**	**4.8330**	**.96624**	**.50342**
Stddev	.0013	.027	.00044	.00107	.0032	.00081	.00283	.00357	.00225	.00075	.00180	.0335	.00027	.00125
%RSD	.11935	.14108	.08996	.21962	.06176	.16621	.29590	.36643	231.50	.07943	.18901	.69276	.02790	.24929
#1	1.0446	19.047	.48583	.48625	5.2422	.49044	.95868	.97576	-.00062	.94163	.95444	4.8567	.96643	.50430
#2	1.0428	19.085	.48645	.48475	5.2376	.48929	.95468	.97071	.00256	.94269	.95189	4.8094	.96605	.50253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.48790**	**.96840**	**.01994**	**.47620**	**.48915**	**.49114**
Stddev	.00226	.00061	.00390	.03870	.00024	.00033	.00337
%RSD	24.878	.12443	.40231	194.12	.05072	.06778	.68557
#1	.01067	.48747	.97115	-.00743	.47603	.48892	.49352
#2	.00748	.48833	.96564	.04730	.47637	.48939	.48876
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4969.1**	**80263.**	**6434.9**
Stddev	17.5	169.	6.7
%RSD	.35161	.21034	.10400
#1	4956.7	80382.	6430.1
#2	4981.4	80143.	6439.6

Sample Name: CCB Acquired: 11/16/2014 17:08:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00140**	**-.00008**	F **.00346**	**-.00045**	**.00006**	**.00091**	**.00377**	**.00014**	**.00002**	W **-.00071**
Stddev	.00013	.00028	.00136	.00007	.00006	.00009	.00119	.00048	.00012	.00001	.00010
%RSD	194.23	20.218	1673.6	2.0617	12.288	163.90	131.40	12.757	91.060	90.662	13.678
#1	-.00002	-.00160	-.00104	.00340	-.00041	-.00001	.00006	.00411	.00005	.00001	-.00078
#2	.00015	-.00120	.00088	.00351	-.00049	.00012	.00175	.00343	.00022	.00003	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00312							.00066
Low Limit				-.00312							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01140**	**-.00891**	W **-.00293**	**.00320**	**.00005**	**.00032**	**.08094**	**-.00039**	**-.00010**	**.00032**
Stddev	.00033	.00084	.01383	.00039	.00207	.00001	.00046	.00792	.00001	.00129	.00088
%RSD	174.34	7.3475	155.21	13.476	64.783	16.863	141.07	9.7808	2.5548	1293.0	277.65
#1	-.00042	.01199	.00087	-.00265	.00173	.00005	.00000	.08654	-.00040	-.00101	-.00030
#2	.00004	.01080	-.01869	-.00320	.00466	.00006	.00065	.07534	-.00039	.00081	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00009**	**-.00022**	**.00009**	**-.00070**	**.00000**	**.00114**	**-.00022**	**.00000**	**.01146**	**-.00007**
Stddev	.00059	.00173	.00475	.01613	.00022	.00016	.00051	.00014	.00138	.00891	.00002
%RSD	1092.2	2008.2	2150.8	17580.	30.882	9236.9	44.400	65.359	32500.	77.773	27.723
#1	-.00037	.00131	.00314	.01150	-.00055	.00012	.00150	-.00032	.00098	.01777	-.00005
#2	.00048	-.00114	-.00358	-.01131	-.00086	-.00011	.00078	-.00012	-.00097	.00516	-.00008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00049**	**-.00095**
Stddev	.00097	.00089
%RSD	199.01	93.900
#1	-.00117	-.00032
#2	.00020	-.00158
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4985.2**	**80908.**	**6459.8**
Stddev	6.6	610.	1.6
%RSD	.13246	.75425	.02518
#1	4989.8	80477.	6460.9
#2	4980.5	81340.	6458.6

Sample Name: CCVL2994263 Acquired: 11/16/2014 17:11:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01064**	**.11280**	W **.01883**	**.10422**	F **.01423**	**.00110**	**.11031**	**.22547**	**.00554**	**.01087**	**.01038**	**.01625**
Stddev	.00035	.00052	.00275	.00037	.00020	.00006	.00067	.00223	.00007	.00018	.00030	.00038
%RSD	3.2847	.46092	14.589	.35163	1.3831	5.3731	.60399	.98719	1.3103	1.6896	2.8840	2.3372
#1	.01088	.11317	.01689	.10396	.01409	.00106	.10984	.22389	.00549	.01074	.01017	.01598
#2	.01039	.11243	.02077	.10448	.01437	.00114	.11078	.22704	.00560	.01099	.01059	.01652
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500		.01000							
Range			20.000%		30.000%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11089**	**3.2707**	**.00893**	**.22433**	**.01092**	**.02093**	W **1.2240**	**.04410**	**3.0193**	**.00891**	**.00282**	**.01006**
Stddev	.00287	.0301	.00284	.00238	.00006	.00039	.0126	.00019	.0016	.00005	.00887	.00055
%RSD	2.5917	.91993	31.790	1.0592	.53927	1.8645	1.0315	.42840	.05371	.50889	315.13	5.4970
#1	.10886	3.2919	.01093	.22601	.01096	.02065	1.2329	.04423	3.0181	.00888	.00909	.01045
#2	.11292	3.2494	.00692	.22265	.01088	.02120	1.2151	.04396	3.0204	.00894	-.00346	.00967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01273**	**.53864**	**.10660**	**.01134**	**.01507**	**.01023**	**.01739**	**.07198**	**.01070**	**.02243**	**.01564**
Stddev	.00574	.00788	.00046	.00013	.00056	.00008	.00050	.00130	.00037	.00097	.00016
%RSD	45.133	1.4621	.43101	1.1645	3.7351	.78302	2.8611	1.8122	3.4190	4.3262	1.0273
#1	.01679	.53307	.10628	.01144	.01467	.01017	.01704	.07290	.01045	.02174	.01553
#2	.00867	.54421	.10693	.01125	.01547	.01028	.01775	.07106	.01096	.02312	.01575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5035.4**	**81409.**	**6413.4**
Stddev	19.1	289.	52.5
%RSD	.38027	.35506	.81814
#1	5048.9	81614.	6450.5
#2	5021.9	81205.	6376.3

Sample Name: MB 280-250664/1-A Acquired: 11/16/2014 17:47:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/6 Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.00042**	**.00235**	**.00098**	**-.00019**	**.00002**	**-.00115**	**.01992**	**.00028**
Stddev	.00025	.00042	.00210	.00078	.00015	.00003	.00101	.00288	.00002
%RSD	73.518	98.721	89.279	79.363	81.975	122.70	88.127	14.435	7.2412
#1	-.00016	-.00013	.00087	.00153	-.00008	.00004	-.00043	.02195	.00030
#2	-.00051	-.00072	.00383	.00043	-.00030	.00000	-.00186	.01789	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00059**	**.00060**	**-.00015**	**.01041**	**-.00221**	**.00499**	**.00004**	**.00028**
Stddev	.00028	.00001	.00013	.00054	.08099	.00130	.00128	.00007	.00038
%RSD	117.40	1.1642	22.583	352.79	778.22	58.615	25.662	157.32	134.03
#1	-.00004	-.00060	.00069	-.00054	.06767	-.00129	.00408	.00009	.00055
#2	-.00044	-.00059	.00050	.00023	-.04686	-.00313	.00589	-.00000	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03887**	**-.00002**	**-.00040**	**-.00176**	**.00429**	**.00063**	**-.00138**	**-.00507**	**.00049**
Stddev	.00099	.00003	.00170	.00006	.00045	.00178	.00204	.02176	.00037
%RSD	2.5375	125.03	425.25	3.1803	10.575	281.73	147.27	429.36	75.079
#1	.03956	-.00004	.00080	-.00180	.00397	-.00063	-.00282	.01032	.00023
#2	.03817	-.00000	-.00161	-.00172	.00461	.00189	.00006	-.02045	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00144**	**-.00018**	**-.00078**	**.02505**	**.00016**	**.00056**	**.00031**
Stddev	.00003	.00056	.00022	.00067	.00528	.00040	.00003	.00135
%RSD	86.816	38.786	120.19	85.765	21.085	251.14	6.0144	431.82
#1	.00006	-.00105	-.00034	-.00126	.02878	.00044	.00053	.00127
#2	.00002	-.00184	-.00003	-.00031	.02131	-.00012	.00058	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5145.0**	**83610.**	**6609.0**
Stddev	2.1	530.	6.5
%RSD	.04034	.63397	.09769
#1	5143.5	83985.	6604.4
#2	5146.4	83235.	6613.5

Sample Name: LCS 280-250664/2-A Acquired: 11/16/2014 17:50:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05289**	**1.9941**	**1.0126**	**.91321**	**2.1742**	**.05081**	**2.0378**	**51.222**	**.09911**
Stddev	.00041	.0021	.0032	.00488	.0047	.00012	.0127	.097	.00019
%RSD	.77486	.10664	.31489	.53401	.21661	.23243	.62278	.18943	.18802
#1	.05260	1.9926	1.0104	.90976	2.1775	.05089	2.0288	51.291	.09898
#2	.05318	1.9956	1.0149	.91666	2.1709	.05072	2.0468	51.154	.09924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50737**	**.20247**	**.26292**	**1.0108**	**51.994**	**1.0715**	**50.441**	**.50697**	**.91958**
Stddev	.00116	.00015	.00116	.0062	.177	.0081	.054	.00072	.00200
%RSD	.22953	.07298	.44254	.61436	.34104	.76043	.10691	.14265	.21769
#1	.50820	.20257	.26210	1.0064	52.119	1.0773	50.479	.50748	.91816
#2	.50655	.20236	.26374	1.0152	51.869	1.0658	50.403	.50646	.92099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.454**	**.51061**	**10.252**	**.51166**	**1.7995**	**.44997**	**1.9788**	F **9.2287**	**1.8080**
Stddev	.070	.00091	.017	.00294	.0006	.00168	.0008	.0141	.0006
%RSD	.13061	.17740	.16656	.57385	.03310	.37239	.04097	.15265	.03164
#1	53.405	.50997	10.240	.51374	1.7999	.45116	1.9782	9.2386	1.8076
#2	53.504	.51125	10.264	.50959	1.7991	.44879	1.9794	9.2187	1.8084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								11.500	
Low Limit								9.4000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0386**	**.97178**	**.92365**	**1.9777**	**2.0567**	**.50501**	**.50023**	**.46431**
Stddev	.0028	.00476	.00004	.0094	.0223	.00121	.00137	.00017
%RSD	.26845	.48987	.00412	.47758	1.0831	.23931	.27323	.03707
#1	1.0406	.97515	.92367	1.9710	2.0724	.50415	.50120	.46419
#2	1.0366	.96842	.92362	1.9843	2.0409	.50586	.49926	.46443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4924.7**	**80289.**	**6591.7**
Stddev	12.4	322.	9.6
%RSD	.25156	.40051	.14534
#1	4915.9	80062.	6585.0
#2	4933.5	80516.	6598.5

Sample Name: 280-61905-H-1-B @10 Acquired: 11/16/2014 17:52:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.04607**	**.00344**	**.15187**	**.00794**	**-.00000**	**.00053**	**3.2048**	**.00006**
Stddev	.00078	.00038	.00397	.00065	.00017	.00003	.00045	.0206	.00007
%RSD	238.38	.81536	115.31	.42870	2.1004	722.46	84.072	.64348	119.73
#1	-.00088	.04634	.00625	.15141	.00806	.00002	.00022	3.1902	.00011
#2	.00022	.04581	.00064	.15233	.00783	-.00003	.00085	3.2194	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00046**	**.00106**	**.02861**	**.08865**	**.00665**	**.83700**	**.01932**	**.00172**
Stddev	.00026	.00019	.00021	.00305	.01349	.00045	.00699	.00008	.00010
%RSD	1769.2	42.529	19.534	10.664	15.214	6.6920	.83541	.39765	5.5818
#1	.00020	-.00060	.00120	.03076	.09818	.00697	.84194	.01938	.00165
#2	-.00017	-.00032	.00091	.02645	.07911	.00634	.83205	.01927	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.051**	**.00008**	**.00403**	**-.00081**	**17.423**	**.00149**	**-.00174**	**.59959**	**.00045**
Stddev	.309	.00004	.00143	.00086	.079	.00314	.00257	.02473	.00097
%RSD	.31152	47.264	35.478	105.72	.45616	210.53	147.88	4.1247	213.45
#1	98.833	.00010	.00302	-.00021	17.367	-.00073	-.00355	.58210	.00114
#2	99.269	.00005	.00504	-.00142	17.480	.00372	.00008	.61708	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09775**	**.00053**	**.00166**	**.00174**	**.02789**	**.00030**	**.00107**	**-.00138**
Stddev	.00048	.00027	.00008	.00008	.00169	.00029	.00029	.00071
%RSD	.49129	50.347	4.7306	4.3278	6.0418	98.626	27.098	51.462
#1	.09741	.00072	.00160	.00169	.02909	.00009	.00127	-.00188
#2	.09809	.00034	.00171	.00179	.02670	.00051	.00086	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5025.7**	**81325.**	**6604.1**
Stddev	5.7	71.	38.9
%RSD	.11316	.08758	.58970
#1	5029.7	81375.	6631.6
#2	5021.6	81275.	6576.5

Sample Name: 280-61905-B-2-B @5 Acquired: 11/16/2014 17:55:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.05507**	**.00255**	**.28056**	**.00335**	**.00000**	**.00009**	**.72709**	**.00005**
Stddev	.00036	.00028	.00130	.00145	.00005	.00009	.00174	.00440	.00001
%RSD	182.50	.50164	50.860	.51541	1.4093	3696.8	1843.1	.60474	18.943
#1	-.00045	.05487	.00347	.27953	.00332	.00007	.00133	.72398	.00004
#2	.00006	.05527	.00163	.28158	.00339	-.00006	-.00114	.73020	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00024**	**.00095**	**.03202**	**.14985**	**.04108**	**.10616**	**.00287**	**.00255**
Stddev	.00023	.00011	.00022	.00107	.03338	.00050	.00193	.00004	.00002
%RSD	166.96	46.665	22.829	3.3271	22.273	1.2251	1.8156	1.4074	.74248
#1	.00003	-.00016	.00110	.03278	.17346	.04143	.10752	.00290	.00253
#2	-.00030	-.00033	.00079	.03127	.12625	.04072	.10480	.00284	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**87.316**	**.00031**	**.00768**	**-.00039**	**30.314**	**.00143**	**-.00340**	**2.1468**	**-.00051**
Stddev	.608	.00015	.00292	.00028	.086	.00130	.00444	.0122	.00011
%RSD	.69619	49.326	37.980	72.817	.28372	90.449	130.61	.56965	21.872
#1	87.746	.00020	.00562	-.00019	30.253	.00235	-.00654	2.1555	-.00059
#2	86.886	.00042	.00975	-.00059	30.375	.00052	-.00026	2.1382	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20004**	**-.00092**	**.00112**	**.00217**	**.02575**	**-.00023**	**.02088**	**-.00132**
Stddev	.00016	.00022	.00002	.00055	.01786	.00013	.00082	.00191
%RSD	.07999	24.053	1.3397	25.312	69.378	53.772	3.9064	144.25
#1	.20015	-.00077	.00113	.00178	.01312	-.00015	.02030	-.00268
#2	.19993	-.00108	.00111	.00256	.03838	-.00032	.02146	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5041.0**	**81896.**	**6593.3**
Stddev	4.2	221.	43.2
%RSD	.08281	.27038	.65483
#1	5038.0	81739.	6623.8
#2	5043.9	82052.	6562.8

Sample Name: 280-61905-F-5-B @5 Acquired: 11/16/2014 17:58:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00466**	**.00262**	**.17958**	**.00378**	**-.00000**	**.00191**	**.67405**	**.00008**
Stddev	.00091	.00039	.00262	.00063	.00014	.00001	.00263	.00613	.00008
%RSD	677.36	8.4132	99.695	.34816	3.5923	340.77	137.81	.90902	92.238
#1	-.00078	.00438	.00077	.17914	.00369	.00000	.00377	.67839	.00003
#2	.00051	.00494	.00447	.18002	.00388	-.00001	.00005	.66972	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00028**	**.00176**	**.02014**	**.12785**	**.04504**	**.08428**	**.00272**	**.01111**
Stddev	.00024	.00028	.00046	.00226	.01424	.00241	.00124	.00002	.00001
%RSD	591.82	98.511	26.278	11.237	11.140	5.3577	1.4719	.88485	.11598
#1	-.00021	-.00048	.00143	.02174	.13792	.04675	.08516	.00273	.01112
#2	.00013	-.00009	.00209	.01854	.11778	.04333	.08340	.00270	.01110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.322**	**-.00002**	**.00364**	**-.00085**	**22.557**	**.00150**	**.00082**	**.82248**	**-.00027**
Stddev	.564	.00027	.00035	.00105	.049	.00039	.00133	.00590	.00116
%RSD	.61040	1562.6	9.5051	124.65	.21526	25.915	162.08	.71680	433.58
#1	92.720	.00018	.00388	-.00159	22.522	.00177	.00176	.82664	-.00109
#2	91.923	-.00021	.00339	-.00010	22.591	.00122	-.00012	.81831	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10717**	**-.00291**	**-.00000**	**.00219**	**.03775**	**-.00001**	**.00100**	**-.00054**
Stddev	.00044	.00164	.00006	.00036	.02529	.00039	.00003	.00075
%RSD	.41250	56.380	1323.7	16.664	66.994	4105.8	2.6808	138.97
#1	.10749	-.00407	-.00005	.00245	.05563	-.00029	.00102	-.00001
#2	.10686	-.00175	.00004	.00193	.01987	.00027	.00098	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5075.7**	**82451.**	**6747.1**
Stddev	13.9	180.	40.7
%RSD	.27370	.21854	.60251
#1	5065.9	82323.	6718.4
#2	5085.5	82578.	6775.8

Sample Name: 280-61905-F-6-B @10 Acquired: 11/16/2014 18:00:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.00031**	**.00038**	**.12596**	**.00232**	**.00002**	**-.00086**	**2.0625**	**.00004**
Stddev	.00027	.00090	.00332	.00102	.00000	.00002	.00048	.0112	.00002
%RSD	73.970	292.35	882.77	.81257	.10804	143.90	56.037	.54328	53.748
#1	-.00055	-.00094	.00272	.12524	.00232	.00003	-.00121	2.0546	.00006
#2	-.00017	.00033	-.00197	.12668	.00232	-.00000	-.00052	2.0704	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00038**	**.00115**	**.00970**	**.07820**	**.00902**	**.39904**	**.00009**	**.00078**
Stddev	.00005	.00015	.00001	.00119	.04019	.00026	.00143	.00004	.00001
%RSD	31.042	40.210	.86892	12.219	51.395	2.8364	.35917	45.609	.74262
#1	-.00018	-.00048	.00115	.00886	.04978	.00884	.39803	.00006	.00078
#2	-.00012	-.00027	.00116	.01054	.10662	.00921	.40005	.00012	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.908**	**.00030**	**.00317**	**-.00121**	**11.389**	**.00063**	**-.00166**	**.49171**	**-.00017**
Stddev	.175	.00019	.00189	.00118	.091	.00031	.00238	.01229	.00083
%RSD	.27791	64.060	59.596	97.739	.80026	48.948	143.38	2.4996	499.69
#1	62.785	.00043	.00183	-.00205	11.324	.00041	-.00334	.50040	.00042
#2	63.032	.00016	.00451	-.00037	11.453	.00085	.00002	.48302	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06428**	**-.00092**	**-.00023**	**.00035**	**.03558**	**.00008**	**.00094**	**.00144**
Stddev	.00005	.00053	.00000	.00085	.00449	.00001	.00015	.00026
%RSD	.07322	57.466	.01279	243.54	12.618	13.648	16.084	18.221
#1	.06425	-.00129	-.00023	-.00025	.03875	.00007	.00105	.00163
#2	.06431	-.00055	-.00023	.00095	.03240	.00009	.00084	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5107.5**	**83138.**	**6757.6**
Stddev	11.8	129.	25.0
%RSD	.23025	.15572	.37062
#1	5099.1	83229.	6739.9
#2	5115.8	83046.	6775.3

Sample Name: 280-61905-D-7-B @10 Acquired: 11/16/2014 18:03:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00021**	**.00347**	**.12872**	**.00238**	**.00001**	**.00089**	**2.0624**	**.00008**
Stddev	.00076	.00031	.00151	.00124	.00005	.00007	.00100	.0052	.00007
%RSD	1005.9	143.28	43.401	.95974	2.2808	1390.5	112.67	.25300	88.094
#1	.00046	.00043	.00454	.12785	.00234	.00005	.00018	2.0587	.00013
#2	-.00061	-.00000	.00241	.12959	.00242	-.00004	.00160	2.0661	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00036**	**.00079**	**.01037**	**.07888**	**.00997**	**.40273**	**.00005**	**.00069**
Stddev	.00001	.00006	.00017	.00292	.00047	.00001	.00394	.00003	.00016
%RSD	16.296	16.460	21.805	28.118	.59628	.10532	.97812	61.937	23.445
#1	-.00007	-.00032	.00067	.01243	.07922	.00997	.40552	.00003	.00080
#2	-.00009	-.00041	.00091	.00831	.07855	.00996	.39995	.00007	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**63.231**	**.00004**	**.00192**	**-.00041**	**11.630**	**-.00028**	**-.00128**	**.48380**	**.00024**
Stddev	.347	.00006	.00100	.00084	.104	.00250	.00009	.00276	.00060
%RSD	.54862	144.40	52.385	202.79	.89117	883.32	6.6857	.57085	247.26
#1	62.986	-.00000	.00121	-.00100	11.557	-.00205	-.00122	.48575	.00066
#2	63.476	.00008	.00263	.00018	11.703	.00148	-.00135	.48185	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06465**	**-.00153**	**-.00010**	**.00125**	**.01984**	**-.00041**	**.00084**	**-.00024**
Stddev	.00039	.00023	.00021	.00014	.01145	.00009	.00050	.00127
%RSD	.60661	15.280	217.00	11.341	57.718	21.717	59.622	527.42
#1	.06437	-.00169	.00005	.00115	.02794	-.00047	.00119	.00065
#2	.06493	-.00136	-.00025	.00135	.01174	-.00034	.00048	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5089.4**	**83441.**	**6873.7**
Stddev	9.3	113.	30.9
%RSD	.18308	.13507	.44976
#1	5096.0	83361.	6851.9
#2	5082.8	83520.	6895.6

Sample Name: 280-61905-F-8-B @50 Acquired: 11/16/2014 18:06:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00100**	**.00116**	**.07166**	**-.00013**	**.00007**	**.00060**	**6.7339**	**.00005**
Stddev	.00003	.00028	.00022	.00038	.00017	.00001	.00127	.0351	.00018
%RSD	81.001	27.554	19.025	.53246	132.71	8.4635	210.81	.52076	344.23
#1	.00002	-.00120	.00132	.07139	-.00001	.00006	-.00030	6.7587	-.00008
#2	.00006	-.00081	.00101	.07193	-.00024	.00007	.00150	6.7091	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00037**	**.00048**	**.04598**	**.03848**	**.00604**	**1.7299**	**.00577**	**.00002**
Stddev	.00026	.00008	.00041	.00002	.02116	.00049	.0098	.00005	.00027
%RSD	162.18	21.205	86.417	.05249	54.999	8.0631	.56689	.88683	1147.5
#1	.00002	-.00032	.00019	.04597	.02351	.00570	1.7368	.00573	-.00016
#2	-.00035	-.00043	.00077	.04600	.05344	.00639	1.7230	.00581	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**85.567**	**.00034**	**.00192**	**-.00032**	**43.171**	**.00007**	**.00153**	**.08653**	**.00046**
Stddev	.345	.00005	.00076	.00100	.084	.00026	.00465	.00901	.00027
%RSD	.40373	15.523	39.636	310.16	.19379	373.82	303.62	10.409	59.187
#1	85.811	.00038	.00138	-.00102	43.112	.00025	.00482	.08016	.00027
#2	85.323	.00031	.00245	.00038	43.231	-.00011	-.00176	.09290	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32152**	**-.00164**	**.00007**	**.00266**	**-.02510**	**.00004**	**.00017**	**-.00060**
Stddev	.00119	.00019	.00004	.00283	.00618	.00019	.00024	.00061
%RSD	.36863	11.610	50.548	106.45	24.628	469.78	142.35	102.89
#1	.32236	-.00150	.00004	.00466	-.02073	-.00009	.00034	-.00016
#2	.32068	-.00177	.00009	.00066	-.02947	.00017	-.00000	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5078.8**	**82999.**	**6791.4**
Stddev	1.3	511.	8.7
%RSD	.02515	.61566	.12753
#1	5079.8	82638.	6797.5
#2	5077.9	83360.	6785.3

Sample Name: 280-61905-A-9-B @5 Acquired: 11/16/2014 18:08:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00506**	**.00147**	**.13719**	**.01151**	**-.00002**	**.00179**	**17.689**	**.00020**
Stddev	.00006	.00023	.00174	.00199	.00003	.00001	.00221	.069	.00005
%RSD	12.821	4.4599	118.63	1.4511	.27165	48.547	123.78	.38741	26.210
#1	-.00039	.00521	.00024	.13578	.01149	-.00001	.00335	17.737	.00024
#2	-.00047	.00490	.00270	.13859	.01153	-.00003	.00022	17.640	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00018**	**.00055**	**.09683**	**.23489**	**.00844**	**5.5218**	**.07399**	**.00068**
Stddev	.00018	.00006	.00019	.00081	.01018	.00177	.0001	.00015	.00002
%RSD	304.76	35.054	35.342	.83341	4.3359	20.956	.00095	.20786	2.2433
#1	-.00007	-.00014	.00041	.09740	.24209	.00969	5.5218	.07410	.00067
#2	.00019	-.00023	.00069	.09626	.22769	.00719	5.5218	.07389	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.302**	**.00063**	**.08947**	**-.00064**	**30.103**	**.00058**	**-.00149**	**1.1005**	**.00026**
Stddev	.169	.00010	.00014	.00171	.134	.00068	.00088	.0059	.00133
%RSD	.25112	15.441	.15260	268.93	.44433	116.23	59.305	.53563	514.65
#1	67.422	.00070	.08937	.00057	30.008	.00106	-.00086	1.1047	-.00068
#2	67.183	.00056	.08957	-.00185	30.197	.00010	-.00211	1.0963	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49302**	**-.00134**	**-.00012**	**.00150**	**-.01106**	**.00062**	**.00797**	**.00002**
Stddev	.00105	.00094	.00045	.00042	.02133	.00023	.00036	.00028
%RSD	.21221	69.633	380.11	28.136	192.79	37.377	4.5147	1769.0
#1	.49376	-.00201	.00020	.00120	.00402	.00046	.00822	-.00018
#2	.49228	-.00068	-.00043	.00179	-.02615	.00079	.00771	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5067.9**	**82302.**	**6820.0**
Stddev	20.1	175.	53.3
%RSD	.39594	.21244	.78194
#1	5053.8	82178.	6782.3
#2	5082.1	82425.	6857.7

Sample Name: 280-61905-F-10-B @10 Acquired: 11/16/2014 18:11:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00011**	**.00217**	**.16834**	**.00086**	**-.00004**	**.00009**	**3.5641**	**.00013**
Stddev	.00008	.00061	.00106	.00246	.00007	.00002	.00061	.0013	.00009
%RSD	23.414	545.88	48.843	1.4619	8.6924	52.753	647.37	.03638	66.154
#1	.00027	-.00054	.00142	.16660	.00081	-.00003	.00052	3.5632	.00019
#2	.00038	.00032	.00292	.17008	.00091	-.00006	-.00034	3.5650	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00046**	**.00135**	**.01092**	**.04001**	**.00823**	**.81764**	**.00285**	**.00059**
Stddev	.00024	.00006	.00001	.00123	.00950	.00118	.00361	.00002	.00003
%RSD	597.41	12.393	.46608	11.225	23.743	14.327	.44191	.75426	5.5414
#1	.00021	-.00050	.00135	.01005	.04673	.00906	.81509	.00284	.00061
#2	-.00013	-.00042	.00136	.01178	.03329	.00739	.82020	.00287	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.793**	**.00040**	**.00654**	**-.00127**	**29.401**	**-.00008**	**-.00219**	**.50665**	**-.00024**
Stddev	.125	.00003	.00133	.00068	.312	.00098	.00232	.00930	.00016
%RSD	.12917	8.7182	20.295	53.715	1.0613	1263.7	105.75	1.8347	67.323
#1	96.704	.00038	.00560	-.00175	29.180	-.00077	-.00383	.50007	-.00035
#2	96.881	.00042	.00748	-.00079	29.622	.00062	-.00055	.51322	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10313**	**-.00061**	**-.00046**	**.00259**	**-.00176**	**.00021**	**.00009**	**-.00054**
Stddev	.00007	.00149	.00003	.00183	.01167	.00004	.00005	.00093
%RSD	.07066	244.51	7.1607	70.471	663.90	19.423	54.777	171.60
#1	.10308	.00044	-.00044	.00389	-.01001	.00024	.00006	.00012
#2	.10319	-.00166	-.00049	.00130	.00650	.00018	.00013	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5077.4**	**82255.**	**6770.0**
Stddev	18.9	83.	43.5
%RSD	.37221	.10032	.64180
#1	5064.0	82197.	6739.3
#2	5090.7	82314.	6800.7

Sample Name: ccvh-2982968 Acquired: 11/16/2014 18:14:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00694**	**49.902**	**.00000**	**.00232**	**-.00013**	**-.00012**	**.95862**	**-.09766**	**-.00061**	**.00152**	**-.00023**	**-.00043**	**50.481**
Stddev	.00091	.006	.00054	.00066	.00006	.00005	.00106	.00267	.00000	.00014	.00005	.00070	.060
%RSD	13.101	.01278	12502.	28.588	43.115	44.854	.11094	2.7300	.18733	9.4789	23.115	161.09	.11951
#1	.00630	49.897	-.00038	.00279	-.00017	-.00015	.95787	-.09578	-.00061	.00142	-.00019	.00006	50.439
#2	.00759	49.906	.00038	.00185	-.00009	-.00008	.95937	-.09955	-.00062	.00162	-.00026	-.00092	50.524
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00919**	**-.00211**	**.12877**	**.00114**	**-.00163**	**250.14**	**.00106**	**.00536**	**.00109**	**4.8887**	**.00653**	**.00382**	**-.03120**
Stddev	.04603	.00097	.00048	.00003	.00040	.13	.00002	.00076	.00186	.0017	.00139	.00162	.01188
%RSD	501.08	46.016	.37463	2.2766	24.531	.05343	2.3488	14.207	170.36	.03549	21.282	42.468	38.088
#1	-.04173	-.00280	.12911	.00112	-.00135	250.04	.00108	.00590	.00241	4.8874	.00554	.00267	-.03960
#2	.02336	-.00143	.12843	.00116	-.00191	250.23	.00104	.00482	-.00022	4.8899	.00751	.00496	-.02279
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00051**	**4.6934**	**-.02430**	**.00097**	**9.5277**	**.00471**	**-.00017**	**-.02519**
Stddev	.00053	.00003	.0056	.00034	.00030	.0531	.00041	.00008	.00242
%RSD	28.391	6.6244	.11866	1.4044	31.058	.55732	8.6835	46.485	9.5956
#1	.00149	.00054	4.6895	-.02406	.00076	9.5652	.00500	-.00011	-.02348
#2	.00224	.00049	4.6973	-.02454	.00119	9.4901	.00442	-.00022	-.02690
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4980.9**	**81262.**	**6760.1**
Stddev	5.2	353.	39.9
%RSD	.10410	.43398	.58958
#1	4977.2	81012.	6731.9
#2	4984.5	81511.	6788.3

Sample Name: ccv-2984587 Acquired: 11/16/2014 18:16:49 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46865**	**.49112**	**.95908**	**.47681**	**.50494**	**.47748**	**.01011**	**4.8131**	**.48037**	**.48461**	**.47647**	**.48642**	**2.4147**
Stddev	.00026	.00207	.00016	.00245	.00128	.00039	.00135	.0171	.00064	.00067	.00117	.00034	.0064
%RSD	.05632	.42181	.01720	.51441	.25251	.08178	13.316	.35476	.13393	.13917	.24555	.07066	.26359
#1	.46884	.49259	.95920	.47508	.50404	.47720	.01106	4.8010	.48082	.48413	.47565	.48618	2.4102
#2	.46847	.48966	.95897	.47855	.50584	.47775	.00916	4.8251	.47991	.48508	.47730	.48667	2.4192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.214**	**1.0108**	**18.980**	**.47972**	**.47580**	**5.1110**	**.48998**	**.94226**	**.96816**	**-.00205**	**.94714**	**.94073**	**4.7549**
Stddev	.124	.0015	.014	.00003	.00065	.0031	.00089	.00401	.00352	.00395	.00081	.00287	.0473
%RSD	.25720	.15236	.07412	.00694	.13674	.05980	.18134	.42562	.36403	192.67	.08552	.30543	.99400
#1	48.126	1.0097	18.990	.47974	.47534	5.1132	.48935	.94510	.96567	.00074	.94656	.94276	4.7215
#2	48.302	1.0119	18.970	.47969	.47626	5.1089	.49060	.93942	.97065	-.00485	.94771	.93870	4.7884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95296**	**.48987**	**.01102**	**.48220**	**.96676**	**-.00050**	**.47052**	**.47797**	**.48628**
Stddev	.00243	.00148	.00094	.00027	.00105	.02350	.00073	.00338	.00179
%RSD	.25486	.30167	8.4897	.05641	.10858	4694.0	.15487	.70716	.36721
#1	.95124	.48883	.01168	.48201	.96602	.01612	.47001	.48036	.48755
#2	.95468	.49092	.01036	.48239	.96750	-.01712	.47104	.47558	.48502
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5119.0**	**82183.**	**6826.5**
Stddev	14.4	93.	57.2
%RSD	.28069	.11314	.83827
#1	5129.2	82249.	6867.0
#2	5108.9	82117.	6786.0

Sample Name: CCB Acquired: 11/16/2014 18:19:19 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**-.00197**	**-.00258**	W **.00208**	**-.00048**	**-.00005**	**.00231**	**.00338**	**.00017**	**-.00026**	**-.00056**
Stddev	.00076	.00070	.00530	.00045	.00005	.00002	.00225	.00038	.00006	.00030	.00008
%RSD	148.20	35.859	205.53	21.691	9.5199	33.412	97.473	11.198	34.748	111.99	14.137
#1	.00002	-.00147	-.00632	.00240	-.00045	-.00006	.00390	.00364	.00013	-.00005	-.00062
#2	-.00105	-.00246	.00117	.00176	-.00051	-.00004	.00072	.00311	.00021	-.00047	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00060**	**-.01043**	W **-.00302**	**.00257**	**.00004**	**.00025**	**.06677**	**.00012**	**-.00004**	**-.00023**
Stddev	.00050	.00362	.03959	.00143	.00234	.00005	.00024	.00439	.00005	.00101	.00111
%RSD	177.17	599.99	379.69	47.465	90.808	122.79	96.318	6.5801	41.319	2680.8	488.60
#1	-.00007	-.00317	.01757	-.00201	.00422	.00007	.00041	.06366	.00015	.00067	-.00101
#2	.00063	.00196	-.03842	-.00404	.00092	.00000	.00008	.06987	.00008	-.00075	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**-.00042**	**-.00050**	**-.00545**	**-.00013**	**.00012**	**-.00073**	**.00004**	**.00058**	**-.00374**	**-.00001**
Stddev	.00387	.00083	.00487	.00893	.00022	.00009	.00064	.00000	.00054	.02621	.00035
%RSD	87.031	198.33	967.98	163.77	175.20	72.029	87.415	10.120	93.481	701.07	4176.0
#1	.00719	-.00101	-.00395	.00086	.00003	.00019	-.00119	.00004	.00020	.01479	.00024
#2	.00171	.00017	.00294	-.01177	-.00029	.00006	-.00028	.00004	.00096	-.02227	-.00025
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00029**	**-.00065**
Stddev	.00083	.00124
%RSD	292.44	189.58
#1	.00030	-.00153
#2	-.00087	.00022
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5128.2**	**84628.**	**6773.4**
Stddev	2.7	126.	1.0
%RSD	.05305	.14832	.01482
#1	5126.3	84717.	6774.1
#2	5130.1	84540.	6772.6

Sample Name: CCVL2994263 Acquired: 11/16/2014 18:22:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.10459**	**.01616**	**.09832**	**.01027**	**.00097**	**.10641**	**.20711**	**.00512**	**.01021**	**.00942**	**.01595**
Stddev	.00063	.00010	.00219	.00044	.00023	.00003	.00136	.00038	.00011	.00020	.00009	.00041
%RSD	6.5137	.09845	13.549	.44300	2.2290	3.1141	1.2822	.18186	2.0593	1.9580	.99597	2.5947
#1	.00927	.10452	.01461	.09802	.01043	.00095	.10737	.20738	.00504	.01035	.00949	.01566
#2	.01017	.10466	.01770	.09863	.01011	.00099	.10544	.20684	.00519	.01007	.00936	.01625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09923**	**3.0973**	**.00999**	**.20853**	**.01022**	**.01939**	**1.1340**	**.04172**	**2.8415**	W **.00707**	**.00036**	**.00950**
Stddev	.00323	.0381	.00060	.00135	.00006	.00033	.0170	.00012	.0068	.00106	.00379	.00054
%RSD	3.2597	1.2291	6.0224	.64964	.62966	1.6835	1.4992	.29262	.23927	15.017	1051.6	5.7358
#1	.10151	3.0704	.00956	.20757	.01017	.01962	1.1220	.04163	2.8463	.00632	-.00232	.00988
#2	.09694	3.1243	.01041	.20949	.01026	.01915	1.1460	.04181	2.8367	.00782	.00304	.00911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value										.00900		
Range										-20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01216**	**.48007**	**.09997**	**.01032**	**.01406**	**.01003**	**.01412**	W **.07516**	**.00964**	**.01997**	**.01438**
Stddev	.00198	.02002	.00016	.00011	.00029	.00006	.00011	.00291	.00029	.00017	.00029
%RSD	16.319	4.1707	.16337	1.0703	2.0722	.60507	.80083	3.8668	2.9906	.83550	1.9886
#1	.01076	.49423	.10008	.01024	.01426	.00999	.01404	.07722	.00985	.01985	.01458
#2	.01356	.46591	.09985	.01040	.01385	.01008	.01420	.07311	.00944	.02009	.01417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5137.9**	**84160.**	**6741.8**
Stddev	23.9	754.	75.7
%RSD	.46615	.89565	1.1232
#1	5154.8	83627.	6795.4
#2	5121.0	84693.	6688.3

Sample Name: 280-61905-J-11-B @10 Acquired: 11/16/2014 18:24:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00546**	**-.00151**	**.15831**	**.00099**	**-.00011**	**-.00129**	**8.7599**	**.00009**
Stddev	.00014	.00067	.00288	.00096	.00001	.00011	.00135	.0218	.00001
%RSD	50.462	12.224	190.87	.60338	.68429	101.21	104.01	.24865	15.949
#1	-.00038	.00593	.00053	.15764	.00099	-.00018	-.00034	8.7445	.00008
#2	-.00018	.00499	-.00354	.15899	.00100	-.00003	-.00225	8.7753	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00020**	**.00064**	**.02069**	**.06626**	**.00953**	**1.7434**	**.01318**	**.00039**
Stddev	.00003	.00002	.00030	.00207	.00891	.00052	.0036	.00010	.00013
%RSD	25.624	10.594	47.272	10.001	13.449	5.4765	.20679	.72524	32.510
#1	-.00009	-.00019	.00043	.02215	.05996	.00990	1.7459	.01325	.00048
#2	-.00013	-.00022	.00086	.01922	.07256	.00916	1.7408	.01311	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**121.18**	**.00031**	**.00080**	**-.00171**	**43.408**	**.00120**	**.00494**	**.64309**	**.00025**
Stddev	.39	.00015	.00241	.00115	.002	.00043	.00085	.00005	.00009
%RSD	.32020	48.643	301.64	67.220	.00465	35.846	17.225	.00702	36.381
#1	121.45	.00021	-.00090	-.00090	43.407	.00090	.00554	.64312	.00031
#2	120.91	.00042	.00250	-.00253	43.410	.00151	.00433	.64306	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27773**	**-.00011**	**.00002**	**.00181**	**-.00662**	**.00031**	**.00330**	**-.00085**
Stddev	.00079	.00101	.00016	.00058	.00541	.00018	.00062	.00061
%RSD	.28466	947.62	768.67	32.213	81.701	59.703	18.683	70.990
#1	.27717	-.00082	.00013	.00140	-.01045	.00018	.00286	-.00042
#2	.27829	.00061	-.00009	.00222	-.00280	.00044	.00373	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5033.6**	**81001.**	**6700.8**
Stddev	11.6	375.	4.8
%RSD	.22987	.46274	.07177
#1	5025.4	80736.	6704.2
#2	5041.7	81266.	6697.4

Sample Name: 61905-J-11-B SD@50 Acquired: 11/16/2014 18:27:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00218**	**.00215**	**.03343**	**-.00005**	**-.00003**	**.00073**	**1.7836**	**.00025**
Stddev	.00036	.00016	.00260	.00029	.00006	.00012	.00090	.0050	.00005
%RSD	211.97	7.4793	120.97	.85656	122.90	448.01	122.78	.28230	21.908
#1	-.00009	.00229	.00398	.03363	-.00009	.00006	.00010	1.7800	.00029
#2	.00043	.00206	.00031	.03322	-.00001	-.00012	.00136	1.7871	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00056**	**.00007**	**.01326**	**.05614**	**.00356**	**.35834**	**.00266**	**.00034**
Stddev	.00005	.00023	.00010	.00152	.04161	.00070	.00256	.00001	.00044
%RSD	25.491	40.742	152.47	11.495	74.116	19.632	.71564	.35005	127.94
#1	-.00016	-.00072	-.00001	.01433	.02672	.00307	.36015	.00267	.00003
#2	-.00023	-.00040	.00014	.01218	.08557	.00406	.35653	.00266	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.071**	**.00018**	**.00370**	**-.00141**	**8.5513**	**.00125**	**-.00097**	**.11120**	**.00024**
Stddev	.325	.00008	.00022	.00024	.0156	.00231	.00108	.00670	.00060
%RSD	1.2955	43.283	5.8560	17.078	.18208	183.81	111.86	6.0214	254.27
#1	25.300	.00013	.00355	-.00158	8.5623	.00289	-.00020	.11594	.00066
#2	24.841	.00024	.00385	-.00124	8.5403	-.00038	-.00173	.10647	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05684**	**-.00183**	**.00046**	**.00117**	**-.01047**	**-.00004**	**.00057**	**.00015**
Stddev	.00002	.00134	.00004	.00016	.04542	.00019	.00006	.00065
%RSD	.03493	73.003	7.7457	14.109	433.99	499.12	10.193	440.11
#1	.05685	-.00277	.00049	.00129	.02165	-.00017	.00053	-.00031
#2	.05682	-.00089	.00044	.00105	-.04258	.00009	.00061	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5126.7**	**83560.**	**6795.0**
Stddev	3.4	204.	20.5
%RSD	.06714	.24389	.30239
#1	5124.2	83416.	6809.6
#2	5129.1	83704.	6780.5

Sample Name: 61905-J-11-C MS @10 Acquired: 11/16/2014 18:29:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.21207**	**.10361**	**.25202**	**.21420**	**.00502**	**.21316**	**13.504**	**.01030**
Stddev	.00005	.00251	.00224	.00295	.00111	.00013	.00438	.079	.00023
%RSD	1.0157	1.1841	2.1637	1.1708	.51739	2.5395	2.0527	.58536	2.2016
#1	.00453	.21029	.10202	.24994	.21341	.00493	.21006	13.448	.01014
#2	.00459	.21384	.10519	.25411	.21498	.00511	.21625	13.560	.01046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05252**	**.02023**	**.02730**	**.11400**	**5.2421**	**.11861**	**6.6987**	**.06428**	**.09449**
Stddev	.00072	.00034	.00029	.00057	.0221	.00022	.0442	.00044	.00032
%RSD	1.3748	1.6765	1.0481	.50389	.42194	.18402	.65909	.68744	.33892
#1	.05201	.01999	.02750	.11359	5.2264	.11846	6.6675	.06396	.09426
#2	.05303	.02047	.02709	.11440	5.2577	.11877	6.7299	.06459	.09471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**122.46**	**.05331**	**1.0809**	**.05161**	**43.725**	**.04633**	**.20952**	**1.5110**	**.18823**
Stddev	.71	.00075	.0192	.00103	.524	.00163	.00605	.0027	.00177
%RSD	.58260	1.4083	1.7782	1.9886	1.1990	3.5262	2.8875	.17758	.93796
#1	121.96	.05278	1.0673	.05233	43.354	.04517	.20524	1.5129	.18698
#2	122.97	.05384	1.0945	.05088	44.096	.04748	.21380	1.5091	.18948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37300**	**.09869**	**.09367**	**.20464**	**.17833**	**.05091**	**.05219**	**.04538**
Stddev	.00184	.00212	.00064	.00267	.00669	.00005	.00050	.00023
%RSD	.49410	2.1469	.68017	1.3058	3.7512	.09296	.96079	.50506
#1	.37169	.09720	.09322	.20275	.17360	.05087	.05184	.04522
#2	.37430	.10019	.09412	.20653	.18306	.05094	.05255	.04554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.0**	**81381.**	**6775.4**
Stddev	21.8	667.	25.3
%RSD	.43286	.82000	.37347
#1	5018.6	81853.	6793.3
#2	5049.4	80909.	6757.5

Sample Name: 61905-J-11-D MSD @10 Acquired: 11/16/2014 18:32:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00486**	**.21161**	**.10782**	**.25496**	**.21342**	**.00507**	**.21625**	**13.568**	**.01014**
Stddev	.00010	.00140	.00010	.00407	.00087	.00010	.00336	.055	.00020
%RSD	2.0733	.66217	.09479	1.5949	.40647	2.0264	1.5542	.40423	1.9612
#1	.00479	.21062	.10775	.25208	.21281	.00500	.21387	13.530	.01000
#2	.00493	.21260	.10789	.25783	.21403	.00515	.21863	13.607	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05286**	**.02042**	**.02689**	**.11430**	**5.1878**	**.11698**	**6.6934**	**.06424**	**.09511**
Stddev	.00106	.00066	.00061	.00376	.0195	.00088	.0187	.00021	.00122
%RSD	2.0071	3.2221	2.2536	3.2913	.37605	.75083	.27943	.31960	1.2816
#1	.05211	.01996	.02646	.11164	5.2016	.11636	6.6802	.06410	.09425
#2	.05361	.02089	.02732	.11696	5.1740	.11760	6.7066	.06439	.09597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**123.51**	**.05335**	**1.0906**	**.05123**	**44.358**	**.04673**	**.20818**	**1.5310**	**.18972**
Stddev	.38	.00114	.0129	.00005	.634	.00066	.00339	.0362	.00244
%RSD	.30681	2.1292	1.1829	.09995	1.4291	1.4163	1.6277	2.3620	1.2871
#1	123.25	.05254	1.0815	.05127	43.909	.04626	.20578	1.5054	.18799
#2	123.78	.05415	1.0998	.05120	44.806	.04719	.21057	1.5565	.19145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37540**	**.09784**	**.09367**	**.20652**	**.19831**	**.05100**	**.05286**	**.04797**
Stddev	.00208	.00039	.00057	.00162	.03489	.00001	.00074	.00107
%RSD	.55441	.39809	.60935	.78361	17.595	.01060	1.3980	2.2367
#1	.37393	.09811	.09327	.20537	.22298	.05099	.05339	.04721
#2	.37687	.09756	.09407	.20766	.17363	.05100	.05234	.04872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.6**	**81940.**	**6809.4**
Stddev	10.7	37.	4.8
%RSD	.21306	.04519	.06998
#1	5042.2	81914.	6812.7
#2	5027.0	81966.	6806.0

Sample Name: 61905-J-11-B PDS@10 Acquired: 11/16/2014 18:35:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250661 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00530**	**1.0188**	**.20800**	**.24896**	**.10930**	**.05101**	**-.00146**	**29.004**	**.05102**
Stddev	.00065	.0000	.00072	.00092	.00076	.00028	.00308	.018	.00008
%RSD	12.298	.00177	.34770	.36826	.69291	.54365	211.68	.06042	.14780
#1	.00576	1.0188	.20851	.24961	.10877	.05081	.00072	28.992	.05108
#2	.00484	1.0188	.20748	.24831	.10984	.05121	-.00364	29.017	.05097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05125**	**.04991**	**.05295**	**1.0747**	**20.884**	**.11801**	**21.630**	**.06453**	**.04740**
Stddev	.00006	.00014	.00021	.0026	.068	.00123	.003	.00008	.00012
%RSD	.12545	.27439	.39952	.24112	.32564	1.0398	.01513	.13018	.24754
#1	.05130	.04981	.05280	1.0728	20.932	.11887	21.628	.06458	.04748
#2	.05121	.05001	.05310	1.0765	20.836	.11714	21.632	.06447	.04731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**138.95**	**.05227**	**2.1249**	**.10295**	**42.689**	**.09242**	**.20466**	**5.3122**	**.09409**
Stddev	.36	.00022	.0006	.00068	.134	.00084	.00044	.0475	.00034
%RSD	.25794	.42228	.02811	.66173	.31387	.90784	.21528	.89429	.36141
#1	138.70	.05212	2.1253	.10246	42.784	.09301	.20435	5.2786	.09385
#2	139.21	.05243	2.1245	.10343	42.594	.09182	.20498	5.3458	.09433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32618**	**.19770**	**.04716**	**.19911**	**.50905**	**.05159**	**.21197**	**.04701**
Stddev	.00060	.00042	.00045	.00175	.01267	.00016	.00063	.00044
%RSD	.18530	.21230	.95993	.87975	2.4891	.30173	.29876	.94470
#1	.32575	.19740	.04684	.20035	.50009	.05170	.21242	.04732
#2	.32661	.19799	.04748	.19787	.51801	.05148	.21153	.04669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5004.1**	**80033.**	**6756.2**
Stddev	2.6	466.	58.8
%RSD	.05206	.58181	.87000
#1	5006.0	79703.	6714.7
#2	5002.3	80362.	6797.8

Sample Name: 280-61906-A-6-A @5 Acquired: 11/16/2014 18:37:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/5 Custom ID2: Custom ID3:
Comment: 251222 6010B (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00200**	**-.00133**	**.00425**	**.00812**	**.00001**	**-.00100**	**3.7659**	**.00007**
Stddev	.00073	.00042	.00086	.00034	.00025	.00001	.00044	.0010	.00004
%RSD	218.24	20.756	64.416	7.8958	3.0818	40.993	43.756	.02511	50.809
#1	-.00018	.00229	-.00194	.00449	.00830	.00001	-.00131	3.7666	.00010
#2	.00085	.00171	-.00073	.00401	.00794	.00002	-.00069	3.7652	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00050**	**.00081**	**.96179**	**.70781**	**.00420**	**1.5287**	**.03709**	**.00034**
Stddev	.00013	.00004	.00012	.00466	.01977	.00051	.0020	.00005	.00025
%RSD	118.88	7.9589	14.410	.48440	2.7928	12.201	.12867	.12424	74.735
#1	-.00020	-.00048	.00073	.95849	.72178	.00384	1.5273	.03706	.00016
#2	-.00002	-.00053	.00089	.96508	.69383	.00457	1.5301	.03713	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8151**	**.00048**	**.34853**	**-.00122**	**2.6510**	**-.00036**	**-.00233**	**6.9170**	**-.00053**
Stddev	.0006	.00011	.00034	.00059	.0071	.00066	.00124	.0070	.00036
%RSD	.03359	22.666	.09744	48.169	.26688	184.99	53.349	.10152	66.661
#1	1.8156	.00040	.34877	-.00164	2.6560	.00011	-.00145	6.9219	-.00028
#2	1.8147	.00056	.34829	-.00081	2.6460	-.00083	-.00321	6.9120	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08471**	**-.00136**	**-.00012**	**.00012**	**.00172**	**-.00007**	**-.00020**	**-.00016**
Stddev	.00008	.00027	.00012	.00012	.01861	.00003	.00032	.00011
%RSD	.09033	19.766	94.759	95.856	1084.7	50.338	161.44	69.822
#1	.08465	-.00117	-.00021	.00004	.01487	-.00009	-.00043	-.00008
#2	.08476	-.00155	-.00004	.00020	-.01144	-.00004	.00003	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5201.5**	**85336.**	**6897.2**
Stddev	12.3	257.	18.0
%RSD	.23560	.30084	.26112
#1	5192.9	85517.	6909.9
#2	5210.2	85154.	6884.4

Sample Name: 280-61906-A-7-A Acquired: 11/16/2014 18:40:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/5 Custom ID2: Custom ID3:
Comment: 251222 6010B (Se)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.54876**	**-.00055**	**.01541**	**.03698**	**.00001**	**-.00579**	**54.809**	**.00009**
Stddev	.00025	.00585	.00307	.00053	.00031	.00004	.00152	.104	.00019
%RSD	381.89	1.0659	561.65	3.4449	.83569	420.96	26.161	.18919	206.33
#1	-.00025	.54462	.00162	.01504	.03677	-.00002	-.00687	54.882	-.00004
#2	.00011	.55290	-.00272	.01579	.03720	.00003	-.00472	54.736	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00067**	**.00138**	**9.1793**	**4.7609**	**.04009**	**16.795**	**.50469**	**.00008**
Stddev	.00008	.00009	.00025	.0137	.0360	.00165	.014	.00072	.00028
%RSD	30.259	13.502	18.396	.14962	.75690	4.1193	.08110	.14187	367.05
#1	-.00033	.00073	.00156	9.1890	4.7864	.04126	16.804	.50520	.00027
#2	-.00021	.00061	.00120	9.1696	4.7354	.03893	16.785	.50419	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	589.592 { 57}	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9253**	W **9.6056**	**.00151**	**.81370**	**.00016**	**26.847**	**.00223**	**.00209**	**24.812**
Stddev	.0236	.1767	.00005	.00195	.00144	.064	.00083	.00002	.063
%RSD	.26392	1.8399	3.1483	.23961	911.84	.23831	37.172	1.1372	.25416
#1	8.9420	9.7306	.00148	.81508	-.00086	26.802	.00281	.00211	24.856
#2	8.9086	9.4807	.00155	.81232	.00118	26.893	.00164	.00208	24.767
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		10.000							

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.97094**	**-.00146**	**.01784**	**.00198**	**.03280**	**.00132**	**.00420**	**.00161**
Stddev	.00073	.00130	.00064	.00002	.00111	.03953	.00013	.00034	.00009
%RSD	98.747	.13354	43.893	.08769	55.985	120.52	9.8447	8.1193	5.8421
#1	-.00126	.97185	-.00192	.01786	.00119	.00485	.00123	.00444	.00168
#2	-.00022	.97002	-.00101	.01783	.00276	.06076	.00142	.00396	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5138.9**	**83138.**	**6862.8**
Stddev	8.8	42.	20.8
%RSD	.17121	.05069	.30351
#1	5132.6	83168.	6848.0
#2	5145.1	83108.	6877.5

Sample Name: 280-61950-A-47-B Acquired: 11/16/2014 18:43:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251007 200.7 (Mo)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.04296**	**.00184**	**.12468**	**.25550**	**-.00001**	**-.00879**	**170.60**	**.00045**
Stddev	.00060	.00080	.00279	.00004	.00098	.00010	.00029	.54	.00013
%RSD	350.57	1.8675	151.99	.03425	.38195	930.86	3.3341	.31846	29.245
#1	-.00059	.04353	.00381	.12471	.25619	-.00008	-.00900	170.98	.00055
#2	.00025	.04239	-.00014	.12465	.25481	.00006	-.00859	170.21	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00103**	**.35683**	**.15585**	**15.925**	**.03791**	**44.256**	**.02113**	**.05131**
Stddev	.00013	.00002	.00096	.00003	.010	.00225	.014	.00000	.00013
%RSD	83.953	1.7928	.26850	.02154	.06172	5.9336	.03208	.00498	.26182
#1	-.00006	.00104	.35615	.15583	15.932	.03632	44.246	.02112	.05121
#2	-.00024	.00101	.35751	.15587	15.918	.03950	44.266	.02113	.05140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.99**	**.00475**	**1.0089**	**-.00056**	**118.76**	**.00136**	**.00140**	**32.292**	**-.00047**
Stddev	.30	.00069	.0040	.00034	.16	.00008	.00586	.104	.00005
%RSD	.25196	14.512	.39469	62.020	.13253	5.8360	417.81	.32345	10.456
#1	119.20	.00427	1.0061	-.00031	118.65	.00130	-.00274	32.366	-.00050
#2	118.78	.00524	1.0117	-.00080	118.87	.00141	.00555	32.218	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2359**	**-.00263**	**.00159**	**.00259**	**.01823**	**.00292**	**.03487**	**.00047**
Stddev	.0034	.00031	.00008	.00079	.01367	.00077	.00028	.00014
%RSD	.27937	11.871	5.0641	30.683	74.992	26.459	.81079	29.946
#1	1.2383	-.00285	.00153	.00203	.02790	.00238	.03467	.00037
#2	1.2334	-.00241	.00164	.00315	.00856	.00347	.03507	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4936.5**	**80457.**	**6823.1**
Stddev	11.2	65.	17.5
%RSD	.22612	.08076	.25578
#1	4928.6	80503.	6835.4
#2	4944.4	80411.	6810.8

Sample Name: 280-61950-A-48-B Acquired: 11/16/2014 18:46:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251007 200.7 (Mo)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.05080**	**.00942**	**12.988**	**.00565**	**-.00001**	**.00540**	**20.784**	**-.00010**
Stddev	.00001	.00005	.00085	.017	.00017	.00011	.00092	.068	.00016
%RSD	31.100	.09779	9.0439	.13162	3.0075	1305.1	17.127	.32686	163.14
#1	.00005	.05083	.01002	12.976	.00553	.00007	.00474	20.736	-.00021
#2	.00003	.05076	.00882	13.000	.00577	-.00009	.00605	20.832	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00350**	**.15835**	**5.8477**	**2.0075**	**.00583**	**7.9296**	**.09017**	**.01535**
Stddev	.00014	.00001	.00000	.0020	.0469	.00236	.0210	.00018	.00028
%RSD	47.939	.35002	.00065	.03478	2.3351	40.526	.26493	.19595	1.8214
#1	.00039	.00351	.15835	5.8463	1.9743	.00416	7.9147	.09005	.01515
#2	.00019	.00349	.15835	5.8492	2.0406	.00751	7.9444	.09030	.01555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**254.66**	**.00894**	**.64213**	**.03439**	**19.465**	**.00288**	**-.00381**	**1.8861**	**.01090**
Stddev	.33	.00027	.00214	.00067	.031	.00047	.00007	.0288	.00093
%RSD	.12910	3.0279	.33315	1.9477	.15812	16.393	1.9173	1.5246	8.5176
#1	254.43	.00913	.64061	.03487	19.487	.00255	-.00376	1.9064	.01155
#2	254.90	.00875	.64364	.03392	19.443	.00321	-.00386	1.8657	.01024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11927**	**-.00103**	**.07414**	**.00431**	**.00545**	**.00077**	**.06818**	**-.00005**
Stddev	.00018	.00038	.00029	.00153	.01027	.00105	.00002	.00016
%RSD	.15347	36.345	.38829	35.425	188.40	136.29	.02893	310.79
#1	.11940	-.00077	.07394	.00539	-.00181	.00003	.06817	-.00017
#2	.11914	-.00130	.07435	.00323	.01271	.00152	.06820	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4896.7**	**79727.**	**6669.5**
Stddev	10.9	201.	55.8
%RSD	.22331	.25196	.83689
#1	4904.5	79869.	6709.0
#2	4889.0	79585.	6630.0

Sample Name: ccvh-2982968 Acquired: 11/16/2014 18:49:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00713**	**49.771**	**.00450**	**.04237**	**-.00012**	**-.00007**	**.95211**	**-.09046**	**-.00041**	**.00170**	**-.00025**	**-.00014**	**50.600**
Stddev	.00058	.132	.00409	.00356	.00032	.00004	.00342	.00036	.00016	.00004	.00005	.00018	.154
%RSD	8.1651	.26568	91.005	8.3954	269.61	61.704	.35893	.39569	39.634	2.2664	20.541	126.78	.30467
#1	.00754	49.678	.00160	.04488	-.00035	-.00004	.95452	-.09071	-.00053	.00173	-.00028	-.00001	50.491
#2	.00672	49.865	.00739	.03985	.00011	-.00010	.94969	-.09021	-.00030	.00167	-.00021	-.00027	50.709
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03230**	**-.00354**	**.12994**	**-.00303**	**-.00157**	**250.07**	**.00085**	**.00382**	**.00078**	**4.7983**	**.00614**	**-.00069**	**-.02013**
Stddev	.04658	.00143	.00161	.00013	.00006	1.08	.00002	.00005	.00168	.0154	.00117	.00119	.03746
%RSD	144.23	40.534	1.2376	4.2959	3.5680	.43221	1.8767	1.2046	214.91	.32062	19.001	173.20	186.06
#1	-.00064	-.00455	.13108	-.00294	-.00153	249.30	.00086	.00386	-.00041	4.8092	.00697	-.00153	-.04662
#2	.06523	-.00252	.12880	-.00312	-.00161	250.83	.00083	.00379	.00197	4.7874	.00532	.00015	.00636
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**.00048**	**4.6736**	**-.02462**	**.00246**	**9.4684**	**.00424**	**-.00025**	**-.02545**
Stddev	.00024	.00004	.0041	.00004	.00077	.0443	.00049	.00035	.00126
%RSD	13.890	9.2376	.08738	.14325	31.373	.46804	11.532	142.44	4.9441
#1	.00155	.00051	4.6707	-.02460	.00301	9.4997	.00459	.00000	-.02634
#2	.00188	.00045	4.6765	-.02465	.00192	9.4371	.00390	-.00050	-.02456
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4981.6**	**79835.**	**6664.8**
Stddev	4.5	111.	11.7
%RSD	.09038	.13865	.17602
#1	4978.4	79756.	6673.1
#2	4984.8	79913.	6656.5

Sample Name: ccv-2984587 Acquired: 11/16/2014 18:51:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46590**	**.48725**	**.95073**	**.49131**	**.50679**	**.47570**	**.00733**	**4.8056**	**.47657**	**.48306**	**.47348**	**.48661**	**2.3988**	**48.150**
Stddev	.00114	.00052	.00388	.00179	.00078	.00016	.00183	.0031	.00010	.00081	.00015	.00022	.0055	.009
%RSD	.24545	.10593	.40789	.36427	.15488	.03353	25.047	.06435	.02067	.16728	.03111	.04489	.23103	.01860
#1	.46509	.48762	.94798	.49257	.50735	.47581	.00862	4.8034	.47664	.48249	.47358	.48676	2.4027	48.144
#2	.46670	.48689	.95347	.49004	.50624	.47559	.00603	4.8078	.47650	.48363	.47338	.48645	2.3949	48.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0119**	**18.944**	**.47947**	**.47354**	**5.1338**	**.48979**	**.93302**	**.96217**	**.00087**	**.93408**	**.93067**	**4.7514**	**.94677**	**.48733**
Stddev	.0010	.014	.00046	.00007	.0205	.00151	.00121	.00028	.00131	.00004	.00301	.0071	.00129	.00000
%RSD	.09671	.07497	.09548	.01530	.39950	.30870	.12963	.02907	150.97	.00410	.32341	.14977	.13598	.00066
#1	1.0126	18.954	.47980	.47349	5.1483	.49086	.93388	.96197	.00179	.93405	.93280	4.7463	.94768	.48733
#2	1.0112	18.934	.47915	.47359	5.1193	.48872	.93216	.96237	-.00006	.93411	.92855	4.7564	.94586	.48734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00943**	**.48229**	**.95794**	**.03061**	**.46872**	**.47867**	**.48988**
Stddev	.00368	.00007	.00102	.02751	.00186	.00181	.00106
%RSD	39.069	.01467	.10698	89.861	.39750	.37864	.21653
#1	.01203	.48234	.95867	.01116	.47004	.47995	.49063
#2	.00682	.48224	.95722	.05006	.46740	.47738	.48913
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5078.9**	**81769.**	**6776.3**
Stddev	4.9	191.	34.8
%RSD	.09591	.23323	.51290
#1	5075.4	81635.	6751.7
#2	5082.3	81904.	6800.9

Sample Name: CCB Acquired: 11/16/2014 18:54:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00228**	**.00211**	F **.01447**	**-.00034**	**.00004**	**.00098**	**.00491**	**.00023**	**-.00010**	**-.00040**
Stddev	.00003	.00105	.00661	.00088	.00007	.00001	.00147	.00053	.00002	.00010	.00006
%RSD	9.1967	45.880	313.75	6.0895	20.749	13.832	149.94	10.814	10.296	96.240	13.890
#1	-.00026	-.00154	.00678	.01510	-.00039	.00004	.00202	.00454	.00022	-.00017	-.00036
#2	-.00030	-.00302	-.00257	.01385	-.00029	.00004	-.00006	.00529	.00025	-.00003	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312							
Low Limit				-.00312							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00331**	**.01093**	W **-.00312**	**.00884**	**.00013**	**.00048**	**.09007**	**.00007**	**-.00118**	**-.00041**
Stddev	.00041	.00023	.00135	.00164	.00228	.00011	.00018	.00519	.00005	.00409	.00101
%RSD	633.45	6.9883	12.321	52.775	25.825	86.647	38.761	5.7675	73.610	345.33	247.42
#1	.00036	.00315	.01188	-.00428	.01046	.00020	.00034	.09375	.00010	.00171	.00031
#2	-.00023	.00348	.00998	-.00195	.00723	.00005	.00061	.08640	.00003	-.00407	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.00120**	**.00177**	**-.00407**	**-.00007**	**.00009**	**-.00012**	**.00027**	**.00043**	**.03179**	**.00005**
Stddev	.00595	.00060	.00572	.00371	.00060	.00005	.00141	.00003	.00048	.00929	.00005
%RSD	157.39	49.763	322.36	91.186	844.63	59.932	1206.2	10.827	111.94	29.211	103.36
#1	.00798	.00163	.00582	-.00670	.00035	.00005	-.00112	.00029	.00076	.03836	.00009
#2	-.00043	.00078	-.00227	-.00145	-.00050	.00013	.00088	.00025	.00009	.02523	.00001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00047**	**.00097**
Stddev	.00016	.00092
%RSD	34.059	94.926
#1	-.00036	.00163
#2	-.00058	.00032
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5129.6**	**83016.**	**6694.2**
Stddev	4.6	297.	19.7
%RSD	.09062	.35765	.29358
#1	5126.3	83226.	6680.3
#2	5132.9	82806.	6708.1

Sample Name: CCVL2994263 Acquired: 11/16/2014 18:56:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.10342**	**.01524**	**.10711**	**.01021**	**.00105**	**.10618**	**.20835**	**.00529**	**.01027**	**.00948**	**.01561**
Stddev	.00011	.00186	.00140	.00058	.00009	.00006	.00073	.00209	.00015	.00015	.00021	.00010
%RSD	1.0550	1.8000	9.1811	.54283	.88686	5.8218	.69012	1.0048	2.9247	1.4701	2.2100	.63485
#1	.01053	.10474	.01425	.10669	.01014	.00110	.10670	.20686	.00540	.01037	.00933	.01554
#2	.01069	.10211	.01623	.10752	.01027	.00101	.10567	.20983	.00518	.01016	.00963	.01568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09912**	**3.0848**	**.01015**	**.20919**	**.01027**	**.01946**	**1.1433**	**.04162**	**2.8183**	**.00903**	**.00341**	**.01036**
Stddev	.00300	.0631	.00170	.00142	.00008	.00035	.0051	.00031	.0088	.00110	.00306	.00056
%RSD	3.0268	2.0447	16.742	.68011	.76734	1.8031	.44766	.75489	.31375	12.190	89.627	5.3833
#1	.09700	3.1294	.01135	.20819	.01033	.01971	1.1397	.04184	2.8121	.00825	.00557	.01076
#2	.10124	3.0402	.00895	.21020	.01022	.01921	1.1469	.04139	2.8246	.00981	.00125	.00997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01147**	**.49296**	**.09967**	**.01022**	**.01275**	**.00994**	**.01549**	F **.08457**	**.01013**	**.02067**	**.01566**
Stddev	.00236	.01847	.00001	.00010	.00044	.00010	.00025	.01133	.00027	.00024	.00074
%RSD	20.577	3.7460	.01340	1.0075	3.4541	.99504	1.5985	13.402	2.6475	1.1405	4.6972
#1	.00980	.47991	.09968	.01015	.01306	.00987	.01566	.09258	.01032	.02051	.01618
#2	.01314	.50602	.09966	.01029	.01244	.01001	.01531	.07655	.00994	.02084	.01514
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500							.06000			
Range	-20.000%							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5185.3**	**83188.**	**6766.1**
Stddev	48.2	289.	53.5
%RSD	.92971	.34795	.79002
#1	5151.2	82983.	6728.3
#2	5219.4	83393.	6803.9

Sample Name: 280-62260-A-7-D Acquired: 11/16/2014 18:59:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.14408**	**.00302**	**.04197**	**.07377**	**.00003**	**-.00149**	**50.118**	**.00026**
Stddev	.00007	.00068	.00186	.00128	.00024	.00000	.00234	.131	.00014
%RSD	43.839	.47165	61.532	3.0486	.32857	13.353	156.76	.26065	55.305
#1	.00022	.14360	.00433	.04287	.07395	.00002	.00016	50.210	.00016
#2	.00011	.14456	.00170	.04106	.07360	.00003	-.00315	50.026	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00017**	**.00423**	**.31664**	**2.8360**	**.01073**	**7.2404**	**.16060**	**.00108**
Stddev	.00002	.00013	.00010	.00018	.0080	.00326	.0032	.00039	.00030
%RSD	6.3096	80.244	2.3707	.05727	.28323	30.407	.04450	.24567	27.256
#1	.00028	.00026	.00430	.31651	2.8303	.01304	7.2382	.16032	.00087
#2	.00030	.00007	.00416	.31677	2.8417	.00843	7.2427	.16088	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.386**	**.00188**	**.06959**	**-.00048**	**8.5623**	**.00186**	**.00234**	**6.8800**	**.00026**
Stddev	.381	.00029	.00244	.00164	.0073	.00038	.00150	.0148	.00077
%RSD	2.6500	15.341	3.5131	339.49	.08545	20.497	64.149	.21570	300.42
#1	14.655	.00209	.06786	.00068	8.5675	.00213	.00128	6.8905	-.00029
#2	14.116	.00168	.07132	-.00164	8.5571	.00159	.00341	6.8695	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23748**	**-.00058**	**.00504**	**.00154**	**-.00572**	**.00143**	**.00677**	**.00106**
Stddev	.00036	.00019	.00007	.00023	.00685	.00005	.00049	.00008
%RSD	.15324	32.583	1.3639	14.784	119.84	3.2198	7.2624	7.3084
#1	.23773	-.00044	.00499	.00138	-.00087	.00146	.00712	.00100
#2	.23722	-.00071	.00509	.00170	-.01056	.00140	.00643	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5115.5**	**83473.**	**6870.0**
Stddev	7.6	71.	29.0
%RSD	.14850	.08463	.42173
#1	5110.1	83523.	6849.5
#2	5120.8	83423.	6890.4

Sample Name: 280-62260-A-7-D Acquired: 11/16/2014 19:02:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.02945**	**.00156**	**.01283**	**.01468**	**-.00010**	**-.00076**	**10.103**	**.00021**
Stddev	.00046	.00076	.00005	.00097	.00008	.00001	.00368	.030	.00014
%RSD	164.89	2.5781	3.1800	7.5835	.52130	8.4274	484.32	.29694	69.024
#1	.00005	.02999	.00152	.01352	.01462	-.00009	.00184	10.124	.00031
#2	-.00060	.02892	.00159	.01214	.01473	-.00011	-.00336	10.082	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00042**	**.00072**	**.07451**	**.52130**	**.00067**	**1.4857**	**.03307**	**.00034**
Stddev	.00003	.00026	.00015	.00030	.05270	.00115	.0028	.00001	.00032
%RSD	103.67	60.832	21.616	.40059	10.110	171.86	.18616	.03593	93.955
#1	-.00005	-.00061	.00083	.07430	.48403	-.00014	1.4837	.03308	.00012
#2	-.00001	-.00024	.00061	.07472	.55856	.00148	1.4876	.03306	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8134**	**.00066**	**.01251**	**-.00042**	**1.6925**	**.00012**	**-.00228**	**1.3954**	**-.00019**
Stddev	.0053	.00044	.00003	.00089	.0043	.00093	.00186	.0119	.00018
%RSD	.19033	66.550	.25247	211.29	.25728	752.20	81.381	.85404	92.537
#1	2.8172	.00035	.01248	-.00106	1.6894	.00078	-.00097	1.3870	-.00007
#2	2.8096	.00097	.01253	.00021	1.6956	-.00053	-.00359	1.4038	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04843**	**-.00010**	**.00091**	**-.00022**	**-.01102**	**.00034**	**.00088**	**-.00035**
Stddev	.00002	.00225	.00005	.00045	.03269	.00005	.00035	.00084
%RSD	.04996	2147.4	5.2152	206.78	296.71	16.036	39.543	239.13
#1	.04845	.00149	.00094	-.00053	-.03414	.00030	.00113	.00024
#2	.04841	-.00170	.00087	.00010	.01210	.00038	.00064	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5155.2**	**83866.**	**6810.4**
Stddev	35.5	173.	31.4
%RSD	.68799	.20654	.46078
#1	5130.2	83743.	6788.2
#2	5180.3	83988.	6832.6

Sample Name: 280-62260-A-7-E MS Acquired: 11/16/2014 19:04:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05574**	**2.1826**	**1.0520**	**1.0804**	**2.3147**	**.05251**	**2.0815**	**103.46**	**.10105**
Stddev	.00011	.0001	.0016	.0006	.0001	.00003	.0033	.12	.00035
%RSD	.19757	.00527	.15105	.05862	.00324	.06593	.15802	.11469	.34923
#1	.05566	2.1825	1.0509	1.0799	2.3146	.05249	2.0838	103.54	.10130
#2	.05582	2.1826	1.0531	1.0808	2.3147	.05254	2.0792	103.38	.10080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51582**	**.20702**	**.27238**	**1.3686**	**56.539**	**1.1264**	**58.413**	**.67672**	**1.0721**
Stddev	.00080	.00011	.00012	.0022	.052	.0006	.009	.00053	.0008
%RSD	.15461	.05471	.04359	.16447	.09118	.05400	.01540	.07849	.07238
#1	.51639	.20694	.27246	1.3670	56.575	1.1268	58.407	.67709	1.0727
#2	.51526	.20710	.27229	1.3702	56.502	1.1260	58.420	.67634	1.0716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**69.099**	**.52062**	**10.693**	**.51614**	**11.015**	**.52053**	**2.0297**	**17.781**	**2.0602**
Stddev	.174	.00079	.029	.00012	.021	.00220	.0004	.015	.0005
%RSD	.25199	.15138	.27236	.02319	.19092	.42262	.01739	.08333	.02289
#1	69.222	.52118	10.714	.51622	11.029	.51898	2.0294	17.770	2.0605
#2	68.976	.52007	10.673	.51605	11.000	.52209	2.0299	17.791	2.0598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3155**	**1.0069**	**1.0625**	**1.9906**	**2.0825**	**.51836**	**.51274**	**.53568**
Stddev	.0010	.0020	.0006	.0040	.0189	.00257	.00010	.00289
%RSD	.07400	.20164	.05473	.20023	.90730	.49636	.02026	.53912
#1	1.3162	1.0083	1.0621	1.9878	2.0692	.51654	.51282	.53772
#2	1.3148	1.0054	1.0629	1.9934	2.0959	.52018	.51267	.53364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4911.3**	**80387.**	**6751.5**
Stddev	3.8	58.	4.3
%RSD	.07776	.07169	.06425
#1	4914.0	80428.	6748.4
#2	4908.6	80346.	6754.6

Sample Name: 280-62260-A-7-F MSD Acquired: 11/16/2014 19:07:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05481**	**2.1881**	**1.0375**	**1.0745**	**2.2824**	**.05177**	**2.0723**	**102.13**	**.09997**
Stddev	.00071	.0001	.0016	.0017	.0051	.00015	.0037	.08	.00030
%RSD	1.3041	.00531	.15600	.15543	.22264	.28983	.17971	.07651	.29629
#1	.05531	2.1882	1.0364	1.0733	2.2860	.05166	2.0697	102.18	.09977
#2	.05430	2.1880	1.0387	1.0756	2.2789	.05187	2.0750	102.07	.10018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51184**	**.20566**	**.27015**	**1.3440**	**55.842**	**1.1094**	**57.999**	**.67154**	**1.0620**
Stddev	.00050	.00035	.00003	.0027	.059	.0024	.061	.00020	.0001
%RSD	.09820	.17037	.01252	.19898	.10499	.21538	.10484	.02983	.00668
#1	.51219	.20591	.27013	1.3421	55.883	1.1111	57.956	.67168	1.0621
#2	.51148	.20541	.27017	1.3458	55.800	1.1077	58.042	.67140	1.0620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.235**	**.51586**	**10.633**	**.51369**	**10.886**	**.51423**	**2.0257**	**17.503**	**2.0405**
Stddev	.044	.00039	.016	.00007	.009	.00150	.0053	.030	.0032
%RSD	.06498	.07512	.14957	.01360	.07932	.29162	.26162	.17187	.15505
#1	68.203	.51558	10.645	.51374	10.880	.51529	2.0219	17.482	2.0427
#2	68.266	.51613	10.622	.51364	10.892	.51317	2.0294	17.524	2.0382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2980**	**.99514**	**1.0501**	**1.9819**	**2.0855**	**.51549**	**.51046**	**.55599**
Stddev	.0018	.00081	.0003	.0066	.0133	.00162	.00210	.00101
%RSD	.13794	.08153	.03037	.33481	.63696	.31486	.41042	.18132
#1	1.2992	.99457	1.0503	1.9866	2.0761	.51434	.50898	.55670
#2	1.2967	.99571	1.0499	1.9772	2.0949	.51664	.51194	.55527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4927.1**	**79865.**	**6768.0**
Stddev	5.1	801.	25.3
%RSD	.10320	1.0029	.37421
#1	4923.5	80432.	6750.1
#2	4930.7	79299.	6785.9

Sample Name: 280-62260-A-7-D Acquired: 11/16/2014 19:09:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04064**	**1.1021**	**.20099**	**.13670**	**.17598**	**.04881**	**-.00133**	**68.485**	**.04836**
Stddev	.00065	.0044	.00135	.00031	.00007	.00042	.00056	.114	.00022
%RSD	1.6073	.39576	.67261	.22444	.04193	.86685	42.133	.16689	.45266
#1	.04110	1.1052	.20195	.13692	.17593	.04851	-.00173	68.566	.04851
#2	.04018	1.0990	.20003	.13648	.17604	.04911	-.00094	68.405	.04820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04830**	**.04776**	**.05403**	**1.2829**	**22.539**	**.11402**	**25.976**	**.20472**	**.04892**
Stddev	.00023	.00006	.00032	.0012	.014	.00297	.020	.00030	.00005
%RSD	.46647	.13087	.59607	.09671	.05999	2.6022	.07781	.14853	.09585
#1	.04814	.04780	.05426	1.2838	22.530	.11193	25.962	.20450	.04895
#2	.04846	.04771	.05380	1.2820	22.549	.11612	25.990	.20493	.04889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.272**	**.05086**	**2.0202**	**.09637**	**8.4771**	**.09729**	**.18421**	**11.688**	**.09559**
Stddev	.044	.00012	.0066	.00065	.0139	.00014	.00347	.034	.00083
%RSD	.12982	.23263	.32534	.67433	.16402	.14251	1.8830	.28756	.86913
#1	34.303	.05095	2.0249	.09683	8.4869	.09739	.18667	11.712	.09618
#2	34.240	.05078	2.0156	.09591	8.4673	.09719	.18176	11.665	.09500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28260**	**.18556**	**.05426**	**.19162**	**.51393**	**.05008**	**.19687**	**.04996**
Stddev	.00004	.00362	.00131	.00065	.02173	.00066	.00124	.00115
%RSD	.01273	1.9522	2.4208	.34165	4.2276	1.3124	.62924	2.3015
#1	.28257	.18300	.05333	.19209	.52929	.05055	.19599	.05077
#2	.28262	.18812	.05519	.19116	.49856	.04962	.19775	.04915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5041.5**	**81458.**	**6766.6**
Stddev	14.9	342.	32.5
%RSD	.29524	.41950	.48007
#1	5052.0	81217.	6743.6
#2	5031.0	81700.	6789.5

Sample Name: 280-62261-C-1-B Acquired: 11/16/2014 19:12:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.03659**	**-.00303**	**.04259**	**.04383**	**.00000**	**-.00744**	W **962.02**	**.00126**
Stddev	.00013	.00053	.00109	.00013	.00004	.00002	.00081	20.61	.00001
%RSD	55.894	1.4569	35.943	.30995	.10234	603.65	10.828	2.1424	1.1338
#1	-.00014	.03697	-.00379	.04250	.04386	.00002	-.00801	976.60	.00127
#2	-.00033	.03621	-.00226	.04269	.04380	-.00001	-.00687	947.45	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01553**	**-.00032**	**.00971**	**.72753**	**7.1978**	**.14611**	**136.35**	**.76946**	**.00040**
Stddev	.00004	.00013	.00073	.00154	.0240	.00054	.17	.00093	.00052
%RSD	.25354	38.651	7.5596	.21215	.33370	.36816	.12615	.12082	128.23
#1	.01550	-.00041	.00919	.72644	7.1808	.14573	136.47	.77012	.00077
#2	.01556	-.00024	.01023	.72863	7.2148	.14649	136.23	.76880	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.733**	**.00589**	**-.00221**	**-.00212**	**956.72**	**.00590**	**.00659**	**.25693**	**-.00260**
Stddev	.388	.00019	.00333	.00124	1.01	.00069	.00087	.01248	.00018
%RSD	1.9673	3.1450	150.83	58.649	.10576	11.651	13.198	4.8564	6.8730
#1	19.459	.00602	.00015	-.00124	956.00	.00639	.00598	.26575	-.00273
#2	20.008	.00576	-.00456	-.00300	957.43	.00542	.00721	.24811	-.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75673**	**-.00500**	**.00077**	**.00166**	**.06404**	**.00073**	**.01210**	**.00038**
Stddev	.00212	.00109	.00011	.00055	.03630	.00016	.00055	.00145
%RSD	.27957	21.760	14.558	33.325	56.692	21.281	4.5749	382.06
#1	.75823	-.00423	.00085	.00205	.08971	.00062	.01171	.00141
#2	.75524	-.00577	.00069	.00127	.03837	.00084	.01249	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4585.3**	**76364.**	**6645.0**
Stddev	6.8	344.	15.6
%RSD	.14882	.45094	.23464
#1	4590.1	76121.	6633.9
#2	4580.5	76608.	6656.0

Sample Name: 280-62261-C-2-D @5 Acquired: 11/16/2014 19:15:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**50.672**	**.00908**	**.01220**	**.00226**	**.00444**	**.02675**	**76.113**	**.02725**
Stddev	.00021	.007	.00263	.00021	.00029	.00002	.00402	.042	.00020
%RSD	11.061	.01431	28.920	1.7211	13.017	.46246	15.027	.05521	.74789
#1	.00208	50.667	.00722	.01235	.00246	.00443	.02959	76.083	.02710
#2	.00178	50.677	.01094	.01205	.00205	.00446	.02391	76.142	.02739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94646**	**.00417**	W **14.575**	**457.19**	**.38741**	**.05076**	**72.193**	**6.9952**	**-.00374**
Stddev	.00057	.00009	.302	.56	.05125	.00045	.179	.0618	.00006
%RSD	.06068	2.1561	2.0693	.12354	13.230	.88492	.24864	.88374	1.7037
#1	.94686	.00424	14.362	456.79	.35116	.05108	72.066	6.9515	-.00379
#2	.94605	.00411	14.788	457.59	.42365	.05044	72.320	7.0390	-.00369
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000						
Low Limit			-.01000						

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9192**	**.25613**	**.01041**	W **-.00450**	**485.00**	**.00445**	**.00607**	**7.2337**	**.00099**
Stddev	.0074	.00006	.00118	.00083	.54	.00039	.00524	.0126	.00059
%RSD	.18903	.02399	11.357	18.493	.11083	8.7178	86.445	.17378	60.311
#1	3.9245	.25608	.01125	-.00509	484.62	.00473	.00977	7.2248	.00141
#2	3.9140	.25617	.00958	-.00391	485.38	.00418	.00236	7.2426	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000					
Low Limit				-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14019**	F **-.05027**	**.00242**	**.01425**	**.06908**	**.01383**	**4.6492**	**.00661**
Stddev	.00021	.00249	.00022	.00073	.03384	.00042	.0115	.00187
%RSD	.15054	4.9570	9.0142	5.1534	48.988	3.0321	.24739	28.322
#1	.14004	-.04850	.00227	.01477	.04515	.01412	4.6411	.00793
#2	.14034	-.05203	.00257	.01373	.09301	.01353	4.6574	.00528
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000						
Low Limit		-.02000						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5540.9**	**90053.**	**7485.6**
Stddev	8.4	46.	7.3
%RSD	.15183	.05109	.09816
#1	5534.9	90086.	7480.4
#2	5546.8	90021.	7490.8

Sample Name: 280-62261-C-2-D @10 Acquired: 11/16/2014 19:18:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252121 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**26.966**	**.00430**	**.00727**	**.00105**	**.00233**	**.01223**	**40.673**	**.01459**
Stddev	.00042	.087	.00298	.00032	.00007	.00003	.00060	.091	.00008
%RSD	36.026	.32191	69.244	4.3684	6.4298	1.3160	4.9216	.22262	.52073
#1	.00087	26.904	.00640	.00750	.00100	.00235	.01181	40.609	.01464
#2	.00146	27.027	.00219	.00705	.00109	.00231	.01266	40.737	.01453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51383**	**.00185**	**7.8990**	**246.06**	**.16275**	**.02481**	**38.840**	**3.8211**	**-.00208**
Stddev	.00012	.00006	.0027	.46	.02431	.00149	.023	.0066	.00033
%RSD	.02308	3.1717	.03389	.18526	14.938	5.9940	.06038	.17170	16.092
#1	.51374	.00189	7.9009	245.73	.14556	.02375	38.823	3.8257	-.00231
#2	.51391	.00181	7.8971	246.38	.17994	.02586	38.856	3.8164	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0542**	**.13954**	**.00354**	**-.00216**	**263.76**	**.00278**	**.00051**	**3.8451**	**.00006**
Stddev	.0039	.00000	.00111	.00048	.97	.00092	.00536	.0118	.00087
%RSD	.18769	.00342	31.344	22.063	.36737	32.965	1040.4	.30620	1418.3
#1	2.0515	.13954	.00432	-.00182	264.45	.00213	.00430	3.8367	-.00055
#2	2.0569	.13953	.00276	-.00249	263.08	.00343	-.00327	3.8534	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07501**	F **-.02514**	**.00135**	**.00859**	**.02002**	**.00732**	**2.5207**	**.00347**
Stddev	.00018	.00077	.00026	.00081	.00465	.00027	.0026	.00100
%RSD	.23662	3.0508	19.449	9.4829	23.238	3.6579	.10454	28.701
#1	.07489	-.02568	.00153	.00916	.02331	.00713	2.5226	.00277
#2	.07514	-.02459	.00116	.00801	.01673	.00750	2.5188	.00417
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000						
Low Limit		-.02000						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5369.0**	**87025.**	**7214.9**
Stddev	19.9	123.	72.6
%RSD	.37091	.14090	1.0065
#1	5383.1	87112.	7266.3
#2	5355.0	86938.	7163.6

Sample Name: ccvh-2982968 Acquired: 11/16/2014 19:20:48 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00679**	**49.667**	**-.00130**	**.00312**	**.00008**	**-.00001**	**.94998**	**-.08482**	**-.00038**	**.00170**	**-.00039**	**.00141**	**50.716**
Stddev	.00008	.026	.00129	.00050	.00005	.00001	.01007	.00088	.00017	.00024	.00001	.00040	.046
%RSD	1.1228	.05170	99.716	15.901	56.942	47.583	1.0596	1.0403	43.969	14.024	2.8091	28.172	.09159
#1	.00674	49.686	-.00038	.00277	.00012	-.00001	.94286	-.08420	-.00050	.00187	-.00038	.00169	50.683
#2	.00685	49.649	-.00221	.00347	.00005	-.00002	.95709	-.08545	-.00026	.00154	-.00040	.00113	50.749
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00748**	**-.00106**	**.13231**	**-.00246**	**-.00151**	**249.42**	**.00090**	**.00554**	**.00058**	**4.8646**	**.00682**	**.00136**	**-.01222**
Stddev	.04199	.00163	.00550	.00001	.00031	.49	.00011	.00304	.00091	.0338	.00278	.00388	.00352
%RSD	561.45	153.58	4.1563	.20711	20.730	.19562	12.468	54.968	156.95	.69553	40.732	284.96	28.776
#1	-.03717	-.00221	.13620	-.00245	-.00173	249.76	.00098	.00769	.00122	4.8406	.00879	.00410	-.00973
#2	.02221	.00009	.12842	-.00246	-.00129	249.07	.00082	.00339	-.00006	4.8885	.00486	-.00138	-.01470
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00040**	**4.6381**	**-.02422**	**.00213**	**9.4218**	**.00435**	**-.00063**	**-.02239**
Stddev	.00007	.00014	.0098	.00027	.00132	.0314	.00011	.00012	.00156
%RSD	12.999	35.095	.21229	1.0958	61.756	.33282	2.5960	19.389	6.9747
#1	.00061	.00030	4.6311	-.02441	.00306	9.3996	.00443	-.00054	-.02350
#2	.00050	.00050	4.6450	-.02403	.00120	9.4439	.00427	-.00071	-.02129
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4962.5**	**80850.**	**6764.0**
Stddev	72.5	636.	23.6
%RSD	1.4617	.78677	.34898
#1	4911.2	81300.	6780.7
#2	5013.8	80400.	6747.3

Sample Name: ccv-2984587 Acquired: 11/16/2014 19:23:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46831**	**.48963**	**.96031**	**.47374**	**.50683**	**.47755**	**.00914**	**4.8217**	**.47921**	**.48467**	**.47286**	**.49217**	**2.4257**
Stddev	.00072	.00151	.00169	.00042	.00205	.00119	.00032	.0211	.00018	.00052	.00007	.00148	.0098
%RSD	.15461	.30928	.17552	.08900	.40416	.24900	3.4787	.43779	.03815	.10635	.01384	.30144	.40274
#1	.46882	.49070	.95912	.47345	.50828	.47839	.00937	4.8366	.47933	.48431	.47282	.49112	2.4326
#2	.46780	.48856	.96150	.47404	.50538	.47671	.00892	4.8067	.47908	.48503	.47291	.49322	2.4188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.415**	**1.0086**	**19.040**	**.47989**	**.47263**	**5.0413**	**.49096**	**.93393**	**.96578**	**.05765**	**.93876**	**.93251**	**4.7842**
Stddev	.270	.0075	.002	.00036	.00099	.0280	.00140	.00470	.00043	.00446	.00480	.00563	.0594
%RSD	.55693	.74096	.01301	.07529	.20935	.55582	.28505	.50373	.04468	7.7406	.51142	.60417	1.2417
#1	48.605	1.0139	19.038	.48014	.47193	5.0611	.48997	.93061	.96608	.06081	.93537	.92852	4.8262
#2	48.224	1.0033	19.041	.47963	.47333	5.0215	.49195	.93726	.96547	.05450	.94216	.93649	4.7421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94625**	**.48735**	**.01015**	**.48285**	**.96133**	**-.01848**	**.46882**	**.47685**	**.48852**
Stddev	.00080	.00170	.00139	.00033	.00066	.02267	.00063	.00072	.00090
%RSD	.08435	.34786	13.681	.06764	.06910	122.65	.13480	.15127	.18336
#1	.94681	.48854	.00917	.48308	.96180	-.00245	.46837	.47634	.48915
#2	.94569	.48615	.01114	.48261	.96086	-.03451	.46927	.47736	.48789
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5131.3**	**82562.**	**6754.8**
Stddev	3.4	41.	77.4
%RSD	.06617	.05000	1.1460
#1	5128.9	82533.	6700.1
#2	5133.7	82591.	6809.6

Sample Name: CCB Acquired: 11/16/2014 19:25:55 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00536**	W **.00462**	F **.00347**	**-.00025**	**.00013**	**-.00009**	**.01495**	**.00019**	**.00001**	**-.00057**	**.00113**
Stddev	.00015	.00653	.00123	.00114	.00014	.00002	.00126	.00370	.00008	.00033	.00004	.00008
%RSD	62.709	121.88	26.726	32.822	56.080	11.959	1353.1	24.752	41.025	2685.1	6.4107	7.0447
#1	-.00033	.00074	.00549	.00267	-.00035	.00014	-.00098	.01234	.00013	-.00022	-.00055	.00107
#2	-.00013	.00998	.00374	.00428	-.00015	.00012	.00080	.01757	.00025	.00024	-.00060	.00118
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312								
Low Limit			-.00440	-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01311**	**-.01493**	**-.00137**	**.00607**	**.00022**	**.00079**	**.01981**	**.00020**	**-.00089**	**-.00175**	**.09823**	**.00165**
Stddev	.00331	.01903	.00041	.00112	.00003	.00003	.00895	.00004	.00162	.00044	.07220	.00010
%RSD	25.238	127.49	29.722	18.445	12.434	4.1766	45.165	19.105	181.09	25.297	73.497	6.2160
#1	.01545	-.02839	-.00166	.00686	.00020	.00077	.01348	.00022	-.00204	-.00206	.04718	.00173
#2	.01077	-.00147	-.00109	.00528	.00024	.00082	.02614	.00017	.00025	-.00143	.14928	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00139**	**-.00070**	**.00003**	**-.00064**	**-.00050**	**.00023**	**-.01326**	**-.00025**	**.00039**	**-.00023**
Stddev	.00212	.01193	.00010	.00000	.00109	.00038	.00050	.01952	.00011	.00017	.00263
%RSD	274.41	860.69	14.788	6.1340	170.08	77.546	213.93	147.27	45.603	43.155	1140.2
#1	-.00073	-.00982	-.00062	.00003	.00013	-.00077	.00058	-.02706	-.00033	.00050	.00163
#2	.00227	.00705	-.00077	.00003	-.00141	-.00022	-.00012	.00055	-.00017	.00027	-.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5177.5**	**84250.**	**6678.7**
Stddev	4.3	396.	13.5
%RSD	.08364	.47033	.20274
#1	5174.4	84530.	6669.2
#2	5180.6	83969.	6688.3

Sample Name: CCVL2994263 Acquired: 11/16/2014 19:28:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.10625**	**.01579**	**.10150**	**.01123**	**.00100**	**.10986**	**.21462**	**.00535**	**.01067**	**.00965**	**.01748**
Stddev	.00019	.00147	.00128	.00019	.00005	.00005	.00024	.00162	.00004	.00017	.00006	.00005
%RSD	1.9081	1.3830	8.1340	.18252	.46279	4.6106	.21441	.75329	.77802	1.5769	.64836	.30025
#1	.00978	.10729	.01669	.10137	.01126	.00097	.11002	.21348	.00532	.01079	.00961	.01752
#2	.01005	.10521	.01488	.10163	.01119	.00103	.10969	.21576	.00538	.01055	.00970	.01744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11018**	**3.1692**	**.01097**	**.22002**	**.01078**	**.01968**	**1.1255**	**.04257**	**2.8827**	**.00857**	**.03597**	**.00901**
Stddev	.00062	.0130	.00040	.00179	.00007	.00003	.0111	.00006	.0014	.00022	.00296	.00085
%RSD	.56100	.41118	3.6516	.81345	.66487	.14579	.98647	.14334	.04744	2.5233	8.2201	9.4222
#1	.10974	3.1784	.01068	.22129	.01073	.01970	1.1177	.04262	2.8837	.00842	.03388	.00841
#2	.11062	3.1600	.01125	.21875	.01083	.01966	1.1334	.04253	2.8818	.00872	.03806	.00961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01357**	**.51312**	**.10191**	**.01067**	**.01346**	**.00993**	**.01717**	W **.07261**	**.00972**	**.02091**	**.01531**
Stddev	.00330	.02359	.00125	.00004	.00060	.00005	.00066	.00086	.00018	.00012	.00050
%RSD	24.350	4.5968	1.2234	.39126	4.4280	.49113	3.8387	1.1794	1.8218	.56139	3.2826
#1	.01123	.52980	.10103	.01070	.01388	.00996	.01763	.07201	.00960	.02099	.01495
#2	.01590	.49644	.10279	.01064	.01304	.00989	.01670	.07322	.00985	.02082	.01566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5228.8**	**83985.**	**6773.9**
Stddev	7.1	406.	78.6
%RSD	.13622	.48293	1.1601
#1	5233.8	84272.	6718.3
#2	5223.7	83698.	6829.5

Sample Name: MB 280-250542/1-A Acquired: 11/16/2014 19:31:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/5 Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.00005**	**.00083**	**.00245**	**-.00057**	**.00006**	**-.00014**	**.00825**	**.00040**
Stddev	.00006	.00138	.00438	.00021	.00002	.00001	.00055	.00057	.00012
%RSD	6.1775	2873.1	529.51	8.5814	3.7200	16.212	392.42	6.8791	29.461
#1	-.00102	-.00093	.00392	.00260	-.00055	.00007	.00025	.00785	.00032
#2	-.00094	.00102	-.00227	.00230	-.00058	.00006	-.00053	.00865	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00064**	**.00056**	**.00653**	**-.03578**	**-.00151**	**.00793**	**.00022**	**.00006**
Stddev	.00011	.00014	.00026	.00012	.01854	.00036	.00091	.00005	.00013
%RSD	44.314	21.610	45.855	1.9099	51.816	23.932	11.451	24.629	210.52
#1	-.00031	-.00054	.00038	.00644	-.04889	-.00125	.00729	.00018	-.00003
#2	-.00016	-.00074	.00074	.00661	-.02267	-.00176	.00857	.00026	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01085**	**-.00029**	**.00147**	**-.00074**	**.03668**	**-.00010**	**-.00092**	**-.00525**	**.00007**
Stddev	.00113	.00009	.00144	.00024	.00424	.00071	.00434	.00931	.00025
%RSD	10.411	30.794	98.597	32.313	11.548	724.75	473.29	177.20	378.12
#1	.01165	-.00023	.00249	-.00057	.03369	.00040	.00215	-.01183	-.00011
#2	.01005	-.00035	.00044	-.00091	.03968	-.00060	-.00399	.00133	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00153**	**-.00028**	**-.00051**	**.01352**	**-.00039**	**-.00019**	**.00025**
Stddev	.00007	.00043	.00015	.00171	.00419	.00027	.00014	.00107
%RSD	426.00	27.815	53.299	336.81	30.983	70.191	73.987	430.08
#1	-.00003	-.00184	-.00038	.00070	.01648	-.00058	-.00009	-.00051
#2	.00007	-.00123	-.00017	-.00171	.01055	-.00019	-.00029	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5253.7**	**85440.**	**6922.9**
Stddev	2.7	4.	2.8
%RSD	.05231	.00414	.04051
#1	5251.8	85437.	6920.9
#2	5255.6	85442.	6924.8

Sample Name: LCS 280-250542/2-A Acquired: 11/16/2014 19:33:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05186**	**1.9271**	**.98588**	F **.88969**	**2.1175**	**.04918**	**1.9864**	**49.676**	**.09661**
Stddev	.00033	.0030	.00331	.00178	.0002	.00004	.0016	.058	.00030
%RSD	.63091	.15359	.33598	.19979	.01128	.08168	.07921	.11642	.30542
#1	.05163	1.9250	.98354	.88843	2.1177	.04921	1.9853	49.716	.09682
#2	.05209	1.9292	.98822	.89095	2.1173	.04915	1.9875	49.635	.09640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000					
Low Limit				.89000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49262**	**.19544**	**.25415**	**.98783**	**50.504**	**1.0428**	**48.814**	**.48996**	F **.88622**
Stddev	.00124	.00052	.00140	.00309	.063	.0003	.069	.00078	.00007
%RSD	.25150	.26445	.55224	.31314	.12517	.02644	.14155	.15890	.00827
#1	.49350	.19508	.25316	.99002	50.459	1.0430	48.863	.49051	.88627
#2	.49175	.19581	.25515	.98564	50.549	1.0426	48.765	.48941	.88617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.660**	**.49623**	**9.9588**	**.49432**	**1.7851**	F **.43934**	**1.9369**	F **8.9242**	**1.7427**
Stddev	.091	.00009	.0019	.00241	.0042	.00010	.0139	.0129	.0001
%RSD	.17371	.01840	.01883	.48839	.23307	.02261	.71594	.14442	.00827
#1	52.595	.49629	9.9574	.49261	1.7881	.43941	1.9467	8.9334	1.7428
#2	52.725	.49616	9.9601	.49603	1.7822	.43927	1.9271	8.9151	1.7426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit						.54000		11.500	
Low Limit						.44000		9.4000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0077**	**.94164**	F **.89042**	**1.9218**	**1.9692**	**.48721**	**.48525**	**.45029**
Stddev	.0001	.00156	.00030	.0024	.0167	.00057	.00028	.00373
%RSD	.01375	.16582	.03356	.12546	.84933	.11643	.05695	.82880
#1	1.0078	.94275	.89021	1.9235	1.9574	.48761	.48505	.44765
#2	1.0076	.94054	.89064	1.9200	1.9810	.48681	.48545	.45293
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1000					
Low Limit			.90000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5040.0**	**82076.**	**6852.8**
Stddev	16.0	797.	2.7
%RSD	.31722	.97054	.03917
#1	5051.3	81513.	6854.6
#2	5028.7	82640.	6850.9

Sample Name: 280-61866-E-1-B Acquired: 11/16/2014 19:36:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.05779**	**.00289**	**1.7387**	**.01240**	**-.00005**	**-.00184**	**122.23**	**.00034**
Stddev	.00103	.00049	.00311	.0076	.00038	.00007	.00056	.36	.00006
%RSD	535.62	.84459	107.54	.43890	3.0528	152.94	30.414	.29611	17.443
#1	.00092	.05745	.00509	1.7333	.01267	-.00010	-.00224	122.49	.00038
#2	-.00054	.05814	.00069	1.7441	.01213	.00000	-.00145	121.97	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00008**	**.00253**	**.05550**	**1.0671**	**.13094**	**24.346**	**.17682**	**.00062**
Stddev	.00027	.00044	.00059	.00088	.1230	.00213	.014	.00001	.00015
%RSD	67.779	525.32	23.418	1.5822	11.523	1.6278	.05549	.00301	23.813
#1	.00021	.00023	.00295	.05612	.98011	.12943	24.355	.17681	.00073
#2	.00059	-.00039	.00211	.05488	1.1540	.13244	24.336	.17682	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1356.2**	**.00119**	**.01537**	W **-.00302**	**563.76**	**.00181**	**.10667**	**6.4223**	**-.00081**
Stddev	2.2	.00007	.00242	.00138	1.95	.00145	.00250	.0225	.00061
%RSD	.16505	5.6050	15.765	45.629	.34563	80.298	2.3429	.35028	75.783
#1	1357.7	.00114	.01709	-.00205	562.38	.00078	.10490	6.4064	-.00037
#2	1354.6	.00124	.01366	-.00400	565.13	.00284	.10843	6.4382	-.00124
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00			10.000					
Low Limit	10.000			-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1827**	**-.00295**	**.00171**	**.00253**	**.12133**	**.00185**	**.00282**	**-.00035**
Stddev	.0053	.00147	.00046	.00001	.00892	.00080	.00054	.00152
%RSD	.16610	49.702	26.981	.45416	7.3508	43.100	19.303	435.43
#1	3.1864	-.00399	.00203	.00254	.11503	.00128	.00321	.00073
#2	3.1789	-.00192	.00138	.00252	.12764	.00241	.00244	-.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4684.1**	**75100.**	**6703.7**
Stddev	23.9	152.	41.9
%RSD	.51099	.20190	.62454
#1	4701.0	74993.	6674.1
#2	4667.2	75208.	6733.3

Sample Name: 280-61866-E-2-B Acquired: 11/16/2014 19:40:08 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.03853**	**.00157**	**1.6987**	**.01230**	**-.00005**	**.00134**	**120.06**	**.00008**
Stddev	.00053	.00024	.00072	.0029	.00020	.00001	.00237	.03	.00003
%RSD	506.56	.61455	45.731	.17119	1.6052	15.638	177.33	.02802	33.290
#1	-.00048	.03837	.00208	1.6967	.01244	-.00005	.00301	120.08	.00006
#2	.00027	.03870	.00106	1.7008	.01216	-.00006	-.00034	120.03	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00013**	**.00265**	**.03351**	**1.0790**	**.13139**	**23.823**	**.15453**	**.00063**
Stddev	.00008	.00032	.00090	.00393	.0644	.00208	.021	.00011	.00014
%RSD	17.285	251.20	34.185	11.737	5.9706	1.5794	.08958	.07266	21.736
#1	.00041	.00010	.00201	.03073	1.0335	.13286	23.808	.15445	.00053
#2	.00052	-.00035	.00329	.03629	1.1246	.12992	23.838	.15461	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1331.3**	**.00098**	**.01298**	**-.00247**	**550.96**	**.00126**	**.10706**	**6.3047**	**-.00062**
Stddev	1.5	.00021	.00206	.00003	.53	.00049	.00222	.0012	.00039
%RSD	.11615	21.133	15.858	1.1349	.09549	39.021	2.0708	.01823	64.127
#1	1330.2	.00113	.01444	-.00249	551.33	.00091	.10549	6.3039	-.00034
#2	1332.4	.00083	.01152	-.00245	550.59	.00160	.10863	6.3055	-.00089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1286**	**-.00273**	**.00073**	**.00238**	**.11531**	**.00165**	**.00275**	**-.00006**
Stddev	.0028	.00021	.00050	.00051	.00106	.00064	.00040	.00114
%RSD	.08816	7.5163	68.935	21.470	.91520	38.963	14.661	2001.6
#1	3.1266	-.00287	.00037	.00274	.11605	.00120	.00304	-.00086
#2	3.1305	-.00258	.00108	.00202	.11456	.00211	.00247	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4686.9**	**74743.**	**6602.0**
Stddev	6.6	88.	21.8
%RSD	.14173	.11713	.33094
#1	4691.6	74681.	6586.5
#2	4682.2	74805.	6617.4

Sample Name: 280-61866-AB-5-D Acquired: 11/16/2014 19:43:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.01728**	**.00026**	**3.3916**	**.01545**	**-.00003**	**.00014**	**375.81**	**.00057**
Stddev	.00032	.00099	.00601	.0054	.00027	.00002	.00001	3.73	.00020
%RSD	176.19	5.7226	2345.6	.15793	1.7371	64.866	3.6332	.99303	35.006
#1	.00004	-.01658	.00451	3.3954	.01564	-.00004	.00014	378.45	.00043
#2	-.00040	-.01798	-.00399	3.3878	.01526	-.00002	.00014	373.17	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**-.00011**	**.00445**	**.10236**	**3.7511**	**.34096**	**77.135**	**1.8521**	**.00603**
Stddev	.00004	.00054	.00011	.00013	.1585	.00247	.022	.0008	.00033
%RSD	2.1725	494.92	2.5110	.13005	4.2252	.72363	.02813	.04048	5.5069
#1	.00174	-.00049	.00437	.10227	3.6390	.34270	77.150	1.8516	.00580
#2	.00169	.00027	.00453	.10246	3.8632	.33921	77.120	1.8526	.00627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4129.1**	**.00428**	**.01610**	**-.00236**	**1430.4**	**.00178**	**.09903**	**5.7663**	**-.00151**
Stddev	13.3	.00023	.00610	.00051	1.5	.00093	.00453	.0330	.00053
%RSD	.32165	5.3778	37.897	21.636	.10257	51.996	4.5742	.57139	35.188
#1	4138.5	.00444	.02042	-.00200	1431.4	.00113	.10223	5.7896	-.00113
#2	4119.8	.00411	.01179	-.00272	1429.3	.00244	.09583	5.7430	-.00188
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.955**	**-.00069**	**.00082**	**.00033**	**.44367**	**.00123**	**.13196**	**.00069**
Stddev	.141	.00105	.00010	.00146	.00927	.00056	.00046	.00156
%RSD	1.0900	151.86	11.704	440.50	2.0895	45.551	.34736	225.24
#1	13.055	-.00144	.00075	.00136	.43711	.00083	.13163	.00180
#2	12.856	.00005	.00088	-.00070	.45023	.00163	.13228	-.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4285.6**	**68321.**	**6452.9**
Stddev	2.1	163.	76.8
%RSD	.05015	.23909	1.1906
#1	4284.1	68437.	6398.6
#2	4287.1	68206.	6507.3

Sample Name: 280-61866-AB-5-E MS Acquired: 11/16/2014 19:46:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05822**	**1.7877**	**1.1048**	**4.2989**	**2.2232**	**.05072**	**2.0162**	**418.75**	**.10495**
Stddev	.00024	.0052	.0008	.0026	.0060	.00012	.0029	.26	.00000
%RSD	.40487	.29265	.06938	.06022	.27089	.24195	.14318	.06179	.00000
#1	.05805	1.7840	1.1042	4.2971	2.2275	.05063	2.0182	418.57	.10495
#2	.05839	1.7914	1.1053	4.3008	2.2189	.05081	2.0141	418.94	.10495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48425**	**.19570**	**.27003**	**1.1023**	**60.236**	**1.4961**	**124.63**	**2.3652**	**.91697**
Stddev	.00008	.00008	.00078	.0006	.134	.0052	.18	.0015	.00291
%RSD	.01639	.04150	.28786	.05755	.22221	.34890	.14174	.06468	.31710
#1	.48431	.19575	.27058	1.1027	60.141	1.4997	124.76	2.3662	.91492
#2	.48420	.19564	.26948	1.1018	60.330	1.4924	124.51	2.3641	.91903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4274.2**	**.49053**	**11.592**	**.45435**	**1455.7**	**.46443**	**2.2847**	**15.459**	**1.6873**
Stddev	9.4	.00002	.005	.00030	1.8	.00232	.0100	.028	.0015
%RSD	.22003	.00447	.04365	.06550	.12650	.49955	.43553	.18298	.08655
#1	4280.9	.49055	11.589	.45414	1454.4	.46279	2.2777	15.479	1.6862
#2	4267.6	.49051	11.596	.45456	1457.0	.46607	2.2918	15.439	1.6883
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.448**	**.99779**	**.93862**	**1.5725**	**2.4055**	**.51505**	**.63547**	**.47664**
Stddev	.092	.00062	.00093	.0058	.0086	.00205	.00238	.00071
%RSD	.63483	.06220	.09937	.36803	.35757	.39781	.37462	.14896
#1	14.513	.99823	.93796	1.5684	2.3994	.51650	.63379	.47614
#2	14.383	.99736	.93927	1.5766	2.4116	.51361	.63716	.47714
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4246.7**	**68179.**	**6459.5**
Stddev	4.3	50.	10.1
%RSD	.10032	.07381	.15558
#1	4249.7	68214.	6452.4
#2	4243.7	68143.	6466.6

Sample Name: 280-61866-AB-5-F MSD Acquired: 11/16/2014 19:49:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05828**	**1.7489**	**1.0811**	**4.2457**	**2.1757**	**.04957**	**1.9953**	**407.15**	**.10301**
Stddev	.00062	.0039	.0010	.0030	.0035	.00018	.0038	9.94	.00042
%RSD	1.0568	.22132	.09645	.06974	.16263	.36542	.19220	2.4423	.41175
#1	.05871	1.7462	1.0804	4.2436	2.1782	.04969	1.9980	414.18	.10271
#2	.05784	1.7516	1.0818	4.2478	2.1732	.04944	1.9925	400.12	.10331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47508**	**.19215**	**.26518**	**1.0739**	**59.440**	**1.4618**	**121.23**	**2.3090**	**.90911**
Stddev	.00044	.00014	.00000	.0008	.120	.0015	.41	.0062	.00014
%RSD	.09295	.07260	.00127	.07892	.20262	.10225	.33593	.26709	.01551
#1	.47476	.19225	.26518	1.0745	59.525	1.4629	120.94	2.3047	.90921
#2	.47539	.19205	.26518	1.0733	59.355	1.4608	121.52	2.3134	.90901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4172.4**	**.47829**	**11.431**	**.44556**	**1433.4**	**.46493**	**2.2560**	**15.128**	**1.6693**
Stddev	13.4	.00104	.011	.00224	1.5	.00211	.0036	.086	.0016
%RSD	.32049	.21703	.09917	.50175	.10321	.45304	.15830	.56875	.09816
#1	4181.9	.47755	11.439	.44714	1432.4	.46345	2.2535	15.189	1.6681
#2	4163.0	.47902	11.423	.44398	1434.4	.46642	2.2585	15.067	1.6705
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.057**	**.97548**	**.92611**	**1.5470**	**2.3607**	**.50565**	**.62108**	**.46846**
Stddev	.143	.00061	.00295	.0045	.0185	.00205	.00495	.00193
%RSD	1.0201	.06203	.31855	.29044	.78155	.40613	.79680	.41232
#1	14.158	.97505	.92403	1.5502	2.3477	.50420	.61758	.46983
#2	13.955	.97591	.92820	1.5439	2.3738	.50710	.62458	.46709
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4291.3**	**69127.**	**6551.2**
Stddev	6.7	419.	80.1
%RSD	.15570	.60563	1.2232
#1	4296.0	69423.	6494.5
#2	4286.6	68831.	6607.8

Sample Name: 280-61866-J-6-B Acquired: 11/16/2014 19:52:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**-.01711**	**.00346**	**3.4154**	**.01548**	**-.00005**	**.00052**	**371.27**	**.00052**
Stddev	.00013	.00029	.00093	.0040	.00004	.00002	.00132	3.88	.00021
%RSD	29.164	1.6940	26.831	.11558	.27812	35.071	252.22	1.0460	40.926
#1	-.00036	-.01731	.00280	3.4126	.01551	-.00004	.00146	368.53	.00067
#2	-.00055	-.01690	.00411	3.4182	.01545	-.00006	-.00041	374.02	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**-.00009**	**.00500**	**.08418**	**4.8520**	**.33287**	**76.902**	**1.8564**	**.00670**
Stddev	.00040	.00013	.00061	.00366	.0560	.00144	.092	.0030	.00016
%RSD	20.542	147.45	12.294	4.3445	1.1546	.43392	.12016	.16373	2.3349
#1	.00166	.00000	.00456	.08676	4.8124	.33389	76.837	1.8543	.00659
#2	.00222	-.00018	.00543	.08159	4.8916	.33185	76.968	1.8586	.00682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4151.0**	**.00457**	**.01605**	**-.00205**	**1440.7**	**.00180**	**.09372**	**5.7806**	**-.00219**
Stddev	1.6	.00036	.00733	.00139	1.4	.00063	.00253	.0310	.00053
%RSD	.03844	7.7920	45.678	68.025	.09376	34.820	2.6985	.53589	24.198
#1	4149.8	.00432	.02123	-.00106	1441.6	.00135	.09551	5.7587	-.00256
#2	4152.1	.00483	.01086	-.00304	1439.7	.00224	.09194	5.8025	-.00181
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.297**	**-.00197**	**.00038**	**-.00134**	**.41183**	**.00124**	**.12479**	**-.00058**
Stddev	.010	.00087	.00047	.00101	.00718	.00057	.00068	.00001
%RSD	.07798	43.943	122.36	75.124	1.7430	45.759	.54685	1.3092
#1	13.290	-.00259	.00005	-.00063	.40675	.00164	.12431	-.00058
#2	13.304	-.00136	.00071	-.00205	.41690	.00084	.12527	-.00057
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4303.6**	**68763.**	**6457.4**
Stddev	4.5	123.	12.9
%RSD	.10411	.17815	.20045
#1	4300.4	68850.	6466.6
#2	4306.7	68677.	6448.3

Sample Name: 280-61866-J-6-B SD@5 Acquired: 11/16/2014 19:55:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**-.01067**	**.00306**	**.74056**	**.00270**	**-.00000**	**-.00039**	**77.539**	**.00011**
Stddev	.00018	.00021	.00208	.00234	.00003	.00006	.00017	.053	.00009
%RSD	36.580	1.9958	67.903	.31591	1.2722	1966.8	44.538	.06858	86.128
#1	-.00062	-.01083	.00159	.74221	.00273	.00004	-.00052	77.502	.00004
#2	-.00036	-.01052	.00453	.73890	.00268	-.00005	-.00027	77.577	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00030**	**.00156**	**.02778**	**.80180**	**.06277**	**16.245**	**.37806**	**.00149**
Stddev	.00041	.00012	.00090	.00036	.01909	.00079	.011	.00122	.00016
%RSD	83.963	39.715	57.440	1.3102	2.3804	1.2514	.06556	.32316	10.443
#1	.00020	-.00021	.00220	.02752	.81530	.06222	16.238	.37720	.00138
#2	.00077	-.00038	.00093	.02804	.78831	.06333	16.253	.37893	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **828.21**	**.00153**	**.00282**	**-.00180**	**310.47**	**.00132**	**.01338**	**1.1506**	**-.00022**
Stddev	.92	.00026	.00400	.00036	.30	.00039	.00221	.0226	.00026
%RSD	.11138	16.707	141.61	19.800	.09714	29.147	16.497	1.9667	118.05
#1	827.55	.00171	.00565	-.00155	310.68	.00159	.01182	1.1346	-.00004
#2	828.86	.00135	-.00000	-.00205	310.25	.00105	.01494	1.1666	-.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7095**	**-.00081**	**-.00011**	**.00221**	**.07262**	**.00047**	**.02632**	**.00056**
Stddev	.0014	.00138	.00059	.00089	.01094	.00034	.00013	.00024
%RSD	.05168	170.51	528.73	40.005	15.058	72.090	.50120	42.371
#1	2.7104	-.00179	-.00053	.00159	.08036	.00071	.02623	.00039
#2	2.7085	.00017	.00031	.00284	.06489	.00023	.02641	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4771.6**	**76889.**	**6628.8**
Stddev	8.5	292.	61.9
%RSD	.17780	.37989	.93397
#1	4765.6	77095.	6672.5
#2	4777.6	76682.	6585.0

Sample Name: 280-61866-J-6-B PDS Acquired: 11/16/2014 19:58:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250542 6010C Q4 (Fe)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00626**	**.89577**	**.22110**	**3.4186**	**.12423**	**.05040**	**-.00347**	**380.42**	**.05390**
Stddev	.00007	.00141	.00208	.0013	.00009	.00022	.00325	1.37	.00017
%RSD	1.1319	.15761	.93933	.03757	.07092	.43473	93.705	.36008	.31390
#1	.00631	.89677	.22257	3.4195	.12429	.05056	-.00117	381.39	.05402
#2	.00621	.89477	.21963	3.4177	.12417	.05025	-.00577	379.45	.05378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04996**	**.04791**	**.05790**	**1.0841**	**26.677**	**.43840**	**94.004**	**1.8645**	**.05224**
Stddev	.00022	.00010	.00025	.0026	.147	.00228	.054	.0015	.00041
%RSD	.43618	.21339	.43709	.23811	.55108	.52009	.05768	.08235	.78098
#1	.05011	.04798	.05772	1.0859	26.573	.44001	94.042	1.8656	.05253
#2	.04981	.04784	.05808	1.0822	26.781	.43679	93.965	1.8635	.05196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4074.2**	**.05261**	**2.2937**	**.08960**	**1408.5**	**.09529**	**.31068**	**10.546**	**.08584**
Stddev	.8	.00004	.0250	.00232	2.6	.00004	.00417	.027	.00041
%RSD	.01986	.07003	1.0923	2.5864	.18682	.04104	1.3426	.25873	.47298
#1	4073.6	.05258	2.3114	.09124	1410.3	.09526	.30773	10.526	.08555
#2	4074.7	.05264	2.2760	.08796	1406.6	.09532	.31363	10.565	.08613
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.112**	**.19616**	**.04876**	**.15816**	**.93570**	**.05302**	**.33004**	**.04746**
Stddev	.063	.00301	.00026	.00032	.03706	.00097	.00058	.00106
%RSD	.48167	1.5320	.52974	.20433	3.9602	1.8309	.17679	2.2431
#1	13.157	.19404	.04858	.15794	.96191	.05371	.32962	.04671
#2	13.067	.19829	.04895	.15839	.90950	.05234	.33045	.04822
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.2**	**68477.**	**6456.9**
Stddev	13.9	18.	23.3
%RSD	.32451	.02566	.36116
#1	4279.3	68489.	6440.4
#2	4299.0	68464.	6473.4

Sample Name: ccvh-2982968 Acquired: 11/16/2014 20:02:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00679**	**49.943**	**-.00191**	**.02107**	**-.00011**	**-.00003**	**.94845**	**-.06117**	**-.00048**	**.00139**	**-.00021**	**.00019**	**50.955**
Stddev	.00019	.070	.00041	.00064	.00006	.00006	.00184	.00421	.00004	.00009	.00016	.00012	.018
%RSD	2.7382	.13937	21.603	3.0427	52.791	183.12	.19402	6.8847	8.9716	6.5525	74.542	64.857	.03456
#1	.00666	49.893	-.00221	.02152	-.00007	.00001	.94715	-.05819	-.00045	.00132	-.00032	.00010	50.967
#2	.00693	49.992	-.00162	.02061	-.00015	-.00008	.94975	-.06415	-.00051	.00145	-.00010	.00028	50.943
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23659**	**-.00228**	**.13389**	**-.00297**	**-.00157**	**251.68**	**.00094**	**.00500**	**.00096**	**5.2207**	**.00909**	**.00232**	**-.00257**
Stddev	.00196	.00250	.00190	.00003	.00019	.07	.00041	.00239	.00053	.0080	.00020	.00511	.01434
%RSD	.82898	109.56	1.4205	1.0884	11.879	.02825	43.632	47.919	54.764	.15340	2.2039	220.23	558.67
#1	.23797	-.00404	.13523	-.00295	-.00144	251.73	.00065	.00669	.00133	5.2151	.00924	.00593	-.01271
#2	.23520	-.00051	.13254	-.00300	-.00170	251.63	.00123	.00330	.00059	5.2264	.00895	-.00129	.00757
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00160**	**4.6342**	**-.02413**	**.00285**	**9.4309**	**.00493**	**-.00088**	**-.02105**
Stddev	.00017	.00000	.0132	.00040	.00056	.0110	.00039	.00013	.00151
%RSD	12.656	.16929	.28568	1.6666	19.517	.11635	7.8898	15.052	7.1742
#1	.00143	.00160	4.6248	-.02385	.00246	9.4386	.00520	-.00098	-.01998
#2	.00120	.00160	4.6436	-.02442	.00325	9.4231	.00465	-.00079	-.02211
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4975.0**	**80781.**	**6714.9**
Stddev	10.1	43.	5.5
%RSD	.20306	.05338	.08241
#1	4967.9	80812.	6718.8
#2	4982.2	80751.	6711.0

Sample Name: ccv-2984587 Acquired: 11/16/2014 20:04:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46530**	**.48568**	**.95399**	**.48258**	**.50995**	**.48037**	**.00782**	**4.8371**	**.47877**	**.48390**	**.47242**	**.49132**
Stddev	.00198	.00111	.00117	.00068	.00048	.00039	.00197	.0095	.00046	.00105	.00053	.00020
%RSD	.42605	.22812	.12222	.14121	.09368	.08172	25.199	.19544	.09710	.21727	.11284	.04120
#1	.46670	.48646	.95481	.48306	.50961	.48009	.00643	4.8304	.47910	.48465	.47280	.49118
#2	.46390	.48490	.95316	.48209	.51029	.48065	.00922	4.8437	.47844	.48316	.47204	.49147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4129**	**48.613**	**1.0150**	**18.885**	**.47883**	**.47336**	F **6.1975**	**.49022**	**.92652**	**.96441**	**.43262**	**.92998**
Stddev	.0031	.033	.0010	.013	.00042	.00043	.0041	.00002	.00251	.00110	.00731	.00007
%RSD	.12826	.06847	.09417	.07074	.08705	.09157	.06594	.00452	.27094	.11368	1.6901	.00800
#1	2.4107	48.637	1.0157	18.876	.47912	.47367	6.2004	.49023	.92474	.96364	.43779	.92993
#2	2.4151	48.590	1.0143	18.895	.47854	.47305	6.1946	.49020	.92829	.96519	.42745	.93003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92641**	**4.8270**	**.94180**	**.48947**	**.00933**	**.48314**	**.95826**	**.01719**	**.46783**	**.47634**	**.49227**
Stddev	.00403	.0266	.00062	.00062	.00042	.00011	.00023	.00976	.00082	.00165	.00237
%RSD	.43550	.55105	.06619	.12579	4.5089	.02201	.02397	56.760	.17598	.34711	.48147
#1	.92927	4.8082	.94224	.48904	.00962	.48322	.95810	.02409	.46725	.47517	.49394
#2	.92356	4.8458	.94136	.48991	.00903	.48307	.95843	.01029	.46841	.47751	.49059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5091.8**	**82651.**	**6693.7**
Stddev	21.4	387.	40.5
%RSD	.42004	.46846	.60508
#1	5076.7	82925.	6722.4
#2	5107.0	82377.	6665.1

Sample Name: CCB Acquired: 11/16/2014 20:07:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00077**	**-.00125**	F **.01249**	**-.00046**	**.00003**	**-.00080**	**.00793**	**.00018**	**-.00002**	**-.00056**	**.00045**
Stddev	.00036	.00056	.00013	.00056	.00046	.00007	.00059	.00112	.00000	.00012	.00013	.00010
%RSD	89.365	72.873	10.290	4.4773	99.026	231.71	73.622	14.181	1.8946	535.31	23.387	21.437
#1	.00066	-.00037	-.00116	.01288	-.00078	-.00002	-.00038	.00713	.00018	.00006	-.00047	.00039
#2	.00015	-.00117	-.00134	.01209	-.00014	.00008	-.00121	.00872	.00018	-.00010	-.00066	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00197**	**.02555**	**-.00115**	**.00626**	**.00004**	**.00014**	F **.93283**	**-.00010**	**.00099**	**-.00236**	**.36311**	**-.00107**
Stddev	.00022	.03303	.00206	.00150	.00006	.00055	.02656	.00012	.00054	.00114	.00379	.00060
%RSD	11.410	129.29	178.78	24.030	164.27	394.98	2.8470	119.12	54.080	48.508	1.0443	56.011
#1	.00213	.00219	-.00260	.00732	-.00001	.00053	.95161	-.00002	.00061	-.00317	.36580	-.00149
#2	.00181	.04890	.00030	.00519	.00008	-.00025	.91405	-.00019	.00137	-.00155	.36043	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.01224**	**-.00012**	**.00029**	**-.00170**	**-.00005**	**.00073**	**.00636**	**.00010**	**-.00033**	**.00031**
Stddev	.00190	.00035	.00031	.00002	.00095	.00004	.00143	.01563	.00039	.00028	.00101
%RSD	209.24	2.8304	270.63	7.9619	56.066	80.957	196.41	245.92	400.88	85.363	328.88
#1	-.00225	.01199	.00011	.00027	-.00103	-.00002	.00174	-.00470	.00038	-.00013	-.00041
#2	.00044	.01248	-.00034	.00031	-.00238	-.00008	-.00028	.01741	-.00018	-.00052	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5153.5**	**83766.**	**6636.5**
Stddev	6.6	532.	71.2
%RSD	.12873	.63473	1.0733
#1	5158.1	83390.	6586.2
#2	5148.8	84142.	6686.9

Sample Name: CCVL2994263 Acquired: 11/16/2014 20:09:48 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00952**	**.10650**	**.01611**	**.10941**	**.01071**	**.00098**	**.10837**	**.21901**	**.00530**	**.01052**	**.00981**	**.01602**
Stddev	.00025	.00139	.00328	.00002	.00002	.00002	.00268	.00236	.00005	.00021	.00017	.00049
%RSD	2.6258	1.3020	20.346	.01570	.19193	2.4708	2.4699	1.0768	.96909	1.9741	1.6934	3.0846
#1	.00935	.10749	.01843	.10940	.01069	.00100	.10648	.22068	.00526	.01037	.00993	.01567
#2	.00970	.10552	.01379	.10942	.01072	.00097	.11027	.21734	.00534	.01066	.00969	.01637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10367**	**3.2627**	**.00947**	**.21366**	**.01051**	**.02054**	F **1.8290**	**.04278**	**2.8809**	W **.00719**	**.29400**	**.01111**
Stddev	.00184	.0411	.00032	.00048	.00007	.00040	.0117	.00019	.0006	.00123	.00620	.00098
%RSD	1.7703	1.2599	3.3447	.22357	.64025	1.9287	.64157	.44548	.02107	17.137	2.1095	8.8524
#1	.10497	3.2917	.00969	.21400	.01046	.02082	1.8373	.04292	2.8804	.00806	.29839	.01181
#2	.10237	3.2336	.00924	.21332	.01056	.02026	1.8207	.04265	2.8813	.00632	.28962	.01042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value							1.0000			.00900		
Range							30.000%			-20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01295**	**.50874**	**.10131**	**.01081**	**.01456**	**.01023**	**.01713**	F **.03825**	**.00972**	**.02090**	**.01511**
Stddev	.00396	.00471	.00077	.00008	.00157	.00004	.00026	.05640	.00026	.00081	.00042
%RSD	30.567	.92653	.75900	.71853	10.779	.39045	1.5279	147.45	2.7171	3.8592	2.7516
#1	.01575	.51208	.10076	.01076	.01567	.01026	.01694	.07813	.00991	.02033	.01540
#2	.01015	.50541	.10185	.01087	.01345	.01020	.01731	-.00163	.00953	.02147	.01481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5188.6**	**84373.**	**6643.9**
Stddev	7.1	175.	10.3
%RSD	.13651	.20759	.15546
#1	5183.5	84497.	6636.5
#2	5193.6	84249.	6651.2

Sample Name: LB 280-252565/1-B Acquired: 11/16/2014 20:12:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/13 Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00243**	**.00034**	F **.05220**	W **.00603**	**-.00010**	**-.00011**	F **.38726**	**.00008**
Stddev	.00007	.00089	.00280	.00007	.00007	.00008	.00259	.00014	.00009
%RSD	41.095	36.833	817.73	.13275	1.1574	87.955	2419.8	.03531	111.27
#1	.00023	.00306	-.00164	.05225	.00598	-.00015	-.00194	.38736	.00015
#2	.00013	.00179	.00232	.05215	.00608	-.00004	.00172	.38717	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.01000	.00500			.20000	
Low Limit				-.01000	-.00500			-.20000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00004**	**.00346**	**.00248**	**.20785**	**-.00029**	W **.06245**	**.00045**	**.00039**
Stddev	.00015	.00010	.00029	.00076	.08028	.00061	.00189	.00003	.00024
%RSD	217.10	237.79	8.4013	30.714	38.624	210.58	3.0317	6.7530	59.845
#1	-.00017	-.00003	.00366	.00194	.15108	-.00072	.06379	.00043	.00056
#2	.00004	.00011	.00325	.00301	.26461	.00014	.06111	.00047	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							.05000		
Low Limit							-.05000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**304.50**	**.00032**	W **.00610**	F **.00340**	**.35258**	**.00169**	**.00061**	**.00725**	**-.00022**
Stddev	.58	.00002	.00110	.00109	.00649	.00078	.00224	.00275	.00053
%RSD	.19190	7.0724	18.084	32.092	1.8407	46.226	368.59	37.882	242.61
#1	304.92	.00030	.00688	.00417	.35717	.00224	-.00098	.00920	-.00059
#2	304.09	.00033	.00532	.00263	.34799	.00114	.00220	.00531	.00016
Check ?	None	Chk Pass	Chk Warn	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500	.00300					
Low Limit			-.00500	-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00165**	**.00016**	**-.00127**	**.03487**	**-.00070**	**.00496**	**.00065**
Stddev	.00010	.00063	.00027	.00208	.01094	.00062	.00010	.00057
%RSD	11.983	38.420	168.00	164.55	31.368	88.419	2.0677	88.853
#1	.00073	-.00210	.00035	-.00274	.04260	-.00026	.00504	.00105
#2	.00086	-.00120	-.00003	.00021	.02714	-.00114	.00489	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4947.3**	**80572.**	**6800.6**
Stddev	8.3	83.	11.3
%RSD	.16779	.10324	.16645
#1	4941.4	80631.	6808.6
#2	4953.2	80513.	6792.6

Sample Name: LCS 280-252565/2-B Acquired: 11/16/2014 20:15:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20881**	**.40067**	**.80691**	F **.24499**	**2.5792**	**.01014**	**.40170**	**10.481**	**.22326**
Stddev	.00022	.00014	.00811	.00042	.0034	.00002	.00298	.016	.00029
%RSD	.10689	.03416	1.0046	.17258	.12995	.23079	.74166	.15200	.12988
#1	.20896	.40058	.80118	.24470	2.5816	.01016	.39959	10.492	.22346
#2	.20865	.40077	.81265	.24529	2.5769	.01013	.40381	10.470	.22305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.24000					
Low Limit				.16000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09991**	**1.0160**	**.46754**	**.20291**	**10.517**	**.21504**	**9.5046**	**.09969**	**.20128**
Stddev	.00024	.0000	.00129	.00071	.056	.00199	.0086	.00010	.00033
%RSD	.23742	.00357	.27607	.34939	.53157	.92552	.09065	.09979	.16605
#1	.09974	1.0160	.46845	.20342	10.556	.21363	9.5107	.09962	.20152
#2	.10008	1.0160	.46663	.20241	10.477	.21644	9.4985	.09976	.20105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **329.06**	**.10146**	**2.0802**	**1.0852**	**.69101**	**.09246**	**.60554**	F **1.9900**	**.37875**
Stddev	.35	.00034	.0007	.0022	.00754	.00419	.00182	.0129	.00191
%RSD	.10597	.33438	.03451	.20303	1.0917	4.5357	.30044	.64858	.50343
#1	329.31	.10122	2.0807	1.0837	.69634	.08949	.60683	1.9991	.37740
#2	328.82	.10170	2.0797	1.0868	.68567	.09542	.60425	1.9808	.38010
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	12.000							.48000	
Low Limit	8.0000							.32000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20788**	**.19095**	**.19733**	**.37731**	**.35538**	**.09871**	**.50357**	**.09934**
Stddev	.00004	.00073	.00011	.00240	.00432	.00029	.00069	.00106
%RSD	.01828	.38353	.05775	.63516	1.2142	.29801	.13661	1.0714
#1	.20791	.19146	.19725	.37901	.35233	.09892	.50405	.09858
#2	.20786	.19043	.19741	.37562	.35843	.09851	.50308	.10009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4942.4**	**80612.**	**6808.9**
Stddev	7.1	190.	29.9
%RSD	.14419	.23623	.43924
#1	4947.5	80747.	6787.7
#2	4937.4	80478.	6830.0

Sample Name: 280-62344-A-1-C Acquired: 11/16/2014 20:17:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.02338**	**.00413**	**.07807**	**.23200**	**.00012**	**.00133**	**45.286**	**.00023**
Stddev	.00009	.00028	.00384	.00016	.00021	.00006	.00103	.098	.00016
%RSD	22.795	1.2055	93.148	.21098	.09194	47.791	77.587	.21732	69.040
#1	-.00033	.02318	.00141	.07819	.23215	.00008	.00205	45.356	.00034
#2	-.00045	.02358	.00685	.07796	.23185	.00016	.00060	45.217	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02183**	**-.00009**	**.00515**	**.14413**	**1.1675**	**-.00048**	**3.2481**	**.45533**	**.00009**
Stddev	.00001	.00027	.00010	.00183	.0823	.00190	.0123	.00092	.00033
%RSD	.06029	317.33	1.9357	1.2681	7.0492	397.02	.37783	.20217	363.51
#1	.02182	-.00028	.00508	.14284	1.1093	-.00182	3.2568	.45598	.00032
#2	.02183	.00011	.00522	.14542	1.2257	.00086	3.2394	.45468	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**319.42**	**.01953**	**.00488**	**.01044**	**.87146**	**.00262**	**.00131**	**.91174**	**.00098**
Stddev	.77	.00001	.00188	.00325	.00379	.00047	.00305	.00969	.00180
%RSD	.23969	.04020	38.414	31.188	.43504	17.975	233.07	1.0630	184.31
#1	319.96	.01952	.00621	.01274	.87414	.00295	-.00085	.91859	.00225
#2	318.88	.01953	.00356	.00813	.86878	.00228	.00346	.90488	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16016**	**-.00150**	**-.00010**	**.00139**	**.02656**	**.00017**	**.00636**	**-.00003**
Stddev	.00031	.00070	.00002	.00076	.00836	.00048	.00020	.00242
%RSD	.19626	46.669	18.161	54.792	31.490	284.29	3.1737	7963.2
#1	.16038	-.00100	-.00009	.00085	.03248	.00051	.00622	-.00174
#2	.15994	-.00199	-.00011	.00193	.02065	-.00017	.00651	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4965.0**	**80610.**	**6816.5**
Stddev	24.4	75.	11.1
%RSD	.49195	.09285	.16228
#1	4947.7	80663.	6824.4
#2	4982.2	80557.	6808.7

Sample Name: 280-62344-A-2-C Acquired: 11/16/2014 20:20:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.03099**	**.00259**	**.11987**	**.13918**	**.00008**	**.00021**	**35.427**	**.00029**
Stddev	.00024	.00068	.00048	.00036	.00028	.00003	.00131	.071	.00002
%RSD	157.75	2.2064	18.596	.29807	.19970	32.405	611.13	.20048	5.4357
#1	.00002	.03051	.00293	.12012	.13938	.00006	-.00071	35.477	.00028
#2	-.00032	.03148	.00225	.11961	.13899	.00010	.00114	35.377	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02510**	**.00055**	**.00461**	**.16859**	**.95215**	**.00108**	**2.9722**	**.48984**	**.00022**
Stddev	.00042	.00009	.00006	.00007	.00783	.00128	.0175	.00218	.00008
%RSD	1.6761	16.920	1.3606	.04081	.82197	118.75	.58920	.44404	36.996
#1	.02480	.00061	.00465	.16854	.95768	.00199	2.9845	.49137	.00017
#2	.02539	.00048	.00456	.16864	.94661	.00017	2.9598	.48830	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**310.02**	**.01388**	**.00396**	**-.00004**	**.55082**	**.00234**	**.00159**	**1.0008**	**.00074**
Stddev	.74	.00007	.00340	.00258	.00504	.00048	.00095	.0070	.00093
%RSD	.24002	.48981	85.797	7257.2	.91584	20.689	59.783	.70230	125.02
#1	310.55	.01393	.00636	.00179	.55438	.00199	.00227	.99579	.00009
#2	309.50	.01383	.00156	-.00186	.54725	.00268	.00092	1.0057	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15294**	**-.00226**	**.00005**	**.02157**	**.00493**	**-.00030**	**.00791**	**-.00120**
Stddev	.00050	.00041	.00001	.00061	.01389	.00026	.00054	.00084
%RSD	.32851	18.030	20.576	2.8071	281.58	87.367	6.8028	70.442
#1	.15330	-.00255	.00006	.02115	.01475	-.00012	.00829	-.00180
#2	.15259	-.00197	.00004	.02200	-.00489	-.00049	.00753	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4974.9**	**81002.**	**6887.7**
Stddev	.5	522.	23.9
%RSD	.01041	.64381	.34695
#1	4974.5	80634.	6870.8
#2	4975.3	81371.	6904.5

Sample Name: 280-62344-A-3-C Acquired: 11/16/2014 20:23:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.01169**	**.00128**	**.07797**	**.10277**	**.00007**	**.00105**	**51.543**	**.00018**
Stddev	.00042	.00027	.00577	.00033	.00010	.00004	.00056	.036	.00007
%RSD	771.71	2.3172	449.60	.42006	.10148	54.544	53.693	.06919	39.016
#1	.00024	.01189	-.00279	.07774	.10270	.00010	.00145	51.518	.00022
#2	-.00035	.01150	.00536	.07821	.10285	.00005	.00065	51.568	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01942**	**.00192**	**.00309**	**.05713**	**.93663**	**.00220**	**2.8793**	**.56807**	**.00094**
Stddev	.00013	.00001	.00015	.00030	.01570	.00043	.0002	.00031	.00034
%RSD	.66632	.55198	4.8930	.51919	1.6767	19.413	.00718	.05379	36.432
#1	.01951	.00193	.00320	.05692	.92552	.00190	2.8792	.56785	.00070
#2	.01933	.00191	.00298	.05734	.94773	.00251	2.8795	.56828	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**317.67**	**.01532**	**.00380**	**-.00108**	**.64743**	**.00112**	**-.00198**	**.98033**	**.00038**
Stddev	.02	.00028	.00029	.00167	.00411	.00047	.00285	.01157	.00004
%RSD	.00695	1.8064	7.6175	154.95	.63408	41.728	143.66	1.1797	11.190
#1	317.68	.01552	.00401	.00010	.65033	.00145	-.00400	.98851	.00035
#2	317.65	.01513	.00360	-.00226	.64452	.00079	.00003	.97215	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16107**	**-.00021**	**-.00020**	**.00035**	**-.01273**	**-.00060**	**.00925**	**-.00055**
Stddev	.00027	.00221	.00025	.00041	.02771	.00002	.00024	.00028
%RSD	.16673	1056.2	125.79	117.30	217.71	3.8713	2.5854	51.306
#1	.16088	.00135	-.00037	.00063	-.03232	-.00059	.00942	-.00074
#2	.16126	-.00177	-.00002	.00006	.00687	-.00062	.00908	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4953.1**	**80581.**	**6830.4**
Stddev	19.0	193.	23.8
%RSD	.38414	.23992	.34815
#1	4939.6	80445.	6813.6
#2	4966.5	80718.	6847.2

Sample Name: 280-62344-A-4-C Acquired: 11/16/2014 20:26:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.01613**	**.00191**	**.09637**	**.06972**	**.00013**	**.00039**	**37.589**	**.00026**
Stddev	.00021	.00098	.00027	.00099	.00023	.00000	.00030	.002	.00001
%RSD	247.44	6.0479	14.018	1.0285	.33599	2.8634	77.049	.00405	2.4595
#1	.00006	.01682	.00210	.09567	.06955	.00013	.00060	37.590	.00027
#2	-.00024	.01544	.00172	.09707	.06988	.00013	.00018	37.588	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01631**	**-.00025**	**.00444**	**.04922**	**.72190**	**-.00108**	**2.4412**	**.41723**	**.00025**
Stddev	.00012	.00012	.00058	.00082	.03949	.00085	.0051	.00036	.00004
%RSD	.71697	47.031	13.157	1.6659	5.4706	79.090	.20934	.08572	16.113
#1	.01639	-.00033	.00403	.04979	.69398	-.00048	2.4448	.41698	.00023
#2	.01622	-.00016	.00485	.04864	.74983	-.00168	2.4376	.41749	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**272.80**	**.01092**	**.01000**	**-.00161**	**.50203**	**.00162**	**.00234**	**2.2001**	**-.00057**
Stddev	.66	.00005	.00055	.00042	.00050	.00058	.00617	.0084	.00014
%RSD	.24018	.42500	5.5292	25.942	.09944	35.908	263.78	.38247	23.859
#1	272.33	.01095	.01040	-.00131	.50168	.00121	-.00202	2.2060	-.00047
#2	273.26	.01088	.00961	-.00190	.50239	.00203	.00670	2.1941	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13408**	**-.00179**	**.00023**	**.00201**	**-.01122**	**.00027**	**.00662**	**.00074**
Stddev	.00000	.00163	.00001	.00169	.02020	.00004	.00012	.00106
%RSD	.00352	91.178	2.3695	83.958	180.12	14.095	1.8364	142.86
#1	.13408	-.00295	.00023	.00321	.00307	.00024	.00671	-.00001
#2	.13408	-.00064	.00024	.00082	-.02550	.00030	.00653	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4984.2**	**81478.**	**6905.2**
Stddev	7.6	183.	8.9
%RSD	.15280	.22487	.12870
#1	4978.9	81348.	6911.5
#2	4989.6	81607.	6898.9

Sample Name: 280-62344-A-5-C Acquired: 11/16/2014 20:28:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00189**	**.00370**	**.04706**	**.40083**	**-.00002**	**.00207**	**164.99**	**.00030**
Stddev	.00042	.00074	.00354	.00006	.00090	.00002	.00174	.20	.00012
%RSD	291.98	38.999	95.666	.12368	.22412	111.07	84.083	.12157	39.672
#1	.00044	.00241	.00620	.04710	.40019	-.00000	.00330	164.85	.00021
#2	-.00015	.00137	.00120	.04702	.40146	-.00004	.00084	165.13	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00026**	**.00173**	**.00136**	**.54731**	**-.00165**	**3.9574**	**.09678**	**-.00012**
Stddev	.00017	.00008	.00027	.00158	.04911	.00062	.0019	.00002	.00043
%RSD	140.56	32.358	15.843	115.79	8.9721	37.744	.04765	.01771	358.61
#1	.00024	-.00031	.00153	.00025	.51259	-.00121	3.9588	.09679	-.00043
#2	.00000	-.00020	.00192	.00248	.58203	-.00209	3.9561	.09677	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**311.59**	**.00190**	**.00572**	**-.00126**	**.21081**	**.00307**	**-.00116**	**.43198**	**-.00018**
Stddev	.90	.00006	.00182	.00041	.00344	.00039	.00722	.00205	.00036
%RSD	.28954	3.3737	31.769	32.505	1.6308	12.636	623.80	.47449	207.17
#1	310.95	.00195	.00700	-.00097	.20838	.00334	-.00626	.43053	.00008
#2	312.22	.00186	.00443	-.00156	.21324	.00279	.00395	.43343	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29083**	**-.00195**	**-.00002**	**.00108**	**.03364**	**-.00004**	**.00272**	**.00184**
Stddev	.00016	.00200	.00009	.00073	.02353	.00029	.00030	.00138
%RSD	.05484	102.42	389.45	67.433	69.938	722.19	11.015	75.206
#1	.29094	-.00054	-.00009	.00057	.01701	.00016	.00293	.00281
#2	.29071	-.00336	.00004	.00160	.05028	-.00024	.00251	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4894.9**	**80346.**	**6894.4**
Stddev	7.6	91.	12.1
%RSD	.15588	.11364	.17562
#1	4889.5	80411.	6903.0
#2	4900.3	80282.	6885.9

Sample Name: 280-62344-A-6-C Acquired: 11/16/2014 20:31:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00021**	**.00364**	**.04634**	**.42425**	**-.00006**	**.00123**	**154.96**	**.00023**
Stddev	.00023	.00074	.00265	.00042	.00110	.00002	.00043	.26	.00009
%RSD	149.13	348.85	72.691	.89773	.25878	38.990	35.221	.16703	38.559
#1	.00001	.00073	.00551	.04663	.42503	-.00004	.00154	155.14	.00030
#2	-.00032	-.00031	.00177	.04605	.42348	-.00007	.00092	154.78	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00014**	**.00138**	**.00345**	**.37124**	**-.00315**	**4.2467**	**.12222**	**-.00014**
Stddev	.00014	.00032	.00040	.00182	.02610	.00019	.0102	.00046	.00009
%RSD	250.68	231.41	28.990	52.693	7.0316	6.0925	.23969	.37634	62.893
#1	-.00004	.00036	.00110	.00473	.35278	-.00302	4.2396	.12190	-.00008
#2	.00016	-.00009	.00167	.00216	.38969	-.00329	4.2539	.12255	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**297.39**	**.00244**	**.00155**	**-.00232**	**.24712**	**.00151**	W **-.00683**	**.46604**	**.00009**
Stddev	.12	.00016	.00329	.00067	.00283	.00128	.00431	.00214	.00045
%RSD	.03927	6.5070	212.10	28.939	1.1441	84.476	63.073	.45996	511.73
#1	297.31	.00256	-.00077	-.00185	.24912	.00061	-.00379	.46453	-.00023
#2	297.48	.00233	.00387	-.00280	.24512	.00242	-.00988	.46756	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29919**	**-.00094**	**-.00018**	**.00135**	**-.02624**	**.00005**	**.00595**	**.00102**
Stddev	.00040	.00373	.00016	.00249	.01739	.00034	.00016	.00040
%RSD	.13433	397.48	85.534	184.62	66.245	710.63	2.7729	39.787
#1	.29947	.00170	-.00029	-.00041	-.03854	.00028	.00583	.00130
#2	.29890	-.00358	-.00007	.00311	-.01395	-.00019	.00607	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4889.1**	**80284.**	**6889.9**
Stddev	4.4	357.	20.6
%RSD	.09069	.44513	.29919
#1	4885.9	80537.	6875.3
#2	4892.2	80031.	6904.4

Sample Name: 280-62344-A-7-C Acquired: 11/16/2014 20:34:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00161**	**.00534**	**.04022**	**.44018**	**.00001**	**-.00103**	**177.67**	**.00006**
Stddev	.00044	.00008	.00228	.00041	.00092	.00007	.00144	.06	.00008
%RSD	29467.	4.8423	42.730	1.0263	.20829	824.63	139.33	.03500	122.40
#1	.00031	-.00166	.00373	.04052	.44083	.00006	-.00002	177.71	.00001
#2	-.00031	-.00155	.00696	.03993	.43953	-.00004	-.00205	177.62	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00001**	**.00208**	**.00820**	**.36755**	**-.00208**	**4.2176**	**.03698**	**.00051**
Stddev	.00022	.00010	.00076	.00264	.06688	.00066	.0068	.00005	.00027
%RSD	115.49	1047.8	36.565	32.183	18.195	31.597	.16217	.13647	52.321
#1	.00035	.00008	.00154	.01006	.32026	-.00255	4.2128	.03694	.00032
#2	.00004	-.00006	.00262	.00633	.41484	-.00162	4.2224	.03701	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**332.35**	**.00164**	**-.00007**	**-.00176**	**.13909**	**.00322**	**-.00206**	**.86202**	**-.00079**
Stddev	1.01	.00031	.00398	.00072	.00096	.00254	.00176	.01324	.00060
%RSD	.30255	18.811	5546.7	41.165	.69050	78.743	85.591	1.5358	76.101
#1	333.06	.00142	-.00289	-.00124	.13841	.00143	-.00330	.87138	-.00122
#2	331.64	.00186	.00274	-.00227	.13977	.00501	-.00081	.85266	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34462**	**-.00195**	**-.00023**	**.00090**	**-.00916**	**-.00023**	**.00182**	**-.00017**
Stddev	.00122	.00000	.00010	.00044	.01305	.00029	.00059	.00011
%RSD	.35367	.01542	41.851	48.730	142.53	124.70	32.648	64.683
#1	.34549	-.00195	-.00016	.00059	.00007	-.00003	.00224	-.00009
#2	.34376	-.00195	-.00030	.00121	-.01838	-.00043	.00140	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4860.4**	**79689.**	**6767.8**
Stddev	6.5	153.	42.6
%RSD	.13274	.19175	.62909
#1	4865.0	79797.	6797.9
#2	4855.8	79581.	6737.7

Sample Name: 280-62344-A-8-C Acquired: 11/16/2014 20:37:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00123**	**.00350**	**.05838**	**.47649**	**-.00005**	**-.00023**	**139.74**	**.00018**
Stddev	.00051	.00050	.00088	.00025	.00026	.00001	.00149	.03	.00028
%RSD	183.16	40.525	25.264	.42930	.05366	21.660	649.65	.02348	155.76
#1	.00008	.00088	.00412	.05821	.47667	-.00004	-.00129	139.76	.00037
#2	-.00064	.00159	.00287	.05856	.47631	-.00006	.00083	139.71	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00001**	**.00259**	**.00631**	**.37518**	**-.00111**	**4.5917**	**.07880**	**.00011**
Stddev	.00013	.00013	.00041	.00174	.01743	.00118	.0057	.00005	.00017
%RSD	43.995	2141.1	15.764	27.564	4.6449	105.99	.12368	.06273	159.73
#1	.00020	.00008	.00288	.00508	.38750	-.00194	4.5957	.07884	-.00001
#2	.00038	-.00009	.00230	.00754	.36285	-.00028	4.5876	.07877	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**323.40**	**.00309**	**.00125**	**-.00217**	**.27241**	**.00099**	**-.00222**	**.70125**	**-.00030**
Stddev	.28	.00019	.00119	.00143	.00824	.00135	.00082	.03689	.00089
%RSD	.08624	6.1416	95.081	66.132	3.0245	136.04	36.792	5.2607	294.38
#1	323.21	.00322	.00209	-.00115	.27823	.00194	-.00164	.72734	.00033
#2	323.60	.00295	.00041	-.00318	.26658	.00004	-.00280	.67517	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41995**	**-.00249**	**.00007**	**.00048**	**.00511**	**-.00001**	**.00439**	**.00015**
Stddev	.00043	.00048	.00079	.00166	.01038	.00008	.00095	.00051
%RSD	.10358	19.460	1076.3	349.59	203.02	621.50	21.648	344.51
#1	.42026	-.00215	.00063	.00165	-.00223	-.00007	.00506	-.00021
#2	.41964	-.00283	-.00048	-.00070	.01245	.00004	.00372	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4876.6**	**79518.**	**6736.5**
Stddev	7.7	65.	15.3
%RSD	.15844	.08234	.22680
#1	4871.1	79564.	6725.7
#2	4882.1	79471.	6747.3

Sample Name: ccvh-2982968 Acquired: 11/16/2014 20:40:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00693**	**50.113**	**-.00073**	**.00463**	**.00052**	**-.00009**	**.96193**	**-.06702**	**-.00027**	**.00165**	**-.00038**	**-.00005**	**51.005**
Stddev	.00012	.093	.00134	.00043	.00009	.00009	.00149	.00198	.00008	.00009	.00012	.00032	.046
%RSD	1.6928	.18467	184.22	9.2791	17.108	106.15	.15496	2.9554	28.564	5.6803	31.980	696.89	.08933
#1	.00701	50.048	.00022	.00493	.00058	-.00015	.96088	-.06562	-.00022	.00171	-.00030	.00018	51.038
#2	.00685	50.179	-.00168	.00433	.00045	-.00002	.96298	-.06842	-.00033	.00158	-.00047	-.00028	50.973
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06294**	**-.00200**	**.13125**	**-.00300**	**-.00158**	**250.55**	**.00063**	**.00519**	**.00018**	**4.8828**	**.00833**	**.00170**	**-.01563**
Stddev	.02889	.00083	.00130	.00001	.00018	.99	.00064	.00093	.00050	.0089	.00229	.00203	.00542
%RSD	45.904	41.518	.98773	.36994	11.256	.39341	101.36	17.992	268.75	.18202	27.505	119.49	34.655
#1	.04251	-.00141	.13217	-.00299	-.00171	249.86	.00108	.00585	-.00017	4.8765	.00671	.00314	-.01946
#2	.08337	-.00259	.13034	-.00301	-.00146	251.25	.00018	.00453	.00054	4.8890	.00995	.00026	-.01180
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00166**	**.00057**	**4.6616**	**-.02428**	**.00204**	**9.4907**	**.00445**	**-.00084**	**-.02284**
Stddev	.00033	.00009	.0077	.00038	.00113	.0740	.00003	.00007	.00276
%RSD	19.979	16.256	.16499	1.5544	55.235	.77982	.66828	8.4122	12.070
#1	.00190	.00051	4.6670	-.02455	.00124	9.4383	.00443	-.00079	-.02479
#2	.00143	.00064	4.6561	-.02401	.00284	9.5430	.00447	-.00089	-.02089
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5018.9**	**81400.**	**6747.3**
Stddev	4.9	154.	36.3
%RSD	.09748	.18878	.53755
#1	5022.3	81509.	6773.0
#2	5015.4	81292.	6721.7

Sample Name: ccv-2984587 Acquired: 11/16/2014 20:42:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46876**	**.48985**	**.95978**	**.47564**	**.50640**	**.48115**	**.00841**	**4.8424**	**.48079**	**.48393**	**.47457**	**.48984**	**2.4283**	**48.369**
Stddev	.00047	.00055	.00504	.00075	.00091	.00145	.00087	.0071	.00023	.00027	.00044	.00055	.0075	.053
%RSD	.09993	.11256	.52539	.15685	.17891	.30166	10.327	.14618	.04874	.05606	.09202	.11191	.30958	.10881
#1	.46909	.48946	.96334	.47617	.50704	.48217	.00903	4.8474	.48095	.48374	.47488	.49022	2.4337	48.407
#2	.46843	.49024	.95621	.47511	.50576	.48012	.00780	4.8374	.48062	.48412	.47426	.48945	2.4230	48.332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0143**	**18.867**	**.47705**	**.47516**	**5.4227**	**.49005**	**.93945**	**.96717**	**.05027**	**.94291**	**.93700**	**4.8091**	**.94764**	**.48930**
Stddev	.0024	.007	.00099	.00063	.0124	.00062	.00026	.00103	.00053	.00085	.00685	.0200	.00129	.00115
%RSD	.23345	.03627	.20714	.13185	.22924	.12557	.02720	.10665	1.0502	.09020	.73090	.41697	.13609	.23476
#1	1.0159	18.862	.47635	.47561	5.4315	.49048	.93927	.96790	.04989	.94351	.94185	4.8233	.94673	.49011
#2	1.0126	18.872	.47775	.47472	5.4139	.48961	.93963	.96644	.05064	.94231	.93216	4.7949	.94855	.48849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00820**	**.48134**	**.96168**	**.02291**	**.46738**	**.47178**	**.49066**
Stddev	.00071	.00077	.00024	.02350	.00002	.00020	.00174
%RSD	8.6267	.15966	.02513	102.57	.00426	.04146	.35491
#1	.00870	.48080	.96185	.03953	.46739	.47164	.49189
#2	.00770	.48189	.96151	.00629	.46737	.47192	.48943
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5142.3**	**83658.**	**6826.0**
Stddev	1.4	33.	28.5
%RSD	.02636	.03890	.41812
#1	5143.2	83635.	6846.2
#2	5141.3	83681.	6805.9

Sample Name: CCB Acquired: 11/16/2014 20:45:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00159**	**-.00194**	F **.00385**	**-.00039**	**.00005**	**-.00131**	**.00454**	**.00025**	**-.00025**	**-.00050**	**.00022**
Stddev	.00015	.00010	.00429	.00063	.00007	.00001	.00265	.00344	.00011	.00005	.00001	.00002
%RSD	79.058	6.3290	221.51	16.469	17.246	26.069	201.94	75.635	43.693	19.068	2.9188	9.6510
#1	.00030	-.00152	-.00497	.00429	-.00044	.00006	-.00319	.00697	.00033	-.00028	-.00049	.00024
#2	.00008	-.00167	.00110	.00340	-.00034	.00004	.00056	.00211	.00017	-.00021	-.00052	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.02176**	**-.00138**	**.00567**	**.00003**	**.00056**	F **.35171**	**-.00037**	**.00047**	**-.00151**	**.04699**	**.00181**
Stddev	.00081	.04788	.00194	.00261	.00004	.00090	.00926	.00016	.00191	.00232	.00046	.00025
%RSD	55.765	220.08	140.88	45.983	133.26	160.95	2.6338	43.991	406.24	153.49	.98258	13.792
#1	.00202	.05561	-.00276	.00383	.00000	.00120	.35826	-.00048	.00182	.00013	.04667	.00199
#2	.00088	-.01210	-.00001	.00751	.00006	-.00008	.34516	-.00025	-.00088	-.00316	.04732	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**-.00391**	**.00016**	**.00009**	**-.00110**	**.00008**	**.00065**	**-.00397**	**-.00041**	**-.00010**	**.00055**
Stddev	.00152	.00995	.00018	.00013	.00157	.00011	.00034	.00009	.00023	.00031	.00180
%RSD	76.124	254.65	108.26	147.10	142.26	131.62	51.620	2.1577	56.148	303.53	326.47
#1	.00092	-.01095	.00004	.00017	-.00221	.00001	.00089	-.00391	-.00025	.00012	-.00072
#2	.00306	.00313	.00029	-.00000	.00001	.00016	.00041	-.00403	-.00057	-.00032	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5195.8**	**85056.**	**6812.4**
Stddev	.1	63.	1.5
%RSD	.00098	.07396	.02260
#1	5195.9	85011.	6811.3
#2	5195.8	85100.	6813.5

Sample Name: CCVL2994263 Acquired: 11/16/2014 20:47:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**.10621**	**.01410**	**.10288**	**.01069**	**.00108**	**.10888**	**.21173**	**.00534**	**.01038**	**.00964**	**.01668**
Stddev	.00020	.00010	.00160	.00006	.00008	.00009	.00171	.00121	.00013	.00017	.00012	.00024
%RSD	1.8701	.09483	11.339	.05681	.78837	8.2348	1.5695	.57120	2.4935	1.5914	1.2299	1.4578
#1	.01035	.10628	.01524	.10292	.01063	.00114	.10767	.21258	.00543	.01027	.00955	.01651
#2	.01063	.10614	.01297	.10284	.01075	.00102	.11009	.21087	.00524	.01050	.00972	.01685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10187**	**3.1448**	**.00879**	**.21499**	**.01044**	**.02021**	F **1.4019**	**.04272**	**2.9014**	**.00773**	**.04033**	**.01006**
Stddev	.00002	.0359	.00068	.00110	.00009	.00014	.0034	.00003	.0035	.00082	.00169	.00119
%RSD	.02286	1.1409	7.7161	.51071	.85226	.68194	.23891	.06234	.12165	10.631	4.1910	11.837
#1	.10189	3.1195	.00927	.21577	.01051	.02031	1.3995	.04270	2.9039	.00831	.03913	.00922
#2	.10186	3.1702	.00831	.21422	.01038	.02012	1.4043	.04274	2.8989	.00715	.04152	.01090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01611**	**.49958**	**.10194**	**.01058**	**.01374**	**.00998**	**.01647**	W **.07328**	**.00987**	**.02033**	**.01594**
Stddev	.00385	.01208	.00112	.00002	.00100	.00028	.00055	.02606	.00016	.00063	.00152
%RSD	23.914	2.4189	1.0963	.21339	7.3117	2.8524	3.3390	35.556	1.6182	3.1124	9.5404
#1	.01339	.49103	.10115	.01059	.01445	.00978	.01686	.05486	.00998	.02078	.01702
#2	.01884	.50812	.10273	.01056	.01303	.01018	.01608	.09171	.00975	.01988	.01487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5257.7**	**85712.**	**6920.5**
Stddev	6.6	214.	27.9
%RSD	.12593	.24997	.40355
#1	5262.4	85561.	6900.7
#2	5253.0	85864.	6940.2

Sample Name: 280-62344-A-9-C Acquired: 11/16/2014 20:50:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00319**	**.00277**	**.03966**	**.43858**	**-.00004**	**-.00245**	**164.19**	**.00016**
Stddev	.00017	.00051	.00373	.00032	.00116	.00002	.00098	.42	.00011
%RSD	115.65	16.061	134.80	.81224	.26481	41.693	40.152	.25728	67.443
#1	.00003	.00282	.00013	.03943	.43941	-.00003	-.00175	164.49	.00023
#2	.00027	.00355	.00540	.03989	.43776	-.00005	-.00314	163.89	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00011**	**.00159**	**.00855**	**.24795**	**-.00109**	**4.7411**	**.03032**	**.00021**
Stddev	.00014	.00003	.00044	.00206	.02657	.00088	.0069	.00006	.00030
%RSD	601.74	28.146	27.969	24.073	10.715	81.237	.14650	.19738	146.46
#1	-.00012	-.00013	.00127	.01001	.26673	-.00171	4.7461	.03036	-.00001
#2	.00008	-.00009	.00190	.00710	.22916	-.00046	4.7362	.03028	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**318.86**	**.00219**	**.00125**	**-.00215**	**.20508**	**.00249**	W **-.00558**	**.78947**	**.00067**
Stddev	1.07	.00013	.00292	.00033	.00591	.00096	.00238	.00380	.00133
%RSD	.33658	6.0801	233.77	15.430	2.8815	38.587	42.555	.48083	197.35
#1	319.62	.00209	-.00082	-.00239	.20926	.00181	-.00726	.79216	-.00027
#2	318.10	.00228	.00332	-.00192	.20091	.00317	-.00390	.78679	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53015**	**.00039**	**-.00028**	**.00246**	**.01417**	**.00047**	**.00264**	**.00048**
Stddev	.00121	.00023	.00013	.00164	.03175	.00011	.00016	.00172
%RSD	.22855	59.209	46.954	66.652	224.12	23.709	6.1886	355.54
#1	.53100	.00023	-.00038	.00363	.03662	.00039	.00252	-.00073
#2	.52929	.00055	-.00019	.00130	-.00828	.00055	.00275	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4858.3**	**79517.**	**6754.8**
Stddev	4.9	469.	48.6
%RSD	.10074	.58969	.71894
#1	4861.8	79186.	6720.4
#2	4854.8	79849.	6789.1

Sample Name: 280-62344-A-10-C Acquired: 11/16/2014 20:53:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.01841**	**-.00061**	**.08206**	**.24245**	**.00013**	**.00003**	**41.379**	**.00021**
Stddev	.00034	.00024	.00222	.00022	.00026	.00003	.00092	.013	.00004
%RSD	125.93	1.3254	365.07	.26595	.10774	24.387	3690.9	.03149	18.120
#1	.00003	.01858	.00096	.08221	.24227	.00015	-.00063	41.370	.00019
#2	.00051	.01823	-.00218	.08190	.24264	.00011	.00068	41.388	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00009**	**.00453**	**.05704**	**.25671**	**-.00122**	**3.0180**	**.04147**	**.00020**
Stddev	.00012	.00006	.00053	.00061	.01719	.00073	.0037	.00007	.00011
%RSD	45.740	64.987	11.730	1.0731	6.6983	59.652	.12294	.16252	53.463
#1	.00018	.00013	.00416	.05660	.26886	-.00173	3.0154	.04152	.00013
#2	.00035	.00005	.00491	.05747	.24455	-.00070	3.0206	.04143	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**301.50**	**.00232**	**.00574**	**-.00137**	**.24778**	**.00197**	**-.00185**	**1.5367**	**-.00014**
Stddev	.02	.00036	.00061	.00045	.00595	.00371	.00337	.0147	.00033
%RSD	.00693	15.495	10.660	32.650	2.3996	187.81	181.91	.95614	242.39
#1	301.49	.00206	.00531	-.00169	.25198	.00460	.00053	1.5263	.00010
#2	301.52	.00257	.00617	-.00106	.24358	-.00065	-.00424	1.5471	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20208**	**-.00064**	**-.00010**	**.00315**	**-.02845**	**.00010**	**.00683**	**-.00091**
Stddev	.00017	.00293	.00010	.00097	.01152	.00024	.00027	.00047
%RSD	.08399	460.65	94.638	30.846	40.512	234.69	3.9257	51.915
#1	.20220	.00144	-.00017	.00246	-.03660	.00028	.00702	-.00057
#2	.20196	-.00271	-.00003	.00383	-.02030	-.00007	.00664	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4953.8**	**80942.**	**6813.9**
Stddev	11.8	13.	20.9
%RSD	.23803	.01546	.30679
#1	4962.2	80933.	6828.7
#2	4945.5	80951.	6799.1

Sample Name: 280-62344-A-10-CSD@5 Acquired: 11/16/2014 20:56:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00460**	**.00313**	**.01827**	**.04897**	**-.00001**	**.00053**	**8.3634**	**.00027**
Stddev	.00022	.00034	.00217	.00070	.00001	.00011	.00022	.0169	.00018
%RSD	125.46	7.4795	69.413	3.8403	.02765	1718.2	41.751	.20245	65.032
#1	-.00033	.00485	.00159	.01877	.04896	-.00008	.00069	8.3515	.00015
#2	-.00002	.00436	.00467	.01778	.04898	.00007	.00037	8.3754	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00038**	**.00110**	**.01194**	**.02189**	**-.00245**	**.64038**	**.00840**	**.00017**
Stddev	.00021	.00026	.00015	.00013	.01709	.00101	.00313	.00001	.00007
%RSD	133.01	68.973	14.011	1.0644	78.061	41.097	.48938	.14070	39.560
#1	-.00001	-.00056	.00099	.01203	.00981	-.00317	.63816	.00841	.00012
#2	-.00031	-.00019	.00121	.01185	.03398	-.00174	.64259	.00840	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.216**	**.00065**	**.00173**	**-.00102**	**.07490**	**.00070**	**.00129**	**.30778**	**.00011**
Stddev	.161	.00025	.00078	.00070	.00372	.00054	.00097	.01669	.00066
%RSD	.25880	38.332	45.014	69.095	4.9667	76.528	74.692	5.4212	618.19
#1	62.329	.00047	.00228	-.00152	.07753	.00032	.00198	.31957	-.00036
#2	62.102	.00083	.00118	-.00052	.07227	.00108	.00061	.29598	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04081**	**.00010**	**-.00011**	**.00067**	**-.00953**	**-.00001**	**.00137**	**-.00072**
Stddev	.00005	.00103	.00009	.00067	.00021	.00020	.00047	.00140
%RSD	.11754	1021.2	78.212	98.863	2.2524	1744.3	34.597	193.16
#1	.04077	.00083	-.00005	.00115	-.00938	-.00015	.00170	-.00171
#2	.04084	-.00063	-.00017	.00020	-.00968	.00013	.00103	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5150.6**	**84703.**	**6812.9**
Stddev	2.9	256.	44.3
%RSD	.05631	.30215	.65055
#1	5148.5	84884.	6844.2
#2	5152.6	84522.	6781.6

Sample Name: 280-62344-A-10-D MS Acquired: 11/16/2014 20:58:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.21117**	**.42405**	**.82084**	**.27958**	**2.8592**	**.01058**	**.41157**	**52.687**	**.22678**
Stddev	.00045	.00063	.00161	.00038	.0063	.00006	.00176	.052	.00027
%RSD	.21541	.14884	.19623	.13751	.22173	.59665	.42811	.09965	.11785
#1	.21149	.42361	.82198	.27931	2.8637	.01053	.41032	52.725	.22659
#2	.21085	.42450	.81970	.27985	2.8547	.01062	.41281	52.650	.22696
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10102**	**1.0356**	**.47750**	**.21604**	**10.876**	**.21888**	**12.682**	**.14374**	**.20466**
Stddev	.00044	.0005	.00000	.00333	.002	.00353	.025	.00004	.00031
%RSD	.43381	.04968	.00093	1.5391	.02067	1.6123	.19814	.02747	.15160
#1	.10133	1.0360	.47749	.21839	10.874	.22138	12.700	.14371	.20487
#2	.10071	1.0352	.47750	.21369	10.877	.21639	12.664	.14377	.20444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**318.43**	**.10377**	**2.1399**	**1.0924**	**.64242**	**.09331**	**.61924**	**3.6122**	**.38239**
Stddev	.41	.00063	.0123	.0007	.00039	.00261	.00180	.0078	.00079
%RSD	.12750	.61030	.57510	.06277	.06110	2.7932	.29032	.21566	.20530
#1	318.72	.10421	2.1486	1.0929	.64214	.09146	.62052	3.6177	.38183
#2	318.15	.10332	2.1312	1.0919	.64270	.09515	.61797	3.6067	.38294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41769**	**.19476**	**.19900**	**.38363**	**.40664**	**.10128**	**.50756**	**.09965**
Stddev	.00064	.00247	.00071	.00217	.01039	.00026	.00046	.00142
%RSD	.15381	1.2678	.35477	.56571	2.5559	.25928	.09103	1.4203
#1	.41814	.19302	.19950	.38517	.39929	.10109	.50788	.10066
#2	.41724	.19651	.19851	.38210	.41399	.10147	.50723	.09865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4916.4**	**80553.**	**6817.4**
Stddev	5.2	155.	36.7
%RSD	.10511	.19243	.53891
#1	4912.8	80443.	6791.4
#2	4920.1	80662.	6843.4

Sample Name: 280-62344-A-10-E MSD Acquired: 11/16/2014 21:01:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21227	.42237	.81948	.27867	2.8396	.01045	.41095	52.333	.22651
Stddev	.00086	.00033	.00039	.00002	.0051	.00007	.00264	.121	.00033
%RSD	.40407	.07732	.04757	.00812	.17863	.63414	.64308	.23151	.14522
#1	.21288	.42213	.81976	.27865	2.8432	.01050	.41282	52.419	.22674
#2	.21167	.42260	.81921	.27869	2.8360	.01040	.40908	52.247	.22628
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10137	1.0354	.47741	.21051	10.876	.21635	12.695	.14266	.20447
Stddev	.00029	.0007	.00099	.00078	.043	.00096	.013	.00000	.00042
%RSD	.28280	.06591	.20804	.37077	.39876	.44159	.09859	.00201	.20369
#1	.10157	1.0349	.47811	.20995	10.907	.21702	12.704	.14266	.20476
#2	.10117	1.0359	.47671	.21106	10.845	.21567	12.686	.14266	.20417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	316.59	.10348	2.1377	1.0909	.62645	.09323	.61310	3.5746	.38123
Stddev	.54	.00010	.0044	.0001	.00993	.00157	.00011	.0089	.00118
%RSD	.16929	.09925	.20377	.01250	1.5858	1.6839	.01847	.24792	.30983
#1	316.96	.10355	2.1346	1.0910	.63348	.09434	.61302	3.5809	.38207
#2	316.21	.10341	2.1407	1.0908	.61943	.09212	.61318	3.5683	.38040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41416	.19500	.19963	.38232	.41237	.10176	.50949	.09977
Stddev	.00093	.00156	.00056	.00174	.00235	.00032	.00172	.00158
%RSD	.22454	.79964	.28133	.45389	.56910	.31323	.33710	1.5803
#1	.41481	.19611	.20003	.38355	.41403	.10199	.50828	.10088
#2	.41350	.19390	.19924	.38109	.41071	.10154	.51071	.09865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4935.5	80688.	6878.0
Stddev	1.7	86.	2.2
%RSD	.03366	.10603	.03250
#1	4934.3	80627.	6879.6
#2	4936.7	80748.	6876.4

Sample Name: 280-62344-A-10-C PDS Acquired: 11/16/2014 21:03:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B Q4 tclp (Ag)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04013**	**.94542**	**.19577**	**.17599**	**.34033**	**.04911**	**-.00035**	**59.789**	**.04849**
Stddev	.00104	.00012	.00497	.00001	.00028	.00012	.00405	.049	.00001
%RSD	2.5847	.01291	2.5382	.00658	.08342	.23816	1170.0	.08136	.01493
#1	.04087	.94550	.19928	.17598	.34054	.04902	-.00321	59.754	.04849
#2	.03940	.94533	.19226	.17599	.34013	.04919	.00252	59.823	.04850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04738**	**.04717**	**.05425**	**.96925**	**20.054**	**.10321**	**20.867**	**.08744**	**.04775**
Stddev	.00029	.00007	.00016	.00252	.068	.00236	.017	.00003	.00033
%RSD	.62074	.14838	.28903	.25950	.34061	2.2903	.08247	.03952	.70065
#1	.04718	.04722	.05437	.97103	20.006	.10154	20.879	.08746	.04798
#2	.04759	.04712	.05414	.96747	20.102	.10489	20.855	.08741	.04751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**314.17**	**.05021**	**2.0000**	**.09198**	**.22927**	**.09374**	**.19294**	**6.3472**	**.09196**
Stddev	.71	.00025	.0034	.00040	.00214	.00302	.00280	.0015	.00066
%RSD	.22741	.49119	.16916	.43489	.93209	3.2242	1.4516	.02358	.71488
#1	313.66	.05004	1.9976	.09226	.22776	.09588	.19492	6.3482	.09243
#2	314.67	.05039	2.0024	.09170	.23078	.09160	.19096	6.3461	.09150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24728**	**.18248**	**.04748**	**.17961**	**.46726**	**.04848**	**.19731**	**.05040**
Stddev	.00053	.00191	.00025	.00070	.00457	.00020	.00017	.00162
%RSD	.21544	1.0471	.53090	.39022	.97880	.41352	.08668	3.2066
#1	.24765	.18113	.04766	.17911	.46403	.04834	.19718	.05154
#2	.24690	.18383	.04730	.18010	.47049	.04862	.19743	.04926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4928.6**	**80362.**	**6757.8**
Stddev	2.6	88.	35.7
%RSD	.05304	.10913	.52787
#1	4926.8	80300.	6783.0
#2	4930.5	80424.	6732.6

Sample Name: ccvh-2982968 Acquired: 11/16/2014 21:06:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00741**	**49.836**	**.00073**	**.00416**	**.00004**	**-.00002**	**.96001**	**-.08986**	**-.00042**	**.00141**	**-.00044**	**-.00002**	**50.756**
Stddev	.00050	.098	.00189	.00069	.00000	.00002	.00101	.00069	.00019	.00007	.00018	.00034	.075
%RSD	6.7528	.19629	260.54	16.477	2.6038	135.77	.10553	.76822	45.111	5.3109	41.646	1578.1	.14730
#1	.00706	49.767	.00206	.00465	.00004	-.00000	.96073	-.09035	-.00029	.00136	-.00031	-.00026	50.808
#2	.00776	49.905	-.00061	.00368	.00004	-.00004	.95929	-.08937	-.00056	.00146	-.00057	.00022	50.703
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02829**	**-.00022**	**.13008**	**-.00305**	**-.00164**	**249.13**	**.00072**	**.00220**	**.00069**	**4.8383**	**.00745**	**-.00019**	**.00213**
Stddev	.02610	.00420	.00030	.00005	.00015	.58	.00013	.00005	.00039	.0017	.00391	.00280	.02426
%RSD	92.258	1952.4	.22682	1.4773	8.8595	.23326	17.567	2.5014	56.533	.03574	52.436	1442.3	1136.9
#1	.00983	-.00319	.12987	-.00308	-.00154	248.72	.00063	.00224	.00041	4.8395	.00469	.00178	.01929
#2	.04674	.00276	.13029	-.00302	-.00174	249.54	.00081	.00216	.00096	4.8370	.01021	-.00217	-.01502
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00060**	**4.6368**	**-.02410**	**.00179**	**9.3734**	**.00420**	**-.00032**	**-.02253**
Stddev	.00009	.00008	.0059	.00011	.00355	.0156	.00034	.00035	.00180
%RSD	7.8351	12.886	.12723	.46981	198.40	.16626	8.1074	110.46	7.9821
#1	.00123	.00055	4.6410	-.02418	.00430	9.3845	.00396	-.00007	-.02125
#2	.00110	.00065	4.6327	-.02402	-.00072	9.3624	.00445	-.00057	-.02380
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5056.5**	**82224.**	**6883.8**
Stddev	5.8	47.	20.7
%RSD	.11406	.05765	.30020
#1	5060.6	82191.	6869.2
#2	5052.4	82258.	6898.4

Sample Name: ccv-2984587 Acquired: 11/16/2014 21:09:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46574**	**.48887**	**.95901**	**.47514**	**.50870**	**.48027**	**.00934**	**4.8207**	**.48129**	**.48304**	**.47272**	**.49137**	**2.4248**	**48.156**
Stddev	.00078	.00231	.00286	.00022	.00168	.00117	.00095	.0333	.00090	.00078	.00073	.00057	.0107	.167
%RSD	.16733	.47166	.29779	.04732	.33123	.24403	10.155	.69013	.18634	.16237	.15402	.11509	.44072	.34581
#1	.46629	.49050	.95699	.47498	.50750	.47944	.00867	4.7972	.48193	.48359	.47221	.49097	2.4173	48.038
#2	.46519	.48724	.96103	.47530	.50989	.48110	.01001	4.8443	.48066	.48248	.47324	.49177	2.4324	48.274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0149**	**18.809**	**.47659**	**.47459**	**5.3447**	**.48967**	**.93693**	**.96549**	**.01578**	**.94071**	**.93914**	**4.7853**	**.94607**	**.48848**
Stddev	.0025	.042	.00031	.00025	.0146	.00015	.00018	.00099	.00038	.00061	.00291	.0335	.00130	.00113
%RSD	.24472	.22520	.06409	.05302	.27371	.02973	.01906	.10265	2.3821	.06464	.31016	.70057	.13758	.23180
#1	1.0132	18.839	.47681	.47477	5.3343	.48957	.93680	.96479	.01551	.94114	.94120	4.7616	.94699	.48768
#2	1.0167	18.779	.47638	.47441	5.3550	.48977	.93705	.96619	.01605	.94028	.93708	4.8090	.94515	.48928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00822**	**.48155**	**.96408**	**.04732**	**.46750**	**.47137**	**.49176**
Stddev	.00130	.00073	.00040	.03021	.00019	.00131	.00337
%RSD	15.853	.15124	.04188	63.844	.03996	.27759	.68551
#1	.00914	.48206	.96379	.02596	.46737	.47229	.48937
#2	.00730	.48103	.96437	.06868	.46763	.47044	.49414
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.8**	**83766.**	**6844.9**
Stddev	19.9	196.	43.2
%RSD	.38516	.23457	.63185
#1	5179.9	83627.	6875.5
#2	5151.7	83905.	6814.3

Sample Name: CCB Acquired: 11/16/2014 21:11:44 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.01184**	**.00267**	**.00035**	W **-.00072**	**.00003**	**.00505**	**.00448**	**.00002**	**-.00030**	**.00003**
Stddev	.00033	.00062	.00286	.00033	.00010	.00005	.00078	.00797	.00010	.00012	.00002
%RSD	85.194	5.1959	107.29	92.425	13.556	166.46	15.401	178.04	412.01	41.087	90.526
#1	-.00015	-.01141	.00064	.00012	-.00065	.00006	.00450	.01011	-.00005	-.00038	.00001
#2	-.00062	-.01228	.00469	.00058	-.00078	-.00001	.00559	-.00116	.00010	-.00021	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00279**	**.00039**	**-.10234**	F **-.00585**	**.00218**	**.00002**	**.00009**	W **.13788**	**.00076**	**-.00346**	**-.00128**
Stddev	.00027	.00384	.02019	.00010	.00286	.00005	.00003	.08094	.00026	.00111	.00009
%RSD	9.6907	980.19	19.730	1.7707	131.00	236.82	29.901	58.702	34.596	32.126	6.6997
#1	-.00298	.00311	-.08806	-.00592	.00420	.00006	.00007	.19511	.00094	-.00267	-.00122
#2	-.00260	-.00232	-.11662	-.00578	.00016	-.00001	.00011	.08065	.00057	-.00424	-.00134
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00522				.09160			
Low Limit	-.00272			-.00522				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01708**	**.00017**	**.00026**	**-.00181**	**.00007**	**.00017**	**.00336**	**.00044**	**.00367**	**-.00227**	**-.00041**
Stddev	.00404	.00130	.00445	.00560	.00001	.00026	.00082	.00004	.00002	.01597	.00012
%RSD	23.623	781.94	1725.3	310.11	18.525	153.26	24.542	8.1149	.60887	704.40	28.824
#1	.01994	.00108	-.00289	.00215	.00006	.00036	.00278	.00047	.00366	.00903	-.00049
#2	.01423	-.00075	.00341	-.00577	.00008	-.00001	.00394	.00042	.00369	-.01356	-.00032
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00063**	**.00106**
Stddev	.00004	.00125
%RSD	5.9732	118.40
#1	-.00061	.00195
#2	-.00066	.00017
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**10502.**	**160460.**	**11259.**
Stddev	91.	18955.	204.
%RSD	.87032	11.813	1.8104
#1	10438.	173860.	11403.
#2	10567.	147060.	11115.

Sample Name: CCVL2994263 Acquired: 11/16/2014 21:14:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01044**	**.10677**	**.01439**	**.10230**	**.01041**	**.00108**	**.10998**	**.20917**	**.00539**	**.01042**	**.00983**	**.01671**
Stddev	.00058	.00009	.00834	.00074	.00007	.00002	.00046	.00474	.00014	.00002	.00013	.00008
%RSD	5.5316	.08542	57.947	.72482	.63736	1.5331	.42184	2.2672	2.6626	.16074	1.2924	.48936
#1	.01003	.10683	.02028	.10177	.01046	.00109	.11031	.20581	.00529	.01044	.00974	.01677
#2	.01084	.10670	.00849	.10282	.01036	.00107	.10965	.21252	.00550	.01041	.00991	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10426**	**3.1017**	**.01018**	**.21462**	**.01055**	**.02024**	F **1.3464**	**.04304**	**2.9114**	**.00848**	**.02364**	**.01102**
Stddev	.00055	.0297	.00083	.00274	.00008	.00011	.0100	.00015	.0035	.00082	.00156	.00115
%RSD	.52931	.95815	8.1787	1.2773	.77726	.55959	.74477	.34411	.11878	9.6848	6.5974	10.473
#1	.10387	3.0807	.00959	.21656	.01049	.02032	1.3394	.04293	2.9139	.00790	.02253	.01184
#2	.10465	3.1227	.01077	.21268	.01061	.02016	1.3535	.04314	2.9090	.00906	.02474	.01021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01383**	**.50900**	**.10302**	**.01061**	**.01301**	**.01015**	**.01685**	F **.10719**	**.01005**	**.02045**	**.01376**
Stddev	.00453	.00996	.00061	.00002	.00080	.00025	.00102	.02824	.00041	.00003	.00188
%RSD	32.753	1.9574	.59235	.18312	6.1274	2.4472	6.0605	26.349	4.1175	.16552	13.663
#1	.01703	.51604	.10259	.01062	.01357	.00997	.01758	.12716	.01034	.02047	.01243
#2	.01063	.50195	.10345	.01059	.01244	.01032	.01613	.08721	.00976	.02043	.01509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5205.8**	**84750.**	**6907.7**
Stddev	20.0	21.	45.2
%RSD	.38367	.02434	.65481
#1	5220.0	84764.	6939.7
#2	5191.7	84735.	6875.7

Sample Name: 280-61905-H-1-B Acquired: 11/16/2014 21:17:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/6 Custom ID2: Custom ID3:
Comment: 250664 6010C Q4 (Al)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.37002**	**.00455**	**1.3646**	**.07827**	**-.00002**	**-.00143**	**30.468**	**.00005**
Stddev	.00014	.00417	.00508	.0062	.00055	.00001	.00020	.038	.00017
%RSD	75.484	1.1267	111.46	.45276	.70088	42.769	14.087	.12529	380.76
#1	-.00008	.36707	.00814	1.3602	.07789	-.00002	-.00129	30.441	.00017
#2	-.00027	.37296	.00096	1.3690	.07866	-.00003	-.00158	30.495	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00011**	**.00342**	**.16744**	**.77210**	**.08292**	**7.4611**	**.18265**	**.01292**
Stddev	.00021	.00012	.00042	.00246	.08905	.00193	.0092	.00019	.00017
%RSD	74.639	105.31	12.191	1.4710	11.533	2.3225	.12384	.10382	1.3529
#1	.00013	.00019	.00313	.16918	.70913	.08156	7.4677	.18279	.01279
#2	.00042	.00003	.00372	.16570	.83506	.08429	7.4546	.18252	.01304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **936.53**	**.00136**	**.04293**	**-.00063**	**170.32**	**-.00065**	**-.00020**	**5.5552**	**-.00054**
Stddev	2.33	.00011	.00156	.00025	.77	.00049	.00080	.0232	.00027
%RSD	.24868	7.9342	3.6265	39.002	.45198	75.366	396.18	.41838	50.064
#1	934.88	.00143	.04403	-.00046	169.78	-.00100	-.00077	5.5717	-.00035
#2	938.18	.00128	.04183	-.00081	170.87	-.00030	.00037	5.5388	-.00073
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93118**	**-.00005**	**.01575**	**.00096**	**.05635**	**.00511**	**.01004**	**.00052**
Stddev	.00073	.00145	.00363	.00225	.00918	.00050	.00052	.00327
%RSD	.07851	2875.3	23.050	235.72	16.286	9.8181	5.1596	628.78
#1	.93066	.00098	.01318	.00255	.04986	.00547	.00968	-.00179
#2	.93169	-.00108	.01831	-.00064	.06284	.00476	.01041	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4793.4**	**76447.**	**6735.3**
Stddev	21.9	328.	3.3
%RSD	.45590	.42866	.04969
#1	4808.8	76216.	6737.7
#2	4777.9	76679.	6733.0

Sample Name: 280-61905-B-2-B Acquired: 11/16/2014 21:20:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.22878**	**.00188**	**1.3579**	**.01656**	**.00000**	**-.00212**	**3.5721**	**.00005**
Stddev	.00011	.00393	.00041	.0031	.00008	.00006	.00068	.0159	.00000
%RSD	58.897	1.7182	21.898	.23101	.46156	1352.9	32.284	.44564	3.3398
#1	-.00011	.23156	.00159	1.3601	.01662	-.00004	-.00163	3.5609	.00005
#2	-.00026	.22600	.00217	1.3557	.01651	.00004	-.00260	3.5834	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00014**	**.00240**	**.09813**	**.83563**	**.21560**	**.50571**	**.01328**	**.01191**
Stddev	.00023	.00010	.00036	.00061	.01842	.00036	.00038	.00002	.00005
%RSD	246.18	73.401	14.936	.62282	2.2042	.16724	.07553	.14243	.39264
#1	-.00007	.00021	.00266	.09769	.82260	.21535	.50544	.01329	.01194
#2	.00025	.00007	.00215	.09856	.84865	.21586	.50598	.01327	.01187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**425.64**	**.00067**	**.03158**	**.00060**	**151.63**	**.00065**	**-.00112**	**10.872**	**.00072**
Stddev	1.92	.00012	.00095	.00012	.56	.00182	.00305	.070	.00025
%RSD	.45004	18.368	3.0139	19.486	.37149	280.09	271.90	.64313	34.171
#1	424.29	.00076	.03225	.00068	152.03	.00194	.00104	10.822	.00090
#2	426.99	.00059	.03091	.00052	151.23	-.00064	-.00328	10.921	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98850**	**-.00170**	**.00561**	**.00076**	**.03508**	**.00013**	**.10281**	**-.00001**
Stddev	.00314	.00061	.00035	.00007	.04889	.00029	.00059	.00035
%RSD	.31741	35.742	6.1869	9.6723	139.40	233.30	.57682	3151.2
#1	.98628	-.00213	.00536	.00071	.00050	-.00008	.10323	.00024
#2	.99072	-.00127	.00585	.00081	.06965	.00033	.10239	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4915.8**	**79873.**	**6771.2**
Stddev	25.6	170.	21.2
%RSD	.52026	.21295	.31340
#1	4933.9	79753.	6786.2
#2	4897.7	79994.	6756.2

Sample Name: 280-61905-F-5-B Acquired: 11/16/2014 21:22:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.02278**	**.00482**	**.84757**	**.01818**	**-.00004**	**.00134**	**3.2869**	**.00001**
Stddev	.00030	.00018	.00193	.00014	.00028	.00002	.00074	.0032	.00027
%RSD	474.89	.77649	40.078	.01686	1.5223	62.257	55.301	.09812	3500.2
#1	.00027	.02265	.00345	.84747	.01799	-.00002	.00187	3.2846	.00020
#2	-.00015	.02290	.00619	.84767	.01838	-.00005	.00082	3.2892	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00009**	**.00653**	**.05456**	**.65294**	**.22582**	**.38245**	**.01310**	**.05352**
Stddev	.00024	.00013	.00018	.00071	.01414	.00042	.00241	.00008	.00020
%RSD	598.30	147.20	2.7197	1.2998	2.1652	.18436	.62926	.62900	.36784
#1	-.00013	-.00018	.00640	.05506	.64294	.22553	.38415	.01304	.05366
#2	.00021	.00000	.00665	.05406	.66293	.22612	.38075	.01316	.05338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**443.56**	**.00160**	**.01540**	**-.00103**	**110.44**	**-.00079**	**.00030**	**4.0184**	**-.00078**
Stddev	.20	.00004	.00526	.00048	.08	.00026	.00502	.0237	.00002
%RSD	.04430	2.5212	34.146	46.403	.06993	33.441	1671.2	.58983	1.9401
#1	443.42	.00163	.01168	-.00137	110.38	-.00097	.00385	4.0017	-.00076
#2	443.70	.00157	.01912	-.00069	110.49	-.00060	-.00325	4.0352	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52095**	**-.00140**	**.00002**	**.00011**	**.04569**	**.00019**	**.00301**	**.00066**
Stddev	.00105	.00052	.00014	.00038	.03988	.00027	.00032	.00191
%RSD	.20210	37.039	595.86	339.89	87.281	140.72	10.662	290.63
#1	.52169	-.00177	-.00008	-.00016	.01749	.00038	.00323	.00201
#2	.52020	-.00103	.00012	.00039	.07389	.00000	.00278	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4881.6**	**79221.**	**6626.9**
Stddev	5.7	447.	48.0
%RSD	.11648	.56444	.72401
#1	4885.6	78905.	6660.8
#2	4877.5	79537.	6593.0

Sample Name: 280-61905-F-6-B Acquired: 11/16/2014 21:25:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00852**	**.00211**	**1.1280**	**.02452**	**-.00007**	**-.00198**	**19.373**	**.00001**
Stddev	.00008	.00023	.00202	.0026	.00012	.00004	.00108	.027	.00011
%RSD	29.650	2.6589	95.792	.22896	.47299	56.136	54.587	.14102	1127.9
#1	.00033	.00836	.00068	1.1262	.02460	-.00010	-.00274	19.354	-.00007
#2	.00022	.00868	.00354	1.1298	.02444	-.00004	-.00122	19.392	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00073**	**.00452**	**.00659**	**.51057**	**.11657**	**3.5503**	**.00037**	**.00612**
Stddev	.00012	.00002	.00002	.00023	.04425	.00016	.0024	.00003	.00025
%RSD	143.69	2.6560	.52180	3.4575	8.6660	.13503	.06896	7.4416	4.0648
#1	-.00000	.00071	.00451	.00643	.54186	.11669	3.5486	.00035	.00629
#2	.00017	.00074	.00454	.00675	.47928	.11646	3.5520	.00039	.00594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **584.03**	**.00067**	**.01997**	**-.00030**	**108.44**	**.00111**	**.01151**	**4.8358**	**-.00002**
Stddev	.75	.00002	.00190	.00131	.09	.00088	.00108	.0190	.00012
%RSD	.12813	3.7218	9.5247	441.55	.08568	79.373	9.3413	.39338	517.04
#1	583.50	.00065	.01863	.00063	108.38	.00049	.01075	4.8492	-.00011
#2	584.56	.00069	.02132	-.00123	108.51	.00174	.01227	4.8223	.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60301**	**-.00030**	**.00048**	**.00105**	**.06458**	**.00254**	**.00907**	**.00024**
Stddev	.00047	.00028	.00005	.00044	.01486	.00035	.00061	.00121
%RSD	.07812	93.667	9.3072	42.175	23.005	13.742	6.6822	505.27
#1	.60268	-.00010	.00045	.00074	.05407	.00279	.00949	.00110
#2	.60334	-.00050	.00052	.00137	.07508	.00230	.00864	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4819.8**	**77818.**	**6660.9**
Stddev	4.2	336.	14.7
%RSD	.08638	.43182	.22077
#1	4816.9	78055.	6650.5
#2	4822.8	77580.	6671.3

Sample Name: 280-61905-D-7-B Acquired: 11/16/2014 21:28:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00932**	**.00186**	**1.1106**	**.02421**	**-.00001**	**.00069**	**19.092**	**.00004**
Stddev	.00003	.00042	.00022	.0008	.00036	.00000	.00365	.091	.00010
%RSD	15.353	4.4911	11.991	.07591	1.4747	3.0381	530.91	.47816	235.67
#1	-.00020	.00902	.00202	1.1100	.02446	-.00001	-.00189	19.156	.00011
#2	-.00025	.00961	.00170	1.1112	.02396	-.00001	.00327	19.027	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00070**	**.00170**	**.01781**	**.52334**	**.11689**	**3.4977**	**.00032**	**.00559**
Stddev	.00012	.00028	.00018	.00269	.01905	.00291	.0073	.00003	.00005
%RSD	1903.4	40.340	10.322	15.132	3.6409	2.4866	.20857	8.7247	.81492
#1	.00009	.00090	.00182	.01971	.50986	.11895	3.5028	.00034	.00562
#2	-.00008	.00050	.00157	.01590	.53681	.11484	3.4925	.00030	.00555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **575.14**	**.00044**	**.02070**	**-.00049**	**106.48**	**.00196**	**.00879**	**4.7763**	**-.00023**
Stddev	2.08	.00023	.00522	.00052	.12	.00078	.00080	.0264	.00006
%RSD	.36247	52.011	25.234	105.72	.11114	39.929	9.1039	.55205	25.902
#1	576.62	.00028	.02439	-.00086	106.56	.00141	.00935	4.7949	-.00027
#2	573.67	.00061	.01700	-.00012	106.39	.00252	.00822	4.7576	-.00018
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59295**	**-.00108**	**.00032**	**.00225**	**.08808**	**.00209**	**.00877**	**-.00008**
Stddev	.00155	.00177	.00011	.00171	.02167	.00039	.00081	.00022
%RSD	.26172	163.88	35.527	76.195	24.602	18.841	9.2722	289.95
#1	.59404	.00017	.00040	.00104	.10340	.00181	.00934	-.00023
#2	.59185	-.00233	.00024	.00346	.07276	.00236	.00819	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4808.3**	**77862.**	**6618.1**
Stddev	12.5	138.	84.3
%RSD	.26096	.17669	1.2730
#1	4817.2	77764.	6558.5
#2	4799.4	77959.	6677.7

Sample Name: 280-61905-F-8-B Acquired: 11/16/2014 21:31:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.06482**	**.00121**	**3.0658**	**.00866**	**-.00002**	**-.00171**	**317.59**	**.00040**
Stddev	.00015	.00081	.00093	.0366	.00013	.00010	.00023	1.95	.00016
%RSD	29.476	1.2502	77.087	1.1928	1.5361	422.28	13.664	.61441	41.382
#1	-.00041	.06540	.00187	3.0916	.00876	.00005	-.00154	316.21	.00051
#2	-.00062	.06425	.00055	3.0399	.00857	-.00009	-.00187	318.97	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00004**	**.00317**	**1.6457**	**4.5598**	**.38480**	**76.224**	**.27295**	**.00382**
Stddev	.00033	.00008	.00001	.0162	.0945	.00082	.137	.00029	.00017
%RSD	44.891	193.71	.45514	.98236	2.0724	.21240	.17926	.10669	4.3268
#1	.00097	-.00002	.00316	1.6571	4.4929	.38422	76.321	.27275	.00394
#2	.00050	.00010	.00318	1.6342	4.6266	.38538	76.128	.27316	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4147.2**	**.00236**	**.01474**	**-.00068**	**1862.8**	**.00171**	**.01233**	**4.2386**	**-.00201**
Stddev	8.8	.00001	.00000	.00221	20.1	.00131	.00070	.0212	.00126
%RSD	.21148	.21271	.01871	323.93	1.0802	76.840	5.6833	.49933	62.914
#1	4153.4	.00236	.01474	.00088	1877.0	.00078	.01183	4.2536	-.00290
#2	4141.0	.00236	.01474	-.00225	1848.6	.00264	.01282	4.2236	-.00111
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.469**	**-.00245**	**.00051**	**.00002**	**.24512**	**.00181**	**.00699**	**.00028**
Stddev	.010	.00200	.00016	.00195	.01076	.00060	.00035	.00255
%RSD	.06242	81.582	32.162	8285.1	4.3912	33.270	4.9764	899.26
#1	15.462	-.00104	.00063	.00140	.25273	.00138	.00723	.00208
#2	15.476	-.00386	.00040	-.00135	.23751	.00223	.00674	-.00152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4291.0**	**68904.**	**6484.0**
Stddev	25.9	9.	24.9
%RSD	.60450	.01338	.38410
#1	4272.6	68897.	6501.6
#2	4309.3	68910.	6466.4

Sample Name: 280-61905-A-9-B Acquired: 11/16/2014 21:34:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.03085**	**-.00183**	**.67342**	**.05964**	**-.00005**	**-.00253**	**89.600**	**.00033**
Stddev	.00012	.00021	.00006	.00216	.00023	.00002	.00157	.013	.00007
%RSD	186.51	.69208	3.0876	.32091	.38263	39.325	62.067	.01443	20.166
#1	-.00015	.03100	-.00179	.67495	.05980	-.00006	-.00364	89.591	.00028
#2	.00002	.03070	-.00187	.67189	.05948	-.00003	-.00142	89.609	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00046**	**.00125**	**.44221**	**1.2996**	**.04788**	**26.603**	**.36264**	**.00180**
Stddev	.00034	.00019	.00005	.00131	.0630	.00180	.005	.00023	.00001
%RSD	110.14	41.683	4.2477	.29566	4.8485	3.7499	.01916	.06342	.83176
#1	.00054	.00032	.00129	.44314	1.3442	.04662	26.606	.36280	.00179
#2	.00007	.00059	.00121	.44129	1.2551	.04915	26.599	.36247	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**333.84**	**.00110**	**.45338**	**-.00199**	**151.42**	**.00195**	W **-.00637**	**5.7674**	**-.00101**
Stddev	.67	.00020	.00344	.00058	.72	.00116	.00067	.0046	.00101
%RSD	.19929	17.801	.75928	29.083	.47574	59.523	10.531	.08031	99.913
#1	334.31	.00124	.45582	-.00240	151.93	.00277	-.00589	5.7707	-.00173
#2	333.37	.00096	.45095	-.00158	150.92	.00113	-.00684	5.7642	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4711**	**-.00171**	**.00091**	**.00040**	**-.00327**	**.00117**	**.04360**	**.00021**
Stddev	.0020	.00169	.00019	.00006	.03995	.00024	.00005	.00083
%RSD	.08221	98.755	20.551	14.032	1220.9	20.802	.11757	403.37
#1	2.4725	-.00052	.00078	.00044	-.03152	.00100	.04357	.00079
#2	2.4696	-.00291	.00104	.00036	.02498	.00134	.04364	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4857.7**	**78799.**	**6735.4**
Stddev	6.1	182.	.0
%RSD	.12458	.23145	.00028
#1	4853.4	78670.	6735.4
#2	4861.9	78928.	6735.4

Sample Name: 280-61905-F-10-B Acquired: 11/16/2014 21:37:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00124**	**.00119**	**1.5711**	**.01441**	**.00006**	**-.00039**	**34.838**	**-.00004**
Stddev	.00035	.00067	.00202	.0030	.00005	.00002	.00122	.071	.00007
%RSD	676.40	53.616	169.45	.19124	.36369	29.884	316.11	.20461	175.50
#1	.00019	-.00077	-.00024	1.5690	.01445	.00005	.00048	34.888	.00001
#2	-.00030	-.00172	.00262	1.5732	.01438	.00007	-.00125	34.787	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00015**	**.00466**	**.01207**	**.58656**	**.09538**	**7.5298**	**.02760**	**.00591**
Stddev	.00010	.00001	.00002	.00071	.05696	.00155	.0048	.00002	.00005
%RSD	32.771	5.2921	.40862	5.8945	9.7108	1.6217	.06406	.05600	.89572
#1	.00023	-.00016	.00465	.01157	.54628	.09648	7.5264	.02759	.00595
#2	.00037	-.00014	.00468	.01257	.62683	.09429	7.5332	.02761	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **941.52**	**.00105**	**.04411**	**-.00222**	**289.88**	**.00138**	**-.00322**	**5.0706**	**-.00020**
Stddev	.62	.00036	.00036	.00045	.20	.00111	.00222	.0151	.00012
%RSD	.06536	34.086	.81871	20.423	.06868	80.741	69.083	.29762	61.016
#1	941.08	.00131	.04436	-.00190	289.74	.00059	-.00479	5.0599	-.00011
#2	941.95	.00080	.04385	-.00254	290.02	.00217	-.00165	5.0813	-.00029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0022**	**-.00261**	**-.00010**	**.00075**	**.11099**	**.00239**	**.00534**	**-.00094**
Stddev	.0023	.00109	.00061	.00104	.01031	.00006	.00000	.00194
%RSD	.22515	41.797	584.53	138.91	9.2900	2.5492	.00719	206.04
#1	1.0006	-.00184	.00033	.00001	.10370	.00244	.00534	.00043
#2	1.0038	-.00338	-.00053	.00148	.11828	.00235	.00535	-.00232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4734.9**	**76175.**	**6701.6**
Stddev	4.0	79.	87.8
%RSD	.08393	.10404	1.3098
#1	4737.7	76119.	6639.5
#2	4732.1	76231.	6763.7

Sample Name: 280-61905-F-10-BSD@5 Acquired: 11/16/2014 21:40:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00115**	**.00297**	**.33383**	**.00278**	**-.00005**	**-.00076**	**7.0348**	**.00010**
Stddev	.00037	.00001	.00211	.00094	.00013	.00005	.00037	.0088	.00008
%RSD	87.082	.49580	71.145	.28074	4.7127	90.840	48.197	.12455	79.365
#1	.00069	.00114	.00148	.33450	.00287	-.00002	-.00050	7.0410	.00005
#2	.00016	.00115	.00446	.33317	.00268	-.00009	-.00102	7.0286	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00032**	**.00128**	**.01195**	**.09299**	**.01892**	**1.5810**	**.00561**	**.00126**
Stddev	.00004	.00043	.00006	.00128	.01719	.00109	.0017	.00001	.00014
%RSD	36.670	133.17	4.6777	10.727	18.482	5.7665	.10715	.17696	11.087
#1	.00009	-.00062	.00123	.01105	.10514	.01815	1.5799	.00562	.00116
#2	.00015	-.00002	.00132	.01286	.08084	.01969	1.5822	.00561	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**190.93**	**.00029**	**.01011**	**-.00211**	**57.115**	**-.00095**	**-.00189**	**.99638**	**-.00103**
Stddev	.26	.00006	.00509	.00116	.326	.00028	.00141	.01668	.00019
%RSD	.13379	20.370	50.321	54.797	.57015	30.012	74.249	1.6739	18.180
#1	191.11	.00034	.00651	-.00293	57.346	-.00115	-.00289	1.0082	-.00089
#2	190.75	.00025	.01371	-.00129	56.885	-.00075	-.00090	.98459	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20208**	**-.00191**	**-.00012**	**.00219**	**.02513**	**.00093**	**.00099**	**-.00147**
Stddev	.00015	.00236	.00004	.00066	.01416	.00036	.00009	.00080
%RSD	.07454	123.24	30.935	30.018	56.347	38.402	9.3273	54.872
#1	.20198	-.00358	-.00014	.00173	.03514	.00118	.00093	-.00203
#2	.20219	-.00025	-.00009	.00266	.01512	.00068	.00106	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4976.2**	**80788.**	**6732.1**
Stddev	33.8	87.	19.2
%RSD	.67873	.10827	.28473
#1	5000.0	80726.	6745.6
#2	4952.3	80849.	6718.5

Sample Name: 280-61905-F-10-B PDS Acquired: 11/16/2014 21:43:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00638**	**.97906**	**.21977**	**1.6181**	**.12377**	**.05227**	**.00167**	**55.102**	**.05235**
Stddev	.00004	.00033	.00013	.0007	.00017	.00005	.00104	.123	.00022
%RSD	.68849	.03340	.05995	.04069	.13975	.10313	62.540	.22382	.41895
#1	.00635	.97929	.21986	1.6185	.12365	.05223	.00093	55.189	.05219
#2	.00641	.97883	.21968	1.6176	.12389	.05231	.00240	55.014	.05250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05103**	**.05033**	**.05831**	**1.0654**	**22.189**	**.20437**	**26.654**	**.07856**	**.05296**
Stddev	.00019	.00019	.00023	.0032	.010	.00180	.061	.00023	.00024
%RSD	.36574	.38436	.39138	.30182	.04616	.87939	.23028	.29826	.45145
#1	.05116	.05047	.05815	1.0631	22.182	.20310	26.698	.07873	.05312
#2	.05090	.05019	.05847	1.0677	22.197	.20564	26.611	.07839	.05279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **942.53**	**.05254**	**2.2340**	**.09904**	**282.47**	**.09386**	**.20633**	**9.8106**	**.09163**
Stddev	1.41	.00037	.0030	.00144	.15	.00133	.00394	.0276	.00022
%RSD	.14933	.71344	.13341	1.4560	.05311	1.4216	1.9090	.28171	.23988
#1	943.53	.05227	2.2361	.10006	282.37	.09480	.20354	9.8302	.09148
#2	941.54	.05280	2.2319	.09802	282.58	.09291	.20911	9.7911	.09179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0338**	**.19955**	**.04783**	**.18193**	**.66089**	**.05524**	**.22060**	**.04899**
Stddev	.0009	.00142	.00013	.00043	.00484	.00069	.00034	.00130
%RSD	.09065	.71172	.28149	.23813	.73232	1.2477	.15407	2.6601
#1	1.0345	.19854	.04773	.18223	.65747	.05572	.22036	.04807
#2	1.0332	.20055	.04792	.18162	.66432	.05475	.22084	.04991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4724.5**	**76157.**	**6613.8**
Stddev	11.9	146.	50.2
%RSD	.25212	.19164	.75860
#1	4716.1	76054.	6578.4
#2	4733.0	76260.	6649.3

Sample Name: ccvh-2982968 Acquired: 11/16/2014 21:46:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00732**	**50.422**	**-.00113**	**.01227**	**.00002**	**-.00012**	**.96660**	**-.09214**	**-.00061**	**.00144**	**-.00043**	**-.00034**	**51.362**
Stddev	.00008	.119	.00302	.00041	.00020	.00001	.00187	.00087	.00021	.00028	.00018	.00028	.123
%RSD	1.1094	.23688	267.75	3.3037	900.49	11.782	.19369	.94438	34.152	19.480	41.182	83.435	.23993
#1	.00737	50.338	.00101	.01256	.00016	-.00011	.96792	-.09275	-.00076	.00125	-.00030	-.00014	51.275
#2	.00726	50.507	-.00326	.01199	-.00012	-.00013	.96527	-.09152	-.00046	.00164	-.00055	-.00053	51.449
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03145**	**-.00088**	**.13103**	**-.00303**	**-.00151**	**251.53**	**.00087**	**.00569**	**.00227**	**4.9852**	**.00634**	**.00473**	**-.00030**
Stddev	.05131	.00005	.00145	.00003	.00023	.12	.00039	.00300	.00048	.0032	.00088	.00212	.00915
%RSD	163.15	5.3271	1.1054	.84807	15.330	.04883	44.509	52.649	21.258	.06319	13.852	44.888	3097.5
#1	-.00483	-.00085	.13001	-.00305	-.00168	251.44	.00115	.00357	.00193	4.9874	.00572	.00323	-.00676
#2	.06773	-.00092	.13205	-.00301	-.00135	251.62	.00060	.00781	.00262	4.9829	.00696	.00623	.00617
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00234**	**.00057**	**4.6778**	**-.02450**	**.00013**	**9.5253**	**.00404**	**-.00021**	**-.02052**
Stddev	.00080	.00009	.0042	.00006	.00007	.0185	.00034	.00078	.00012
%RSD	34.280	16.570	.09040	.26051	52.335	.19400	8.3671	376.49	.56208
#1	.00290	.00064	4.6807	-.02454	.00008	9.5123	.00380	-.00076	-.02061
#2	.00177	.00051	4.6748	-.02445	.00018	9.5384	.00427	.00034	-.02044
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4991.2**	**80278.**	**6745.9**
Stddev	1.7	168.	63.6
%RSD	.03391	.20969	.94311
#1	4992.4	80397.	6701.0
#2	4990.0	80159.	6790.9

Sample Name: ccv-2984587 Acquired: 11/16/2014 21:48:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46941**	**.49034**	**.95946**	**.48234**	**.50902**	**.48325**	**.00985**	**4.8429**	**.48352**	**.48662**	**.47612**	**.49487**
Stddev	.00167	.00041	.00589	.00227	.00016	.00106	.00222	.0224	.00079	.00011	.00049	.00090
%RSD	.35482	.08330	.61368	.46969	.03052	.21930	22.502	.46260	.16415	.02335	.10240	.18092
#1	.47059	.49063	.95530	.48073	.50891	.48400	.01142	4.8588	.48296	.48670	.47577	.49424
#2	.46824	.49005	.96363	.48394	.50913	.48250	.00829	4.8271	.48408	.48654	.47646	.49550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4449**	**48.483**	**1.0175**	**18.958**	**.47979**	**.47671**	F **5.5914**	**.49305**	**.93650**	**.97348**	**.12987**	**.94863**
Stddev	.0056	.041	.0012	.031	.00006	.00033	.0271	.00054	.00165	.00380	.00480	.00574
%RSD	.22819	.08440	.11448	.16358	.01215	.06980	.48449	.11001	.17633	.39060	3.6987	.60491
#1	2.4489	48.512	1.0183	18.980	.47983	.47648	5.6106	.49266	.93766	.97079	.12648	.94458
#2	2.4410	48.454	1.0166	18.936	.47975	.47695	5.5722	.49343	.93533	.97617	.13327	.95269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93314**	**4.8402**	**.94957**	**.49005**	**.00738**	**.48430**	**.96743**	**.03501**	**.46961**	**.47593**	**.49488**
Stddev	.01199	.0141	.00107	.00079	.00036	.00111	.00372	.01176	.00064	.00118	.00057
%RSD	1.2852	.29209	.11312	.16184	4.8296	.23019	.38494	33.584	.13607	.24711	.11429
#1	.92466	4.8302	.94881	.49061	.00763	.48509	.96480	.02670	.46916	.47676	.49528
#2	.94162	4.8502	.95033	.48949	.00713	.48351	.97006	.04332	.47006	.47510	.49448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5107.6**	**82858.**	**6754.0**
Stddev	9.8	498.	57.6
%RSD	.19102	.60051	.85216
#1	5114.5	82506.	6713.3
#2	5100.7	83210.	6794.7

Sample Name: CCB Acquired: 11/16/2014 21:51:21 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00101**	**-.00102**	F **.00780**	**-.00040**	**.00001**	**-.00127**	**.00314**	**.00032**	**-.00008**	**-.00066**	**.00053**
Stddev	.00032	.00013	.00068	.00001	.00014	.00001	.00051	.00143	.00012	.00010	.00010	.00003
%RSD	109.16	12.764	66.873	.16924	33.985	79.646	39.968	45.394	37.839	127.31	15.525	5.3325
#1	.00007	-.00110	-.00054	.00779	-.00050	.00001	-.00162	.00415	.00041	-.00001	-.00059	.00055
#2	.00052	-.00092	-.00150	.00781	-.00031	.00002	-.00091	.00213	.00024	-.00015	-.00073	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.03467**	**-.00103**	**.00506**	**.00004**	**.00052**	F **.49880**	**.00001**	**-.00139**	**-.00128**	**.10693**	**.00062**
Stddev	.00011	.00949	.00031	.00143	.00001	.00002	.00723	.00017	.00401	.00019	.00417	.00253
%RSD	7.6722	27.378	30.250	28.330	30.209	3.3790	1.4491	1125.7	288.70	14.467	3.9038	407.84
#1	.00157	.02796	-.00125	.00405	.00005	.00050	.50391	.00013	-.00423	-.00115	.10988	.00241
#2	.00141	.04138	-.00081	.00608	.00003	.00053	.49369	-.00010	.00145	-.00142	.10397	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00263**	**.00052**	**.00023**	**.00011**	**-.00213**	**-.00001**	**.00040**	**.00971**	**.00041**	**-.00018**	**.00075**
Stddev	.00397	.01315	.00013	.00002	.00398	.00024	.00210	.04305	.00038	.00021	.00101
%RSD	150.98	2533.4	54.906	21.915	186.93	1673.6	527.24	443.34	94.191	120.99	134.55
#1	.00018	.00982	.00032	.00009	.00069	.00015	.00189	-.02073	.00068	-.00003	.00004
#2	-.00543	-.00878	.00014	.00012	-.00494	-.00018	-.00109	.04016	.00014	-.00033	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5146.5**	**84612.**	**6726.9**
Stddev	.2	369.	19.3
%RSD	.00437	.43626	.28616
#1	5146.7	84873.	6713.3
#2	5146.4	84351.	6740.5

Sample Name: CCVL2994263 Acquired: 11/16/2014 21:54:03 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01052**	**.10682**	**.01677**	**.10473**	**.01055**	**.00100**	**.10613**	**.21238**	**.00533**	**.01062**	**.00975**	**.01642**
Stddev	.00013	.00024	.00163	.00040	.00013	.00006	.00412	.00141	.00009	.00013	.00011	.00024
%RSD	1.2321	.22054	9.7182	.37813	1.2413	5.9276	3.8837	.66520	1.5991	1.2148	1.1200	1.4380
#1	.01061	.10699	.01562	.10445	.01065	.00096	.10904	.21338	.00539	.01053	.00967	.01625
#2	.01042	.10665	.01792	.10501	.01046	.00105	.10321	.21138	.00527	.01071	.00982	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10183**	**3.1828**	**.01047**	**.21454**	**.01044**	**.02014**	F **1.5060**	**.04261**	**2.8932**	**.00945**	**.08074**	**.01076**
Stddev	.00254	.0332	.00080	.00353	.00002	.00006	.0104	.00013	.0072	.00137	.00551	.00022
%RSD	2.4965	1.0428	7.6254	1.6463	.19026	.31196	.69228	.31322	.24892	14.549	6.8254	2.0370
#1	.10003	3.1594	.00991	.21204	.01046	.02009	1.5134	.04252	2.8882	.00847	.08463	.01061
#2	.10363	3.2063	.01104	.21703	.01043	.02018	1.4987	.04271	2.8983	.01042	.07684	.01092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01252**	**.50809**	**.10170**	**.01071**	**.01386**	**.01005**	**.01580**	**.07196**	**.00969**	**.02080**	**.01606**
Stddev	.00101	.00155	.00055	.00017	.00044	.00044	.00054	.02495	.00065	.00043	.00087
%RSD	8.0983	.30540	.54298	1.6308	3.1570	4.3654	3.4049	34.678	6.6719	2.0481	5.4362
#1	.01180	.50699	.10131	.01083	.01355	.01036	.01542	.08961	.01015	.02050	.01668
#2	.01323	.50918	.10209	.01059	.01416	.00974	.01618	.05431	.00924	.02110	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5204.6**	**84483.**	**6769.8**
Stddev	2.6	31.	23.3
%RSD	.04976	.03674	.34360
#1	5206.4	84461.	6786.2
#2	5202.8	84505.	6753.3

Sample Name: 280-61905-J-11-B Acquired: 11/16/2014 21:56:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**-.00312**	**.00306**	**1.4804**	**.01245**	**.00005**	**-.00049**	**86.528**	**.00033**
Stddev	.00026	.00124	.00297	.0056	.00013	.00002	.00148	.178	.00004
%RSD	53.764	39.727	96.925	.37967	1.0475	46.507	302.88	.20573	12.616
#1	-.00030	-.00399	.00516	1.4764	.01236	.00003	.00056	86.653	.00035
#2	-.00066	-.00224	.00096	1.4844	.01254	.00007	-.00153	86.402	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00007**	**.00254**	**.05368**	**.77253**	**.12235**	**15.998**	**.12669**	**.00125**
Stddev	.00040	.00028	.00028	.00112	.07804	.00115	.013	.00021	.00004
%RSD	78.446	383.48	11.065	2.0863	10.102	.93831	.08407	.16586	3.2928
#1	.00079	-.00027	.00274	.05447	.71734	.12154	15.989	.12654	.00128
#2	.00023	.00012	.00234	.05289	.82772	.12316	16.008	.12684	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1186.1**	**.00195**	**.01293**	**-.00107**	**436.64**	**.00036**	**.03435**	**6.5501**	**-.00028**
Stddev	2.2	.00028	.00290	.00139	1.55	.00160	.00172	.0195	.00009
%RSD	.18292	14.228	22.451	130.51	.35563	444.18	5.0042	.29711	31.169
#1	1187.6	.00214	.01088	-.00008	435.54	-.00077	.03313	6.5638	-.00034
#2	1184.5	.00175	.01498	-.00205	437.73	.00150	.03556	6.5363	-.00022
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7384**	**-.00026**	**.00027**	**.00127**	**.07862**	**.00136**	**.00872**	**.00011**
Stddev	.0078	.00203	.00001	.00336	.01186	.00001	.00077	.00116
%RSD	.28458	781.62	2.5829	265.16	15.079	.88082	8.8864	1040.8
#1	2.7439	-.00170	.00028	.00364	.08700	.00135	.00926	-.00071
#2	2.7329	.00118	.00027	-.00111	.07023	.00137	.00817	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4697.5**	**75054.**	**6557.6**
Stddev	17.9	236.	44.8
%RSD	.38000	.31444	.68359
#1	4684.9	75220.	6589.3
#2	4710.1	74887.	6525.9

Sample Name: 280-61905-J-11-C MS Acquired: 11/16/2014 21:59:45 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05392**	**1.8305**	**1.0389**	**2.3043**	**2.1478**	**.05043**	**1.9518**	**133.79**	**.09831**
Stddev	.00020	.0043	.0018	.0032	.0044	.00025	.0035	.36	.00026
%RSD	.36705	.23484	.16812	.13884	.20665	.48852	.17935	.26773	.26073
#1	.05406	1.8335	1.0377	2.3065	2.1446	.05025	1.9493	133.54	.09813
#2	.05378	1.8274	1.0402	2.3020	2.1509	.05060	1.9542	134.05	.09849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48440**	**.19339**	**.26129**	**1.0330**	**53.340**	**1.2017**	**62.279**	**.61445**	**.90054**
Stddev	.00034	.00037	.00087	.0024	.146	.0039	.091	.00026	.00200
%RSD	.06958	.18960	.33115	.23487	.27415	.32046	.14593	.04307	.22174
#1	.48464	.19365	.26190	1.0313	53.237	1.1990	62.215	.61426	.90196
#2	.48416	.19313	.26067	1.0347	53.444	1.2044	62.343	.61464	.89913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1208.1**	**.48976**	**10.769**	**.46630**	**429.24**	**.44842**	**2.0480**	**15.651**	**1.7201**
Stddev	4.1	.00015	.006	.00025	.32	.00224	.0080	.045	.0011
%RSD	.34336	.03126	.05953	.05275	.07410	.49998	.39300	.28455	.06234
#1	1205.2	.48986	10.765	.46613	429.47	.45000	2.0537	15.619	1.7209
#2	1211.1	.48965	10.774	.46648	429.02	.44683	2.0423	15.682	1.7194
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6984**	**.96509**	**.91757**	**1.6807**	**2.0395**	**.50277**	**.51043**	**.46967**
Stddev	.0112	.00290	.00069	.0038	.0187	.00140	.00215	.00365
%RSD	.30154	.30030	.07554	.22803	.91890	.27753	.42204	.77723
#1	3.6905	.96714	.91806	1.6834	2.0263	.50376	.50890	.46709
#2	3.7063	.96304	.91708	1.6780	2.0528	.50178	.51195	.47226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4688.2**	**75420.**	**6702.9**
Stddev	16.7	301.	19.4
%RSD	.35561	.39866	.28892
#1	4676.4	75633.	6716.6
#2	4700.0	75208.	6689.2

Sample Name: 280-61905-J-11-D MSD Acquired: 11/16/2014 22:02:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05373**	**1.8234**	**1.0322**	**2.3166**	**2.1336**	**.05013**	**1.9711**	**134.05**	**.09842**
Stddev	.00009	.0020	.0010	.0048	.0058	.00008	.0020	.12	.00046
%RSD	.15969	.11189	.09692	.20911	.27348	.16623	.09999	.09197	.46846
#1	.05379	1.8219	1.0329	2.3132	2.1294	.05007	1.9725	133.96	.09810
#2	.05367	1.8248	1.0315	2.3201	2.1377	.05019	1.9697	134.13	.09875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48540**	**.19420**	**.26060**	**1.0742**	**53.182**	**1.1920**	**62.350**	**.61656**	**.90229**
Stddev	.00140	.00014	.00121	.0034	.157	.0029	.177	.00134	.00093
%RSD	.28942	.07006	.46357	.31977	.29554	.24343	.28339	.21804	.10289
#1	.48441	.19410	.26146	1.0766	53.071	1.1900	62.225	.61561	.90163
#2	.48639	.19430	.25975	1.0717	53.294	1.1941	62.475	.61751	.90295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1213.2**	**.48909**	**10.782**	**.46910**	**431.82**	**.44904**	**2.0409**	**15.685**	**1.7237**
Stddev	2.6	.00085	.004	.00072	.39	.00047	.0002	.030	.0041
%RSD	.21487	.17365	.03648	.15322	.08939	.10560	.01108	.19084	.23808
#1	1211.3	.48849	10.784	.46860	431.55	.44938	2.0407	15.664	1.7208
#2	1215.0	.48969	10.779	.46961	432.10	.44871	2.0411	15.706	1.7266
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7024**	**.97145**	**.91880**	**1.6817**	**2.0286**	**.50469**	**.51060**	**.46633**
Stddev	.0089	.00043	.00221	.0023	.0058	.00064	.00014	.00070
%RSD	.23929	.04477	.24066	.13840	.28580	.12706	.02741	.14948
#1	3.6962	.97175	.91724	1.6800	2.0327	.50423	.51070	.46583
#2	3.7087	.97114	.92036	1.6833	2.0245	.50514	.51051	.46682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4682.2**	**75263.**	**6685.3**
Stddev	10.3	375.	29.4
%RSD	.21943	.49828	.43919
#1	4689.5	75529.	6664.5
#2	4675.0	74998.	6706.0

Sample Name: ccvh-2982968 Acquired: 11/16/2014 22:05:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00715**	**50.256**	**-.00136**	**.01438**	**-.00003**	**-.00013**	**.96866**	**-.08511**	**-.00025**	**.00132**	**-.00024**	**-.00028**	**51.277**
Stddev	.00013	.181	.00094	.00175	.00008	.00000	.00310	.00261	.00012	.00012	.00013	.00046	.160
%RSD	1.7919	.35986	68.826	12.139	242.28	2.9775	.31954	3.0718	47.895	9.0317	53.266	166.59	.31202
#1	.00706	50.384	-.00203	.01562	.00002	-.00013	.96648	-.08326	-.00033	.00124	-.00015	-.00061	51.163
#2	.00724	50.128	-.00070	.01315	-.00009	-.00012	.97085	-.08696	-.00016	.00141	-.00034	.00005	51.390
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06992**	**-.00200**	**.13434**	**-.00301**	**-.00153**	**250.58**	**.00105**	**.00786**	**.00189**	**5.0349**	**.00517**	**.00054**	**-.01280**
Stddev	.02708	.00128	.00181	.00009	.00004	.01	.00012	.00086	.00093	.1364	.00052	.00410	.02113
%RSD	38.729	63.820	1.3481	2.9384	2.7902	.00314	11.474	10.979	49.148	2.7092	10.072	757.46	165.10
#1	.08907	-.00291	.13562	-.00307	-.00150	250.58	.00113	.00725	.00124	5.1314	.00480	-.00236	-.02773
#2	.05077	-.00110	.13306	-.00294	-.00156	250.59	.00096	.00848	.00255	4.9385	.00554	.00344	.00214
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**.00085**	**4.6693**	**-.02412**	**.00171**	**9.4911**	**.00448**	**-.00056**	**-.02308**
Stddev	.00011	.00007	.0025	.00053	.00038	.0025	.00008	.00034	.00144
%RSD	3.9127	8.0153	.05322	2.1817	21.921	.02612	1.7164	62.022	6.2334
#1	.00264	.00090	4.6675	-.02375	.00198	9.4928	.00454	-.00080	-.02206
#2	.00279	.00080	4.6710	-.02449	.00145	9.4893	.00443	-.00031	-.02410
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5027.0**	**81328.**	**6790.6**
Stddev	6.7	471.	23.5
%RSD	.13405	.57942	.34645
#1	5022.2	81661.	6774.0
#2	5031.8	80995.	6807.3

Sample Name: ccv-2984587 Acquired: 11/16/2014 22:07:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47052**	**.49399**	**.96892**	**.48499**	**.51194**	**.48694**	**.00933**	**4.8997**	**.48454**	**.48721**	**.47834**	**.49516**
Stddev	.00064	.00356	.00088	.00145	.00056	.00051	.00280	.0145	.00066	.00107	.00116	.00170
%RSD	.13526	.72003	.09100	.29960	.10987	.10489	29.967	.29530	.13722	.21924	.24201	.34294
#1	.47007	.49651	.96829	.48601	.51154	.48658	.01131	4.8895	.48501	.48646	.47752	.49395
#2	.47097	.49148	.96954	.48396	.51234	.48730	.00735	4.9100	.48407	.48797	.47916	.49636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4608**	**48.778**	**1.0242**	**18.987**	**.48086**	**.47924**	F **5.6065**	**.49443**	**.94022**	**.97427**	**.08989**	**.95138**
Stddev	.0090	.167	.0015	.007	.00016	.00052	.0084	.00014	.00068	.00274	.00622	.00128
%RSD	.36538	.34292	.14494	.03551	.03409	.10884	.14913	.02733	.07267	.28110	6.9225	.13468
#1	2.4544	48.660	1.0253	18.992	.48098	.47887	5.6006	.49453	.94070	.97620	.09429	.95229
#2	2.4671	48.896	1.0232	18.983	.48075	.47961	5.6124	.49434	.93973	.97233	.08549	.95048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93800**	**4.8898**	**.95716**	**.49300**	**.00939**	**.48482**	**.97363**	**.00526**	**.46987**	**.47640**	**.49901**
Stddev	.00678	.0206	.00321	.00100	.00005	.00026	.00156	.04081	.00088	.00187	.00231
%RSD	.72273	.42203	.33568	.20183	.53560	.05457	.16003	775.72	.18668	.39352	.46202
#1	.94279	4.8753	.95943	.49230	.00943	.48463	.97253	-.02359	.47049	.47773	.49738
#2	.93320	4.9044	.95489	.49371	.00936	.48501	.97473	.03412	.46925	.47508	.50064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5124.0**	**82818.**	**6666.6**
Stddev	1.2	345.	8.0
%RSD	.02314	.41704	.12073
#1	5123.2	82574.	6672.3
#2	5124.9	83062.	6660.9

Sample Name: CCB Acquired: 11/16/2014 22:10:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00158**	**.00021**	F **.00782**	**-.00057**	**.00007**	**.00032**	**.00528**	**.00024**	**.00003**	W **-.00068**
Stddev	.00054	.00053	.00006	.00015	.00000	.00005	.00285	.00148	.00005	.00015	.00005
%RSD	165.05	33.570	29.442	1.8807	.46902	69.750	891.91	27.976	20.996	559.27	7.0846
#1	-.00070	-.00120	.00017	.00793	-.00057	.00004	-.00170	.00632	.00021	.00013	-.00071
#2	.00005	-.00195	.00026	.00772	-.00057	.00011	.00234	.00423	.00028	-.00008	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00312							.00066
Low Limit				-.00312							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00048**	**.00761**	**.00106**	**.00262**	**.00001**	**.00063**	F **.45391**	**.00011**	**.00097**	**-.00059**
Stddev	.00007	.00150	.02475	.00074	.00279	.00004	.00002	.00494	.00037	.00421	.00001
%RSD	21.386	312.92	325.37	69.274	106.77	324.24	3.5635	1.0888	328.86	435.32	2.1888
#1	.00029	.00154	.02510	.00054	.00459	.00004	.00062	.45741	.00038	.00394	-.00060
#2	.00039	-.00058	-.00989	.00158	.00064	-.00002	.00065	.45042	-.00015	-.00201	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.20152			
Low Limit								-.20152			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07380**	**.00049**	**-.00114**	**.00304**	**.00004**	**.00015**	**-.00156**	**.00014**	**-.00044**	**.01065**	**.00045**
Stddev	.00213	.00123	.00076	.00804	.00067	.00001	.00025	.00026	.00086	.02871	.00074
%RSD	2.8865	248.59	66.787	264.69	1813.4	3.5682	16.213	190.43	194.80	269.66	164.41
#1	.07531	-.00037	-.00168	-.00265	-.00044	.00015	-.00138	-.00005	-.00105	-.00965	-.00007
#2	.07230	.00136	-.00060	.00872	.00051	.00016	-.00174	.00032	.00017	.03095	.00098
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00052**	**-.00210**
Stddev	.00045	.00046
%RSD	86.327	21.850
#1	-.00083	-.00243
#2	-.00020	-.00178
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5166.0**	**84419.**	**6787.1**
Stddev	23.7	210.	35.9
%RSD	.45788	.24842	.52858
#1	5149.3	84567.	6761.7
#2	5182.8	84271.	6812.5

Sample Name: CCVL2994263 Acquired: 11/16/2014 22:13:10 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01064**	**.10727**	**.01476**	**.10691**	**.01042**	**.00105**	**.10971**	**.21391**	**.00547**	**.01059**	**.00990**	**.01652**
Stddev	.00047	.00005	.00080	.00040	.00029	.00018	.00064	.00404	.00010	.00003	.00002	.00028
%RSD	4.4407	.04662	5.3929	.37317	2.7486	16.770	.57980	1.8872	1.8193	.32968	.21970	1.6774
#1	.01031	.10731	.01532	.10719	.01063	.00092	.10926	.21105	.00540	.01062	.00992	.01632
#2	.01098	.10723	.01420	.10662	.01022	.00117	.11016	.21676	.00554	.01057	.00989	.01671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10130**	**3.1932**	**.00810**	**.21791**	**.01046**	**.02054**	F **1.4709**	**.04327**	**2.9191**	**.00899**	**.05641**	**.01024**
Stddev	.00190	.0161	.00111	.00097	.00004	.00046	.0029	.00012	.0056	.00041	.00019	.00156
%RSD	1.8753	.50290	13.704	.44577	.40579	2.2243	.19637	.27716	.19351	4.5465	.33634	15.236
#1	.09996	3.1818	.00731	.21859	.01049	.02087	1.4689	.04335	2.9231	.00928	.05655	.00914
#2	.10264	3.2045	.00888	.21722	.01043	.02022	1.4729	.04318	2.9151	.00870	.05628	.01134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01479**	**.52898**	**.10269**	**.01071**	**.01278**	**.01024**	W **.01823**	F **.08572**	**.00999**	**.02043**	**.01580**
Stddev	.00548	.00286	.00016	.00009	.00135	.00006	.00093	.02611	.00047	.00024	.00162
%RSD	37.026	.54124	.15543	.87429	10.574	.55925	5.0868	30.456	4.6971	1.1579	10.243
#1	.01867	.53101	.10258	.01065	.01182	.01020	.01889	.10418	.00966	.02026	.01465
#2	.01092	.52696	.10280	.01078	.01373	.01028	.01758	.06726	.01032	.02060	.01694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.01500	.06000			
Range							20.000%	30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5203.8**	**85177.**	**6841.8**
Stddev	21.5	95.	17.5
%RSD	.41304	.11178	.25623
#1	5219.0	85244.	6829.4
#2	5188.6	85109.	6854.2

Sample Name: LB 280-252751/1-B Acquired: 11/16/2014 22:15:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/14 Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00150**	**.00318**	W **.00558**	**.00245**	**-.00013**	**.00108**	W **.13537**	**-.00006**
Stddev	.00014	.00067	.00255	.00049	.00001	.00012	.00031	.00131	.00028
%RSD	3543.2	44.994	80.414	8.8085	.41326	99.217	29.000	.96409	437.75
#1	.00010	.00102	.00137	.00592	.00246	-.00004	.00086	.13445	-.00026
#2	-.00010	.00197	.00498	.00523	.00245	-.00021	.00130	.13630	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500				.10000	
Low Limit				-.00500				-.10000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00015**	W **.00601**	**.00716**	**.09594**	**-.00219**	**.01387**	**.00052**	**.00022**
Stddev	.00001	.00016	.00001	.00229	.04918	.00007	.00016	.00008	.00001
%RSD	53.621	107.29	.16579	31.999	51.262	3.2758	1.1635	14.921	3.9227
#1	.00003	-.00026	.00602	.00554	.06116	-.00214	.01398	.00057	.00021
#2	.00002	-.00004	.00601	.00878	.13071	-.00224	.01375	.00046	.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500						
Low Limit			-.00500						

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**298.35**	**.00070**	W **.00838**	**-.00053**	**.07124**	**.00033**	**.00013**	**-.00064**	**-.00043**
Stddev	3.60	.00029	.00039	.00025	.00220	.00021	.00089	.02036	.00040
%RSD	1.2061	42.003	4.6385	46.697	3.0861	62.459	701.97	3185.4	93.037
#1	295.80	.00090	.00810	-.00036	.06968	.00018	-.00050	-.01503	-.00015
#2	300.89	.00049	.00865	-.00071	.07279	.00047	.00075	.01375	-.00071
Check ?	None	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500						
Low Limit			-.00500						

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**-.00178**	**.00023**	**.00352**	**.00134**	**-.00021**	W **.00690**	**-.00052**
Stddev	.00002	.00199	.00018	.00095	.07145	.00007	.00053	.00056
%RSD	1.8198	111.51	77.582	27.044	5325.5	34.996	7.6776	107.69
#1	.00135	-.00038	.00011	.00419	-.04918	-.00016	.00728	-.00012
#2	.00131	-.00319	.00036	.00284	.05186	-.00027	.00653	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.00500	
Low Limit							-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4973.0**	**80445.**	**6742.3**
Stddev	4.9	884.	193.4
%RSD	.09822	1.0991	2.8680
#1	4969.5	81070.	6879.0
#2	4976.4	79820.	6605.6

Sample Name: LCS 280-252751/2-B Acquired: 11/16/2014 22:18:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20870**	**.38252**	**.79415**	**.20265**	**2.4930**	**.00955**	**.38630**	**9.7591**	**.22078**
Stddev	.00005	.00157	.00156	.00052	.0036	.00004	.00172	.0267	.00030
%RSD	.02325	.41172	.19637	.25831	.14475	.40067	.44482	.27325	.13639
#1	.20867	.38141	.79305	.20228	2.4905	.00953	.38508	9.7402	.22056
#2	.20874	.38364	.79525	.20302	2.4956	.00958	.38751	9.7780	.22099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09458**	**.99928**	**.45832**	**.19852**	**9.9039**	**.20003**	**9.1494**	**.09469**	**.20272**
Stddev	.00022	.00179	.00054	.00427	.0243	.00065	.0048	.00000	.00054
%RSD	.23692	.17890	.11793	2.1514	.24522	.32711	.05275	.00497	.26758
#1	.09442	1.0005	.45870	.19550	9.9211	.19956	9.1528	.09469	.20234
#2	.09473	.99802	.45793	.20154	9.8868	.20049	9.1460	.09470	.20311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **301.63**	**.09613**	**1.9936**	**1.0742**	**.46914**	**.09279**	**.59173**	F **2.0052**	**.38654**
Stddev	.25	.00032	.0020	.0022	.00266	.00140	.00212	.0014	.00090
%RSD	.08274	.33162	.10236	.20613	.56633	1.5074	.35844	.06790	.23412
#1	301.45	.09590	1.9922	1.0758	.46726	.09181	.59023	2.0043	.38590
#2	301.80	.09635	1.9951	1.0727	.47102	.09378	.59323	2.0062	.38718
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	12.000							.48000	
Low Limit	8.0000							.32000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19566**	**.18066**	**.19931**	**.36293**	**.37771**	**.09360**	**.50608**	**.09986**
Stddev	.00060	.00059	.00008	.00097	.01693	.00012	.00076	.00281
%RSD	.30821	.32572	.04150	.26837	4.4826	.12289	.15063	2.8167
#1	.19523	.18025	.19937	.36224	.36574	.09352	.50554	.09787
#2	.19609	.18108	.19925	.36362	.38969	.09368	.50662	.10185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4960.0**	**80229.**	**6660.7**
Stddev	10.6	78.	24.6
%RSD	.21302	.09715	.36970
#1	4952.6	80174.	6678.1
#2	4967.5	80284.	6643.2

Sample Name: 280-62282-A-1-S Acquired: 11/16/2014 22:21:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.53082**	**.01093**	**.02345**	**.08389**	**.00006**	**.00253**	**19.081**	**.00024**
Stddev	.00046	.00288	.00006	.00068	.00057	.00005	.00238	.145	.00000
%RSD	222.69	.54266	.52558	2.8870	.67490	76.798	94.302	.75886	1.6836
#1	.00053	.52878	.01089	.02393	.08429	.00003	.00084	19.184	.00024
#2	-.00012	.53285	.01097	.02297	.08349	.00009	.00421	18.979	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00142**	**.00684**	**.22574**	**1.2473**	**-.00182**	**2.4742**	**.09160**	**.00044**
Stddev	.00002	.00022	.00005	.00031	.0152	.00355	.0009	.00019	.00002
%RSD	1.9851	15.209	.74258	.13942	1.2185	195.30	.03707	.20633	3.9806
#1	.00119	.00127	.00687	.22597	1.2580	.00069	2.4736	.09146	.00045
#2	.00115	.00158	.00680	.22552	1.2365	-.00433	2.4749	.09173	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**329.32**	**.00569**	**.20239**	**.13599**	**.59788**	**.02027**	**-.00086**	**1.2396**	**-.00030**
Stddev	1.73	.00028	.00325	.00097	.00330	.00138	.00220	.0116	.00135
%RSD	.52484	4.9274	1.6068	.71665	.55172	6.8326	254.74	.93171	442.53
#1	330.54	.00589	.20469	.13530	.59555	.02124	.00069	1.2477	.00065
#2	328.10	.00549	.20009	.13668	.60021	.01929	-.00242	1.2314	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05778**	**-.00188**	**.01065**	**.00301**	**.00126**	**.00103**	**.02527**	**.00008**
Stddev	.00033	.00189	.00015	.00050	.04267	.00018	.00014	.00178
%RSD	.57353	100.20	1.4291	16.643	3389.9	17.568	.55680	2297.2
#1	.05802	-.00055	.01075	.00336	.03143	.00115	.02517	-.00118
#2	.05755	-.00321	.01054	.00265	-.02891	.00090	.02537	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4952.6**	**80174.**	**6705.5**
Stddev	18.1	11.	69.8
%RSD	.36509	.01352	1.0409
#1	4965.4	80166.	6656.2
#2	4939.8	80181.	6754.9

Sample Name: 280-62282-A-1-S SD@5 Acquired: 11/16/2014 22:24:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.11182**	**.00386**	**.00795**	**.01642**	**-.00007**	**.00168**	**3.9156**	**.00009**
Stddev	.00026	.00010	.00515	.00021	.00015	.00003	.00141	.0139	.00007
%RSD	1837.3	.08554	133.37	2.6054	.91596	36.006	83.984	.35509	75.944
#1	-.00017	.11189	.00022	.00780	.01632	-.00005	.00068	3.9058	.00014
#2	.00020	.11175	.00751	.00810	.01653	-.00009	.00268	3.9255	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00003**	**.00153**	**.19833**	**.22953**	**-.00221**	**.51672**	**.01964**	**.00053**
Stddev	.00000	.00002	.00025	.00061	.04158	.00038	.00161	.00004	.00012
%RSD	2.8157	68.205	16.230	.30623	18.116	16.983	.31178	.20703	23.417
#1	.00007	.00001	.00135	.19876	.20013	-.00195	.51558	.01967	.00062
#2	.00007	.00004	.00170	.19790	.25894	-.00248	.51786	.01962	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.494**	**.00117**	**.03907**	**.02823**	**.15249**	**.00331**	**-.00105**	**.24385**	**-.00081**
Stddev	.067	.00011	.00057	.00046	.00125	.00138	.00285	.01851	.00066
%RSD	.09733	9.7499	1.4592	1.6170	.81940	41.715	272.32	7.5895	81.455
#1	68.447	.00109	.03866	.02856	.15338	.00234	.00097	.25694	-.00034
#2	68.541	.00125	.03947	.02791	.15161	.00429	-.00307	.23077	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01172**	**-.00183**	**.00217**	**.00129**	**.00651**	**.00006**	**.00797**	**.00055**
Stddev	.00001	.00085	.00055	.00090	.03830	.00014	.00007	.00149
%RSD	.06475	46.556	25.453	69.769	588.63	247.27	.82896	272.36
#1	.01172	-.00123	.00178	.00065	-.02058	-.00004	.00792	.00161
#2	.01171	-.00243	.00256	.00193	.03359	.00015	.00801	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.6**	**82128.**	**6678.4**
Stddev	7.4	28.	40.3
%RSD	.14630	.03396	.60360
#1	5029.4	82108.	6706.9
#2	5039.8	82148.	6649.9

Sample Name: 280-62282-A-1-T MS Acquired: 11/16/2014 22:26:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20048	.86682	.76693	.20940	2.4480	.00934	.37293	25.915	.21122
Stddev	.00012	.00231	.00108	.00104	.0179	.00003	.00282	.175	.00042
%RSD	.06214	.26701	.14127	.49769	.73265	.31800	.75701	.67563	.20032
#1	.20057	.86846	.76769	.21014	2.4607	.00932	.37493	26.039	.21152
#2	.20039	.86519	.76616	.20866	2.4353	.00936	.37094	25.791	.21092
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09209	.97044	.43637	.38049	10.541	.19260	10.950	.16997	.19643
Stddev	.00009	.00320	.00114	.00366	.095	.00414	.023	.00047	.00026
%RSD	.09606	.32962	.26190	.96295	.89898	2.1517	.20990	.27455	.13475
#1	.09202	.97270	.43718	.38308	10.608	.19553	10.933	.16964	.19662
#2	.09215	.96818	.43556	.37790	10.474	.18967	10.966	.17030	.19625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	295.31	.09674	2.1019	1.1463	.89801	.10699	.56928	3.1008	.37322
Stddev	2.39	.00044	.0039	.0014	.00222	.00199	.00298	.0231	.00183
%RSD	.80946	.45777	.18509	.12200	.24771	1.8599	.52377	.74427	.48994
#1	297.00	.09706	2.1046	1.1473	.89959	.10840	.56717	3.1171	.37451
#2	293.62	.09643	2.0991	1.1453	.89644	.10559	.57139	3.0845	.37193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23787	.17555	.19997	.34954	.39793	.09237	.49999	.09637
Stddev	.00173	.00172	.00014	.00040	.00430	.00004	.00499	.00088
%RSD	.72751	.98091	.06751	.11526	1.0805	.04261	.99734	.90987
#1	.23909	.17677	.20006	.34925	.39489	.09234	.49646	.09699
#2	.23665	.17433	.19987	.34982	.40097	.09240	.50351	.09575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4934.3	80064.	6657.6
Stddev	9.3	735.	13.0
%RSD	.18768	.91852	.19451
#1	4927.8	80584.	6666.8
#2	4940.9	79544.	6648.5

Sample Name: 280-62282-A-1-U MSD Acquired: 11/16/2014 22:29:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.23371**	**.99848**	**.89457**	**.24152**	**2.8314**	**.01076**	**.43083**	**29.915**	**.24418**
Stddev	.00113	.00528	.00134	.00002	.0174	.00010	.00419	.172	.00028
%RSD	.48241	.52924	.14960	.00898	.61494	.95239	.97327	.57347	.11508
#1	.23451	1.0022	.89362	.24153	2.8438	.01084	.42786	30.036	.24399
#2	.23291	.99474	.89552	.24150	2.8191	.01069	.43379	29.793	.24438
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10593**	**1.1231**	**.50944**	**.45122**	**12.148**	**.22304**	**12.623**	**.19709**	**.22731**
Stddev	.00007	.0010	.00387	.00294	.066	.00026	.076	.00100	.00026
%RSD	.06314	.09281	.75921	.65122	.54262	.11848	.60539	.50915	.11484
#1	.10589	1.1238	.51218	.45329	12.195	.22323	12.677	.19780	.22713
#2	.10598	1.1224	.50671	.44914	12.102	.22285	12.569	.19638	.22750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**339.32**	**.11151**	**2.4425**	**1.3236**	**1.0418**	**.12315**	**.65887**	**3.6053**	**.43313**
Stddev	2.16	.00046	.0016	.0025	.0012	.00041	.00365	.0233	.00164
%RSD	.63687	.41573	.06488	.19071	.11802	.33470	.55362	.64718	.37806
#1	340.85	.11184	2.4413	1.3254	1.0427	.12344	.65629	3.6218	.43429
#2	337.79	.11119	2.4436	1.3218	1.0409	.12286	.66145	3.5888	.43197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27419**	**.20501**	**.23248**	**.40249**	**.45059**	**.10709**	**.57958**	**.11254**
Stddev	.00186	.00035	.00100	.00159	.00989	.00026	.00416	.00005
%RSD	.67967	.17244	.42841	.39549	2.1952	.24558	.71846	.04602
#1	.27551	.20476	.23318	.40136	.44360	.10728	.58252	.11258
#2	.27288	.20526	.23177	.40362	.45759	.10691	.57663	.11251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4907.0**	**80007.**	**6718.7**
Stddev	20.0	110.	29.1
%RSD	.40663	.13734	.43247
#1	4892.9	79929.	6698.1
#2	4921.1	80084.	6739.2

Sample Name: 280-62282-A-1-S PDS Acquired: 11/16/2014 22:31:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00748**	**1.5955**	**.24164**	**.13552**	**.19965**	**.05660**	**.00320**	**41.472**	**.05721**
Stddev	.00026	.0044	.00192	.00108	.00034	.00021	.00041	.095	.00018
%RSD	3.5343	.27845	.79417	.79441	.16870	.37885	12.741	.22832	.31867
#1	.00767	1.5986	.24028	.13628	.19941	.05645	.00292	41.539	.05734
#2	.00729	1.5924	.24300	.13475	.19989	.05676	.00349	41.405	.05708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05626**	**.05699**	**.06398**	**1.3535**	**24.149**	**.11729**	**23.734**	**.14565**	**.05702**
Stddev	.00053	.00040	.00019	.0069	.027	.00150	.067	.00039	.00021
%RSD	.94703	.70797	.29181	.50660	.11102	1.2774	.28084	.26916	.36924
#1	.05664	.05727	.06384	1.3584	24.130	.11623	23.781	.14593	.05688
#2	.05589	.05670	.06411	1.3487	24.168	.11835	23.687	.14537	.05717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**347.33**	**.06161**	**2.5672**	**.24413**	**.58660**	**.13132**	**.23187**	**6.9730**	**.11074**
Stddev	.34	.00029	.0020	.00225	.00346	.00214	.00554	.0058	.00085
%RSD	.09670	.47868	.07789	.92156	.58996	1.6287	2.3904	.08274	.76625
#1	347.57	.06182	2.5686	.24254	.58904	.13283	.23579	6.9690	.11134
#2	347.10	.06140	2.5658	.24573	.58415	.12980	.22795	6.9771	.11014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11452**	**.21436**	**.06696**	**.21140**	**.58596**	**.05793**	**.25240**	**.05748**
Stddev	.00002	.00365	.00034	.00279	.00990	.00025	.00006	.00098
%RSD	.01403	1.7035	.50851	1.3205	1.6889	.43766	.02377	1.6993
#1	.11451	.21695	.06720	.21338	.59296	.05775	.25244	.05679
#2	.11453	.21178	.06672	.20943	.57897	.05811	.25236	.05817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4933.7**	**80095.**	**6746.6**
Stddev	.4	309.	37.6
%RSD	.00728	.38566	.55732
#1	4934.0	79876.	6720.0
#2	4933.5	80313.	6773.2

Sample Name: ccvh-2982968 Acquired: 11/16/2014 22:34:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00728**	**52.586**	**.00117**	**.00495**	**.02078**	**-.00005**	**1.0049**	**-.08771**	**-.00055**	**.00157**	**-.00017**	**-.00072**	**53.665**
Stddev	.00029	.005	.00325	.00005	.00026	.00000	.0003	.00363	.00008	.00011	.00003	.00049	.137
%RSD	3.9553	.01016	278.00	.93131	1.2544	4.1600	.02933	4.1362	13.808	7.1359	18.001	67.771	.25447
#1	.00707	52.590	-.00113	.00498	.02097	-.00004	1.0047	-.08514	-.00060	.00149	-.00015	-.00038	53.762
#2	.00748	52.582	.00346	.00492	.02060	-.00005	1.0051	-.09028	-.00050	.00165	-.00019	-.00107	53.569
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01991**	**-.00028**	**.14081**	**-.00311**	**-.00139**	**261.16**	**.00103**	**.00325**	**.00231**	**5.0516**	**.00847**	**.00242**	**-.01893**
Stddev	.00508	.00133	.00000	.00002	.00018	1.04	.00056	.00162	.00032	.0116	.00146	.00090	.00907
%RSD	25.512	478.36	.00269	.48336	13.129	.39839	54.230	49.841	13.980	.22952	17.197	37.119	47.897
#1	.01632	-.00122	.14081	-.00310	-.00152	261.89	.00064	.00211	.00254	5.0598	.00950	.00306	-.02534
#2	.02350	.00066	.14081	-.00312	-.00126	260.42	.00142	.00440	.00208	5.0434	.00744	.00179	-.01252
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**.00085**	**4.8878**	**-.02532**	**.00159**	**9.9863**	**.00412**	**-.00074**	**-.02747**
Stddev	.00030	.00007	.0140	.00008	.00088	.0365	.00065	.00060	.00150
%RSD	10.006	8.5774	.28548	.32893	55.597	.36566	15.788	81.180	5.4483
#1	.00277	.00091	4.8779	-.02526	.00222	9.9605	.00458	-.00032	-.02641
#2	.00319	.00080	4.8977	-.02538	.00097	10.012	.00366	-.00117	-.02853
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4949.3**	**80866.**	**6763.5**
Stddev	8.7	278.	32.8
%RSD	.17541	.34347	.48511
#1	4955.4	80669.	6786.7
#2	4943.2	81062.	6740.3

Sample Name: ccv-2984587 Acquired: 11/16/2014 22:37:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49270**	**.51151**	**.99885**	**.49757**	**.52478**	**.50598**	**.00719**	**5.0904**	**.50015**	**.50692**	**.50045**	**.50998**
Stddev	.00192	.00142	.00100	.00000	.00068	.00161	.00073	.0181	.00136	.00079	.00006	.00334
%RSD	.38886	.27857	.09980	.00041	.13048	.31768	10.142	.35551	.27171	.15533	.01136	.65564
#1	.49405	.51050	.99815	.49757	.52429	.50485	.00668	5.0776	.50112	.50636	.50041	.51234
#2	.49134	.51251	.99956	.49757	.52526	.50712	.00771	5.1032	.49919	.50748	.50049	.50761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5820**	**50.478**	**1.0591**	**19.781**	**.50175**	**.50053**	F **5.5815**	**.51238**	**.98324**	**1.0103**	**.02765**	**.98313**
Stddev	.0063	.161	.0007	.005	.00003	.00167	.0065	.00141	.00347	.0021	.00392	.00110
%RSD	.24481	.31800	.06861	.02726	.00613	.33359	.11601	.27544	.35302	.20253	14.177	.11154
#1	2.5775	50.364	1.0586	19.785	.50177	.49935	5.5769	.51138	.98570	1.0117	.03042	.98390
#2	2.5864	50.591	1.0597	19.777	.50173	.50171	5.5860	.51337	.98079	1.0088	.02488	.98235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97592**	**5.0755**	**.99652**	**.51270**	**.00979**	**.50605**	**1.0078**	**-.00808**	**.49342**	**.49618**	**.51029**
Stddev	.00986	.0061	.00071	.00180	.00084	.00047	.0009	.00851	.00026	.00074	.00079
%RSD	1.0103	.12059	.07152	.35086	8.5488	.09383	.08536	105.32	.05208	.14939	.15573
#1	.98289	5.0711	.99703	.51143	.01038	.50638	1.0084	-.01409	.49360	.49671	.50973
#2	.96894	5.0798	.99602	.51397	.00919	.50571	1.0072	-.00206	.49324	.49566	.51085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5030.4**	**82182.**	**6759.9**
Stddev	28.5	369.	25.7
%RSD	.56724	.44942	.37988
#1	5050.6	82443.	6778.1
#2	5010.2	81921.	6741.8

Sample Name: CCB Acquired: 11/16/2014 22:39:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00157**	**-.00212**	F **.00328**	**-.00021**	**-.00006**	**-.00002**	**.00166**	**.00018**	**-.00027**	**-.00062**	**.00015**
Stddev	.00008	.00011	.00137	.00072	.00023	.00003	.00164	.00009	.00015	.00009	.00010	.00007
%RSD	40.966	6.8447	64.732	21.986	113.32	53.675	10069.	5.6265	84.071	32.557	15.851	45.354
#1	-.00025	-.00150	-.00309	.00379	-.00037	-.00004	.00114	.00173	.00007	-.00021	-.00055	.00010
#2	-.00014	-.00165	-.00115	.00277	-.00004	-.00008	-.00117	.00159	.00029	-.00033	-.00068	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01800**	**-.01549**	**-.00160**	**.00285**	**.00009**	**.00021**	F **.30888**	**-.00005**	**-.00206**	**-.00179**	**.02896**	**.00119**
Stddev	.00201	.04120	.00011	.00027	.00004	.00027	.02306	.00021	.00106	.00033	.00695	.00117
%RSD	11.177	265.96	7.0229	9.4269	44.545	128.34	7.4666	392.98	51.269	18.394	24.009	98.459
#1	.01942	.01364	-.00168	.00266	.00012	.00002	.32519	-.00020	-.00281	-.00156	.03388	.00202
#2	.01658	-.04462	-.00153	.00304	.00006	.00041	.29258	.00009	-.00131	-.00203	.02404	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**-.01389**	**.00058**	**.00002**	**-.00177**	**-.00010**	**.00234**	**.02841**	**.00027**	**-.00103**	**.00015**
Stddev	.00237	.00647	.00001	.00004	.00031	.00051	.00049	.00718	.00019	.00015	.00106
%RSD	249.40	46.627	2.0147	215.96	17.315	513.78	20.720	25.267	70.027	14.934	708.10
#1	.00263	-.01846	.00059	.00004	-.00155	.00026	.00268	.02333	.00014	-.00092	.00090
#2	-.00073	-.00931	.00057	-.00001	-.00198	-.00046	.00200	.03349	.00040	-.00114	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5095.1**	**83510.**	**6667.5**
Stddev	10.4	577.	88.0
%RSD	.20471	.69112	1.3192
#1	5087.8	83102.	6729.7
#2	5102.5	83918.	6605.3

Sample Name: CCVL2994263 Acquired: 11/16/2014 22:42:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01076**	**.11325**	W **.01836**	**.10641**	**.01102**	**.00100**	**.11301**	**.22310**	**.00555**	**.01091**	**.01027**	**.01661**
Stddev	.00048	.00067	.00253	.00028	.00018	.00001	.00072	.00196	.00004	.00007	.00009	.00029
%RSD	4.4768	.58902	13.781	.25952	1.6229	1.3863	.63824	.87672	.64239	.61338	.90259	1.7336
#1	.01110	.11372	.02015	.10660	.01089	.00099	.11352	.22171	.00552	.01096	.01021	.01681
#2	.01042	.11278	.01657	.10621	.01114	.00101	.11250	.22448	.00557	.01086	.01034	.01640
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500									
Range			20.000%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11029**	**3.3246**	**.00845**	**.22380**	**.01095**	**.02125**	F **1.4397**	**.04458**	**3.0401**	**.00896**	**.02392**	**.01190**
Stddev	.00050	.0201	.00043	.00173	.00005	.00040	.0407	.00002	.0012	.00008	.00336	.00016
%RSD	.45150	.60394	5.0342	.77482	.42072	1.9050	2.8275	.03874	.03897	.84742	14.035	1.3770
#1	.10994	3.3104	.00815	.22257	.01098	.02096	1.4109	.04460	3.0410	.00902	.02154	.01201
#2	.11064	3.3388	.00875	.22503	.01092	.02153	1.4685	.04457	3.0393	.00891	.02629	.01178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01694**	**.52877**	**.10687**	**.01117**	**.01450**	**.01043**	**.01716**	**.05976**	**.01006**	**.02143**	**.01715**
Stddev	.00461	.00162	.00080	.00009	.00133	.00001	.00017	.02375	.00057	.00045	.00086
%RSD	27.185	.30694	.74728	.84677	9.1470	.07661	.99307	39.739	5.6490	2.1181	5.0255
#1	.02020	.52763	.10631	.01110	.01544	.01044	.01704	.04297	.01047	.02175	.01776
#2	.01369	.52992	.10744	.01123	.01356	.01043	.01728	.07656	.00966	.02111	.01654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5139.9**	**84538.**	**6665.5**
Stddev	.4	56.	83.9
%RSD	.00766	.06612	1.2585
#1	5139.6	84498.	6724.8
#2	5140.2	84577.	6606.2

Sample Name: 280-62282-A-2-G Acquired: 11/16/2014 22:45:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.57632**	**.00727**	**.01113**	**.06895**	**.00001**	**.00334**	**9.0255**	**.00039**
Stddev	.00010	.00105	.00282	.00004	.00012	.00001	.00126	.0177	.00022
%RSD	39.257	.18289	38.816	.33494	.17137	69.953	37.607	.19583	55.323
#1	-.00034	.57557	.00527	.01110	.06886	.00001	.00245	9.0380	.00024
#2	-.00019	.57706	.00926	.01115	.06903	.00002	.00423	9.0130	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00174**	**.00708**	**.42179**	**.85111**	**-.00239**	**1.7656**	**.07646**	**.00046**
Stddev	.00030	.00027	.00029	.00225	.02448	.00144	.0052	.00010	.00001
%RSD	30.727	15.512	4.1555	.53397	2.8760	60.379	.29398	.13497	1.7549
#1	.00076	.00155	.00728	.42338	.86842	-.00341	1.7619	.07639	.00046
#2	.00118	.00193	.00687	.42020	.83380	-.00137	1.7692	.07654	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**299.62**	**.00480**	**.21197**	**.11002**	**.35570**	**.00463**	**.00446**	**1.4294**	**-.00038**
Stddev	.16	.00035	.00068	.00147	.03890	.00064	.00255	.0074	.00059
%RSD	.05185	7.3585	.32180	1.3355	10.937	13.909	57.063	.52080	158.45
#1	299.73	.00505	.21245	.11106	.32819	.00509	.00626	1.4242	-.00080
#2	299.51	.00455	.21149	.10898	.38321	.00418	.00266	1.4347	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04024**	**.00050**	**.01611**	**.00185**	**.00749**	**.00202**	**.02059**	**-.00179**
Stddev	.00023	.00052	.00027	.00007	.01162	.00009	.00055	.00033
%RSD	.58149	103.71	1.6804	3.8690	155.06	4.6028	2.6538	18.525
#1	.04008	.00013	.01592	.00190	-.00072	.00208	.02021	-.00203
#2	.04041	.00087	.01630	.00180	.01571	.00195	.02098	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4989.1**	**81482.**	**6637.5**
Stddev	5.5	82.	21.1
%RSD	.10958	.10082	.31749
#1	4993.0	81540.	6622.6
#2	4985.3	81424.	6652.4

Sample Name: 280-62282-C-3-C Acquired: 11/16/2014 22:47:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.12529**	**.00126**	**.02284**	**.15185**	**.00003**	**.00084**	**24.640**	**.00040**
Stddev	.00006	.00067	.00286	.00032	.00034	.00011	.00032	.056	.00002
%RSD	34.154	.53633	227.66	1.4027	.22249	425.36	37.894	.22579	4.4808
#1	-.00022	.12482	.00328	.02262	.15161	-.00005	.00107	24.601	.00039
#2	-.00013	.12577	-.00077	.02307	.15209	.00010	.00062	24.679	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**.00026**	**.00419**	**.04045**	**.68845**	**-.00024**	**9.7989**	**.09763**	**.00047**
Stddev	.00000	.00002	.00014	.00125	.01154	.00152	.0155	.00005	.00023
%RSD	.02435	8.7669	3.2313	3.0809	1.6761	636.48	.15813	.04956	48.522
#1	.00536	.00027	.00410	.04133	.68029	-.00132	9.7879	.09760	.00031
#2	.00536	.00024	.00429	.03957	.69661	.00084	9.8098	.09767	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**306.58**	**.00788**	**.10097**	**.04237**	**.90309**	**.00662**	**-.00094**	**1.3442**	**.00043**
Stddev	.22	.00033	.00017	.00096	.00553	.00075	.00235	.0280	.00117
%RSD	.07216	4.1358	.17131	2.2589	.61200	11.339	251.01	2.0870	274.14
#1	306.43	.00765	.10109	.04305	.89918	.00716	.00073	1.3244	-.00040
#2	306.74	.00811	.10084	.04169	.90700	.00609	-.00260	1.3640	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18217**	**-.00212**	**.00093**	**.00285**	**.01670**	**.00032**	**.00375**	**-.00025**
Stddev	.00046	.00133	.00016	.00126	.00868	.00035	.00020	.00024
%RSD	.25507	62.823	17.558	44.248	52.001	109.26	5.3082	96.475
#1	.18184	-.00118	.00082	.00196	.02284	.00007	.00389	-.00008
#2	.18250	-.00306	.00105	.00375	.01056	.00057	.00361	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4960.8**	**80934.**	**6707.4**
Stddev	4.9	30.	26.3
%RSD	.09940	.03737	.39164
#1	4957.3	80956.	6688.9
#2	4964.3	80913.	6726.0

Sample Name: 280-62282-B-4-C Acquired: 11/16/2014 22:50:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.04600**	**.00453**	**.02391**	**.12633**	**.00004**	**.00125**	**18.209**	**.00002**
Stddev	.00012	.00026	.00118	.00043	.00054	.00002	.00134	.014	.00018
%RSD	25.543	.55848	25.954	1.7957	.42935	57.553	107.33	.07762	868.73
#1	.00055	.04582	.00536	.02421	.12595	.00002	.00220	18.199	.00015
#2	.00038	.04618	.00370	.02361	.12671	.00006	.00030	18.219	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00182**	**.00639**	**.02604**	**1.0505**	**.00031**	**2.7862**	**.08508**	**.00031**
Stddev	.00025	.00019	.00045	.00295	.0179	.00096	.0098	.00025	.00011
%RSD	2124.4	10.559	7.0530	11.320	1.7005	312.10	.35139	.29429	36.201
#1	.00019	.00168	.00671	.02812	1.0378	-.00037	2.7931	.08526	.00023
#2	-.00017	.00195	.00607	.02395	1.0631	.00099	2.7793	.08490	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**323.03**	**.00970**	**.01154**	**.14151**	**1.9409**	**-.00040**	**-.00149**	**2.2754**	**-.00010**
Stddev	.32	.00014	.00237	.00037	.0094	.00099	.00188	.0152	.00028
%RSD	.10044	1.4347	20.511	.26105	.48618	246.14	126.00	.66897	291.72
#1	322.80	.00980	.00987	.14125	1.9343	-.00111	-.00016	2.2646	-.00029
#2	323.26	.00960	.01322	.14177	1.9476	.00030	-.00282	2.2862	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12331**	**-.00158**	**.02220**	**.00161**	**-.01383**	**.00746**	**.03288**	**.00282**
Stddev	.00004	.00008	.00065	.00002	.00213	.00018	.00015	.00069
%RSD	.03100	4.7849	2.9331	1.5152	15.372	2.4602	.45329	24.623
#1	.12328	-.00164	.02174	.00163	-.01233	.00733	.03299	.00331
#2	.12333	-.00153	.02266	.00160	-.01533	.00759	.03278	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4960.9**	**80804.**	**6686.1**
Stddev	12.6	280.	14.6
%RSD	.25466	.34674	.21845
#1	4951.9	80606.	6675.8
#2	4969.8	81002.	6696.5

Sample Name: 280-62282-C-5-C Acquired: 11/16/2014 22:53:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.05100**	**.00162**	**.01427**	**.16170**	**-.00002**	**.00217**	**18.064**	**.00013**
Stddev	.00004	.00010	.00067	.00021	.00007	.00003	.00157	.013	.00027
%RSD	35.451	.20037	41.438	1.4530	.04548	174.04	72.405	.07357	211.45
#1	.00012	.05092	.00114	.01412	.16165	-.00004	.00328	18.054	-.00006
#2	.00007	.05107	.00209	.01442	.16175	.00000	.00106	18.073	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.01340**	**.00496**	**.08310**	**.82132**	**-.00089**	**3.1764**	**.04352**	**.00022**
Stddev	.00031	.00005	.00011	.00034	.05713	.00061	.0020	.00010	.00029
%RSD	389.16	.38819	2.1816	.40832	6.9564	68.037	.06238	.23822	130.41
#1	.00014	.01336	.00488	.08286	.78092	-.00046	3.1750	.04345	.00043
#2	-.00030	.01344	.00503	.08334	.86172	-.00132	3.1778	.04360	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**345.26**	**.01717**	**.01218**	**.00325**	**1.0497**	**-.00051**	**-.00412**	**3.2152**	**.00024**
Stddev	.16	.00008	.00213	.00200	.0053	.00028	.00007	.0058	.00167
%RSD	.04491	.49017	17.455	61.517	.51013	55.399	1.6791	.18157	703.85
#1	345.15	.01711	.01368	.00467	1.0459	-.00031	-.00417	3.2193	-.00094
#2	345.37	.01723	.01068	.00184	1.0535	-.00071	-.00407	3.2111	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13512**	**-.00097**	**.02624**	**.00309**	**.00709**	**.00511**	**.07295**	**.00116**
Stddev	.00013	.00128	.00044	.00006	.02697	.00007	.00005	.00189
%RSD	.09456	131.79	1.6621	1.7883	380.29	1.3591	.06766	162.47
#1	.13503	-.00187	.02655	.00306	-.01198	.00515	.07292	.00249
#2	.13521	-.00007	.02593	.00313	.02616	.00506	.07299	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4947.1**	**81155.**	**6769.7**
Stddev	17.5	203.	.3
%RSD	.35379	.25063	.00388
#1	4934.7	81012.	6769.5
#2	4959.5	81299.	6769.9

Sample Name: 280-62282-B-6-C Acquired: 11/16/2014 22:56:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.11314**	**.00041**	**.01145**	**.25201**	**.00003**	**.00191**	**13.281**	**.00077**
Stddev	.00067	.00008	.00333	.00002	.00052	.00001	.00042	.026	.00003
%RSD	165.22	.07186	806.92	.15632	.20700	24.754	22.207	.19260	4.2984
#1	-.00007	.11320	.00277	.01147	.25164	.00004	.00221	13.263	.00075
#2	.00087	.11308	-.00194	.01144	.25238	.00003	.00161	13.299	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00205**	**.00194**	**.00928**	**.01171**	**.63552**	**.00207**	**1.8819**	**.18158**	**-.00006**
Stddev	.00004	.00005	.00004	.00550	.00926	.00050	.0116	.00049	.00000
%RSD	2.1884	2.7614	.44307	46.987	1.4574	24.009	.61376	.27014	4.1274
#1	.00201	.00198	.00925	.00782	.64207	.00172	1.8901	.18192	-.00006
#2	.00208	.00190	.00931	.01559	.62897	.00242	1.8738	.18123	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**320.83**	**.05261**	**.00034**	W **14.888**	**.72598**	**.00100**	**-.00012**	**1.3128**	**.00064**
Stddev	.31	.00009	.00081	.020	.00201	.00058	.00125	.0066	.00004
%RSD	.09794	.17530	237.14	.13631	.27716	57.794	1063.1	.49940	6.4545
#1	320.61	.05255	.00091	14.902	.72741	.00059	-.00100	1.3082	.00061
#2	321.06	.05268	-.00023	14.873	.72456	.00141	.00077	1.3174	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000					
Low Limit				-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09453**	**-.00056**	**.00098**	**.00161**	**-.00710**	**.00049**	**.06958**	**-.00054**
Stddev	.00066	.00006	.00023	.00012	.01794	.00015	.00002	.00019
%RSD	.70091	10.847	23.244	7.6181	252.74	30.346	.02254	34.568
#1	.09406	-.00060	.00082	.00170	.00559	.00039	.06956	-.00067
#2	.09500	-.00051	.00114	.00152	-.01978	.00060	.06959	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4963.8**	**80727.**	**6734.4**
Stddev	2.5	909.	18.9
%RSD	.04965	1.1265	.28043
#1	4962.1	80084.	6747.8
#2	4965.6	81370.	6721.1

Sample Name: 280-62282-B-7-C Acquired: 11/16/2014 22:58:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.08585**	**.00312**	**.03946**	**.21300**	**.00000**	**.00008**	**11.459**	**.00057**
Stddev	.00035	.00029	.00021	.00013	.00021	.00003	.00041	.017	.00002
%RSD	1185.8	.34104	6.6535	.31769	.09707	2612.3	492.61	.15091	3.6811
#1	.00028	.08606	.00326	.03937	.21286	-.00002	-.00020	11.472	.00058
#2	-.00022	.08564	.00297	.03955	.21315	.00002	.00037	11.447	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00261**	**.00083**	**.00424**	**.02714**	**.70332**	**.00034**	**.88270**	**.08519**	**.00049**
Stddev	.00019	.00003	.00042	.00039	.02809	.00001	.00076	.00011	.00003
%RSD	7.2133	3.5787	9.8045	1.4394	3.9941	4.2951	.08587	.12961	6.3355
#1	.00248	.00085	.00395	.02742	.72319	.00035	.88216	.08527	.00051
#2	.00275	.00081	.00453	.02687	.68346	.00033	.88324	.08511	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**310.19**	**.01567**	**.00593**	W **32.432**	**.30794**	**-.00021**	W **-.00796**	**.96952**	**.00042**
Stddev	.23	.00028	.00329	.001	.00534	.00221	.00432	.00138	.00083
%RSD	.07558	1.7750	55.420	.00173	1.7346	1068.1	54.327	.14217	199.58
#1	310.35	.01547	.00361	32.433	.30417	.00136	-.00490	.96855	-.00017
#2	310.02	.01587	.00826	32.432	.31172	-.00177	-.01102	.97049	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000			5.0000		
Low Limit				-.00300			-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06762**	**.00071**	**.01058**	**.00653**	**-.02711**	**.00044**	**.05096**	**.00077**
Stddev	.00010	.00159	.00005	.00068	.00532	.00054	.00031	.00031
%RSD	.14546	223.12	.43550	10.371	19.638	123.03	.60194	40.137
#1	.06755	.00184	.01061	.00701	-.03087	.00006	.05074	.00055
#2	.06768	-.00041	.01055	.00605	-.02335	.00083	.05118	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4973.6**	**80961.**	**6727.7**
Stddev	9.5	116.	5.6
%RSD	.19078	.14351	.08341
#1	4966.9	81043.	6731.7
#2	4980.3	80879.	6723.7

Sample Name: 280-62282-C-8-C Acquired: 11/16/2014 23:01:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.05285**	**.00501**	**.00981**	**.12283**	**-.00001**	**.00410**	**9.2321**	**.00067**
Stddev	.00046	.00004	.00097	.00035	.00024	.00001	.00191	.0316	.00007
%RSD	333.08	.07145	19.311	3.5167	.19651	54.977	46.513	.34234	11.071
#1	-.00019	.05288	.00432	.00957	.12300	-.00002	.00275	9.2544	.00062
#2	.00047	.05283	.00569	.01006	.12265	-.00001	.00545	9.2097	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00844**	**.00889**	**.02871**	**.64571**	**-.00090**	**1.1932**	**.22662**	**.00017**
Stddev	.00025	.00006	.00008	.00198	.01616	.00069	.0025	.00043	.00016
%RSD	20.555	.74839	.95370	6.9090	2.5023	77.018	.20701	.19148	95.627
#1	.00103	.00849	.00895	.02731	.65713	-.00041	1.1950	.22693	.00029
#2	.00138	.00840	.00883	.03012	.63428	-.00138	1.1915	.22631	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**326.85**	**.03199**	**.01302**	**3.2716**	**1.7235**	**.00128**	**.00004**	**.54456**	**.00013**
Stddev	.46	.00014	.00134	.0020	.0190	.00122	.00403	.00472	.00059
%RSD	.13998	.42686	10.298	.06076	1.1031	95.131	10971.	.86673	445.15
#1	327.17	.03208	.01397	3.2702	1.7101	.00042	.00288	.54122	-.00028
#2	326.52	.03189	.01207	3.2730	1.7369	.00215	-.00281	.54790	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06827**	**-.00104**	**.00215**	**.00071**	**-.00318**	**.00045**	**.06791**	**-.00110**
Stddev	.00035	.00030	.00048	.00040	.00516	.00047	.00016	.00177
%RSD	.51297	28.622	22.284	56.455	162.12	104.12	.23773	160.34
#1	.06851	-.00125	.00181	.00043	.00047	.00078	.06803	-.00235
#2	.06802	-.00083	.00249	.00100	-.00683	.00012	.06780	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4943.6**	**80658.**	**6723.8**
Stddev	11.4	271.	36.0
%RSD	.23089	.33597	.53488
#1	4935.5	80466.	6698.3
#2	4951.7	80849.	6749.2

Sample Name: ccvh-2982968 Acquired: 11/16/2014 23:04:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00676**	**51.077**	**-.00073**	**.00255**	**.00012**	**-.00003**	**.98527**	**-.10079**	**-.00040**	**.00162**	**-.00054**	**-.00117**	**51.979**
Stddev	.00064	.065	.00513	.00030	.00019	.00005	.00408	.00277	.00001	.00024	.00008	.00033	.002
%RSD	9.4209	.12814	700.13	11.605	165.92	144.44	.41367	2.7492	3.3332	14.867	14.220	28.318	.00379
#1	.00721	51.031	.00290	.00234	-.00002	-.00007	.98816	-.10275	-.00039	.00179	-.00059	-.00094	51.980
#2	.00631	51.123	-.00436	.00276	.00025	.00000	.98239	-.09883	-.00041	.00145	-.00048	-.00141	51.977
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03105**	**-.00192**	**.13122**	**-.00311**	**-.00172**	**252.25**	**.00082**	**.00646**	**.00382**	**4.8752**	**.00719**	**-.00037**	**-.01827**
Stddev	.01571	.00083	.00019	.00009	.00014	.11	.00071	.00296	.00039	.0015	.00038	.00069	.03790
%RSD	50.608	43.115	.14526	2.8379	8.2596	.04275	86.981	45.755	10.312	.03175	5.2695	185.28	207.38
#1	.01994	-.00134	.13109	-.00305	-.00162	252.32	.00031	.00437	.00409	4.8741	.00746	.00012	-.04507
#2	.04216	-.00251	.13136	-.00317	-.00182	252.17	.00132	.00855	.00354	4.8763	.00693	-.00086	.00852
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00043**	**4.7520**	**-.02365**	**.00264**	**9.6902**	**.00480**	**-.00026**	**-.03038**
Stddev	.00100	.00008	.0085	.00024	.00124	.0364	.00029	.00008	.00040
%RSD	73.220	19.597	.17923	1.0182	46.999	.37591	6.0076	29.242	1.3296
#1	.00208	.00049	4.7460	-.02348	.00352	9.7159	.00460	-.00021	-.03010
#2	.00066	.00037	4.7580	-.02382	.00176	9.6644	.00501	-.00032	-.03067
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5009.0**	**81910.**	**6810.8**
Stddev	2.3	7.	26.1
%RSD	.04681	.00852	.38282
#1	5010.7	81915.	6792.3
#2	5007.4	81905.	6829.2

Sample Name: ccv-2984587 Acquired: 11/16/2014 23:07:03 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47881**	**.49518**	**.96080**	**.48301**	**.50593**	**.48825**	**.01010**	**4.9098**	**.48502**	**.48638**	**.48489**	**.49055**	**2.5069**	**48.324**
Stddev	.00002	.00439	.00171	.00256	.00075	.00089	.00162	.0178	.00190	.00103	.00119	.00159	.0118	.159
%RSD	.00511	.88565	.17809	.52907	.14812	.18133	16.048	.36289	.39127	.21176	.24534	.32329	.47111	.32999
#1	.47882	.49828	.95959	.48481	.50646	.48888	.00895	4.9224	.48636	.48711	.48573	.49167	2.5153	48.437
#2	.47879	.49208	.96201	.48120	.50540	.48763	.01125	4.8972	.48368	.48565	.48405	.48943	2.4986	48.212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0304**	**18.965**	**.48199**	**.48574**	**5.3849**	**.49068**	**.95571**	**.97850**	**.01240**	**.96656**	**.95683**	**4.8941**	**.96879**	**.49952**
Stddev	.0064	.038	.00037	.00137	.0307	.00044	.00122	.00313	.00479	.00533	.00021	.0190	.00195	.00142
%RSD	.62424	.20022	.07674	.28122	.56944	.09055	.12792	.31954	38.651	.55180	.02246	.38903	.20166	.28456
#1	1.0349	18.992	.48225	.48671	5.4066	.49099	.95658	.98071	.01578	.97033	.95698	4.9076	.97017	.50052
#2	1.0258	18.938	.48173	.48478	5.3632	.49037	.95485	.97629	.00901	.96279	.95667	4.8807	.96741	.49851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00874**	**.48587**	**.98382**	**.04211**	**.47358**	**.47501**	**.49188**
Stddev	.00078	.00026	.00055	.00429	.00028	.00142	.00260
%RSD	8.8814	.05312	.05590	10.180	.05959	.29866	.52908
#1	.00819	.48569	.98421	.04514	.47378	.47401	.49372
#2	.00928	.48605	.98343	.03908	.47338	.47601	.49004
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5128.4**	**83756.**	**6809.6**
Stddev	1.2	187.	35.8
%RSD	.02248	.22368	.52611
#1	5129.2	83888.	6784.3
#2	5127.6	83624.	6835.0

Sample Name: CCB Acquired: 11/16/2014 23:09:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00202**	**-.00077**	W **.00289**	**-.00046**	**.00009**	**-.00091**	**.00121**	**.00008**	**-.00016**	**-.00055**
Stddev	.00011	.00024	.00164	.00053	.00029	.00003	.00026	.00390	.00006	.00007	.00013
%RSD	16.177	12.057	212.06	18.274	63.628	37.552	28.799	322.04	81.744	44.829	24.013
#1	.00061	-.00220	.00039	.00326	-.00067	.00007	-.00110	-.00155	.00012	-.00011	-.00064
#2	.00077	-.00185	-.00194	.00251	-.00025	.00011	-.00072	.00397	.00003	-.00020	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00074**	**-.03688**	W **-.00263**	**.00233**	**.00007**	**.00032**	F **.28287**	**.00012**	**.00203**	**.00055**
Stddev	.00028	.00109	.01451	.00043	.00287	.00006	.00018	.00870	.00037	.00190	.00089
%RSD	471.08	147.51	39.341	16.343	123.16	85.172	54.633	3.0749	318.38	93.605	161.42
#1	.00014	-.00151	-.02662	-.00233	.00436	.00003	.00020	.28902	.00037	.00069	.00118
#2	-.00026	.00003	-.04714	-.00294	.00030	.00010	.00045	.27672	-.00014	.00338	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.20152			
Low Limit				-.00261				-.20152			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01786**	**-.00111**	**.00268**	**.00658**	**.00098**	**.00004**	**-.00041**	**-.00035**	**-.00025**	**-.00806**	**-.00005**
Stddev	.00274	.00091	.00364	.01207	.00006	.00001	.00037	.00020	.00043	.00041	.00027
%RSD	15.365	82.053	135.92	183.46	5.7901	32.270	90.388	57.000	173.80	5.0877	575.28
#1	.01980	-.00047	.00010	-.00196	.00102	.00003	-.00015	-.00021	-.00055	-.00835	.00014
#2	.01592	-.00176	.00525	.01511	.00094	.00005	-.00067	-.00050	.00006	-.00777	-.00024
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00073**	**-.00111**
Stddev	.00029	.00059
%RSD	38.890	53.529
#1	-.00053	-.00153
#2	-.00094	-.00069
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5174.9**	**85604.**	**6777.9**
Stddev	7.9	129.	18.7
%RSD	.15228	.15015	.27647
#1	5180.4	85513.	6791.2
#2	5169.3	85695.	6764.7

Sample Name: CCVL2994263 Acquired: 11/16/2014 23:12:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.10759**	**.01384**	**.10211**	**.01080**	**.00106**	**.11306**	**.21622**	**.00526**	**.01055**	**.00978**	**.01643**
Stddev	.00002	.00031	.00131	.00023	.00020	.00007	.00042	.00102	.00004	.00001	.00020	.00009
%RSD	.14785	.28409	9.4359	.22692	1.8867	6.1784	.37270	.47288	.75110	.07205	2.0866	.57284
#1	.01074	.10737	.01292	.10227	.01066	.00111	.11276	.21694	.00524	.01056	.00963	.01637
#2	.01076	.10781	.01476	.10194	.01095	.00102	.11336	.21549	.00529	.01055	.00992	.01650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10815**	**3.1772**	**.01135**	**.21574**	**.01057**	**.02053**	F **1.3858**	**.04320**	**2.9721**	**.00976**	**.01295**	**.01176**
Stddev	.00163	.0083	.00133	.00003	.00004	.00038	.0064	.00006	.0022	.00045	.00177	.00122
%RSD	1.5034	.26177	11.751	.01351	.36335	1.8430	.46270	.15025	.07393	4.6388	13.680	10.341
#1	.10701	3.1713	.01041	.21576	.01054	.02026	1.3903	.04316	2.9737	.00944	.01420	.01262
#2	.10930	3.1831	.01229	.21572	.01059	.02080	1.3813	.04325	2.9706	.01008	.01169	.01090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01288**	**.51786**	**.10442**	**.01096**	**.01469**	**.01046**	**.01716**	**.06093**	**.01027**	**.02006**	**.01567**
Stddev	.00126	.01206	.00011	.00002	.00006	.00025	.00123	.00133	.00008	.00071	.00153
%RSD	9.7740	2.3298	.10433	.22224	.43378	2.3455	7.1557	2.1774	.81282	3.5310	9.7593
#1	.01377	.50933	.10450	.01095	.01473	.01029	.01803	.05999	.01021	.02056	.01459
#2	.01199	.52639	.10434	.01098	.01464	.01063	.01629	.06187	.01033	.01956	.01676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5196.9**	**85810.**	**6783.7**
Stddev	.3	217.	4.3
%RSD	.00523	.25343	.06352
#1	5196.7	85657.	6786.7
#2	5197.1	85964.	6780.6

Sample Name: MB 280-251459/1-A Acquired: 11/16/2014 23:14:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/6 Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00092**	**-.00227**	**.00216**	**-.00045**	**-.00006**	**-.00208**	**.00622**	**.00012**
Stddev	.00043	.00032	.00083	.00048	.00027	.00003	.00012	.00058	.00002
%RSD	98.601	35.140	36.524	22.041	60.426	49.040	5.6165	9.3068	15.098
#1	.00013	.00069	-.00286	.00182	-.00026	-.00004	-.00216	.00581	.00011
#2	.00074	.00115	-.00168	.00250	-.00065	-.00008	-.00200	.00663	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00066**	**.00073**	**.00222**	**-.04884**	**-.00287**	**.00289**	**.00006**	**.00001**
Stddev	.00001	.00020	.00007	.00193	.04629	.00052	.00077	.00003	.00032
%RSD	1.2752	29.639	9.3081	87.248	94.781	18.260	26.670	48.281	4005.9
#1	-.00041	-.00052	.00078	.00358	-.08157	-.00324	.00344	.00004	.00024
#2	-.00042	-.00080	.00068	.00085	-.01611	-.00250	.00235	.00008	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21880**	**-.00002**	**.00066**	**-.00075**	**.02321**	**.00066**	**-.00482**	**.00103**	**-.00050**
Stddev	.01480	.00032	.00211	.00043	.00128	.00135	.00180	.00831	.00020
%RSD	6.7650	2082.6	320.62	57.654	5.5137	202.89	37.310	810.00	40.330
#1	.22927	.00021	-.00083	-.00105	.02230	.00162	-.00355	-.00485	-.00035
#2	.20834	-.00024	.00215	-.00044	.02411	-.00029	-.00609	.00690	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00111**	**-.00000**	**-.00133**	**-.01262**	**-.00013**	**.00044**	**.00004**
Stddev	.00005	.00082	.00005	.00053	.00050	.00027	.00044	.00147
%RSD	198.23	73.806	1460.4	39.591	3.9782	211.00	98.536	3504.7
#1	.00005	-.00053	-.00004	-.00170	-.01226	-.00032	.00013	.00108
#2	-.00001	-.00169	.00003	-.00096	-.01297	.00006	.00075	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5234.4**	**86928.**	**6852.6**
Stddev	18.9	97.	25.0
%RSD	.36121	.11150	.36550
#1	5247.8	86996.	6834.9
#2	5221.0	86859.	6870.3

Sample Name: LCS 280-251459/2-A Acquired: 11/16/2014 23:17:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05764**	**2.1106**	**1.0653**	**1.0905**	F **2.2939**	**.05466**	F **2.2273**	F **55.166**	**.10416**
Stddev	.00036	.0049	.0006	.0005	.0067	.00025	.0026	.249	.00046
%RSD	.62803	.23131	.05995	.04302	.29225	.45409	.11824	.45180	.43874
#1	.05790	2.1141	1.0649	1.0908	2.2892	.05448	2.2292	54.990	.10383
#2	.05739	2.1072	1.0658	1.0901	2.2986	.05484	2.2255	55.342	.10448
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit	.05750				2.2600		2.2000	55.000	
Low Limit	.04300				1.8000		1.8000	44.500	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53393**	**.21854**	**.27411**	F **1.3177**	**54.857**	F **1.1598**	**52.364**	**.53384**	F **1.1132**
Stddev	.00118	.00009	.00121	.0089	.249	.0056	.027	.00065	.0006
%RSD	.22091	.04056	.44270	.67357	.45419	.48263	.05099	.12093	.05084
#1	.53476	.21847	.27325	1.3114	54.681	1.1558	52.382	.53339	1.1128
#2	.53309	.21860	.27496	1.3240	55.034	1.1637	52.345	.53430	1.1136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit				1.1400		1.1400			1.1000
Low Limit				.88000		.89000			.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.635**	**.53539**	**11.074**	**.54114**	**2.1737**	F **.54605**	**2.1389**	**11.133**	**2.1707**
Stddev	.251	.00008	.004	.00135	.0001	.00172	.0013	.001	.0023
%RSD	.43632	.01484	.03645	.24866	.00435	.31583	.06212	.00743	.10539
#1	57.458	.53533	11.071	.54209	2.1737	.54727	2.1399	11.134	2.1724
#2	57.813	.53544	11.077	.54019	2.1736	.54483	2.1380	11.132	2.1691
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	56.000					.54000			
Low Limit	45.500					.44000			

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1262**	**1.0467**	**1.0937**	**2.1110**	**2.1548**	**.53565**	**.54223**	**.55226**
Stddev	.0047	.0013	.0003	.0054	.0248	.00092	.00123	.00085
%RSD	.41350	.12128	.03007	.25681	1.1494	.17198	.22739	.15306
#1	1.1229	1.0458	1.0935	2.1148	2.1373	.53630	.54136	.55166
#2	1.1294	1.0476	1.0939	2.1071	2.1723	.53500	.54310	.55286
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.1000							
Low Limit	.91000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4975.7**	**82625.**	**6754.9**
Stddev	6.4	210.	67.8
%RSD	.12941	.25399	1.0042
#1	4971.2	82774.	6802.9
#2	4980.3	82477.	6706.9

Sample Name: 280-61957-H-11-B Acquired: 11/16/2014 23:20:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00551**	**.00477**	**.60531**	**.01323**	**-.00008**	**-.00069**	**82.701**	**.00027**
Stddev	.00002	.00001	.00494	.00128	.00004	.00005	.00227	.710	.00016
%RSD	8.2683	.25512	103.59	.21210	.30035	60.166	328.51	.85830	58.326
#1	.00022	-.00552	.00128	.60440	.01321	-.00011	-.00229	83.203	.00038
#2	.00025	-.00550	.00826	.60622	.01326	-.00004	.00091	82.199	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00025**	**.00166**	**.07450**	**1.3099**	**.13246**	**15.087**	**.02013**	**.00664**
Stddev	.00009	.00014	.00002	.00119	.0066	.00210	.006	.00018	.00029
%RSD	148.74	57.292	1.3531	1.5991	.50210	1.5891	.04010	.90102	4.3972
#1	-.00013	.00035	.00164	.07534	1.3053	.13394	15.083	.02000	.00684
#2	.00000	.00015	.00168	.07366	1.3146	.13097	15.092	.02026	.00643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **589.81**	**.00100**	**.02830**	**-.00128**	**277.19**	**.00214**	**.00517**	**4.2229**	**-.00070**
Stddev	4.03	.00045	.00066	.00048	.03	.00155	.00267	.0374	.00074
%RSD	.68282	45.395	2.3184	37.873	.01171	72.122	51.505	.88438	106.34
#1	592.65	.00068	.02876	-.00094	277.21	.00105	.00706	4.2493	-.00122
#2	586.96	.00131	.02783	-.00162	277.17	.00324	.00329	4.1965	-.00017
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4793**	**-.00077**	**.00021**	**.00155**	**.03901**	**.00570**	**.28015**	**.00007**
Stddev	.0126	.00133	.00005	.00063	.00924	.00040	.00074	.00236
%RSD	.22947	172.86	23.422	40.472	23.701	6.9839	.26466	3198.6
#1	5.4704	-.00171	.00017	.00110	.04554	.00542	.28068	.00175
#2	5.4882	.00017	.00024	.00199	.03247	.00599	.27963	-.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4832.3**	**78607.**	**6651.6**
Stddev	.9	118.	25.4
%RSD	.01852	.15058	.38228
#1	4831.7	78524.	6633.6
#2	4832.9	78691.	6669.5

Sample Name: 280-61957-H-11-BSD@5 Acquired: 11/16/2014 23:23:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**-.00017**	**.00063**	**.12661**	**.00232**	**-.00001**	**.00203**	**16.392**	**.00022**
Stddev	.00044	.00014	.00196	.00023	.00010	.00000	.00017	.018	.00004
%RSD	96.545	82.500	310.97	.18037	4.3411	26.351	8.3416	.10773	20.158
#1	.00077	-.00007	.00202	.12645	.00225	-.00001	.00215	16.380	.00025
#2	.00015	-.00026	-.00076	.12678	.00240	-.00002	.00191	16.405	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00044**	**.00048**	**.05170**	**.23418**	**.02406**	**3.1382**	**.00424**	**.00144**
Stddev	.00008	.00008	.00009	.00104	.01640	.00052	.0001	.00003	.00038
%RSD	2641.7	17.905	19.067	2.0162	7.0049	2.1642	.00392	.74358	26.350
#1	.00006	-.00039	.00054	.05244	.24578	.02443	3.1383	.00426	.00171
#2	-.00006	-.00050	.00041	.05096	.22258	.02369	3.1381	.00422	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.80**	**.00010**	**.00441**	**-.00133**	**54.498**	**.00121**	**.00317**	**.84908**	**-.00044**
Stddev	.07	.00012	.00360	.00135	.028	.00330	.00648	.01746	.00007
%RSD	.06294	116.77	81.581	101.36	.05194	272.87	204.49	2.0558	16.134
#1	118.85	.00002	.00696	-.00229	54.518	-.00112	.00775	.86142	-.00039
#2	118.74	.00019	.00187	-.00038	54.478	.00354	-.00141	.83674	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1099**	**-.00070**	**-.00014**	**.00099**	**-.02558**	**.00084**	**.05530**	**-.00113**
Stddev	.0025	.00286	.00036	.00218	.03552	.00003	.00062	.00181
%RSD	.22232	409.97	247.89	219.87	138.87	3.2701	1.1190	159.73
#1	1.1081	-.00272	.00011	.00253	-.00046	.00082	.05574	-.00241
#2	1.1116	.00133	-.00040	-.00055	-.05070	.00086	.05486	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5046.8**	**83422.**	**6767.0**
Stddev	.6	104.	1.9
%RSD	.01111	.12438	.02741
#1	5047.2	83348.	6768.3
#2	5046.4	83495.	6765.6

Sample Name: 280-61957-H-11-C MS Acquired: 11/16/2014 23:25:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05848**	**2.0169**	**1.0966**	**1.6736**	**2.3086**	**.05499**	**2.1938**	**137.10**	**.10433**
Stddev	.00047	.0002	.0016	.0002	.0069	.00015	.0050	.36	.00010
%RSD	.79737	.01114	.14827	.01463	.29968	.27572	.22545	.26213	.09894
#1	.05815	2.0167	1.0978	1.6738	2.3135	.05510	2.1903	137.36	.10440
#2	.05881	2.0170	1.0955	1.6735	2.3037	.05488	2.1973	136.85	.10426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52741**	**.21659**	**.27561**	**1.1248**	**57.309**	**1.3121**	**65.723**	**.55229**	**1.1164**
Stddev	.00065	.00024	.00011	.0080	.157	.0077	.147	.00040	.0005
%RSD	.12315	.10969	.03913	.71360	.27458	.58819	.22300	.07204	.04813
#1	.52787	.21643	.27569	1.1305	57.420	1.3176	65.620	.55201	1.1168
#2	.52695	.21676	.27553	1.1192	57.197	1.3066	65.827	.55257	1.1160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **644.39**	**.52730**	**11.761**	**.51707**	**282.12**	**.54585**	**2.2016**	**15.435**	**2.1244**
Stddev	1.87	.00068	.003	.00039	.07	.00035	.0063	.015	.0006
%RSD	.29049	.12893	.02491	.07585	.02638	.06403	.28825	.10002	.03006
#1	645.71	.52682	11.759	.51680	282.18	.54610	2.2061	15.446	2.1239
#2	643.06	.52778	11.763	.51735	282.07	.54561	2.1971	15.424	2.1248
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6123**	**1.0617**	**1.0989**	**1.9104**	**2.2372**	**.54667**	**.54512**	**.55535**
Stddev	.0640	.0039	.0014	.0013	.0340	.00283	.00106	.00008
%RSD	.96792	.36644	.12889	.06636	1.5203	.51694	.19393	.01459
#1	6.6576	1.0644	1.0999	1.9113	2.2132	.54468	.54586	.55540
#2	6.5671	1.0589	1.0979	1.9095	2.2613	.54867	.54437	.55529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4729.5**	**77875.**	**6685.5**
Stddev	9.8	123.	11.6
%RSD	.20703	.15756	.17395
#1	4722.6	77962.	6677.3
#2	4736.4	77789.	6693.8

Sample Name: 280-61957-H-11-D MSD Acquired: 11/16/2014 23:28:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05783**	**1.9788**	**1.0751**	**1.6427**	**2.2735**	**.05411**	**2.1535**	**135.64**	**.10246**
Stddev	.00057	.0004	.0035	.0015	.0128	.00023	.0008	.70	.00016
%RSD	.99295	.01947	.32958	.09341	.56237	.42444	.03781	.51678	.16038
#1	.05823	1.9785	1.0726	1.6438	2.2826	.05427	2.1541	136.14	.10258
#2	.05742	1.9791	1.0776	1.6416	2.2645	.05395	2.1529	135.15	.10234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51726**	**.21198**	**.27028**	**1.1047**	**56.499**	**1.2962**	**64.337**	**.54148**	**1.0972**
Stddev	.00032	.00068	.00021	.0047	.302	.0080	.104	.00064	.0011
%RSD	.06201	.31955	.07603	.42325	.53495	.61745	.16122	.11775	.10005
#1	.51704	.21245	.27042	1.1080	56.713	1.3018	64.411	.54194	1.0980
#2	.51749	.21150	.27013	1.1014	56.285	1.2905	64.264	.54103	1.0965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **640.65**	**.51738**	**11.526**	**.50469**	**278.72**	**.53406**	**2.1509**	**15.271**	**2.0872**
Stddev	3.68	.00011	.009	.00038	.22	.00119	.0102	.101	.0021
%RSD	.57432	.02120	.07661	.07535	.07917	.22281	.47372	.66089	.10241
#1	643.25	.51746	11.532	.50442	278.88	.53322	2.1581	15.342	2.0887
#2	638.05	.51730	11.520	.50496	278.57	.53490	2.1437	15.199	2.0857
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6463**	**1.0395**	**1.0823**	**1.8736**	**2.1355**	**.53712**	**.53291**	**.54715**
Stddev	.0811	.0015	.0009	.0043	.0335	.00073	.00114	.00587
%RSD	1.2207	.14676	.08424	.23117	1.5673	.13560	.21361	1.0729
#1	6.7037	1.0406	1.0829	1.8766	2.1119	.53763	.53371	.55130
#2	6.5890	1.0384	1.0816	1.8705	2.1592	.53660	.53210	.54300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4742.6**	**78214.**	**6664.6**
Stddev	1.9	138.	14.9
%RSD	.04033	.17587	.22327
#1	4743.9	78116.	6654.1
#2	4741.2	78311.	6675.1

Sample Name: 280-61957-H-11-B PDS Acquired: 11/16/2014 23:31:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00749**	**1.0724**	**.22423**	**.69605**	**.13106**	**.05718**	**-.00110**	**103.10**	**.05561**
Stddev	.00004	.0014	.00292	.00420	.00088	.00032	.00094	.77	.00044
%RSD	.56898	.13020	1.3009	.60299	.67465	.55673	85.244	.74794	.79127
#1	.00752	1.0714	.22629	.69902	.13169	.05741	-.00044	103.65	.05592
#2	.00746	1.0734	.22217	.69308	.13044	.05696	-.00176	102.56	.05530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05453**	**.05535**	**.05845**	**1.2503**	**24.468**	**.24993**	**35.381**	**.07480**	**.05970**
Stddev	.00018	.00004	.00025	.0069	.113	.00011	.040	.00012	.00024
%RSD	.33810	.07822	.43461	.54924	.46062	.04235	.11320	.15905	.40240
#1	.05466	.05532	.05863	1.2552	24.547	.24986	35.409	.07488	.05953
#2	.05440	.05538	.05828	1.2455	24.388	.25001	35.352	.07471	.05987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **598.26**	**.05581**	**2.4491**	**.10612**	**269.72**	**.10539**	**.22826**	**9.5845**	**.10321**
Stddev	4.58	.00002	.0090	.00089	1.14	.00126	.00462	.0883	.00000
%RSD	.76597	.03153	.36793	.84228	.42357	1.1984	2.0223	.92110	.00313
#1	601.50	.05580	2.4555	.10549	270.52	.10450	.22500	9.6469	.10321
#2	595.02	.05582	2.4427	.10676	268.91	.10628	.23152	9.5221	.10321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4352**	**.21858**	**.05301**	**.19996**	**.60898**	**.06319**	**.49325**	**.05366**
Stddev	.0021	.00106	.00019	.00070	.01131	.00018	.00021	.00046
%RSD	.03836	.48657	.35504	.35009	1.8573	.27898	.04334	.85971
#1	5.4337	.21783	.05314	.19946	.61698	.06331	.49340	.05399
#2	5.4366	.21933	.05288	.20045	.60099	.06306	.49310	.05334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4750.8**	**78498.**	**6689.4**
Stddev	23.1	21.	37.0
%RSD	.48588	.02632	.55385
#1	4767.2	78483.	6663.2
#2	4734.5	78513.	6715.6

Sample Name: 280-61957-H-12-B Acquired: 11/16/2014 23:34:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251459 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00158**	**.00337**	**.64414**	**.01448**	**.00006**	**.00176**	**86.524**	**.00007**
Stddev	.00058	.00004	.00207	.00127	.00005	.00001	.00226	.499	.00006
%RSD	160.65	2.6162	61.209	.19757	.34905	12.356	129.01	.57617	83.110
#1	.00077	-.00161	.00191	.64504	.01451	.00007	.00015	86.877	.00011
#2	-.00005	-.00155	.00484	.64324	.01444	.00006	.00336	86.172	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00009**	**.00207**	**.00835**	**1.3715**	**.18194**	**13.696**	**.00035**	**.01798**
Stddev	.00007	.00011	.00090	.00036	.0313	.00116	.005	.00005	.00001
%RSD	102.68	118.86	43.414	4.3671	2.2842	.63613	.03607	13.536	.06937
#1	.00002	.00001	.00271	.00809	1.3937	.18112	13.692	.00032	.01799
#2	.00012	.00017	.00144	.00861	1.3494	.18276	13.699	.00038	.01797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **593.77**	**.00052**	**.02166**	W **-.00305**	**293.49**	**.00183**	**.02092**	**5.5041**	**-.00054**
Stddev	2.77	.00014	.00093	.00024	.51	.00024	.00155	.0395	.00029
%RSD	.46577	27.105	4.2890	7.7640	.17321	13.348	7.4056	.71740	53.963
#1	595.73	.00042	.02100	-.00321	293.85	.00166	.01982	5.5320	-.00074
#2	591.82	.00062	.02231	-.00288	293.13	.00200	.02201	5.4761	-.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00			10.000					
Low Limit	10.000			-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4777**	**-.00135**	**.00007**	**.00120**	**.07735**	**.01291**	**.01154**	**-.00198**
Stddev	.0956	.00227	.00060	.00047	.02432	.00070	.00084	.00075
%RSD	1.7455	167.79	889.75	39.421	31.449	5.4098	7.2919	37.755
#1	5.5453	.00025	.00049	.00153	.06015	.01340	.01095	-.00250
#2	5.4101	-.00296	-.00035	.00087	.09455	.01241	.01214	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4756.0**	**78045.**	**6660.3**
Stddev	.3	120.	90.7
%RSD	.00645	.15366	1.3624
#1	4755.8	78130.	6596.2
#2	4756.2	77960.	6724.5

Sample Name: ccvh-2982968 Acquired: 11/16/2014 23:37:48 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00709**	F **55.136**	**-.00009**	**.00745**	**.00049**	**-.00011**	**1.0470**	**-.08701**	**-.00063**	**.00161**	**-.00017**	**-.00267**
Stddev	.00032	.058	.00153	.00003	.00021	.00005	.0037	.00053	.00013	.00044	.00002	.00033
%RSD	4.4888	.10432	1779.5	.45595	42.503	46.216	.35444	.60783	20.303	27.568	14.151	12.210
#1	.00686	55.095	-.00116	.00743	.00034	-.00008	1.0444	-.08663	-.00054	.00192	-.00016	-.00290
#2	.00731	55.177	.00099	.00748	.00064	-.00015	1.0497	-.08738	-.00073	.00130	-.00019	-.00244
Check ?	None	Chk Fail	None	None	None	None	Chk Pass	None	None	None	None	None
Value		50.000										
Range		10.000%										

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **55.827**	**.03685**	**-.00125**	**.14543**	**-.00336**	**-.00166**	**270.87**	**.00147**	**.00594**	**.00128**	**5.2711**	**.00808**
Stddev	.008	.07190	.00236	.00256	.00002	.00009	.44	.00015	.00151	.00141	.0051	.00061
%RSD	.01476	195.10	188.02	1.7610	.68210	5.2682	.16221	10.096	25.466	110.77	.09614	7.5446
#1	55.821	-.01399	.00041	.14724	-.00338	-.00160	270.56	.00136	.00701	.00228	5.2746	.00851
#2	55.833	.08770	-.00292	.14361	-.00335	-.00172	271.18	.00157	.00487	.00028	5.2675	.00765
Check ?	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value	50.000											
Range	10.000%											

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00269**	**-.00969**	**.00168**	**.00136**	**5.1398**	**-.02516**	**.00258**	**10.385**	**.00378**	**-.00109**	**-.03492**
Stddev	.00114	.01542	.00031	.00002	.0037	.00044	.00054	.005	.00028	.00056	.00090
%RSD	42.553	159.19	18.226	1.2551	.07187	1.7408	20.764	.04993	7.2971	50.990	2.5913
#1	-.00350	.00122	.00190	.00137	5.1372	-.02485	.00296	10.388	.00397	-.00148	-.03428
#2	-.00188	-.02059	.00147	.00134	5.1424	-.02547	.00220	10.381	.00358	-.00070	-.03556
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4927.9**	**80612.**	**6721.0**
Stddev	1.7	232.	26.7
%RSD	.03396	.28740	.39692
#1	4926.7	80775.	6702.2
#2	4929.0	80448.	6739.9

Sample Name: ccv-2984587 Acquired: 11/16/2014 23:40:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49701**	**.51682**	**.99309**	**.50243**	**.52557**	**.50810**	**.00924**	**5.1319**	**.49809**	**.50388**	**.50846**	**.50598**
Stddev	.00052	.00173	.00725	.00051	.00075	.00026	.00024	.0059	.00102	.00035	.00058	.00031
%RSD	.10380	.33450	.72997	.10156	.14194	.05190	2.6032	.11512	.20385	.07028	.11320	.06172
#1	.49664	.51804	.98796	.50207	.52610	.50829	.00941	5.1360	.49881	.50413	.50887	.50576
#2	.49737	.51559	.99822	.50279	.52504	.50792	.00907	5.1277	.49737	.50363	.50806	.50620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6286**	**50.219**	**1.0765**	**19.539**	**.50119**	**.50969**	F **5.6721**	**.50814**	**.99892**	**1.0146**	**.05850**	**.99780**
Stddev	.0053	.059	.0028	.049	.00062	.00108	.0120	.00001	.00004	.0000	.01140	.00058
%RSD	.20326	.11707	.26287	.24955	.12384	.21273	.21084	.00131	.00351	.00349	19.480	.05788
#1	2.6248	50.261	1.0785	19.573	.50163	.50892	5.6805	.50815	.99894	1.0146	.06656	.99821
#2	2.6324	50.178	1.0745	19.504	.50075	.51045	5.6636	.50814	.99889	1.0146	.05044	.99739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99610**	**5.1201**	**1.0083**	**.52327**	**.01022**	**.50607**	**1.0174**	**.03512**	**.49373**	**.49449**	**.51392**
Stddev	.00380	.0068	.0008	.00086	.00000	.00038	.0014	.01567	.00010	.00052	.00237
%RSD	.38168	.13292	.08000	.16522	.00939	.07421	.13958	44.626	.01984	.10526	.46081
#1	.99341	5.1153	1.0089	.52388	.01022	.50581	1.0184	.04620	.49380	.49485	.51225
#2	.99879	5.1249	1.0078	.52265	.01022	.50634	1.0164	.02404	.49366	.49412	.51560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5078.3**	**83589.**	**6695.8**
Stddev	8.3	252.	23.2
%RSD	.16344	.30192	.34581
#1	5084.2	83411.	6679.4
#2	5072.5	83768.	6712.1

Sample Name: CCB Acquired: 11/16/2014 23:42:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00271**	**.00025**	F **.00541**	**-.00040**	**.00003**	**-.00086**	**.00569**	**-.00000**	**-.00020**	**.00007**	W **.00173**
Stddev	.00032	.00050	.00296	.00020	.00023	.00002	.00095	.00293	.00013	.00017	.00022	.00015
%RSD	160.04	18.403	1190.7	3.7058	57.481	46.051	110.53	51.529	4522.4	84.207	306.83	8.4813
#1	.00043	-.00306	.00234	.00555	-.00057	.00002	-.00153	.00362	-.00009	-.00008	-.00008	.00162
#2	-.00003	-.00235	-.00184	.00527	-.00024	.00004	-.00019	.00776	.00009	-.00032	.00022	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00312								.00136
Low Limit				-.00312								-.00136

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2244**	**.02134**	**.00008**	**.00548**	F **.00666**	**.00044**	F **.33074**	**.00033**	**-.00096**	**-.00094**	**.04461**	**.00010**
Stddev	.0010	.03890	.00253	.00370	.00001	.00033	.01382	.00038	.00125	.00012	.00010	.00099
%RSD	.08065	182.29	3163.1	67.510	.08336	75.385	4.1783	117.29	129.60	12.430	.21988	1006.0
#1	1.2251	-.00617	-.00171	.00809	.00666	.00068	.34052	.00006	-.00008	-.00102	.04468	.00080
#2	1.2237	.04885	.00187	.00286	.00667	.00021	.32097	.00060	-.00185	-.00086	.04454	-.00060
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.04400				.00051		.20152					
Low Limit	-.04400				-.00051		-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**-.00435**	**-.00001**	W **.00032**	**-.00171**	**.00007**	**.00085**	**.00135**	**.00008**	**-.00079**	**-.00098**
Stddev	.00445	.00470	.00097	.00007	.00065	.00030	.00022	.04553	.00011	.00014	.00123
%RSD	341.48	108.19	9429.5	20.748	38.173	460.74	25.342	3372.3	129.40	18.073	125.69
#1	.00445	-.00102	.00068	.00037	-.00125	-.00015	.00100	.03355	.00016	-.00069	-.00185
#2	-.00185	-.00767	-.00070	.00027	-.00217	.00028	.00070	-.03085	.00001	-.00089	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00030							
Low Limit				-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5148.0**	**85132.**	**6685.1**
Stddev	8.7	799.	17.9
%RSD	.16926	.93873	.26827
#1	5141.8	84567.	6697.8
#2	5154.1	85697.	6672.4

Sample Name: CCVL2994263 Acquired: 11/16/2014 23:45:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**.11305**	W **.01859**	**.10804**	**.01103**	**.00116**	**.11795**	**.23222**	**.00531**	**.01096**	**.01031**	**.01663**
Stddev	.00045	.00033	.00191	.00061	.00007	.00001	.00267	.00106	.00000	.00005	.00030	.00016
%RSD	3.9539	.29549	10.251	.56325	.63588	1.1582	2.2652	.45511	.02215	.45181	2.8666	.97311
#1	.01104	.11329	.01724	.10847	.01108	.00115	.11606	.23147	.00531	.01093	.01010	.01675
#2	.01168	.11282	.01994	.10761	.01098	.00117	.11984	.23296	.00531	.01100	.01052	.01652
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500									
Range			20.000%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.21269**	**3.2997**	**.01154**	**.21879**	**.01107**	**.02155**	F **1.4538**	**.04422**	**3.0877**	**.00888**	**.03733**	**.01155**
Stddev	.00015	.0614	.00220	.00042	.00004	.00028	.0051	.00024	.0054	.00027	.00286	.00045
%RSD	.06941	1.8601	19.094	.19375	.31959	1.2947	.34822	.54739	.17440	3.0891	7.6573	3.8550
#1	.21280	3.3431	.00998	.21849	.01105	.02135	1.4574	.04439	3.0839	.00868	.03531	.01124
#2	.21259	3.2563	.01310	.21909	.01110	.02175	1.4502	.04405	3.0915	.00907	.03935	.01187
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.10000						1.0000					
Range	30.000%						30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01502**	**.52581**	**.10918**	**.01168**	**.01458**	**.01060**	**.01717**	F **.09630**	**.01031**	**.02116**	**.01429**
Stddev	.00338	.00776	.00049	.00006	.00109	.00018	.00025	.03380	.00074	.00091	.00019
%RSD	22.539	1.4755	.44439	.48440	7.4786	1.6627	1.4629	35.098	7.1758	4.3014	1.3566
#1	.01262	.52033	.10952	.01172	.01381	.01073	.01700	.12020	.01083	.02052	.01443
#2	.01741	.53130	.10884	.01164	.01535	.01048	.01735	.07240	.00979	.02180	.01415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5184.9**	**85736.**	**6730.3**
Stddev	5.6	329.	71.3
%RSD	.10839	.38343	1.0592
#1	5188.9	85968.	6780.8
#2	5181.0	85504.	6679.9

Sample Name: MB 280-251713/1-A Acquired: 11/16/2014 23:48:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/8 Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00233**	**-.00052**	**.00285**	**-.00015**	**-.00001**	**.00009**	**.02099**	**.00017**
Stddev	.00027	.00087	.00078	.00026	.00001	.00005	.00143	.00247	.00024
%RSD	78.439	37.285	150.81	9.0024	5.5562	654.45	1510.0	11.786	144.48
#1	.00053	.00294	.00003	.00267	-.00014	.00003	.00111	.02274	.00034
#2	.00015	.00171	-.00107	.00303	-.00015	-.00004	-.00092	.01924	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00032**	**.00011**	**.02777**	**-.03786**	**-.00160**	**.00635**	**.00027**	**.00022**
Stddev	.00004	.00008	.00010	.00058	.01974	.00286	.00129	.00001	.00023
%RSD	33.629	24.633	91.983	2.0710	52.134	178.00	20.345	4.5497	107.04
#1	-.00009	-.00026	.00004	.02736	-.02391	-.00362	.00544	.00028	.00038
#2	-.00015	-.00038	.00019	.02817	-.05182	.00042	.00727	.00026	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27139**	**.00041**	**.00167**	**-.00050**	**.04020**	**.00240**	**-.00123**	**-.00727**	**.00094**
Stddev	.00362	.00005	.00109	.00033	.00996	.00051	.00018	.00458	.00123
%RSD	1.3341	12.808	65.303	67.148	24.782	21.255	14.438	63.025	130.52
#1	.26883	.00037	.00090	-.00073	.04724	.00204	-.00110	-.00403	.00182
#2	.27395	.00045	.00244	-.00026	.03316	.00276	-.00135	-.01051	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00169**	**.00003**	**-.00023**	**-.00710**	**-.00015**	**.00064**	**-.00035**
Stddev	.00010	.00292	.00034	.00085	.01529	.00042	.00006	.00065
%RSD	24.845	172.84	1175.0	370.68	215.28	284.84	9.3507	186.27
#1	.00049	.00376	.00027	.00037	.00371	.00015	.00068	-.00081
#2	.00034	-.00038	-.00021	-.00083	-.01791	-.00045	.00059	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5223.7**	**86791.**	**6820.5**
Stddev	7.6	298.	30.4
%RSD	.14557	.34382	.44563
#1	5229.1	86580.	6842.0
#2	5218.3	87002.	6799.0

Sample Name: LCS 280-251713/2-A Acquired: 11/16/2014 23:50:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05806**	**2.1090**	**1.0521**	**1.0902**	F **2.2780**	**.05432**	F **2.2217**	**54.863**	**.10189**
Stddev	.00008	.0008	.0006	.0013	.0015	.00020	.0015	.005	.00031
%RSD	.14201	.03602	.06189	.11873	.06551	.36034	.06679	.00982	.30176
#1	.05800	2.1096	1.0525	1.0893	2.2790	.05418	2.2227	54.859	.10211
#2	.05812	2.1085	1.0516	1.0911	2.2769	.05446	2.2206	54.866	.10168
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750				2.2600		2.2000		
Low Limit	.04300				1.8000		1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52613**	**.21610**	**.26870**	F **1.1658**	**54.192**	F **1.1616**	**52.065**	**.52891**	F **1.1319**
Stddev	.00095	.00086	.00063	.0042	.053	.0001	.036	.00033	.0015
%RSD	.18001	.39610	.23433	.36316	.09710	.01289	.06984	.06223	.13516
#1	.52680	.21549	.26826	1.1688	54.230	1.1615	52.091	.52914	1.1330
#2	.52546	.21670	.26915	1.1628	54.155	1.1618	52.040	.52868	1.1308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit				1.1400		1.1400			1.1000
Low Limit				.88000		.89000			.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.371**	**.52869**	F **11.117**	**.53591**	**2.1922**	**.53971**	**2.1537**	**11.048**	**2.1471**
Stddev	.539	.00065	.016	.00121	.0016	.00439	.0094	.004	.0054
%RSD	.93926	.12219	.14381	.22640	.07328	.81282	.43738	.03315	.25054
#1	57.752	.52915	11.129	.53506	2.1934	.54281	2.1604	11.046	2.1433
#2	56.990	.52824	11.106	.53677	2.1911	.53661	2.1471	11.051	2.1510
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	56.000		11.100						
Low Limit	45.500		9.1000						

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1273**	**1.0453**	**1.0789**	**2.0991**	**2.1538**	**.53117**	**.52266**	**.54263**
Stddev	.0004	.0032	.0003	.0015	.0246	.00014	.00071	.00152
%RSD	.03164	.30827	.02574	.07050	1.1418	.02616	.13536	.28101
#1	1.1271	1.0431	1.0791	2.1002	2.1712	.53107	.52216	.54371
#2	1.1276	1.0476	1.0787	2.0981	2.1364	.53127	.52316	.54155
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.1000							
Low Limit	.91000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4978.8**	**82120.**	**6751.4**
Stddev	8.5	132.	4.2
%RSD	.17070	.16021	.06280
#1	4984.8	82027.	6748.4
#2	4972.7	82213.	6754.4

Sample Name: 280-61905-I-1-E Acquired: 11/16/2014 23:53:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00295**	**.00328**	**1.4536**	**.07763**	**-.00004**	**-.00048**	**32.249**	**-.00016**
Stddev	.00105	.00130	.00299	.0027	.00026	.00002	.00210	.055	.00002
%RSD	219.70	43.986	91.108	.18446	.33217	61.592	439.00	.17088	12.155
#1	.00122	-.00386	.00117	1.4517	.07745	-.00002	-.00196	32.210	-.00015
#2	-.00026	-.00203	.00539	1.4555	.07781	-.00006	.00101	32.288	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00012**	**.00315**	**.01450**	**.75835**	**.09083**	**7.6538**	**.05693**	**.01395**
Stddev	.00005	.00037	.00009	.00121	.03427	.00139	.0277	.00005	.00007
%RSD	12.594	319.48	2.7647	8.3273	4.5194	1.5319	.36182	.08780	.48892
#1	.00037	.00015	.00321	.01535	.73412	.08984	7.6342	.05689	.01400
#2	.00044	-.00038	.00309	.01365	.78259	.09181	7.6734	.05696	.01390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **993.65**	**.00200**	**.04574**	**-.00161**	**181.68**	**.00030**	W **-.00549**	**5.0346**	**.00266**
Stddev	1.39	.00018	.00338	.00213	.04	.00072	.00252	.0311	.00016
%RSD	.13997	9.0365	7.3806	132.03	.02023	238.07	45.889	.61720	6.0116
#1	992.67	.00187	.04813	-.00311	181.66	.00081	-.00727	5.0126	.00254
#2	994.64	.00213	.04335	-.00011	181.71	-.00021	-.00371	5.0566	.00277
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	500.00						5.0000		
Low Limit	10.000						-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0006**	**-.00153**	**-.00021**	**.00183**	**.07485**	**.00474**	**.00161**	**.00051**
Stddev	.0012	.00049	.00011	.00154	.04620	.00055	.00057	.00081
%RSD	.11969	31.906	52.271	84.145	61.730	11.604	35.368	157.82
#1	.99979	-.00118	-.00029	.00074	.10752	.00435	.00120	-.00006
#2	1.0015	-.00187	-.00014	.00292	.04218	.00513	.00201	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4725.0**	**76755.**	**6687.9**
Stddev	8.4	474.	24.2
%RSD	.17702	.61791	.36247
#1	4730.9	77090.	6705.1
#2	4719.1	76420.	6670.8

Sample Name: 280-61905-C-2-E Acquired: 11/16/2014 23:57:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.06065**	**.00083**	**1.4329**	**.01541**	**.00001**	**-.00268**	**3.7268**	**-.00011**
Stddev	.00018	.00026	.00270	.0029	.00014	.00006	.00328	.0135	.00011
%RSD	48.486	.42775	324.14	.19965	.93965	513.16	122.56	.36159	98.180
#1	.00051	.06047	.00274	1.4309	.01531	.00005	-.00036	3.7363	-.00019
#2	.00025	.06084	-.00107	1.4349	.01551	-.00003	-.00500	3.7172	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00002**	**.00098**	**.02476**	**.80445**	**.22570**	**.46527**	**.00859**	**.01289**
Stddev	.00025	.00010	.00022	.00213	.04199	.00148	.00200	.00011	.00005
%RSD	359.61	456.39	22.834	8.5895	5.2203	.65391	.43019	1.2991	.41629
#1	-.00011	.00009	.00082	.02326	.83414	.22674	.46668	.00867	.01285
#2	.00025	-.00005	.00113	.02627	.77475	.22465	.46385	.00851	.01293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**447.07**	**.00037**	**.03506**	**-.00138**	**158.81**	**-.00077**	**-.00281**	**10.812**	**.00068**
Stddev	1.80	.00025	.00162	.00031	.57	.00026	.00332	.067	.00090
%RSD	.40322	67.898	4.6127	22.515	.35909	33.421	118.23	.62380	132.61
#1	448.35	.00054	.03391	-.00116	158.41	-.00095	-.00046	10.860	.00004
#2	445.80	.00019	.03620	-.00160	159.22	-.00059	-.00515	10.765	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98323**	**-.00212**	**.00170**	**.00129**	**.05376**	**.00092**	**.00296**	**.00005**
Stddev	.00413	.00066	.00022	.00060	.03856	.00007	.00015	.00013
%RSD	.42019	31.219	12.772	46.726	71.718	7.6008	4.9990	233.28
#1	.98615	-.00166	.00154	.00172	.02650	.00096	.00306	.00014
#2	.98031	-.00259	.00185	.00086	.08103	.00087	.00285	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4888.2**	**80236.**	**6650.9**
Stddev	.9	214.	27.1
%RSD	.01752	.26673	.40693
#1	4888.8	80085.	6631.8
#2	4887.5	80388.	6670.0

Sample Name: 280-61905-C-2-E SD@5 Acquired: 11/16/2014 23:59:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.01278**	**.00075**	**.29429**	**.00287**	**-.00004**	**.00039**	**.74514**	**.00024**
Stddev	.00044	.00092	.00104	.00090	.00017	.00008	.00019	.00366	.00014
%RSD	88.447	7.2004	138.31	.30435	5.8285	172.07	48.669	.49111	58.278
#1	.00019	.01213	.00002	.29492	.00275	-.00010	.00025	.74773	.00033
#2	.00081	.01344	.00149	.29366	.00299	.00001	.00052	.74255	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00008**	**-.00031**	**.03093**	**.13319**	**.04354**	**.09586**	**.00184**	**.00254**
Stddev	.00006	.00015	.00043	.00198	.00853	.00113	.00200	.00005	.00031
%RSD	207.48	193.00	138.90	6.3945	6.4009	2.6030	2.0874	2.4618	12.210
#1	-.00001	-.00019	-.00062	.02953	.12717	.04273	.09728	.00181	.00232
#2	.00007	.00003	-.00001	.03233	.13922	.04434	.09445	.00188	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**90.291**	**.00031**	**.00455**	**-.00145**	**30.944**	**-.00009**	**-.00082**	**2.1206**	**.00075**
Stddev	.566	.00029	.00211	.00085	.054	.00054	.00691	.0124	.00059
%RSD	.62663	92.875	46.279	58.250	.17605	625.54	845.72	.58442	79.293
#1	90.691	.00011	.00604	-.00085	30.905	.00029	.00407	2.1293	.00033
#2	89.891	.00052	.00306	-.00205	30.983	-.00047	-.00571	2.1118	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19582**	**-.00003**	**.00015**	**.00093**	**.00843**	**-.00003**	**.00059**	**.00066**
Stddev	.00000	.00089	.00013	.00119	.03370	.00056	.00020	.00194
%RSD	.00135	2613.5	88.503	127.39	399.78	2016.7	34.478	293.11
#1	.19582	-.00066	.00006	.00178	.03226	.00037	.00044	.00203
#2	.19582	.00060	.00024	.00009	-.01540	-.00042	.00073	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5063.5**	**84107.**	**6653.9**
Stddev	3.7	249.	31.6
%RSD	.07381	.29652	.47441
#1	5060.9	83931.	6676.2
#2	5066.2	84284.	6631.5

Sample Name: 280-61905-C-2-F MS Acquired: 11/17/2014 0:02:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05763**	**2.0658**	**1.0558**	**2.4324**	**2.2307**	**.05384**	**2.1507**	**57.531**	**.09982**
Stddev	.00138	.0028	.0111	.0066	.0029	.00004	.0024	.093	.00028
%RSD	2.3999	.13768	1.0488	.27353	.12776	.07534	.11111	.16210	.27835
#1	.05665	2.0638	1.0479	2.4277	2.2287	.05382	2.1490	57.465	.09963
#2	.05860	2.0679	1.0636	2.4371	2.2327	.05387	2.1524	57.597	.10002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51565**	**.21191**	**.26442**	**1.1164**	**54.501**	**1.3608**	**50.156**	**.52735**	**1.1303**
Stddev	.00011	.00085	.00075	.0020	.081	.0022	.004	.00022	.0010
%RSD	.02146	.39945	.28532	.18284	.14778	.16081	.00709	.04230	.08878
#1	.51557	.21131	.26389	1.1150	54.444	1.3592	50.153	.52750	1.1296
#2	.51573	.21251	.26495	1.1178	54.558	1.3623	50.158	.52719	1.1310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**484.91**	**.51639**	**11.393**	**.50920**	**158.53**	**.53356**	**2.1475**	**21.324**	**2.1078**
Stddev	1.83	.00081	.018	.00237	.55	.00006	.0099	.008	.0018
%RSD	.37841	.15707	.16007	.46561	.34396	.01138	.46219	.03755	.08439
#1	483.61	.51581	11.380	.51088	158.15	.53352	2.1405	21.330	2.1065
#2	486.20	.51696	11.406	.50752	158.92	.53360	2.1545	21.319	2.1090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0652**	**1.0425**	**1.0726**	**1.9135**	**2.1422**	**.53008**	**.52649**	**.53618**
Stddev	.0036	.0006	.0002	.0018	.0129	.00033	.00107	.00280
%RSD	.17255	.05680	.02110	.09486	.60292	.06186	.20337	.52291
#1	2.0627	1.0429	1.0728	1.9122	2.1514	.52985	.52725	.53420
#2	2.0677	1.0421	1.0725	1.9148	2.1331	.53032	.52573	.53816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4817.2**	**79610.**	**6742.9**
Stddev	5.4	41.	22.7
%RSD	.11236	.05106	.33606
#1	4813.4	79639.	6759.0
#2	4821.0	79582.	6726.9

Sample Name: 280-61905-C-2-G MSD Acquired: 11/17/2014 0:05:00 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05778**	**2.0725**	**1.0618**	**2.4660**	**2.2566**	**.05435**	**2.1669**	**58.206**	**.10085**
Stddev	.00070	.0024	.0041	.0005	.0015	.00006	.0062	.053	.00008
%RSD	1.2041	.11728	.38765	.02150	.06864	.10811	.28466	.09161	.07486
#1	.05827	2.0707	1.0589	2.4657	2.2555	.05439	2.1626	58.168	.10079
#2	.05728	2.0742	1.0647	2.4664	2.2577	.05431	2.1713	58.244	.10090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51878**	**.21265**	**.26685**	**1.1274**	**55.132**	**1.3775**	**50.454**	**.53075**	**1.1309**
Stddev	.00156	.00066	.00069	.0035	.109	.0009	.002	.00027	.0000
%RSD	.30028	.31206	.25844	.31433	.19724	.06852	.00479	.05078	.00074
#1	.51768	.21218	.26734	1.1299	55.055	1.3768	50.456	.53056	1.1309
#2	.51989	.21312	.26636	1.1249	55.208	1.3781	50.453	.53094	1.1309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**493.27**	**.52051**	**11.467**	**.51503**	**160.94**	**.53096**	**2.1664**	**21.685**	**2.1075**
Stddev	.40	.00008	.010	.00121	.15	.00162	.0076	.015	.0047
%RSD	.08041	.01542	.08351	.23493	.09121	.30502	.35025	.06851	.22122
#1	492.99	.52056	11.460	.51417	161.04	.53211	2.1718	21.695	2.1042
#2	493.55	.52045	11.474	.51588	160.83	.52982	2.1611	21.674	2.1108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0907**	**1.0490**	**1.0758**	**1.9204**	**2.1627**	**.53347**	**.53141**	**.54243**
Stddev	.0028	.0015	.0006	.0025	.0012	.00206	.00006	.00120
%RSD	.13382	.14159	.05885	.13242	.05460	.38554	.01150	.22107
#1	2.0887	1.0500	1.0763	1.9186	2.1635	.53492	.53137	.54159
#2	2.0927	1.0479	1.0754	1.9222	2.1618	.53202	.53145	.54328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4834.9**	**79622.**	**6709.0**
Stddev	20.1	254.	1.0
%RSD	.41516	.31878	.01563
#1	4849.1	79802.	6709.7
#2	4820.7	79443.	6708.2

Sample Name: 280-61905-C-2-E PDS Acquired: 11/17/2014 0:07:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00931**	**1.1433**	**.22817**	**1.5118**	**.13321**	**.05705**	**-.00165**	**26.347**	**.05518**
Stddev	.00042	.0070	.00280	.0014	.00046	.00011	.00097	.072	.00016
%RSD	4.5284	.61114	1.2287	.08912	.34277	.20112	58.536	.27281	.29559
#1	.00960	1.1483	.23015	1.5108	.13353	.05713	-.00233	26.398	.05506
#2	.00901	1.1384	.22619	1.5127	.13288	.05696	-.00097	26.297	.05529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05447**	**.05518**	**.05715**	**1.2065**	**23.458**	**.34283**	**21.219**	**.06395**	**.06463**
Stddev	.00011	.00019	.00037	.0088	.022	.00082	.047	.00028	.00049
%RSD	.20518	.33800	.64297	.72977	.09330	.24031	.22122	.43181	.75305
#1	.05455	.05505	.05689	1.2127	23.474	.34225	21.253	.06415	.06429
#2	.05439	.05532	.05741	1.2003	23.443	.34341	21.186	.06376	.06498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**460.27**	**.05607**	**2.4133**	**.10776**	**156.76**	**.10141**	**.22139**	**15.894**	**.10280**
Stddev	1.49	.00033	.0030	.00067	.43	.00090	.00368	.027	.00034
%RSD	.32394	.58761	.12478	.61978	.27408	.89031	1.6619	.16755	.33084
#1	461.33	.05630	2.4112	.10729	156.45	.10077	.21879	15.913	.10256
#2	459.22	.05583	2.4154	.10823	157.06	.10204	.22400	15.875	.10304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0234**	**.21491**	**.05315**	**.20577**	**.56499**	**.05737**	**.23215**	**.05396**
Stddev	.0002	.00283	.00016	.00102	.00468	.00001	.00045	.00026
%RSD	.02210	1.3158	.29669	.49707	.82836	.01958	.19539	.48188
#1	1.0235	.21691	.05326	.20505	.56830	.05736	.23247	.05415
#2	1.0232	.21291	.05304	.20649	.56169	.05738	.23183	.05378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4898.1**	**80136.**	**6658.3**
Stddev	31.9	204.	32.0
%RSD	.65040	.25491	.47990
#1	4875.6	79991.	6635.7
#2	4920.6	80280.	6680.9

Sample Name: ccvh-2982968 Acquired: 11/17/2014 0:10:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**54.971**	**.00108**	**.01391**	**.00013**	**-.00004**	**1.0560**	**-.09777**	**-.00056**	**.00183**	**-.00064**	**-.00238**
Stddev	.00089	.144	.00215	.00116	.00016	.00005	.0030	.00393	.00014	.00026	.00011	.00031
%RSD	13.217	.26204	198.23	8.3195	122.35	118.50	.28065	4.0240	25.154	14.259	17.499	13.100
#1	.00608	55.073	-.00044	.01473	.00025	-.00007	1.0539	-.10055	-.00046	.00202	-.00056	-.00216
#2	.00734	54.869	.00261	.01310	.00002	-.00001	1.0581	-.09498	-.00066	.00165	-.00072	-.00260
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **55.960**	**.07387**	**-.00111**	**.14891**	**-.00329**	**-.00175**	**268.64**	**.00130**	**.00592**	**.00070**	**5.2599**	**.00629**
Stddev	.078	.03437	.00246	.00008	.00002	.00006	.12	.00003	.00132	.00128	.0304	.00164
%RSD	.13993	46.523	221.04	.05229	.54041	3.1361	.04358	2.1919	22.227	181.65	.57727	25.992
#1	55.905	.09818	-.00286	.14897	-.00330	-.00171	268.73	.00128	.00685	-.00020	5.2814	.00513
#2	56.015	.04957	.00063	.14886	-.00328	-.00179	268.56	.00132	.00499	.00161	5.2384	.00745
Check ?	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value	50.000											
Range	10.000%											

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**-.01071**	**.00133**	**.00060**	**5.0867**	**-.02564**	**.00100**	**10.311**	**.00414**	**-.00064**	**-.03526**
Stddev	.00207	.01420	.00039	.00009	.0119	.00043	.00008	.026	.00016	.00006	.00074
%RSD	92.710	132.59	28.964	14.871	.23412	1.6607	7.6580	.25170	3.9280	8.9558	2.1082
#1	.00077	-.02075	.00106	.00066	5.0951	-.02595	.00105	10.330	.00425	-.00068	-.03578
#2	.00369	-.00067	.00161	.00054	5.0783	-.02534	.00094	10.293	.00402	-.00060	-.03473
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4979.7**	**82357.**	**6748.1**
Stddev	14.1	96.	62.6
%RSD	.28335	.11601	.92825
#1	4989.7	82289.	6703.8
#2	4969.7	82424.	6792.4

Sample Name: ccv-2984587 Acquired: 11/17/2014 0:12:49 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49765**	**.51491**	**.98706**	**.50757**	**.52166**	**.50732**	**.00848**	**5.1215**	**.49711**	**.50084**	**.50821**	**.49973**
Stddev	.00210	.00050	.00352	.00113	.00056	.00054	.00068	.0199	.00095	.00003	.00052	.00024
%RSD	.42158	.09675	.35656	.22327	.10817	.10702	7.9779	.38876	.19010	.00620	.10299	.04889
#1	.49914	.51456	.98457	.50837	.52126	.50694	.00895	5.1074	.49778	.50086	.50858	.49991
#2	.49617	.51526	.98955	.50677	.52206	.50771	.00800	5.1356	.49644	.50082	.50784	.49956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6359**	**49.804**	**1.0754**	**19.411**	**.49828**	**.50973**	F **5.6389**	**.50326**	**1.0019**	**1.0105**	**.03645**	**.99967**
Stddev	.0055	.033	.0026	.017	.00092	.00036	.0096	.00103	.0011	.0024	.00162	.00222
%RSD	.20990	.06669	.24458	.08684	.18388	.06988	.17059	.20552	.10612	.23893	4.4495	.22240
#1	2.6398	49.781	1.0735	19.423	.49893	.50998	5.6457	.50253	1.0011	1.0088	.03531	.99810
#2	2.6320	49.828	1.0773	19.399	.49763	.50948	5.6321	.50399	1.0026	1.0122	.03760	1.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**5.1078**	**1.0065**	**.52443**	**.01146**	**.50242**	**1.0200**	**.00994**	**.49122**	**.48811**	**.51079**
Stddev	.0037	.0046	.0006	.00039	.00080	.00124	.0019	.02276	.00167	.00238	.00007
%RSD	.37240	.09089	.05461	.07354	6.9711	.24641	.18471	229.07	.34059	.48814	.01402
#1	1.0040	5.1045	1.0061	.52416	.01089	.50330	1.0214	.02604	.49240	.48642	.51074
#2	.99877	5.1111	1.0069	.52470	.01202	.50155	1.0187	-.00616	.49003	.48979	.51084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5104.9**	**84093.**	**6803.8**
Stddev	6.7	173.	26.4
%RSD	.13120	.20547	.38731
#1	5109.6	83971.	6785.1
#2	5100.2	84215.	6822.4

Sample Name: CCB Acquired: 11/17/2014 0:15:19 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00166**	**-.00053**	F **.00771**	**-.00037**	**.00011**	**-.00069**	**.00174**	**.00013**	**-.00017**	**-.00048**	**-.00045**
Stddev	.00055	.00041	.00114	.00035	.00047	.00003	.00009	.00435	.00008	.00017	.00007	.00035
%RSD	74.251	24.662	216.04	4.4870	127.72	29.856	12.520	249.56	60.290	103.17	14.351	77.892
#1	.00113	-.00137	-.00134	.00796	-.00071	.00009	-.00075	.00482	.00018	-.00005	-.00043	-.00070
#2	.00035	-.00195	.00028	.00747	-.00004	.00013	-.00063	-.00133	.00007	-.00029	-.00053	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**-.06210**	**-.00105**	**.00466**	**.00006**	**.00057**	F **.31127**	**.00042**	**.00005**	**.00002**	**.03002**	**-.00033**
Stddev	.00245	.03454	.00087	.00100	.00003	.00007	.00162	.00004	.00022	.00160	.00025	.00087
%RSD	238.44	55.625	83.125	21.488	45.450	11.704	.52181	8.8374	442.74	8119.0	.83019	262.20
#1	.00276	-.03767	-.00043	.00537	.00007	.00053	.31241	.00045	.00020	-.00111	.02984	-.00095
#2	-.00071	-.08653	-.00167	.00395	.00004	.00062	.31012	.00040	-.00010	.00115	.03020	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00319**	**.00146**	**-.00022**	**.00013**	**-.00070**	**.00001**	**-.00049**	**.02689**	**.00023**	**-.00015**	**-.00016**
Stddev	.00084	.00429	.00037	.00001	.00168	.00034	.00116	.00203	.00006	.00006	.00063
%RSD	26.154	294.16	169.85	9.0218	240.07	5525.9	236.89	7.5438	25.055	38.080	406.12
#1	-.00378	-.00157	.00004	.00014	.00049	-.00023	.00033	.02546	.00028	-.00018	.00029
#2	-.00260	.00449	-.00048	.00012	-.00188	.00024	-.00131	.02833	.00019	-.00011	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5107.6**	**85662.**	**6692.5**
Stddev	18.0	254.	118.2
%RSD	.35191	.29656	1.7654
#1	5094.9	85842.	6608.9
#2	5120.3	85483.	6776.0

Sample Name: CCVL2994263 Acquired: 11/17/2014 0:18:01 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01147**	**.11249**	**.01558**	**.11011**	**.01129**	**.00105**	**.11456**	**.22619**	**.00544**	**.01075**	**.01043**	**.01643**
Stddev	.00011	.00091	.00275	.00024	.00024	.00004	.00065	.00186	.00003	.00011	.00008	.00046
%RSD	.92268	.81029	17.669	.22246	2.0828	4.2522	.56879	.82103	.56051	.98947	.78436	2.8080
#1	.01155	.11185	.01363	.11029	.01112	.00102	.11410	.22751	.00546	.01068	.01049	.01610
#2	.01140	.11314	.01753	.10994	.01145	.00109	.11502	.22488	.00542	.01083	.01037	.01676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.13557**	**3.2415**	**.01018**	**.22249**	**.01106**	**.02139**	F **1.4203**	**.04421**	**3.1045**	**.00974**	**.02621**	**.01132**
Stddev	.00186	.0268	.00004	.00067	.00006	.00006	.0070	.00051	.0037	.00021	.00398	.00196
%RSD	1.3741	.82797	.42784	.29994	.54933	.29818	.49406	1.1561	.11823	2.1620	15.171	17.337
#1	.13689	3.2605	.01021	.22202	.01102	.02135	1.4253	.04385	3.1019	.00989	.02340	.01270
#2	.13425	3.2225	.01015	.22296	.01110	.02144	1.4154	.04458	3.1071	.00959	.02902	.00993
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.10000						1.0000					
Range	30.000%						30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01366**	**.54883**	**.10891**	**.01149**	**.01543**	**.01046**	**.01764**	**.06666**	**.01068**	**.02170**	**.01606**
Stddev	.00205	.00915	.00012	.00007	.00238	.00001	.00129	.02223	.00011	.00015	.00291
%RSD	14.987	1.6668	.11471	.61514	15.438	.11957	7.3106	33.350	.99165	.67699	18.118
#1	.01221	.54236	.10882	.01154	.01712	.01046	.01673	.05094	.01060	.02160	.01401
#2	.01511	.55530	.10900	.01144	.01375	.01047	.01855	.08239	.01075	.02181	.01812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5194.5**	**86194.**	**6772.0**
Stddev	6.2	188.	38.1
%RSD	.12024	.21772	.56296
#1	5190.1	86326.	6745.1
#2	5198.9	86061.	6799.0

Sample Name: 280-61905-G-5-D Acquired: 11/17/2014 0:20:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.01413**	**.00278**	**.83128**	**.01852**	**.00001**	**-.00070**	**3.2164**	**-.00006**
Stddev	.00028	.00095	.00327	.00037	.00017	.00010	.00177	.0073	.00007
%RSD	83.484	6.7438	117.75	.04488	.94336	1022.5	254.00	.22550	116.63
#1	.00053	.01346	.00046	.83155	.01864	-.00006	.00056	3.2216	-.00001
#2	.00014	.01481	.00509	.83102	.01840	.00008	-.00195	3.2113	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00002**	**.00098**	**.02894**	**.51442**	**.22123**	**.36637**	**.01368**	**.05219**
Stddev	.00006	.00018	.00002	.00096	.03162	.00195	.00087	.00015	.00028
%RSD	19.568	1058.2	2.3452	3.3104	6.1470	.88366	.23685	1.0791	.54427
#1	.00027	.00011	.00096	.02826	.49206	.22261	.36698	.01379	.05239
#2	.00035	-.00014	.00100	.02962	.53678	.21985	.36575	.01358	.05199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**428.12**	**.00201**	**.01983**	**-.00142**	**107.72**	**-.00055**	**-.00196**	**4.0127**	**.00140**
Stddev	.57	.00023	.00066	.00080	.21	.00104	.00172	.0375	.00057
%RSD	.13273	11.560	3.3197	56.456	.19951	188.64	87.567	.93564	40.841
#1	428.52	.00218	.02029	-.00085	107.87	-.00128	-.00075	4.0392	.00181
#2	427.71	.00185	.01936	-.00198	107.57	.00018	-.00318	3.9861	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57848**	**-.00205**	**.00017**	**.00103**	**.01384**	**-.00007**	**.00096**	**.00150**
Stddev	.00153	.00197	.00049	.00191	.00162	.00036	.00043	.00165
%RSD	.26429	96.080	284.69	186.54	11.695	487.67	44.393	109.47
#1	.57956	-.00066	-.00017	.00238	.01269	-.00033	.00126	.00034
#2	.57740	-.00345	.00052	-.00033	.01498	.00018	.00066	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4925.9**	**81095.**	**6701.6**
Stddev	18.0	637.	39.1
%RSD	.36486	.78546	.58372
#1	4938.6	80645.	6673.9
#2	4913.2	81546.	6729.2

Sample Name: 280-61905-G-6-D Acquired: 11/17/2014 0:23:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00170**	**.00130**	**1.1742**	**.02480**	**.00004**	**-.00191**	**20.447**	**.00005**
Stddev	.00035	.00191	.00278	.0049	.00065	.00001	.00277	.052	.00007
%RSD	110.84	112.76	214.50	.41708	2.6264	36.237	145.23	.25646	138.32
#1	.00056	.00034	.00326	1.1707	.02434	.00003	.00005	20.484	.00000
#2	.00007	.00305	-.00067	1.1776	.02526	.00005	-.00387	20.410	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00079**	**.00155**	**.00642**	**.52470**	**.12331**	**3.6481**	**.00027**	**.00654**
Stddev	.00006	.00027	.00012	.00271	.04428	.00308	.0031	.00003	.00027
%RSD	402.06	33.731	7.8836	42.129	8.4399	2.4996	.08467	12.681	4.1408
#1	-.00003	.00060	.00164	.00451	.49339	.12113	3.6459	.00029	.00635
#2	.00005	.00097	.00147	.00834	.55601	.12549	3.6503	.00025	.00673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **603.20**	**.00107**	**.02052**	**.00073**	**113.62**	**.00066**	**.01734**	**5.0699**	**.00120**
Stddev	.12	.00007	.00154	.00006	.26	.00221	.00202	.0073	.00056
%RSD	.02016	6.5481	7.4961	7.5703	.22934	332.87	11.644	.14464	46.822
#1	603.29	.00102	.01943	.00069	113.43	.00222	.01877	5.0648	.00160
#2	603.12	.00112	.02160	.00077	113.80	-.00090	.01592	5.0751	.00080
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64202**	**-.00121**	**.00013**	**.00123**	**.11712**	**.00237**	**.00672**	**-.00046**
Stddev	.00108	.00100	.00014	.00018	.00089	.00050	.00045	.00106
%RSD	.16898	83.098	108.15	14.460	.75709	20.906	6.7230	232.37
#1	.64279	-.00191	.00024	.00111	.11649	.00202	.00640	.00029
#2	.64125	-.00050	.00003	.00136	.11775	.00273	.00704	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4834.1**	**79304.**	**6740.8**
Stddev	13.9	71.	3.7
%RSD	.28748	.08985	.05473
#1	4843.9	79253.	6738.2
#2	4824.3	79354.	6743.4

Sample Name: 280-61905-E-7-D Acquired: 11/17/2014 0:26:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00123**	**.00155**	**1.5643**	**.02503**	**.00005**	**.00001**	**18.896**	**-.00020**
Stddev	.00017	.00004	.00248	.0051	.00017	.00004	.00288	.101	.00016
%RSD	29.505	3.2121	159.28	.32430	.67701	69.618	23094.	.53702	78.360
#1	.00070	.00126	.00331	1.5607	.02515	.00003	-.00203	18.967	-.00031
#2	.00046	.00120	-.00020	1.5679	.02491	.00008	.00205	18.824	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00068**	**.00129**	**.00699**	**.46224**	**.16263**	**3.1413**	**.00791**	**.00511**
Stddev	.00013	.00011	.00080	.00180	.01579	.00138	.0066	.00002	.00014
%RSD	63.255	16.389	62.083	25.790	3.4157	.85140	.21046	.21110	2.6924
#1	.00011	.00076	.00072	.00571	.47341	.16361	3.1366	.00792	.00501
#2	.00029	.00061	.00185	.00826	.45108	.16165	3.1459	.00790	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **634.99**	**.00086**	**.01015**	**-.00119**	**106.47**	**.00018**	**.01236**	**5.9698**	**.00009**
Stddev	2.55	.00009	.00185	.00057	.33	.00049	.00324	.0342	.00030
%RSD	.40133	10.129	18.234	48.137	.30853	270.57	26.172	.57277	344.41
#1	636.79	.00080	.00884	-.00078	106.24	-.00017	.01008	5.9939	.00030
#2	633.18	.00092	.01145	-.00159	106.70	.00053	.01465	5.9456	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85037**	**-.00315**	**-.00039**	**.00113**	**.16414**	**.00294**	**.00421**	**.00106**
Stddev	.00278	.00004	.00009	.00055	.01010	.00000	.00035	.00055
%RSD	.32723	1.2447	22.763	48.474	6.1536	.06435	8.2655	51.755
#1	.85233	-.00312	-.00033	.00152	.15700	.00294	.00397	.00067
#2	.84840	-.00318	-.00046	.00075	.17128	.00294	.00446	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4808.3**	**79675.**	**6689.7**
Stddev	3.2	81.	27.8
%RSD	.06598	.10209	.41603
#1	4810.6	79617.	6670.0
#2	4806.1	79732.	6709.4

Sample Name: 280-61905-G-8-D Acquired: 11/17/2014 0:29:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.01716**	**.00347**	**3.1999**	**.00880**	**.00002**	**.00015**	**332.59**	**.00043**
Stddev	.00024	.00040	.00049	.0020	.00007	.00008	.00076	4.16	.00000
%RSD	109.21	2.3520	14.010	.06175	.76053	479.11	495.54	1.2495	1.1144
#1	.00005	-.01687	.00382	3.1985	.00875	-.00004	-.00038	329.65	.00043
#2	.00040	-.01744	.00313	3.2013	.00885	.00007	.00069	335.53	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00006**	**.00300**	**.04674**	**4.7136**	**.40327**	**77.315**	**.27977**	**.00380**
Stddev	.00018	.00047	.00049	.00072	.0345	.00100	.318	.00049	.00008
%RSD	36.209	744.54	16.249	1.5473	.73145	.24795	.41084	.17680	2.0944
#1	.00036	-.00027	.00335	.04622	4.6893	.40397	77.540	.28011	.00374
#2	.00062	.00040	.00266	.04725	4.7380	.40256	77.091	.27942	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4292.7**	**.00227**	**.00831**	W **-.00406**	**1945.1**	**.00222**	**.01795**	**4.3313**	**-.00234**
Stddev	5.5	.00001	.00190	.00040	.2	.00031	.00077	.0386	.00019
%RSD	.12920	.36255	22.796	9.8799	.00852	14.151	4.2815	.89130	8.2911
#1	4288.8	.00227	.00697	-.00377	1944.9	.00244	.01740	4.3040	-.00248
#2	4296.6	.00226	.00965	-.00434	1945.2	.00200	.01849	4.3586	-.00220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00			10.000					
Low Limit	10.000			-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.315**	**-.00225**	**.00049**	**.00305**	**.24275**	**.00184**	**.00451**	**-.00056**
Stddev	.158	.00028	.00055	.00099	.02376	.00035	.00073	.00082
%RSD	.96701	12.366	113.02	32.336	9.7888	19.136	16.267	146.44
#1	16.203	-.00205	.00010	.00375	.25955	.00209	.00399	.00002
#2	16.427	-.00244	.00087	.00235	.22595	.00159	.00502	-.00114
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4252.0**	**68719.**	**6286.0**
Stddev	5.8	570.	1.5
%RSD	.13645	.82928	.02398
#1	4256.1	68316.	6284.9
#2	4247.9	69122.	6287.0

Sample Name: 280-61905-B-9-D Acquired: 11/17/2014 0:32:45 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00410**	**.00214**	**.70046**	**.06430**	**-.00001**	**-.00128**	**101.48**	**.00039**
Stddev	.00082	.00048	.00375	.00011	.00007	.00008	.00008	.17	.00002
%RSD	2046.5	11.773	175.53	.01617	.11381	902.96	5.9219	.17018	4.8541
#1	.00062	-.00376	.00479	.70054	.06435	-.00006	-.00123	101.36	.00040
#2	-.00054	-.00444	-.00052	.70038	.06425	.00005	-.00134	101.60	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00015**	**.00076**	**.40402**	**1.3336**	**.05221**	**29.103**	**.40105**	**.00186**
Stddev	.00018	.00015	.00011	.00015	.0220	.00157	.017	.00008	.00069
%RSD	545.32	100.60	14.838	.03745	1.6512	3.0136	.05751	.02007	37.259
#1	-.00009	-.00004	.00068	.40413	1.3180	.05110	29.115	.40110	.00137
#2	.00016	-.00025	.00084	.40392	1.3492	.05332	29.091	.40099	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**352.61**	**.00077**	**.47502**	**-.00066**	**167.35**	**-.00019**	**.00251**	**5.9937**	**-.00111**
Stddev	1.08	.00029	.00624	.00013	.05	.00201	.00171	.0045	.00131
%RSD	.30689	37.414	1.3129	19.445	.03065	1055.0	68.065	.07563	117.83
#1	351.85	.00057	.47061	-.00075	167.32	-.00161	.00371	5.9969	-.00203
#2	353.38	.00098	.47943	-.00056	167.39	.00123	.00130	5.9905	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8555**	**-.00164**	**.00030**	**.00083**	**.00081**	**.00135**	**.00603**	**.00034**
Stddev	.0035	.00119	.00037	.00057	.00927	.00061	.00001	.00101
%RSD	.12153	72.388	122.65	68.765	1149.2	45.349	.17949	295.67
#1	2.8530	-.00080	.00056	.00123	-.00575	.00178	.00602	-.00037
#2	2.8579	-.00248	.00004	.00043	.00736	.00091	.00604	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4847.5**	**79645.**	**6636.7**
Stddev	9.8	121.	7.1
%RSD	.20161	.15234	.10704
#1	4840.6	79559.	6641.7
#2	4854.4	79731.	6631.7

Sample Name: 280-61905-F-10-F Acquired: 11/17/2014 0:35:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00519**	**.00347**	**1.6363**	**.01510**	**-.00004**	**-.00246**	**37.477**	**.00002**
Stddev	.00070	.00032	.00134	.0038	.00003	.00005	.00323	.097	.00018
%RSD	150.76	6.1363	38.534	.23470	.18893	139.22	131.44	.25819	891.67
#1	.00096	-.00541	.00442	1.6336	.01508	-.00007	-.00474	37.546	.00014
#2	-.00003	-.00496	.00252	1.6390	.01512	-.00000	-.00017	37.409	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00032**	**.00364**	**.00677**	**.62577**	**.10537**	**7.7764**	**.02985**	**.00569**
Stddev	.00025	.00005	.00063	.00296	.07998	.00005	.0187	.00003	.00012
%RSD	143.83	15.297	17.355	43.630	12.781	.04789	.24026	.11281	2.1272
#1	-.00000	.00035	.00409	.00468	.56921	.10534	7.7632	.02982	.00561
#2	.00035	.00029	.00320	.00886	.68232	.10541	7.7896	.02987	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **993.48**	**.00121**	**.04505**	**-.00169**	**305.32**	**-.00231**	**.00262**	**5.3690**	**-.00086**
Stddev	2.12	.00025	.00258	.00027	.51	.00212	.00722	.0196	.00091
%RSD	.21336	20.793	5.7164	16.100	.16600	91.550	275.76	.36503	106.56
#1	994.98	.00139	.04323	-.00188	304.96	-.00381	-.00249	5.3829	-.00150
#2	991.98	.00103	.04687	-.00150	305.68	-.00082	.00773	5.3552	-.00021
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0947**	**-.00138**	**.00013**	**-.00009**	**.11164**	**.00346**	**.00336**	**.00025**
Stddev	.0019	.00207	.00030	.00030	.01545	.00050	.00048	.00047
%RSD	.17031	149.78	227.19	325.91	13.841	14.555	14.427	192.60
#1	1.0960	.00008	-.00008	-.00031	.10072	.00382	.00301	.00058
#2	1.0934	-.00285	.00035	.00012	.12257	.00310	.00370	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4706.4**	**77015.**	**6511.0**
Stddev	23.0	518.	37.2
%RSD	.48917	.67247	.57113
#1	4690.1	77381.	6484.8
#2	4722.7	76649.	6537.3

Sample Name: 280-61905-K-11-D Acquired: 11/17/2014 0:38:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.01044**	**.00262**	**1.5252**	**.01090**	**-.00005**	**-.00058**	**89.193**	**.00007**
Stddev	.00013	.00095	.00110	.0014	.00002	.00004	.00003	.185	.00011
%RSD	18.465	9.0887	41.966	.08963	.19955	88.040	5.6196	.20720	147.10
#1	.00077	-.01111	.00184	1.5242	.01091	-.00002	-.00061	89.062	-.00000
#2	.00059	-.00977	.00340	1.5261	.01088	-.00008	-.00056	89.324	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00008**	**.00207**	**.00722**	**.86408**	**.12535**	**16.004**	**.12804**	**.00164**
Stddev	.00004	.00032	.00023	.00152	.02908	.00136	.025	.00020	.00056
%RSD	11.902	413.71	11.246	21.022	3.3650	1.0863	.15893	.15249	34.227
#1	.00033	-.00030	.00223	.00615	.84352	.12439	16.022	.12818	.00125
#2	.00040	.00015	.00190	.00829	.88464	.12631	15.986	.12790	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1212.0**	**.00142**	**.01556**	**-.00162**	**446.46**	**-.00068**	**.03957**	**6.7867**	**.00328**
Stddev	3.1	.00009	.00113	.00002	.30	.00026	.00369	.0151	.00075
%RSD	.25973	6.5137	7.2630	1.5142	.06643	38.527	9.3310	.22218	22.892
#1	1209.8	.00148	.01476	-.00164	446.25	-.00086	.03696	6.7760	.00275
#2	1214.2	.00135	.01636	-.00160	446.67	-.00049	.04219	6.7973	.00381
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8586**	**-.00219**	**-.00023**	**.00087**	**.09306**	**.00147**	**.00719**	**-.00063**
Stddev	.0050	.00088	.00003	.00035	.00368	.00059	.00079	.00051
%RSD	.17335	40.098	12.980	40.132	3.9522	40.152	11.026	81.290
#1	2.8551	-.00282	-.00021	.00062	.09566	.00105	.00775	-.00027
#2	2.8621	-.00157	-.00025	.00112	.09046	.00188	.00663	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4659.4**	**76033.**	**6558.3**
Stddev	9.7	334.	15.9
%RSD	.20892	.43991	.24247
#1	4652.5	75797.	6569.6
#2	4666.3	76270.	6547.1

Sample Name: ccvh-2982968 Acquired: 11/17/2014 0:41:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00651**	**54.657**	**-.00103**	**.01401**	**-.00017**	**-.00006**	**1.0441**	**-.08740**	**-.00019**	**.00143**	**-.00030**	**-.00324**
Stddev	.00006	.136	.00079	.00099	.00021	.00008	.0061	.00089	.00001	.00009	.00006	.00019
%RSD	.89727	.24843	77.150	7.0429	124.67	118.58	.58386	1.0159	6.4306	6.3657	19.951	5.8697
#1	.00647	54.753	-.00159	.01471	-.00031	-.00012	1.0485	-.08677	-.00019	.00149	-.00034	-.00310
#2	.00655	54.561	-.00047	.01332	-.00002	-.00001	1.0398	-.08802	-.00018	.00136	-.00026	-.00337
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **55.834**	**.03378**	**-.00108**	**.14759**	**-.00326**	**-.00181**	**266.21**	**.00139**	**.00578**	**.00091**	**5.4444**	**.00706**
Stddev	.159	.01527	.00085	.00176	.00006	.00037	.81	.00034	.00456	.00283	.0271	.00197
%RSD	.28442	45.210	79.496	1.1914	1.8126	20.744	.30499	24.100	78.951	309.57	.49856	27.895
#1	55.947	.02298	-.00047	.14634	-.00322	-.00207	266.78	.00163	.00255	.00292	5.4635	.00845
#2	55.722	.04458	-.00168	.14883	-.00331	-.00154	265.64	.00116	.00901	-.00109	5.4252	.00567
Check ?	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value	50.000											
Range	10.000%											

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**-.00595**	**.00249**	**.00092**	**5.0657**	**-.02461**	**.00187**	**10.237**	**.00370**	**.00000**	**-.03887**
Stddev	.00146	.00373	.00109	.00005	.0104	.00005	.00042	.026	.00079	.00055	.00058
%RSD	162.57	62.804	43.756	5.5885	.20624	.20556	22.315	.25740	21.264	60072.	1.4958
#1	.00193	-.00859	.00172	.00095	5.0583	-.02464	.00217	10.255	.00426	.00039	-.03846
#2	-.00013	-.00331	.00327	.00088	5.0731	-.02457	.00158	10.218	.00315	-.00039	-.03928
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4971.9**	**81707.**	**6717.2**
Stddev	3.7	548.	24.4
%RSD	.07407	.67041	.36303
#1	4974.5	82094.	6734.5
#2	4969.2	81319.	6700.0

Sample Name: ccv-2984587 Acquired: 11/17/2014 0:44:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50207**	**.52515**	**.99141**	**.51078**	**.52482**	**.51481**	**.01093**	**5.2026**	**.49829**	**.50434**	**.51616**	**.50008**
Stddev	.00227	.00147	.01038	.00001	.00032	.00002	.00045	.0111	.00021	.00022	.00070	.00044
%RSD	.45158	.27906	1.0466	.00240	.06154	.00352	4.0933	.21242	.04116	.04279	.13630	.08885
#1	.50046	.52619	.98407	.51077	.52505	.51480	.01125	5.1948	.49814	.50450	.51567	.49977
#2	.50367	.52411	.99875	.51079	.52459	.51482	.01061	5.2104	.49843	.50419	.51666	.50039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6955**	**50.057**	**1.0920**	**19.537**	**.50255**	**.51661**	F **6.0494**	**.50621**	**1.0167**	**1.0206**	**.14633**	**1.0062**
Stddev	.0003	.067	.0003	.036	.00108	.00121	.0120	.00071	.0030	.0001	.00265	.0026
%RSD	.01133	.13442	.02724	.18230	.21500	.23369	.19873	.14117	.29867	.01472	1.8088	.25731
#1	2.6953	50.009	1.0922	19.512	.50179	.51576	6.0579	.50570	1.0145	1.0208	.14820	1.0044
#2	2.6957	50.105	1.0918	19.562	.50332	.51746	6.0409	.50671	1.0188	1.0205	.14446	1.0080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0105**	**5.1578**	**1.0217**	**.53210**	**.01048**	**.50744**	**1.0214**	**.00979**	**.49713**	**.49596**	**.51537**
Stddev	.0027	.0244	.0021	.00027	.00037	.00089	.0001	.00466	.00193	.00143	.00087
%RSD	.26190	.47293	.20568	.05058	3.5456	.17540	.00985	47.617	.38885	.28866	.16789
#1	1.0123	5.1406	1.0203	.53229	.01074	.50681	1.0213	.00649	.49577	.49495	.51598
#2	1.0086	5.1751	1.0232	.53191	.01021	.50807	1.0215	.01308	.49850	.49697	.51476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5077.5**	**84027.**	**6772.1**
Stddev	.9	30.	39.5
%RSD	.01770	.03601	.58396
#1	5076.8	84006.	6800.1
#2	5078.1	84049.	6744.2

Sample Name: CCB Acquired: 11/17/2014 0:46:41 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00170**	**.00146**	F **.00856**	**-.00054**	**.00004**	**-.00136**	**.00560**	**.00015**	**-.00001**	W **-.00069**
Stddev	.00027	.00004	.00110	.00068	.00009	.00005	.00128	.00243	.00007	.00003	.00001
%RSD	2015.1	2.1388	74.904	7.9633	17.356	105.42	94.194	43.362	43.205	212.99	.91910
#1	-.00018	-.00167	.00224	.00904	-.00047	.00008	-.00045	.00732	.00011	.00001	-.00069
#2	.00021	-.00172	.00069	.00808	-.00060	.00001	-.00226	.00389	.00020	-.00003	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00312							.00066
Low Limit				-.00312							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00113**	**-.04246**	**-.00209**	**.00431**	**.00002**	**.00055**	F **.53460**	**.00020**	**.00099**	**-.00081**
Stddev	.00023	.00143	.04029	.00026	.00447	.00003	.00058	.00538	.00009	.00363	.00025
%RSD	80.843	127.01	94.880	12.330	103.68	175.43	104.95	1.0067	43.653	367.69	30.206
#1	-.00012	.00012	-.07095	-.00228	.00115	-.00000	.00096	.53080	.00014	.00356	-.00064
#2	-.00045	.00214	-.01397	-.00191	.00747	.00004	.00014	.53841	.00027	-.00158	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.20152			
Low Limit								-.20152			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10616**	**.00078**	**.00063**	**-.01591**	**.00013**	**.00012**	**.00008**	**.00012**	**.00045**	**.00994**	**.00025**
Stddev	.00336	.00072	.00391	.00845	.00052	.00010	.00147	.00005	.00013	.01113	.00010
%RSD	3.1655	91.393	617.14	53.132	415.54	80.080	1794.2	38.806	29.192	111.93	40.493
#1	.10853	.00129	.00340	-.00993	-.00024	.00005	.00112	.00009	.00036	.00207	.00018
#2	.10378	.00028	-.00213	-.02188	.00049	.00019	-.00096	.00016	.00054	.01781	.00032
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00049**	**.00030**
Stddev	.00020	.00205
%RSD	41.095	674.03
#1	-.00063	.00176
#2	-.00035	-.00115
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5110.5**	**85218.**	**6741.1**
Stddev	8.4	23.	10.3
%RSD	.16388	.02652	.15307
#1	5116.4	85234.	6748.4
#2	5104.5	85202.	6733.8

Sample Name: CCVL2994263 Acquired: 11/17/2014 0:49:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01118**	**.11285**	**.01693**	**.11065**	**.01103**	**.00102**	**.11597**	**.22820**	**.00536**	**.01098**	**.01063**	**.01603**
Stddev	.00038	.00051	.00255	.00030	.00022	.00002	.00124	.00276	.00005	.00009	.00018	.00065
%RSD	3.3835	.45389	15.034	.27291	2.0322	1.8075	1.0668	1.2097	.88610	.85082	1.7070	4.0723
#1	.01145	.11321	.01873	.11044	.01088	.00103	.11684	.22625	.00539	.01092	.01076	.01649
#2	.01091	.11249	.01513	.11087	.01119	.00100	.11509	.23015	.00532	.01105	.01050	.01557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11263**	**3.2337**	**.00951**	**.21834**	**.01082**	**.02135**	F **1.6038**	**.04377**	**3.1032**	**.00986**	**.08904**	**.01160**
Stddev	.00177	.0227	.00229	.00086	.00000	.00007	.0052	.00009	.0038	.00124	.00050	.00013
%RSD	1.5677	.70041	24.028	.39393	.02800	.34149	.32475	.21298	.12300	12.572	.56160	1.1012
#1	.11138	3.2497	.01113	.21895	.01082	.02141	1.6075	.04383	3.1059	.01074	.08939	.01169
#2	.11388	3.2176	.00790	.21773	.01082	.02130	1.6002	.04370	3.1005	.00898	.08868	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01646**	**.53396**	**.10776**	**.01144**	**.01484**	**.01056**	**.01736**	F **.08355**	**.01045**	**.02100**	**.01615**
Stddev	.00121	.00615	.00002	.00005	.00105	.00010	.00021	.02538	.00035	.00056	.00161
%RSD	7.3554	1.1514	.01547	.42079	7.0672	.93953	1.2137	30.373	3.3116	2.6809	9.9533
#1	.01561	.52961	.10777	.01141	.01410	.01049	.01751	.10149	.01021	.02140	.01501
#2	.01732	.53830	.10775	.01148	.01558	.01063	.01721	.06561	.01070	.02060	.01729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5190.9**	**86592.**	**6821.5**
Stddev	2.0	139.	54.6
%RSD	.03817	.16070	.79999
#1	5192.3	86690.	6782.9
#2	5189.5	86493.	6860.1

Sample Name: 280-61957-I-1-F Acquired: 11/17/2014 0:52:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00175**	**.00235**	**1.2629**	**.00829**	**.00001**	**-.00061**	**11.185**	**-.00011**
Stddev	.00003	.00044	.00465	.0018	.00008	.00000	.00137	.018	.00002
%RSD	3.3256	25.037	198.00	.14016	.96789	61.818	226.34	.15912	19.506
#1	.00077	.00206	.00564	1.2617	.00834	.00001	.00036	11.198	-.00010
#2	.00074	.00144	-.00094	1.2642	.00823	.00000	-.00157	11.172	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00002**	**.00106**	**.03262**	**.98989**	**.42077**	**1.1077**	**.03128**	**.00951**
Stddev	.00003	.00006	.00026	.00199	.00982	.00256	.0043	.00007	.00015
%RSD	12.242	307.75	24.838	6.0945	.99208	.60809	.39095	.21826	1.5809
#1	.00027	-.00002	.00124	.03122	.99683	.41896	1.1107	.03133	.00941
#2	.00023	.00006	.00087	.03403	.98295	.42258	1.1046	.03124	.00962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **761.60**	**.00053**	**.03266**	**-.00215**	**346.48**	**-.00058**	**.00820**	**4.5778**	**-.00028**
Stddev	.05	.00056	.00190	.00079	.07	.00057	.00102	.0011	.00023
%RSD	.00699	104.48	5.8228	36.506	.01881	98.079	12.463	.02469	82.009
#1	761.64	.00014	.03401	-.00160	346.52	-.00018	.00893	4.5786	-.00012
#2	761.56	.00093	.03132	-.00271	346.43	-.00099	.00748	4.5770	-.00044
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2688**	**-.00125**	**-.00005**	**.00323**	**.03369**	**.00195**	**.00295**	**-.00003**
Stddev	.0011	.00053	.00001	.00160	.06434	.00029	.00041	.00044
%RSD	.08571	42.415	10.327	49.513	190.98	14.775	13.832	1481.5
#1	1.2695	-.00087	-.00006	.00210	.07918	.00215	.00266	.00028
#2	1.2680	-.00162	-.00005	.00436	-.01180	.00175	.00324	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4838.4**	**79501.**	**6748.4**
Stddev	.7	4.	.7
%RSD	.01418	.00542	.01014
#1	4838.8	79498.	6748.0
#2	4837.9	79505.	6748.9

Sample Name: 280-61957-I-2-D Acquired: 11/17/2014 0:55:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00513**	**.00263**	**1.7025**	**.00830**	**-.00006**	**-.00182**	**18.251**	**-.00012**
Stddev	.00010	.00037	.00526	.0011	.00001	.00002	.00038	.151	.00013
%RSD	16.084	7.1307	200.29	.06442	.13393	28.773	21.126	.82816	101.56
#1	.00053	-.00487	-.00109	1.7018	.00831	-.00005	-.00155	18.358	-.00004
#2	.00067	-.00538	.00635	1.7033	.00829	-.00008	-.00209	18.144	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00016**	**.00132**	**.01080**	**1.2596**	**.41262**	**1.7466**	**.05996**	**.01309**
Stddev	.00007	.00018	.00001	.00238	.0059	.00233	.0080	.00010	.00085
%RSD	28.710	112.02	1.0370	22.085	.46599	.56388	.45864	.16650	6.4688
#1	.00027	-.00003	.00131	.01248	1.2638	.41427	1.7523	.05989	.01368
#2	.00018	-.00029	.00133	.00911	1.2555	.41098	1.7410	.06003	.01249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **798.50**	**.00037**	**.00759**	**-.00138**	**347.47**	**-.00185**	**-.00113**	**3.9801**	**-.00030**
Stddev	6.24	.00009	.00434	.00280	.01	.00057	.00204	.0268	.00031
%RSD	.78190	23.546	57.220	203.13	.00235	30.933	180.47	.67321	103.42
#1	802.92	.00031	.00452	.00060	347.47	-.00226	-.00257	3.9991	-.00008
#2	794.09	.00043	.01066	-.00336	347.48	-.00145	.00031	3.9612	-.00051
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0536**	**-.00138**	**-.00033**	**-.00012**	**.01213**	**.00004**	**.00068**	**-.00108**
Stddev	.0862	.00052	.00013	.00121	.01689	.00011	.00101	.00042
%RSD	1.4236	37.724	38.540	969.26	139.17	307.03	148.80	38.677
#1	6.1146	-.00101	-.00042	.00073	.02408	.00011	.00140	-.00138
#2	5.9927	-.00175	-.00024	-.00098	.00019	-.00004	-.00004	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4824.6**	**79485.**	**6653.1**
Stddev	1.6	44.	62.2
%RSD	.03252	.05487	.93514
#1	4825.7	79516.	6609.1
#2	4823.5	79454.	6697.1

Sample Name: 280-61957-I-5-D Acquired: 11/17/2014 0:58:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00701**	**.00194**	**.62897**	**.00927**	**.00006**	**.00022**	**69.286**	**.00004**
Stddev	.00011	.00085	.00053	.00052	.00004	.00004	.00271	.295	.00007
%RSD	81.914	12.056	27.501	.08210	.43916	62.861	1208.3	.42623	163.34
#1	.00020	-.00642	.00232	.62860	.00924	.00009	-.00169	69.494	-.00001
#2	.00005	-.00761	.00157	.62933	.00929	.00004	.00214	69.077	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00017**	**.00243**	**.00264**	**1.4980**	**.16471**	**11.063**	**.00094**	**.00477**
Stddev	.00031	.00001	.00025	.00040	.0676	.00108	.010	.00005	.00008
%RSD	966.98	6.3972	10.437	15.131	4.5124	.65470	.08943	5.0872	1.6187
#1	.00019	-.00017	.00261	.00292	1.4502	.16547	11.056	.00098	.00483
#2	-.00025	-.00018	.00225	.00235	1.5458	.16394	11.070	.00091	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **586.90**	**.00053**	**.02705**	**-.00018**	**264.36**	**.00238**	**.00623**	**3.7752**	**-.00102**
Stddev	2.98	.00000	.00131	.00045	.06	.00135	.00597	.0066	.00044
%RSD	.50720	.16688	4.8397	250.09	.02430	56.717	95.804	.17353	43.115
#1	589.00	.00054	.02797	.00014	264.32	.00333	.00201	3.7799	-.00071
#2	584.79	.00053	.02612	-.00050	264.41	.00142	.01045	3.7706	-.00133
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2642**	**-.00104**	**.00023**	**.00188**	**.07719**	**.00753**	**.02509**	**.00073**
Stddev	.0701	.00151	.00008	.00023	.02679	.00016	.00019	.00111
%RSD	1.1186	145.31	36.071	12.023	34.708	2.1339	.76594	152.56
#1	6.2147	.00003	.00017	.00172	.09613	.00742	.02496	-.00006
#2	6.3138	-.00210	.00029	.00204	.05825	.00764	.02523	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4821.9**	**79432.**	**6661.7**
Stddev	13.3	2.	6.3
%RSD	.27630	.00292	.09451
#1	4831.4	79430.	6657.2
#2	4812.5	79433.	6666.1

Sample Name: 280-61957-I-6-D Acquired: 11/17/2014 1:01:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00589**	**.00179**	**.60272**	**.00895**	**-.00000**	**-.00005**	**65.547**	**.00023**
Stddev	.00044	.00036	.00209	.00114	.00008	.00005	.00162	.088	.00002
%RSD	343.27	6.1756	117.29	.18958	.90205	6586.2	3171.3	.13485	10.505
#1	.00044	-.00564	.00030	.60353	.00889	.00004	.00109	65.610	.00025
#2	-.00018	-.00615	.00327	.60191	.00901	-.00004	-.00120	65.485	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00011**	**.00243**	**.00330**	**1.4054**	**.15696**	**10.472**	**.00089**	**.00472**
Stddev	.00006	.00007	.00024	.00021	.0157	.00162	.014	.00003	.00023
%RSD	55.403	67.959	9.7621	6.4125	1.1180	1.0316	.13785	2.9146	4.9277
#1	.00007	.00005	.00226	.00345	1.3943	.15810	10.461	.00091	.00456
#2	.00015	.00016	.00259	.00315	1.4165	.15581	10.482	.00087	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **557.66**	**.00066**	**.02921**	**-.00127**	**253.75**	**.00148**	**.00722**	**3.6133**	**.00024**
Stddev	1.28	.00040	.00382	.00079	.10	.00063	.00003	.0063	.00092
%RSD	.22995	59.985	13.077	62.409	.04092	42.520	.43706	.17435	377.57
#1	558.57	.00094	.03191	-.00071	253.82	.00193	.00725	3.6178	-.00041
#2	556.75	.00038	.02651	-.00184	253.68	.00104	.00720	3.6089	.00089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.9519**	**-.00081**	**-.00031**	**-.00035**	**.01315**	**.00699**	**.02191**	**.00058**
Stddev	.0835	.00121	.00041	.00031	.01023	.00023	.00014	.00295
%RSD	1.4027	148.85	129.12	89.070	77.748	3.3379	.65274	513.68
#1	6.0109	.00004	-.00060	-.00013	.00592	.00715	.02201	.00266
#2	5.8928	-.00167	-.00003	-.00057	.02038	.00682	.02181	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4876.7**	**80550.**	**6800.2**
Stddev	3.8	96.	17.6
%RSD	.07825	.11947	.25827
#1	4879.4	80618.	6787.8
#2	4874.0	80482.	6812.6

Sample Name: 280-61957-E-7-C Acquired: 11/17/2014 1:04:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00858**	**.00212**	**1.6034**	**.00927**	**.00002**	**.00002**	**24.877**	**.00002**
Stddev	.00032	.00086	.00219	.0012	.00011	.00005	.00085	.015	.00017
%RSD	243.30	10.009	103.48	.07556	1.1728	291.37	3459.0	.06094	857.25
#1	-.00009	.00919	.00366	1.6025	.00935	-.00002	.00062	24.888	.00014
#2	.00035	.00797	.00057	1.6042	.00920	.00005	-.00058	24.866	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00022**	**.00131**	**.01493**	**1.6993**	**.54577**	**2.7187**	**.00074**	**.00170**
Stddev	.00010	.00002	.00031	.00170	.0155	.00213	.0080	.00009	.00035
%RSD	56.924	8.1097	23.743	11.381	.90916	.38967	.29351	11.985	20.757
#1	.00011	.00021	.00153	.01373	1.7103	.54727	2.7131	.00067	.00195
#2	.00026	.00024	.00109	.01613	1.6884	.54427	2.7244	.00080	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1159.9**	**.00052**	**.00589**	**-.00120**	**414.68**	**.00103**	**.08569**	**4.9912**	**.00015**
Stddev	1.0	.00053	.00378	.00083	.21	.00124	.00053	.0034	.00047
%RSD	.08329	102.44	64.188	69.286	.05138	119.90	.61845	.06866	311.91
#1	1159.2	.00090	.00856	-.00178	414.52	.00016	.08532	4.9887	.00049
#2	1160.5	.00014	.00321	-.00061	414.83	.00190	.08607	4.9936	-.00018
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9805**	**.00167**	**.00050**	**-.00093**	**.06081**	**.04579**	**.00204**	**.00145**
Stddev	.0017	.00038	.00028	.00132	.02805	.00006	.00016	.00025
%RSD	.08432	22.746	54.897	142.46	46.131	.13526	7.8162	16.936
#1	1.9793	.00140	.00031	-.00186	.04098	.04583	.00193	.00127
#2	1.9816	.00194	.00070	.00001	.08065	.04575	.00216	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4743.7**	**77813.**	**6731.2**
Stddev	2.4	131.	6.0
%RSD	.05082	.16886	.08862
#1	4745.4	77906.	6727.0
#2	4742.0	77720.	6735.4

Sample Name: 280-61957-G-8-C Acquired: 11/17/2014 1:07:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00775**	**.00244**	**1.4183**	**.01369**	**.00004**	**-.00217**	**53.749**	**.00021**
Stddev	.00024	.00074	.00084	.0016	.00000	.00015	.00278	.002	.00009
%RSD	146.33	9.6009	34.423	.11051	.03536	354.07	128.04	.00342	43.895
#1	.00034	-.00722	.00303	1.4172	.01369	-.00006	-.00414	53.747	.00027
#2	-.00001	-.00828	.00184	1.4194	.01369	.00015	-.00021	53.750	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00001**	**.00179**	**.00612**	**.73126**	**.18013**	**10.881**	**.00537**	**.00158**
Stddev	.00014	.00014	.00018	.00254	.00929	.00119	.020	.00005	.00031
%RSD	39.150	2681.9	9.7705	41.512	1.2703	.65807	.18456	.92421	19.905
#1	.00046	-.00009	.00192	.00432	.73783	.17930	10.866	.00534	.00136
#2	.00026	.00010	.00167	.00792	.72470	.18097	10.895	.00541	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1025.3**	**.00039**	**.03816**	**-.00213**	**363.13**	**-.00033**	**.06176**	**4.8403**	**.00148**
Stddev	.5	.00043	.00259	.00044	.09	.00300	.00045	.0026	.00006
%RSD	.04995	111.82	6.7744	20.564	.02522	913.12	.72707	.05347	4.0584
#1	1025.0	.00008	.03633	-.00182	363.07	.00179	.06207	4.8385	.00152
#2	1025.7	.00069	.03999	-.00244	363.19	-.00245	.06144	4.8422	.00144
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9444**	**-.00225**	**-.00020**	**.00229**	**.09901**	**.00220**	**.01058**	**-.00010**
Stddev	.0034	.00169	.00017	.00033	.00385	.00027	.00103	.00070
%RSD	.17486	75.255	86.409	14.582	3.8920	12.289	9.7350	727.84
#1	1.9420	-.00344	-.00032	.00253	.09628	.00239	.00985	.00040
#2	1.9468	-.00105	-.00008	.00205	.10173	.00201	.01131	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4745.1**	**78116.**	**6744.5**
Stddev	6.9	179.	16.5
%RSD	.14585	.22856	.24394
#1	4740.2	78242.	6732.8
#2	4750.0	77990.	6756.1

Sample Name: 280-61957-G-9-D Acquired: 11/17/2014 1:10:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00816**	**.00408**	**2.0262**	**.00819**	**.00005**	**-.00034**	**35.108**	**-.00010**
Stddev	.00026	.00006	.00381	.0023	.00015	.00004	.00396	.038	.00001
%RSD	60.174	.67698	93.458	.11442	1.8766	68.370	1169.3	.10719	11.965
#1	.00024	-.00820	.00678	2.0278	.00830	.00003	-.00314	35.135	-.00011
#2	.00060	-.00812	.00138	2.0246	.00808	.00008	.00246	35.082	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00171**	**.00141**	**.00120**	**.91726**	**.33354**	**5.8482**	**.00025**	**.00950**
Stddev	.00003	.00011	.00018	.00425	.02576	.00036	.0083	.00007	.00017
%RSD	16.965	6.6794	12.474	354.73	2.8088	.10733	.14165	26.729	1.7583
#1	.00019	.00180	.00128	.00420	.89904	.33329	5.8540	.00029	.00962
#2	.00015	.00163	.00153	-.00181	.93547	.33379	5.8423	.00020	.00938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **988.77**	**.00058**	**.00719**	**-.00224**	**428.51**	**.00129**	**.09624**	**4.4152**	**.00032**
Stddev	.89	.00002	.00136	.00141	.62	.00144	.00112	.0090	.00016
%RSD	.09049	4.0856	18.899	63.098	.14410	111.38	1.1595	.20305	48.385
#1	988.14	.00060	.00815	-.00124	428.95	.00231	.09702	4.4089	.00021
#2	989.40	.00056	.00623	-.00324	428.07	.00027	.09545	4.4216	.00043
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4505**	**-.00018**	**-.00012**	**.00042**	**.06843**	**.01623**	**.00257**	**.00037**
Stddev	.0018	.00059	.00026	.00071	.01315	.00102	.00035	.00011
%RSD	.07149	332.88	211.72	170.64	19.213	6.3143	13.715	29.570
#1	2.4518	.00024	.00006	.00092	.05913	.01551	.00232	.00044
#2	2.4493	-.00059	-.00031	-.00009	.07773	.01695	.00282	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4773.0**	**78879.**	**6760.8**
Stddev	3.5	103.	8.9
%RSD	.07319	.13048	.13225
#1	4775.4	78806.	6754.4
#2	4770.5	78952.	6767.1

Sample Name: 280-61957-E-10-C Acquired: 11/17/2014 1:13:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00931**	**.00315**	**.51669**	**.01189**	**-.00007**	**-.00117**	**117.60**	**.00017**
Stddev	.00025	.00154	.00087	.00083	.00004	.00001	.00133	.61	.00016
%RSD	44.502	16.528	27.758	.15978	.34755	11.713	113.75	.52248	93.373
#1	.00073	-.01040	.00377	.51727	.01186	-.00008	-.00211	118.04	.00029
#2	.00038	-.00823	.00253	.51610	.01192	-.00007	-.00023	117.17	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00009**	**.00890**	**.00461**	**.41084**	**.10873**	**18.787**	**.01093**	**.00387**
Stddev	.00001	.00022	.00004	.00191	.00803	.00058	.008	.00007	.00039
%RSD	247.97	244.34	.47293	41.543	1.9534	.52959	.04202	.65951	10.016
#1	.00001	.00024	.00887	.00325	.40516	.10914	18.792	.01088	.00415
#2	-.00000	-.00006	.00893	.00596	.41651	.10832	18.781	.01098	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **594.04**	**.00078**	**.04086**	**-.00103**	**301.47**	**.00055**	**.00472**	**4.5175**	**-.00051**
Stddev	3.11	.00007	.00124	.00012	.25	.00140	.00255	.0024	.00008
%RSD	.52433	8.7746	3.0345	12.072	.08213	252.66	54.000	.05354	15.644
#1	596.25	.00083	.03999	-.00094	301.64	.00154	.00652	4.5192	-.00046
#2	591.84	.00074	.04174	-.00111	301.29	-.00044	.00292	4.5158	-.00057
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1028**	**.00091**	**-.00004**	**-.00015**	**.03778**	**.01357**	**.00180**	**-.00162**
Stddev	.0606	.00175	.00024	.00212	.00509	.00001	.00009	.00011
%RSD	1.1884	193.57	603.28	1443.8	13.464	.05398	4.8474	7.0776
#1	5.0599	.00214	.00013	-.00165	.03418	.01357	.00186	-.00170
#2	5.1457	-.00033	-.00021	.00135	.04137	.01356	.00174	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4826.7**	**80185.**	**6788.2**
Stddev	12.7	128.	17.8
%RSD	.26372	.15902	.26149
#1	4817.7	80275.	6775.6
#2	4835.7	80095.	6800.8

Sample Name: 280-61957-I-11-D Acquired: 11/17/2014 1:16:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00496**	**.00441**	**.58551**	**.01200**	**-.00002**	**-.00199**	**81.840**	**.00010**
Stddev	.00085	.00064	.00121	.00296	.00013	.00002	.00085	.418	.00026
%RSD	439.06	12.831	27.330	.50518	1.0532	86.683	42.423	.51087	253.56
#1	.00080	-.00541	.00527	.58760	.01191	-.00003	-.00259	82.135	-.00008
#2	-.00041	-.00451	.00356	.58342	.01209	-.00001	-.00140	81.544	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00010**	**.00097**	**.00463**	**1.2759**	**.12434**	**15.066**	**.01623**	**.00564**
Stddev	.00006	.00002	.00003	.00017	.0056	.00180	.016	.00008	.00016
%RSD	20.323	17.324	3.3066	3.6179	.44308	1.4437	.10508	.52213	2.8108
#1	.00036	-.00011	.00099	.00475	1.2799	.12307	15.078	.01629	.00575
#2	.00027	-.00008	.00094	.00451	1.2719	.12561	15.055	.01617	.00553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **566.02**	**.00057**	**.03163**	**-.00148**	**271.74**	**.00043**	**.00957**	**3.9849**	**.00047**
Stddev	2.64	.00013	.00219	.00139	.54	.00070	.00265	.0203	.00173
%RSD	.46712	23.591	6.9303	93.724	.19799	161.51	27.643	.50962	364.00
#1	567.89	.00066	.03008	-.00050	272.12	-.00006	.01144	3.9993	.00169
#2	564.15	.00047	.03318	-.00246	271.36	.00093	.00770	3.9706	-.00075
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3549**	**-.00046**	**.00001**	**.00116**	**.03216**	**.00655**	**.01177**	**.00033**
Stddev	.0062	.00061	.00032	.00079	.01070	.00003	.00005	.00131
%RSD	.11535	131.54	3975.3	68.036	33.264	.42254	.43047	401.49
#1	5.3592	-.00089	.00023	.00060	.02459	.00653	.01180	-.00060
#2	5.3505	-.00003	-.00022	.00173	.03972	.00657	.01173	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4829.1**	**79530.**	**6689.3**
Stddev	.4	32.	24.4
%RSD	.00827	.03985	.36460
#1	4828.8	79553.	6672.0
#2	4829.4	79508.	6706.5

Sample Name: 280-61957-I-12-D Acquired: 11/17/2014 1:19:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251713 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**-.00681**	**.00165**	**.64010**	**.01334**	**.00005**	**-.00005**	**80.840**	**.00019**
Stddev	.00085	.00018	.00023	.00147	.00014	.00001	.00134	.534	.00000
%RSD	99.318	2.5899	14.198	.22918	1.0401	27.295	2822.0	.66113	1.5567
#1	.00025	-.00669	.00149	.63907	.01344	.00005	.00090	81.218	.00019
#2	.00146	-.00694	.00182	.64114	.01324	.00004	-.00100	80.462	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00049**	**.00218**	**.02830**	**1.2978**	**.17744**	**12.622**	**.00065**	**.01912**
Stddev	.00017	.00006	.00028	.00204	.0220	.00184	.023	.00002	.00033
%RSD	37.056	11.488	12.621	7.2082	1.6951	1.0376	.18481	2.8359	1.7195
#1	.00059	.00045	.00238	.02974	1.2822	.17614	12.605	.00064	.01889
#2	.00034	.00053	.00199	.02686	1.3134	.17875	12.638	.00066	.01936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **575.62**	**.00104**	**.02615**	**-.00149**	**286.81**	**.00208**	**.01488**	**5.0065**	**-.00088**
Stddev	2.99	.00020	.00030	.00177	.06	.00291	.00074	.0029	.00011
%RSD	.52002	19.476	1.1428	118.73	.01987	140.15	4.9896	.05863	12.688
#1	577.74	.00090	.02637	-.00024	286.85	.00414	.01435	5.0085	-.00096
#2	573.51	.00119	.02594	-.00273	286.77	.00002	.01540	5.0044	-.00080
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2897**	**-.00017**	**-.00029**	**.00162**	**.04446**	**.01309**	**.00987**	**.00016**
Stddev	.0368	.00032	.00004	.00014	.02544	.00017	.00011	.00063
%RSD	.69553	192.10	13.312	8.4247	57.222	1.3191	1.1157	392.24
#1	5.2637	-.00040	-.00032	.00152	.06245	.01297	.00979	-.00028
#2	5.3157	.00006	-.00026	.00171	.02647	.01321	.00995	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4843.1**	**80128.**	**6761.4**
Stddev	7.1	309.	49.5
%RSD	.14659	.38502	.73164
#1	4838.1	80346.	6726.4
#2	4848.2	79910.	6796.4

Sample Name: ccvh-2982968 Acquired: 11/17/2014 1:22:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00635**	F **55.191**	**-.00075**	**.00933**	**-.00011**	**-.00005**	**1.0539**	**-.09308**	**-.00040**	**.00162**	**-.00051**	**.00470**
Stddev	.00018	.085	.00289	.00040	.00030	.00018	.0010	.00046	.00012	.00028	.00009	.00011
%RSD	2.8059	.15371	387.34	4.2696	263.11	365.03	.09848	.49956	30.911	17.338	18.320	2.2637
#1	.00647	55.251	-.00279	.00962	-.00032	.00008	1.0532	-.09275	-.00031	.00182	-.00044	.00462
#2	.00622	55.131	.00130	.00905	.00010	-.00018	1.0546	-.09341	-.00048	.00142	-.00057	.00477
Check ?	None	Chk Fail	None	None	None	None	Chk Pass	None	None	None	None	None
Value		50.000										
Range		10.000%										

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.173**	**.02366**	**-.00422**	**.14530**	**-.00327**	**-.00187**	**267.56**	**.00856**	**.00557**	**.00270**	**5.2982**	**.00771**
Stddev	.264	.02016	.00055	.00405	.00005	.00018	.89	.00013	.00288	.00130	.0102	.00021
%RSD	.46974	85.195	13.149	2.7906	1.5255	9.7420	.33404	1.5201	51.683	48.197	.19264	2.7682
#1	56.359	.03792	-.00383	.14243	-.00323	-.00174	268.19	.00847	.00760	.00178	5.2910	.00787
#2	55.986	.00941	-.00461	.14817	-.00330	-.00200	266.93	.00865	.00353	.00362	5.3055	.00756
Check ?	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value	50.000											
Range	10.000%											

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00444**	**-.00890**	**.00168**	**.00116**	**5.0645**	**-.02477**	**.00083**	**10.230**	**.00365**	**-.00039**	**-.03838**
Stddev	.00247	.00090	.00016	.00004	.0057	.00001	.00061	.017	.00032	.00022	.00306
%RSD	55.543	10.163	9.5456	3.3133	.11232	.02235	73.839	.16613	8.8707	56.380	7.9745
#1	.00270	-.00954	.00179	.00119	5.0604	-.02477	.00126	10.242	.00388	-.00024	-.04055
#2	.00618	-.00826	.00156	.00113	5.0685	-.02478	.00040	10.218	.00342	-.00055	-.03622
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5005.9**	**82803.**	**6805.7**
Stddev	.4	24.	32.5
%RSD	.00709	.02855	.47695
#1	5005.6	82787.	6782.7
#2	5006.1	82820.	6828.6

Sample Name: ccv-2984587 Acquired: 11/17/2014 1:25:34 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49974**	**.52176**	**.99311**	**.50846**	**.52486**	**.51458**	**.00758**	**5.1814**	**.49828**	**.50094**	**.51455**	**.50064**
Stddev	.00093	.00108	.00404	.00120	.00044	.00086	.00440	.0149	.00067	.00020	.00016	.00097
%RSD	.18578	.20621	.40708	.23549	.08347	.16802	58.053	.28659	.13518	.03948	.03148	.19305
#1	.49909	.52252	.99025	.50761	.52455	.51397	.01069	5.1709	.49780	.50080	.51466	.50132
#2	.50040	.52100	.99597	.50930	.52517	.51519	.00447	5.1919	.49876	.50108	.51443	.49996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6795**	**49.653**	**1.0921**	**19.380**	**.50023**	**.51444**	F **5.7583**	**.50377**	**1.0207**	**1.0160**	**.08855**	**1.0070**
Stddev	.0062	.026	.0001	.008	.00004	.00016	.0043	.00042	.0023	.0028	.00324	.0011
%RSD	.23081	.05310	.01023	.04334	.00768	.03173	.07553	.08381	.22239	.27151	3.6635	.10784
#1	2.6752	49.671	1.0921	19.374	.50026	.51432	5.7614	.50407	1.0191	1.0140	.09085	1.0062
#2	2.6839	49.634	1.0920	19.386	.50020	.51455	5.7552	.50348	1.0223	1.0179	.08626	1.0078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0120**	**5.1301**	**1.0202**	**.53263**	**.01318**	**.50666**	**1.0244**	**-.01127**	**.49297**	**.49137**	**.51503**
Stddev	.0018	.0151	.0006	.00057	.00064	.00073	.0003	.02821	.00090	.00106	.00109
%RSD	.17602	.29367	.06238	.10695	4.8269	.14329	.02552	250.30	.18348	.21474	.21218
#1	1.0107	5.1195	1.0207	.53223	.01273	.50614	1.0246	.00868	.49361	.49212	.51426
#2	1.0133	5.1408	1.0198	.53304	.01363	.50717	1.0243	-.03122	.49233	.49063	.51581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5127.2**	**85107.**	**6847.8**
Stddev	5.0	74.	3.0
%RSD	.09760	.08674	.04374
#1	5123.7	85159.	6849.9
#2	5130.7	85054.	6845.7

Sample Name: CCB Acquired: 11/17/2014 1:28:03 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00122**	**-.00083**	F **.00640**	**-.00027**	**.00002**	**-.00080**	**.00980**	**.00009**	**-.00035**	W **-.00074**
Stddev	.00006	.00027	.00293	.00045	.00010	.00008	.00034	.00085	.00004	.00025	.00011
%RSD	22.953	21.932	354.51	6.9516	35.704	395.68	42.449	8.7178	43.898	72.298	14.228
#1	.00030	-.00103	.00125	.00672	-.00034	-.00004	-.00104	.00919	.00012	-.00053	-.00067
#2	.00021	-.00141	-.00290	.00609	-.00020	.00008	-.00056	.01040	.00006	-.00017	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00312							.00066
Low Limit				-.00312							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00421**	**-.07561**	**-.00186**	**.00290**	**.00009**	**.00034**	F **.41009**	**-.00022**	**.00089**	**-.00136**
Stddev	.00027	.00051	.01734	.00131	.00133	.00005	.00015	.01054	.00011	.00357	.00014
%RSD	4340.7	12.062	22.938	70.724	45.778	57.020	44.744	2.5692	50.589	402.43	10.592
#1	.00020	.00457	-.06334	-.00093	.00196	.00012	.00044	.41754	-.00014	.00341	-.00147
#2	-.00018	.00385	-.08787	-.00278	.00384	.00005	.00023	.40264	-.00030	-.00164	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.20152			
Low Limit								-.20152			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07418**	**.00046**	**-.00008**	**-.00648**	**.00019**	**.00029**	**-.00066**	**.00000**	**-.00117**	**-.02218**	**.00042**
Stddev	.00149	.00090	.00195	.02273	.00019	.00002	.00038	.00067	.00037	.03203	.00013
%RSD	2.0037	197.29	2524.9	350.78	99.189	5.5081	57.611	27234.	31.687	144.46	31.193
#1	.07523	-.00018	.00130	-.02256	.00032	.00030	-.00093	.00048	-.00144	.00048	.00052
#2	.07313	.00109	-.00145	.00959	.00006	.00028	-.00039	-.00047	-.00091	-.04483	.00033
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00032**	**-.00035**
Stddev	.00073	.00043
%RSD	228.47	121.77
#1	.00020	-.00005
#2	-.00084	-.00066
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5161.1**	**86472.**	**6777.4**
Stddev	8.4	298.	10.1
%RSD	.16272	.34475	.14935
#1	5155.1	86261.	6784.6
#2	5167.0	86683.	6770.2

Sample Name: CCVL2994263 Acquired: 11/17/2014 1:30:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01120**	**.11329**	**.01545**	**.11107**	**.01108**	**.00116**	**.11502**	**.23014**	**.00556**	**.01083**	**.01061**	**.01623**
Stddev	.00042	.00027	.00037	.00042	.00013	.00003	.00084	.00466	.00012	.00023	.00006	.00021
%RSD	3.7893	.24048	2.3930	.37521	1.1945	2.4500	.72939	2.0237	2.2030	2.1332	.54560	1.2717
#1	.01090	.11348	.01519	.11136	.01117	.00118	.11561	.22684	.00564	.01100	.01065	.01637
#2	.01150	.11309	.01571	.11077	.01098	.00114	.11443	.23343	.00547	.01067	.01057	.01608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11859**	**3.2123**	**.01028**	**.22211**	**.01100**	**.02219**	F **1.5129**	**.04417**	**3.1654**	**.00874**	**.06072**	**.01171**
Stddev	.00268	.0131	.00167	.00258	.00002	.00034	.0021	.00020	.0034	.00046	.00351	.00016
%RSD	2.2625	.40706	16.285	1.1629	.22458	1.5324	.13805	.44378	.10725	5.2781	5.7725	1.4063
#1	.12049	3.2215	.01147	.22394	.01102	.02243	1.5114	.04431	3.1678	.00841	.06320	.01160
#2	.11669	3.2030	.00910	.22028	.01099	.02195	1.5144	.04403	3.1630	.00907	.05824	.01183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01881**	**.55211**	**.11097**	**.01170**	**.01440**	**.01086**	**.01702**	**.06638**	**.01051**	**.02144**	**.01614**
Stddev	.00027	.00542	.00073	.00004	.00125	.00007	.00064	.00368	.00034	.00022	.00034
%RSD	1.4149	.98243	.66131	.37061	8.6524	.64953	3.7410	5.5479	3.2453	1.0121	2.1317
#1	.01862	.54827	.11149	.01173	.01352	.01082	.01657	.06378	.01075	.02159	.01589
#2	.01900	.55594	.11045	.01166	.01528	.01091	.01747	.06898	.01027	.02128	.01638
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5212.4**	**86958.**	**6899.7**
Stddev	3.9	144.	20.3
%RSD	.07482	.16551	.29393
#1	5215.1	87060.	6914.0
#2	5209.6	86856.	6885.4

Sample Name: LB2 280-251704/1-B Acquired: 11/17/2014 1:33:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 252060 6010C Q5 tclp (Ag)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.01597**	**.00042**	F **.08632**	F **.01016**	**-.00002**	**.00072**	F **1.0340**	**.00003**
Stddev	.00018	.00115	.00138	.00001	.00021	.00003	.00031	.0058	.00002
%RSD	25.386	7.1978	330.47	.01575	2.0626	155.54	42.887	.56007	52.754
#1	.00085	.01679	-.00056	.08632	.01002	-.00004	.00094	1.0381	.00002
#2	.00059	.01516	.00140	.08633	.01031	.00000	.00050	1.0299	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.01000	.01000			.20000	
Low Limit				-.01000	-.01000			-.20000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.00022**	W **.00730**	**.01022**	**.06204**	**-.00299**	F **.10790**	**.00103**	**.00016**
Stddev	.00009	.00003	.00020	.00155	.02505	.00041	.00123	.00009	.00002
%RSD	26.587	13.275	2.7592	15.156	40.382	13.714	1.1371	8.6903	10.629
#1	-.00027	-.00024	.00716	.01131	.07975	-.00270	.10703	.00097	.00018
#2	-.00040	-.00020	.00745	.00912	.04432	-.00329	.10877	.00110	.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.00500				.10000		
Low Limit			-.00500				-.10000		

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.1998**	**.00019**	W **.00541**	**-.00031**	**.06694**	**.00044**	**.00312**	**.01341**	**.00108**
Stddev	.0106	.00029	.00031	.00090	.00316	.00128	.00566	.00330	.00059
%RSD	.20395	151.18	5.6468	287.74	4.7154	290.78	181.47	24.621	54.193
#1	5.2073	-.00001	.00519	.00033	.06471	-.00046	-.00088	.01108	.00067
#2	5.1923	.00040	.00562	-.00095	.06918	.00134	.00712	.01575	.00149
Check ?	Chk Fail	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		.00500						
Low Limit	-1.0000		-.00500						

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00507**	**.00022**	**.00032**	**-.00077**	**-.00336**	**-.00035**	W **.00810**	**-.00070**
Stddev	.00009	.00040	.00010	.00130	.01838	.00012	.00007	.00062
%RSD	1.7830	184.28	31.536	168.91	547.26	35.408	.87898	89.154
#1	.00501	-.00007	.00025	.00015	.00964	-.00044	.00815	-.00026
#2	.00513	.00050	.00039	-.00169	-.01636	-.00026	.00805	-.00113
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500						.00500	
Low Limit	-.00500						-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5268.6**	**88564.**	**7004.8**
Stddev	6.8	256.	20.6
%RSD	.12952	.28883	.29345
#1	5263.7	88384.	7019.3
#2	5273.4	88745.	6990.2

Sample Name: LCS 280-251704/2-B Acquired: 11/17/2014 1:36:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252060 6010C Q5 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21786**	**.43909**	**.78722**	F **.28304**	**2.5881**	**.01033**	**.43987**	**11.401**	**.22260**
Stddev	.00008	.00188	.00137	.00021	.0086	.00002	.00134	.060	.00015
%RSD	.03840	.42711	.17422	.07570	.33433	.20712	.30473	.52463	.06629
#1	.21780	.44041	.78625	.28319	2.5820	.01035	.44082	11.359	.22250
#2	.21792	.43776	.78819	.28289	2.5942	.01032	.43892	11.443	.22271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.24000					
Low Limit				.16000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10129**	**1.0868**	**.46540**	**.22497**	**10.157**	**.21979**	**9.8963**	**.10208**	**.21321**
Stddev	.00005	.0014	.00068	.00493	.096	.00147	.0069	.00039	.00020
%RSD	.05361	.12632	.14529	2.1900	.94876	.66924	.06962	.38321	.09328
#1	.10125	1.0878	.46588	.22148	10.089	.21875	9.9012	.10235	.21307
#2	.10133	1.0858	.46492	.22845	10.225	.22083	9.8915	.10180	.21336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.423**	**.10169**	**2.0970**	**1.1521**	**.44583**	**.09835**	**.62162**	F **2.0822**	**.41304**
Stddev	.236	.00025	.0005	.0009	.00164	.00011	.00039	.0008	.00055
%RSD	1.4400	.24698	.02372	.07771	.36843	.10791	.06235	.04055	.13265
#1	16.256	.10152	2.0973	1.1515	.44467	.09828	.62135	2.0816	.41265
#2	16.591	.10187	2.0966	1.1527	.44699	.09843	.62190	2.0828	.41342
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	12.000							.48000	
Low Limit	8.0000							.32000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22211**	**.19778**	**.20235**	**.42070**	**.42153**	**.09888**	**.49353**	**.10180**
Stddev	.00087	.00129	.00088	.00070	.00510	.00061	.00161	.00044
%RSD	.39095	.65373	.43563	.16640	1.2095	.61895	.32531	.42739
#1	.22149	.19870	.20297	.42119	.42513	.09845	.49239	.10150
#2	.22272	.19687	.20172	.42020	.41792	.09932	.49466	.10211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5223.4**	**87655.**	**7000.3**
Stddev	2.5	65.	33.1
%RSD	.04823	.07380	.47353
#1	5225.2	87609.	7023.8
#2	5221.6	87701.	6976.9

Sample Name: 280-62014-B-1-C Acquired: 11/17/2014 1:38:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252060 6010C Q5 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00000**	**.00243**	**.14954**	**.11197**	**-.00006**	**-.00764**	**451.67**	**.00022**
Stddev	.00016	.00055	.00020	.00005	.00039	.00002	.00199	.84	.00012
%RSD	38.637	2529300.	8.1058	.03146	.34472	44.707	26.071	.18651	55.413
#1	.00031	-.00039	.00229	.14957	.11224	-.00007	-.00623	451.08	.00014
#2	.00054	.00039	.00256	.14950	.11170	-.00004	-.00905	452.27	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.02423**	**.00124**	**.00377**	**11.161**	**.01561**	**9.5946**	**.00019**	**.02325**
Stddev	.00041	.00010	.00019	.00136	.026	.00253	.0094	.00005	.00024
%RSD	142.77	.40404	15.596	36.214	.23384	16.199	.09819	24.367	1.0217
#1	.00000	.02417	.00110	.00280	11.180	.01382	9.5880	.00016	.02342
#2	-.00058	.02430	.00137	.00473	11.143	.01740	9.6013	.00023	.02308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3392**	**.00086**	**.00319**	**-.00079**	**10.511**	**.00434**	**.00332**	**6.5017**	**-.00070**
Stddev	.0153	.00010	.00002	.00110	.023	.00210	.00549	.0267	.00021
%RSD	.28707	11.895	.53239	140.17	.22207	48.377	165.39	.41132	30.076
#1	5.3284	.00093	.00320	-.00001	10.528	.00583	-.00056	6.4828	-.00055
#2	5.3501	.00079	.00317	-.00157	10.495	.00286	.00720	6.5206	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0696**	**.00081**	**-.00010**	**.00450**	**.00821**	**.00816**	**.00306**	**-.00052**
Stddev	.0001	.00059	.00019	.00167	.02327	.00017	.00004	.00173
%RSD	.01306	72.932	194.74	37.098	283.51	2.0579	1.2719	333.65
#1	1.0695	.00122	-.00023	.00332	-.00825	.00804	.00309	.00071
#2	1.0697	.00039	.00004	.00568	.02466	.00828	.00304	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4867.1**	**82392.**	**6897.8**
Stddev	1.0	155.	3.9
%RSD	.02156	.18863	.05611
#1	4867.8	82502.	6895.0
#2	4866.3	82282.	6900.5

Sample Name: 280-62014-B-1-C SD@5 Acquired: 11/17/2014 1:41:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252060 6010C Q5 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00175**	**.00180**	**.03265**	**.02214**	**-.00001**	**-.00214**	**93.314**	**.00016**
Stddev	.00016	.00121	.00156	.00038	.00020	.00001	.00027	.095	.00023
%RSD	30.013	69.357	86.413	1.1750	.89421	38.709	12.699	.10211	149.11
#1	.00043	-.00089	.00070	.03238	.02200	-.00002	-.00234	93.247	.00032
#2	.00066	-.00261	.00290	.03292	.02228	-.00001	-.00195	93.382	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00433**	**.00018**	**.01011**	**2.1445**	**.00132**	**2.0255**	**.00011**	**.00473**
Stddev	.00000	.00008	.00008	.00024	.0565	.00151	.0007	.00002	.00023
%RSD	1.0975	1.7739	46.272	2.4076	2.6331	114.00	.03589	20.376	4.9488
#1	-.00021	.00438	.00023	.00994	2.1844	.00026	2.0260	.00009	.00457
#2	-.00021	.00427	.00012	.01028	2.1045	.00239	2.0250	.00012	.00490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2674**	**.00022**	**-.00211**	**-.00074**	**2.0525**	**.00110**	**.00293**	**1.2819**	**-.00026**
Stddev	.0081	.00014	.00200	.00168	.0005	.00250	.00284	.0079	.00024
%RSD	.63863	65.246	94.742	228.14	.02346	227.90	96.925	.61761	92.669
#1	1.2617	.00032	-.00070	-.00192	2.0529	.00287	.00092	1.2763	-.00043
#2	1.2731	.00012	-.00353	.00045	2.0522	-.00067	.00494	1.2874	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21538**	**.00117**	**-.00030**	**.00117**	**.00590**	**.00128**	**.00063**	**-.00070**
Stddev	.00017	.00046	.00012	.00098	.00476	.00017	.00003	.00085
%RSD	.08026	39.652	40.692	84.119	80.705	13.084	5.4437	122.38
#1	.21526	.00084	-.00039	.00047	.00253	.00140	.00065	-.00130
#2	.21551	.00149	-.00021	.00187	.00927	.00117	.00060	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5124.5**	**85778.**	**6858.4**
Stddev	1.0	60.	2.4
%RSD	.02017	.06982	.03503
#1	5125.2	85820.	6860.1
#2	5123.7	85736.	6856.7

Sample Name: 280-62014-B-1-D MS Acquired: 11/17/2014 1:44:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252060 6010C Q5 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.22687**	**.42177**	**.84297**	**.34786**	**2.7668**	**.01055**	**.44348**	**421.09**	**.23340**
Stddev	.00037	.00049	.00245	.00051	.0271	.00005	.00073	3.83	.00022
%RSD	.16478	.11537	.29026	.14679	.98096	.44578	.16463	.90853	.09422
#1	.22713	.42142	.84124	.34822	2.7476	.01052	.44400	418.39	.23325
#2	.22660	.42211	.84470	.34749	2.7860	.01058	.44296	423.80	.23356
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10050**	**1.1192**	**.47695**	**.22250**	**20.853**	**.25332**	**18.310**	**.10194**	**.23904**
Stddev	.00014	.0004	.00097	.00352	.140	.00041	.010	.00017	.00030
%RSD	.13797	.03462	.20389	1.5835	.67157	.16363	.05379	.16960	.12488
#1	.10060	1.1190	.47626	.22001	20.754	.25303	18.317	.10182	.23883
#2	.10040	1.1195	.47763	.22499	20.952	.25361	18.303	.10206	.23925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.060**	**.10223**	**2.2640**	**1.1405**	**10.038**	**.10458**	**.64937**	**8.0814**	**.41603**
Stddev	.132	.00008	.0024	.0008	.012	.00039	.00419	.0865	.00009
%RSD	.77377	.07897	.10783	.07204	.11605	.37495	.64578	1.0700	.02097
#1	16.967	.10228	2.2622	1.1399	10.046	.10430	.65234	8.0203	.41609
#2	17.153	.10217	2.2657	1.1411	10.029	.10486	.64641	8.1425	.41597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1915**	**.19957**	**.20875**	**.40541**	**.43547**	**.10937**	**.49609**	**.10628**
Stddev	.0111	.00148	.00086	.00175	.04066	.00038	.00133	.00223
%RSD	.93327	.74299	.41201	.43254	9.3362	.34457	.26803	2.1010
#1	1.1836	.19852	.20814	.40417	.46422	.10963	.49515	.10470
#2	1.1993	.20062	.20935	.40665	.40673	.10910	.49703	.10785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4904.9**	**82908.**	**6848.9**
Stddev	2.9	75.	55.4
%RSD	.05989	.08990	.80871
#1	4907.0	82961.	6888.0
#2	4902.8	82855.	6809.7

Sample Name: 280-62014-B-1-E MSD Acquired: 11/17/2014 1:46:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252060 6010C Q5 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20956	.39731	.77481	.32191	2.5731	.00983	.41047	393.90	.21759
Stddev	.00106	.00293	.00132	.00069	.0106	.00004	.00172	1.73	.00015
%RSD	.50529	.73829	.16989	.21299	.41366	.45684	.41929	.43973	.06865
#1	.21031	.39938	.77574	.32239	2.5806	.00980	.40926	395.13	.21749
#2	.20881	.39523	.77388	.32142	2.5656	.00986	.41169	392.68	.21770
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09450	1.0517	.44506	.20384	19.472	.23451	17.097	.09548	.22491
Stddev	.00027	.0007	.00099	.00030	.024	.00090	.016	.00012	.00020
%RSD	.28931	.06977	.22300	.14582	.12504	.38364	.09250	.12903	.08723
#1	.09469	1.0511	.44576	.20362	19.455	.23514	17.108	.09556	.22477
#2	.09430	1.0522	.44435	.20405	19.489	.23387	17.085	.09539	.22505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.795	.09561	2.0877	1.0658	9.2894	.09549	.59047	7.5551	.38885
Stddev	.170	.00019	.0019	.0010	.0068	.00155	.00436	.0470	.00162
%RSD	1.0770	.19553	.08984	.09697	.07315	1.6228	.73825	.62213	.41712
#1	15.675	.09574	2.0864	1.0651	9.2846	.09440	.58739	7.5883	.38770
#2	15.915	.09547	2.0890	1.0666	9.2942	.09659	.59355	7.5219	.38999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1170	.18958	.19538	.37681	.41335	.10289	.45999	.09772
Stddev	.0039	.00028	.00001	.00000	.03451	.00034	.00130	.00091
%RSD	.34610	.14960	.00631	.00048	8.3488	.33446	.28167	.93136
#1	1.1198	.18978	.19537	.37681	.43775	.10313	.45907	.09708
#2	1.1143	.18938	.19539	.37681	.38895	.10264	.46090	.09836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4885.3	82959.	6898.5
Stddev	14.9	63.	8.3
%RSD	.30535	.07629	.12083
#1	4874.7	83003.	6904.4
#2	4895.8	82914.	6892.6

Sample Name: 280-62014-B-1-C PDS Acquired: 11/17/2014 1:49:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252060 6010C Q5 tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04272**	**.95758**	**.19551**	**.24167**	**.21233**	**.04921**	**-.00348**	**461.25**	**.04879**
Stddev	.00011	.00054	.00062	.00004	.00048	.00005	.00141	.97	.00049
%RSD	.26591	.05592	.31543	.01798	.22669	.09821	40.615	.21102	1.0008
#1	.04264	.95796	.19507	.24170	.21199	.04924	-.00448	461.94	.04914
#2	.04280	.95720	.19594	.24164	.21267	.04917	-.00248	460.56	.04845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04630**	**.07272**	**.05048**	**1.0216**	**30.772**	**.12550**	**26.783**	**.04743**	**.07221**
Stddev	.00013	.00007	.00022	.0028	.025	.00132	.000	.00016	.00012
%RSD	.28245	.09042	.43137	.27351	.07985	1.0483	.00096	.33596	.16529
#1	.04640	.07276	.05033	1.0235	30.754	.12643	26.783	.04732	.07212
#2	.04621	.07267	.05063	1.0196	30.789	.12457	26.783	.04754	.07229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.619**	**.04831**	**2.0947**	**.09345**	**10.235**	**.10144**	**.19149**	**11.375**	**.09648**
Stddev	.598	.00043	.0002	.00237	.027	.00254	.00703	.002	.00149
%RSD	2.2480	.88440	.00975	2.5310	.26386	2.5003	3.6693	.02158	1.5424
#1	26.196	.04861	2.0948	.09178	10.254	.10323	.18652	11.376	.09543
#2	27.042	.04801	2.0945	.09512	10.216	.09964	.19646	11.373	.09753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0946**	**.18908**	**.04761**	**.18555**	**.51942**	**.05589**	**.18439**	**.04805**
Stddev	.0015	.00030	.00004	.00049	.01730	.00027	.00063	.00065
%RSD	.13467	.15731	.07905	.26171	3.3299	.47498	.33944	1.3548
#1	1.0936	.18929	.04758	.18589	.50719	.05608	.18395	.04759
#2	1.0957	.18887	.04763	.18521	.53165	.05571	.18483	.04851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4862.5**	**82757.**	**6843.4**
Stddev	11.7	139.	11.2
%RSD	.23994	.16840	.16381
#1	4870.8	82856.	6851.3
#2	4854.3	82659.	6835.5

Sample Name: ccvh-2982968 Acquired: 11/17/2014 1:51:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00639**	**52.357**	**.00250**	**.00500**	**.00015**	**.00003**	**1.0018**	**-.03707**	**-.00030**	**.00139**	**-.00027**	**-.00322**	**53.531**
Stddev	.00120	.002	.00361	.00000	.00002	.00013	.0038	.00970	.00003	.00007	.00006	.00029	.064
%RSD	18.727	.00439	144.24	.02936	12.103	420.78	.37814	26.166	10.199	5.0811	22.630	9.0189	.11976
#1	.00554	52.359	-.00005	.00500	.00016	.00013	1.0045	-.03021	-.00032	.00134	-.00023	-.00342	53.576
#2	.00724	52.355	.00506	.00500	.00013	-.00006	.99916	-.04392	-.00027	.00144	-.00031	-.00301	53.485
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03824**	**-.00252**	**.13725**	**-.00314**	**-.00148**	**254.21**	**.00138**	**.00507**	**.00151**	**4.9406**	**.00790**	**.00747**	**-.01897**
Stddev	.02535	.00004	.00171	.00002	.00023	.39	.00039	.00111	.00092	.0060	.00053	.00254	.01875
%RSD	66.296	1.5865	1.2468	.58573	15.265	.15333	28.058	21.873	60.764	.12216	6.7049	33.961	98.836
#1	-.02032	-.00250	.13846	-.00313	-.00132	254.48	.00110	.00585	.00216	4.9363	.00753	.00568	-.00571
#2	-.05617	-.00255	.13604	-.00316	-.00164	253.93	.00165	.00429	.00086	4.9448	.00828	.00927	-.03222
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00264**	**.00060**	**4.7817**	**-.02335**	**.00195**	**9.6448**	**.00359**	**-.00074**	**-.03300**
Stddev	.00044	.00014	.0026	.00002	.00048	.0103	.00035	.00060	.00220
%RSD	16.595	22.734	.05432	.06636	24.566	.10723	9.6929	81.535	6.6534
#1	.00295	.00069	4.7799	-.02334	.00161	9.6522	.00334	-.00116	-.03455
#2	.00233	.00050	4.7835	-.02336	.00229	9.6375	.00383	-.00031	-.03145
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5073.9**	**84073.**	**6856.9**
Stddev	5.1	42.	14.7
%RSD	.10121	.04987	.21386
#1	5077.5	84043.	6846.6
#2	5070.2	84102.	6867.3

Sample Name: ccv-2984587 Acquired: 11/17/2014 1:54:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48336**	**.50433**	**.95314**	**.48617**	**.50469**	**.49230**	**.00962**	**4.9893**	**.47944**	**.48142**	**.49263**	**.48438**	**2.5752**	**47.614**
Stddev	.00203	.00124	.00455	.00058	.00329	.00372	.00023	.0296	.00029	.00029	.00043	.00187	.0116	.187
%RSD	.41926	.24513	.47752	.11997	.65221	.75529	2.3941	.59319	.06082	.06003	.08678	.38621	.44839	.39301
#1	.48193	.50346	.94992	.48576	.50236	.48967	.00945	4.9684	.47924	.48122	.49294	.48306	2.5671	47.481
#2	.48479	.50521	.95636	.48659	.50702	.49493	.00978	5.0102	.47965	.48163	.49233	.48570	2.5834	47.746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0470**	**18.631**	**.47995**	**.49437**	**5.2667**	**.48533**	**.97963**	**.97955**	**.01653**	**.96689**	**.97696**	**4.9576**	**.97712**	**.51014**
Stddev	.0066	.017	.00062	.00036	.0246	.00014	.00443	.00198	.00177	.00225	.00046	.0156	.00405	.00268
%RSD	.62599	.09390	.12943	.07349	.46779	.02936	.45237	.20231	10.688	.23311	.04709	.31482	.41468	.52597
#1	1.0423	18.619	.48039	.49463	5.2492	.48523	.98276	.97815	.01778	.96848	.97664	4.9466	.97426	.50824
#2	1.0516	18.644	.47951	.49411	5.2841	.48543	.97650	.98095	.01528	.96530	.97729	4.9687	.97999	.51203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01042**	**.48679**	**.98367**	**.00443**	**.47381**	**.46955**	**.49290**
Stddev	.00072	.00105	.00047	.05619	.00113	.00061	.00202
%RSD	6.8688	.21651	.04825	1269.4	.23800	.13010	.40897
#1	.00991	.48754	.98334	.04416	.47301	.46912	.49148
#2	.01092	.48604	.98401	-.03530	.47461	.46998	.49433
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5169.0**	**85911.**	**6899.7**
Stddev	.1	30.	17.7
%RSD	.00123	.03529	.25715
#1	5169.1	85933.	6912.2
#2	5169.0	85890.	6887.1

Sample Name: CCB Acquired: 11/17/2014 1:57:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00108**	**.00188**	F **.00345**	**-.00048**	**.00001**	**-.00277**	**.02425**	**.00012**	**-.00028**	W **-.00070**
Stddev	.00031	.00073	.00285	.00042	.00020	.00002	.00120	.01201	.00006	.00007	.00018
%RSD	40.878	67.946	151.46	12.074	40.545	173.78	43.345	49.513	49.023	24.968	25.254
#1	.00055	-.00160	-.00013	.00374	-.00062	.00002	-.00192	.01576	.00008	-.00023	-.00082
#2	.00099	-.00056	.00390	.00315	-.00034	-.00000	-.00361	.03274	.00016	-.00033	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00312							.00066
Low Limit				-.00312							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00230**	**-.04164**	**-.00201**	**.00372**	**.00004**	**.00035**	W **.16301**	**.00003**	**-.00183**	**-.00104**
Stddev	.00019	.00071	.02212	.00157	.00127	.00001	.00030	.00250	.00033	.00142	.00073
%RSD	224.64	30.751	53.121	78.162	34.085	19.044	86.829	1.5344	1140.0	77.456	69.898
#1	-.00021	.00180	-.05727	-.00312	.00462	.00003	.00056	.16477	.00026	-.00283	-.00155
#2	.00005	.00279	-.02600	-.00090	.00282	.00004	.00013	.16124	-.00020	-.00083	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02254**	**.00059**	**-.00084**	**.00221**	**.00071**	**.00014**	**.00052**	**-.00017**	**-.00044**	**-.01244**	**-.00012**
Stddev	.00160	.00030	.00217	.00217	.00032	.00001	.00040	.00030	.00009	.04192	.00001
%RSD	7.0820	51.635	259.58	97.889	45.657	9.9450	76.989	176.12	21.355	336.92	8.4634
#1	.02141	.00037	.00070	.00375	.00048	.00015	.00080	.00004	-.00051	-.04208	-.00011
#2	.02367	.00080	-.00237	.00068	.00094	.00013	.00024	-.00038	-.00037	.01720	-.00012
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00099**	**-.00040**
Stddev	.00037	.00020
%RSD	36.998	50.786
#1	-.00073	-.00055
#2	-.00124	-.00026
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5231.4**	**87562.**	**6832.3**
Stddev	7.4	53.	2.9
%RSD	.14105	.06069	.04202
#1	5236.6	87599.	6830.3
#2	5226.2	87524.	6834.4

Sample Name: CCVL2994263 Acquired: 11/17/2014 1:59:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01117**	**.10896**	**.01553**	**.10490**	**.01069**	**.00105**	**.11488**	**.22998**	**.00539**	**.01049**	**.01044**	**.01551**
Stddev	.00018	.00083	.00106	.00050	.00019	.00001	.00019	.00476	.00003	.00013	.00015	.00012
%RSD	1.6063	.76020	6.8193	.47836	1.8153	1.2558	.16237	2.0695	.51720	1.2645	1.4729	.74927
#1	.01104	.10838	.01627	.10454	.01083	.00104	.11501	.22661	.00541	.01059	.01033	.01543
#2	.01129	.10955	.01478	.10525	.01055	.00105	.11475	.23335	.00537	.01040	.01055	.01560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11100**	**3.0848**	W **.00800**	**.21442**	**.01055**	**.02097**	W **1.2782**	**.04260**	**3.0303**	**.00889**	**.01834**	**.00897**
Stddev	.00076	.0146	.00147	.00299	.00000	.00020	.0063	.00023	.0009	.00031	.00494	.00029
%RSD	.68393	.47319	18.332	1.3943	.04478	.97437	.49091	.53613	.02862	3.5173	26.929	3.2468
#1	.11046	3.0951	.00696	.21654	.01054	.02083	1.2738	.04276	3.0297	.00867	.01485	.00917
#2	.11154	3.0745	.00903	.21231	.01055	.02112	1.2826	.04244	3.0309	.00911	.02183	.00876
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			-20.000%				20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01420**	**.52008**	**.10514**	**.01113**	**.01404**	**.01003**	**.01629**	**.05730**	**.00985**	**.01984**	**.01660**
Stddev	.00601	.01265	.00109	.00001	.00085	.00013	.00077	.00181	.00016	.00041	.00089
%RSD	42.330	2.4316	1.0380	.12337	6.0508	1.3320	4.7107	3.1608	1.6204	2.0539	5.3901
#1	.01845	.51114	.10437	.01112	.01344	.01012	.01575	.05858	.00996	.01956	.01597
#2	.00995	.52903	.10591	.01114	.01464	.00993	.01683	.05602	.00973	.02013	.01723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5261.1**	**87909.**	**6890.3**
Stddev	4.6	90.	37.5
%RSD	.08772	.10189	.54352
#1	5257.9	87973.	6916.8
#2	5264.4	87846.	6863.8

Sample Name: 280-61639-C-21-A @5 Acquired: 11/17/2014 2:02:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/13 Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03431**	**34.829**	**.00410**	**.07122**	**.24702**	**.00711**	**.01654**	**227.92**	**.00118**
Stddev	.00040	.023	.00680	.00040	.00077	.00003	.00026	1.11	.00003
%RSD	1.1549	.06586	165.98	.56644	.31098	.42771	1.5566	.48909	2.3608
#1	.03459	34.845	.00890	.07094	.24648	.00714	.01673	227.13	.00120
#2	.03403	34.813	-.00071	.07151	.24756	.00709	.01636	228.71	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.02125**	**.01512**	**3.2591**	**4.8399**	**.02975**	**37.802**	**1.4283**	**.00023**
Stddev	.00004	.00015	.00016	.0060	.0310	.00042	.044	.0025	.00036
%RSD	41.509	.71298	1.0378	.18475	.64053	1.4004	.11730	.17684	156.28
#1	.00007	.02136	.01501	3.2549	4.8180	.02945	37.834	1.4265	-.00002
#2	.00012	.02114	.01523	3.2634	4.8618	.03004	37.771	1.4301	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9278**	**.00262**	**.48371**	**.00915**	**2.5174**	**.00155**	**-.00215**	**.37244**	**.00209**
Stddev	.0046	.00011	.00449	.00058	.0064	.00027	.00140	.00130	.00064
%RSD	.24123	4.2198	.92816	6.3343	.25550	17.136	65.035	.34778	30.565
#1	1.9245	.00254	.48688	.00874	2.5219	.00174	-.00116	.37152	.00164
#2	1.9311	.00270	.48053	.00956	2.5128	.00137	-.00313	.37335	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46613**	**.01844**	**.85528**	**.00284**	**.00251**	**.03720**	**.04849**	**.07868**
Stddev	.00049	.00047	.00238	.00061	.02482	.00007	.00039	.00221
%RSD	.10424	2.5671	.27807	21.543	987.21	.19834	.79472	2.8112
#1	.46578	.01877	.85360	.00328	.02006	.03715	.04876	.07712
#2	.46647	.01810	.85696	.00241	-.01504	.03726	.04821	.08025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5391.0**	**88913.**	**7421.3**
Stddev	19.4	78.	9.2
%RSD	.35999	.08754	.12363
#1	5404.7	88968.	7414.8
#2	5377.3	88858.	7427.8

Sample Name: 280-61639-A-22-A @5 Acquired: 11/17/2014 2:05:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01278**	**57.097**	**.00376**	**.12395**	**.38390**	**.01064**	**.02135**	**311.75**	**.00063**
Stddev	.00007	.002	.00125	.00003	.00087	.00011	.00091	1.10	.00000
%RSD	.57560	.00324	33.111	.02334	.22629	1.0319	4.2431	.35421	.76394
#1	.01273	57.096	.00288	.12393	.38451	.01056	.02200	310.97	.00063
#2	.01284	57.098	.00464	.12397	.38329	.01072	.02071	312.53	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.01622**	**.00735**	**4.2221**	**8.3491**	**.05131**	**63.118**	**2.0035**	**-.00000**
Stddev	.00006	.00022	.00025	.0011	.0714	.00108	.071	.0030	.00036
%RSD	38.707	1.3512	3.3436	.02577	.85478	2.1055	.11202	.15181	61124.
#1	-.00012	.01607	.00753	4.2229	8.2986	.05054	63.068	2.0013	-.00025
#2	-.00021	.01638	.00718	4.2214	8.3996	.05207	63.168	2.0056	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6319**	**.00217**	**.31589**	**.00416**	**5.8464**	**.00197**	**-.00064**	**.36666**	**-.00009**
Stddev	.0078	.00027	.00130	.00094	.0009	.00150	.00104	.00077	.00069
%RSD	.29651	12.419	.41236	22.733	.01468	76.080	164.16	.20996	774.29
#1	2.6264	.00236	.31497	.00482	5.8458	.00091	.00010	.36720	.00040
#2	2.6374	.00198	.31682	.00349	5.8470	.00303	-.00137	.36611	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52802**	**.02892**	**1.1139**	**.00310**	**-.00861**	**.05291**	**.01919**	**.11769**
Stddev	.00051	.00066	.0027	.00006	.05257	.00062	.00030	.00179
%RSD	.09636	2.2881	.24206	1.8669	610.68	1.1682	1.5642	1.5206
#1	.52838	.02845	1.1120	.00306	.02856	.05247	.01898	.11643
#2	.52766	.02938	1.1158	.00314	-.04578	.05334	.01940	.11896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5511.2**	**90782.**	**7648.8**
Stddev	4.5	41.	3.0
%RSD	.08097	.04483	.03869
#1	5514.3	90811.	7646.8
#2	5508.0	90753.	7650.9

Sample Name: 280-61639-A-25-A Acquired: 11/17/2014 2:07:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.36565**	**12.213**	**.01643**	**.02653**	**.11437**	**.00096**	**.00277**	W **806.52**	**.00480**
Stddev	.00022	.017	.00245	.00018	.00048	.00000	.00330	3.85	.00004
%RSD	.06052	.14304	14.925	.68715	.42339	.44108	118.99	.47673	.79722
#1	.36549	12.201	.01469	.02666	.11471	.00096	.00510	809.24	.00477
#2	.36581	12.225	.01816	.02640	.11403	.00096	.00044	803.80	.00482
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00272**	**.07650**	**.09945**	**17.920**	**.75991**	**.00823**	**6.3197**	**.24496**	**.00423**
Stddev	.00012	.00052	.00038	.110	.01989	.00058	.0050	.00050	.00032
%RSD	4.3118	.68418	.37992	.61531	2.6177	7.0801	.07840	.20527	7.5068
#1	.00264	.07613	.09972	17.998	.74584	.00782	6.3162	.24460	.00400
#2	.00280	.07687	.09919	17.842	.77397	.00864	6.3232	.24531	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.6066**	**.01101**	**4.4518**	**.07987**	**2.5987**	**.00659**	W **-.00719**	**2.9710**	**.03161**
Stddev	.0414	.00065	.0080	.00083	.0179	.00046	.00667	.0448	.00064
%RSD	.54438	5.8798	.17935	1.0382	.69013	6.9850	92.734	1.5066	2.0220
#1	7.6359	.01147	4.4574	.07928	2.5860	.00691	-.00248	3.0027	.03116
#2	7.5773	.01055	4.4462	.08046	2.6113	.00626	-.01191	2.9394	.03206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8506**	**.00288**	**.19962**	**.00231**	**.07503**	**.03641**	**.35070**	**.00948**
Stddev	.0391	.00065	.00017	.00096	.05918	.00026	.00122	.00066
%RSD	.80621	22.715	.08568	41.658	78.875	.71911	.34884	6.9256
#1	4.8782	.00242	.19974	.00299	.03318	.03659	.34983	.00902
#2	4.8229	.00334	.19950	.00163	.11687	.03622	.35156	.00995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4903.5**	**82191.**	**6901.9**
Stddev	6.5	149.	22.8
%RSD	.13356	.18143	.33084
#1	4908.1	82296.	6885.8
#2	4898.8	82085.	6918.1

Sample Name: 280-61639-A-25-ASD@5 Acquired: 11/17/2014 2:10:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07616**	**2.2925**	**.00612**	**.00728**	**.02342**	**.00017**	**-.00053**	**174.87**	**.00104**
Stddev	.00016	.0009	.00390	.00072	.00032	.00005	.00272	.34	.00000
%RSD	.20467	.03770	63.636	9.9286	1.3783	30.230	517.41	.19333	.44983
#1	.07627	2.2919	.00888	.00779	.02319	.00014	-.00245	175.11	.00104
#2	.07604	2.2931	.00337	.00677	.02365	.00021	.00140	174.63	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.01557**	**.02071**	**3.8308**	**.10003**	**-.00169**	**1.4037**	**.05285**	**.00103**
Stddev	.00007	.00014	.00000	.0086	.05893	.00256	.0078	.00005	.00035
%RSD	11.133	.88328	.01416	.22451	58.915	151.49	.55798	.09708	33.752
#1	.00057	.01548	.02071	3.8369	.14170	-.00350	1.3981	.05288	.00128
#2	.00067	.01567	.02071	3.8247	.05836	.00012	1.4092	.05281	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6581**	**.00238**	**.90694**	**.01623**	**.52511**	**.00281**	**-.00368**	**.61020**	**.00613**
Stddev	.0017	.00051	.00303	.00144	.00076	.00340	.00180	.00041	.00033
%RSD	.10491	21.461	.33374	8.8817	.14449	121.11	48.895	.06764	5.3930
#1	1.6593	.00202	.90908	.01521	.52565	.00040	-.00241	.61049	.00637
#2	1.6569	.00274	.90480	.01725	.52457	.00521	-.00495	.60991	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0191**	**.00051**	**.04159**	**.00168**	**.00812**	**.00749**	**.07545**	**.00142**
Stddev	.0016	.00188	.00011	.00020	.01814	.00053	.00086	.00001
%RSD	.15484	365.07	.27360	11.706	223.28	7.0150	1.1377	.60482
#1	1.0202	-.00081	.04167	.00154	.02095	.00786	.07484	.00141
#2	1.0180	.00184	.04151	.00181	-.00470	.00712	.07605	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5090.7**	**84992.**	**6889.6**
Stddev	13.2	23.	21.4
%RSD	.25907	.02695	.31005
#1	5100.0	84976.	6874.5
#2	5081.3	85008.	6904.7

Sample Name: 280-61639-A-25-B MS Acquired: 11/17/2014 2:13:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.40988**	**20.522**	**.93407**	**.92329**	**2.0451**	**.04819**	**1.9431**	W **527.31**	**.09339**
Stddev	.00101	.004	.00053	.00071	.0022	.00005	.0026	4.20	.00049
%RSD	.24575	.02193	.05678	.07693	.10496	.10190	.13439	.79625	.52538
#1	.40917	20.526	.93445	.92379	2.0466	.04823	1.9450	530.28	.09374
#2	.41059	20.519	.93370	.92279	2.0436	.04816	1.9413	524.34	.09304
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44210**	**.26697**	**.41186**	**18.947**	**48.682**	**1.0454**	**49.444**	**.68532**	**.99033**
Stddev	.00079	.00003	.00044	.029	.127	.0010	.037	.00038	.00026
%RSD	.17807	.01228	.10585	.15530	.26031	.10014	.07584	.05603	.02621
#1	.44266	.26695	.41155	18.968	48.771	1.0447	49.418	.68505	.99014
#2	.44155	.26700	.41216	18.926	48.592	1.0461	49.471	.68559	.99051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.071**	**.45136**	**13.803**	**.53010**	**4.0570**	**.45252**	**1.8676**	**3.1017**	**1.8192**
Stddev	.340	.00055	.014	.00404	.0003	.00081	.0103	.0374	.0022
%RSD	.62861	.12188	.10097	.76272	.00704	.17874	.55063	1.2050	.11969
#1	53.831	.45097	13.793	.52724	4.0572	.45195	1.8603	3.1282	1.8207
#2	54.312	.45175	13.813	.53296	4.0568	.45309	1.8748	3.0753	1.8177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6337**	**.86877**	**1.1743**	**1.7140**	**1.9102**	**.50541**	**.79144**	**.42355**
Stddev	.0041	.00159	.0009	.0050	.0057	.00012	.00226	.00149
%RSD	.11248	.18309	.08037	.28991	.30019	.02415	.28526	.35162
#1	3.6366	.86764	1.1736	1.7175	1.9061	.50549	.78985	.42250
#2	3.6308	.86989	1.1750	1.7104	1.9142	.50532	.79304	.42460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4969.0**	**83064.**	**7048.8**
Stddev	10.0	55.	32.2
%RSD	.20172	.06611	.45664
#1	4976.1	83025.	7026.1
#2	4961.9	83102.	7071.6

Sample Name: 280-61639-A-25-C MSD Acquired: 11/17/2014 2:16:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.46480**	**74.712**	**.85603**	**.95276**	**2.2877**	**.05560**	**1.7790**	W **794.58**	**.08732**
Stddev	.00193	1.000	.00201	.00173	.0302	.00081	.0047	12.90	.00018
%RSD	.41546	1.3389	.23440	.18137	1.3221	1.4640	.26518	1.6228	.20356
#1	.46344	75.419	.85745	.95154	2.3091	.05618	1.7757	803.70	.08744
#2	.46617	74.005	.85461	.95399	2.2663	.05503	1.7823	785.46	.08719
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39603**	**.24847**	**.31012**	**17.411**	**53.516**	**1.0210**	**98.136**	**3.1286**	**.88170**
Stddev	.00110	.00110	.00131	.241	.688	.0145	.093	.0001	.00084
%RSD	.27863	.44420	.42202	1.3851	1.2862	1.4182	.09495	.00270	.09502
#1	.39525	.24769	.30919	17.582	54.002	1.0312	98.202	3.1285	.88111
#2	.39681	.24925	.31104	17.241	53.029	1.0107	98.070	3.1286	.88229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.131**	**.40413**	**12.949**	**.47355**	**6.2806**	**.36535**	**1.7080**	**3.0751**	**1.6186**
Stddev	1.155	.00034	.029	.00002	.0330	.00091	.0035	.0465	.0027
%RSD	2.1345	.08313	.22771	.00421	.52558	.24983	.20717	1.5119	.16811
#1	54.948	.40390	12.928	.47356	6.2572	.36471	1.7105	3.1080	1.6205
#2	53.314	.40437	12.970	.47353	6.3039	.36600	1.7055	3.0422	1.6166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0804**	**.83685**	**1.5188**	**1.5012**	**1.7827**	**.49199**	**.77077**	**.50697**
Stddev	.0372	.00210	.0001	.0004	.0042	.00003	.00304	.01072
%RSD	.91072	.25042	.00619	.02481	.23397	.00568	.39380	2.1145
#1	4.1067	.83833	1.5189	1.5009	1.7797	.49201	.77291	.51455
#2	4.0542	.83537	1.5188	1.5014	1.7856	.49197	.76862	.49939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5368.8**	**88402.**	**7716.3**
Stddev	2.9	209.	59.9
%RSD	.05405	.23625	.77580
#1	5366.7	88255.	7674.0
#2	5370.8	88550.	7758.6

Sample Name: 280-61639-A-25-A PDS Acquired: 11/17/2014 2:19:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.37067**	**13.105**	**.22030**	**.12189**	**.21872**	**.05269**	**.00171**	W **807.48**	**.05550**
Stddev	.00075	.176	.00060	.00043	.00283	.00062	.00024	10.15	.00005
%RSD	.20253	1.3435	.27189	.35535	1.2932	1.1771	14.053	1.2571	.09702
#1	.37120	13.229	.21988	.12219	.22072	.05313	.00154	814.66	.05554
#2	.37014	12.980	.22072	.12158	.21672	.05226	.00187	800.30	.05546
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05060**	**.12572**	**.14935**	**18.663**	**21.978**	**.12584**	**24.552**	**.29000**	**.05186**
Stddev	.00037	.00002	.00035	.272	.182	.00261	.014	.00018	.00008
%RSD	.73888	.01950	.23738	1.4564	.82612	2.0778	.05763	.06203	.15986
#1	.05087	.12570	.14910	18.855	22.107	.12769	24.542	.29013	.05192
#2	.05034	.12574	.14960	18.470	21.850	.12399	24.562	.28987	.05180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.138**	**.05863**	**6.6088**	**.17568**	**2.5792**	**.09998**	**.20358**	**7.9202**	**.12297**
Stddev	.384	.00048	.0054	.00057	.0029	.00136	.00195	.1308	.00096
%RSD	1.2727	.81057	.08189	.32258	.11041	1.3555	.95798	1.6520	.77666
#1	30.409	.05896	6.6050	.17528	2.5772	.09902	.20496	8.0128	.12230
#2	29.867	.05829	6.6126	.17608	2.5812	.10094	.20220	7.8277	.12365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7975**	**.20302**	**.24351**	**.18745**	**.55192**	**.08769**	**.53575**	**.05645**
Stddev	.0574	.00655	.00066	.00128	.00094	.00035	.00182	.00306
%RSD	1.1964	3.2247	.27235	.68537	.17023	.39418	.33969	5.4274
#1	4.8380	.19839	.24305	.18654	.55126	.08744	.53446	.05861
#2	4.7569	.20765	.24398	.18835	.55259	.08793	.53703	.05428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4891.0**	**82107.**	**6954.6**
Stddev	12.8	91.	81.6
%RSD	.26071	.11096	1.1730
#1	4900.0	82042.	6896.9
#2	4882.0	82171.	7012.3

Sample Name: 280-61639-A-26-A Acquired: 11/17/2014 2:22:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.9005**	**5.7447**	**.01208**	**.01305**	**.19156**	**.00040**	**.01894**	**212.52**	**.02855**
Stddev	.0036	.0039	.00152	.00014	.00052	.00004	.00011	.08	.00002
%RSD	.12529	.06752	12.588	1.0979	.27010	9.0877	.55701	.03958	.08673
#1	2.8979	5.7419	.01100	.01315	.19193	.00042	.01886	212.47	.02853
#2	2.9030	5.7474	.01315	.01295	.19119	.00037	.01901	212.58	.02856
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000								
Low Limit	-.02000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00429**	**.13771**	**.34013**	**17.492**	**.20502**	**.00132**	**3.1621**	**.15069**	**.00435**
Stddev	.00017	.00080	.00105	.001	.01705	.00138	.0023	.00036	.00025
%RSD	3.8686	.58161	.30965	.00652	8.3138	104.99	.07154	.23755	5.7940
#1	.00440	.13714	.33938	17.491	.21707	.00034	3.1605	.15044	.00453
#2	.00417	.13828	.34087	17.492	.19297	.00230	3.1637	.15094	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1122**	**.01814**	**9.2574**	**.19733**	**1.6480**	**.00496**	**-.00458**	**1.6216**	**.12263**
Stddev	.0059	.00022	.0024	.00001	.0052	.00214	.00005	.0061	.00026
%RSD	.28083	1.2036	.02535	.00626	.31474	43.160	1.1764	.37667	.21346
#1	2.1164	.01829	9.2557	.19732	1.6516	.00344	-.00454	1.6259	.12281
#2	2.1080	.01798	9.2591	.19734	1.6443	.00647	-.00461	1.6173	.12244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5494**	**.00484**	**.15230**	**.00055**	**-.01122**	**.02920**	**1.7744**	**.00240**
Stddev	.0010	.00061	.00099	.00036	.00743	.00072	.0021	.00135
%RSD	.06443	12.587	.64825	66.598	66.208	2.4643	.11573	56.296
#1	1.5501	.00527	.15300	.00080	-.00597	.02970	1.7729	.00335
#2	1.5487	.00441	.15160	.00029	-.01647	.02869	1.7758	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5149.0**	**85891.**	**7084.7**
Stddev	9.2	92.	20.3
%RSD	.17774	.10706	.28695
#1	5155.5	85956.	7099.1
#2	5142.5	85826.	7070.3

Sample Name: 280-61639-A-27-A Acquired: 11/17/2014 2:24:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .**18559**	**1.5967**	**.00403**	**.00634**	**.02622**	**.00007**	**.00100**	**70.290**	**.00253**
Stddev	.00064	.0001	.00066	.00005	.00021	.00005	.00467	.094	.00018
%RSD	.34317	.00635	16.319	.77968	.80230	64.318	464.29	.13440	7.0958
#1	.18514	1.5968	.00449	.00638	.02636	.00010	-.00229	70.357	.00240
#2	.18604	1.5967	.00356	.00631	.02607	.00004	.00430	70.223	.00265
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.02000**	**.04570**	**3.1688**	**.03223**	**-.00098**	**.63445**	**.03315**	**.00126**
Stddev	.00019	.00004	.00073	.0075	.01528	.00076	.00170	.00004	.00003
%RSD	33.727	.22334	1.6002	.23746	47.410	77.629	.26793	.11452	1.9983
#1	.00043	.01997	.04518	3.1635	.02142	-.00152	.63325	.03313	.00124
#2	.00070	.02003	.04622	3.1742	.04303	-.00044	.63565	.03318	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80210**	**.00376**	**.93978**	**.02362**	**.29207**	**.00056**	**.00462**	**.91527**	**.01678**
Stddev	.00188	.00007	.00520	.00009	.01012	.00198	.00480	.00075	.00007
%RSD	.23376	1.8189	.55342	.39919	3.4638	352.89	103.99	.08233	.40182
#1	.80343	.00381	.94346	.02369	.28492	-.00084	.00802	.91474	.01683
#2	.80078	.00372	.93610	.02356	.29923	.00196	.00122	.91580	.01674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40388**	**.00383**	**.08093**	**.00068**	**.00214**	**.00599**	**.19664**	**.00176**
Stddev	.00083	.00318	.00041	.00053	.03919	.00005	.00055	.00081
%RSD	.20512	83.012	.51269	77.196	1835.2	.78843	.27982	46.033
#1	.40446	.00608	.08063	.00031	-.02558	.00596	.19703	.00118
#2	.40329	.00158	.08122	.00106	.02985	.00603	.19626	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5218.9**	**87076.**	**7055.5**
Stddev	4.5	144.	26.9
%RSD	.08715	.16498	.38138
#1	5215.7	86975.	7074.6
#2	5222.1	87178.	7036.5

Sample Name: ccvh-2982968 Acquired: 11/17/2014 2:27:31 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00152**	kF **-.19686**	k **.00370**	**.00038**	k **-.00098**	k **-.00003**	kF **.08900**	k **.00391**	k **-.00013**	k **-.00007**	k **.00005**
Stddev	.00077	.03432	.00061	.00020	.00000	.00006	.03863	.00920	.00005	.00010	.00001
%RSD	50.669	17.432	16.432	51.624	.18525	210.10	43.401	235.34	37.738	142.35	26.665
#1	k .00206	k -.22113	k .00413	.00052	k -.00098	k .00001	k .11632	k -.00259	k -.00009	k .00000	k .00006
#2	.00097	-.17260	.00327	.00024	-.00098	-.00007	.06169	.01041	-.00016	-.00014	.00004
Check ?	None	Chk Fail	None	None	None	None	Chk Fail	None	None	None	None
Value		50.000					1.0000				
Range		-10.000%					-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00299**	kF **.02782**	**-.16772**	**-.00831**	k **.00496**	k **-.00032**	**-.00011**	**.12471**	**.00104**	**-.00072**	k **-.00125**
Stddev	.00108	.04324	.01426	.00029	.02837	.00039	.00015	.18964	.00014	.00036	.00105
%RSD	35.956	155.40	8.5003	3.5145	571.66	120.29	134.06	152.07	13.483	50.074	83.970
#1	k -.00223	k -.00275	-.15764	-.00811	k -.01510	k -.00005	-.00001	-.00939	.00113	-.00046	k -.00051
#2	-.00375	.05840	-.17780	-.00852	.02502	-.00060	-.00021	.25880	.00094	-.00097	-.00199
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.39331**	k **.00161**	k **-.00023**	k **-.02099**	k **-.00016**	**.00007**	kF **.74980**	k **-.00091**	k **.00357**	kF **1.4680**	k **.00010**
Stddev	.20774	.00057	.00189	.00572	.00003	.00005	.27455	.00436	.00068	.5664	.00033
%RSD	52.820	35.248	803.58	27.234	18.534	65.165	36.617	478.82	19.027	38.585	344.14
#1	.54021	k .00121	k -.00157	k -.02503	k -.00018	.00004	k .55566	k .00217	k .00309	k 1.0675	k -.00014
#2	.24641	.00201	.00110	-.01695	-.00014	.00011	.94394	-.00400	.00406	1.8685	.00033
Check ?	Chk Fail	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value	5.0000						5.0000			10.000	
Range	-10.000%						-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **-.00044**	k **-.01541**
Stddev	.00017	.02489
%RSD	39.450	161.50
#1	k -.00056	k .00219
#2	-.00032	-.03301
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9394.3**	**152750.**	**14648.**
Stddev	493.4	8056.	1075.
%RSD	5.2520	5.2739	7.3378
#1	9045.4	158450.	13888.
#2	9743.1	147050.	15408.

Sample Name: ccv-2984587 Acquired: 11/17/2014 2:30:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00656**	F **.02746**	F **.07237**	F **.03481**	F **.00188**	F **.00283**	**.00527**	F **.03926**	F **.03563**	F **.03691**	F **.03857**	F **.00229**
Stddev	.00796	.05922	.09724	.04823	.00417	.00403	.00129	.05271	.05006	.05253	.05392	.00736
%RSD	121.21	215.63	134.37	138.54	221.56	142.55	24.561	134.28	140.48	142.34	139.77	320.74
#1	.00094	.06934	.14112	.06891	-.00107	-.00002	.00435	.00198	.07103	.07405	.07670	-.00291
#2	.01219	-.01441	.00361	.00071	.00483	.00568	.00618	.07653	.00024	-.00024	.00045	.00750
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01357**	F **.10098**	F **-.00158**	F **.26154**	F **.00662**	F **.03779**	F **.02872**	F **.03837**	F **.07152**	F **.07466**	**.00773**	F **.06901**
Stddev	.02386	.39707	.01041	.30060	.00769	.05273	.06101	.05242	.10367	.10751	.00034	.09690
%RSD	175.79	393.21	656.54	114.93	116.19	139.52	212.41	136.62	144.96	144.01	4.4541	140.43
#1	-.00330	-.17979	-.00894	.04899	.00118	.07507	-.01442	.07544	.14482	.15068	.00748	.13753
#2	.03044	.38175	.00577	.47410	.01206	.00051	.07187	.00130	-.00179	-.00137	.00797	.00049
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000		1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.06589**	F **.01251**	F **.07606**	F **.00305**	**.00410**	F **.00683**	F **.07805**	**-.01286**	F **.00607**	F **.00627**	F **.00437**
Stddev	.09339	.04700	.10606	.00433	.00075	.00767	.10328	.00641	.00734	.00826	.00454
%RSD	141.74	375.81	139.44	142.10	18.382	112.20	132.32	49.836	120.87	131.81	103.99
#1	.13193	-.02073	.15106	-.00001	.00356	.00141	.15108	-.00833	.00088	.00043	.00116
#2	-.00015	.04574	.00107	.00611	.00463	.01225	.00502	-.01739	.01126	.01211	.00758
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**10010.**	**165520.**	**13998.**
Stddev	1282.	3822.	1396.
%RSD	12.802	2.3091	9.9688
#1	9104.1	168220.	14985.
#2	10916.	162820.	13011.

Sample Name: CCB Acquired: 11/17/2014 2:32:47 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **.10066**	s **-.00958**	s **.00374**	s **.00077**	kW **-.00098**	k **-.00004**	s **.00374**	k **-.00006**	s **-.00001**	s **-.00005**
Stddev	.14160	.00447	.00170	.00073	.00001	.00006	.00145	.00021	.00007	.00009
%RSD	140.68	46.650	45.388	95.363	1.0406	141.29	38.768	382.13	1141.5	167.10
#1	k .00053	s -.00642	s .00495	s .00129	k -.00097	k -.00000	s .00272	k -.00021	s -.00005	s .00001
#2	s .20079	k -.01273	k .00254	.00025	k -.00099	k -.00008	k .00477	k .00010	k .00004	k -.00011
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00180				.00058					
Low Limit	-.00180				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00037**	sF **-.03873**	k **-.00242**	**-.17177**	kF **-.00587**	s **-.00012**	s **-.00001**	s **.00010**	**.00385**	s **.00057**
Stddev	.00010	.04977	.00010	.00152	.00107	.00573	.00005	.00016	.00515	.00000
%RSD	26.381	128.52	4.1313	.88242	18.165	4772.5	474.75	155.99	133.71	.67059
#1	s -.00044	k -.00353	k -.00235	-.17070	-.00511	k .00393	k -.00005	s .00021	.00021	s .00056
#2	k -.00030	s -.07392	k -.00249	-.17284	k -.00662	s -.00417	s .00002	-.00001	.00749	k .00057
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00272			.00522					
Low Limit		-.00272			-.00522					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00019**	s **-.00156**	s **.00775**	s **.00101**	s **.00044**	k **-.01996**	s **-.00017**	**-.00001**	sF **.03207**	sF **.00674**
Stddev	.00071	.00039	.00104	.00026	.00031	.00440	.00037	.00001	.04205	.00903
%RSD	372.86	24.791	13.437	26.225	70.820	22.055	214.89	60.743	131.11	134.08
#1	s -.00031	s -.00129	s .00702	s .00119	s .00066	k -.01685	s .00009	-.00002	k .00234	k .00035
#2	.00069	k -.00183	k .00849	k .00082	k .00022	k -.02307	k -.00043	-.00001	s .06181	s .01312
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit									.01000	.00119
Low Limit									-.01000	-.00119

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	s **.00338**	sF **-.18550**	sF **-.00861**	s **-.00007**	k **.00025**
Stddev	.00151	.24053	.01172	.00029	.00066
%RSD	44.641	129.66	136.14	421.60	264.14
#1	s .00231	k -.01543	k -.00032	k -.00027	k -.00022
#2	k .00445	s -.35558	s -.01689	s .00014	k .00071
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		.05000	.00222		
Low Limit		-.05000	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	**11271.**
Stddev	-----	-----	270.
%RSD	-----	-----	2.3942
#1	^ -----	137710.	11080.
#2	9108.9	^ -----	11462.

Sample Name: CCVL2994263 Acquired: 11/17/2014 2:35:29 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00161**	F **-.00604**	F **.00569**	F **.00626**	F **-.00084**	F **.00001**	F **.01204**	F **.00901**	F **.00024**	F **.00033**	F **.00081**	F **-.00149**
Stddev	.00051	.00271	.00024	.00169	.00021	.00002	.00154	.00753	.00015	.00009	.00012	.00072
%RSD	31.341	44.911	4.1575	26.950	25.491	122.27	12.776	83.554	61.987	28.628	15.467	48.261
#1	.00126	-.00412	.00553	.00745	-.00099	.00000	.01313	.00369	.00034	.00040	.00089	-.00200
#2	.00197	-.00796	.00586	.00507	-.00068	.00002	.01095	.01433	.00013	.00026	.00072	-.00098
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00114**	F **-.13324**	F **-.00619**	F **.02733**	F **.00128**	F **.00140**	F **.01281**	F **.00360**	F **.19355**	F **-.00114**	**.00613**	F **.00116**
Stddev	.00206	.07741	.00099	.00769	.00040	.00051	.03906	.00092	.06456	.00009	.00045	.00117
%RSD	180.02	58.100	15.994	28.154	31.440	36.244	304.87	25.469	33.356	8.1342	7.3672	101.46
#1	-.00260	-.18798	-.00689	.02189	.00099	.00176	-.01481	.00425	.23920	-.00108	.00645	.00033
#2	.00031	-.07850	-.00549	.03277	.00156	.00104	.04043	.00295	.14790	-.00121	.00581	.00198
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900		.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%		-30.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00204**	F **-.01582**	F **.00678**	F **.00022**	F **.00520**	F **.00161**	F **.00474**	F **-.00729**	F **.00077**	F **.00218**	F **.00186**
Stddev	.00181	.02033	.00230	.00015	.00029	.00055	.00014	.00998	.00040	.00047	.00000
%RSD	88.607	128.52	33.964	69.134	5.5315	34.251	3.0468	136.97	52.478	21.583	.01930
#1	-.00076	-.03019	.00841	.00011	.00499	.00122	.00484	-.01435	.00049	.00184	.00186
#2	-.00331	-.00144	.00515	.00033	.00540	.00200	.00463	-.00023	.00106	.00251	.00186
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000	.02000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9637.2**	**152910.**	**12960.**
Stddev	176.3	3534.	1199.
%RSD	1.8299	2.3114	9.2490
#1	9761.9	155400.	13808.
#2	9512.5	150410.	12112.

Sample Name: MB 280-251531/1-A Acquired: 11/17/2014 2:38:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.02027**	**.00155**	F **.01366**	**.00082**	**-.00006**	**-.00329**	**.03241**	**.00020**
Stddev	.00049	.00011	.00086	.00062	.00011	.00002	.00096	.00200	.00004
%RSD	95.720	.53811	55.734	4.5360	13.303	31.723	29.217	6.1836	22.373
#1	.00086	.02019	.00094	.01409	.00089	-.00007	-.00261	.03383	.00023
#2	.00017	.02035	.00216	.01322	.00074	-.00004	-.00397	.03099	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000					
Low Limit				-.01000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00007**	**.00003**	**.02822**	**-.02385**	**-.00367**	**.01417**	**.00043**	**.00051**
Stddev	.00001	.00044	.00002	.00056	.01228	.00283	.00240	.00009	.00014
%RSD	4.8995	597.79	81.687	1.9716	51.471	77.115	16.926	20.038	27.623
#1	-.00023	-.00038	.00001	.02861	-.03253	-.00167	.01587	.00037	.00061
#2	-.00025	.00024	.00004	.02782	-.01517	-.00567	.01247	.00049	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17942**	**.00033**	F **.01395**	**-.00036**	**.01269**	**.00192**	**-.00006**	F **.12180**	**.00972**
Stddev	.00244	.00021	.00192	.00051	.00149	.00001	.00474	.00105	.00069
%RSD	1.3620	62.047	13.779	140.80	11.717	.77285	8539.2	.86461	7.1183
#1	.17770	.00019	.01531	-.00072	.01374	.00193	.00329	.12106	.00923
#2	.18115	.00048	.01259	-.00000	.01164	.00191	-.00340	.12255	.01021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.01000					.10000	
Low Limit			-.01000					-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00103**	**.00054**	**-.00061**	**.01177**	**-.00033**	**.00161**	**-.00171**
Stddev	.00006	.00098	.00012	.00120	.03162	.00014	.00064	.00087
%RSD	403.61	95.615	22.463	196.93	268.66	40.803	39.459	51.025
#1	-.00003	.00172	.00045	-.00145	.03413	-.00024	.00207	-.00109
#2	.00006	.00033	.00062	.00024	-.01059	-.00043	.00116	-.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5226.7**	**88081.**	**7006.0**
Stddev	10.7	291.	23.9
%RSD	.20405	.33066	.34117
#1	5219.2	88287.	6989.1
#2	5234.3	87875.	7022.9

Sample Name: LCS 280-251531/2-A Acquired: 11/17/2014 2:40:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05295**	**1.9760**	**.94709**	**1.0914**	**2.0643**	**.05051**	**2.0517**	**50.792**	**.09084**
Stddev	.00028	.0049	.00183	.0021	.0036	.00008	.0026	.084	.00006
%RSD	.52124	.24527	.19317	.18887	.17510	.16603	.12832	.16468	.06699
#1	.05275	1.9726	.94579	1.0900	2.0668	.05045	2.0536	50.851	.09080
#2	.05314	1.9794	.94838	1.0929	2.0617	.05057	2.0499	50.733	.09089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47942**	**.20182**	**.24505**	**1.0668**	**49.093**	**1.0774**	**46.743**	**.48300**	**1.0548**
Stddev	.00080	.00014	.00025	.0069	.093	.0023	.003	.00004	.0020
%RSD	.16710	.07037	.10261	.64659	.18863	.20989	.00728	.00768	.18826
#1	.47885	.20192	.24523	1.0619	49.159	1.0758	46.741	.48298	1.0534
#2	.47998	.20172	.24488	1.0716	49.028	1.0790	46.745	.48303	1.0562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.930**	**.47849**	**10.226**	**.48752**	**1.9550**	**.49232**	**1.9478**	F **7.5922**	**1.9896**
Stddev	.162	.00071	.000	.00191	.0016	.00126	.0032	.0138	.0024
%RSD	.30662	.14916	.00484	.39254	.08264	.25520	.16458	.18179	.12084
#1	53.044	.47799	10.226	.48887	1.9562	.49144	1.9456	7.5824	1.9879
#2	52.815	.47900	10.227	.48616	1.9539	.49321	1.9501	7.6019	1.9913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								7.0000	
Low Limit								1.0000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0518**	**.96847**	**.99701**	**1.9216**	**2.0357**	**.48841**	**.47130**	**.50113**
Stddev	.0000	.00311	.00107	.0047	.0086	.00185	.00094	.00021
%RSD	.00081	.32118	.10719	.24638	.42488	.37921	.19947	.04124
#1	1.0518	.97067	.99777	1.9182	2.0296	.48710	.47197	.50127
#2	1.0518	.96627	.99626	1.9249	2.0418	.48972	.47064	.50098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4999.8**	**83863.**	**6861.0**
Stddev	17.2	82.	23.7
%RSD	.34333	.09794	.34516
#1	5012.0	83805.	6844.3
#2	4987.7	83921.	6877.8

Sample Name: 280-62015-A-1-B Acquired: 11/17/2014 2:43:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**132.45**	**.09759**	**.02384**	**.45849**	**.00293**	**.07105**	**12.292**	**.00516**
Stddev	.00041	.14	.00079	.00151	.00031	.00012	.00095	.020	.00003
%RSD	10.037	.10643	.81230	6.3131	.06807	4.2602	1.3439	.16589	.60603
#1	.00379	132.35	.09815	.02490	.45871	.00284	.07037	12.278	.00513
#2	.00437	132.55	.09703	.02278	.45827	.00302	.07172	12.307	.00518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19647**	**.14138**	**.20952**	**188.91**	**5.8732**	**.18393**	**19.033**	**2.3905**	**.01343**
Stddev	.00010	.00038	.00118	.24	.0598	.00032	.033	.0004	.00032
%RSD	.05051	.26552	.56203	.12744	1.0187	.17225	.17331	.01485	2.3623
#1	.19654	.14112	.21035	188.74	5.8309	.18371	19.056	2.3903	.01365
#2	.19640	.14165	.20868	189.08	5.9155	.18416	19.010	2.3908	.01320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4027**	**.16281**	**8.7677**	**.88637**	**7.9749**	**.00294**	**.00662**	**3.8156**	**.01992**
Stddev	.0084	.00014	.0050	.00017	.0044	.00234	.00299	.0022	.00055
%RSD	.59988	.08840	.05752	.01931	.05568	79.798	45.211	.05853	2.7381
#1	1.3968	.16271	8.7713	.88625	7.9780	.00459	.00874	3.8172	.02031
#2	1.4087	.16291	8.7641	.88649	7.9718	.00128	.00450	3.8140	.01954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12207**	**.01124**	**3.1581**	**.00711**	**-.04543**	**.21636**	**1.0001**	**.01467**
Stddev	.00020	.00095	.0059	.00071	.00941	.00020	.0012	.00179
%RSD	.16208	8.4744	.18525	9.9218	20.712	.09049	.11761	12.223
#1	.12193	.01057	3.1539	.00761	-.05208	.21622	.99932	.01594
#2	.12221	.01192	3.1622	.00661	-.03878	.21650	1.0010	.01341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5491.8**	**90237.**	**7571.8**
Stddev	3.7	174.	16.1
%RSD	.06767	.19303	.21267
#1	5494.5	90114.	7583.2
#2	5489.2	90360.	7560.4

Sample Name: 280-62015-A-1-B SD@5 Acquired: 11/17/2014 2:45:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**27.854**	**.02297**	**.00711**	**.09538**	**.00060**	**.01454**	**2.6100**	**.00126**
Stddev	.00004	.051	.00002	.00043	.00007	.00000	.00247	.0032	.00013
%RSD	4.1378	.18155	.06700	6.0865	.07608	.02679	16.997	.12111	10.006
#1	.00104	27.889	.02296	.00742	.09533	.00060	.01279	2.6078	.00135
#2	.00111	27.818	.02298	.00680	.09543	.00060	.01629	2.6123	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04191**	**.02924**	**.04226**	**38.637**	**1.1384**	**.03429**	**4.1119**	**.50228**	**.00265**
Stddev	.00004	.00012	.00018	.064	.0175	.00282	.0038	.00043	.00011
%RSD	.10248	.42379	.43357	.16531	1.5400	8.2299	.09333	.08593	4.2189
#1	.04194	.02915	.04213	38.682	1.1507	.03629	4.1092	.50197	.00257
#2	.04188	.02933	.04239	38.592	1.1260	.03230	4.1147	.50259	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32953**	**.03492**	**1.8519**	**.19094**	**1.6832**	**.00048**	**-.00045**	**.76879**	**.00393**
Stddev	.00019	.00004	.0013	.00435	.0096	.00049	.00323	.00892	.00059
%RSD	.05728	.11968	.06946	2.2767	.57186	102.46	720.59	1.1606	14.946
#1	.32966	.03489	1.8528	.19402	1.6900	.00083	.00183	.77510	.00434
#2	.32939	.03495	1.8510	.18787	1.6764	.00013	-.00273	.76248	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02568**	**.00516**	**.64737**	**.00289**	**-.01694**	**.04408**	**.20998**	**.00292**
Stddev	.00002	.00002	.00268	.00023	.01502	.00090	.00034	.00120
%RSD	.06638	.47182	.41471	7.9176	88.635	2.0451	.16413	41.080
#1	.02570	.00514	.64927	.00305	-.02756	.04471	.21022	.00207
#2	.02567	.00518	.64547	.00272	-.00632	.04344	.20973	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5333.4**	**88363.**	**7162.0**
Stddev	.6	89.	44.7
%RSD	.01049	.10054	.62458
#1	5333.0	88426.	7130.4
#2	5333.8	88300.	7193.7

Sample Name: 280-62015-A-1-C MS Acquired: 11/17/2014 2:48:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05319**	**191.28**	**.98146**	**.89578**	**2.5597**	**.04855**	**1.9870**	**61.499**	**.08960**
Stddev	.00002	.41	.00052	.00186	.0035	.00023	.0015	.127	.00035
%RSD	.04132	.21454	.05343	.20777	.13608	.46590	.07685	.20678	.38706
#1	.05318	190.99	.98183	.89446	2.5573	.04839	1.9860	61.409	.08935
#2	.05321	191.57	.98109	.89710	2.5622	.04871	1.9881	61.589	.08984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64258**	**.36467**	**.45415**	**199.99**	**59.722**	**1.1801**	**65.168**	**2.9958**	**.95911**
Stddev	.00055	.00110	.00024	.50	.175	.0034	.244	.0095	.00094
%RSD	.08572	.30142	.05221	.25106	.29261	.28541	.37440	.31685	.09852
#1	.64297	.36544	.45398	199.64	59.598	1.1777	64.996	2.9891	.95978
#2	.64219	.36389	.45432	200.35	59.846	1.1824	65.341	3.0025	.95844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.136**	**.60860**	**18.309**	**1.3583**	**9.8986**	**.21497**	**1.7805**	**5.1698**	**1.6795**
Stddev	.220	.00004	.019	.0006	.0175	.00228	.0036	.0176	.0018
%RSD	.43875	.00722	.10274	.04780	.17645	1.0617	.20165	.34105	.10626
#1	49.981	.60864	18.322	1.3588	9.9109	.21336	1.7780	5.1574	1.6808
#2	50.292	.60857	18.296	1.3579	9.8862	.21659	1.7831	5.1823	1.6782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1445**	**.82299**	**5.3636**	**1.6978**	**1.8326**	**.73722**	**1.4989**	**.33885**
Stddev	.0010	.00282	.0190	.0010	.0241	.00463	.0011	.00125
%RSD	.08269	.34285	.35332	.06102	1.3155	.62835	.07372	.36776
#1	1.1438	.82099	5.3502	1.6970	1.8155	.73394	1.4997	.33797
#2	1.1451	.82498	5.3770	1.6985	1.8496	.74049	1.4982	.33973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5340.7**	**87768.**	**7641.9**
Stddev	2.3	123.	30.0
%RSD	.04268	.13966	.39208
#1	5342.3	87855.	7663.1
#2	5339.1	87681.	7620.7

Sample Name: 280-62015-A-1-D MSD Acquired: 11/17/2014 2:50:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05423**	**179.25**	**.99110**	**.92692**	**2.6153**	**.05010**	**2.0392**	**59.128**	**.09125**
Stddev	.00050	.71	.00566	.00013	.0095	.00022	.0001	.228	.00008
%RSD	.91286	.39633	.57151	.01443	.36336	.43166	.00290	.38590	.08787
#1	.05388	178.75	.99511	.92683	2.6086	.04995	2.0391	58.967	.09131
#2	.05458	179.76	.98710	.92702	2.6220	.05026	2.0392	59.290	.09120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63096**	**.35676**	**.43964**	**180.56**	**61.596**	**1.1951**	**64.147**	**2.7173**	**.98922**
Stddev	.00135	.00023	.00042	.60	.371	.0035	.048	.0032	.00025
%RSD	.21364	.06311	.09505	.33002	.60279	.29242	.07515	.11785	.02530
#1	.63000	.35660	.43934	180.14	61.333	1.1926	64.182	2.7196	.98904
#2	.63191	.35692	.43993	180.98	61.858	1.1976	64.113	2.7151	.98940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.804**	**.60412**	**17.599**	**1.2719**	**8.8211**	**.25836**	**1.8151**	**5.8977**	**1.7527**
Stddev	.066	.00040	.045	.0004	.0034	.00296	.0075	.0069	.0017
%RSD	.12738	.06661	.25507	.03255	.03860	1.1466	.41325	.11778	.09937
#1	51.757	.60440	17.568	1.2722	8.8235	.25627	1.8098	5.8928	1.7515
#2	51.850	.60384	17.631	1.2716	8.8187	.26046	1.8204	5.9027	1.7539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1643**	**.84222**	**5.1593**	**1.7530**	**1.8882**	**.72932**	**1.4004**	**.36087**
Stddev	.0038	.00520	.0068	.0027	.0207	.00051	.0024	.00088
%RSD	.32672	.61721	.13182	.15522	1.0984	.06963	.17048	.24270
#1	1.1617	.84589	5.1641	1.7511	1.8735	.72968	1.4021	.36149
#2	1.1670	.83854	5.1545	1.7549	1.9029	.72896	1.3987	.36025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5311.5**	**86863.**	**7538.7**
Stddev	2.9	290.	63.7
%RSD	.05543	.33397	.84549
#1	5313.6	86658.	7583.7
#2	5309.4	87068.	7493.6

Sample Name: 280-62015-A-1-B PDS Acquired: 11/17/2014 2:53:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01076**	**130.30**	**.28859**	**.11133**	**.54747**	**.05162**	**.07487**	**31.854**	**.05238**
Stddev	.00032	.00	.00495	.00011	.00079	.00005	.00104	.031	.00021
%RSD	2.9849	.00131	1.7169	.10079	.14449	.10581	1.3898	.09584	.40353
#1	.01098	130.30	.28508	.11125	.54803	.05166	.07560	31.876	.05223
#2	.01053	130.30	.29209	.11141	.54691	.05158	.07413	31.833	.05253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23850**	**.18687**	**.25415**	**185.24**	**24.841**	**.28249**	**37.246**	**2.3809**	**.05829**
Stddev	.00059	.00023	.00056	.01	.063	.00096	.007	.0008	.00002
%RSD	.24885	.12314	.22073	.00569	.25487	.34067	.01831	.03382	.03742
#1	.23808	.18704	.25455	185.24	24.796	.28181	37.250	2.3815	.05831
#2	.23892	.18671	.25375	185.23	24.885	.28317	37.241	2.3804	.05828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.197**	**.20573**	**10.621**	**.95373**	**7.9373**	**.08823**	**.18890**	**8.3104**	**.10835**
Stddev	.357	.00057	.012	.00070	.0097	.00181	.00919	.0107	.00110
%RSD	1.5409	.27931	.11475	.07325	.12216	2.0546	4.8671	.12820	1.0151
#1	22.945	.20533	10.613	.95323	7.9304	.08952	.18240	8.3029	.10757
#2	23.450	.20614	10.630	.95422	7.9441	.08695	.19540	8.3180	.10912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17072**	**.20214**	**3.1450**	**.19342**	**.46927**	**.26089**	**1.1644**	**.05813**
Stddev	.00037	.00274	.0025	.00068	.04157	.00003	.0009	.00230
%RSD	.21482	1.3543	.07842	.35257	8.8574	.01223	.07962	3.9621
#1	.17098	.20021	3.1467	.19294	.49866	.26091	1.1637	.05650
#2	.17046	.20408	3.1433	.19390	.43988	.26086	1.1650	.05976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5417.7**	**89081.**	**7617.7**
Stddev	.0	89.	28.1
%RSD	.00002	.10033	.36935
#1	5417.7	89144.	7597.8
#2	5417.7	89017.	7637.5

Sample Name: 280-62015-A-2-B Acquired: 11/17/2014 2:55:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**149.94**	**.12340**	**.02630**	**.39530**	**.00356**	**.05805**	**15.895**	**.00178**
Stddev	.00005	.01	.00059	.00023	.00076	.00005	.00148	.015	.00001
%RSD	2.3420	.00336	.48099	.86108	.19128	1.4370	2.5425	.09428	.29223
#1	.00207	149.94	.12381	.02646	.39583	.00353	.05910	15.884	.00179
#2	.00214	149.93	.12298	.02614	.39476	.00360	.05701	15.905	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15782**	**.13825**	**.12493**	**187.08**	**4.4954**	**.23804**	**19.920**	**1.6719**	**.00390**
Stddev	.00067	.00005	.00006	.21	.0408	.00320	.019	.0005	.00017
%RSD	.42602	.03577	.04407	.11101	.90835	1.3440	.09670	.03231	4.3521
#1	.15735	.13822	.12497	186.93	4.5243	.23578	19.933	1.6723	.00378
#2	.15830	.13829	.12489	187.23	4.4666	.24030	19.906	1.6716	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0785**	**.15826**	**8.8385**	**.35386**	**14.086**	**.00140**	**.01086**	**2.8928**	**.01352**
Stddev	.0080	.00023	.0057	.00154	.028	.00253	.00501	.0229	.00100
%RSD	.74387	.14769	.06453	.43649	.20204	180.71	46.157	.79059	7.3655
#1	1.0841	.15843	8.8426	.35495	14.106	-.00039	.00732	2.8766	.01422
#2	1.0728	.15810	8.8345	.35276	14.066	.00319	.01440	2.9090	.01281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13498**	**.00742**	**2.5516**	**.00727**	W **-.06958**	**.18783**	**.61035**	**.00897**
Stddev	.00039	.00060	.0013	.00023	.00417	.00016	.00008	.00084
%RSD	.28995	8.1494	.05170	3.1816	5.9909	.08300	.01390	9.4050
#1	.13526	.00785	2.5507	.00711	-.07253	.18794	.61029	.00957
#2	.13471	.00699	2.5526	.00743	-.06664	.18772	.61041	.00838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5502.8**	**91107.**	**7691.5**
Stddev	.5	145.	55.5
%RSD	.00974	.15954	.72208
#1	5503.2	91210.	7730.7
#2	5502.4	91004.	7652.2

Sample Name: 280-62015-A-3-B Acquired: 11/17/2014 2:58:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00295**	**129.50**	**.10383**	**.02249**	**.51472**	**.00303**	**.06899**	**11.218**	**.00555**
Stddev	.00019	.00	.00068	.00036	.00056	.00002	.00089	.005	.00018
%RSD	6.5329	.00092	.65446	1.5915	.10879	.61182	1.2881	.04519	3.2486
#1	.00282	129.50	.10431	.02274	.51511	.00304	.06836	11.215	.00542
#2	.00309	129.51	.10335	.02224	.51432	.00301	.06962	11.222	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21360**	**.14194**	**.23467**	**189.27**	**5.4548**	**.18092**	**18.774**	**2.5866**	**.01826**
Stddev	.00008	.00008	.00075	.11	.0062	.00136	.011	.0018	.00031
%RSD	.03556	.05779	.32120	.05845	.11281	.74960	.05929	.06818	1.6805
#1	.21355	.14199	.23414	189.19	5.4592	.17997	18.766	2.5878	.01848
#2	.21366	.14188	.23520	189.35	5.4505	.18188	18.782	2.5853	.01805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1733**	**.17043**	**8.9205**	**.94417**	**8.1750**	**.00072**	**.00231**	**2.8218**	**.01977**
Stddev	.0100	.00033	.0215	.00026	.0093	.00152	.00082	.0225	.00056
%RSD	.85081	.19451	.24111	.02755	.11351	211.36	35.572	.79575	2.8113
#1	1.1662	.17020	8.9053	.94398	8.1816	-.00036	.00289	2.8377	.02016
#2	1.1804	.17067	8.9357	.94435	8.1684	.00179	.00173	2.8059	.01938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11841**	**.01079**	**2.9280**	**.00840**	W **-.05199**	**.20525**	**1.0765**	**.00948**
Stddev	.00006	.00104	.0055	.00024	.03885	.00055	.0021	.00031
%RSD	.05147	9.6665	.18603	2.8476	74.719	.26696	.19125	3.2233
#1	.11837	.01153	2.9319	.00857	-.07946	.20486	1.0780	.00970
#2	.11845	.01005	2.9241	.00823	-.02452	.20564	1.0751	.00927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5501.2**	**90232.**	**7591.4**
Stddev	16.1	345.	9.4
%RSD	.29334	.38262	.12429
#1	5512.6	89987.	7584.7
#2	5489.8	90476.	7598.0

Sample Name: 280-62015-A-4-B Acquired: 11/17/2014 3:00:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**147.16**	**.10671**	**.02391**	**.62602**	**.00376**	**.07078**	**10.772**	**.00761**
Stddev	.00036	.13	.00330	.00078	.00079	.00003	.00472	.006	.00006
%RSD	5.5233	.08960	3.0934	3.2662	.12687	.90564	6.6671	.05818	.82696
#1	.00680	147.25	.10437	.02336	.62658	.00379	.07412	10.767	.00766
#2	.00629	147.07	.10904	.02446	.62546	.00374	.06745	10.776	.00757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47359**	**.15244**	**.23210**	**208.49**	**5.2182**	**.23724**	**20.640**	**2.1038**	**.00345**
Stddev	.00001	.00003	.00165	.13	.0000	.00041	.012	.0006	.00000
%RSD	.00307	.01920	.71159	.06139	.00080	.17477	.05772	.02802	.07095
#1	.47360	.15247	.23093	208.40	5.2182	.23754	20.631	2.1034	.00344
#2	.47358	.15242	.23327	208.58	5.2182	.23695	20.648	2.1042	.00345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99287**	**.21162**	**8.3917**	**2.7795**	**16.250**	**.00470**	**.01123**	**2.3285**	**.03241**
Stddev	.00127	.00016	.0030	.0027	.036	.00014	.00675	.0042	.00062
%RSD	.12824	.07379	.03576	.09519	.21971	2.8869	60.127	.18220	1.9193
#1	.99377	.21173	8.3895	2.7814	16.225	.00480	.00645	2.3315	.03197
#2	.99197	.21151	8.3938	2.7777	16.275	.00461	.01600	2.3255	.03285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11472**	**.01472**	**2.7068**	**.00866**	W **-.07608**	**.29283**	**1.3769**	**.01009**
Stddev	.00000	.00057	.0019	.00101	.02916	.00064	.0020	.00026
%RSD	.00313	3.8922	.07084	11.669	38.333	.21781	.14839	2.5727
#1	.11472	.01432	2.7081	.00794	-.05546	.29238	1.3784	.01027
#2	.11472	.01513	2.7054	.00937	-.09670	.29328	1.3755	.00991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5451.6**	**89111.**	**7606.2**
Stddev	1.1	188.	10.3
%RSD	.02032	.21127	.13556
#1	5452.4	88978.	7598.9
#2	5450.9	89244.	7613.5

Sample Name: ccvh-2982968 Acquired: 11/17/2014 3:03:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00603**	**52.940**	**.00122**	**.00352**	**.00007**	**-.00005**	**1.0054**	**-.09367**	**-.00042**	**.00142**	**-.00044**	**-.00334**	**54.084**
Stddev	.00027	.012	.00200	.00049	.00003	.00003	.0063	.00211	.00000	.00019	.00003	.00033	.047
%RSD	4.4454	.02255	163.15	13.879	35.487	68.934	.62326	2.2560	1.0309	13.208	6.9991	9.8581	.08663
#1	.00584	52.931	-.00019	.00387	.00005	-.00002	1.0010	-.09217	-.00042	.00155	-.00042	-.00311	54.051
#2	.00622	52.948	.00263	.00318	.00009	-.00007	1.0098	-.09516	-.00042	.00128	-.00047	-.00357	54.117
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.08100**	**-.00178**	**.13677**	**-.00288**	**-.00141**	**255.70**	**.00148**	**.00789**	**.00115**	**4.9600**	**.00810**	**.00300**	**-.00854**
Stddev	.03569	.00037	.00036	.00002	.00013	.58	.00020	.00151	.00075	.0064	.00047	.00794	.01333
%RSD	44.060	20.636	.26366	.69418	9.3519	.22605	13.704	19.164	65.087	.12915	5.7939	264.64	156.08
#1	-.05576	-.00203	.13651	-.00287	-.00131	256.11	.00134	.00682	.00168	4.9555	.00777	-.00261	-.01796
#2	-.10624	-.00152	.13702	-.00290	-.00150	255.29	.00163	.00896	.00062	4.9645	.00843	.00861	.00089
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**.00046**	**4.8374**	**-.02281**	**.00129**	**9.7684**	**.00365**	**-.00032**	**-.03753**
Stddev	.00018	.00001	.0028	.00031	.00006	.0141	.00024	.00014	.00051
%RSD	10.036	3.2761	.05831	1.3671	4.7884	.14427	6.6487	44.233	1.3465
#1	.00167	.00047	4.8394	-.02259	.00124	9.7784	.00382	-.00043	-.03718
#2	.00192	.00045	4.8354	-.02303	.00133	9.7585	.00347	-.00022	-.03789
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5052.5**	**83542.**	**6803.0**
Stddev	11.1	257.	1.6
%RSD	.21955	.30791	.02342
#1	5060.4	83360.	6804.2
#2	5044.7	83724.	6801.9

Sample Name: ccv-2984587 Acquired: 11/17/2014 3:05:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48759**	**.52223**	**.95742**	**.48766**	**.50717**	**.49690**	**.00815**	**5.0344**	**.48113**	**.48547**	**.49997**	**.48430**	**2.6185**	**48.102**
Stddev	.00036	.00182	.00225	.00056	.00088	.00131	.00157	.0012	.00041	.00110	.00039	.00090	.0039	.068
%RSD	.07456	.34779	.23507	.11559	.17370	.26384	19.298	.02472	.08482	.22711	.07826	.18592	.14721	.14218
#1	.48785	.52351	.95583	.48805	.50655	.49598	.00926	5.0335	.48142	.48625	.49969	.48493	2.6212	48.054
#2	.48733	.52094	.95901	.48726	.50779	.49783	.00704	5.0352	.48084	.48469	.50024	.48366	2.6158	48.151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0528**	**18.867**	**.48595**	**.50049**	**5.1995**	**.48797**	**.98748**	**.98607**	**.00559**	**.97484**	**.98475**	**4.9937**	**.99040**	**.51692**
Stddev	.0037	.008	.00130	.00070	.0234	.00037	.00251	.00058	.00437	.00393	.00853	.0157	.00037	.00117
%RSD	.35578	.04500	.26815	.13922	.45080	.07658	.25395	.05931	78.310	.40320	.86599	.31506	.03757	.22551
#1	1.0501	18.861	.48503	.50098	5.1830	.48824	.98925	.98566	.00249	.97762	.99078	4.9826	.99066	.51610
#2	1.0554	18.873	.48687	.50000	5.2161	.48771	.98570	.98649	.00868	.97206	.97872	5.0049	.99013	.51774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.49163**	**.99223**	**.01268**	**.48017**	**.47812**	**.49776**
Stddev	.00085	.00039	.00031	.01483	.00137	.00167	.00119
%RSD	7.3688	.07992	.03132	116.99	.28479	.34944	.23942
#1	.01089	.49135	.99201	.02316	.47920	.47693	.49692
#2	.01208	.49190	.99245	.00219	.48113	.47930	.49860
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5147.3**	**85317.**	**6782.9**
Stddev	3.8	486.	26.5
%RSD	.07438	.56909	.39067
#1	5144.6	85660.	6801.6
#2	5150.0	84974.	6764.2

Sample Name: CCB Acquired: 11/17/2014 3:08:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.01363**	**.00288**	W **.00290**	**-.00037**	**.00004**	**-.00390**	**.00724**	**.00017**	**-.00002**	**-.00054**	**-.00007**
Stddev	.00007	.00208	.00126	.00006	.00020	.00001	.00139	.00325	.00010	.00010	.00013	.00003
%RSD	16.174	15.292	43.947	2.1758	53.483	18.071	35.560	44.842	59.261	550.15	23.854	49.242
#1	.00039	.01216	.00377	.00294	-.00023	.00004	-.00292	.00494	.00010	-.00009	-.00045	-.00004
#2	.00049	.01511	.00198	.00285	-.00051	.00003	-.00488	.00954	.00024	.00005	-.00063	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156								
Low Limit				-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.06309**	**-.10360**	**-.00066**	**.00438**	W **.00032**	**.00032**	**.05284**	**.00033**	**.00193**	**-.00044**	**.00980**	**-.00079**
Stddev	.00203	.00070	.00021	.00075	.00001	.00039	.00417	.00040	.00010	.00004	.00307	.00110
%RSD	3.2191	.67737	32.183	17.177	3.2905	120.17	7.8841	123.01	5.3205	8.2659	31.316	140.53
#1	.06165	-.10310	-.00081	.00385	.00031	.00005	.05579	.00004	.00201	-.00046	.00763	-.00000
#2	.06453	-.10410	-.00051	.00492	.00033	.00060	.04990	.00061	.00186	-.00041	.01197	-.00157
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.04400				.00025							
Low Limit	-.04400				-.00025							

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00576**	**.00085**	**.00088**	**.00005**	**.00029**	**.00037**	**.00047**	**.00870**	**-.00008**	**-.00028**	**-.00060**
Stddev	.00475	.00592	.00070	.00008	.00088	.00006	.00000	.00450	.00051	.00030	.00129
%RSD	82.522	696.72	79.290	160.88	304.77	16.298	.78506	51.725	649.18	107.35	213.05
#1	.00240	.00504	.00138	.00010	-.00033	.00033	.00047	.00552	-.00044	-.00007	.00031
#2	.00912	-.00334	.00039	-.00001	.00091	.00041	.00047	.01188	.00028	-.00049	-.00152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486										
Low Limit	-.00486										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5181.0**	**86644.**	**6766.4**
Stddev	3.3	355.	11.0
%RSD	.06390	.41011	.16247
#1	5178.7	86393.	6758.6
#2	5183.4	86895.	6774.2

Sample Name: CCVL2994263 Acquired: 11/17/2014 3:11:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01121**	**.11223**	**.01713**	**.10412**	**.01075**	**.00113**	**.11256**	**.22020**	**.00530**	**.01041**	**.01034**	**.01594**
Stddev	.00029	.00039	.00426	.00049	.00025	.00000	.00125	.00373	.00001	.00009	.00031	.00045
%RSD	2.5900	.35185	24.840	.47425	2.3516	.30863	1.1113	1.6945	.24040	.90084	3.0388	2.8352
#1	.01100	.11195	.02014	.10377	.01057	.00112	.11345	.21756	.00530	.01035	.01057	.01626
#2	.01141	.11251	.01412	.10447	.01093	.00113	.11168	.22284	.00531	.01048	.01012	.01562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11481**	**3.0168**	**.00848**	**.21550**	**.01066**	**.02100**	**1.1619**	**.04313**	**3.0562**	**.00929**	**.00545**	**.00989**
Stddev	.00093	.0260	.00008	.00026	.00011	.00036	.0096	.00039	.0050	.00020	.00377	.00045
%RSD	.81362	.86287	.89995	.12151	.99532	1.7167	.82518	.91221	.16411	2.1304	69.234	4.5264
#1	.11415	3.0352	.00853	.21569	.01073	.02125	1.1687	.04285	3.0527	.00915	.00812	.00957
#2	.11547	2.9984	.00842	.21531	.01058	.02075	1.1551	.04341	3.0598	.00943	.00278	.01021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01436**	**.52897**	**.10592**	**.01116**	**.01465**	**.01045**	**.01609**	W **.07627**	**.00936**	**.02042**	**.01544**
Stddev	.00199	.00412	.00060	.00011	.00072	.00050	.00043	.03859	.00010	.00058	.00069
%RSD	13.878	.77809	.56223	.97481	4.8916	4.7942	2.6797	50.588	1.0190	2.8555	4.4954
#1	.01295	.52606	.10634	.01108	.01516	.01009	.01640	.04899	.00943	.02083	.01593
#2	.01577	.53188	.10550	.01124	.01415	.01080	.01579	.10356	.00930	.02001	.01495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5235.4**	**87454.**	**6813.8**
Stddev	.8	16.	28.5
%RSD	.01612	.01806	.41852
#1	5236.0	87443.	6834.0
#2	5234.8	87465.	6793.6

Sample Name: 280-62015-A-5-B Acquired: 11/17/2014 3:13:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00494**	**111.52**	**.09251**	**.01886**	**.37190**	**.00252**	**.06153**	**9.0592**	**.00611**
Stddev	.00003	.19	.00346	.00057	.00006	.00006	.00051	.0256	.00005
%RSD	.54005	.16904	3.7416	3.0310	.01559	2.5196	.82527	.28208	.80535
#1	.00496	111.38	.09496	.01927	.37186	.00248	.06117	9.0411	.00614
#2	.00492	111.65	.09006	.01846	.37194	.00257	.06189	9.0773	.00607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24063**	**.12051**	**.18297**	**167.07**	**4.4326**	**.16040**	**16.183**	**1.9355**	**.00787**
Stddev	.00059	.00001	.00052	.37	.0489	.00393	.072	.0044	.00002
%RSD	.24616	.00484	.28573	.21905	1.1037	2.4518	.44246	.22754	.30798
#1	.24105	.12051	.18334	166.81	4.3980	.15762	16.132	1.9323	.00788
#2	.24022	.12050	.18260	167.33	4.4672	.16318	16.234	1.9386	.00785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97999**	**.14925**	**7.4711**	**.99746**	**9.2745**	**.00172**	**.00122**	**3.9935**	**.02210**
Stddev	.00109	.00036	.0010	.00152	.0056	.00178	.00193	.0211	.00104
%RSD	.11127	.23826	.01326	.15222	.06071	102.94	157.73	.52810	4.7169
#1	.97921	.14950	7.4704	.99639	9.2705	.00298	-.00014	4.0084	.02137
#2	.98076	.14900	7.4718	.99854	9.2785	.00047	.00259	3.9786	.02284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09941**	**.01044**	**2.7164**	**.00610**	**-.03994**	**.20114**	**.98706**	**.01096**
Stddev	.00009	.00056	.0062	.00005	.03655	.00039	.00548	.00202
%RSD	.09065	5.3493	.22733	.84699	91.514	.19230	.55555	18.462
#1	.09935	.01004	2.7120	.00614	-.01410	.20142	.98318	.00953
#2	.09948	.01083	2.7207	.00606	-.06579	.20087	.99094	.01239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5398.0**	**88980.**	**7482.6**
Stddev	2.8	573.	5.7
%RSD	.05138	.64422	.07665
#1	5399.9	89385.	7486.7
#2	5396.0	88575.	7478.6

Sample Name: 280-62015-A-6-B Acquired: 11/17/2014 3:16:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00365**	**123.75**	**.10055**	**.01679**	**.35247**	**.00294**	**.05022**	**10.181**	**.00272**
Stddev	.00021	.14	.00191	.00024	.00014	.00001	.00024	.020	.00027
%RSD	5.8534	.10945	1.8961	1.4042	.03967	.42123	.47133	.19206	9.8692
#1	.00350	123.85	.10190	.01695	.35257	.00293	.05039	10.195	.00253
#2	.00380	123.65	.09920	.01662	.35237	.00295	.05005	10.167	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18677**	**.12224**	**.13050**	**177.07**	**3.7379**	**.20824**	**19.182**	**1.6866**	**.00326**
Stddev	.00027	.00038	.00011	.17	.0089	.00079	.032	.0002	.00013
%RSD	.14302	.31045	.08716	.09829	.23704	.37939	.16837	.01197	3.9083
#1	.18658	.12197	.13042	177.20	3.7442	.20880	19.205	1.6868	.00335
#2	.18696	.12251	.13058	176.95	3.7317	.20768	19.159	1.6865	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78871**	**.15514**	**6.9843**	**.45254**	**9.9822**	**.00370**	**.00679**	**2.9140**	**.01437**
Stddev	.00105	.00028	.0093	.00114	.0098	.00002	.00139	.0122	.00110
%RSD	.13361	.18312	.13330	.25166	.09849	.44464	20.458	.41718	7.6179
#1	.78796	.15534	6.9777	.45335	9.9752	.00369	.00581	2.9226	.01515
#2	.78945	.15494	6.9909	.45174	9.9891	.00371	.00777	2.9054	.01360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10520**	**.00685**	**2.2167**	**.00597**	W **-.06793**	**.17573**	**.58277**	**.00825**
Stddev	.00017	.00018	.0010	.00229	.01117	.00038	.00114	.00038
%RSD	.15738	2.6815	.04656	38.379	16.441	.21732	.19531	4.5772
#1	.10532	.00698	2.2160	.00759	-.07582	.17600	.58358	.00798
#2	.10508	.00672	2.2174	.00435	-.06003	.17546	.58197	.00851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5427.5**	**89250.**	**7394.6**
Stddev	17.6	176.	7.9
%RSD	.32427	.19665	.10629
#1	5415.1	89126.	7400.1
#2	5440.0	89375.	7389.0

Sample Name: 280-62015-A-7-B Acquired: 11/17/2014 3:18:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**104.84**	**.08023**	**.01624**	**.33248**	**.00230**	**.06396**	**10.189**	**.00405**
Stddev	.00068	.08	.00362	.00058	.00062	.00003	.00141	.017	.00007
%RSD	30.920	.07812	4.5177	3.5636	.18561	1.4249	2.2022	.17131	1.6096
#1	.00268	104.89	.07767	.01665	.33291	.00228	.06495	10.202	.00401
#2	.00172	104.78	.08280	.01583	.33204	.00233	.06296	10.177	.00410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17341**	**.11527**	**.19469**	**158.70**	**4.5298**	**.14242**	**15.384**	**2.3855**	**.02820**
Stddev	.00063	.00039	.00038	.37	.0673	.00080	.010	.0026	.00057
%RSD	.36314	.33657	.19730	.23150	1.4849	.56238	.06585	.10716	2.0059
#1	.17296	.11500	.19496	158.96	4.4822	.14298	15.391	2.3837	.02860
#2	.17385	.11554	.19442	158.44	4.5774	.14185	15.377	2.3873	.02780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8672**	**.13899**	**7.5180**	**.69879**	**7.2861**	**.00064**	**.00490**	**4.0019**	**.01474**
Stddev	.0016	.00014	.0129	.00116	.0006	.00287	.00356	.0226	.00127
%RSD	.08675	.09842	.17136	.16645	.00867	449.76	72.631	.56388	8.6187
#1	1.8660	.13909	7.5089	.69961	7.2865	-.00139	.00741	4.0179	.01564
#2	1.8683	.13889	7.5271	.69796	7.2856	.00266	.00238	3.9860	.01384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10392**	**.00729**	**2.8598**	**.00837**	**-.04344**	**.16251**	**.86728**	**.01010**
Stddev	.00021	.00084	.0001	.00024	.02317	.00048	.00152	.00008
%RSD	.19953	11.580	.00188	2.8968	53.347	.29583	.17577	.82880
#1	.10407	.00789	2.8599	.00820	-.05982	.16217	.86620	.01004
#2	.10377	.00669	2.8598	.00855	-.02705	.16285	.86836	.01016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5429.2**	**88593.**	**7420.8**
Stddev	7.6	377.	9.0
%RSD	.13977	.42588	.12084
#1	5423.9	88860.	7427.1
#2	5434.6	88326.	7414.5

Sample Name: 280-62015-A-8-B Acquired: 11/17/2014 3:21:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00747**	**147.11**	**.11658**	**.02086**	**.43065**	**.00360**	**.06183**	**10.809**	**.00666**
Stddev	.00010	.25	.00096	.00037	.00086	.00001	.00199	.030	.00004
%RSD	1.3210	.17281	.82228	1.7695	.19955	.38994	3.2106	.27810	.55609
#1	.00754	147.29	.11726	.02112	.43126	.00359	.06323	10.788	.00669
#2	.00740	146.93	.11590	.02060	.43005	.00361	.06043	10.830	.00664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41158**	**.15233**	**.21331**	**208.91**	**5.1185**	**.23451**	**21.883**	**2.2708**	**.00709**
Stddev	.00036	.00045	.00080	.31	.0226	.00148	.055	.0049	.00011
%RSD	.08812	.29264	.37452	.14849	.44215	.63014	.25096	.21767	1.5242
#1	.41183	.15265	.21388	208.69	5.1025	.23555	21.844	2.2673	.00701
#2	.41132	.15202	.21275	209.13	5.1345	.23346	21.922	2.2743	.00716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6805**	**.19962**	**8.4249**	**1.2437**	**10.003**	**.00202**	**.00648**	**2.6554**	**.02345**
Stddev	.0011	.00013	.0010	.0007	.022	.00091	.00342	.0099	.00090
%RSD	.06713	.06284	.01179	.05926	.21888	45.260	52.790	.37440	3.8339
#1	1.6797	.19953	8.4242	1.2432	10.019	.00137	.00406	2.6625	.02409
#2	1.6813	.19971	8.4256	1.2443	9.9877	.00267	.00890	2.6484	.02282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12041**	**.01161**	**2.7187**	**.00716**	W **-.08386**	**.25018**	**1.1372**	**.01181**
Stddev	.00020	.00126	.0022	.00098	.01316	.00137	.0002	.00116
%RSD	.16993	10.880	.08057	13.732	15.694	.54871	.01689	9.8273
#1	.12055	.01072	2.7171	.00646	-.07455	.24921	1.1371	.01263
#2	.12026	.01250	2.7202	.00785	-.09316	.25115	1.1373	.01099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5461.4**	**89166.**	**7493.7**
Stddev	7.7	552.	102.6
%RSD	.14108	.61853	1.3687
#1	5466.8	89556.	7566.2
#2	5455.9	88776.	7421.1

Sample Name: 280-62015-A-9-B Acquired: 11/17/2014 3:23:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00295**	**118.15**	**.09357**	**.01782**	**.32186**	**.00270**	**.04961**	**7.5625**	**.00351**
Stddev	.00015	.15	.00370	.00062	.00040	.00001	.00399	.0254	.00001
%RSD	5.2085	.12884	3.9574	3.4886	.12374	.48318	8.0417	.33623	.25296
#1	.00284	118.25	.09618	.01826	.32158	.00269	.04679	7.5445	.00350
#2	.00306	118.04	.09095	.01738	.32214	.00271	.05243	7.5805	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22182**	**.12088**	**.15730**	**178.59**	**3.8733**	**.20311**	**17.760**	**1.0994**	**.00438**
Stddev	.00024	.00025	.00045	.02	.0228	.00056	.019	.0005	.00002
%RSD	.10992	.20496	.28744	.01048	.58960	.27773	.10821	.04220	.37659
#1	.22199	.12070	.15762	178.58	3.8572	.20351	17.746	1.0997	.00437
#2	.22165	.12105	.15698	178.61	3.8895	.20271	17.773	1.0990	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3898**	**.15389**	**7.0179**	**.68319**	**7.0091**	**.00034**	**-.00431**	**2.8790**	**.01805**
Stddev	.0077	.00044	.0113	.00175	.0153	.00084	.00117	.0240	.00008
%RSD	.55433	.28444	.16142	.25599	.21852	250.97	27.080	.83303	.46101
#1	1.3952	.15420	7.0099	.68442	6.9982	.00093	-.00348	2.8960	.01799
#2	1.3844	.15358	7.0259	.68195	7.0199	-.00026	-.00513	2.8620	.01811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09245**	**.00390**	**2.1165**	**.00649**	**-.04539**	**.18008**	**.79143**	**.00810**
Stddev	.00018	.00025	.0005	.00193	.00330	.00072	.00110	.00032
%RSD	.19339	6.3735	.02493	29.654	7.2608	.40068	.13851	3.8926
#1	.09233	.00408	2.1169	.00785	-.04306	.18059	.79066	.00832
#2	.09258	.00373	2.1162	.00513	-.04772	.17957	.79221	.00788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5411.3**	**88438.**	**7368.5**
Stddev	3.7	205.	8.6
%RSD	.06800	.23182	.11699
#1	5408.7	88583.	7362.4
#2	5413.9	88293.	7374.6

Sample Name: 280-62015-A-10-B Acquired: 11/17/2014 3:26:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**164.39**	**.22187**	**.00635**	**.15644**	**.00415**	**.04604**	**5.1137**	**-.00052**
Stddev	.00026	.38	.00020	.00034	.00076	.00001	.00562	.0271	.00003
%RSD	24.944	.23115	.09106	5.3447	.48409	.23636	12.199	.53082	6.6996
#1	.00087	164.13	.22172	.00611	.15590	.00415	.05001	5.0945	-.00049
#2	.00125	164.66	.22201	.00659	.15698	.00416	.04207	5.1329	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18076**	**.18894**	**.17479**	**396.46**	**2.3976**	**.39228**	**35.839**	**1.8227**	**.00633**
Stddev	.00019	.00020	.00024	1.26	.0414	.00074	.048	.0010	.00001
%RSD	.10356	.10381	.13649	.31875	1.7265	.18773	.13466	.05271	.14443
#1	.18063	.18908	.17496	395.57	2.3683	.39280	35.804	1.8220	.00632
#2	.18089	.18880	.17462	397.36	2.4269	.39176	35.873	1.8234	.00634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82516**	**.39775**	**6.8098**	**.14961**	**.93824**	**.00588**	**.01033**	**2.7036**	**.00977**
Stddev	.01221	.00015	.0107	.00162	.00359	.00294	.00337	.0429	.00091
%RSD	1.4801	.03809	.15651	1.0834	.38301	49.997	32.581	1.5852	9.3173
#1	.81652	.39765	6.8023	.15075	.93570	.00380	.01271	2.6733	.01042
#2	.83380	.39786	6.8174	.14846	.94078	.00796	.00795	2.7339	.00913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04900**	**.00170**	**1.6265**	**.01037**	W **-.05965**	**.23372**	**.82054**	**.03575**
Stddev	.00010	.00186	.0008	.00084	.00296	.00015	.00355	.00181
%RSD	.20662	109.34	.04602	8.1251	4.9596	.06214	.43288	5.0560
#1	.04892	.00039	1.6260	.00977	-.05756	.23362	.81803	.03703
#2	.04907	.00302	1.6270	.01096	-.06175	.23382	.82305	.03447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5287.4**	**86519.**	**7256.9**
Stddev	9.5	333.	66.8
%RSD	.17941	.38437	.92005
#1	5280.6	86754.	7304.1
#2	5294.1	86283.	7209.7

Sample Name: 280-62015-A-11-B Acquired: 11/17/2014 3:29:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00418**	**97.522**	**.09840**	**.01825**	**.31268**	**.00242**	**.04516**	**9.0874**	**.00480**
Stddev	.00010	.095	.00022	.00094	.00054	.00001	.00056	.0104	.00024
%RSD	2.3795	.09773	.22847	5.1418	.17324	.23747	1.2308	.11442	4.9346
#1	.00425	97.454	.09856	.01759	.31307	.00242	.04555	9.0801	.00463
#2	.00411	97.589	.09824	.01892	.31230	.00242	.04476	9.0948	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17508**	**.10785**	**.15736**	**158.55**	**3.5759**	**.15731**	**15.488**	**1.4323**	**.00600**
Stddev	.00026	.00015	.00057	.31	.0084	.00003	.043	.0003	.00013
%RSD	.15051	.13953	.35989	.19439	.23467	.01869	.27487	.01717	2.2199
#1	.17489	.10796	.15696	158.33	3.5818	.15733	15.518	1.4322	.00609
#2	.17527	.10774	.15776	158.77	3.5699	.15729	15.457	1.4325	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57294**	**.13130**	**7.0242**	**.84322**	**8.9560**	**.00147**	**.00281**	**1.8208**	**.01861**
Stddev	.00766	.00001	.0062	.00034	.0108	.00176	.00311	.0122	.00054
%RSD	1.3372	.00905	.08777	.04071	.12011	119.91	110.55	.66981	2.8910
#1	.57835	.13129	7.0198	.84298	8.9484	.00271	.00501	1.8122	.01899
#2	.56752	.13131	7.0285	.84346	8.9636	.00022	.00061	1.8294	.01823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09497**	**.00708**	**1.9675**	**.00400**	**-.04353**	**.16122**	**.80945**	**.00771**
Stddev	.00012	.00232	.0014	.00014	.01091	.00020	.00256	.00158
%RSD	.12643	32.753	.06898	3.4305	25.073	.12652	.31577	20.563
#1	.09506	.00871	1.9685	.00390	-.05124	.16107	.81125	.00659
#2	.09489	.00544	1.9665	.00409	-.03581	.16136	.80764	.00883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5468.1**	**89049.**	**7389.8**
Stddev	1.0	349.	36.6
%RSD	.01800	.39224	.49532
#1	5467.4	88802.	7415.7
#2	5468.8	89296.	7363.9

Sample Name: 280-62015-A-12-B Acquired: 11/17/2014 3:31:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**117.22**	**.11489**	**.01547**	**.24682**	**.00286**	**.03757**	**9.0344**	**.00115**
Stddev	.00000	.25	.00153	.00057	.00038	.00000	.00287	.0423	.00016
%RSD	.02995	.21504	1.3274	3.6930	.15584	.14694	7.6502	.46874	13.519
#1	.00075	117.04	.11597	.01506	.24709	.00286	.03960	9.0044	.00126
#2	.00075	117.39	.11381	.01587	.24655	.00286	.03554	9.0643	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08388**	**.12091**	**.08677**	**220.92**	**2.3871**	**.22484**	**22.318**	**2.4029**	**.00241**
Stddev	.00028	.00030	.00052	.69	.0024	.00117	.028	.0005	.00038
%RSD	.33281	.25013	.59506	.31190	.10255	.52051	.12441	.02064	15.903
#1	.08368	.12070	.08640	220.43	2.3889	.22401	22.298	2.4026	.00214
#2	.08408	.12112	.08713	221.41	2.3854	.22567	22.338	2.4033	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41016**	**.15738**	**6.7303**	**.15767**	**5.4161**	**.00125**	**.00726**	**2.4721**	**.01392**
Stddev	.00974	.00045	.0008	.00062	.0318	.00111	.00360	.0121	.00024
%RSD	2.3742	.28299	.01236	.39627	.58789	88.236	49.609	.48909	1.7083
#1	.41705	.15707	6.7298	.15722	5.3936	.00047	.00471	2.4807	.01409
#2	.40327	.15770	6.7309	.15811	5.4386	.00204	.00980	2.4636	.01375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08810**	**.00400**	**1.5818**	**.00607**	W **-.07150**	**.15215**	**.54819**	**.00740**
Stddev	.00011	.00018	.0007	.00055	.00545	.00009	.00146	.00189
%RSD	.12089	4.4682	.04509	9.0407	7.6275	.05972	.26681	25.476
#1	.08817	.00412	1.5813	.00646	-.07535	.15221	.54923	.00607
#2	.08802	.00387	1.5823	.00569	-.06764	.15209	.54716	.00873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5361.9**	**87738.**	**7400.7**
Stddev	6.5	12.	43.9
%RSD	.12079	.01318	.59298
#1	5366.5	87746.	7431.7
#2	5357.3	87730.	7369.6

Sample Name: 280-62015-A-13-B Acquired: 11/17/2014 3:34:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C Q4 soil (no)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**107.45**	**.08152**	**.01748**	**.34178**	**.00247**	**.05852**	**9.5022**	**.00511**
Stddev	.00027	.24	.00055	.00058	.00125	.00004	.00088	.0253	.00014
%RSD	8.7185	.22381	.67968	3.3138	.36627	1.7916	1.5059	.26588	2.7622
#1	.00286	107.28	.08112	.01707	.34089	.00244	.05914	9.4844	.00521
#2	.00324	107.62	.08191	.01789	.34267	.00250	.05790	9.5201	.00501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17823**	**.11858**	**.19773**	**175.03**	**4.3389**	**.15131**	**16.123**	**1.9332**	**.00865**
Stddev	.00009	.00022	.00016	.89	.0555	.00046	.020	.0012	.00019
%RSD	.05186	.18445	.08078	.50885	1.2791	.30113	.12694	.06058	2.1486
#1	.17816	.11873	.19762	174.40	4.2997	.15163	16.137	1.9340	.00878
#2	.17829	.11842	.19784	175.66	4.3782	.15099	16.108	1.9323	.00852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56080**	**.14354**	**8.6565**	**.82435**	**7.6341**	**.00172**	**.00662**	**2.2212**	**.01670**
Stddev	.00825	.00021	.0009	.00389	.0044	.00188	.00692	.0107	.00053
%RSD	1.4710	.14942	.00996	.47197	.05780	109.81	104.42	.48369	3.1486
#1	.55497	.14369	8.6572	.82710	7.6310	.00305	.00173	2.2288	.01633
#2	.56664	.14339	8.6559	.82159	7.6373	.00038	.01152	2.2136	.01707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09937**	**.01009**	**2.5647**	**.00612**	W **-.06256**	**.17278**	**.94959**	**.01252**
Stddev	.00044	.00289	.0006	.00102	.00744	.00056	.00295	.00048
%RSD	.44478	28.649	.02328	16.622	11.898	.32580	.31109	3.8327
#1	.09906	.01213	2.5651	.00684	-.06782	.17239	.95168	.01286
#2	.09968	.00805	2.5642	.00540	-.05730	.17318	.94750	.01218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5444.4**	**89510.**	**7354.3**
Stddev	13.0	181.	24.6
%RSD	.23937	.20206	.33472
#1	5435.2	89383.	7336.9
#2	5453.6	89638.	7371.8

Sample Name: ccvh-2982968 Acquired: 11/17/2014 3:36:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00606**	**53.307**	**.00055**	**.00196**	**-.00006**	**-.00005**	**.99847**	**-.09709**	**-.00039**	**.00141**	**-.00022**	**-.00337**	**54.341**
Stddev	.00017	.216	.00350	.00035	.00001	.00005	.00214	.00009	.00009	.00016	.00037	.00017	.103
%RSD	2.8435	.40460	641.25	17.863	18.446	95.388	.21461	.09310	23.997	11.305	166.59	5.1347	.18975
#1	.00618	53.154	-.00193	.00171	-.00005	-.00002	.99998	-.09702	-.00046	.00129	.00004	-.00349	54.268
#2	.00594	53.459	.00302	.00220	-.00007	-.00009	.99695	-.09715	-.00032	.00152	-.00048	-.00325	54.414
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.14298**	**-.00149**	**.14156**	**-.00286**	**-.00162**	**258.49**	**.00126**	**.00906**	**.00189**	**4.9052**	**.00850**	**.00317**	**-.00339**
Stddev	.00342	.00253	.00335	.00002	.00040	.63	.00015	.00015	.00134	.0057	.00228	.00041	.00106
%RSD	2.3945	170.35	2.3640	.67441	24.978	.24425	11.921	1.6725	71.185	.11666	26.867	12.902	31.411
#1	-.14540	-.00327	.14393	-.00288	-.00190	258.04	.00116	.00896	.00094	4.9011	.00689	.00288	-.00414
#2	-.14056	.00030	.13920	-.00285	-.00133	258.94	.00137	.00917	.00284	4.9092	.01012	.00346	-.00264
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.00040**	**4.8862**	**-.02340**	**.00216**	**9.8343**	**.00413**	**-.00126**	**-.03512**
Stddev	.00034	.00006	.0050	.00072	.00159	.0125	.00004	.00017	.00097
%RSD	22.319	16.299	.10158	3.0572	73.754	.12684	1.0221	13.768	2.7624
#1	.00129	.00035	4.8827	-.02289	.00328	9.8431	.00416	-.00113	-.03581
#2	.00178	.00044	4.8897	-.02391	.00103	9.8255	.00410	-.00138	-.03444
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5014.6**	**82218.**	**6584.0**
Stddev	21.9	.	36.1
%RSD	.43624	.00001	.54765
#1	4999.2	82218.	6609.5
#2	5030.1	82218.	6558.5

Sample Name: ccv-2984587 Acquired: 11/17/2014 3:39:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48669**	**.51221**	**.96262**	**.48767**	**.50799**	**.49844**	**.00650**	**5.0451**	**.48403**	**.48821**	**.49702**	**.48781**	**2.6119**
Stddev	.00051	.00029	.00074	.00098	.00238	.00251	.00152	.0305	.00113	.00038	.00028	.00034	.0140
%RSD	.10539	.05572	.07688	.20021	.46833	.50359	23.349	.60505	.23272	.07689	.05556	.07071	.53469
#1	.48632	.51241	.96210	.48698	.50967	.50022	.00758	5.0667	.48323	.48848	.49721	.48757	2.6217
#2	.48705	.51201	.96315	.48836	.50631	.49667	.00543	5.0235	.48482	.48795	.49682	.48806	2.6020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.305**	**1.0473**	**19.008**	**.48655**	**.49735**	**5.1820**	**.49071**	**.99048**	**.98909**	**.00466**	**.97782**	**.98068**	**5.0277**
Stddev	.263	.0044	.003	.00030	.00051	.0280	.00052	.00161	.00171	.00336	.00295	.00153	.0125
%RSD	.54539	.42009	.01605	.06190	.10342	.54002	.10656	.16280	.17317	71.968	.30141	.15565	.24925
#1	48.491	1.0504	19.006	.48677	.49772	5.2018	.49034	.99163	.98787	.00704	.97990	.97960	5.0366
#2	48.119	1.0441	19.010	.48634	.49699	5.1622	.49108	.98934	.99030	.00229	.97573	.98176	5.0188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98839**	**.51370**	**.01139**	**.49151**	**.99358**	**-.01408**	**.48024**	**.48037**	**.50158**
Stddev	.00022	.00259	.00093	.00150	.00144	.01176	.00021	.00016	.00238
%RSD	.02270	.50417	8.1729	.30516	.14532	83.547	.04351	.03371	.47356
#1	.98823	.51553	.01205	.49257	.99256	-.00576	.48009	.48049	.50326
#2	.98855	.51187	.01074	.49045	.99460	-.02239	.48039	.48026	.49990
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5207.9**	**85468.**	**6873.3**
Stddev	8.7	41.	51.9
%RSD	.16732	.04785	.75552
#1	5201.8	85439.	6836.6
#2	5214.1	85497.	6910.1

Sample Name: CCB Acquired: 11/17/2014 3:41:44 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00076**	**.00165**	W **.00242**	**-.00035**	**.00003**	**.00199**	**-.00164**	**.00007**	**.00006**	**-.00046**
Stddev	.00064	.00052	.00196	.00057	.00032	.00005	.00299	.00094	.00006	.00011	.00002
%RSD	130.40	68.560	118.79	23.606	91.342	142.80	149.97	57.221	83.273	198.74	5.3571
#1	.00004	.00112	.00026	.00282	-.00058	.00007	-.00012	-.00098	.00003	-.00002	-.00045
#2	.00095	.00039	.00304	.00201	-.00012	-.00000	.00411	-.00231	.00011	.00014	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00573**	**-.11584**	W **-.00390**	**.00380**	**.00005**	**.00031**	**.01897**	**.00010**	**-.00082**	**-.00200**
Stddev	.00046	.00029	.00452	.00408	.00082	.00002	.00008	.01223	.00018	.00255	.00065
%RSD	353.24	4.9987	3.8980	104.48	21.536	37.715	24.067	64.495	177.41	310.21	32.764
#1	.00019	.00593	-.11265	-.00679	.00438	.00006	.00026	.02762	-.00003	.00098	-.00246
#2	-.00045	.00553	-.11904	-.00102	.00322	.00004	.00037	.01032	.00023	-.00263	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**.00162**	**.00115**	**-.00185**	**.00036**	**.00010**	**-.00056**	**.00001**	**-.00016**	**.01362**	**.00004**
Stddev	.00419	.00143	.00409	.00440	.00082	.00006	.00071	.00011	.00062	.00747	.00007
%RSD	87.957	88.167	356.98	237.81	228.48	64.548	127.00	824.29	400.40	54.859	175.98
#1	.00773	.00263	.00404	-.00496	.00094	.00005	-.00006	-.00007	-.00060	.01891	.00009
#2	.00180	.00061	-.00175	.00126	-.00022	.00014	-.00107	.00009	.00029	.00834	-.00001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00064**	**-.00035**
Stddev	.00054	.00068
%RSD	84.195	192.88
#1	-.00102	-.00083
#2	-.00026	.00013
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5247.5**	**87202.**	**6836.7**
Stddev	4.1	159.	24.6
%RSD	.07851	.18281	.35938
#1	5250.4	87315.	6854.0
#2	5244.6	87089.	6819.3

Sample Name: CCVL2994263 Acquired: 11/17/2014 3:44:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**.11041**	**.01442**	**.10321**	**.01071**	**.00108**	**.11399**	**.21513**	**.00548**	**.01033**	**.01025**	**.01613**
Stddev	.00061	.00024	.00020	.00107	.00008	.00003	.00075	.00235	.00003	.00038	.00022	.00040
%RSD	5.6042	.21681	1.3706	1.0325	.71361	2.6013	.65819	1.0924	.61025	3.6525	2.1530	2.4987
#1	.01126	.11058	.01456	.10397	.01076	.00106	.11346	.21346	.00551	.01060	.01009	.01585
#2	.01040	.11024	.01428	.10246	.01066	.00110	.11452	.21679	.00546	.01007	.01040	.01642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11376**	**3.0589**	**.00987**	**.21331**	**.01065**	**.02087**	**1.1408**	**.04319**	**3.0367**	**.00956**	**.00687**	**.01136**
Stddev	.00005	.0176	.00164	.00045	.00001	.00033	.0128	.00045	.0062	.00143	.00963	.00138
%RSD	.04700	.57399	16.571	.21123	.09157	1.5871	1.1199	1.0332	.20505	14.916	140.15	12.181
#1	.11373	3.0465	.01102	.21363	.01066	.02110	1.1498	.04351	3.0323	.00855	.01368	.01234
#2	.11380	3.0713	.00871	.21299	.01065	.02063	1.1317	.04288	3.0411	.01057	.00006	.01038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01335**	**.52926**	**.10638**	**.01117**	**.01354**	**.01044**	**.01649**	W **.07303**	**.01033**	**.02066**	**.01611**
Stddev	.00128	.00880	.00045	.00009	.00097	.00026	.00128	.00471	.00006	.00091	.00150
%RSD	9.5851	1.6620	.41993	.82231	7.1754	2.4859	7.7389	6.4555	.57103	4.4205	9.2837
#1	.01244	.52304	.10670	.01123	.01422	.01026	.01559	.06969	.01037	.02130	.01716
#2	.01425	.53548	.10607	.01110	.01285	.01062	.01739	.07636	.01029	.02001	.01505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5301.3**	**87959.**	**6911.2**
Stddev	5.4	302.	19.7
%RSD	.10167	.34343	.28573
#1	5305.1	87745.	6897.2
#2	5297.5	88173.	6925.2

Sample Name: MB 280-251532/1-A Acquired: 11/17/2014 3:47:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.01420**	**-.00126**	W **.00937**	**.00086**	**-.00002**	**-.00120**	**.03751**	**.00003**
Stddev	.00030	.00035	.00125	.00018	.00019	.00000	.00206	.00237	.00013
%RSD	55.348	2.4411	98.797	1.9521	21.698	3.8202	171.42	6.3247	378.80
#1	.00074	.01396	-.00038	.00950	.00073	-.00002	-.00265	.03583	.00013
#2	.00033	.01445	-.00215	.00924	.00099	-.00002	.00025	.03919	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500					
Low Limit				-.00500					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00005**	**.00056**	**.01917**	**-.04175**	**-.00285**	**.01461**	**.00037**	**.00026**
Stddev	.00024	.00005	.00016	.00008	.00833	.00073	.00131	.00005	.00009
%RSD	79.496	107.07	28.296	.43002	19.946	25.708	8.9818	12.395	35.244
#1	-.00013	.00009	.00045	.01923	-.03586	-.00234	.01368	.00033	.00019
#2	-.00047	.00001	.00067	.01912	-.04764	-.00337	.01553	.00040	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08009**	**.00041**	F **.01240**	**-.00124**	**.01534**	**-.00017**	**.00385**	W **.09935**	**.00792**
Stddev	.00117	.00029	.00232	.00072	.00431	.00094	.00364	.00115	.00086
%RSD	1.4613	70.795	18.720	57.815	28.072	543.33	94.564	1.1537	10.912
#1	.07926	.00020	.01405	-.00175	.01229	-.00084	.00128	.09854	.00854
#2	.08092	.00061	.01076	-.00073	.01838	.00049	.00643	.10016	.00731
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			.01000					.05000	
Low Limit			-.01000					-.05000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00005**	**.00053**	**-.00165**	**-.00770**	**-.00025**	**.00270**	**.00023**
Stddev	.00001	.00027	.00011	.00013	.01959	.00024	.00004	.00253
%RSD	8.1615	539.67	20.242	7.9692	254.51	95.524	1.3503	1118.2
#1	.00011	.00024	.00045	-.00174	-.02155	-.00008	.00272	-.00156
#2	.00009	-.00014	.00061	-.00155	.00615	-.00042	.00267	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5216.0**	**88082.**	**7072.1**
Stddev	8.0	964.	35.2
%RSD	.15302	1.0945	.49836
#1	5221.7	88764.	7097.0
#2	5210.4	87401.	7047.2

Sample Name: LCS 280-251532/2-A Acquired: 11/17/2014 3:49:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05425**	**2.0307**	**.96538**	F **1.1551**	**2.1011**	**.05104**	**2.0575**	**51.239**	**.09354**
Stddev	.00031	.0051	.00196	.0026	.0002	.00002	.0090	.072	.00013
%RSD	.57203	.24927	.20280	.22889	.00844	.04319	.43733	.13970	.13957
#1	.05447	2.0342	.96399	1.1533	2.1012	.05103	2.0512	51.189	.09363
#2	.05403	2.0271	.96676	1.1570	2.1010	.05106	2.0639	51.290	.09345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000					
Low Limit				.81000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49057**	**.20401**	**.25211**	**1.1243**	**49.847**	**1.0794**	**47.830**	**.49252**	**1.0648**
Stddev	.00072	.00112	.00142	.0045	.097	.0001	.027	.00091	.0003
%RSD	.14699	.54716	.56270	.39814	.19468	.00453	.05649	.18446	.02816
#1	.49108	.20322	.25111	1.1212	49.778	1.0795	47.850	.49316	1.0646
#2	.49006	.20480	.25311	1.1275	49.916	1.0794	47.811	.49188	1.0650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.944**	**.49143**	**10.324**	**.49556**	**1.9793**	**.49679**	**1.9679**	**5.5824**	**2.0083**
Stddev	.065	.00006	.015	.00369	.0077	.00092	.0016	.0053	.0018
%RSD	.12021	.01257	.14196	.74397	.38796	.18553	.08110	.09549	.08786
#1	53.898	.49147	10.314	.49295	1.9847	.49744	1.9668	5.5862	2.0096
#2	53.990	.49138	10.335	.49816	1.9739	.49614	1.9690	5.5787	2.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0551**	**.97848**	**1.0130**	**1.9491**	**2.0359**	**.49649**	**.48513**	**.51101**
Stddev	.0014	.00105	.0004	.0013	.0006	.00086	.00093	.00234
%RSD	.13195	.10684	.04329	.06754	.02990	.17413	.19247	.45867
#1	1.0561	.97922	1.0133	1.9500	2.0363	.49588	.48579	.50935
#2	1.0542	.97774	1.0127	1.9482	2.0354	.49710	.48446	.51267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4992.2**	**83069.**	**6916.1**
Stddev	8.4	417.	58.2
%RSD	.16843	.50145	.84146
#1	4986.2	82775.	6957.3
#2	4998.1	83364.	6875.0

Sample Name: 280-62015-A-14-B Acquired: 11/17/2014 3:52:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**96.859**	**.13178**	**.01768**	**.26610**	**.00250**	**.04215**	**10.181**	**.00447**
Stddev	.00082	.130	.00141	.00003	.00054	.00005	.00361	.027	.00001
%RSD	18.135	.13444	1.0685	.14544	.20298	2.0366	8.5659	.26550	.11568
#1	.00509	96.951	.13079	.01770	.26649	.00254	.03959	10.162	.00446
#2	.00393	96.767	.13278	.01766	.26572	.00247	.04470	10.200	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29433**	**.10051**	**.13809**	**140.50**	**3.2743**	**.14889**	**14.115**	**1.9340**	**.00418**
Stddev	.00080	.00035	.00033	.36	.0297	.00265	.036	.0018	.00049
%RSD	.27211	.34973	.23703	.25799	.90718	1.7819	.25500	.09138	11.772
#1	.29376	.10026	.13832	140.24	3.2953	.14701	14.090	1.9327	.00384
#2	.29489	.10076	.13785	140.76	3.2533	.15076	14.141	1.9352	.00453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48910**	**.13476**	**5.1086**	**.79606**	**20.567**	**.00239**	**.00705**	**2.0813**	**.01640**
Stddev	.00026	.00029	.0021	.00039	.001	.00083	.00018	.0063	.00004
%RSD	.05331	.21532	.04039	.04870	.00473	34.697	2.5509	.30342	.26650
#1	.48928	.13455	5.1100	.79578	20.568	.00298	.00718	2.0769	.01637
#2	.48891	.13496	5.1071	.79633	20.567	.00181	.00692	2.0858	.01644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09510**	**.00941**	**1.8356**	**.00539**	W **-.05942**	**.19893**	**.78148**	**.00577**
Stddev	.00008	.00052	.0002	.00032	.03493	.00013	.00360	.00023
%RSD	.08558	5.5598	.01266	6.0093	58.790	.06414	.46113	3.9763
#1	.09504	.00904	1.8358	.00516	-.03472	.19903	.77893	.00594
#2	.09516	.00979	1.8355	.00561	-.08411	.19884	.78403	.00561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5438.0**	**88969.**	**7428.1**
Stddev	6.9	311.	76.3
%RSD	.12722	.34942	1.0265
#1	5442.9	89189.	7482.1
#2	5433.1	88750.	7374.2

Sample Name: 280-62015-A-14-BSD@5 Acquired: 11/17/2014 3:54:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**19.991**	**.03068**	**.00540**	**.05466**	**.00051**	**.00547**	**2.1113**	**.00102**
Stddev	.00046	.033	.00469	.00031	.00026	.00000	.00306	.0099	.00024
%RSD	70.990	.16642	15.270	5.6490	.47293	.83839	56.006	.47051	23.465
#1	.00032	19.967	.03399	.00562	.05447	.00051	.00330	2.1043	.00085
#2	.00097	20.014	.02737	.00519	.05484	.00050	.00763	2.1183	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06210**	**.02046**	**.02811**	**27.911**	**.60232**	**.02994**	**2.9877**	**.39879**	**.00107**
Stddev	.00047	.00022	.00044	.074	.03370	.00051	.0039	.00065	.00007
%RSD	.74984	1.0630	1.5831	.26601	5.5957	1.7060	.12969	.16390	6.9725
#1	.06177	.02030	.02780	27.859	.57849	.02958	2.9849	.39832	.00112
#2	.06243	.02061	.02842	27.964	.62615	.03030	2.9904	.39925	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09837**	**.02843**	**1.0632**	**.16903**	**4.2844**	**.00096**	**.00309**	**.47861**	**.00454**
Stddev	.00371	.00055	.0028	.00030	.0170	.00043	.00200	.00657	.00072
%RSD	3.7732	1.9514	.26288	.17542	.39711	45.064	64.625	1.3718	15.877
#1	.10100	.02803	1.0612	.16882	4.2724	.00066	.00451	.47396	.00403
#2	.09575	.02882	1.0651	.16924	4.2964	.00127	.00168	.48325	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01950**	**.00301**	**.37328**	**.00119**	**-.01945**	**.04040**	**.16097**	**.00074**
Stddev	.00011	.00132	.00073	.00036	.01063	.00004	.00008	.00031
%RSD	.58980	43.812	.19451	30.200	54.628	.09070	.04963	41.913
#1	.01941	.00394	.37379	.00145	-.02697	.04043	.16102	.00052
#2	.01958	.00208	.37277	.00094	-.01194	.04038	.16091	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5361.2**	**88021.**	**7103.1**
Stddev	5.4	233.	3.9
%RSD	.10030	.26524	.05521
#1	5357.4	88186.	7105.8
#2	5365.0	87856.	7100.3

Sample Name: 280-62015-A-14-C MS Acquired: 11/17/2014 3:57:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05393**	**163.14**	**1.0599**	**.92865**	**2.4730**	**.04970**	**1.9997**	**60.625**	**.09087**
Stddev	.00023	.92	.0092	.00004	.0097	.00014	.0037	.337	.00002
%RSD	.42693	.56562	.86957	.00397	.39180	.27870	.18428	.55561	.02413
#1	.05409	162.48	1.0533	.92867	2.4662	.04960	1.9971	60.387	.09085
#2	.05377	163.79	1.0664	.92862	2.4799	.04980	2.0023	60.863	.09088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70584**	**.32668**	**.38006**	**155.20**	**59.650**	**1.1842**	**60.655**	**2.5722**	**.98600**
Stddev	.00048	.00005	.00165	.59	.269	.0056	.007	.0020	.00169
%RSD	.06868	.01475	.43480	.37916	.45156	.47326	.01088	.07914	.17121
#1	.70618	.32665	.37889	154.78	59.459	1.1803	60.660	2.5736	.98481
#2	.70549	.32672	.38123	155.61	59.840	1.1882	60.651	2.5708	.98720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.912**	**.60726**	**14.483**	**1.0781**	**29.211**	**.27461**	**1.8331**	**6.8606**	**1.7415**
Stddev	.350	.00014	.024	.0033	.025	.00255	.0022	.0893	.0042
%RSD	.68812	.02350	.16455	.30306	.08671	.92834	.11855	1.3017	.24008
#1	50.664	.60736	14.500	1.0758	29.193	.27281	1.8316	6.7975	1.7385
#2	51.160	.60716	14.467	1.0804	29.229	.27642	1.8346	6.9238	1.7444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1546**	**.80807**	**3.9710**	**1.7651**	**1.8272**	**.71636**	**1.1465**	**.35616**
Stddev	.0045	.00484	.0044	.0013	.0380	.00010	.0061	.00217
%RSD	.39040	.59873	.10998	.07163	2.0789	.01431	.53042	.60815
#1	1.1514	.81149	3.9741	1.7660	1.8004	.71629	1.1508	.35463
#2	1.1578	.80465	3.9679	1.7643	1.8541	.71643	1.1422	.35769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5247.5**	**84992.**	**7470.2**
Stddev	4.1	291.	44.4
%RSD	.07814	.34238	.59369
#1	5244.6	84787.	7501.5
#2	5250.4	85198.	7438.8

Sample Name: 280-62015-A-14-D MSD Acquired: 11/17/2014 3:59:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05634**	**168.12**	**1.0472**	**.92990**	**2.5123**	**.05009**	**2.0166**	**61.397**	**.09348**
Stddev	.00041	.74	.0046	.00055	.0054	.00041	.0034	.308	.00012
%RSD	.72743	.43956	.43995	.05921	.21386	.82755	.17053	.50212	.12584
#1	.05605	167.60	1.0505	.92951	2.5085	.04980	2.0142	61.179	.09340
#2	.05663	168.64	1.0440	.93029	2.5161	.05039	2.0190	61.615	.09356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74886**	**.34069**	**.40205**	**166.94**	**59.824**	**1.1987**	**63.756**	**2.6894**	**.98695**
Stddev	.00076	.00091	.00097	.53	.292	.0039	.181	.0041	.00010
%RSD	.10127	.26810	.24217	.31493	.48737	.32528	.28436	.15341	.01016
#1	.74833	.34004	.40274	166.57	59.618	1.1959	63.628	2.6865	.98688
#2	.74940	.34133	.40136	167.31	60.030	1.2015	63.885	2.6923	.98702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.109**	**.61691**	**15.288**	**1.3419**	**23.709**	**.26100**	**1.8377**	**5.1990**	**1.7476**
Stddev	.539	.00054	.012	.0009	.024	.00281	.0078	.0532	.0007
%RSD	1.0546	.08795	.07545	.07037	.10216	1.0780	.42419	1.0232	.04085
#1	50.728	.61653	15.280	1.3426	23.726	.26299	1.8432	5.1614	1.7481
#2	51.491	.61730	15.296	1.3412	23.692	.25901	1.8322	5.2366	1.7471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1627**	**.80543**	**4.3152**	**1.7670**	**1.8908**	**.75104**	**1.3844**	**.33438**
Stddev	.0029	.00553	.0014	.0008	.0111	.00138	.0027	.00249
%RSD	.25303	.68663	.03143	.04505	.58920	.18360	.19172	.74471
#1	1.1606	.80152	4.3143	1.7664	1.8987	.75007	1.3825	.33262
#2	1.1648	.80934	4.3162	1.7676	1.8830	.75202	1.3863	.33615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5275.7**	**85717.**	**7480.5**
Stddev	3.2	501.	104.5
%RSD	.06132	.58391	1.3972
#1	5278.0	86071.	7554.5
#2	5273.4	85363.	7406.6

Sample Name: 280-62015-A-14-B PDS Acquired: 11/17/2014 4:02:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01150**	**96.031**	**.32418**	**.10956**	**.36499**	**.05253**	**.04199**	**30.473**	**.05326**
Stddev	.00006	.113	.00409	.00009	.00002	.00003	.00277	.041	.00024
%RSD	.55010	.11718	1.2602	.07810	.00491	.05696	6.6015	.13521	.44484
#1	.01155	95.952	.32707	.10962	.36498	.05251	.04003	30.444	.05343
#2	.01146	96.111	.32129	.10950	.36501	.05256	.04395	30.502	.05310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33514**	**.14902**	**.18411**	**138.35**	**23.114**	**.25446**	**33.222**	**1.9415**	**.05107**
Stddev	.00025	.00007	.00016	.23	.034	.00000	.072	.0026	.00026
%RSD	.07443	.04516	.08422	.16295	.14872	.00145	.21536	.13541	.51073
#1	.33497	.14907	.18422	138.19	23.090	.25445	33.272	1.9434	.05089
#2	.33532	.14897	.18400	138.51	23.139	.25446	33.171	1.9397	.05125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.695**	**.18095**	**7.0869**	**.86869**	**20.515**	**.09397**	**.20017**	**7.2222**	**.10903**
Stddev	.215	.00044	.0086	.00077	.085	.00128	.00422	.0072	.00066
%RSD	.94802	.24257	.12114	.08884	.41341	1.3672	2.1102	.09921	.60153
#1	22.847	.18064	7.0930	.86924	20.575	.09306	.19719	7.2171	.10949
#2	22.543	.18126	7.0808	.86815	20.455	.09488	.20316	7.2273	.10856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14626**	**.20726**	**1.8696**	**.20091**	**.44673**	**.24838**	**.96306**	**.05443**
Stddev	.00004	.00005	.0032	.00281	.01311	.00001	.00235	.00065
%RSD	.02559	.02304	.17081	1.3969	2.9348	.00520	.24358	1.1910
#1	.14629	.20729	1.8719	.19893	.45600	.24839	.96472	.05488
#2	.14623	.20723	1.8673	.20290	.43746	.24838	.96140	.05397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5322.8**	**86968.**	**7345.1**
Stddev	22.7	299.	67.5
%RSD	.42577	.34411	.91856
#1	5338.8	86757.	7392.8
#2	5306.8	87180.	7297.4

ICP Data Review Checklist 253602

TALS BATCH NUMBER: 253599, 253601, 253602	**Earliest due date:** 11/16/14	
Run Date: 11/17/14	**Analyst:** Laura Broaddus	**Instrument:** MT_26
QC programs/Methods Run: 6010C, 6010B, 200.7		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, DODV4, DODV5, AFCEE 4.0, 6010C?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < 1/2 RL or < 2X MDL (DOD V3, AFCEE 4.0)? Was it less than the LODV (DODV4 & DODV5)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / DoD V4 / DoD V5 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+- 30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or < RL std work or < 2X RL 6010C, DOD V4, DOD V5)	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. For DOD, were samples with concentrations > the daily linear range for any parameter diluted and reanalyzed?	✓			✓
3. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: Laura Broaddus **Date:** 11/18/14

Comments:

2nd Level Reviewer: [signature] **Date:** 11/19/14

Comments:

Sample Name: ICIS Acquired: 11/17/2014 10:55:45 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00205**	**.00319**	**.01532**	**-.00012**	**.00142**	**.00756**	**-.00023**	**-.00098**	**.00884**	**-.00009**	**.00050**	**-.00067**
Stddev	.00011	.00002	.00007	.00006	.00003	.00084	.00056	.00013	.00096	.00032	.00000	.00007
%RSD	5.2445	.53734	.42929	52.318	2.1801	11.086	244.63	13.027	10.825	343.04	.64932	10.179
#1	-.00212	.00320	.01527	-.00017	.00144	.00815	.00017	-.00089	.00952	-.00032	.00050	-.00072
#2	-.00197	.00317	.01536	-.00008	.00140	.00697	-.00063	-.00107	.00816	.00013	.00051	-.00063

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00193**	**.00002**	**.00110**	**-.01280**	**-.00266**	**-.00002**	**.00002**	**.00013**	**-.00516**	**-.01348**	**-.00065**	**.00010**
Stddev	.00003	.00036	.00010	.00110	.00035	.00002	.00002	.00002	.00039	.00046	.00025	.00001
%RSD	1.5065	2115.4	9.2664	8.6253	13.265	120.18	109.21	14.581	7.5870	3.4058	38.570	10.323
#1	.00195	-.00024	.00103	-.01359	-.00291	-.00000	.00000	.00015	-.00488	-.01380	-.00048	.00010
#2	.00191	.00027	.00118	-.01202	-.00241	-.00004	.00003	.00012	-.00543	-.01315	-.00083	.00011

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00030**	**-.00036**	**-.00016**	**.00017**	**.00090**	**.00001**	**-.00273**	**-.00031**	**-.00032**	**-.00049**	**-.00017**	**.00020**
Stddev	.00016	.00001	.00001	.00005	.00005	.00008	.00136	.00000	.00013	.00001	.00004	.00003
%RSD	54.232	3.4273	6.6409	30.869	5.3486	588.25	50.030	1.1394	42.106	1.6735	23.607	13.875
#1	.00019	-.00035	-.00016	.00013	.00087	-.00004	-.00176	-.00031	-.00022	-.00050	-.00014	.00018
#2	.00042	-.00037	-.00015	.00020	.00094	.00007	-.00369	-.00031	-.00041	-.00048	-.00020	.00022

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00002**	**-.00132**
Stddev	.00000	.00032
%RSD	18.305	24.293
#1	.00002	-.00155
#2	.00002	-.00110

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5055.1**	**82712.**	**6339.9**
Stddev	5.1	95.	18.8
%RSD	.10070	.11475	.29685
#1	5058.7	82645.	6353.2
#2	5051.5	82779.	6326.6

Sample Name: IC1 Acquired: 11/17/2014 10:58:28 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.20973**	**.11966**	**.08671**	**.31921**	**6.2644**	**7.1495**	**1.8741**	**1.6714**	**.92212**	**.87996**	**.29974**	**.68478**	**4.9314**
Stddev	.00036	.00056	.00009	.00017	.0142	.0040	.0045	.0024	.00105	.00009	.00013	.00143	.0072
%RSD	.17207	.46391	.10263	.05294	.22678	.05536	.24080	.14093	.11379	.01044	.04388	.20930	.14638
#1	.20948	.12005	.08678	.31910	6.2543	7.1467	1.8709	1.6697	.92286	.87989	.29983	.68377	4.9263
#2	.20999	.11927	.08665	.31933	6.2744	7.1523	1.8773	1.6731	.92138	.88002	.29964	.68580	4.9365

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.3152**	**.67116**	**.98416**	**.43878**	**2.1363**	**.69484**	**.07045**	**.48359**	**.19534**	**.07710**	**.31045**	**.21874**	**11.230**
Stddev	.0089	.00072	.00005	.00049	.0066	.00081	.00003	.00103	.00067	.00009	.00010	.00062	.033
%RSD	.38532	.10751	.00498	.11243	.31030	.11712	.03672	.21385	.34506	.11574	.03321	.28469	.29562
#1	2.3089	.67167	.98420	.43913	2.1316	.69541	.07046	.48286	.19486	.07717	.31052	.21918	11.206
#2	2.3215	.67065	.98413	.43844	2.1410	.69426	.07043	.48432	.19581	.07704	.31038	.21830	11.253

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.28780**	**.16072**	**.18325**	**.02182**	**.38791**
Stddev	.00006	.00036	.00035	.00003	.00151
%RSD	.01987	.22479	.19023	.13218	.38822
#1	.28776	.16046	.18301	.02180	.38684
#2	.28784	.16097	.18350	.02184	.38897

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4984.7**	**80856.**	**6359.2**
Stddev	11.2	64.	6.4
%RSD	.22520	.07855	.10074
#1	4976.7	80901.	6363.8
#2	4992.6	80811.	6354.7

Sample Name: IC2 Acquired: 11/17/2014 11:00:56 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.4435**	**.23764**	**.77357**	**3.0947**	**.21360**	**.43920**	**.09361**
Stddev	.0170	.00060	.00112	.0076	.00079	.00067	.00027
%RSD	.38283	.25201	.14466	.24416	.37052	.15333	.28561
#1	4.4315	.23722	.77278	3.0894	.21416	.43873	.09342
#2	4.4556	.23807	.77437	3.1001	.21304	.43968	.09380

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4794.3**	**77799.**	**6316.7**
Stddev	2.8	7.	21.8
%RSD	.05803	.00930	.34484
#1	4792.4	77804.	6332.1
#2	4796.3	77794.	6301.3

Sample Name: s1-2984585 Acquired: 11/17/2014 11:03:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99630**	F **1.2573**	**2.0041**	**1.0011**	**1.0081**	**1.0011**	**.02086**	**10.050**	**1.0003**	**.99867**	**.99864**	**1.0011**
Stddev	.00019	.0022	.0014	.0019	.0012	.0019	.00304	.004	.0000	.00049	.00132	.0004
%RSD	.01905	.17768	.07023	.18825	.11865	.18489	14.567	.04136	.00012	.04871	.13211	.03733
#1	.99616	1.2589	2.0051	.99980	1.0090	1.0024	.02301	10.048	1.0003	.99901	.99957	1.0008
#2	.99643	1.2557	2.0031	1.0025	1.0073	.99975	.01871	10.053	1.0003	.99832	.99771	1.0013
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		1.0000										
Range		5.0000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.2868**	**99.984**	**2.0123**	**39.962**	**1.0009**	**1.0047**	F **11.659**	**.99906**	**2.0063**	**2.0025**	**.00514**	**1.9932**
Stddev	.0188	.050	.0007	.024	.0021	.0001	.049	.00270	.0053	.0013	.00030	.0036
%RSD	.35482	.04968	.03658	.05983	.21243	.00721	.42315	.27060	.26205	.06343	5.9132	.18151
#1	5.3001	100.02	2.0128	39.979	1.0024	1.0047	11.624	1.0010	2.0026	2.0034	.00536	1.9958
#2	5.2735	99.949	2.0117	39.945	.99944	1.0048	11.693	.99715	2.0100	2.0016	.00493	1.9907
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	5.0000						10.000					
Range	5.0000%						5.0000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9997**	**9.9922**	**2.0027**	**1.0036**	**.07142**	**1.0022**	**1.9988**	**.05653**	**.99471**	**1.0025**	**1.0016**
Stddev	.0056	.0495	.0035	.0014	.00066	.0006	.0004	.01806	.00387	.0007	.0050
%RSD	.27794	.49497	.17549	.14350	.92215	.05873	.02227	31.942	.38913	.07366	.50104
#1	1.9958	9.9572	2.0052	1.0046	.07095	1.0026	1.9985	.06930	.99744	1.0031	1.0051
#2	2.0036	10.027	2.0002	1.0026	.07188	1.0018	1.9991	.04376	.99197	1.0020	.99803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4995.0**	**81051.**	**6329.5**
Stddev	12.7	144.	7.6
%RSD	.25439	.17729	.12055
#1	4986.0	81153.	6334.8
#2	5004.0	80950.	6324.1

Sample Name: s2-2982967 Acquired: 11/17/2014 11:06:05 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01421**	**99.484**	**-.00011**	**.00439**	**.00150**	**.00015**	**1.9861**	**-.07381**	**-.00092**	**.00331**	**.00075**	**-.00385**	**99.582**
Stddev	.00102	.224	.00104	.00036	.00008	.00007	.0098	.00019	.00012	.00009	.00003	.00025	.065
%RSD	7.2137	.22535	935.17	8.2865	5.6340	44.772	.49505	.26404	13.144	2.6179	4.3218	6.3676	.06538
#1	.01348	99.326	-.00085	.00465	.00144	.00010	1.9931	-.07394	-.00100	.00337	.00077	-.00403	99.536
#2	.01493	99.643	.00063	.00413	.00156	.00019	1.9792	-.07367	-.00083	.00325	.00072	-.00368	99.628
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15724**	**.00483**	**.27329**	**-.00620**	**-.00288**	**496.68**	**.00212**	**.00338**	**.00592**	**10.009**	**-.00211**	**.00215**	**-.00670**
Stddev	.00505	.00228	.00328	.00005	.00024	.33	.00026	.00010	.00058	.075	.00080	.00437	.00521
%RSD	3.2134	47.162	1.1994	.84466	8.4801	.06587	12.166	3.0483	9.8172	.74644	37.762	203.32	77.763
#1	.15367	.00644	.27561	-.00624	-.00271	496.45	.00194	.00330	.00633	10.062	-.00154	-.00094	-.01038
#2	.16081	.00322	.27097	-.00617	-.00306	496.91	.00231	.00345	.00551	9.9561	-.00267	.00524	-.00302
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00078**	**9.8152**	**-.04976**	**.00203**	**19.878**	**.00877**	**-.00048**	**-.07337**
Stddev	.00020	.00000	.0005	.00019	.00017	.001	.00068	.00011	.00149
%RSD	5.8594	.24027	.00474	.38769	8.5447	.00566	7.7099	22.493	2.0336
#1	.00335	.00078	9.8149	-.04989	.00191	19.878	.00925	-.00040	-.07232
#2	.00364	.00078	9.8156	-.04962	.00215	19.879	.00830	-.00056	-.07443
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4786.9**	**78303.**	**6359.6**
Stddev	5.6	203.	2.4
%RSD	.11757	.25958	.03833
#1	4790.8	78159.	6357.9
#2	4782.9	78447.	6361.3

Sample Name: s1-2984585 Acquired: 11/17/2014 11:09:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0043**	**1.0252**	**1.9987**	**1.0017**	**1.0057**	**1.0033**	**.01864**	**10.057**	**.99529**	**.99666**	**.99601**	**.99583**
Stddev	.0053	.0029	.0040	.0011	.0018	.0015	.00321	.014	.00135	.00058	.00001	.00185
%RSD	.52439	.28248	.20220	.10589	.17522	.14569	17.243	.14300	.13559	.05792	.00127	.18566
#1	1.0080	1.0273	2.0016	1.0025	1.0045	1.0023	.01637	10.067	.99625	.99625	.99602	.99714
#2	1.0006	1.0232	1.9958	1.0010	1.0070	1.0044	.02091	10.046	.99434	.99706	.99600	.99452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0739**	**100.10**	**2.0088**	**40.022**	**1.0057**	**1.0084**	**10.321**	F **10.554**	**.99781**	**1.9937**	**1.9976**	**-.01747**
Stddev	.0023	.06	.0019	.245	.0067	.0005	.007	.271	.00045	.0040	.0007	.00422
%RSD	.04583	.05914	.09437	.61180	.66716	.04926	.06324	2.5630	.04489	.20238	.03379	24.149
#1	5.0755	100.06	2.0075	40.195	1.0104	1.0081	10.316	10.363	.99750	1.9966	1.9971	-.01449
#2	5.0722	100.14	2.0102	39.849	1.0010	1.0088	10.325	10.746	.99813	1.9909	1.9981	-.02046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value								10.000				
Range								5.0000%				

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9951**	**2.0179**	**9.9899**	**2.0102**	**.99995**	**.04879**	**1.0069**	**2.0038**	**-.02203**	**1.0012**	**1.0052**	**1.0027**
Stddev	.0082	.0017	.0140	.0025	.00063	.00112	.0086	.0016	.00378	.0081	.0096	.0014
%RSD	.41185	.08634	.14048	.12349	.06347	2.2924	.85546	.08047	17.182	.81233	.95880	.13714
#1	2.0009	2.0192	9.9800	2.0120	.99950	.04958	1.0130	2.0026	-.02470	1.0069	1.0120	1.0017
#2	1.9893	2.0167	9.9998	2.0085	1.0004	.04800	1.0008	2.0049	-.01935	.99544	.99841	1.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4982.3**	**80914.**	**6382.1**
Stddev	3.5	474.	.1
%RSD	.06976	.58550	.00188
#1	4984.8	80579.	6382.2
#2	4979.9	81249.	6382.1

Sample Name: icvh-2991197 Acquired: 11/17/2014 11:14:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00397**	**40.687**	**-.00121**	**.00039**	**.00023**	**.00018**	**.51988**	**-.01989**	**-.00011**	**.00090**	**.00013**	**-.00100**	**80.835**
Stddev	.00045	.087	.00190	.00094	.00008	.00000	.00184	.00128	.00002	.00007	.00022	.00023	.270
%RSD	11.236	.21476	157.47	241.94	33.173	2.1984	.35404	6.4518	16.009	7.3869	174.21	22.722	.33442
#1	.00366	40.625	-.00255	-.00028	.00018	.00018	.51858	-.02079	-.00012	.00086	.00028	-.00117	80.644
#2	.00429	40.748	.00014	.00105	.00029	.00018	.52119	-.01898	-.00010	.00095	-.00003	-.00084	81.026
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03274**	**-.00001**	**.09608**	**-.00112**	**-.00129**	**40.836**	**.00189**	**.00186**	**.00219**	**3.9281**	**.00080**	**-.00085**	**-.01054**
Stddev	.07402	.00085	.00343	.00002	.00001	.018	.00010	.00169	.00046	.0188	.00074	.00474	.01232
%RSD	226.12	8858.4	3.5689	1.5633	.75188	.04425	5.3996	90.649	20.977	.47831	92.552	553.99	116.95
#1	.08508	-.00061	.09850	-.00111	-.00129	40.849	.00182	.00067	.00187	3.9148	.00132	.00249	-.01925
#2	-.01961	.00059	.09365	-.00113	-.00128	40.823	.00197	.00305	.00252	3.9414	.00027	-.00420	-.00182
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00030**	**2.8833**	**-.01474**	**.00240**	**5.1271**	**.00293**	**-.00039**	**-.02236**
Stddev	.00035	.00006	.0029	.00044	.00042	.0654	.00039	.00039	.00053
%RSD	29.222	18.875	.10158	2.9853	17.427	1.2765	13.321	99.409	2.3902
#1	.00144	.00026	2.8812	-.01505	.00210	5.1734	.00321	-.00012	-.02199
#2	.00095	.00033	2.8854	-.01442	.00270	5.0808	.00266	-.00067	-.02274
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5167.2**	**83079.**	**6468.0**
Stddev	2.8	134.	8.7
%RSD	.05384	.16126	.13457
#1	5165.3	82985.	6474.1
#2	5169.2	83174.	6461.8

Sample Name: icv-2994656 Acquired: 11/17/2014 11:18:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25610**	W **.26258**	**.24120**	**.25192**	**.25045**	**.24424**	**.00287**	**1.9933**	**.25313**	**.25024**	**.24556**	**.24935**
Stddev	.00059	.00247	.00098	.00170	.00058	.00145	.00106	.0115	.00019	.00023	.00092	.00071
%RSD	.23116	.94210	.40678	.67582	.23253	.59478	36.759	.57819	.07696	.09310	.37430	.28280
#1	.25652	.26083	.24051	.25071	.25004	.24321	.00362	1.9851	.25300	.25008	.24491	.24985
#2	.25569	.26433	.24190	.25312	.25086	.24526	.00213	2.0014	.25327	.25041	.24621	.24885
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.0000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26120**	**19.832**	**.25494**	**10.080**	**.24959**	**.25050**	**2.0438**	**.25081**	**2.0104**	**.25704**	**-.00650**	**.25535**
Stddev	.00271	.119	.00080	.013	.00001	.00015	.0077	.00040	.0016	.00136	.00237	.00122
%RSD	1.0390	.59839	.31559	.12459	.00314	.05987	.37599	.15849	.07962	.52929	36.490	.47621
#1	.25928	19.748	.25437	10.089	.24959	.25039	2.0383	.25053	2.0092	.25608	-.00483	.25449
#2	.26312	19.916	.25551	10.071	.24960	.25061	2.0492	.25109	2.0115	.25800	-.00818	.25621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49714**	**1.9829**	**.51392**	**.24932**	**.01374**	**.24814**	**.51744**	**.00500**	**.24391**	**.24522**	**.24412**
Stddev	.00125	.0103	.00068	.00071	.00097	.00172	.00167	.03046	.00008	.00016	.00052
%RSD	.25194	.51750	.13248	.28374	7.0588	.69135	.32318	609.76	.03255	.06418	.21478
#1	.49626	1.9756	.51441	.24882	.01443	.24692	.51626	.02654	.24385	.24533	.24375
#2	.49803	1.9901	.51344	.24982	.01305	.24935	.51863	-.01655	.24396	.24511	.24449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5080.5**	**83780.**	**6579.2**
Stddev	1.9	80.	2.4
%RSD	.03775	.09571	.03666
#1	5079.1	83837.	6580.9
#2	5081.8	83724.	6577.5

Sample Name: icvl-2994499 Acquired: 11/17/2014 11:22:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.10443**	**.01625**	**.10015**	**.01069**	**.00104**	**.11358**	**.20660**	**.00534**	**.01075**	**.00998**	**.01552**
Stddev	.00085	.00019	.00089	.00053	.00024	.00005	.00329	.00275	.00005	.00012	.00028	.00001
%RSD	7.7314	.17904	5.4641	.52586	2.2258	5.1466	2.8929	1.3318	.87074	1.1551	2.8186	.06295
#1	.01154	.10456	.01688	.10052	.01086	.00100	.11126	.20855	.00531	.01084	.00978	.01551
#2	.01034	.10430	.01563	.09978	.01052	.00108	.11590	.20466	.00537	.01066	.01018	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10451**	**3.1340**	**.01144**	**.21392**	**.01041**	**.02029**	**1.0702**	**.04138**	**2.9034**	W **.01102**	**-.00275**	W **.00722**
Stddev	.00086	.0722	.00001	.00279	.00001	.00031	.0153	.00008	.0036	.00009	.00141	.00030
%RSD	.82012	2.3049	.06478	1.3035	.12185	1.5308	1.4253	.19343	.12262	.84348	51.115	4.0903
#1	.10390	3.1851	.01144	.21589	.01041	.02051	1.0810	.04144	2.9009	.01095	-.00176	.00701
#2	.10511	3.0829	.01145	.21195	.01040	.02007	1.0594	.04132	2.9059	.01108	-.00374	.00743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Warn
Value										.00900		.01000
Range										20.000%		-20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01792**	**.50777**	**.10185**	**.01025**	W **.01803**	**.01056**	**.01769**	W **.07582**	**.00971**	**.01985**	**.01376**
Stddev	.00353	.00556	.00020	.00001	.00215	.00021	.00188	.01360	.00014	.00055	.00013
%RSD	19.713	1.0946	.19854	.09499	11.934	1.9518	10.648	17.937	1.4438	2.7849	.92948
#1	.02042	.51170	.10170	.01025	.01651	.01071	.01636	.08543	.00981	.02024	.01367
#2	.01542	.50384	.10199	.01024	.01955	.01042	.01903	.06620	.00962	.01946	.01385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5128.6**	**84730.**	**6511.1**
Stddev	15.3	207.	6.8
%RSD	.29918	.24384	.10520
#1	5139.5	84584.	6506.2
#2	5117.8	84877.	6515.9

Sample Name: ccvh-2982968 Acquired: 11/17/2014 11:25:21 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: .

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00754**	**49.799**	**-.00349**	**.00070**	**.00050**	**-.00005**	**1.0061**	**-.04064**	**-.00030**	**.00166**	**.00018**	**-.00188**	**49.754**
Stddev	.00002	.106	.00237	.00132	.00028	.00004	.0032	.00267	.00008	.00009	.00013	.00030	.169
%RSD	.31689	.21318	68.013	187.93	56.683	81.679	.31267	6.5669	27.891	5.1713	74.979	16.144	.33934
#1	.00755	49.724	-.00181	.00164	.00030	-.00002	1.0039	-.04253	-.00024	.00172	.00027	-.00166	49.635
#2	.00752	49.874	-.00516	-.00023	.00070	-.00009	1.0083	-.03876	-.00036	.00160	.00008	-.00209	49.873
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03130**	**.00323**	**.13148**	**-.00309**	**-.00185**	**247.50**	**.00125**	**.00234**	**.00443**	**4.9646**	**-.00238**	**-.00347**	**-.01153**
Stddev	.02953	.00009	.00000	.00004	.00022	.49	.00033	.00063	.00133	.0058	.00127	.00205	.00479
%RSD	94.332	2.9274	.00237	1.2135	11.640	.19851	26.583	26.960	29.911	.11676	53.288	59.252	41.551
#1	.01042	.00329	.13148	-.00312	-.00200	247.15	.00149	.00278	.00350	4.9605	-.00148	-.00201	-.01492
#2	.05218	.00316	.13148	-.00307	-.00170	247.84	.00102	.00189	.00537	4.9687	-.00328	-.00492	-.00814
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00027**	**4.8049**	**-.02438**	**.00220**	**9.8662**	**.00437**	**-.00048**	**-.03560**
Stddev	.00078	.00001	.0068	.00004	.00163	.0375	.00063	.00073	.00063
%RSD	55.333	4.9287	.14102	.16408	74.473	.38044	14.345	151.65	1.7679
#1	.00195	.00028	4.8001	-.02435	.00335	9.8927	.00393	-.00100	-.03516
#2	.00085	.00026	4.8097	-.02441	.00104	9.8396	.00482	.00003	-.03605
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4922.9**	**80444.**	**6451.6**
Stddev	11.2	38.	47.7
%RSD	.22779	.04705	.73918
#1	4914.9	80471.	6485.3
#2	4930.8	80417.	6417.9

Sample Name: ccv-2984587 Acquired: 11/17/2014 11:27:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49749**	**.51005**	**.98924**	**.50027**	**.50448**	**.48993**	**.00817**	**4.9631**	**.49636**	**.49733**	**.49356**	**.49856**	**2.5082**
Stddev	.00185	.00077	.00242	.00087	.00134	.00121	.00257	.0066	.00028	.00029	.00022	.00137	.0115
%RSD	.37176	.15159	.24455	.17441	.26630	.24657	31.468	.13408	.05619	.05751	.04435	.27463	.45798
#1	.49879	.50950	.99095	.49965	.50353	.48907	.00999	4.9584	.49655	.49753	.49372	.49952	2.5001
#2	.49618	.51059	.98753	.50089	.50543	.49078	.00635	4.9678	.49616	.49713	.49341	.49759	2.5164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.993**	**1.0175**	**19.726**	**.49447**	**.49908**	**5.1610**	**.49787**	**.98487**	**1.0060**	**-.00706**	**.99917**	**1.0078**	**4.8959**
Stddev	.108	.0003	.056	.00136	.00021	.0167	.00028	.00403	.0003	.00074	.00309	.0037	.0179
%RSD	.22010	.03290	.28158	.27431	.04170	.32275	.05536	.40969	.03089	10.540	.30932	.36313	.36606
#1	48.916	1.0178	19.765	.49543	.49893	5.1492	.49767	.98202	1.0058	-.00653	1.0014	1.0052	4.9086
#2	49.069	1.0173	19.687	.49351	.49922	5.1727	.49806	.98772	1.0062	-.00758	.99699	1.0104	4.8832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99776**	**.49901**	**.02607**	**.49297**	**1.0126**	**.00322**	**.48796**	**.48746**	**.49277**
Stddev	.00292	.00097	.00181	.00102	.0032	.00617	.00110	.00089	.00262
%RSD	.29226	.19393	6.9418	.20592	.31505	191.54	.22519	.18207	.53124
#1	.99982	.49832	.02735	.49369	1.0148	-.00114	.48874	.48809	.49092
#2	.99569	.49969	.02479	.49225	1.0103	.00759	.48719	.48683	.49462
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5057.7**	**83288.**	**6563.3**
Stddev	3.4	34.	8.8
%RSD	.06716	.04089	.13337
#1	5060.1	83264.	6557.1
#2	5055.3	83312.	6569.5

Sample Name: ICB Acquired: 11/17/2014 11:31:24 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00699**	**.00138**	**.00014**	**.00023**	**.00008**	**-.00166**	**.00002**	**.00003**	**.00002**	**.00017**	**.00012**	**.00349**
Stddev	.00015	.00111	.00173	.00003	.00004	.00009	.00115	.00204	.00000	.00002	.00012	.00031	.00094
%RSD	22.743	15.831	125.10	19.172	18.709	117.20	69.284	10763.	16.650	132.38	74.336	254.02	26.946
#1	.00054	.00777	.00016	.00012	.00020	.00014	-.00248	.00146	.00002	.00000	.00025	-.00010	.00416
#2	.00074	.00620	.00260	.00016	.00026	.00001	-.00085	-.00143	.00003	.00003	.00008	.00034	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03098**	**.00121**	**.00172**	**.00009**	**.00034**	**.03798**	**-.00028**	**.00036**	**.00057**	**.00771**	**.00087**	**.00367**	**.00027**
Stddev	.03692	.00024	.00045	.00006	.00032	.02290	.00011	.00156	.00025	.00200	.00082	.00109	.01386
%RSD	119.18	20.234	26.023	60.905	96.174	60.296	39.724	429.85	43.553	25.879	94.149	29.803	5110.4
#1	.05708	.00138	.00140	.00013	.00057	.05418	-.00036	.00146	.00040	.00912	.00029	.00444	.01007
#2	.00487	.00103	.00203	.00005	.00011	.02179	-.00020	-.00074	.00075	.00630	.00144	.00289	-.00953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00002**	**.00192**	**.00021**	**.00158**	**-.00437**	**-.00030**	**.00053**	**.00019**
Stddev	.00040	.00003	.00171	.00046	.00071	.00751	.00009	.00033	.00169
%RSD	125.42	123.08	89.130	215.10	44.685	171.78	28.663	62.738	892.62
#1	-.00060	.00000	.00071	.00054	.00108	.00094	-.00036	.00077	.00139
#2	-.00004	.00005	.00313	-.00011	.00208	-.00968	-.00024	.00029	-.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5071.9**	**83983.**	**6473.0**
Stddev	5.4	57.	22.8
%RSD	.10681	.06789	.35172
#1	5075.8	84023.	6489.1
#2	5068.1	83942.	6456.9

Sample Name: cri-2994503 Acquired: 11/17/2014 11:35:01 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00965**	**.10891**	**.00911**	**.10074**	**.00530**	**.00100**	**.10882**	**.20485**	**.00519**	**.00511**	**.01012**	**.01017**
Stddev	.00056	.00124	.00325	.00074	.00022	.00000	.00101	.00257	.00013	.00019	.00005	.00028
%RSD	5.8374	1.1354	35.690	.73149	4.2328	.41779	.92488	1.2528	2.4515	3.6289	.44546	2.7338
#1	.01005	.10979	.00681	.10022	.00545	.00100	.10810	.20666	.00510	.00498	.01015	.01037
#2	.00926	.10804	.01140	.10127	.00514	.00100	.10953	.20303	.00528	.00524	.01009	.00997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03546**	**1.0227**	**.01142**	**.21562**	**.00316**	**.01043**	**1.0505**	**.01016**	**.97620**	**.00293**	**.09904**	**.00916**
Stddev	.00120	.0152	.00069	.00240	.00005	.00043	.0044	.00020	.00279	.00087	.00522	.00086
%RSD	3.3900	1.4847	6.0814	1.1153	1.4830	4.0925	.41952	1.9937	.28569	29.765	5.2697	9.4454
#1	.03631	1.0335	.01191	.21392	.00319	.01013	1.0536	.01030	.97423	.00232	.10273	.00977
#2	.03461	1.0120	.01093	.21732	.00313	.01073	1.0474	.01002	.97818	.00355	.09535	.00854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01206**	**.52695**	**.02118**	**.00515**	W **.01269**	**.01029**	**.01107**	W **.08355**	**.01053**	**.00982**	**.00824**
Stddev	.00107	.00540	.00082	.00001	.00008	.00044	.00124	.00373	.00059	.00036	.00186
%RSD	8.8627	1.0251	3.8662	.18188	.62530	4.2597	11.243	4.4699	5.6283	3.6984	22.536
#1	.01131	.53077	.02060	.00516	.01275	.01060	.01019	.08091	.01095	.00957	.00693
#2	.01282	.52313	.02176	.00515	.01263	.00998	.01195	.08619	.01011	.01008	.00956
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value	.01000				.01000			.06000			
Range	20.000%				20.000%			20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5111.8**	**84201.**	**6543.3**
Stddev	4.3	334.	7.4
%RSD	.08445	.39644	.11273
#1	5108.7	84437.	6538.1
#2	5114.8	83965.	6548.6

Sample Name: cri-2995032 Acquired: 11/17/2014 11:43:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00357**	**-.00075**	**-.00072**	**.00023**	**-.00002**	**-.00280**	**-.00521**	**.00031**
Stddev	.00062	.00134	.00139	.00014	.00041	.00007	.00159	.00082	.00021
%RSD	143.13	37.590	184.59	19.239	178.51	409.98	56.698	15.703	67.150
#1	.00086	-.00452	.00023	-.00063	-.00006	.00003	-.00392	-.00463	.00016
#2	-.00001	-.00262	-.00174	-.00082	.00051	-.00007	-.00168	-.00579	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00016**	**-.00031**	**-.00141**	**.01425**	**.00090**	**.00201**	**.00014**	**.00002**
Stddev	.00016	.00027	.00052	.00041	.02302	.00100	.00017	.00003	.00004
%RSD	125.12	168.78	166.27	29.116	161.49	110.99	8.2861	18.637	183.76
#1	-.00001	.00003	-.00068	-.00171	-.00202	.00019	.00189	.00012	-.00001
#2	-.00023	-.00036	.00006	-.00112	.03053	.00161	.00213	.00015	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00779**	**-.00053**	**.00015**	**-.00013**	**-.00033**	**-.00097**	**.01165**	**-.01160**	**-.00097**
Stddev	.00095	.00041	.00138	.00026	.00039	.00283	.00261	.01679	.00054
%RSD	12.231	78.104	912.31	206.64	118.25	290.62	22.438	144.69	55.288
#1	-.00846	-.00082	-.00083	.00006	-.00060	.00103	.01350	-.02347	-.00059
#2	-.00711	-.00024	.00113	-.00031	-.00005	-.00298	.00980	.00027	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.01256**	**.00004**	**-.00092**	**-.00770**	**-.00051**	**.00050**	**-.00110**
Stddev	.00001	.00058	.00004	.00070	.01368	.00015	.00026	.00090
%RSD	30.077	4.6020	103.37	75.745	177.80	30.547	52.198	81.594
#1	.00004	.01297	.00001	-.00141	-.01737	-.00062	.00069	-.00173
#2	.00006	.01215	.00006	-.00043	.00198	-.00040	.00032	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.9**	**82931.**	**6426.0**
Stddev	2.6	83.	47.5
%RSD	.05224	.09985	.73911
#1	5036.7	82990.	6392.4
#2	5033.0	82873.	6459.6

Sample Name: icsa-2991198 Acquired: 11/17/2014 11:51:07 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**510.38**	**.00178**	**.00128**	**.00031**	**.00006**	**-.00079**	**469.93**	F **.00106**	**-.00085**	F **.00226**	F **.00283**
Stddev	.00071	.57	.00499	.00053	.00012	.00004	.00210	9.20	.00002	.00049	.00008	.00018
%RSD	2851.9	.11140	280.37	40.997	37.365	71.628	266.13	1.9575	1.6861	57.699	3.5140	6.3693
#1	-.00053	509.98	-.00175	.00091	.00023	.00008	.00069	463.42	.00105	-.00050	.00231	.00295
#2	.00048	510.79	.00531	.00166	.00039	.00003	-.00227	476.43	.00108	-.00119	.00220	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
High Limit									.00080		.00123	.00272
Low Limit									-.00080		-.00132	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.82**	**-.06199**	**-.00031**	**513.96**	F **.00089**	**-.00260**	**.04025**	F **.00492**	**-.00997**	**-.00067**	**-.13691**	**-.00013**
Stddev	.17	.01420	.00146	.68	.00004	.00010	.00228	.00005	.00255	.00152	.00278	.00159
%RSD	.08941	22.907	464.42	.13285	4.7659	3.8222	5.6766	1.0089	25.550	226.98	2.0279	1224.6
#1	187.70	-.07203	-.00135	514.44	.00086	-.00253	.04186	.00496	-.01177	.00041	-.13887	.00099
#2	187.93	-.05195	.00072	513.48	.00092	-.00267	.03863	.00489	-.00817	-.00175	-.13494	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
High Limit					.00051			.00258				
Low Limit					-.00051			-.00258				

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.02656**	**-.00194**	F **.00440**	**-.00908**	W **.00083**	W **.00802**	**.15295**	**.00102**	**-.00004**	**-.00079**
Stddev	.00090	.00440	.00129	.00005	.00328	.00017	.00163	.01551	.00040	.00038	.00051
%RSD	151.81	16.565	66.589	1.1136	36.102	20.448	20.287	10.138	39.290	977.43	63.773
#1	.00004	.02345	-.00102	.00444	-.00676	.00071	.00917	.14199	.00074	-.00031	-.00115
#2	-.00123	.02967	-.00285	.00437	-.01139	.00095	.00687	.16392	.00130	.00023	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00060		.00060	.00491				
Low Limit				-.00060		-.00060	-.00491				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4479.5**	**71463.**	**6229.9**
Stddev	5.2	177.	46.4
%RSD	.11500	.24754	.74532
#1	4483.1	71337.	6197.1
#2	4475.8	71588.	6262.8

Sample Name: icsab-2980595 Acquired: 11/17/2014 11:55:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0916**	**502.51**	**1.9521**	**1.9005**	**.50843**	**.47848**	**1.0508**	**460.17**	**1.0179**	**.46128**	**.48307**	**.52072**	**185.48**	**50.341**
Stddev	.0053	.83	.0113	.0007	.00128	.00061	.0012	.25	.0014	.00009	.00072	.00284	.62	.090
%RSD	.48681	.16440	.57703	.03794	.25169	.12720	.10903	.05455	.14238	.01851	.14863	.54619	.33372	.17823
#1	1.0954	501.93	1.9441	1.9000	.50752	.47805	1.0500	460.35	1.0189	.46134	.48358	.52273	185.04	50.278
#2	1.0879	503.10	1.9600	1.9010	.50933	.47891	1.0516	459.99	1.0169	.46122	.48256	.51871	185.92	50.405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0298**	**493.66**	**.49590**	**.97396**	**50.217**	**.93080**	**1.9288**	**.92774**	**10.013**	**.98103**	**4.8227**	**10.084**	**9.2267**	**.97725**
Stddev	.0035	1.84	.00035	.00145	.265	.00105	.0135	.00039	.011	.00497	.0040	.019	.0102	.00161
%RSD	.34090	.37308	.06984	.14854	.52845	.11309	.69762	.04181	.10641	.50656	.08347	.19286	.11014	.16496
#1	1.0273	492.36	.49615	.97499	50.029	.93154	1.9383	.92801	10.021	.97752	4.8199	10.098	9.2339	.97611
#2	1.0323	494.96	.49566	.97294	50.405	.93005	1.9192	.92747	10.005	.98455	4.8256	10.070	9.2195	.97839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9434**	**.98011**	**8.4823**	**.13087**	**.50777**	**.95885**	**.97893**
Stddev	.0067	.00268	.0083	.01292	.00083	.00240	.00087
%RSD	.34610	.27298	.09835	9.8697	.16365	.25006	.08896
#1	1.9482	.98200	8.4882	.12174	.50836	.96055	.97954
#2	1.9387	.97822	8.4764	.14000	.50718	.95716	.97831
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4439.5**	**71475.**	**6294.3**
Stddev	1.6	18.	2.1
%RSD	.03532	.02450	.03287
#1	4440.7	71462.	6295.8
#2	4438.4	71487.	6292.9

Sample Name: LRA-2959978 Acquired: 11/17/2014 11:58:29 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00219**	**-.60350**	**9.8166**	**9.8360**	**12.205**	**-.00215**	**.20887**	**.10742**	**1.9451**	**5.0553**	**10.013**	**10.275**
Stddev	.00036	.01312	.0066	.0028	.000	.00018	.00341	.01838	.0020	.0064	.008	.042
%RSD	16.581	2.1746	.06745	.02821	.00225	8.5819	1.6341	17.107	.10336	.12654	.08230	.40812
#1	.00245	-.59422	9.8120	9.8380	12.205	-.00202	.20646	.12041	1.9465	5.0508	10.007	10.305
#2	.00194	-.61278	9.8213	9.8340	12.205	-.00228	.21128	.09442	1.9437	5.0598	10.019	10.246
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000											
Range	-10.000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**515.32**	**-.20375**	**-.00065**	**.16185**	**9.8998**	**5.0895**	**.02308**	**10.049**	**-.01727**	**10.196**	**-.13740**	**.01126**
Stddev	2.49	.01610	.00036	.00846	.0143	.0017	.00093	.010	.00012	.005	.00616	.00038
%RSD	.48378	7.9028	54.574	5.2263	.14432	.03264	4.0205	.09697	.69943	.05048	4.4856	3.3931
#1	513.55	-.19236	-.00040	.16783	9.9099	5.0883	.02374	10.042	-.01718	10.192	-.14175	.01099
#2	517.08	-.21514	-.00090	.15587	9.8897	5.0906	.02243	10.056	-.01735	10.200	-.13304	.01153
Check ?	Chk Pass	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0003**	**49.240**	**-.01062**	**10.045**	**.29333**	**9.8977**	**5.0512**	**.27570**	**9.8460**	**9.5679**	**-.00802**
Stddev	.0094	.481	.00040	.025	.00370	.0105	.0022	.00600	.0121	.0144	.00202
%RSD	.18734	.97621	3.7878	.24554	1.2607	.10603	.04343	2.1758	.12275	.15008	25.216
#1	5.0069	48.900	-.01090	10.028	.29595	9.9051	5.0497	.27994	9.8546	9.5781	-.00659
#2	4.9937	49.580	-.01033	10.063	.29072	9.8902	5.0528	.27146	9.8375	9.5578	-.00945
Check ?	None	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4848.8**	**81701.**	**6366.9**
Stddev	4.8	39.	27.8
%RSD	.09811	.04808	.43628
#1	4852.2	81673.	6386.6
#2	4845.5	81728.	6347.3

Sample Name: ccvh-2982968 Acquired: 11/17/2014 12:01:21 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00726**	**50.677**	**.00092**	**.03016**	**.00424**	**.00001**	**1.0127**	**-.02388**	**-.00006**	**.00279**	**.00229**	**.00005**	**50.794**
Stddev	.00017	.348	.00212	.00453	.00029	.00001	.0025	.00026	.00021	.00023	.00021	.00002	.309
%RSD	2.2979	.68608	228.98	15.020	6.9523	151.58	.24665	1.0710	382.38	8.3346	9.0318	39.323	.60738
#1	.00738	50.432	-.00057	.03337	.00445	-.00000	1.0110	-.02370	.00009	.00296	.00244	.00003	50.575
#2	.00714	50.923	.00242	.02696	.00403	.00002	1.0145	-.02406	-.00021	.00263	.00215	.00006	51.012
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04181**	**.00379**	**.14408**	**-.00059**	**-.00035**	**251.18**	**.00256**	**.00038**	**.00485**	**5.0107**	**-.00226**	**.00295**	**.04150**
Stddev	.00010	.00144	.00104	.00012	.00006	1.98	.00052	.00025	.00115	.0048	.00122	.00098	.01749
%RSD	.23576	38.089	.72321	19.507	16.873	.78928	20.332	67.646	23.638	.09571	54.046	33.171	42.142
#1	.04174	.00277	.14482	-.00051	-.00031	249.77	.00293	.00020	.00566	5.0073	-.00313	.00226	.05387
#2	.04187	.00481	.14334	-.00067	-.00039	252.58	.00219	.00056	.00404	5.0141	-.00140	.00364	.02914
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**.00335**	**4.8111**	**-.02026**	**.00261**	**9.9611**	**.00634**	**.00189**	**-.03758**
Stddev	.00002	.00028	.0033	.00030	.00068	.0314	.00034	.00032	.00191
%RSD	1.4592	8.2134	.06927	1.4581	26.070	.31471	5.4112	17.025	5.0707
#1	.00163	.00355	4.8088	-.02005	.00310	9.9832	.00610	.00167	-.03893
#2	.00166	.00316	4.8135	-.02047	.00213	9.9389	.00658	.00212	-.03624
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4853.6**	**80126.**	**6354.2**
Stddev	1.2	104.	34.8
%RSD	.02449	.12925	.54839
#1	4854.4	80199.	6378.8
#2	4852.8	80052.	6329.5

Sample Name: ccv-2984587 Acquired: 11/17/2014 12:03:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50166**	**.52535**	**.98730**	**.51340**	**.50173**	**.49389**	**.00960**	**5.0300**	**.49431**	**.50054**	**.49659**	**.49124**	**2.6089**
Stddev	.00149	.00159	.00373	.00139	.00172	.00184	.00142	.0237	.00021	.00013	.00033	.00050	.0030
%RSD	.29771	.30297	.37749	.27111	.34260	.37166	14.752	.47105	.04184	.02611	.06723	.10280	.11618
#1	.50272	.52648	.98994	.51439	.50295	.49519	.01061	5.0467	.49416	.50063	.49636	.49159	2.6111
#2	.50061	.52423	.98466	.51242	.50051	.49260	.00860	5.0132	.49446	.50045	.49683	.49088	2.6068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.386**	**1.0126**	**19.851**	**.50133**	**.50633**	**5.1902**	**.50055**	**.98032**	**1.0079**	**-.00899**	**1.0013**	**1.0172**	**4.9662**
Stddev	.001	.0030	.021	.00012	.00058	.0184	.00084	.00001	.0000	.00220	.0032	.0034	.0115
%RSD	.00295	.29667	.10694	.02457	.11429	.35451	.16826	.00101	.00326	24.427	.32464	.33290	.23201
#1	49.388	1.0147	19.866	.50142	.50674	5.2032	.49996	.98031	1.0078	-.00744	1.0036	1.0148	4.9580
#2	49.385	1.0104	19.836	.50125	.50592	5.1772	.50115	.98033	1.0079	-.01055	.99903	1.0196	4.9743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0098**	**.49610**	**.02831**	**.49859**	**1.0184**	**-.00616**	**.49509**	**.49674**	**.49214**
Stddev	.0022	.00199	.00248	.00172	.0011	.01100	.00118	.00173	.00179
%RSD	.21562	.40014	8.7760	.34449	.10363	178.41	.23914	.34817	.36362
#1	1.0113	.49750	.02655	.49981	1.0192	.00161	.49593	.49796	.49088
#2	1.0082	.49470	.03007	.49738	1.0177	-.01394	.49426	.49552	.49341
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4955.1**	**81663.**	**6330.7**
Stddev	10.8	132.	.1
%RSD	.21721	.16105	.00142
#1	4962.7	81570.	6330.8
#2	4947.5	81756.	6330.7

Sample Name: CCB Acquired: 11/17/2014 12:06:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00116**	**-.00354**	**.00273**	F **.00730**	**.00035**	**.00002**	**-.00093**	**-.00574**	**.00026**	**.00028**	**.00028**	**-.00021**
Stddev	.00032	.00193	.00132	.00085	.00002	.00001	.00008	.00208	.00003	.00000	.00028	.00009
%RSD	28.025	54.382	48.260	11.590	5.1184	56.522	8.6696	36.188	10.947	.27252	99.199	42.567
#1	.00139	-.00218	.00366	.00790	.00036	.00001	-.00099	-.00720	.00024	.00028	.00048	-.00028
#2	.00093	-.00490	.00180	.00670	.00034	.00003	-.00088	-.00427	.00028	.00028	.00008	-.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01440**	**.01703**	**.00255**	**.00252**	W **.00028**	**.00065**	**.00791**	**.00001**	**-.00135**	**.00149**	**-.00228**	**-.00011**
Stddev	.00031	.04523	.00285	.00103	.00004	.00006	.00419	.00012	.00207	.00002	.00327	.00077
%RSD	2.1808	265.61	111.79	40.932	14.571	8.6554	52.896	2259.2	153.33	1.2101	143.34	713.13
#1	.01462	-.01495	.00053	.00179	.00025	.00061	.00495	.00009	-.00282	.00147	.00003	.00044
#2	.01418	.04901	.00456	.00325	.00031	.00069	.01088	-.00008	.00011	.00150	-.00460	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					.00025							
Low Limit					-.00025							

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**-.00840**	**-.00053**	W **.00033**	**.00367**	**.00055**	**.00139**	**-.01758**	**.00018**	**-.00056**	**-.00119**
Stddev	.00451	.02424	.00097	.00010	.00063	.00003	.00050	.00433	.00020	.00016	.00326
%RSD	380.60	288.69	183.31	31.118	17.076	5.0858	35.977	24.637	110.16	28.927	274.30
#1	-.00437	.00875	-.00121	.00041	.00323	.00053	.00104	-.01452	.00032	-.00044	.00112
#2	.00200	-.02554	.00016	.00026	.00412	.00057	.00174	-.02064	.00004	-.00067	-.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00030							
Low Limit				-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5001.2**	**83009.**	**6335.9**
Stddev	8.5	143.	9.6
%RSD	.16918	.17245	.15093
#1	4995.2	82907.	6342.7
#2	5007.2	83110.	6329.2

Sample Name: CCVL2994499 Acquired: 11/17/2014 12:09:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.10576**	**.01542**	**.10487**	**.01064**	**.00100**	**.11208**	**.22589**	**.00512**	**.01061**	**.01015**	**.01483**
Stddev	.00021	.00127	.00154	.00091	.00010	.00006	.00018	.00096	.00018	.00006	.00008	.00039
%RSD	1.8966	1.2026	10.011	.86694	.90710	6.1450	.15957	.42623	3.5505	.53767	.82934	2.6159
#1	.01084	.10666	.01651	.10423	.01071	.00104	.11221	.22657	.00500	.01065	.01021	.01456
#2	.01113	.10486	.01433	.10551	.01057	.00095	.11196	.22521	.00525	.01057	.01009	.01511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10763**	**3.1556**	**.01198**	**.21331**	**.01047**	**.02051**	**1.0662**	**.04142**	**2.9037**	W **.01134**	**-.00292**	**.00911**
Stddev	.00094	.0099	.00034	.00100	.00004	.00049	.0047	.00023	.0026	.00102	.00605	.00027
%RSD	.86970	.31270	2.8088	.46774	.37911	2.3715	.44312	.55259	.09034	9.0334	207.14	2.9359
#1	.10697	3.1626	.01174	.21402	.01050	.02017	1.0696	.04126	2.9018	.01206	.00136	.00892
#2	.10829	3.1487	.01222	.21260	.01044	.02086	1.0629	.04159	2.9055	.01062	-.00720	.00930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value										.00900		
Range										20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01412**	**.51613**	**.10424**	**.01033**	W **.01901**	**.01007**	**.01687**	**.05199**	**.00985**	**.02060**	**.01351**
Stddev	.00187	.01557	.00037	.00011	.00042	.00002	.00079	.03590	.00038	.00014	.00119
%RSD	13.234	3.0171	.35223	1.0267	2.2119	.17069	4.6950	69.050	3.8786	.67625	8.8395
#1	.01545	.50512	.10398	.01041	.01930	.01008	.01743	.07737	.00958	.02069	.01436
#2	.01280	.52714	.10450	.01026	.01871	.01006	.01631	.02660	.01012	.02050	.01267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.01500						
Range					20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5025.7**	**82829.**	**6341.7**
Stddev	14.4	220.	16.0
%RSD	.28699	.26544	.25185
#1	5035.9	82984.	6330.4
#2	5015.5	82674.	6353.0

Sample Name: MB 280-252576/1-A Acquired: 11/17/2014 12:15:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/14 Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	F **.47263**	**-.00106**	**.00137**	F **.01991**	**.00007**	**.00185**	F **2.8491**	**.00018**
Stddev	.00067	.00277	.00236	.00075	.00016	.00002	.00175	.0062	.00018
%RSD	81.543	.58587	222.19	54.932	.81921	24.862	94.815	.21904	97.121
#1	.00035	.47458	-.00273	.00191	.01979	.00008	.00309	2.8447	.00006
#2	.00129	.47067	.00061	.00084	.02003	.00006	.00061	2.8535	.00031
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.10000			.01000			.20000	
Low Limit		-.10000			-.01000			-.20000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00058**	**.00139**	F **.70134**	**.35606**	**.00043**	F **.35781**	F **.06354**	**.00018**
Stddev	.00016	.00001	.00016	.00832	.00038	.00151	.00102	.00004	.00000
%RSD	23.438	1.3353	11.717	1.1861	.10652	348.18	.28449	.06179	2.1829
#1	.00081	.00058	.00127	.69546	.35579	.00150	.35709	.06351	.00018
#2	.00058	.00057	.00150	.70722	.35632	-.00063	.35853	.06357	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit				.10000			.10000	.01000	
Low Limit				-.10000			-.10000	-.01000	

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08496**	**.00094**	F **.03517**	**.00201**	**.13824**	**.00120**	**.00032**	F **1.1445**	**-.00078**
Stddev	.00195	.00027	.00205	.00018	.00503	.00017	.00027	.0138	.00126
%RSD	2.2926	28.315	5.8272	8.9660	3.6400	13.743	84.319	1.2028	162.15
#1	.08358	.00076	.03662	.00214	.14180	.00132	.00013	1.1348	-.00167
#2	.08633	.00113	.03372	.00188	.13468	.00109	.00051	1.1543	.00011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.01000					.10000	
Low Limit			-.01000					-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00877**	**.00250**	F **.02120**	**.00088**	**.01055**	**.00152**	**.00349**	**.00056**
Stddev	.00003	.00020	.00151	.00171	.04060	.00031	.00075	.00115
%RSD	.39877	8.1990	7.1289	193.97	385.03	20.576	21.406	204.44
#1	.00879	.00265	.02013	.00209	-.01817	.00175	.00296	-.00025
#2	.00874	.00236	.02227	-.00033	.03926	.00130	.00402	.00137
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000					
Low Limit	-.00500		-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5102.7**	**83194.**	**6423.1**
Stddev	.2	155.	16.4
%RSD	.00452	.18651	.25551
#1	5102.5	83303.	6434.7
#2	5102.8	83084.	6411.5

Sample Name: 280-62397-A-5-B Acquired: 11/17/2014 12:18:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.25865**	**-.00328**	**.00637**	**.01270**	**.00009**	**.00082**	**4.9780**	**.00007**
Stddev	.00119	.00112	.00343	.00023	.00011	.00005	.00198	.0086	.00014
%RSD	217.49	.43222	104.37	3.5552	.85491	61.932	240.42	.17379	193.44
#1	-.00029	.25944	-.00571	.00653	.01262	.00013	-.00058	4.9841	.00018
#2	.00139	.25786	-.00086	.00621	.01277	.00005	.00222	4.9718	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00030**	**.00062**	**.42080**	**.21349**	**.00229**	**1.4598**	**.00784**	**.00014**
Stddev	.00015	.00016	.00019	.00083	.00553	.00169	.0019	.00007	.00006
%RSD	71.278	52.018	29.715	.19717	2.5879	73.601	.12661	.89023	44.536
#1	.00011	.00041	.00049	.42138	.21740	.00110	1.4585	.00789	.00018
#2	.00032	.00019	.00076	.42021	.20959	.00348	1.4611	.00779	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8174**	**.00042**	**.02069**	**.00173**	**.58031**	**-.00002**	**-.00079**	**1.5367**	**-.00093**
Stddev	.0085	.00028	.00024	.00219	.00409	.00138	.00318	.0077	.00086
%RSD	.46820	66.997	1.1476	126.61	.70397	6847.9	400.78	.50128	92.023
#1	1.8114	.00062	.02085	.00328	.58320	.00096	-.00305	1.5312	-.00154
#2	1.8234	.00022	.02052	.00018	.57742	-.00100	.00146	1.5421	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03508**	**.00307**	**.01309**	**.00269**	**-.02367**	**.00053**	**.00208**	**.00026**
Stddev	.00033	.00070	.00022	.00125	.01228	.00000	.00055	.00065
%RSD	.95166	22.723	1.6448	46.391	51.852	.88135	26.536	249.27
#1	.03531	.00356	.01293	.00181	-.03235	.00052	.00169	-.00020
#2	.03484	.00257	.01324	.00358	-.01499	.00053	.00247	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5088.4**	**82599.**	**6384.9**
Stddev	4.5	364.	29.0
%RSD	.08764	.44029	.45395
#1	5091.6	82342.	6405.4
#2	5085.3	82856.	6364.4

Sample Name: 280-62397-A-6-C Acquired: 11/17/2014 12:20:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.26877**	**.00190**	**.00796**	**.02010**	**.00008**	**.00286**	**16.052**	**.00019**
Stddev	.00005	.00101	.00274	.00021	.00031	.00005	.00193	.020	.00002
%RSD	7.2775	.37455	143.94	2.6758	1.5526	63.799	67.537	.12436	10.377
#1	.00069	.26948	-.00003	.00811	.01988	.00012	.00423	16.066	.00021
#2	.00063	.26806	.00384	.00781	.02033	.00005	.00150	16.038	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00035**	**.00275**	**.21283**	**.46769**	**.00123**	**1.9324**	**.00625**	**.00374**
Stddev	.00012	.00002	.00020	.00224	.04666	.00042	.0010	.00001	.00011
%RSD	65.479	4.6505	7.1625	1.0532	9.9764	34.170	.05429	.23670	2.8631
#1	.00010	.00034	.00261	.21125	.50068	.00093	1.9331	.00624	.00366
#2	.00026	.00037	.00289	.21442	.43470	.00153	1.9316	.00626	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.408**	**.00134**	**.05591**	**.00133**	**14.051**	**-.00119**	**-.00165**	**1.1269**	**-.00154**
Stddev	.154	.00014	.00270	.00098	.016	.00124	.00244	.0119	.00017
%RSD	.88589	10.478	4.8358	73.983	.11647	104.45	148.24	1.0539	11.205
#1	17.517	.00144	.05782	.00202	14.039	-.00031	-.00337	1.1353	-.00142
#2	17.298	.00124	.05399	.00063	14.063	-.00207	.00008	1.1185	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10742**	**.00279**	**.00853**	**.00096**	**.01544**	**.00077**	**.00257**	**-.00146**
Stddev	.00008	.00159	.00022	.00049	.01715	.00019	.00002	.00038
%RSD	.07145	56.875	2.5892	50.680	111.03	24.493	.73376	25.937
#1	.10736	.00392	.00838	.00062	.00332	.00090	.00255	-.00119
#2	.10747	.00167	.00869	.00131	.02757	.00064	.00258	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5034.8**	**82489.**	**6409.0**
Stddev	2.7	114.	16.5
%RSD	.05328	.13872	.25767
#1	5036.7	82408.	6397.4
#2	5032.9	82570.	6420.7

Sample Name: 280-62397-A-11-B Acquired: 11/17/2014 12:23:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.65686**	**.00111**	**.00238**	**.02819**	**.00014**	**.00049**	**4.2720**	**.00008**
Stddev	.00000	.00317	.00047	.00009	.00023	.00004	.00285	.0009	.00003
%RSD	1.0547	.48289	41.952	3.9171	.82552	29.115	580.44	.02200	33.517
#1	.00038	.65911	.00078	.00244	.02802	.00017	.00251	4.2726	.00010
#2	.00037	.65462	.00144	.00231	.02835	.00011	-.00153	4.2713	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00086**	**.00076**	**.59686**	**.24823**	**.00159**	**.83667**	**.02186**	**.00028**
Stddev	.00018	.00012	.00010	.00385	.01241	.00041	.00003	.00011	.00008
%RSD	36.591	13.850	13.291	.64537	5.0000	25.476	.00300	.51335	29.071
#1	.00037	.00078	.00084	.59959	.25701	.00188	.83666	.02178	.00034
#2	.00063	.00095	.00069	.59414	.23945	.00130	.83669	.02194	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.983**	**.00057**	**.01256**	**.00273**	**9.8309**	**.00000**	**-.00497**	**1.4041**	**-.00016**
Stddev	.096	.00008	.00044	.00014	.0415	.00016	.00333	.0120	.00044
%RSD	.53132	14.069	3.5065	5.2649	.42263	5428.2	67.011	.85461	271.12
#1	17.916	.00062	.01287	.00263	9.8016	-.00011	-.00262	1.3956	.00015
#2	18.051	.00051	.01224	.00283	9.8603	.00012	-.00733	1.4126	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04124**	**.00409**	**.01774**	**.00238**	**-.00770**	**.00132**	**.00144**	**-.00227**
Stddev	.00001	.00055	.00073	.00225	.02936	.00022	.00038	.00020
%RSD	.03387	13.465	4.0965	94.475	381.23	16.604	26.044	8.7282
#1	.04125	.00370	.01825	.00397	.01306	.00147	.00118	-.00213
#2	.04123	.00448	.01723	.00079	-.02847	.00116	.00171	-.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5044.1**	**82960.**	**6406.0**
Stddev	2.1	27.	19.4
%RSD	.04065	.03254	.30296
#1	5045.6	82980.	6392.2
#2	5042.7	82941.	6419.7

Sample Name: 280-62397-A-12-G Acquired: 11/17/2014 12:26:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.07773**	**.00246**	**.01006**	**.00893**	**-.00000**	**.00070**	**40.788**	**.00016**
Stddev	.00001	.00038	.00155	.00053	.00008	.00008	.00369	.160	.00020
%RSD	3.6529	.48644	63.077	5.2218	.88508	3733.4	524.33	.39200	129.27
#1	.00022	.07747	.00136	.00968	.00887	-.00006	-.00191	40.901	.00030
#2	.00023	.07800	.00356	.01043	.00898	.00005	.00331	40.675	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00024**	**.00036**	**.05561**	**.44263**	**.00291**	**5.3189**	**.00159**	**.00246**
Stddev	.00018	.00014	.00023	.00052	.01095	.00003	.0192	.00003	.00025
%RSD	35.718	59.460	63.177	.93292	2.4733	1.1088	.36027	2.1500	10.027
#1	.00065	.00033	.00053	.05597	.43489	.00293	5.3053	.00157	.00229
#2	.00039	.00014	.00020	.05524	.45038	.00289	5.3324	.00162	.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**66.250**	**.00061**	**.00939**	**.00133**	**71.781**	**-.00078**	**.00612**	**.88031**	**-.00110**
Stddev	.807	.00019	.00409	.00173	.418	.00155	.00414	.01074	.00051
%RSD	1.2174	30.645	43.577	130.35	.58261	197.59	67.610	1.2200	46.007
#1	66.820	.00074	.00650	.00255	71.485	-.00188	.00904	.87272	-.00146
#2	65.680	.00048	.01229	.00010	72.077	.00031	.00319	.88790	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31762**	**.00428**	**.00290**	**.00385**	**-.01253**	**.00055**	**.00054**	**-.00200**
Stddev	.00126	.00026	.00049	.00037	.00228	.00023	.00049	.00060
%RSD	.39746	6.0260	16.724	9.6632	18.163	42.462	90.206	30.287
#1	.31851	.00410	.00256	.00359	-.01092	.00039	.00089	-.00157
#2	.31673	.00446	.00325	.00412	-.01413	.00072	.00020	-.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4874.9**	**80858.**	**6319.6**
Stddev	39.3	737.	39.8
%RSD	.80697	.91154	.63005
#1	4847.1	80337.	6291.4
#2	4902.7	81379.	6347.7

Sample Name: 280-62417-F-1-A Acquired: 11/17/2014 12:28:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.16001**	**-.00025**	**.06710**	**.10407**	**.00007**	**.00213**	**30.387**	**-.00002**
Stddev	.00053	.00020	.00181	.00039	.00037	.00004	.00213	.069	.00007
%RSD	113.42	.12769	723.93	.57829	.35577	54.906	100.01	.22865	305.87
#1	.00085	.15987	-.00153	.06682	.10433	.00004	.00364	30.437	.00003
#2	.00009	.16015	.00103	.06737	.10381	.00010	.00062	30.338	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00044**	**.00164**	**.03989**	**70.544**	**.01734**	**3.5149**	**.01088**	**.05052**
Stddev	.00011	.00038	.00008	.00319	.260	.00041	.0096	.00003	.00005
%RSD	11.726	87.320	5.0510	7.9943	.36819	2.3772	.27209	.28130	.09233
#1	.00102	.00017	.00170	.04215	70.727	.01705	3.5216	.01086	.05056
#2	.00086	.00071	.00159	.03764	70.360	.01764	3.5081	.01090	.05049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**162.56**	**.00284**	**.02640**	**.00057**	**8.7908**	**.00179**	**.00308**	**.62605**	**-.00030**
Stddev	1.04	.00056	.00076	.00170	.0230	.00053	.00535	.01949	.00018
%RSD	.64245	19.837	2.8895	301.05	.26163	29.660	173.58	3.1133	61.343
#1	163.30	.00244	.02586	.00177	8.8070	.00142	-.00070	.63983	-.00017
#2	161.82	.00324	.02694	-.00064	8.7745	.00217	.00686	.61227	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74101**	**.00396**	**.00419**	**.00204**	**-.01337**	**.00191**	**.00105**	**-.00276**
Stddev	.00257	.00145	.00002	.00143	.01100	.00013	.00016	.00208
%RSD	.34733	36.602	.40776	69.992	82.266	6.9583	15.606	75.464
#1	.74283	.00294	.00417	.00306	-.00559	.00182	.00094	-.00129
#2	.73919	.00499	.00420	.00103	-.02114	.00201	.00117	-.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4887.9**	**80219.**	**6368.3**
Stddev	19.5	20.	37.6
%RSD	.39931	.02449	.58998
#1	4874.1	80233.	6394.9
#2	4901.7	80205.	6341.8

Sample Name: 280-62417-F-2-A Acquired: 11/17/2014 12:31:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.24562**	**.00305**	**.02612**	**.22819**	**-.00003**	**.00440**	**29.073**	**.00002**
Stddev	.00025	.00059	.00171	.00067	.00077	.00003	.00126	.163	.00003
%RSD	19.287	.24025	56.075	2.5772	.33874	112.02	28.560	.56209	140.26
#1	.00114	.24604	.00426	.02659	.22873	-.00005	.00351	29.188	.00004
#2	.00150	.24521	.00184	.02564	.22764	-.00001	.00529	28.957	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00194**	**.00431**	**.01278**	**44.958**	**.00410**	**.00910**	**.00252**	**.03561**
Stddev	.00003	.00005	.00019	.00116	.137	.00178	.00152	.00001	.00047
%RSD	5.2817	2.7208	4.5091	9.0588	.30439	43.432	16.742	.35251	1.3281
#1	.00051	.00190	.00417	.01196	45.054	.00535	.00802	.00252	.03595
#2	.00054	.00198	.00444	.01360	44.861	.00284	.01018	.00251	.03528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.92**	**.00255**	**.08406**	**.00015**	**2.6428**	**-.00181**	**.00523**	**.46131**	**-.00036**
Stddev	.98	.00005	.00108	.00005	.0279	.00055	.00183	.01499	.00011
%RSD	.63738	2.1239	1.2817	35.516	1.0557	30.260	35.044	3.2501	31.365
#1	154.61	.00251	.08330	.00011	2.6625	-.00220	.00653	.45071	-.00044
#2	153.23	.00258	.08482	.00018	2.6231	-.00143	.00394	.47192	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84722**	**.00364**	**.00067**	**.00318**	**.00871**	**.00476**	**-.00024**	**-.00140**
Stddev	.00399	.00118	.00005	.00195	.00250	.00027	.00045	.00128
%RSD	.47136	32.354	7.6945	61.386	28.717	5.6995	182.71	91.748
#1	.85004	.00281	.00070	.00456	.00694	.00496	.00007	-.00049
#2	.84439	.00448	.00063	.00180	.01047	.00457	-.00056	-.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4977.7**	**82140.**	**6538.7**
Stddev	14.0	28.	17.1
%RSD	.28069	.03456	.26123
#1	4987.5	82119.	6526.7
#2	4967.8	82160.	6550.8

Sample Name: 280-62417-F-2-A SD@5 Acquired: 11/17/2014 12:34:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.03413**	**-.00039**	**.00365**	**.04430**	**.00006**	**-.00106**	**5.6389**	**.00005**
Stddev	.00053	.00370	.00222	.00050	.00216	.00004	.00035	.2427	.00009
%RSD	75.267	10.838	564.44	13.722	4.8774	70.061	32.498	4.3040	190.61
#1	.00033	.03674	.00118	.00400	.04583	.00003	-.00131	5.8105	.00011
#2	.00108	.03151	-.00196	.00329	.04277	.00009	-.00082	5.4673	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00015**	**-.00001**	**.01820**	**8.7205**	**.00217**	**.00620**	**.00056**	**.00549**
Stddev	.00014	.00013	.00063	.00097	.2812	.00125	.00020	.00006	.00081
%RSD	49.360	84.691	10866.	5.3479	3.2251	57.655	3.2492	11.489	14.827
#1	.00019	.00025	.00044	.01889	8.9194	.00129	.00634	.00061	.00606
#2	.00039	.00006	-.00045	.01751	8.5216	.00306	.00605	.00052	.00491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.344**	**.00023**	**.01152**	**.00044**	**.38527**	**.00120**	**-.00063**	**.08992**	**-.00046**
Stddev	1.445	.00012	.00271	.00132	.02813	.00232	.00213	.01085	.00125
%RSD	4.7631	52.891	23.544	300.16	7.3015	192.48	335.79	12.062	269.43
#1	31.366	.00015	.00960	-.00049	.40516	-.00043	-.00214	.09759	.00042
#2	29.322	.00032	.01343	.00138	.36538	.00284	.00087	.08225	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16499**	**.00213**	**.00044**	**.00198**	**.01143**	**.00078**	**-.00041**	**-.00140**
Stddev	.00805	.00104	.00017	.00260	.00341	.00019	.00007	.00077
%RSD	4.8785	48.737	37.982	131.00	29.825	24.427	18.174	55.209
#1	.17068	.00140	.00032	.00382	.01384	.00065	-.00035	-.00195
#2	.15930	.00287	.00056	.00015	.00902	.00092	-.00046	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4935.1**	**81861.**	**6393.1**
Stddev	.7	769.	55.3
%RSD	.01350	.93901	.86573
#1	4935.5	82405.	6354.0
#2	4934.6	81318.	6432.3

Sample Name: MB 280-252576/1-A Acquired: 11/17/2014 12:36:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/14 Custom ID2: Custom ID3:
Comment: 252576 SAR soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	F **.54030**	**.00233**	**-.00076**	F **.02055**	**.00003**	**.00289**	F **2.8392**	**.00007**
Stddev	.00047	.00772	.00462	.00066	.00020	.00006	.00030	.0109	.00001
%RSD	131.32	1.4296	198.41	85.879	.96030	227.85	10.471	.38242	19.131
#1	.00069	.54576	.00560	-.00030	.02041	-.00002	.00310	2.8469	.00008
#2	.00003	.53483	-.00094	-.00123	.02069	.00007	.00268	2.8315	.00006
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.10000			.01000			.20000	
Low Limit		-.10000			-.01000			-.20000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00073**	**.00111**	F **.73034**	**.41268**	**.00097**	F **.36786**	F **.06305**	**-.00002**
Stddev	.00016	.00003	.00019	.00767	.00917	.00078	.00123	.00015	.00012
%RSD	23.567	3.8856	16.757	1.0502	2.2225	80.605	.33434	.23665	645.83
#1	.00078	.00075	.00098	.73576	.40619	.00152	.36873	.06295	.00006
#2	.00056	.00071	.00124	.72491	.41916	.00042	.36699	.06316	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit				.10000			.10000	.01000	
Low Limit				-.10000			-.10000	-.01000	

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15034**	**.00109**	F **.03422**	**.00187**	**.14990**	**-.00144**	**-.00239**	F **1.4545**	**-.00069**
Stddev	.00461	.00029	.00326	.00037	.00276	.00163	.00249	.0418	.00070
%RSD	3.0662	26.552	9.5220	19.592	1.8410	113.50	104.00	2.8711	101.92
#1	.14708	.00089	.03653	.00212	.14794	-.00259	-.00415	1.4840	-.00019
#2	.15360	.00129	.03192	.00161	.15185	-.00028	-.00063	1.4249	-.00118
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.01000					.10000	
Low Limit			-.01000					-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00889**	**.00385**	F **.02798**	**.00214**	**-.01319**	**.00176**	**.00351**	**-.00081**
Stddev	.00005	.00010	.00059	.00055	.00555	.00002	.00024	.00074
%RSD	.51372	2.5552	2.1014	25.617	42.108	1.1240	6.8505	90.474
#1	.00892	.00378	.02840	.00253	-.01712	.00175	.00334	-.00029
#2	.00885	.00392	.02757	.00175	-.00926	.00178	.00368	-.00133
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000					
Low Limit	-.00500		-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5094.5**	**84247.**	**6382.1**
Stddev	19.5	889.	17.3
%RSD	.38270	1.0548	.27139
#1	5108.3	84876.	6394.4
#2	5080.7	83619.	6369.9

Sample Name: ccvh-2982968 Acquired: 11/17/2014 12:39:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00679**	**50.414**	**-.00164**	**.00095**	**.00020**	**-.00001**	**.98763**	**-.04136**	**-.00046**	**.00177**	**.00040**	**-.00336**	**50.198**
Stddev	.00007	.203	.00110	.00061	.00011	.00006	.00820	.00177	.00025	.00015	.00007	.00023	.135
%RSD	1.0988	.40223	67.123	64.407	52.650	528.58	.83016	4.2879	53.453	8.4325	18.523	6.9321	.26849
#1	.00674	50.271	-.00241	.00139	.00013	-.00005	.98184	-.04010	-.00029	.00166	.00045	-.00319	50.103
#2	.00685	50.557	-.00086	.00052	.00028	.00003	.99343	-.04261	-.00064	.00187	.00035	-.00352	50.293
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**.00429**	**.12728**	**-.00320**	**-.00186**	**250.27**	**.00090**	**.00392**	**.00244**	**4.8808**	**-.00266**	**-.00036**	**.00110**
Stddev	.06654	.00072	.00053	.00008	.00003	.13	.00052	.00554	.00251	.0012	.00018	.00343	.00098
%RSD	681.51	16.871	.41891	2.5771	1.4617	.05371	57.778	141.54	103.08	.02543	6.8073	950.94	89.066
#1	.05681	.00378	.12765	-.00325	-.00184	250.17	.00053	.00784	.00066	4.8817	-.00279	-.00278	.00041
#2	-.03729	.00481	.12690	-.00314	-.00188	250.36	.00126	-.00000	.00421	4.8799	-.00253	.00206	.00179
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**.00029**	**4.7618**	**-.02331**	**.00139**	**9.7335**	**.00354**	**-.00057**	**-.03883**
Stddev	.00017	.00001	.0008	.00031	.00250	.0236	.00028	.00025	.00249
%RSD	8.4959	2.9350	.01751	1.3227	179.64	.24273	7.9907	42.991	6.4188
#1	.00189	.00029	4.7612	-.02353	-.00038	9.7168	.00334	-.00075	-.04059
#2	.00213	.00028	4.7624	-.02309	.00316	9.7503	.00374	-.00040	-.03706
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4792.1**	**77488.**	**6197.5**
Stddev	19.9	129.	40.5
%RSD	.41582	.16614	.65398
#1	4778.0	77397.	6226.2
#2	4806.2	77579.	6168.9

Sample Name: ccv-2984587 Acquired: 11/17/2014 12:42:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49357**	**.51152**	**.97056**	**.49269**	**.49914**	**.49077**	**.00970**	**5.0140**	**.48323**	**.49682**	**.49107**	**.47634**	**2.5437**
Stddev	.00185	.00412	.00190	.00040	.00116	.00039	.00068	.0022	.00000	.00130	.00035	.00038	.0019
%RSD	.37438	.80467	.19543	.08109	.23188	.07932	7.0273	.04338	.00065	.26251	.07138	.07912	.07638
#1	.49488	.51443	.96922	.49297	.49996	.49049	.01019	5.0125	.48323	.49774	.49083	.47661	2.5423
#2	.49227	.50861	.97191	.49241	.49832	.49104	.00922	5.0156	.48323	.49590	.49132	.47607	2.5451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.158**	**1.0046**	**19.601**	**.49919**	**.50348**	**5.1640**	**.49603**	**.95947**	**.99730**	**-.00686**	**.97618**	**.99522**	**4.9357**
Stddev	.070	.0001	.002	.00016	.00062	.0119	.00077	.00018	.00258	.00443	.00014	.00068	.0210
%RSD	.14218	.00834	.00923	.03220	.12377	.22970	.15442	.01905	.25827	64.519	.01480	.06814	.42565
#1	49.109	1.0046	19.599	.49930	.50392	5.1556	.49657	.95960	.99912	-.01000	.97608	.99570	4.9505
#2	49.208	1.0045	19.602	.49907	.50304	5.1724	.49548	.95934	.99548	-.00373	.97628	.99474	4.9208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0038**	**.49150**	**.02463**	**.49484**	**.99963**	**.01300**	**.49461**	**.49769**	**.48875**
Stddev	.0021	.00042	.00038	.00027	.00340	.00523	.00088	.00258	.00197
%RSD	.21078	.08479	1.5511	.05398	.33974	40.245	.17860	.51876	.40348
#1	1.0053	.49179	.02490	.49465	.99723	.01670	.49399	.49951	.48735
#2	1.0024	.49120	.02436	.49503	1.0020	.00930	.49523	.49586	.49014
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4882.4**	**80887.**	**6219.2**
Stddev	14.8	146.	16.0
%RSD	.30327	.18018	.25794
#1	4871.9	80991.	6207.9
#2	4892.9	80784.	6230.6

Sample Name: CCB Acquired: 11/17/2014 12:44:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**-.00557**	**.00157**	**.00051**	**.00022**	**.00007**	**.00329**	**-.00352**	**.00010**	**.00020**	**.00014**	**-.00079**
Stddev	.00017	.00004	.00194	.00016	.00044	.00010	.00120	.00717	.00016	.00006	.00026	.00022
%RSD	19.844	.63054	123.29	31.261	203.46	140.17	36.553	203.55	166.72	31.022	185.79	27.660
#1	.00096	-.00560	.00294	.00040	.00053	.00014	.00414	.00155	.00021	.00015	-.00004	-.00063
#2	.00073	-.00555	.00020	.00062	-.00010	.00000	.00244	-.00859	-.00002	.00024	.00032	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00286**	**.00054**	**.00679**	**.00005**	**.00009**	**.01933**	**-.00019**	**-.00102**	**.00135**	**-.00179**	**.00042**
Stddev	.00173	.01573	.00217	.00056	.00004	.00012	.00063	.00017	.00171	.00054	.00318	.00038
%RSD	291.15	549.39	400.38	8.2242	67.241	126.78	3.2414	87.290	166.88	39.805	177.34	90.989
#1	.00181	.01398	-.00099	.00640	.00003	.00001	.01889	-.00031	-.00223	.00097	-.00404	.00015
#2	-.00063	-.00826	.00207	.00719	.00008	.00018	.01978	-.00007	.00018	.00173	.00046	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00141**	**.00041**	**.00009**	**.00277**	W **.00073**	**.00092**	**.00697**	**.00018**	**-.00139**	**-.00010**
Stddev	.00422	.01673	.00153	.00002	.00060	.00008	.00028	.01853	.00081	.00013	.00122
%RSD	2907.4	1187.3	371.03	25.735	21.795	10.618	30.909	265.93	446.97	9.0644	1274.8
#1	.00284	-.01324	-.00067	.00011	.00319	.00068	.00072	-.00613	-.00039	-.00148	.00077
#2	-.00313	.01042	.00150	.00008	.00234	.00079	.00112	.02007	.00076	-.00130	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4952.3**	**80788.**	**6209.0**
Stddev	21.5	319.	43.9
%RSD	.43384	.39520	.70704
#1	4967.5	80562.	6178.0
#2	4937.1	81014.	6240.1

Sample Name: CCVL2994499 Acquired: 11/17/2014 12:47:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.10412**	**.01596**	**.09888**	**.01079**	**.00104**	**.10787**	**.20076**	**.00508**	**.01063**	**.01030**	**.01415**
Stddev	.00026	.00066	.00179	.00014	.00010	.00004	.00177	.00306	.00006	.00028	.00002	.00025
%RSD	2.4028	.63358	11.208	.14650	.93537	3.5409	1.6437	1.5236	1.0955	2.6226	.22358	1.7633
#1	.01080	.10458	.01469	.09898	.01072	.00101	.10913	.19860	.00504	.01082	.01032	.01432
#2	.01118	.10365	.01722	.09877	.01086	.00106	.10662	.20293	.00512	.01043	.01029	.01397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10582**	**3.1015**	W **.01206**	**.21458**	**.01048**	**.02075**	**1.0806**	**.04158**	**2.8514**	**.00904**	**-.00030**	**.01030**
Stddev	.00159	.0833	.00090	.00094	.00001	.00032	.0159	.00007	.0180	.00171	.00411	.00087
%RSD	1.4991	2.6858	7.4366	.43631	.12074	1.5447	1.4737	.15703	.63039	18.954	1386.0	8.4255
#1	.10694	3.1604	.01143	.21391	.01049	.02053	1.0693	.04153	2.8387	.01025	-.00321	.01091
#2	.10470	3.0426	.01270	.21524	.01047	.02098	1.0918	.04162	2.8641	.00783	.00261	.00968
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			20.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01290**	**.50206**	**.10410**	**.01014**	**.01720**	**.01073**	**.01665**	F **.08122**	**.00972**	**.02054**	**.01493**
Stddev	.00354	.00677	.00049	.00004	.00291	.00018	.00208	.01982	.00015	.00036	.00120
%RSD	27.467	1.3489	.46951	.34775	16.931	1.6686	12.482	24.403	1.5149	1.7499	8.0457
#1	.01039	.49727	.10376	.01016	.01514	.01086	.01518	.09523	.00983	.02028	.01578
#2	.01540	.50685	.10445	.01011	.01926	.01061	.01812	.06720	.00962	.02079	.01408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4857.6**	**82468.**	**6225.6**
Stddev	149.6	76.	86.0
%RSD	3.0794	.09223	1.3808
#1	4751.8	82414.	6286.4
#2	4963.4	82522.	6164.8

Sample Name: 280-61639-C-21-A @5 Acquired: 11/17/2014 12:50:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/13 Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03604**	**34.694**	**.00644**	**.07365**	**.24752**	**.00712**	**.01981**	**234.38**	**.00123**
Stddev	.00005	.184	.00278	.00068	.00165	.00001	.00101	2.72	.00013
%RSD	.14653	.52941	43.120	.92351	.66644	.16114	5.1043	1.1594	10.640
#1	.03607	34.564	.00448	.07317	.24635	.00711	.02052	236.30	.00132
#2	.03600	34.824	.00840	.07413	.24868	.00712	.01909	232.46	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.02294**	**.01410**	**3.2595**	**5.1648**	**.03435**	**40.902**	**1.5276**	**.00037**
Stddev	.00005	.00029	.00039	.0273	.0272	.00110	.171	.0034	.00009
%RSD	13.949	1.2682	2.7898	.83615	.52634	3.2034	.41810	.22063	24.918
#1	.00039	.02274	.01382	3.2403	5.1456	.03513	40.781	1.5252	.00043
#2	.00032	.02315	.01437	3.2788	5.1841	.03357	41.023	1.5300	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8174**	**.00280**	**.50145**	**.01152**	**2.6812**	**.00037**	**-.00317**	**.37510**	**.00144**
Stddev	.0044	.00014	.00713	.00031	.0391	.00103	.00474	.01365	.00064
%RSD	.24091	4.8548	1.4226	2.7149	1.4602	274.00	149.60	3.6390	44.176
#1	1.8143	.00270	.49641	.01174	2.6535	-.00035	-.00653	.36545	.00099
#2	1.8205	.00289	.50650	.01130	2.7089	.00110	.00018	.38475	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45239**	**.02336**	**.89812**	**.00184**	**-.04249**	**.03983**	**.05318**	**.07910**
Stddev	.00281	.00012	.00238	.00215	.02927	.00068	.00027	.00048
%RSD	.62120	.51067	.26473	116.56	68.874	1.7043	.51025	.61162
#1	.45040	.02327	.89644	.00336	-.06319	.04031	.05337	.07876
#2	.45438	.02344	.89981	.00032	-.02180	.03935	.05299	.07944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5145.3**	**83698.**	**6683.1**
Stddev	4.5	810.	37.6
%RSD	.08680	.96805	.56188
#1	5142.1	83125.	6656.6
#2	5148.4	84271.	6709.7

Sample Name: 280-61639-A-22-A @5 Acquired: 11/17/2014 12:52:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01307**	**54.506**	**.00295**	**.12723**	**.36911**	**.01025**	**.02143**	**296.81**	**.00067**
Stddev	.00057	.368	.00031	.00018	.00380	.00012	.00185	7.98	.00006
%RSD	4.3816	.67563	10.330	.14380	1.0288	1.2063	8.6185	2.6879	9.4498
#1	.01267	54.245	.00317	.12736	.36643	.01016	.02274	291.17	.00072
#2	.01348	54.766	.00274	.12710	.37180	.01033	.02013	302.45	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.01654**	**.00703**	**4.0529**	**8.4181**	**.05285**	**65.554**	**2.0572**	**.00017**
Stddev	.00009	.00001	.00019	.0517	.0171	.00120	.246	.0086	.00032
%RSD	70.018	.06155	2.7192	1.2752	.20331	2.2757	.37469	.41728	190.17
#1	.00020	.01654	.00690	4.0164	8.4060	.05200	65.381	2.0511	.00039
#2	.00007	.01655	.00717	4.0895	8.4302	.05370	65.728	2.0632	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4346**	**.00161**	**.31726**	**.00590**	**6.0308**	**-.00013**	W **-.00537**	**.35391**	**-.00007**
Stddev	.0151	.00006	.00464	.00076	.0130	.00021	.00623	.01076	.00096
%RSD	.61964	3.7552	1.4614	12.952	.21604	162.90	116.00	3.0402	1320.1
#1	2.4239	.00165	.31399	.00644	6.0216	-.00028	-.00097	.36152	.00061
#2	2.4453	.00156	.32054	.00536	6.0400	.00002	-.00978	.34630	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49285**	**.03533**	**1.1253**	**.00475**	W **-.05156**	**.05525**	**.01945**	**.11394**
Stddev	.00462	.00134	.0050	.00092	.01902	.00024	.00014	.00044
%RSD	.93679	3.7816	.44444	19.416	36.887	.42802	.73554	.38600
#1	.48958	.03439	1.1218	.00410	-.03811	.05508	.01935	.11363
#2	.49611	.03628	1.1289	.00541	-.06501	.05541	.01955	.11425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5312.5**	**86985.**	**7178.2**
Stddev	61.4	229.	48.8
%RSD	1.1566	.26328	.67962
#1	5356.0	86823.	7143.7
#2	5269.1	87147.	7212.7

Sample Name: 280-61639-A-25-A Acquired: 11/17/2014 12:55:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.36323**	**11.513**	**.01518**	**.02436**	**.10980**	**.00097**	**.00143**	W **787.43**	**.00473**
Stddev	.00061	.056	.00308	.00039	.00015	.00000	.00320	4.73	.00015
%RSD	.16738	.48472	20.290	1.5866	.13854	.50018	223.92	.60120	3.2184
#1	.36280	11.473	.01736	.02409	.10991	.00097	-.00083	790.78	.00463
#2	.36366	11.552	.01300	.02463	.10969	.00097	.00369	784.08	.00484
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**.07405**	**.09577**	**16.951**	**.85753**	**.01338**	**6.4713**	**.24706**	**.00319**
Stddev	.00016	.00006	.00031	.038	.01361	.00061	.0053	.00046	.00004
%RSD	5.1147	.08657	.32501	.22244	1.5871	4.5803	.08149	.18459	1.4080
#1	.00325	.07409	.09555	16.924	.86716	.01295	6.4750	.24738	.00316
#2	.00302	.07400	.09599	16.977	.84791	.01381	6.4676	.24673	.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.2217**	**.01052**	**4.2493**	**.07835**	**2.5283**	**.00385**	W **-.00797**	**2.8094**	**.03174**
Stddev	.0313	.00035	.0138	.00010	.0004	.00074	.00331	.0158	.00195
%RSD	.43348	3.2792	.32351	.12948	.01582	19.117	41.506	.56133	6.1376
#1	7.1996	.01077	4.2395	.07828	2.5285	.00333	-.01032	2.7983	.03311
#2	7.2439	.01028	4.2590	.07842	2.5280	.00437	-.00563	2.8206	.03036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5696**	**.00532**	**.19657**	**.00416**	**.06624**	**.03719**	**.35722**	**.00937**
Stddev	.0748	.00324	.00053	.00083	.02194	.00052	.00243	.00109
%RSD	1.6378	61.038	.26866	20.034	33.119	1.3886	.67978	11.655
#1	4.5167	.00761	.19695	.00357	.05072	.03755	.35894	.00859
#2	4.6225	.00302	.19620	.00475	.08175	.03682	.35550	.01014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4714.5**	**78289.**	**6419.1**
Stddev	9.0	73.	40.4
%RSD	.19153	.09294	.63012
#1	4708.1	78238.	6390.5
#2	4720.9	78341.	6447.7

Sample Name: 280-61639-A-25-ASD@5 Acquired: 11/17/2014 12:59:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07347**	**2.3166**	**.00241**	**.00464**	**.02167**	**.00013**	**.00049**	**162.72**	**.00105**
Stddev	.00124	.0323	.00050	.00045	.00006	.00008	.00080	1.42	.00006
%RSD	1.6836	1.3953	20.822	9.7106	.27545	63.738	161.31	.87549	5.8735
#1	.07260	2.2937	.00206	.00433	.02171	.00007	.00106	161.72	.00100
#2	.07435	2.3394	.00277	.00496	.02163	.00019	-.00007	163.73	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.01587**	**.01897**	**3.4929**	**.25388**	**.00447**	**1.3919**	**.05133**	**.00102**
Stddev	.00023	.00011	.00009	.0415	.04412	.00003	.0168	.00052	.00013
%RSD	45.141	.71895	.45311	1.1880	17.378	.65660	1.2086	1.0055	12.731
#1	.00066	.01579	.01891	3.4635	.28508	.00445	1.3800	.05096	.00111
#2	.00034	.01595	.01903	3.5222	.22268	.00450	1.4038	.05169	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4426**	**.00271**	**.87816**	**.01788**	**.51016**	**.00156**	W **-.00850**	**.57132**	**.00497**
Stddev	.0294	.00012	.01723	.00032	.00944	.00082	.00101	.01805	.00110
%RSD	2.0365	4.4144	1.9624	1.7660	1.8501	52.401	11.882	3.1589	22.217
#1	1.4218	.00279	.86597	.01766	.50349	.00098	-.00921	.55856	.00419
#2	1.4634	.00262	.89034	.01810	.51684	.00214	-.00778	.58408	.00575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90602**	**.00517**	**.04132**	**.00235**	**-.01311**	**.00711**	**.07392**	**.00296**
Stddev	.00758	.00053	.00059	.00002	.00132	.00003	.00007	.00133
%RSD	.83667	10.272	1.4181	.95853	10.075	.41850	.09918	45.111
#1	.90066	.00554	.04173	.00234	-.01405	.00713	.07387	.00390
#2	.91138	.00479	.04090	.00237	-.01218	.00709	.07397	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4884.4**	**81310.**	**6358.4**
Stddev	9.1	401.	20.9
%RSD	.18650	.49287	.32866
#1	4878.0	81027.	6373.2
#2	4890.8	81594.	6343.6

Sample Name: 280-61639-A-25-B MS Acquired: 11/17/2014 13:02:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.40571**	**19.663**	**.92101**	**.91396**	**1.9858**	**.04669**	**1.9050**	W **524.86**	**.09126**
Stddev	.00107	.001	.00082	.00119	.0046	.00022	.0039	12.23	.00014
%RSD	.26424	.00382	.08874	.12992	.23422	.47177	.20662	2.3306	.15114
#1	.40495	19.664	.92044	.91480	1.9826	.04653	1.9077	516.21	.09136
#2	.40647	19.663	.92159	.91312	1.9891	.04684	1.9022	533.51	.09116
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44438**	**.25863**	**.39512**	**18.205**	**48.759**	**.98393**	**50.460**	**.69238**	**.98093**
Stddev	.00197	.00132	.00017	.042	.251	.00044	.111	.00151	.00146
%RSD	.44425	.50917	.04202	.22913	.51541	.04464	.22009	.21757	.14926
#1	.44577	.25956	.39523	18.176	48.581	.98362	50.381	.69132	.98197
#2	.44298	.25770	.39500	18.235	48.937	.98424	50.538	.69345	.97989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.693**	**.44925**	**13.133**	**.52788**	**3.9488**	**.44583**	**1.8497**	**3.1561**	**1.8174**
Stddev	.001	.00101	.037	.00223	.0112	.00364	.0068	.0098	.0040
%RSD	.00157	.22575	.27870	.42255	.28257	.81558	.36682	.30981	.21903
#1	51.692	.44997	13.159	.52945	3.9567	.44840	1.8545	3.1630	1.8202
#2	51.693	.44854	13.107	.52630	3.9409	.44326	1.8449	3.1492	1.8146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4140**	**.86251**	**1.1702**	**1.6990**	**1.8920**	**.51181**	**.80878**	**.41069**
Stddev	.0065	.00388	.0021	.0068	.0155	.00234	.00274	.00075
%RSD	.18983	.45010	.18144	.39852	.81852	.45766	.33824	.18276
#1	3.4094	.85977	1.1687	1.7038	1.8810	.51016	.80684	.41016
#2	3.4186	.86526	1.1718	1.6942	1.9029	.51347	.81071	.41122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4701.7**	**77823.**	**6189.6**
Stddev	21.6	201.	61.2
%RSD	.45987	.25801	.98867
#1	4686.4	77965.	6232.9
#2	4717.0	77681.	6146.3

Sample Name: 280-61639-A-25-C MSD Acquired: 11/17/2014 13:04:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.45464**	**70.450**	**.84390**	**.94028**	**2.1963**	**.05329**	**1.7405**	W **785.18**	**.08561**
Stddev	.00254	.313	.00236	.00111	.0094	.00048	.0069	10.85	.00043
%RSD	.55800	.44379	.27954	.11810	.42768	.89771	.39846	1.3814	.50352
#1	.45285	70.671	.84224	.94107	2.2029	.05363	1.7454	777.51	.08591
#2	.45643	70.229	.84557	.93950	2.1897	.05295	1.7356	792.85	.08530
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39712**	**.23936**	**.29525**	**16.462**	**53.157**	**.94797**	**99.539**	**3.1460**	**.87533**
Stddev	.00130	.00011	.00338	.053	.163	.00441	.059	.0055	.00304
%RSD	.32661	.04502	1.1459	.31975	.30606	.46489	.05934	.17434	.34750
#1	.39803	.23944	.29285	16.499	53.272	.95108	99.580	3.1499	.87748
#2	.39620	.23928	.29764	16.424	53.042	.94485	99.497	3.1422	.87318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.146**	**.40272**	**12.297**	**.47098**	**6.1329**	**.35974**	**1.6811**	**3.1150**	**1.6161**
Stddev	.241	.00089	.060	.00333	.0265	.00100	.0024	.0089	.0068
%RSD	.47082	.22179	.48747	.70763	.43248	.27693	.14051	.28720	.41961
#1	50.976	.40335	12.340	.47334	6.1516	.36044	1.6828	3.1086	1.6209
#2	51.317	.40209	12.255	.46862	6.1141	.35903	1.6794	3.1213	1.6113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7802**	**.82894**	**1.5177**	**1.4877**	**1.7012**	**.49544**	**.78809**	**.48444**
Stddev	.1284	.00191	.0013	.0088	.0097	.00142	.00816	.00271
%RSD	3.3958	.23005	.08702	.59030	.57024	.28669	1.0358	.56027
#1	3.8710	.82759	1.5187	1.4939	1.6944	.49444	.79387	.48636
#2	3.6895	.83028	1.5168	1.4815	1.7081	.49645	.78232	.48252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5049.3**	**82606.**	**6949.0**
Stddev	12.5	1349.	97.3
%RSD	.24758	1.6326	1.3997
#1	5040.4	81652.	7017.8
#2	5058.1	83560.	6880.2

Sample Name: 280-61639-A-25-A PDS Acquired: 11/17/2014 13:07:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.36350**	**12.418**	**.22019**	**.12354**	**.21375**	**.05131**	**.00251**	W **784.80**	**.05590**
Stddev	.00130	.043	.00314	.00032	.00054	.00006	.00032	6.07	.00002
%RSD	.35697	.34265	1.4257	.25763	.25448	.11697	12.781	.77303	.02983
#1	.36258	12.388	.21797	.12331	.21414	.05135	.00229	789.09	.05591
#2	.36441	12.448	.22241	.12376	.21337	.05126	.00274	780.51	.05589
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.10000							500.00	
Low Limit	-.01000							-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05111**	**.12093**	**.14585**	**17.674**	**22.194**	**.12036**	**25.061**	**.29013**	**.05248**
Stddev	.00000	.00038	.00037	.011	.003	.00054	.140	.00169	.00009
%RSD	.00159	.31148	.25448	.06219	.01468	.45160	.55943	.58384	.17637
#1	.05112	.12067	.14559	17.682	22.196	.12074	24.962	.28893	.05242
#2	.05111	.12120	.14612	17.666	22.192	.11997	25.160	.29133	.05255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.772**	**.05802**	**6.3538**	**.17608**	**2.5374**	**.09921**	**.19546**	**7.6654**	**.12327**
Stddev	.184	.00002	.0004	.00055	.0106	.00610	.00542	.0642	.00002
%RSD	.63989	.04039	.00661	.31299	.41793	6.1454	2.7742	.83806	.01813
#1	28.902	.05804	6.3535	.17647	2.5299	.09490	.19162	7.7108	.12328
#2	28.642	.05800	6.3541	.17569	2.5449	.10352	.19929	7.6200	.12325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4730**	**.20395**	**.24033**	**.18984**	**.56037**	**.08886**	**.53997**	**.05530**
Stddev	.0233	.00039	.00261	.00190	.01893	.00059	.00123	.00048
%RSD	.52011	.19104	1.0869	1.0008	3.3773	.66474	.22739	.86579
#1	4.4894	.20423	.23848	.18849	.54699	.08845	.53911	.05496
#2	4.4565	.20368	.24218	.19118	.57375	.08928	.54084	.05564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4759.4**	**79404.**	**6500.5**
Stddev	19.0	271.	18.4
%RSD	.39895	.34071	.28296
#1	4772.8	79595.	6487.5
#2	4746.0	79213.	6513.5

Sample Name: 280-61639-A-26-A Acquired: 11/17/2014 13:10:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.8833**	**5.4726**	**.01211**	**.01069**	**.18511**	**.00044**	**.01624**	**206.61**	**.02821**
Stddev	.0037	.0071	.00282	.00082	.00113	.00006	.00079	.53	.00020
%RSD	.12741	.13038	23.313	7.6851	.61025	14.047	4.8706	.25688	.70454
#1	2.8807	5.4675	.01410	.01127	.18431	.00049	.01568	206.23	.02835
#2	2.8859	5.4776	.01011	.01010	.18591	.00040	.01680	206.99	.02807
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000								
Low Limit	-.02000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**.13280**	**.33039**	**16.639**	**.36065**	**.00583**	**3.1998**	**.15043**	**.00384**
Stddev	.00004	.00038	.00116	.055	.01961	.00183	.0036	.00054	.00018
%RSD	.92897	.28930	.35205	.32832	5.4368	31.469	.11080	.36190	4.6366
#1	.00468	.13307	.32957	16.600	.37452	.00712	3.1973	.15005	.00371
#2	.00462	.13253	.33121	16.678	.34679	.00453	3.2023	.15082	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0265**	**.01728**	**8.8540**	**.19674**	**1.6358**	**.00172**	**-.00231**	**1.5356**	**.12087**
Stddev	.0139	.00033	.0276	.00151	.0002	.00180	.00391	.0089	.00122
%RSD	.68691	1.9341	.31117	.76776	.00954	104.63	169.53	.57976	1.0116
#1	2.0166	.01752	8.8735	.19567	1.6359	.00045	.00046	1.5293	.12000
#2	2.0363	.01704	8.8345	.19780	1.6357	.00298	-.00508	1.5419	.12173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4461**	**.00577**	**.15059**	**.00311**	**.01631**	**.02925**	**1.7899**	**.00414**
Stddev	.0035	.00086	.00228	.00093	.00018	.00039	.0020	.00152
%RSD	.24431	14.872	1.5173	30.054	1.0823	1.3232	.11381	36.751
#1	1.4436	.00517	.14897	.00245	.01644	.02953	1.7913	.00522
#2	1.4486	.00638	.15220	.00377	.01619	.02898	1.7885	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4969.4**	**82970.**	**6663.0**
Stddev	21.9	17.	49.0
%RSD	.44123	.02092	.73516
#1	4985.0	82957.	6697.7
#2	4953.9	82982.	6628.4

Sample Name: 280-61639-A-27-A Acquired: 11/17/2014 13:13:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249437 6010C Q4 soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .18527	1.5730	.00224	.00405	.02605	.00012	.00169	67.969	.00255
Stddev	.00028	.0086	.00047	.00024	.00016	.00005	.00224	.130	.00017
%RSD	.15065	.54835	20.902	5.8914	.62057	38.322	132.48	.19089	6.4749
#1	.18507	1.5791	.00257	.00388	.02593	.00009	.00327	67.877	.00243
#2	.18547	1.5669	.00191	.00422	.02616	.00016	.00011	68.061	.00267
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	.01961	.04446	3.0116	.15224	.00232	.63241	.03292	.00088
Stddev	.00019	.00002	.00018	.0012	.02812	.00046	.00220	.00010	.00013
%RSD	22.505	.09511	.39908	.03895	18.474	19.820	.34822	.30474	15.051
#1	.00097	.01963	.04459	3.0124	.17212	.00265	.63085	.03285	.00098
#2	.00071	.01960	.04433	3.0108	.13235	.00200	.63397	.03299	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.74058	.00408	.89582	.02449	.28309	-.00047	.00055	.86846	.01463
Stddev	.00241	.00007	.00432	.00155	.00572	.00006	.00461	.00401	.00041
%RSD	.32551	1.6869	.48246	6.3237	2.0203	12.415	845.22	.46231	2.7931
#1	.74228	.00412	.89277	.02340	.27904	-.00051	-.00271	.86562	.01435
#2	.73887	.00403	.89888	.02559	.28713	-.00043	.00381	.87130	.01492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37471	.00643	.08061	.00246	.02186	.00584	.19600	.00007
Stddev	.00035	.00122	.00427	.00083	.00469	.00015	.00026	.00029
%RSD	.09304	18.906	5.3027	33.614	21.463	2.6030	.13108	417.21
#1	.37446	.00557	.07759	.00188	.02518	.00573	.19618	.00027
#2	.37495	.00729	.08363	.00305	.01854	.00595	.19582	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5029.5	84352.	6607.2
Stddev	7.8	472.	11.1
%RSD	.15552	.55905	.16807
#1	5024.0	84686.	6615.0
#2	5035.0	84019.	6599.3

Sample Name: ccvh-2982968 Acquired: 11/17/2014 13:15:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00666**	**50.221**	**-.00011**	**.00187**	**.00054**	**-.00003**	**1.0150**	**-.00565**	**-.00040**	**.00170**	**.00022**	**-.00290**	**49.917**
Stddev	.00016	.139	.00158	.00001	.00001	.00000	.0038	.00419	.00003	.00013	.00003	.00016	.087
%RSD	2.3889	.27732	1384.2	.29688	1.0905	15.573	.37404	74.172	7.4463	7.8940	15.334	5.5501	.17516
#1	.00678	50.123	.00100	.00187	.00055	-.00003	1.0177	-.00269	-.00038	.00180	.00019	-.00278	49.979
#2	.00655	50.320	-.00123	.00186	.00054	-.00003	1.0124	-.00861	-.00042	.00161	.00024	-.00301	49.855
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06291**	**.00361**	**.13133**	**-.00306**	**-.00167**	**250.08**	**.00094**	**.00143**	**.00315**	**4.9407**	**-.00133**	**-.00018**	**-.00799**
Stddev	.00185	.00166	.00027	.00003	.00048	.31	.00026	.00267	.00101	.0032	.00166	.00393	.00349
%RSD	2.9463	45.999	.20307	.82584	28.615	.12286	27.997	186.65	31.923	.06385	125.37	2159.2	43.650
#1	.06160	.00244	.13114	-.00305	-.00201	249.86	.00075	-.00046	.00387	4.9429	-.00250	.00259	-.01045
#2	.06422	.00479	.13151	-.00308	-.00133	250.30	.00112	.00332	.00244	4.9385	-.00015	-.00296	-.00552
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00043**	**4.7280**	**-.02294**	**.00112**	**9.7997**	**.00395**	**-.00113**	**-.03687**
Stddev	.00050	.00004	.0079	.00018	.00269	.0309	.00036	.00036	.00058
%RSD	49.529	9.1625	.16777	.79146	239.05	.31504	8.9995	31.855	1.5835
#1	.00065	.00046	4.7224	-.02281	-.00078	9.8216	.00420	-.00138	-.03729
#2	.00136	.00040	4.7336	-.02307	.00302	9.7779	.00370	-.00087	-.03646
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4884.7**	**80612.**	**6428.5**
Stddev	3.0	265.	12.1
%RSD	.06182	.32920	.18827
#1	4882.5	80424.	6437.1
#2	4886.8	80800.	6420.0

Sample Name: ccv-2984587 Acquired: 11/17/2014 13:18:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49417**	**.51038**	**.98041**	**.49777**	**.50253**	**.49126**	**.01081**	**4.9606**	**.48831**	**.49413**	**.48862**	**.48437**	**2.5402**
Stddev	.00090	.00035	.00948	.00146	.00022	.00038	.00126	.0007	.00094	.00106	.00082	.00037	.0034
%RSD	.18271	.06781	.96669	.29320	.04443	.07814	11.663	.01422	.19182	.21399	.16761	.07704	.13536
#1	.49480	.51013	.97371	.49674	.50269	.49099	.01170	4.9601	.48764	.49338	.48804	.48410	2.5427
#2	.49353	.51062	.98711	.49880	.50237	.49153	.00992	4.9611	.48897	.49488	.48919	.48463	2.5378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.891**	**1.0081**	**19.387**	**.49290**	**.50267**	**5.2409**	**.49328**	**.96810**	**.99855**	**-.00329**	**.98840**	**1.0039**	**4.9083**
Stddev	.101	.0024	.004	.00042	.00152	.0037	.00030	.00347	.00175	.00377	.00244	.0025	.0208
%RSD	.20633	.23381	.01933	.08450	.30208	.07131	.06175	.35829	.17483	114.50	.24693	.24806	.42327
#1	48.820	1.0064	19.384	.49320	.50160	5.2436	.49307	.96565	.99731	-.00063	.98667	1.0057	4.8936
#2	48.963	1.0097	19.389	.49261	.50374	5.2383	.49350	.97055	.99978	-.00595	.99012	1.0022	4.9230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0002**	**.49213**	**.02430**	**.49257**	**1.0043**	**-.00277**	**.48843**	**.48696**	**.49003**
Stddev	.0014	.00099	.00087	.00052	.0033	.00712	.00070	.00062	.00094
%RSD	.13588	.20127	3.5702	.10476	.33211	257.47	.14294	.12827	.19088
#1	1.0012	.49143	.02369	.49221	1.0020	.00227	.48893	.48741	.48937
#2	.99924	.49283	.02491	.49294	1.0067	-.00780	.48794	.48652	.49069
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4988.7**	**82768.**	**6422.4**
Stddev	5.8	85.	34.3
%RSD	.11677	.10308	.53466
#1	4992.8	82829.	6446.7
#2	4984.6	82708.	6398.1

Sample Name: CCB Acquired: 11/17/2014 13:21:05 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00465**	**-.00167**	**.00079**	**.00023**	**.00018**	**-.00076**	**.00003**	**.00014**	**.00017**	**-.00007**
Stddev	.00022	.00062	.00024	.00046	.00001	.00004	.00203	.00216	.00017	.00001	.00003
%RSD	121.22	13.290	14.587	57.355	3.3568	20.475	266.26	6859.3	120.74	7.6524	50.224
#1	.00003	-.00508	-.00150	.00112	.00024	.00016	.00067	-.00150	.00002	.00018	-.00004
#2	.00034	-.00421	-.00185	.00047	.00023	.00021	-.00220	.00156	.00026	.00016	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00264**	**.06362**	**.00097**	**.00612**	**.00006**	**.00018**	W **.09541**	**-.00038**	**.00079**	**.00114**
Stddev	.00009	.00110	.05353	.00221	.00156	.00003	.00012	.00132	.00010	.00305	.00020
%RSD	13.357	41.491	84.136	228.10	25.440	52.890	63.784	1.3789	25.908	386.99	17.424
#1	-.00075	.00342	.10147	-.00059	.00502	.00008	.00010	.09634	-.00045	.00295	.00100
#2	-.00062	.00187	.02577	.00253	.00722	.00004	.00026	.09448	-.00031	-.00137	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.00016**	W **-.00657**	**.01380**	**.00067**	**.00011**	**.00286**	**.00046**	**.00111**	**.00312**	**-.00014**
Stddev	.00151	.00005	.00369	.00128	.00051	.00003	.00206	.00006	.00133	.01421	.00026
%RSD	382.43	28.608	56.141	9.2625	75.676	28.737	71.885	12.340	119.45	455.77	195.58
#1	-.00146	-.00020	-.00918	.01470	.00103	.00014	.00432	.00050	.00017	-.00693	-.00032
#2	.00067	-.00013	-.00396	.01289	.00031	.00009	.00141	.00042	.00206	.01316	.00005
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00115**	**.00037**
Stddev	.00064	.00138
%RSD	55.808	376.64
#1	-.00069	.00134
#2	-.00160	-.00061
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5063.9**	**84352.**	**6435.9**
Stddev	4.3	384.	11.6
%RSD	.08567	.45513	.18063
#1	5067.0	84623.	6427.7
#2	5060.9	84080.	6444.1

Sample Name: CCVL2994499 Acquired: 11/17/2014 13:23:47 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01115**	**.10214**	**.01515**	**.10113**	**.01057**	**.00104**	**.11199**	**.21847**	**.00528**	**.01041**	**.01010**	**.01498**
Stddev	.00027	.00147	.00154	.00038	.00016	.00006	.00303	.00374	.00001	.00021	.00009	.00013
%RSD	2.4575	1.4397	10.151	.37322	1.4670	5.7794	2.7037	1.7103	.22876	2.0347	.93036	.83769
#1	.01096	.10318	.01624	.10140	.01068	.00100	.11413	.22111	.00528	.01056	.01017	.01507
#2	.01134	.10110	.01407	.10086	.01046	.00109	.10984	.21583	.00529	.01026	.01004	.01489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10684**	**3.1165**	**.01075**	**.21131**	**.01035**	**.02027**	**1.1591**	**.04109**	**2.8808**	W **.01135**	**.00100**	**.01015**
Stddev	.00137	.0177	.00201	.00021	.00003	.00025	.0046	.00008	.0067	.00046	.00113	.00305
%RSD	1.2822	.56675	18.663	.09873	.27658	1.2306	.40136	.18455	.23266	4.0901	112.57	30.005
#1	.10588	3.1290	.00933	.21116	.01033	.02045	1.1558	.04115	2.8856	.01102	.00020	.00800
#2	.10781	3.1040	.01217	.21146	.01037	.02009	1.1624	.04104	2.8761	.01167	.00180	.01230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value										.00900		
Range										20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01454**	**.48683**	**.10378**	**.01025**	W **.01878**	**.01054**	**.01566**	F **.10025**	**.01011**	**.02216**	**.01474**
Stddev	.00168	.01813	.00045	.00007	.00073	.00025	.00138	.00855	.00016	.00021	.00136
%RSD	11.585	3.7244	.43755	.63987	3.9095	2.3907	8.8259	8.5279	1.5652	.93296	9.2230
#1	.01573	.49965	.10410	.01030	.01930	.01072	.01469	.09421	.01000	.02231	.01570
#2	.01335	.47401	.10346	.01020	.01826	.01036	.01664	.10630	.01023	.02202	.01378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5078.9**	**85047.**	**6473.6**
Stddev	15.1	81.	4.5
%RSD	.29801	.09550	.07014
#1	5068.2	85105.	6476.8
#2	5089.6	84990.	6470.4

Sample Name: MB 280-251119/1-A Acquired: 11/17/2014 13:26:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/4 Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00487**	**.00159**	**-.00030**	**.00011**	**.00008**	**-.00031**	**-.00001**	**-.00005**
Stddev	.00007	.00057	.00089	.00025	.00001	.00005	.00093	.00156	.00010
%RSD	8.7125	11.655	56.088	84.200	9.3148	62.810	301.06	14372.	188.50
#1	.00088	-.00447	.00222	-.00012	.00012	.00012	-.00097	-.00111	-.00012
#2	.00078	-.00528	.00096	-.00048	.00010	.00005	.00035	.00109	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00025**	**-.00047**	**.00523**	**.04475**	**.00083**	**.00446**	**.00015**	**.00015**
Stddev	.00028	.00004	.00039	.00200	.02961	.00079	.00103	.00000	.00001
%RSD	348.29	17.545	81.863	38.205	66.169	95.950	22.995	2.7008	3.7867
#1	-.00028	-.00029	-.00075	.00382	.02381	.00027	.00374	.00015	.00015
#2	.00012	-.00022	-.00020	.00664	.06569	.00139	.00519	.00015	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07793**	**-.00050**	**-.00053**	**.00144**	**.00184**	**.00068**	**-.00440**	**-.01442**	**-.00105**
Stddev	.00635	.00007	.00075	.00100	.00314	.00219	.00078	.01551	.00068
%RSD	8.1437	13.810	143.36	69.848	171.19	321.71	17.725	107.57	64.761
#1	.08241	-.00045	-.00106	.00073	-.00039	.00223	-.00495	-.00345	-.00152
#2	.07344	-.00055	.00001	.00215	.00406	-.00087	-.00384	-.02539	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00384**	**.00076**	**.00077**	**.02830**	**.00007**	**.00081**	**-.00148**
Stddev	.00011	.00116	.00030	.00014	.02611	.00018	.00009	.00122
%RSD	675.22	30.121	39.386	18.339	92.246	246.21	11.586	82.610
#1	.00006	.00302	.00098	.00087	.04676	-.00005	.00087	-.00234
#2	-.00009	.00466	.00055	.00067	.00984	.00020	.00074	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5118.8**	**85736.**	**6535.7**
Stddev	18.4	266.	32.0
%RSD	.35920	.31013	.48900
#1	5131.8	85924.	6558.3
#2	5105.8	85548.	6513.1

Sample Name: LCS 280-251119/2-A Acquired: 11/17/2014 13:29:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05572**	**2.0344**	**1.0077**	**1.0582**	**2.0920**	**.05107**	**2.1696**	**51.770**	**.09732**
Stddev	.00052	.0040	.0050	.0013	.0000	.00024	.0004	.019	.00025
%RSD	.93770	.19401	.49904	.12658	.00044	.47184	.01691	.03747	.25309
#1	.05535	2.0316	1.0042	1.0573	2.0920	.05124	2.1699	51.756	.09715
#2	.05609	2.0372	1.0113	1.0592	2.0920	.05090	2.1693	51.784	.09749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50682**	**.20378**	**.25059**	**1.0484**	**51.517**	**1.0488**	**50.234**	**.50963**	**1.0628**
Stddev	.00158	.00019	.00011	.0039	.084	.0020	.004	.00029	.0019
%RSD	.31154	.09536	.04534	.37591	.16363	.18829	.00883	.05787	.17649
#1	.50570	.20364	.25067	1.0511	51.577	1.0502	50.231	.50984	1.0615
#2	.50794	.20392	.25051	1.0456	51.457	1.0474	50.238	.50943	1.0641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.205**	**.50179**	**10.478**	**.51784**	**2.0917**	**.52758**	**2.1202**	**10.293**	**2.0832**
Stddev	.227	.00128	.006	.00070	.0041	.00147	.0056	.051	.0024
%RSD	.42743	.25532	.05439	.13517	.19387	.27835	.26254	.49849	.11545
#1	53.044	.50089	10.482	.51834	2.0945	.52862	2.1241	10.257	2.0815
#2	53.366	.50270	10.474	.51735	2.0888	.52654	2.1162	10.329	2.0849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0226**	**.99824**	**1.0231**	**2.0338**	**2.0598**	**.51531**	**.50087**	**.50499**
Stddev	.0001	.00043	.0005	.0040	.0063	.00086	.00012	.00012
%RSD	.01033	.04316	.04869	.19777	.30842	.16784	.02391	.02439
#1	1.0225	.99855	1.0228	2.0310	2.0553	.51593	.50079	.50507
#2	1.0227	.99794	1.0235	2.0366	2.0643	.51470	.50096	.50490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4879.9**	**81437.**	**6455.0**
Stddev	20.2	59.	32.1
%RSD	.41420	.07221	.49796
#1	4894.2	81396.	6432.3
#2	4865.6	81479.	6477.8

Sample Name: 280-61959-A-1-A Acquired: 11/17/2014 13:31:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.01978**	**.00109**	**7.6163**	**.02590**	**.00006**	**-.00386**	W **580.53**	**.00093**
Stddev	.00073	.00067	.00200	.0110	.00033	.00002	.00073	3.46	.00000
%RSD	338.82	3.3988	184.45	.14433	1.2729	34.484	18.870	.59616	.44692
#1	-.00030	-.02025	-.00033	7.6241	.02614	.00005	-.00438	582.98	.00093
#2	.00073	-.01930	.00250	7.6086	.02567	.00008	-.00335	578.08	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00524**	**.00015**	**.00071**	**.53270**	**21.448**	**1.3396**	**247.99**	**.28338**	**.00243**
Stddev	.00013	.00024	.00031	.00033	.127	.0003	1.85	.00071	.00014
%RSD	2.5312	162.71	43.198	.06123	.59042	.01862	.74536	.25207	5.6378
#1	.00534	.00032	.00049	.53247	21.358	1.3394	246.69	.28288	.00253
#2	.00515	-.00002	.00092	.53293	21.537	1.3397	249.30	.28389	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1213.8**	**.00904**	**.07942**	**-.00059**	**1024.7**	**.00261**	W **-.00912**	**7.9748**	**-.00239**
Stddev	.2	.00014	.00095	.00004	2.7	.00035	.00434	.0117	.00005
%RSD	.01598	1.5858	1.2022	6.0132	.26227	13.286	47.547	.14638	2.0034
#1	1213.9	.00894	.07874	-.00062	1026.6	.00237	-.01219	7.9665	-.00242
#2	1213.7	.00914	.08009	-.00057	1022.8	.00286	-.00605	7.9831	-.00235
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	500.00						5.0000		
Low Limit	10.000						-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.029**	**.00260**	**.00119**	**.00300**	**.08677**	**.00150**	**.00494**	**-.00174**
Stddev	.013	.00161	.00035	.00327	.00180	.00033	.00083	.00158
%RSD	.10074	61.733	29.133	108.71	2.0694	21.904	16.822	90.840
#1	13.038	.00147	.00095	.00531	.08804	.00173	.00552	-.00285
#2	13.019	.00374	.00144	.00070	.08550	.00126	.00435	-.00062
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4384.3**	**72726.**	**6199.4**
Stddev	8.1	317.	14.0
%RSD	.18391	.43633	.22514
#1	4378.6	72950.	6189.5
#2	4390.0	72501.	6209.3

Sample Name: 280-61959-A-1-A SD@5 Acquired: 11/17/2014 13:34:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.01318**	**.00237**	**1.6247**	**.00512**	**.00003**	**.00118**	**115.56**	**.00035**
Stddev	.00003	.00057	.00508	.0302	.00018	.00002	.00112	.78	.00002
%RSD	8.5969	4.3246	213.82	1.8571	3.5956	69.116	94.573	.67470	5.7241
#1	.00033	-.01358	.00596	1.6033	.00499	.00002	.00197	115.01	.00034
#2	.00029	-.01278	-.00122	1.6460	.00525	.00005	.00039	116.11	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00014**	**-.00001**	**.11942**	**3.9728**	**.24880**	**49.184**	**.05613**	**.00035**
Stddev	.00016	.00030	.00013	.00124	.0018	.00042	.363	.00030	.00008
%RSD	12.450	209.18	1168.1	1.0388	.04533	.16684	.73875	.53850	22.375
#1	.00142	-.00007	-.00011	.11854	3.9740	.24851	48.927	.05591	.00040
#2	.00119	.00035	.00008	.12030	3.9715	.24910	49.441	.05634	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**228.69**	**.00156**	**.01879**	**-.00081**	**210.52**	**-.00034**	**-.00100**	**1.4853**	**-.00055**
Stddev	1.77	.00022	.00150	.00196	3.69	.00275	.00906	.0049	.00091
%RSD	.77306	14.041	7.9952	242.80	1.7516	798.01	907.50	.32914	167.67
#1	227.44	.00171	.01773	-.00219	207.91	.00160	-.00741	1.4818	.00010
#2	229.94	.00140	.01986	.00058	213.12	-.00229	.00541	1.4888	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5276**	**.00449**	**.00032**	**.00258**	**-.00388**	**.00042**	**.00086**	**-.00161**
Stddev	.0159	.00017	.00021	.00223	.00454	.00014	.00023	.00030
%RSD	.62917	3.8091	64.791	86.240	116.93	33.028	26.551	18.374
#1	2.5163	.00437	.00046	.00416	-.00067	.00052	.00102	-.00140
#2	2.5388	.00461	.00017	.00101	-.00709	.00032	.00070	-.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4830.4**	**80893.**	**6515.9**
Stddev	10.5	191.	15.8
%RSD	.21782	.23622	.24226
#1	4837.8	81028.	6527.1
#2	4823.0	80758.	6504.8

Sample Name: 280-61959-A-1-B MS Acquired: 11/17/2014 13:37:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05763**	**1.8035**	**1.0480**	**8.3013**	**2.0872**	**.04887**	**2.0966**	W **602.12**	**.09825**
Stddev	.00038	.0077	.0050	.0059	.0005	.00016	.0042	1.08	.00011
%RSD	.65493	.42614	.48232	.07161	.02348	.33688	.20152	.17998	.10908
#1	.05737	1.7981	1.0444	8.3055	2.0868	.04898	2.0996	602.89	.09833
#2	.05790	1.8089	1.0516	8.2971	2.0875	.04875	2.0936	601.36	.09817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47764**	**.19483**	**.24629**	**1.5438**	**73.892**	**2.3630**	**283.98**	**.75697**	**1.0368**
Stddev	.00028	.00012	.00030	.0021	.012	.0036	.26	.00111	.0005
%RSD	.05875	.06179	.12137	.13485	.01579	.15287	.09042	.14630	.04678
#1	.47783	.19475	.24608	1.5453	73.884	2.3655	284.16	.75775	1.0371
#2	.47744	.19492	.24650	1.5423	73.900	2.3604	283.80	.75618	1.0364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1212.2**	**.47220**	**11.192**	**.45858**	**992.00**	**.53002**	**2.1965**	**17.900**	**1.9344**
Stddev	.4	.00015	.023	.00011	.15	.00527	.0075	.055	.0016
%RSD	.03361	.03225	.20602	.02357	.01462	.99494	.34187	.30649	.08437
#1	1212.5	.47209	11.208	.45850	992.10	.52629	2.2018	17.939	1.9333
#2	1211.9	.47231	11.175	.45865	991.89	.53375	2.1912	17.862	1.9356
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.418**	**.98663**	**1.0037**	**1.6716**	**2.0542**	**.50977**	**.47586**	**.49178**
Stddev	.020	.00122	.0017	.0038	.0443	.00120	.00048	.00185
%RSD	.15010	.12362	.17032	.22537	2.1546	.23488	.10004	.37701
#1	13.432	.98577	1.0049	1.6743	2.0229	.50892	.47620	.49309
#2	13.403	.98749	1.0025	1.6689	2.0855	.51062	.47553	.49047
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4378.9**	**73513.**	**6303.0**
Stddev	1.5	309.	.8
%RSD	.03449	.42033	.01239
#1	4377.8	73294.	6303.6
#2	4380.0	73731.	6302.5

Sample Name: 280-61959-A-1-C MSD Acquired: 11/17/2014 13:40:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05845**	**1.8426**	**1.0597**	**8.5129**	**2.1203**	**.04967**	**2.1341**	W **616.25**	**.09997**
Stddev	.00129	.0049	.0037	.0092	.0030	.00015	.0002	4.05	.00010
%RSD	2.2051	.26418	.34953	.10825	.14069	.29996	.01129	.65642	.10151
#1	.05754	1.8391	1.0624	8.5064	2.1224	.04978	2.1339	619.11	.10004
#2	.05936	1.8460	1.0571	8.5194	2.1182	.04957	2.1343	613.39	.09990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48631**	**.19865**	**.24999**	**1.5301**	**75.676**	**2.4077**	**289.71**	**.77216**	**1.0572**
Stddev	.00150	.00030	.00009	.0032	.127	.0003	.86	.00102	.0012
%RSD	.30864	.15308	.03581	.20738	.16803	.01023	.29832	.13192	.11477
#1	.48525	.19844	.25005	1.5323	75.766	2.4079	289.09	.77288	1.0564
#2	.48737	.19887	.24993	1.5278	75.586	2.4076	290.32	.77144	1.0581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1241.6**	**.48101**	**11.551**	**.46849**	**1013.6**	**.53750**	**2.2369**	**18.251**	**1.9692**
Stddev	2.2	.00169	.033	.00075	1.2	.00282	.0023	.015	.0064
%RSD	.17894	.35195	.28580	.16041	.12069	.52390	.10150	.08262	.32598
#1	1243.2	.47982	11.528	.46795	1012.7	.53950	2.2385	18.241	1.9647
#2	1240.0	.48221	11.575	.46902	1014.5	.53551	2.2353	18.262	1.9738
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.871**	**1.0032**	**1.0201**	**1.6998**	**2.0665**	**.51663**	**.48275**	**.50040**
Stddev	.111	.0013	.0008	.0058	.0335	.00035	.00022	.00255
%RSD	.80182	.12619	.07717	.34044	1.6194	.06834	.04615	.50869
#1	13.950	1.0023	1.0206	1.6957	2.0902	.51638	.48291	.49860
#2	13.793	1.0041	1.0195	1.7039	2.0429	.51688	.48260	.50220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4339.7**	**73090.**	**6302.4**
Stddev	6.0	4.	10.2
%RSD	.13808	.00523	.16231
#1	4343.9	73087.	6295.2
#2	4335.4	73093.	6309.7

Sample Name: 280-61894-G-1-E Acquired: 11/17/2014 13:43:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00013**	**.03239**	**.51579**	**.03601**	**.00003**	**-.00722**	**52.062**	**-.00006**
Stddev	.00037	.00064	.00148	.00009	.00011	.00005	.00116	.107	.00022
%RSD	49.738	496.44	4.5763	.01774	.29732	150.40	16.108	.20633	396.27
#1	.00048	.00058	.03344	.51586	.03609	.00006	-.00640	51.986	.00010
#2	.00101	-.00032	.03134	.51573	.03593	-.00000	-.00804	52.138	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00142**	**-.00012**	**.01254**	**7.8160**	**.02047**	**12.237**	**.00043**	**.00719**
Stddev	.00004	.00011	.00033	.00046	.0082	.00058	.030	.00003	.00031
%RSD	11.948	7.4812	276.80	3.6350	.10448	2.8238	.24434	6.8742	4.3090
#1	-.00030	.00134	-.00035	.01222	7.8218	.02006	12.216	.00045	.00741
#2	-.00035	.00149	.00011	.01286	7.8102	.02088	12.258	.00040	.00697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.172**	**-.00010**	**.05427**	**.00055**	**34.931**	**-.00031**	**.00091**	**25.275**	**-.00106**
Stddev	.429	.00017	.00232	.00049	.184	.00091	.00205	.033	.00015
%RSD	.73700	165.23	4.2686	88.808	.52612	294.39	226.25	.13058	13.906
#1	57.869	.00002	.05263	.00020	34.801	.00033	.00236	25.298	-.00096
#2	58.475	-.00023	.05591	.00090	35.061	-.00095	-.00054	25.252	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41506**	**.00224**	**.00079**	**.00182**	**.04853**	**.01840**	**.00254**	**-.00064**
Stddev	.00069	.00131	.00012	.00214	.01522	.00007	.00051	.00062
%RSD	.16583	58.605	15.330	117.66	31.372	.35549	20.179	95.772
#1	.41457	.00131	.00088	.00334	.03776	.01835	.00218	-.00021
#2	.41555	.00317	.00071	.00031	.05930	.01844	.00290	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5138.9**	**86153.**	**6746.7**
Stddev	10.5	1737.	16.4
%RSD	.20441	2.0168	.24244
#1	5146.3	84924.	6735.1
#2	5131.4	87381.	6758.2

Sample Name: 280-61894-G-2-C Acquired: 11/17/2014 13:46:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00492**	**-.00068**	**.01959**	**.00021**	**.00004**	**-.00166**	**.05218**	**.00016**
Stddev	.00022	.00040	.00294	.00156	.00023	.00001	.00243	.00044	.00010
%RSD	108.83	8.0545	430.75	7.9430	108.18	25.105	146.47	.85227	63.870
#1	.00035	-.00520	-.00276	.02069	.00005	.00004	.00006	.05187	.00023
#2	.00005	-.00464	.00140	.01849	.00038	.00003	-.00338	.05250	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00015**	**.00031**	**.00243**	**.12269**	**.00125**	**.01866**	**.00009**	**.00040**
Stddev	.00016	.00002	.00013	.00261	.00170	.00181	.00131	.00002	.00001
%RSD	1012.4	13.741	42.802	107.12	1.3847	145.11	7.0263	17.394	2.3400
#1	.00010	.00016	.00022	.00428	.12389	.00253	.01774	.00011	.00041
#2	-.00013	.00014	.00041	.00059	.12149	-.00003	.01959	.00008	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60513**	**-.00042**	**-.00030**	**.00122**	**.11912**	**.00247**	**.00153**	**.02165**	**-.00034**
Stddev	.00042	.00022	.00111	.00096	.00841	.00011	.00745	.00037	.00040
%RSD	.06898	52.215	374.97	79.016	7.0561	4.5115	486.82	1.7152	116.80
#1	.60543	-.00057	.00049	.00054	.12506	.00254	.00680	.02138	-.00006
#2	.60484	-.00026	-.00108	.00190	.11318	.00239	-.00374	.02191	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00244**	**.00048**	**-.00030**	**.00708**	**-.00050**	**.00000**	**.00024**
Stddev	.00016	.00205	.00005	.00005	.01320	.00018	.00038	.00090
%RSD	18.095	83.807	11.338	16.438	186.51	35.461	14698.	375.94
#1	.00103	.00389	.00044	-.00027	.01642	-.00037	-.00027	-.00040
#2	.00080	.00100	.00052	-.00034	-.00226	-.00062	.00027	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5293.1**	**89566.**	**6874.9**
Stddev	7.5	125.	9.0
%RSD	.14109	.13993	.13092
#1	5298.4	89655.	6868.5
#2	5287.8	89478.	6881.3

Sample Name: 280-61902-D-1-A Acquired: 11/17/2014 13:49:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251119 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.02042**	**-.00020**	**.06868**	**.09585**	**.00005**	**-.00283**	**45.386**	**.00022**
Stddev	.00001	.00108	.00007	.00050	.00047	.00004	.00277	.182	.00029
%RSD	1.4459	5.3132	36.206	.72538	.49016	78.869	97.865	.40067	135.09
#1	.00078	.01965	-.00025	.06903	.09618	.00008	-.00479	45.515	.00001
#2	.00076	.02118	-.00015	.06833	.09552	.00002	-.00087	45.257	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00259**	**.00167**	**.08462**	**3.2052**	**.00248**	**8.6085**	**.00120**	**.00203**
Stddev	.00019	.00005	.00013	.00247	.0179	.00055	.0227	.00003	.00039
%RSD	137.17	1.7804	7.8937	2.9245	.55705	22.244	.26421	2.1497	19.025
#1	-.00000	.00262	.00177	.08637	3.1926	.00209	8.5924	.00122	.00176
#2	-.00028	.00256	.00158	.08287	3.2178	.00286	8.6245	.00118	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.383**	**.00020**	**.01036**	**.00069**	**6.3628**	**-.00042**	**-.00124**	**7.6658**	**.00000**
Stddev	.289	.00066	.00065	.00088	.0083	.00096	.00213	.0216	.00035
%RSD	2.1583	336.70	6.2779	127.10	.12984	229.49	171.45	.28230	11368.
#1	13.179	.00066	.01082	.00131	6.3687	-.00110	.00026	7.6811	.00025
#2	13.588	-.00027	.00990	.00007	6.3570	.00026	-.00275	7.6505	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41183**	**.00489**	**.00156**	**.00064**	**-.01061**	**.00203**	**.00282**	**-.00024**
Stddev	.00177	.00110	.00043	.00255	.01454	.00003	.00034	.00049
%RSD	.43096	22.539	27.821	400.36	137.11	1.6098	11.979	200.49
#1	.41308	.00411	.00126	.00244	-.02089	.00201	.00258	.00010
#2	.41057	.00567	.00187	-.00117	-.00032	.00206	.00306	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5192.0**	**87408.**	**6909.8**
Stddev	8.7	220.	7.0
%RSD	.16738	.25155	.10169
#1	5198.1	87563.	6904.8
#2	5185.8	87252.	6914.8

Sample Name: ccvh-2982968 Acquired: 11/17/2014 13:51:49 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00727**	**49.341**	**-.00019**	**.01086**	**.00062**	**-.00003**	**1.0321**	**-.02877**	**-.00028**	**.00165**	**.00033**	**-.00265**	**49.096**
Stddev	.00022	.160	.00274	.00098	.00013	.00008	.0001	.00055	.00001	.00016	.00017	.00034	.139
%RSD	2.9882	.32406	1410.9	9.0666	21.110	232.58	.00502	1.9262	3.4574	9.5049	50.581	12.984	.28289
#1	.00743	49.454	.00174	.01155	.00071	-.00009	1.0322	-.02838	-.00028	.00154	.00045	-.00289	49.194
#2	.00712	49.228	-.00213	.01016	.00052	.00002	1.0321	-.02917	-.00027	.00176	.00021	-.00241	48.997
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18566**	**.00174**	**.12891**	**-.00299**	**-.00157**	**246.85**	**.00086**	**.00259**	**.00296**	**5.0817**	**-.00206**	**-.00184**	**-.02195**
Stddev	.05302	.00065	.00109	.00000	.00036	.59	.00046	.00182	.00031	.0044	.00144	.00451	.01823
%RSD	28.555	37.315	.84243	.09885	23.067	.23794	53.018	70.277	10.464	.08683	69.954	245.44	83.074
#1	.14818	.00128	.12814	-.00299	-.00182	247.26	.00119	.00387	.00318	5.0848	-.00104	.00135	-.03484
#2	.22315	.00220	.12968	-.00299	-.00131	246.43	.00054	.00130	.00274	5.0785	-.00308	-.00503	-.00905
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00041**	**4.6702**	**-.02277**	**.00155**	**9.7192**	**.00354**	**-.00100**	**-.03480**
Stddev	.00008	.00002	.0021	.00009	.00098	.0696	.00008	.00003	.00173
%RSD	6.4655	4.9623	.04536	.37873	62.852	.71571	2.2795	2.9201	4.9659
#1	.00134	.00039	4.6687	-.02283	.00086	9.6701	.00348	-.00098	-.03603
#2	.00122	.00042	4.6717	-.02271	.00224	9.7684	.00360	-.00103	-.03358
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5031.8**	**84402.**	**6781.2**
Stddev	7.3	186.	7.6
%RSD	.14563	.22006	.11268
#1	5026.6	84271.	6775.8
#2	5036.9	84533.	6786.6

Sample Name: ccv-2984587 Acquired: 11/17/2014 13:54:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50116**	**.50641**	**.98143**	**.50916**	**.49644**	**.48587**	**.01000**	**4.8935**	**.49626**	**.48957**	**.48376**	**.49478**	**2.4982**	**48.503**
Stddev	.00068	.00647	.00083	.00017	.00077	.00044	.00165	.0076	.00060	.00002	.00067	.00072	.0004	.040
%RSD	.13648	1.2772	.08472	.03244	.15600	.08971	16.457	.15458	.12101	.00420	.13767	.14480	.01409	.08216
#1	.50164	.50184	.98084	.50905	.49589	.48618	.00884	4.8882	.49583	.48956	.48329	.49529	2.4985	48.532
#2	.50067	.51098	.98201	.50928	.49699	.48556	.01116	4.8989	.49668	.48959	.48423	.49428	2.4980	48.475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0028**	**19.201**	**.48383**	**.49705**	**5.3372**	**.48813**	**.97243**	**.99645**	**.05472**	**1.0121**	**1.0264**	**4.8007**	**.99414**	**.48820**
Stddev	.0016	.032	.00001	.00127	.0262	.00041	.00503	.00259	.00798	.0017	.0061	.0016	.00067	.00061
%RSD	.16072	.16859	.00208	.25576	.49157	.08440	.51772	.26030	14.577	.16982	.59006	.03309	.06749	.12595
#1	1.0040	19.224	.48384	.49615	5.3557	.48783	.96887	.99461	.04908	1.0109	1.0221	4.8018	.99366	.48863
#2	1.0017	19.178	.48383	.49795	5.3186	.48842	.97599	.99828	.06036	1.0133	1.0307	4.7996	.99461	.48776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02429**	**.48490**	**1.0142**	**.02325**	**.47993**	**.46711**	**.48254**
Stddev	.00100	.00023	.0029	.00997	.00008	.00014	.00296
%RSD	4.1274	.04787	.28755	42.870	.01727	.02997	.61262
#1	.02500	.48473	1.0121	.01620	.47999	.46721	.48463
#2	.02358	.48506	1.0162	.03030	.47988	.46702	.48045
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5167.9**	**86758.**	**6823.1**
Stddev	18.2	78.	3.3
%RSD	.35228	.09007	.04848
#1	5180.8	86703.	6820.8
#2	5155.0	86814.	6825.5

Sample Name: CCB Acquired: 11/17/2014 13:56:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00316**	**.00052**	F **.00618**	**-.00006**	**.00019**	**-.00012**	**-.00520**	**.00030**	**-.00019**	**-.00013**	**.00003**
Stddev	.00057	.00053	.00041	.00003	.00015	.00007	.00040	.00345	.00010	.00010	.00009	.00016
%RSD	104.68	16.712	78.930	.56005	262.59	36.587	337.10	66.366	33.879	50.712	67.670	532.34
#1	.00094	-.00278	.00082	.00620	-.00016	.00024	.00017	-.00765	.00037	-.00012	-.00007	.00014
#2	.00014	-.00353	.00023	.00615	.00005	.00014	-.00040	-.00276	.00023	-.00026	-.00019	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**.14173**	**.00140**	**.00374**	**.00005**	**.00016**	F **.22782**	**-.00035**	**-.00076**	**.00191**	**.03858**	**.00148**
Stddev	.00078	.00408	.00002	.00060	.00008	.00021	.00592	.00041	.00167	.00118	.00295	.00084
%RSD	18.504	2.8783	1.4306	16.144	147.94	137.50	2.5975	116.69	220.47	61.425	7.6342	57.169
#1	.00475	.13884	.00139	.00332	.00010	.00000	.22363	-.00064	.00042	.00274	.04067	.00088
#2	.00365	.14461	.00142	.00417	-.00000	.00031	.23200	-.00006	-.00194	.00108	.03650	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**-.01162**	**.00021**	**.00016**	**.00270**	W **.00063**	**-.00067**	**-.01045**	**-.00038**	**-.00082**	**.00042**
Stddev	.00356	.00380	.00024	.00001	.00079	.00016	.00055	.00939	.00053	.00016	.00003
%RSD	129.15	32.662	112.27	6.3766	29.244	25.597	82.278	89.843	138.45	19.396	7.0459
#1	.00527	-.00894	.00038	.00015	.00215	.00074	-.00028	-.01709	-.00001	-.00071	.00040
#2	.00024	-.01431	.00004	.00017	.00326	.00052	-.00106	-.00381	-.00076	-.00094	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5258.6**	**88266.**	**6819.6**
Stddev	6.6	52.	9.4
%RSD	.12577	.05885	.13834
#1	5253.9	88230.	6826.3
#2	5263.3	88303.	6813.0

Sample Name: CCVL2994263 Acquired: 11/17/2014 13:59:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01163**	**.09932**	F **.01039**	**.10554**	**.01035**	**.00099**	**.11587**	**.20324**	**.00537**	**.01007**	**.00992**	**.01553**
Stddev	.00027	.00121	.00249	.00051	.00008	.00001	.00017	.00173	.00006	.00007	.00022	.00000
%RSD	2.3391	1.2170	23.947	.48011	.79605	1.2213	.14273	.85140	1.0935	.65091	2.2349	.00981
#1	.01144	.09846	.01214	.10518	.01040	.00098	.11576	.20446	.00532	.01002	.01007	.01553
#2	.01182	.10017	.00863	.10590	.01029	.00100	.11599	.20202	.00541	.01011	.00976	.01553
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500									
Range			-30.000%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10343**	**3.1306**	W **.01277**	**.20912**	**.01017**	**.02020**	W **1.2766**	**.04038**	**2.8866**	F **.01182**	**.03872**	**.01104**
Stddev	.00310	.0129	.00133	.00081	.00002	.00029	.0075	.00034	.0004	.00047	.00493	.00139
%RSD	2.9991	.41135	10.433	.38637	.16199	1.4202	.58496	.84599	.01572	3.9729	12.730	12.575
#1	.10562	3.1215	.01183	.20970	.01016	.02040	1.2819	.04062	2.8862	.01215	.03524	.01202
#2	.10124	3.1397	.01371	.20855	.01018	.01999	1.2713	.04014	2.8869	.01149	.04221	.01005
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass
Value			.01000				1.0000			.00900		
Range			20.000%				20.000%			30.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01190**	**.49981**	**.10218**	**.01026**	**.01795**	**.01010**	**.01549**	F **.08487**	**.00916**	**.01969**	**.01632**
Stddev	.00403	.01709	.00043	.00002	.00177	.00020	.00028	.02426	.00047	.00014	.00037
%RSD	33.888	3.4186	.42519	.19877	9.8409	1.9727	1.7896	28.579	5.1417	.72546	2.2732
#1	.00905	.48773	.10187	.01028	.01670	.01024	.01569	.10202	.00883	.01959	.01658
#2	.01475	.51190	.10249	.01025	.01920	.00996	.01530	.06772	.00949	.01980	.01606
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500							.06000			
Range	-20.000%							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5274.3**	**88858.**	**6837.0**
Stddev	5.6	154.	37.3
%RSD	.10558	.17316	.54596
#1	5278.2	88749.	6810.6
#2	5270.4	88967.	6863.4

Sample Name: 280-61901-I-1-D Acquired: 11/17/2014 14:02:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/5 Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00612**	**.00069**	**.03771**	**.03455**	**.00003**	**-.00284**	**93.520**	**.00042**
Stddev	.00062	.00001	.00010	.00045	.00009	.00007	.00001	.325	.00007
%RSD	281.19	.23822	14.773	1.1866	.25173	223.52	.51323	.34801	17.288
#1	-.00022	-.00613	.00062	.03739	.03461	-.00002	-.00282	93.290	.00037
#2	.00066	-.00611	.00076	.03803	.03449	.00008	-.00285	93.751	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00090**	**.00068**	**.00656**	**.88321**	**.00685**	**36.030**	**.00057**	**.00147**
Stddev	.00005	.00001	.00007	.00080	.02173	.00143	.060	.00004	.00011
%RSD	23.022	1.0200	9.7316	12.224	2.4608	20.845	.16770	7.4001	7.2843
#1	-.00027	.00090	.00073	.00600	.86784	.00584	36.073	.00060	.00154
#2	-.00019	.00089	.00063	.00713	.89858	.00786	35.987	.00054	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5905**	**.00061**	**.00376**	**-.00003**	**11.855**	**.00033**	W **-.00670**	**11.767**	**-.00087**
Stddev	.0155	.00000	.00225	.00021	.006	.00062	.00035	.058	.00062
%RSD	.33654	.23632	59.871	651.65	.05165	190.29	5.2893	.49630	70.893
#1	4.5795	.00061	.00535	-.00018	11.859	.00076	-.00695	11.726	-.00131
#2	4.6014	.00061	.00217	.00011	11.850	-.00011	-.00645	11.808	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09035**	**.00144**	**.00038**	**.00185**	**.01883**	**.00059**	**.00005**	**-.00031**
Stddev	.00049	.00295	.00006	.00050	.00983	.00007	.00005	.00074
%RSD	.53698	205.01	16.885	27.033	52.213	11.158	105.15	240.50
#1	.09001	-.00065	.00043	.00220	.01188	.00064	.00009	.00022
#2	.09070	.00353	.00033	.00150	.02578	.00055	.00001	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5134.7**	**85890.**	**6859.4**
Stddev	16.4	25.	.9
%RSD	.31964	.02928	.01287
#1	5123.1	85908.	6858.7
#2	5146.3	85872.	6860.0

Sample Name: 280-61901-G-2-B Acquired: 11/17/2014 14:04:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.01614**	**-.00090**	**.15130**	**.05765**	**.00000**	**-.00476**	**122.54**	**.00044**
Stddev	.00010	.00297	.00100	.00475	.00000	.00001	.00007	.21	.00029
%RSD	35.821	18.385	110.99	3.1362	.00015	394.30	1.5094	.17343	65.904
#1	.00020	.01404	-.00019	.14795	.05765	.00001	-.00471	122.39	.00023
#2	.00034	.01824	-.00160	.15466	.05765	-.00001	-.00482	122.69	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00065**	**.00046**	**1.2195**	**4.6175**	**.00774**	**43.347**	**.14295**	**.00071**
Stddev	.00009	.00011	.00000	.0036	.0425	.00006	.086	.00023	.00008
%RSD	24.634	16.898	.20923	.29476	.92144	.81537	.19886	.16212	11.442
#1	.00041	.00073	.00046	1.2170	4.5875	.00769	43.286	.14279	.00066
#2	.00029	.00057	.00047	1.2221	4.6476	.00778	43.408	.14312	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**64.340**	**.00265**	**.01570**	**-.00079**	**23.824**	**-.00086**	**.00224**	**6.4883**	**-.00085**
Stddev	.023	.00014	.00014	.00086	.675	.00200	.00205	.0050	.00034
%RSD	.03509	5.3486	.89135	108.37	2.8348	234.13	91.516	.07655	39.869
#1	64.324	.00255	.01560	-.00019	23.346	-.00227	.00369	6.4848	-.00108
#2	64.356	.00275	.01580	-.00140	24.301	.00056	.00079	6.4918	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22918**	**.00220**	**.00109**	**.00321**	**.02538**	**.00006**	**.00050**	**-.00068**
Stddev	.00034	.00049	.00005	.00029	.02954	.00021	.00046	.00175
%RSD	.14647	22.017	4.5094	9.0810	116.37	328.11	91.398	255.74
#1	.22895	.00255	.00113	.00300	.00450	-.00008	.00082	.00055
#2	.22942	.00186	.00106	.00341	.04627	.00021	.00018	-.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4906.2**	**84508.**	**6813.5**
Stddev	155.4	4.	2.6
%RSD	3.1675	.00528	.03793
#1	5016.1	84505.	6815.3
#2	4796.3	84511.	6811.7

Sample Name: 280-61901-G-3-B Acquired: 11/17/2014 14:07:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**4.1622**	**.00632**	**.03029**	**.12604**	**.00020**	**-.00393**	**75.641**	**.00045**
Stddev	.00019	.0386	.00375	.00022	.00036	.00001	.00087	.041	.00007
%RSD	12.916	.92636	59.321	.73394	.28913	3.9929	22.218	.05467	16.208
#1	.00162	4.1895	.00898	.03045	.12579	.00020	-.00331	75.612	.00040
#2	.00135	4.1349	.00367	.03014	.12630	.00021	-.00454	75.670	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**.00587**	**.00685**	**4.8044**	**1.9847**	**.00872**	**57.015**	**.84761**	**.00180**
Stddev	.00002	.00004	.00006	.0010	.0640	.00144	.038	.00146	.00023
%RSD	.51703	.75030	.93684	.02122	3.2262	16.480	.06643	.17185	12.781
#1	.00302	.00590	.00680	4.8037	1.9394	.00973	57.042	.84864	.00164
#2	.00300	.00584	.00689	4.8051	2.0300	.00770	56.989	.84658	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9091**	**.00820**	**.23901**	**.00754**	**23.721**	**.00041**	**-.00083**	**18.163**	**.00002**
Stddev	.0049	.00022	.00297	.00095	.111	.00134	.00187	.015	.00023
%RSD	.06141	2.6331	1.2429	12.660	.46760	323.92	224.99	.08150	1258.6
#1	7.9125	.00836	.24111	.00822	23.642	.00136	.00049	18.153	.00018
#2	7.9057	.00805	.23691	.00687	23.799	-.00053	-.00216	18.174	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20305**	**.00432**	**.07518**	**.00275**	**-.00629**	**.00740**	**.02293**	**.00400**
Stddev	.00030	.00059	.00020	.00023	.02567	.00019	.00001	.00034
%RSD	.14695	13.544	.26529	8.5416	407.83	2.5384	.04139	8.4043
#1	.20284	.00391	.07504	.00291	.01186	.00753	.02294	.00423
#2	.20327	.00473	.07532	.00258	-.02445	.00726	.02293	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5137.0**	**85349.**	**6839.2**
Stddev	6.7	221.	26.0
%RSD	.13073	.25836	.37946
#1	5132.3	85193.	6857.6
#2	5141.8	85505.	6820.9

Sample Name: 280-61901-G-4-B Acquired: 11/17/2014 14:10:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.00274**	**-.00068**	**.16339**	**.20975**	**-.00000**	**-.00126**	**109.39**	**.00061**
Stddev	.00030	.00057	.00013	.00083	.00024	.00005	.00119	.43	.00017
%RSD	33.474	20.832	19.344	.50535	.11348	5186.6	93.902	.39154	27.291
#1	.00110	-.00314	-.00077	.16281	.20958	.00003	-.00210	109.09	.00073
#2	.00068	-.00233	-.00059	.16398	.20992	-.00003	-.00042	109.70	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00006**	**.00131**	**.09005**	**2.7465**	**.00929**	**53.322**	**.11018**	**.00282**
Stddev	.00010	.00013	.00019	.00117	.0157	.00082	.057	.00018	.00002
%RSD	31.022	228.44	14.259	1.2961	.57208	8.7930	.10650	.16104	.84858
#1	.00026	-.00003	.00144	.09088	2.7353	.00872	53.282	.11006	.00280
#2	.00040	.00015	.00118	.08923	2.7576	.00987	53.362	.11031	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.775**	**.00270**	**.00906**	**-.00055**	**17.436**	**.00072**	**-.00311**	**7.1242**	**-.00044**
Stddev	.180	.00008	.00187	.00029	.006	.00052	.00669	.0573	.00068
%RSD	.67405	3.0168	20.685	53.050	.03688	72.094	215.01	.80502	153.21
#1	26.648	.00276	.01038	-.00034	17.440	.00035	.00162	7.0837	-.00092
#2	26.903	.00264	.00773	-.00076	17.431	.00108	-.00785	7.1648	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8163**	**.00284**	**.00072**	**.00093**	**-.00584**	**.00043**	**.00484**	**-.00008**
Stddev	.0011	.00063	.00036	.00094	.01604	.00041	.00011	.00101
%RSD	.06149	22.289	50.014	100.83	274.72	95.491	2.3263	1279.0
#1	1.8171	.00329	.00098	.00027	-.01718	.00014	.00492	.00063
#2	1.8155	.00240	.00047	.00160	.00550	.00072	.00476	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5066.5**	**85177.**	**6760.8**
Stddev	6.4	82.	179.5
%RSD	.12548	.09643	2.6557
#1	5062.0	85119.	6887.7
#2	5071.0	85235.	6633.8

Sample Name: 280-61901-G-5-B Acquired: 11/17/2014 14:12:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00327**	**-.00034**	**.16416**	**.09369**	**.00001**	**-.00316**	**68.441**	**.00051**
Stddev	.00022	.00074	.00211	.00019	.00059	.00014	.00109	.228	.00004
%RSD	23.695	22.604	621.58	.11719	.63492	922.87	34.355	.33359	7.0337
#1	.00077	.00275	-.00183	.16430	.09411	-.00008	-.00239	68.603	.00054
#2	.00108	.00380	.00115	.16402	.09327	.00011	-.00393	68.280	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00631**	**.00243**	**.03899**	**6.1708**	**.00824**	**38.831**	**.00466**	**.00737**
Stddev	.00009	.00038	.00000	.00354	.0051	.00145	.046	.00006	.00001
%RSD	44.133	6.0300	.02776	9.0670	.08211	17.624	.11948	1.1865	.12157
#1	.00015	.00658	.00243	.04149	6.1673	.00926	38.798	.00470	.00737
#2	.00028	.00604	.00244	.03649	6.1744	.00721	38.864	.00462	.00736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.172**	**.01992**	**.00865**	**-.00025**	**18.989**	**.00123**	**.00703**	**5.0862**	**-.00030**
Stddev	.301	.00044	.00229	.00181	.006	.00096	.00293	.0130	.00057
%RSD	.31296	2.2292	26.533	711.34	.03277	78.322	41.666	.25452	188.43
#1	96.385	.02023	.01027	.00102	18.994	.00191	.00496	5.0953	-.00071
#2	95.959	.01960	.00703	-.00153	18.985	.00055	.00910	5.0770	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26630**	**.00420**	**.00038**	**.00298**	**.00294**	**.00039**	**.00152**	**-.00126**
Stddev	.00087	.00131	.00010	.00196	.01328	.00003	.00007	.00058
%RSD	.32710	31.261	26.933	65.780	451.98	6.5184	4.7491	46.212
#1	.26691	.00513	.00031	.00159	.01233	.00040	.00146	-.00085
#2	.26568	.00327	.00045	.00437	-.00645	.00037	.00157	-.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5061.3**	**84812.**	**6816.4**
Stddev	5.9	997.	16.9
%RSD	.11578	1.1750	.24806
#1	5065.5	85517.	6828.4
#2	5057.2	84108.	6804.4

Sample Name: 280-61901-G-6-B Acquired: 11/17/2014 14:15:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.01237**	**.00132**	**.04853**	**.05188**	**.00008**	**-.00316**	**224.48**	**.00072**
Stddev	.00038	.00081	.00362	.00017	.00004	.00002	.00277	1.79	.00004
%RSD	63.989	6.5511	274.55	.34327	.08113	21.764	87.416	.79793	5.8906
#1	.00033	-.01180	.00388	.04841	.05191	.00009	-.00121	225.74	.00075
#2	.00087	-.01294	-.00124	.04865	.05185	.00007	-.00512	223.21	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00011**	**.00094**	**.08432**	**1.1062**	**.01734**	**116.40**	**.27398**	**.00048**
Stddev	.00022	.00022	.00007	.00045	.0025	.00202	.11	.00006	.00061
%RSD	52.923	192.63	7.1179	.53006	.22577	11.662	.09024	.02213	126.41
#1	.00057	.00027	.00089	.08400	1.1079	.01591	116.33	.27393	.00091
#2	.00026	-.00004	.00099	.08463	1.1044	.01877	116.48	.27402	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.157**	**.01073**	**.00341**	**.00086**	**157.19**	**.00044**	W **-.00643**	**12.244**	**-.00146**
Stddev	.294	.00005	.00117	.00029	.17	.00031	.00280	.020	.00081
%RSD	1.9398	.42990	34.448	33.785	.11034	70.645	43.461	.16105	55.439
#1	15.364	.01076	.00258	.00065	157.31	.00022	-.00841	12.230	-.00089
#2	14.949	.01070	.00423	.00107	157.06	.00066	-.00446	12.258	-.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35793**	**.00237**	**.00045**	**.00236**	**.02624**	**.00090**	**.00185**	**-.00030**
Stddev	.00018	.00042	.00028	.00205	.00438	.00015	.00030	.00144
%RSD	.05154	17.726	62.931	86.589	16.704	16.189	16.353	476.84
#1	.35807	.00208	.00025	.00092	.02934	.00080	.00163	.00072
#2	.35780	.00267	.00065	.00381	.02314	.00100	.00206	-.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4937.9**	**84065.**	**6767.4**
Stddev	2.0	156.	51.4
%RSD	.04036	.18576	.75893
#1	4939.3	84175.	6803.7
#2	4936.5	83954.	6731.1

Sample Name: 280-61901-G-7-B Acquired: 11/17/2014 14:18:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**-.00746**	**.00044**	**.16910**	**.31132**	**-.00001**	**-.00213**	**112.26**	**.00044**
Stddev	.00002	.00054	.00037	.00007	.00088	.00005	.00047	.09	.00023
%RSD	2.1514	7.2235	84.265	.04160	.28175	334.13	22.252	.08102	51.751
#1	.00089	-.00784	.00018	.16915	.31070	.00002	-.00179	112.20	.00028
#2	.00087	-.00708	.00070	.16905	.31194	-.00005	-.00246	112.32	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00005**	**.00110**	**2.5280**	**3.6368**	**.01178**	**54.636**	**.61310**	**.00085**
Stddev	.00022	.00000	.00034	.0017	.0126	.00117	.033	.00074	.00022
%RSD	59.191	8.6298	30.751	.06720	.34619	9.9279	.05993	.11991	25.422
#1	.00022	.00005	.00086	2.5268	3.6279	.01260	54.612	.61258	.00100
#2	.00054	.00006	.00134	2.5292	3.6457	.01095	54.659	.61362	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.685**	**.00145**	**.04795**	**.00033**	**1.8376**	**.00061**	**-.00369**	**10.223**	**-.00030**
Stddev	.065	.00000	.00113	.00025	.0102	.00012	.00202	.016	.00063
%RSD	.34967	.10533	2.3469	73.990	.55481	19.882	54.613	.15725	210.75
#1	18.731	.00145	.04875	.00016	1.8448	.00069	-.00227	10.234	.00015
#2	18.639	.00145	.04716	.00051	1.8304	.00052	-.00512	10.212	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9032**	**.00218**	**.00056**	**.00110**	**-.01520**	**.00140**	**.00066**	**-.00081**
Stddev	.0022	.00070	.00016	.00128	.00345	.00015	.00029	.00133
%RSD	.11551	32.001	29.032	116.69	22.668	10.586	43.922	163.44
#1	1.9016	.00267	.00067	.00019	-.01276	.00129	.00046	-.00176
#2	1.9047	.00169	.00044	.00200	-.01764	.00150	.00087	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5027.5**	**84797.**	**6744.4**
Stddev	4.8	33.	30.5
%RSD	.09570	.03841	.45190
#1	5030.9	84774.	6722.8
#2	5024.1	84820.	6766.0

Sample Name: 280-61901-G-8-B Acquired: 11/17/2014 14:20:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**-.00658**	**.00096**	**.13229**	**.10286**	**-.00001**	**-.00302**	**109.47**	**.00058**
Stddev	.00054	.00077	.00145	.00002	.00063	.00003	.00219	.31	.00010
%RSD	68.334	11.673	150.39	.01524	.61447	422.66	72.600	.28243	17.610
#1	.00116	-.00604	-.00006	.13231	.10241	.00002	-.00457	109.25	.00051
#2	.00041	-.00713	.00198	.13228	.10331	-.00003	-.00147	109.69	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00184**	**.00099**	**.01793**	**5.5029**	**.00957**	**44.983**	**.01162**	**.00079**
Stddev	.00005	.00009	.00003	.00010	.0119	.00185	.008	.00012	.00025
%RSD	4092.3	5.0963	2.6465	.57340	.21550	19.282	.01858	1.0586	32.268
#1	-.00004	.00178	.00097	.01801	5.4945	.01087	44.989	.01171	.00061
#2	.00004	.00191	.00100	.01786	5.5112	.00826	44.978	.01154	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.511**	**.05262**	**.00104**	**.00130**	**20.688**	**.00033**	**-.00485**	**6.7990**	**-.00136**
Stddev	.275	.00045	.00188	.00067	.102	.00080	.00472	.0251	.00010
%RSD	.44647	.86233	181.82	51.588	.49090	239.42	97.306	.36977	7.1834
#1	61.317	.05294	.00237	.00082	20.616	.00089	-.00151	6.7812	-.00143
#2	61.705	.05230	-.00030	.00177	20.760	-.00023	-.00819	6.8168	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20288**	**.00305**	**.00039**	**.00012**	**-.03272**	**.00054**	**-.00004**	**-.00099**
Stddev	.00065	.00028	.00001	.00139	.01667	.00003	.00015	.00098
%RSD	.32211	9.2443	1.4023	1209.9	50.959	6.4346	420.41	98.897
#1	.20241	.00325	.00039	.00110	-.02093	.00052	.00007	-.00169
#2	.20334	.00286	.00039	-.00087	-.04451	.00056	-.00015	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4966.6**	**83967.**	**6746.4**
Stddev	16.3	23.	13.6
%RSD	.32849	.02756	.20154
#1	4955.1	83984.	6756.1
#2	4978.2	83951.	6736.8

Sample Name: 280-61901-G-9-B Acquired: 11/17/2014 14:23:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00709**	**-.00368**	**.15729**	**.05045**	**-.00002**	**-.00585**	**146.34**	**.00070**
Stddev	.00043	.00065	.00269	.00011	.00023	.00003	.00298	.18	.00002
%RSD	68.925	9.1163	73.243	.07304	.44848	146.46	50.981	.12589	2.4482
#1	.00092	-.00754	-.00558	.15737	.05029	-.00004	-.00374	146.47	.00071
#2	.00032	-.00663	-.00177	.15721	.05061	.00000	-.00797	146.21	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00974**	**.00119**	**.00075**	**.51421**	**3.6813**	**.00969**	**59.608**	**.10302**	**.00128**
Stddev	.00010	.00018	.00010	.00004	.0799	.00043	.018	.00005	.00009
%RSD	1.0503	15.314	13.279	.00870	2.1705	4.4069	.03091	.05203	6.7476
#1	.00982	.00132	.00068	.51424	3.6248	.00939	59.621	.10298	.00122
#2	.00967	.00107	.00082	.51417	3.7378	.00999	59.595	.10306	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.786**	**.95933**	**.00787**	**-.00108**	**39.543**	**.00156**	**-.00131**	**7.6294**	**-.00141**
Stddev	.149	.00050	.00145	.00100	.133	.00045	.00419	.0359	.00144
%RSD	.28317	.05160	18.481	92.552	.33517	28.635	319.79	.47105	101.69
#1	52.680	.95898	.00684	-.00037	39.637	.00188	-.00427	7.6040	-.00040
#2	52.891	.95968	.00889	-.00179	39.449	.00125	.00165	7.6548	-.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24789**	**.00291**	**.00076**	**.00372**	**.00724**	**.00087**	**.00219**	**.00002**
Stddev	.00068	.00100	.00010	.00116	.03500	.00024	.00018	.00123
%RSD	.27413	34.484	13.553	31.104	483.46	27.936	8.2461	6184.1
#1	.24837	.00220	.00083	.00454	.03199	.00105	.00206	.00089
#2	.24741	.00362	.00068	.00290	-.01751	.00070	.00232	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4948.7**	**83020.**	**6703.9**
Stddev	7.7	75.	7.2
%RSD	.15601	.08986	.10713
#1	4954.2	83073.	6709.0
#2	4943.3	82967.	6698.8

Sample Name: 280-61901-G-10-B Acquired: 11/17/2014 14:26:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00391**	**-.00227**	**.09914**	**.09067**	**-.00003**	**-.00338**	**123.54**	**.00060**
Stddev	.00012	.00003	.00185	.00036	.00013	.00005	.00012	.29	.00023
%RSD	103.22	.73509	81.685	.35882	.14864	151.09	3.5642	.23330	38.591
#1	.00003	-.00389	-.00096	.09939	.09077	.00000	-.00346	123.33	.00044
#2	.00020	-.00393	-.00357	.09889	.09058	-.00007	-.00329	123.74	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00217**	**.00109**	**.01779**	**4.6587**	**.00879**	**50.765**	**.00135**	**.00091**
Stddev	.00008	.00009	.00011	.00140	.0226	.00000	.089	.00003	.00036
%RSD	21.693	4.0446	9.6333	7.8597	.48582	.03663	.17617	2.1009	39.036
#1	-.00032	.00210	.00117	.01878	4.6427	.00879	50.828	.00137	.00066
#2	-.00043	.00223	.00102	.01680	4.6747	.00879	50.701	.00133	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.537**	**.07364**	**.00006**	**.00069**	**21.254**	**.00038**	**-.00332**	**7.0439**	**-.00015**
Stddev	.455	.00022	.00097	.00053	.007	.00087	.00211	.0099	.00078
%RSD	.99882	.30039	1757.8	76.889	.03205	225.20	63.506	.14108	519.06
#1	45.215	.07348	.00074	.00031	21.249	.00100	-.00482	7.0369	-.00070
#2	45.858	.07380	-.00063	.00106	21.259	-.00023	-.00183	7.0509	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17882**	**.00165**	**.00054**	**.00175**	**.02489**	**.00050**	**.00082**	**.00039**
Stddev	.00048	.00133	.00011	.00055	.01956	.00038	.00010	.00174
%RSD	.27005	80.583	19.950	31.128	78.595	75.876	11.808	447.46
#1	.17848	.00071	.00061	.00137	.03872	.00023	.00075	.00162
#2	.17916	.00259	.00046	.00214	.01106	.00077	.00089	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5018.2**	**84689.**	**6826.7**
Stddev	7.3	113.	18.0
%RSD	.14504	.13349	.26437
#1	5023.4	84769.	6839.5
#2	5013.1	84609.	6814.0

Sample Name: ccvh-2982968 Acquired: 11/17/2014 14:28:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00703**	**49.302**	**-.00273**	**.00298**	**.00045**	**-.00005**	**1.0326**	**-.00581**	**-.00021**	**.00167**	**.00030**	**-.00189**	**49.099**
Stddev	.00065	.066	.00293	.00027	.00039	.00006	.0001	.00604	.00008	.00008	.00015	.00028	.045
%RSD	9.2513	.13285	107.24	9.1645	86.589	117.90	.01491	103.93	39.972	4.7269	50.003	14.675	.09165
#1	.00749	49.255	-.00480	.00279	.00073	-.00010	1.0327	-.00154	-.00027	.00172	.00041	-.00169	49.130
#2	.00657	49.348	-.00066	.00317	.00018	-.00001	1.0325	-.01008	-.00015	.00161	.00020	-.00208	49.067
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10143**	**.00262**	**.14119**	**-.00309**	**-.00186**	**247.30**	**.00108**	**.00326**	**.00213**	**5.0483**	**-.00304**	**-.00070**	**.00440**
Stddev	.01721	.00232	.00173	.00010	.00004	.62	.00016	.00411	.00041	.0034	.00032	.00472	.01125
%RSD	16.962	88.653	1.2272	3.0783	1.9023	.24874	15.083	126.22	19.168	.06801	10.641	675.89	255.87
#1	.08927	.00098	.14242	-.00303	-.00183	247.74	.00119	.00617	.00184	5.0458	-.00327	-.00404	.01235
#2	.11360	.00427	.13996	-.00316	-.00188	246.87	.00096	.00035	.00242	5.0507	-.00281	.00264	-.00356
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00042**	**4.7286**	**-.02339**	**.00160**	**9.9446**	**.00375**	**-.00056**	**-.03536**
Stddev	.00086	.00004	.0051	.00038	.00083	.0218	.00050	.00012	.00009
%RSD	71.863	9.2707	.10776	1.6318	52.132	.21946	13.341	20.412	.25028
#1	.00180	.00039	4.7250	-.02312	.00101	9.9600	.00410	-.00065	-.03542
#2	.00059	.00044	4.7322	-.02366	.00219	9.9291	.00340	-.00048	-.03530
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5027.1**	**83692.**	**6780.0**
Stddev	3.3	143.	15.0
%RSD	.06555	.17047	.22135
#1	5024.8	83793.	6790.6
#2	5029.4	83591.	6769.4

Sample Name: ccv-2984587 Acquired: 11/17/2014 14:31:31 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50257**	**.50281**	**.98966**	**.50498**	**.49617**	**.48721**	**.00734**	**4.9213**	**.49919**	**.49327**	**.48849**	**.49976**	**2.4943**	**48.788**
Stddev	.00056	.00166	.00058	.00028	.00020	.00035	.00025	.0083	.00066	.00074	.00011	.00128	.0125	.085
%RSD	.11179	.33050	.05827	.05500	.04112	.07280	3.4217	.16760	.13315	.14921	.02331	.25640	.50110	.17458
#1	.50217	.50399	.99007	.50479	.49631	.48746	.00752	4.9272	.49872	.49275	.48841	.49885	2.5032	48.848
#2	.50297	.50164	.98925	.50518	.49602	.48696	.00717	4.9155	.49966	.49379	.48857	.50066	2.4855	48.728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0113**	**19.341**	**.48781**	**.49861**	**5.2638**	**.49290**	**.98330**	**.99992**	**.01406**	**1.0164**	**1.0264**	**4.8109**	**.99457**	**.49177**
Stddev	.0004	.059	.00125	.00050	.0159	.00004	.00140	.00151	.00657	.0040	.0006	.0070	.00573	.00022
%RSD	.04252	.30733	.25590	.09987	.30235	.00867	.14189	.15091	46.747	.39595	.06316	.14507	.57578	.04515
#1	1.0116	19.383	.48869	.49897	5.2750	.49287	.98231	1.0010	.00941	1.0136	1.0269	4.8159	.99862	.49161
#2	1.0110	19.299	.48693	.49826	5.2525	.49293	.98428	.99886	.01870	1.0193	1.0260	4.8060	.99052	.49192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02608**	**.48693**	**1.0193**	**.01941**	**.48302**	**.47072**	**.48592**
Stddev	.00098	.00103	.0010	.00887	.00126	.00053	.00030
%RSD	3.7596	.21082	.09500	45.717	.26155	.11287	.06110
#1	.02539	.48765	1.0186	.01314	.48392	.47109	.48571
#2	.02677	.48620	1.0200	.02569	.48213	.47034	.48613
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5156.7**	**86096.**	**6796.9**
Stddev	3.5	360.	7.1
%RSD	.06793	.41797	.10393
#1	5159.1	85842.	6791.9
#2	5154.2	86351.	6801.9

Sample Name: CCB Acquired: 11/17/2014 14:34:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00586**	**-.00062**	**.00134**	**-.00000**	**.00010**	**.00027**	**-.00259**	**.00031**	**-.00019**	**-.00026**	**.00020**
Stddev	.00021	.00065	.00150	.00026	.00001	.00006	.00458	.00069	.00001	.00026	.00007	.00019
%RSD	28.114	11.048	243.15	19.430	926.11	54.660	1710.7	26.591	2.3501	136.72	25.531	96.485
#1	.00059	-.00540	-.00168	.00116	.00001	.00014	.00351	-.00211	.00031	-.00038	-.00030	.00033
#2	.00088	-.00632	.00044	.00152	-.00001	.00006	-.00297	-.00308	.00030	-.00001	-.00021	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.05112**	W **.00462**	**.00700**	**.00006**	**.00012**	W **.15572**	**-.00030**	**.00113**	**.00022**	**.02437**	**.00053**
Stddev	.00125	.00753	.00103	.00221	.00004	.00000	.00980	.00014	.00055	.00123	.00285	.00060
%RSD	50.785	14.722	22.249	31.625	65.181	1.5943	6.2928	47.500	48.610	555.44	11.679	114.00
#1	.00334	.04580	.00534	.00543	.00009	.00012	.14880	-.00020	.00074	-.00065	.02236	.00095
#2	.00157	.05644	.00389	.00856	.00003	.00012	.16265	-.00040	.00151	.00109	.02639	.00010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00105**	**-.01388**	**.00032**	**.00027**	**.00239**	**.00053**	**.00124**	**.01556**	**-.00041**	**-.00080**	**-.00026**
Stddev	.00637	.01470	.00006	.00003	.00025	.00023	.00027	.00783	.00003	.00030	.00126
%RSD	608.69	105.90	20.194	12.013	10.602	42.569	21.592	50.325	7.3432	37.234	486.29
#1	-.00555	-.00349	.00027	.00029	.00221	.00069	.00142	.01002	-.00043	-.00101	-.00115
#2	.00346	-.02428	.00036	.00024	.00257	.00037	.00105	.02110	-.00039	-.00059	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5213.4**	**88042.**	**6804.4**
Stddev	12.2	190.	4.7
%RSD	.23431	.21636	.06843
#1	5222.0	87907.	6801.1
#2	5204.7	88176.	6807.7

Sample Name: CCVL2994499 Acquired: 11/17/2014 14:36:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01156**	**.10161**	**.01415**	**.10335**	**.01005**	**.00103**	**.11555**	**.20367**	**.00561**	**.01043**	**.00989**	**.01580**
Stddev	.00007	.00025	.00150	.00019	.00019	.00002	.00422	.00050	.00010	.00001	.00010	.00020
%RSD	.63830	.24511	10.633	.18807	1.8730	1.8214	3.6521	.24474	1.8229	.08881	1.0067	1.2462
#1	.01161	.10144	.01309	.10322	.01018	.00102	.11853	.20402	.00569	.01043	.00982	.01566
#2	.01151	.10179	.01521	.10349	.00992	.00105	.11257	.20332	.00554	.01044	.00996	.01594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10131**	**3.1668**	W **.01235**	**.21236**	**.01020**	**.01996**	**1.1900**	**.04100**	**2.9164**	**.01015**	**.02056**	**.01056**
Stddev	.00368	.0390	.00056	.00034	.00009	.00020	.0037	.00032	.0029	.00045	.00049	.00169
%RSD	3.6316	1.2326	4.4963	.15962	.85738	1.0166	.30865	.77313	.09922	4.4510	2.3613	15.993
#1	.09871	3.1944	.01196	.21260	.01026	.02010	1.1926	.04123	2.9184	.01047	.02091	.00937
#2	.10392	3.1392	.01275	.21212	.01014	.01982	1.1874	.04078	2.9143	.00983	.02022	.01176
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			20.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01082**	**.47857**	**.10325**	**.01025**	**.01603**	**.01017**	**.01662**	F **.07968**	**.00995**	**.01936**	**.01506**
Stddev	.00099	.02362	.00029	.00007	.00165	.00000	.00158	.00502	.00049	.00054	.00060
%RSD	9.1931	4.9360	.27963	.68373	10.297	.01137	9.4867	6.2959	4.8922	2.7861	3.9569
#1	.01011	.49527	.10304	.01030	.01720	.01018	.01773	.07613	.00961	.01974	.01464
#2	.01152	.46186	.10345	.01020	.01486	.01017	.01550	.08323	.01029	.01898	.01548
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500							.06000			
Range	-20.000%							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5236.2**	**87898.**	**6802.2**
Stddev	5.3	41.	3.3
%RSD	.10083	.04674	.04838
#1	5239.9	87869.	6804.5
#2	5232.4	87927.	6799.8

Sample Name: 280-61901-G-11-B Acquired: 11/17/2014 14:39:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00271**	**-.00186**	**.05987**	**.08245**	**.00005**	**-.00755**	**227.64**	**.00080**
Stddev	.00010	.00059	.00251	.00002	.00071	.00000	.00024	1.48	.00023
%RSD	15.000	21.568	135.08	.02921	.86229	7.4788	3.1868	.65006	28.373
#1	.00071	-.00313	-.00363	.05986	.08295	.00005	-.00738	228.69	.00095
#2	.00057	-.00230	-.00008	.05988	.08194	.00005	-.00772	226.60	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00057**	**.00161**	**.03411**	**2.8493**	**.01962**	**103.71**	**.34450**	**.00081**
Stddev	.00000	.00045	.00042	.00083	.0504	.00287	.19	.00092	.00035
%RSD	3.2770	80.076	25.848	2.4347	1.7677	14.649	.18457	.26705	43.683
#1	.00011	.00025	.00132	.03352	2.8849	.01759	103.85	.34515	.00105
#2	.00011	.00089	.00191	.03470	2.8136	.02165	103.58	.34385	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.149**	**.00389**	**.02881**	**-.00021**	**94.702**	**.00275**	**-.00470**	**9.4181**	**-.00101**
Stddev	.297	.00001	.00281	.00080	.053	.00155	.00367	.0623	.00081
%RSD	2.4470	.21665	9.7561	372.03	.05635	56.371	78.125	.66196	80.481
#1	11.938	.00388	.03079	-.00078	94.664	.00165	-.00729	9.4622	-.00043
#2	12.359	.00390	.02682	.00035	94.740	.00384	-.00210	9.3740	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47189**	**.00259**	**.00091**	**.00266**	**.00007**	**.00065**	**.00213**	**-.00066**
Stddev	.00131	.00136	.00004	.00140	.02597	.00049	.00035	.00021
%RSD	.27724	52.495	3.9922	52.725	34753.	75.004	16.384	31.778
#1	.47282	.00163	.00093	.00366	.01844	.00031	.00188	-.00081
#2	.47097	.00355	.00088	.00167	-.01829	.00100	.00238	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4877.3**	**83007.**	**6662.8**
Stddev	9.6	3.	132.6
%RSD	.19740	.00313	1.9906
#1	4870.5	83009.	6569.0
#2	4884.1	83006.	6756.6

Sample Name: 280-61901-G-12-B Acquired: 11/17/2014 14:42:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00339**	**-.00162**	**.05976**	**.02348**	**-.00000**	**-.00504**	**131.21**	**.00076**
Stddev	.00004	.00070	.00099	.00019	.00015	.00006	.00044	.44	.00021
%RSD	6.7791	20.615	61.419	.31934	.65728	1355.2	8.6466	.33455	27.514
#1	.00059	-.00290	-.00232	.05989	.02359	.00004	-.00534	130.90	.00061
#2	.00065	-.00389	-.00091	.05962	.02337	-.00005	-.00473	131.52	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00093**	**.00117**	**.01057**	**2.3957**	**.00872**	**53.654**	**.00155**	**.00108**
Stddev	.00015	.00007	.00008	.00041	.0065	.00030	.119	.00001	.00045
%RSD	113.12	7.2318	6.4256	3.8477	.26982	3.4908	.22232	.45836	41.305
#1	-.00024	.00098	.00123	.01028	2.3911	.00893	53.570	.00155	.00139
#2	-.00003	.00088	.00112	.01085	2.4003	.00850	53.738	.00156	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.108**	**.00099**	**.00533**	**.00056**	**37.381**	**.00270**	**-.00243**	**8.4400**	**-.00094**
Stddev	.022	.00016	.00144	.00107	.041	.00284	.00731	.0299	.00038
%RSD	.16830	16.728	26.955	192.13	.11032	105.14	301.20	.35376	40.519
#1	13.124	.00087	.00635	.00131	37.410	.00471	-.00759	8.4189	-.00121
#2	13.093	.00110	.00431	-.00020	37.351	.00069	.00274	8.4611	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21328**	**.00329**	**.00071**	**.00221**	**.00245**	**.00100**	**.00168**	**-.00077**
Stddev	.00074	.00111	.00027	.00010	.03166	.00004	.00057	.00012
%RSD	.34867	33.767	37.861	4.5012	1291.9	3.9063	34.004	15.391
#1	.21275	.00250	.00052	.00214	.02484	.00097	.00127	-.00085
#2	.21381	.00407	.00090	.00228	-.01994	.00102	.00208	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4995.6**	**84497.**	**6796.0**
Stddev	1.4	108.	31.5
%RSD	.02807	.12773	.46325
#1	4994.6	84573.	6818.2
#2	4996.6	84421.	6773.7

Sample Name: 280-61901-G-13-B Acquired: 11/17/2014 14:44:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00525**	**-.00260**	**.10949**	**.06215**	**-.00001**	**-.00534**	**127.49**	**.00068**
Stddev	.00007	.00025	.00195	.00013	.00012	.00000	.00033	.16	.00009
%RSD	14.586	4.7164	74.943	.12241	.20042	12.478	6.1303	.12213	13.206
#1	.00043	-.00508	-.00122	.10958	.06224	-.00001	-.00557	127.60	.00074
#2	.00053	-.00543	-.00397	.10939	.06206	-.00001	-.00511	127.38	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00059**	**.00129**	**.00785**	**2.2602**	**.01025**	**52.648**	**.00042**	**.00285**
Stddev	.00007	.00001	.00045	.00000	.0086	.00133	.044	.00001	.00021
%RSD	27.045	1.2540	35.009	.02997	.37998	13.018	.08436	1.8465	7.4765
#1	-.00033	.00058	.00160	.00785	2.2663	.00931	52.679	.00041	.00301
#2	-.00022	.00060	.00097	.00785	2.2541	.01119	52.616	.00042	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.264**	**.00034**	**.01029**	**.00002**	**25.338**	**-.00066**	**-.00271**	**8.9633**	**-.00138**
Stddev	.023	.00014	.00164	.00162	.020	.00227	.00279	.0482	.00037
%RSD	.07888	42.144	15.922	9358.2	.07972	343.34	102.70	.53820	26.672
#1	29.247	.00024	.01145	-.00113	25.323	.00094	-.00074	8.9974	-.00164
#2	29.280	.00044	.00913	.00116	25.352	-.00227	-.00468	8.9292	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24544**	**.00223**	**.00052**	**.00244**	**.00009**	**.00093**	**.00167**	**.00026**
Stddev	.00028	.00035	.00018	.00050	.00249	.00001	.00053	.00083
%RSD	.11312	15.543	35.132	20.437	2785.5	.57239	32.000	319.14
#1	.24564	.00199	.00066	.00209	-.00167	.00092	.00129	-.00033
#2	.24525	.00248	.00039	.00280	.00185	.00093	.00205	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5007.6**	**84741.**	**6823.2**
Stddev	14.8	34.	14.4
%RSD	.29470	.04050	.21143
#1	5018.1	84716.	6813.0
#2	4997.2	84765.	6833.4

Sample Name: 280-61901-G-14-B Acquired: 11/17/2014 14:47:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.01541**	**.00193**	**.08268**	**.02982**	**.00006**	**-.00667**	**202.10**	**.00065**
Stddev	.00061	.00102	.00028	.00069	.00025	.00002	.00076	.38	.00008
%RSD	140.76	6.5887	14.476	.83701	.83829	24.577	11.414	.18659	12.650
#1	.00087	-.01469	.00212	.08317	.02964	.00008	-.00721	202.36	.00059
#2	.00000	-.01613	.00173	.08219	.03000	.00005	-.00613	201.83	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00035**	**.00106**	**4.6835**	**3.3653**	**.03222**	**85.195**	**.31953**	**.00249**
Stddev	.00037	.00005	.00003	.0001	.0205	.00103	.283	.00024	.00007
%RSD	96.589	13.241	3.1124	.00224	.61041	3.1990	.33250	.07539	2.6924
#1	.00012	.00038	.00103	4.6836	3.3508	.03295	85.395	.31970	.00254
#2	.00064	.00031	.00108	4.6834	3.3799	.03149	84.995	.31936	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.671**	**.00082**	**.07421**	**-.00003**	**91.300**	**.00176**	**-.00146**	**9.7906**	**-.00092**
Stddev	.095	.00036	.00010	.00065	.295	.00101	.00048	.0138	.00094
%RSD	.64703	43.344	.13756	2122.2	.32333	57.407	32.885	.14133	101.15
#1	14.604	.00057	.07414	.00043	91.509	.00105	-.00180	9.8003	-.00026
#2	14.738	.00107	.07428	-.00049	91.091	.00248	-.00112	9.7808	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64607**	**.00129**	**.00035**	**.00290**	**.00784**	**.00085**	**.00421**	**-.00031**
Stddev	.00130	.00056	.00010	.00129	.01149	.00008	.00059	.00035
%RSD	.20083	43.339	27.733	44.458	146.41	9.2488	13.911	111.43
#1	.64699	.00090	.00028	.00382	.01597	.00080	.00380	-.00056
#2	.64515	.00169	.00042	.00199	-.00028	.00091	.00463	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4910.4**	**83332.**	**6727.4**
Stddev	8.8	279.	1.9
%RSD	.17824	.33492	.02754
#1	4904.2	83134.	6728.7
#2	4916.6	83529.	6726.1

Sample Name: 280-61901-G-15-B Acquired: 11/17/2014 14:49:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251217 6010B (Mg)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.02022**	**-.00010**	**.11590**	**.03857**	**.00005**	**-.00298**	**321.44**	**.00085**
Stddev	.00035	.00051	.00055	.00008	.00015	.00003	.00350	3.10	.00012
%RSD	39.208	2.5252	553.57	.06529	.38888	51.790	117.59	.96546	13.959
#1	.00064	-.02058	.00029	.11584	.03846	.00007	-.00050	319.25	.00077
#2	.00114	-.01986	-.00049	.11595	.03867	.00003	-.00545	323.64	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.00005**	**.00085**	**3.0518**	**3.3010**	**.01461**	**133.93**	**1.3091**	**.00081**
Stddev	.00029	.00022	.00028	.0015	.0424	.00240	.04	.0005	.00057
%RSD	18.824	473.47	32.340	.05061	1.2836	16.399	.03173	.03806	70.538
#1	.00177	-.00011	.00066	3.0507	3.3310	.01630	133.96	1.3094	.00041
#2	.00135	.00020	.00105	3.0529	3.2711	.01292	133.89	1.3087	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.362**	**.00391**	**.03402**	**.00072**	**290.99**	**.00306**	W **-.00809**	**9.7486**	**-.00113**
Stddev	.306	.00027	.00583	.00046	.58	.00034	.00283	.0101	.00010
%RSD	1.7616	6.8999	17.148	63.076	.20051	11.036	35.014	.10321	8.5823
#1	17.578	.00410	.02990	.00040	290.58	.00282	-.00609	9.7415	-.00119
#2	17.146	.00372	.03815	.00104	291.41	.00330	-.01010	9.7557	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9981**	**.00191**	**.00071**	**-.00001**	**.01361**	**.00078**	**.00160**	**-.00086**
Stddev	.0062	.00024	.00009	.00048	.01844	.00026	.00009	.00041
%RSD	.31213	12.454	12.248	4230.4	135.45	33.055	5.8194	47.636
#1	1.9937	.00174	.00078	-.00035	.02665	.00060	.00167	-.00057
#2	2.0025	.00208	.00065	.00033	.00057	.00096	.00154	-.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4828.2**	**81950.**	**6670.3**
Stddev	7.1	88.	31.6
%RSD	.14717	.10798	.47358
#1	4823.2	81887.	6692.7
#2	4833.2	82012.	6648.0

Sample Name: ccvh-2982968 Acquired: 11/17/2014 14:52:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**49.366**	**.00047**	**.00240**	**.00050**	**-.00000**	**1.0333**	**.03649**	**-.00042**	**.00160**	**.00021**	**-.00182**	**49.219**
Stddev	.00023	.090	.00138	.00008	.00007	.00005	.0040	.01067	.00006	.00016	.00002	.00049	.242
%RSD	3.4385	.18206	296.25	3.4367	13.651	1207.1	.39234	29.244	13.973	9.9600	11.395	27.019	.49104
#1	.00655	49.302	-.00051	.00246	.00045	.00003	1.0304	.04403	-.00038	.00171	.00023	-.00216	49.049
#2	.00687	49.429	.00145	.00234	.00054	-.00004	1.0361	.02894	-.00046	.00149	.00019	-.00147	49.390
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12692**	**.00203**	**.14994**	**-.00285**	**-.00165**	**247.80**	**.00089**	**-.00179**	**.00256**	**5.0958**	**-.00274**	**.00323**	**-.01231**
Stddev	.03118	.00154	.00049	.00000	.00005	.36	.00005	.00140	.00070	.0041	.00061	.00441	.00074
%RSD	24.564	75.975	.32930	.13073	2.8914	.14633	5.1677	78.140	27.426	.08099	22.260	136.50	6.0283
#1	.10488	.00312	.14959	-.00286	-.00169	247.55	.00085	-.00278	.00306	5.0929	-.00231	.00636	-.01283
#2	.14897	.00094	.15029	-.00285	-.00162	248.06	.00092	-.00080	.00206	5.0987	-.00317	.00011	-.01178
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**.00065**	**4.6988**	**-.02301**	**.00034**	**9.8307**	**.00391**	**-.00106**	**-.03535**
Stddev	.00048	.00003	.0062	.00053	.00048	.0204	.00029	.00069	.00236
%RSD	23.621	4.2313	.13119	2.3153	141.46	.20749	7.3835	65.459	6.6666
#1	.00235	.00063	4.7032	-.02338	.00068	9.8163	.00412	-.00057	-.03702
#2	.00168	.00067	4.6945	-.02263	-.00000	9.8451	.00371	-.00155	-.03368
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5018.5**	**83769.**	**6762.3**
Stddev	1.2	10.	40.6
%RSD	.02331	.01216	.59990
#1	5017.7	83761.	6791.0
#2	5019.3	83776.	6733.6

Sample Name: ccv-2984587 Acquired: 11/17/2014 14:55:19 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50221**	**.50115**	**.98375**	**.50353**	**.49609**	**.48647**	**.00916**	**4.9336**	**.49832**	**.49138**	**.48531**	**.49800**	**2.4868**	**48.736**
Stddev	.00057	.00127	.00282	.00226	.00117	.00083	.00207	.0147	.00163	.00049	.00030	.00012	.0063	.097
%RSD	.11305	.25335	.28628	.44856	.23554	.17081	22.604	.29788	.32772	.10004	.06272	.02399	.25509	.19893
#1	.50181	.50025	.98574	.50512	.49526	.48589	.00769	4.9232	.49947	.49103	.48553	.49791	2.4913	48.667
#2	.50261	.50205	.98176	.50193	.49691	.48706	.01062	4.9440	.49716	.49173	.48510	.49808	2.4823	48.805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0095**	**19.305**	**.48632**	**.49709**	**5.2371**	**.49033**	**.98075**	**.99710**	**.02549**	**1.0199**	**1.0248**	**4.8091**	**.99201**	**.48925**
Stddev	.0039	.010	.00008	.00173	.0181	.00099	.00289	.00214	.00417	.0026	.0031	.0215	.00414	.00179
%RSD	.38797	.05107	.01657	.34895	.34638	.20229	.29424	.21433	16.355	.25525	.30289	.44696	.41767	.36487
#1	1.0067	19.312	.48626	.49587	5.2243	.49103	.98279	.99861	.02844	1.0217	1.0270	4.7939	.99494	.48799
#2	1.0122	19.298	.48637	.49832	5.2499	.48963	.97870	.99559	.02254	1.0180	1.0226	4.8243	.98908	.49052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02608**	**.48643**	**1.0189**	**.00832**	**.48304**	**.47052**	**.48595**
Stddev	.00013	.00032	.0024	.01104	.00060	.00266	.00266
%RSD	.50947	.06572	.23294	132.70	.12517	.56502	.54746
#1	.02599	.48665	1.0206	.01613	.48346	.46864	.48407
#2	.02618	.48620	1.0172	.00051	.48261	.47240	.48783
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5154.2**	**85959.**	**6772.0**
Stddev	10.5	172.	23.3
%RSD	.20378	.19969	.34336
#1	5161.7	86080.	6788.5
#2	5146.8	85837.	6755.6

Sample Name: CCB Acquired: 11/17/2014 14:57:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**-.00613**	**-.00122**	**.00086**	**.00002**	**.00019**	**-.00129**	**.00417**	**.00032**	**.00001**	**-.00010**	**.00030**
Stddev	.00021	.00031	.00104	.00107	.00012	.00004	.00020	.00070	.00005	.00026	.00004	.00020
%RSD	23.321	5.0993	85.048	124.53	547.93	20.139	15.616	16.730	16.351	4057.8	37.474	66.876
#1	.00076	-.00635	-.00049	.00161	.00010	.00016	-.00115	.00466	.00028	.00019	-.00013	.00016
#2	.00106	-.00591	-.00196	.00010	-.00006	.00021	-.00144	.00368	.00035	-.00017	-.00008	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.12176**	**.00116**	**.00815**	**.00012**	**.00004**	W **.13325**	**-.00038**	**.00177**	**.00062**	**.02651**	**.00131**
Stddev	.00218	.00407	.00016	.00036	.00002	.00008	.02245	.00028	.00117	.00061	.00099	.00059
%RSD	61.836	3.3419	14.001	4.3615	20.444	197.04	16.849	73.620	66.368	97.635	3.7528	45.119
#1	.00198	.12464	.00105	.00790	.00010	-.00002	.14912	-.00058	.00094	.00019	.02722	.00089
#2	.00507	.11889	.00128	.00840	.00013	.00010	.11737	-.00018	.00259	.00105	.02581	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00205**	**-.00550**	**.00013**	**.00018**	**.00336**	**.00057**	**.00050**	**-.00191**	**-.00042**	**-.00102**	**-.00055**
Stddev	.00497	.00791	.00019	.00005	.00057	.00004	.00190	.00145	.00026	.00021	.00106
%RSD	242.72	143.85	150.82	28.690	17.061	6.2160	382.50	76.278	61.277	20.303	191.02
#1	-.00556	-.01109	-.00001	.00022	.00377	.00055	.00184	-.00294	-.00024	-.00087	.00019
#2	.00147	.00009	.00027	.00014	.00295	.00060	-.00085	-.00088	-.00060	-.00117	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5269.1**	**88899.**	**6846.4**
Stddev	7.3	174.	42.7
%RSD	.13909	.19589	.62329
#1	5263.9	89023.	6876.6
#2	5274.3	88776.	6816.2

Sample Name: CCVL2994499 Acquired: 11/17/2014 15:00:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.10051**	**.01589**	**.10206**	**.01052**	**.00106**	**.11517**	**.20452**	**.00533**	**.01040**	**.00992**	**.01561**
Stddev	.00074	.00067	.00132	.00048	.00009	.00005	.00280	.00024	.00000	.00011	.00001	.00040
%RSD	6.5425	.66455	8.2841	.46988	.83345	5.0103	2.4315	.11947	.07168	1.0418	.13382	2.5430
#1	.01079	.10098	.01682	.10172	.01046	.00110	.11319	.20434	.00533	.01033	.00991	.01589
#2	.01184	.10003	.01496	.10239	.01058	.00103	.11715	.20469	.00534	.01048	.00992	.01533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10574**	**3.1565**	W **.01247**	**.20997**	**.01021**	**.02004**	**1.1867**	**.04094**	**2.9062**	**.01033**	**.01420**	**.00968**
Stddev	.00166	.0152	.00056	.00028	.00005	.00023	.0004	.00002	.0089	.00103	.00255	.00122
%RSD	1.5709	.48032	4.5036	.13360	.52235	1.1401	.03573	.05530	.30640	9.9445	17.962	12.625
#1	.10456	3.1672	.01207	.21017	.01018	.01988	1.1864	.04096	2.8999	.01106	.01600	.00881
#2	.10691	3.1457	.01287	.20977	.01025	.02020	1.1870	.04093	2.9125	.00960	.01239	.01054
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			20.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01295**	**.48513**	**.10248**	**.01027**	F **.02006**	**.01012**	**.01548**	**.06868**	**.00958**	**.01913**	**.01403**
Stddev	.00114	.01719	.00075	.00009	.00124	.00008	.00132	.01572	.00032	.00004	.00039
%RSD	8.7805	3.5429	.72747	.87691	6.1654	.83801	8.5470	22.891	3.3597	.18843	2.7487
#1	.01376	.47297	.10301	.01034	.02093	.01018	.01454	.05756	.00981	.01915	.01431
#2	.01215	.49728	.10195	.01021	.01918	.01006	.01641	.07980	.00935	.01910	.01376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.01500						
Range					30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5264.5**	**88627.**	**6884.5**
Stddev	13.2	17.	13.8
%RSD	.25111	.01881	.19987
#1	5255.2	88615.	6894.2
#2	5273.9	88639.	6874.8

Sample Name: MB 280-251750/1-A Acquired: 11/17/2014 15:03:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/7 Custom ID2: Custom ID3:
Comment: 251750 200.7 (AI)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00355**	W **-.00460**	W **.00237**	F **.00969**	**.00007**	**-.00460**	**.01396**	**.00020**
Stddev	.00001	.00019	.00059	.00028	.00031	.00001	.00104	.00184	.00003
%RSD	2.7663	5.2704	12.853	11.625	3.1825	13.451	22.693	13.189	15.306
#1	.00043	-.00368	-.00502	.00218	.00991	.00006	-.00386	.01526	.00018
#2	.00041	-.00342	-.00419	.00257	.00947	.00007	-.00534	.01266	.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441	.00156	.00127				
Low Limit			-.00441	-.00156	-.00127				

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00013**	**.00018**	**.01528**	**.04844**	**.00089**	**.00607**	W **.00026**	**.00045**
Stddev	.00003	.00026	.00009	.00277	.00309	.00018	.00101	.00002	.00018
%RSD	23.510	203.39	51.373	18.139	6.3879	19.909	16.704	8.9531	40.731
#1	-.00012	-.00031	.00011	.01724	.04625	.00102	.00679	.00028	.00032
#2	-.00016	.00006	.00024	.01332	.05063	.00077	.00535	.00025	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								.00025	
Low Limit								-.00025	

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.11980**	**-.00047**	**.00041**	**-.00062**	**.02581**	**-.00010**	W **-.00530**	**.01275**	**.00040**
Stddev	.00848	.00013	.00072	.00026	.00108	.00043	.00269	.01133	.00065
%RSD	7.0819	27.909	174.86	41.899	4.1781	411.15	50.823	88.886	163.28
#1	.12580	-.00056	-.00010	-.00080	.02657	-.00041	-.00339	.02077	.00086
#2	.11380	-.00037	.00092	-.00043	.02505	.00020	-.00720	.00474	-.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.09160						.00486		
Low Limit	-.09160						-.00486		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00426**	**.00006**	**-.00025**	**.01113**	**-.00035**	**.00050**	**-.00068**
Stddev	.00004	.00223	.00007	.00030	.00128	.00037	.00024	.00064
%RSD	18.371	52.345	122.59	119.09	11.544	106.59	48.210	93.020
#1	.00019	.00269	.00011	-.00046	.01022	-.00061	.00033	-.00114
#2	.00025	.00584	.00001	-.00004	.01204	-.00009	.00068	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5284.8**	**89411.**	**6922.7**
Stddev	4.2	10.	45.7
%RSD	.08039	.01080	.65964
#1	5281.8	89418.	6955.0
#2	5287.8	89404.	6890.4

Sample Name: LCS 280-251750/2-A Acquired: 11/17/2014 15:05:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (AI)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05689**	**2.0030**	**1.0233**	**1.0745**	**2.0942**	**.05075**	F **2.2523**	**51.209**	**.10037**
Stddev	.00028	.0043	.0045	.0001	.0039	.00023	.0030	.116	.00020
%RSD	.50053	.21730	.43936	.00990	.18790	.46021	.13467	.22678	.20114
#1	.05669	2.0061	1.0265	1.0744	2.0970	.05058	2.2544	51.291	.10022
#2	.05710	1.9999	1.0201	1.0745	2.0915	.05091	2.2502	51.127	.10051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							2.2000		
Low Limit							1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50698**	**.20448**	**.26180**	**1.0909**	**51.701**	**1.0611**	**50.019**	**.50632**	**1.0641**
Stddev	.00048	.00025	.00025	.0001	.076	.0001	.019	.00035	.0021
%RSD	.09557	.12144	.09456	.00766	.14640	.00607	.03774	.07010	.20136
#1	.50732	.20431	.26163	1.0908	51.648	1.0612	50.005	.50657	1.0656
#2	.50663	.20466	.26198	1.0909	51.755	1.0611	50.032	.50607	1.0625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.982**	**.50049**	**10.585**	**.51869**	**2.1529**	F **.54378**	**2.1442**	**10.102**	**2.0801**
Stddev	.155	.00038	.010	.00192	.0091	.00037	.0087	.056	.0071
%RSD	.29242	.07583	.09096	.36924	.42229	.06788	.40555	.54943	.34037
#1	53.092	.50022	10.578	.52005	2.1464	.54404	2.1381	10.141	2.0851
#2	52.873	.50076	10.592	.51734	2.1593	.54352	2.1504	10.063	2.0751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.54000			
Low Limit						.44000			

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0285**	**1.0065**	**1.0228**	**2.0591**	**2.1120**	**.51124**	**.48403**	**.50591**
Stddev	.0010	.0005	.0003	.0032	.0077	.00095	.00106	.00299
%RSD	.10247	.05160	.02410	.15723	.36707	.18649	.21927	.59123
#1	1.0293	1.0061	1.0226	2.0614	2.1175	.51191	.48478	.50802
#2	1.0278	1.0068	1.0230	2.0568	2.1065	.51056	.48328	.50379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5045.7**	**84991.**	**6890.6**
Stddev	5.1	88.	25.1
%RSD	.10078	.10323	.36391
#1	5042.1	85053.	6872.9
#2	5049.3	84929.	6908.3

Sample Name: 280-62146-D-1-A Acquired: 11/17/2014 15:08:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (Al)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.13270**	**.00125**	**.03029**	**.05081**	**.00004**	**-.00337**	**33.266**	**.00033**
Stddev	.00017	.00135	.00089	.00077	.00024	.00006	.00175	.052	.00004
%RSD	21.140	1.0198	71.495	2.5322	.47234	158.23	51.962	.15777	12.915
#1	.00067	.13366	.00188	.03083	.05064	.00007	-.00213	33.229	.00030
#2	.00090	.13174	.00062	.02975	.05098	-.00000	-.00461	33.303	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00025**	**.00172**	**.17749**	**2.4536**	**.01176**	**8.0529**	**.09658**	**.00423**
Stddev	.00036	.00008	.00031	.00127	.0128	.00216	.0038	.00007	.00032
%RSD	286.61	31.921	17.805	.71789	.52154	18.395	.04746	.06885	7.5846
#1	.00013	.00019	.00150	.17839	2.4445	.01023	8.0556	.09663	.00446
#2	-.00038	.00031	.00193	.17659	2.4626	.01329	8.0502	.09654	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.868**	**.00034**	**.02035**	**.00322**	**12.720**	**.00029**	W **-.00569**	**3.3930**	**.00042**
Stddev	.090	.00003	.00047	.00140	.010	.00067	.00112	.0115	.00045
%RSD	.43048	9.1829	2.3294	43.391	.08090	229.01	19.754	.33924	106.85
#1	20.932	.00032	.02002	.00223	12.727	-.00018	-.00490	3.4011	.00010
#2	20.805	.00037	.02069	.00421	12.713	.00077	-.00648	3.3849	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28825**	**.00316**	**.00403**	**.00087**	**.01746**	**.00038**	**.00264**	**.00135**
Stddev	.00060	.00174	.00017	.00023	.00456	.00007	.00023	.00034
%RSD	.20772	55.217	4.2790	26.109	26.116	19.446	8.7136	24.742
#1	.28783	.00439	.00391	.00104	.02068	.00033	.00280	.00159
#2	.28867	.00192	.00415	.00071	.01423	.00043	.00248	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.4**	**87485.**	**6874.4**
Stddev	12.8	34.	12.4
%RSD	.24843	.03901	.17994
#1	5156.4	87509.	6883.1
#2	5174.5	87461.	6865.6

Sample Name: 280-62146-D-2-A Acquired: 11/17/2014 15:10:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (Al)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00890**	**-.00028**	**.22735**	**.02794**	**-.00001**	**-.00200**	**75.883**	**.00043**
Stddev	.00044	.00048	.00142	.00103	.00030	.00002	.00177	.088	.00006
%RSD	68.520	5.4142	507.06	.45152	1.0598	261.23	88.537	.11651	13.113
#1	.00033	.00924	.00072	.22663	.02773	.00001	-.00075	75.946	.00047
#2	.00095	.00856	-.00128	.22808	.02815	-.00002	-.00326	75.821	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00029**	**.01153**	**.31208**	**16.346**	**.02894**	**16.572**	**.02909**	**.00361**
Stddev	.00022	.00009	.00015	.00247	.114	.00142	.019	.00003	.00032
%RSD	61.581	31.029	1.3218	.79106	.69692	4.9085	.11462	.11253	8.9576
#1	.00020	.00023	.01143	.31034	16.265	.02995	16.559	.02907	.00384
#2	.00052	.00035	.01164	.31383	16.426	.02794	16.586	.02912	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**115.00**	**.00120**	**.28848**	**.00231**	**49.527**	**-.00004**	**-.00061**	**3.0284**	**-.00061**
Stddev	.21	.00001	.00371	.00073	.016	.00261	.00107	.0191	.00015
%RSD	.17982	.86142	1.2859	31.732	.03221	7101.3	176.21	.63190	25.109
#1	114.86	.00119	.29110	.00283	49.516	.00181	-.00136	3.0419	-.00072
#2	115.15	.00120	.28585	.00179	49.539	-.00188	.00015	3.0149	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70715**	**.00334**	**.00117**	**.00179**	**.02160**	**.00039**	**.02853**	**-.00241**
Stddev	.00054	.00041	.00011	.00057	.00635	.00037	.00045	.00033
%RSD	.07590	12.309	9.1768	31.808	29.400	94.628	1.5717	13.820
#1	.70677	.00305	.00110	.00139	.01711	.00013	.02821	-.00217
#2	.70753	.00363	.00125	.00220	.02609	.00065	.02884	-.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5042.7**	**84883.**	**6849.6**
Stddev	2.3	82.	3.0
%RSD	.04468	.09649	.04428
#1	5044.3	84941.	6851.7
#2	5041.1	84825.	6847.4

Sample Name: 280-62146-D-3-A Acquired: 11/17/2014 15:13:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (Al)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.11487**	**.00165**	**.06282**	**.05499**	**.00000**	**-.00226**	**42.276**	**.00029**
Stddev	.00020	.00004	.00253	.00048	.00033	.00002	.00064	.155	.00018
%RSD	18.438	.03650	153.65	.76324	.59506	1741.6	28.325	.36736	64.389
#1	.00092	.11490	-.00014	.06316	.05476	-.00002	-.00180	42.166	.00041
#2	.00120	.11484	.00344	.06248	.05522	.00002	-.00271	42.385	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00023**	**.00229**	**.19012**	**4.1824**	**.01539**	**9.7173**	**.09485**	**.00409**
Stddev	.00008	.00007	.00000	.00142	.0058	.00114	.0014	.00015	.00005
%RSD	41.527	29.159	.04610	.74742	.13800	7.4206	.01422	.16008	1.3356
#1	.00026	.00028	.00229	.19113	4.1783	.01458	9.7183	.09474	.00413
#2	.00014	.00018	.00229	.18912	4.1864	.01620	9.7163	.09496	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.010**	**.00048**	**.06363**	**.00040**	**18.424**	**.00095**	**.00113**	**3.5225**	**-.00105**
Stddev	.179	.00036	.00514	.00012	.002	.00239	.00058	.0124	.00002
%RSD	.52655	75.090	8.0774	29.044	.00856	252.48	51.079	.35201	1.4955
#1	33.884	.00022	.05999	.00032	18.423	-.00074	.00153	3.5137	-.00107
#2	34.137	.00073	.06726	.00048	18.425	.00264	.00072	3.5313	-.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37815**	**.00393**	**.00348**	**.00092**	**.02164**	**.00048**	**.00620**	**-.00070**
Stddev	.00032	.00238	.00004	.00016	.01321	.00028	.00054	.00089
%RSD	.08561	60.509	1.2288	17.870	61.032	57.494	8.7672	126.49
#1	.37792	.00561	.00351	.00080	.01230	.00029	.00581	-.00133
#2	.37838	.00225	.00345	.00104	.03097	.00068	.00658	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5135.9**	**86984.**	**6854.4**
Stddev	11.0	96.	33.9
%RSD	.21422	.11089	.49528
#1	5128.1	87052.	6878.4
#2	5143.7	86916.	6830.4

Sample Name: 280-62148-A-1-B Acquired: 11/17/2014 15:16:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (Al)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**14.425**	**.00828**	**.02677**	**.14772**	**.00084**	**-.00717**	**156.45**	**.00042**
Stddev	.00028	.003	.00307	.00082	.00030	.00004	.00068	.07	.00012
%RSD	37.641	.01793	37.069	3.0599	.19990	4.5255	9.5352	.04184	29.583
#1	.00093	14.423	.01045	.02735	.14751	.00087	-.00766	156.50	.00033
#2	.00054	14.427	.00611	.02619	.14793	.00082	-.00669	156.41	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00909**	**.02140**	**.01876**	**15.397**	**5.4315**	**.01733**	**5.7834**	**.58914**	**.00065**
Stddev	.00004	.00022	.00031	.003	.0117	.00128	.0048	.00066	.00013
%RSD	.43012	1.0381	1.6655	.02147	.21619	7.3785	.08313	.11278	20.650
#1	.00912	.02155	.01854	15.400	5.4398	.01823	5.7800	.58867	.00055
#2	.00907	.02124	.01898	15.395	5.4232	.01642	5.7868	.58961	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4223**	**.04682**	**.65153**	**.02164**	**1.2037**	**.00013**	W **-.00501**	**25.754**	**.00009**
Stddev	.0082	.00024	.00174	.00005	.0050	.00111	.00117	.077	.00078
%RSD	.57381	.50774	.26783	.24122	.41140	865.42	23.248	.29949	902.44
#1	1.4281	.04665	.65030	.02168	1.2002	.00091	-.00419	25.809	-.00047
#2	1.4165	.04699	.65277	.02161	1.2072	-.00066	-.00584	25.699	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40320**	**.00496**	**.09878**	**.00182**	**.01589**	**.03667**	**.11268**	**.00338**
Stddev	.00070	.00043	.00021	.00007	.01245	.00022	.00005	.00195
%RSD	.17384	8.7359	.21750	4.0419	78.339	.60218	.04703	57.782
#1	.40271	.00465	.09863	.00177	.00709	.03682	.11272	.00200
#2	.40370	.00526	.09893	.00188	.02469	.03651	.11264	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5120.6**	**85541.**	**6993.1**
Stddev	7.4	10.	26.9
%RSD	.14468	.01179	.38435
#1	5125.8	85548.	6974.1
#2	5115.3	85534.	7012.1

Sample Name: 280-62148-A-1-B SD@5 Acquired: 11/17/2014 15:18:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (AI)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	W **2.7544**	**.00152**	**.00588**	**.02795**	**.00019**	**-.00195**	**30.077**	**.00037**
Stddev	.00031	.0453	.00120	.00072	.00007	.00002	.00076	.030	.00006
%RSD	46.526	1.6440	78.912	12.292	.26735	10.716	39.150	.10076	16.977
#1	.00045	2.7224	.00236	.00537	.02800	.00021	-.00248	30.098	.00032
#2	.00088	2.7864	.00067	.00639	.02789	.00018	-.00141	30.055	.00041
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.7000							
Low Limit		-.05000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**.00413**	**.00351**	**3.0128**	**1.0743**	**.00462**	**1.1419**	**.11480**	**.00009**
Stddev	.00006	.00007	.00002	.0032	.0026	.00062	.0064	.00071	.00036
%RSD	3.4309	1.5730	.60072	.10765	.24490	13.460	.56321	.61830	397.20
#1	.00165	.00418	.00353	3.0105	1.0724	.00418	1.1373	.11429	.00035
#2	.00157	.00409	.00350	3.0151	1.0761	.00506	1.1464	.11530	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35135**	**.00903**	**.12718**	**.00470**	**.24233**	**-.00175**	**-.00044**	**4.8964**	**-.00001**
Stddev	.00291	.00007	.00121	.00149	.00389	.00048	.00039	.0068	.00050
%RSD	.82875	.77274	.95510	31.681	1.6035	27.638	89.322	.13944	3693.7
#1	.35341	.00898	.12632	.00575	.23958	-.00141	-.00016	4.8916	.00034
#2	.34929	.00907	.12804	.00364	.24507	-.00209	-.00072	4.9012	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07769**	**.00225**	**.01910**	**.00059**	**.01588**	**.00676**	**.02180**	**.00036**
Stddev	.00008	.00162	.00021	.00086	.01158	.00020	.00086	.00085
%RSD	.10119	72.184	1.0928	146.76	72.922	2.9266	3.9433	235.14
#1	.07763	.00339	.01925	.00120	.00769	.00690	.02119	.00096
#2	.07774	.00110	.01896	-.00002	.02406	.00662	.02240	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5236.2**	**87656.**	**6915.4**
Stddev	11.4	48.	40.3
%RSD	.21691	.05470	.58283
#1	5244.2	87690.	6886.9
#2	5228.2	87622.	6943.9

Sample Name: 280-62148-A-1-C MS Acquired: 11/17/2014 15:21:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (Al)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05619**	**33.550**	**.99380**	**1.0722**	**2.1951**	**.05034**	**2.1505**	**203.71**	**.09704**
Stddev	.00008	.083	.00507	.0062	.0019	.00012	.0196	.68	.00039
%RSD	.14028	.24753	.51026	.57556	.08636	.23114	.91050	.33182	.40517
#1	.05624	33.491	.99738	1.0766	2.1937	.05026	2.1643	203.23	.09732
#2	.05613	33.609	.99021	1.0679	2.1964	.05043	2.1366	204.18	.09676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49237**	**.24411**	**.27540**	**18.828**	**60.439**	**1.0533**	**55.071**	**1.0731**	**1.0201**
Stddev	.00011	.00050	.00013	.035	.161	.0029	.131	.0016	.0009
%RSD	.02210	.20621	.04839	.18556	.26621	.27920	.23779	.14866	.08625
#1	.49245	.24376	.27531	18.803	60.325	1.0512	54.978	1.0720	1.0195
#2	.49230	.24447	.27550	18.852	60.552	1.0554	55.164	1.0742	1.0208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.910**	**.52603**	**10.836**	**.51146**	**3.2750**	**.50315**	**2.0649**	W **50.335**	**1.9724**
Stddev	.083	.00165	.043	.00123	.0052	.00457	.0067	.022	.0039
%RSD	.15778	.31389	.39642	.23971	.15887	.90888	.32690	.04407	.19671
#1	52.851	.52486	10.866	.51232	3.2786	.50638	2.0697	50.319	1.9696
#2	52.969	.52720	10.806	.51059	3.2713	.49991	2.0602	50.350	1.9751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								50.000	
Low Limit								-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4045**	**.98008**	**1.1434**	**1.9292**	**2.0611**	**.57319**	**.58390**	**.49837**
Stddev	.0009	.00163	.0027	.0072	.0014	.00172	.00058	.00249
%RSD	.06128	.16635	.23672	.37098	.06545	.30013	.09929	.49966
#1	1.4039	.97893	1.1414	1.9342	2.0620	.57441	.58349	.49660
#2	1.4051	.98124	1.1453	1.9241	2.0601	.57197	.58431	.50013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4942.4**	**83014.**	**6898.9**
Stddev	50.8	275.	59.3
%RSD	1.0271	.33146	.85887
#1	4978.3	83209.	6940.8
#2	4906.5	82820.	6857.0

Sample Name: 280-62148-A-1-D MSD Acquired: 11/17/2014 15:24:00 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251750 200.7 (Al)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05693**	**33.943**	**.99921**	**1.0866**	**2.2114**	**.05067**	**2.1865**	**205.85**	**.09807**
Stddev	.00037	.142	.00271	.0008	.0078	.00014	.0005	.69	.00057
%RSD	.65451	.41780	.27142	.07815	.35101	.27638	.02166	.33355	.57886
#1	.05719	33.843	1.0011	1.0872	2.2059	.05057	2.1861	205.36	.09847
#2	.05666	34.043	.99729	1.0860	2.2168	.05077	2.1868	206.33	.09767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49678**	**.24587**	**.27777**	**18.962**	**60.855**	**1.0629**	**55.658**	**1.0865**	**1.0273**
Stddev	.00084	.00040	.00080	.088	.163	.0008	.011	.0011	.0013
%RSD	.16907	.16149	.28740	.46466	.26741	.07746	.02061	.10420	.12272
#1	.49738	.24615	.27720	18.899	60.740	1.0623	55.650	1.0873	1.0264
#2	.49619	.24559	.27833	19.024	60.970	1.0635	55.666	1.0857	1.0282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.138**	**.53180**	**11.012**	**.51686**	**3.3403**	**.51286**	**2.1037**	W **52.189**	**1.9892**
Stddev	.240	.00122	.012	.00262	.0011	.00144	.0089	.136	.0001
%RSD	.45176	.22847	.11136	.50770	.03407	.28105	.42411	.25973	.00461
#1	52.968	.53266	11.021	.51500	3.3395	.51388	2.0974	52.093	1.9893
#2	53.307	.53094	11.004	.51872	3.3411	.51184	2.1100	52.285	1.9892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								50.000	
Low Limit								-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4180**	**.98660**	**1.1725**	**1.9532**	**2.0786**	**.57727**	**.59141**	**.50328**
Stddev	.0036	.00072	.0012	.0078	.0026	.00172	.00030	.00334
%RSD	.25084	.07302	.10322	.40016	.12714	.29864	.05032	.66396
#1	1.4155	.98711	1.1733	1.9588	2.0767	.57605	.59162	.50092
#2	1.4205	.98609	1.1716	1.9477	2.0805	.57849	.59120	.50565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4954.7**	**82861.**	**6892.3**
Stddev	2.2	256.	63.3
%RSD	.04460	.30905	.91847
#1	4956.2	83042.	6937.0
#2	4953.1	82680.	6847.5

Sample Name: ccvh-2982968 Acquired: 11/17/2014 15:26:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00685**	**49.529**	**.00060**	**.00538**	**.00101**	**.00001**	**1.0351**	**.00966**	**-.00039**	**.00195**	**.00017**	**-.00249**	**49.235**
Stddev	.00091	.218	.00041	.00036	.00015	.00011	.0025	.00711	.00019	.00009	.00017	.00003	.074
%RSD	13.352	.44072	67.650	6.7375	15.339	787.49	.23742	73.627	48.301	4.4026	95.111	1.1010	.14963
#1	.00749	49.375	.00031	.00564	.00112	-.00006	1.0369	.01469	-.00025	.00189	.00029	-.00251	49.183
#2	.00620	49.683	.00089	.00512	.00090	.00009	1.0334	.00463	-.00052	.00201	.00006	-.00247	49.287
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15782**	**.00345**	**.13886**	**-.00288**	**-.00147**	**248.29**	**.00054**	**.00236**	**.00268**	**5.0381**	**-.00206**	**.00724**	**.01422**
Stddev	.00348	.00135	.00190	.00003	.00028	1.09	.00006	.00084	.00177	.0024	.00328	.00235	.00811
%RSD	2.2070	39.115	1.3653	1.1352	19.233	.43809	11.423	35.719	65.941	.04743	158.82	32.420	57.042
#1	.15536	.00441	.14020	-.00291	-.00127	247.52	.00058	.00296	.00393	5.0398	.00025	.00558	.00848
#2	.16029	.00250	.13752	-.00286	-.00167	249.06	.00050	.00177	.00143	5.0364	-.00438	.00890	.01995
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00060**	**4.7052**	**-.02241**	**.00005**	**9.8229**	**.00414**	**-.00054**	**-.03564**
Stddev	.00037	.00006	.0051	.00042	.00184	.0230	.00021	.00006	.00267
%RSD	15.038	9.6542	.10850	1.8943	3516.0	.23377	5.0125	11.313	7.4894
#1	.00271	.00064	4.7016	-.02211	.00135	9.8067	.00399	-.00058	-.03376
#2	.00219	.00056	4.7088	-.02271	-.00125	9.8392	.00428	-.00050	-.03753
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5013.1**	**83543.**	**6718.4**
Stddev	1.8	15.	24.5
%RSD	.03531	.01800	.36475
#1	5011.9	83532.	6735.7
#2	5014.4	83553.	6701.1

Sample Name: ccv-2984587 Acquired: 11/17/2014 15:29:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50277**	**.50467**	**.98640**	**.50547**	**.49425**	**.48665**	**.00597**	**4.9295**	**.49835**	**.49215**	**.48634**	**.49766**	**2.4983**	**48.838**
Stddev	.00165	.00209	.00010	.00033	.00232	.00233	.00078	.0231	.00030	.00002	.00008	.00212	.0122	.234
%RSD	.32764	.41365	.00966	.06463	.46881	.47963	13.092	.46949	.06015	.00413	.01691	.42512	.48839	.47868
#1	.50161	.50615	.98634	.50524	.49261	.48500	.00652	4.9132	.49814	.49216	.48640	.49616	2.4896	48.672
#2	.50394	.50320	.98647	.50570	.49588	.48830	.00542	4.9459	.49856	.49213	.48628	.49915	2.5069	49.003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0097**	**19.303**	**.48657**	**.49872**	**5.2239**	**.49016**	**.97963**	**.99642**	**.00749**	**1.0197**	**1.0230**	**4.8641**	**.99610**	**.48856**
Stddev	.0035	.032	.00103	.00051	.0086	.00008	.00276	.00088	.00171	.0033	.0019	.0080	.00086	.00225
%RSD	.34749	.16436	.21122	.10211	.16525	.01643	.28188	.08799	22.783	.32636	.18477	.16421	.08635	.46074
#1	1.0072	19.281	.48585	.49836	5.2178	.49010	.98159	.99580	.00869	1.0174	1.0243	4.8585	.99671	.48696
#2	1.0122	19.326	.48730	.49908	5.2300	.49021	.97768	.99704	.00628	1.0221	1.0217	4.8698	.99549	.49015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02633**	**.48712**	**1.0171**	**.01491**	**.48212**	**.47152**	**.48882**
Stddev	.00060	.00095	.0020	.03345	.00178	.00177	.00366
%RSD	2.2714	.19570	.19748	224.36	.36899	.37452	.74793
#1	.02590	.48644	1.0185	.03857	.48086	.47277	.48624
#2	.02675	.48779	1.0157	-.00874	.48338	.47027	.49141
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5143.7**	**85861.**	**6749.5**
Stddev	3.8	80.	40.5
%RSD	.07452	.09334	.60040
#1	5146.4	85804.	6778.2
#2	5141.0	85917.	6720.9

Sample Name: CCB Acquired: 11/17/2014 15:31:31 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00100**	**-.00454**	**-.00191**	W **.00243**	**.00019**	**.00009**	**-.00175**	**.00031**	**.00020**	**-.00005**	**-.00026**	**.00040**
Stddev	.00023	.00157	.00055	.00040	.00001	.00013	.00168	.00062	.00014	.00002	.00001	.00028
%RSD	22.891	34.492	28.804	16.479	4.6724	145.54	96.057	198.56	71.778	47.518	4.1871	70.238
#1	.00117	-.00565	-.00230	.00272	.00020	.00018	-.00295	-.00013	.00010	-.00007	-.00027	.00060
#2	.00084	-.00343	-.00152	.00215	.00018	-.00000	-.00056	.00075	.00030	-.00003	-.00025	.00020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00156								
Low Limit	-.00093			-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**.09874**	**.00026**	**.00729**	**.00006**	**.00021**	W **.12090**	**-.00052**	**.00094**	**.00089**	**.00633**	**.00086**
Stddev	.00021	.03168	.00070	.00025	.00004	.00016	.00084	.00016	.00066	.00001	.00440	.00033
%RSD	5.0324	32.090	263.34	3.4696	67.552	76.002	.69381	30.231	69.390	1.4462	69.392	38.882
#1	.00435	.07633	-.00023	.00711	.00003	.00033	.12149	-.00041	.00141	.00088	.00944	.00109
#2	.00405	.12114	.00076	.00747	.00009	.00010	.12030	-.00063	.00048	.00090	.00323	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00423**	**.00020**	**.00014**	**.00338**	**.00055**	**.00031**	**.01890**	**-.00006**	**-.00083**	**-.00118**
Stddev	.00130	.00013	.00115	.00011	.00016	.00017	.00044	.03042	.00043	.00037	.00077
%RSD	619.96	3.0319	573.99	81.312	4.8421	30.411	140.29	160.92	763.32	45.093	65.251
#1	.00071	.00414	-.00061	.00022	.00327	.00066	.00062	.04041	-.00036	-.00109	-.00172
#2	-.00113	.00433	.00101	.00006	.00350	.00043	.00000	-.00261	.00025	-.00056	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5208.2**	**87680.**	**6758.6**
Stddev	11.8	39.	.0
%RSD	.22636	.04428	.00055
#1	5216.5	87652.	6758.6
#2	5199.9	87707.	6758.7

Sample Name: CCVL2994499 Acquired: 11/17/2014 15:34:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01110**	**.10227**	**.01533**	**.10301**	**.01024**	**.00106**	**.11461**	**.22320**	**.00530**	**.01024**	**.00998**	**.01593**
Stddev	.00037	.00048	.00262	.00041	.00024	.00004	.00206	.00041	.00017	.00006	.00023	.00038
%RSD	3.3098	.47202	17.122	.39398	2.3654	3.3867	1.8009	.18512	3.1646	.61291	2.3339	2.3852
#1	.01136	.10193	.01347	.10272	.01041	.00109	.11607	.22349	.00518	.01029	.01015	.01620
#2	.01084	.10261	.01719	.10330	.01007	.00104	.11315	.22290	.00542	.01020	.00982	.01566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10420**	**3.1314**	F **.01312**	**.20983**	**.01029**	**.02062**	**1.1633**	**.04039**	**2.8941**	**.01050**	**.00721**	**.01030**
Stddev	.00030	.0003	.00106	.00018	.00002	.00033	.0198	.00024	.0014	.00033	.00401	.00237
%RSD	.28889	.00905	8.0763	.08441	.17993	1.5952	1.6997	.59160	.04984	3.1814	55.594	23.044
#1	.10399	3.1316	.01237	.20995	.01028	.02085	1.1773	.04022	2.8952	.01074	.01004	.00862
#2	.10441	3.1312	.01386	.20970	.01031	.02039	1.1494	.04055	2.8931	.01026	.00437	.01198
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			30.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01541**	**.49676**	**.10320**	**.01022**	**.01713**	**.01005**	**.01750**	W **.07616**	**.00940**	W **.02528**	**.01575**
Stddev	.00219	.00228	.00030	.00003	.00197	.00013	.00022	.00325	.00029	.00101	.00020
%RSD	14.194	.45894	.28648	.32847	11.510	1.2769	1.2770	4.2612	3.1067	3.9998	1.2850
#1	.01695	.49514	.10299	.01024	.01852	.00996	.01735	.07845	.00961	.02456	.01561
#2	.01386	.49837	.10341	.01020	.01573	.01015	.01766	.07386	.00920	.02599	.01589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
Value								.06000		.02000	
Range								20.000%		20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5224.1**	**87684.**	**6761.4**
Stddev	13.9	15.	34.8
%RSD	.26576	.01662	.51429
#1	5214.3	87674.	6786.0
#2	5233.9	87694.	6736.8

Sample Name: MB 280-252087/1-A Acquired: 11/17/2014 15:36:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00299**	**-.00261**	**.00111**	**-.00003**	**-.00003**	**.00034**	**.00239**	**.00019**
Stddev	.00021	.00021	.00145	.00012	.00013	.00007	.00001	.00188	.00003
%RSD	33.040	7.0484	55.404	11.024	370.58	226.36	2.9505	78.714	17.100
#1	.00080	-.00314	-.00159	.00120	-.00013	-.00009	.00035	.00106	.00021
#2	.00050	-.00284	-.00364	.00103	.00006	.00002	.00034	.00373	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00000**	**.00030**	**.00473**	**.08787**	**.00177**	**.00260**	**.00011**	**.00037**
Stddev	.00020	.00002	.00029	.00116	.01868	.00151	.00193	.00000	.00018
%RSD	248.05	508.65	97.445	24.439	21.261	85.540	74.324	4.1215	47.841
#1	-.00006	-.00002	.00051	.00392	.10109	.00070	.00123	.00011	.00049
#2	.00022	.00001	.00009	.00555	.07466	.00284	.00397	.00012	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08650**	**-.00049**	**.00224**	**-.00074**	**.01306**	**-.00002**	**-.00371**	**.00003**	**-.00041**
Stddev	.00103	.00027	.00410	.00003	.00054	.00013	.00208	.01285	.00061
%RSD	1.1959	55.110	182.90	3.5683	4.1069	802.40	56.068	42482.	151.14
#1	.08576	-.00068	.00514	-.00072	.01268	-.00011	-.00518	-.00905	.00003
#2	.08723	-.00030	-.00066	-.00076	.01344	.00008	-.00224	.00911	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00375**	**.00072**	**-.00079**	**.00991**	**-.00016**	**.00001**	**-.00139**
Stddev	.00003	.00221	.00049	.00074	.02992	.00006	.00043	.00104
%RSD	48.173	58.745	67.180	94.348	301.92	36.410	4577.7	74.852
#1	.00007	.00220	.00038	-.00026	.03107	-.00020	-.00029	-.00065
#2	.00004	.00531	.00107	-.00131	-.01125	-.00012	.00031	-.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5250.2**	**88567.**	**6802.9**
Stddev	3.8	166.	19.0
%RSD	.07286	.18704	.27922
#1	5247.5	88684.	6789.5
#2	5252.9	88450.	6816.4

Sample Name: LCS 280-252087/2-A Acquired: 11/17/2014 15:39:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05442**	**1.8238**	**.94791**	**1.0067**	**1.8854**	**.04578**	**2.1304**	**46.176**	**.09300**
Stddev	.00118	.0040	.00007	.0037	.0343	.00076	.0057	.814	.00000
%RSD	2.1638	.21760	.00777	.36813	1.8188	1.6626	.26943	1.7626	.00467
#1	.05525	1.8267	.94786	1.0041	1.9097	.04632	2.1263	46.752	.09300
#2	.05359	1.8210	.94796	1.0094	1.8612	.04524	2.1344	45.601	.09299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45854**	**.18313**	**.23518**	**.92379**	**47.704**	**.96781**	F **45.433**	**.45536**	**.99279**
Stddev	.00101	.00080	.00129	.01978	.741	.01659	.124	.00089	.00224
%RSD	.21944	.43464	.54736	2.1410	1.5531	1.7140	.27375	.19548	.22559
#1	.45783	.18257	.23609	.93778	48.228	.97954	45.521	.45599	.99120
#2	.45926	.18369	.23427	.90981	47.181	.95608	45.345	.45473	.99437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							56.500		
Low Limit							46.000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.738**	**.45458**	**9.8373**	**.48256**	**2.0261**	**.50750**	**2.0193**	**9.4136**	**1.8985**
Stddev	.490	.00141	.0207	.00035	.0101	.00140	.0101	.1417	.0085
%RSD	1.0057	.31029	.21029	.07174	.49985	.27499	.50132	1.5057	.44676
#1	49.085	.45358	9.8227	.48232	2.0189	.50651	2.0121	9.5138	1.8925
#2	48.392	.45557	9.8519	.48281	2.0333	.50849	2.0264	9.3134	1.9045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92515**	**.90338**	**.92025**	**1.9541**	**1.9272**	**.46331**	**.44369**	**.45228**
Stddev	.01687	.00007	.00207	.0037	.0049	.00136	.00023	.00869
%RSD	1.8230	.00739	.22475	.18801	.25321	.29372	.05106	1.9223
#1	.93707	.90333	.92171	1.9515	1.9306	.46427	.44385	.45843
#2	.91322	.90342	.91879	1.9567	1.9237	.46235	.44353	.44613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5060.5**	**84709.**	**6757.8**
Stddev	6.1	148.	99.9
%RSD	.12104	.17453	1.4779
#1	5064.9	84605.	6687.2
#2	5056.2	84814.	6828.4

Sample Name: 280-62274-C-7-B Acquired: 11/17/2014 15:42:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.00557**	**.01300**	**6.5829**	**.01469**	**-.00006**	**-.00735**	**247.78**	**.00037**
Stddev	.00008	.00095	.00213	.0073	.00016	.00003	.00580	4.62	.00003
%RSD	12.491	16.984	16.388	.11006	1.0927	52.472	78.902	1.8639	8.1594
#1	.00062	-.00490	.01149	6.5881	.01480	-.00008	-.01145	244.51	.00040
#2	.00074	-.00624	.01451	6.5778	.01457	-.00004	-.00325	251.05	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00055**	**.00285**	**.00271**	**4.4392**	**.13529**	**69.193**	**.00145**	**.09708**
Stddev	.00021	.00008	.00014	.00031	.0860	.00254	2.720	.00001	.00010
%RSD	118.38	13.897	4.8575	11.423	1.9368	1.8741	3.9303	.36095	.10299
#1	-.00032	.00061	.00275	.00249	4.3784	.13350	67.270	.00144	.09715
#2	-.00003	.00050	.00295	.00292	4.5000	.13709	71.116	.00145	.09701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**342.12**	**.00049**	**.39120**	**.00014**	**343.28**	**.00254**	W **-.00645**	**28.614**	**-.00096**
Stddev	4.54	.00010	.00334	.00029	.33	.00442	.00082	.502	.00034
%RSD	1.3257	19.816	.85420	215.22	.09471	173.55	12.705	1.7548	35.902
#1	338.91	.00056	.38884	.00034	343.51	.00567	-.00587	28.259	-.00120
#2	345.33	.00043	.39357	-.00007	343.05	-.00058	-.00703	28.969	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2915**	**.00353**	**.00058**	**.00322**	**-.00301**	**.00623**	**.02881**	**.00107**
Stddev	.1135	.00278	.00014	.00071	.00146	.00058	.00198	.00075
%RSD	2.6441	78.857	24.749	21.929	48.432	9.3702	6.8818	69.523
#1	4.2113	.00550	.00048	.00372	-.00404	.00582	.02741	.00054
#2	4.3718	.00156	.00069	.00272	-.00198	.00664	.03021	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4796.4**	**82579.**	**6618.9**
Stddev	.8	2519.	120.4
%RSD	.01638	3.0504	1.8185
#1	4797.0	84360.	6704.0
#2	4795.9	80798.	6533.8

Sample Name: 280-62274-C-8-B Acquired: 11/17/2014 15:44:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.01332**	**.00372**	**7.9447**	**.01581**	**.00000**	**-.00254**	**186.71**	**.00051**
Stddev	.00053	.00048	.00475	.0133	.00027	.00006	.00136	.28	.00008
%RSD	73.648	3.6317	127.53	.16743	1.7358	1285.5	53.513	.14919	15.380
#1	.00034	-.01298	.00037	7.9353	.01601	.00005	-.00350	186.51	.00056
#2	.00109	-.01366	.00708	7.9541	.01562	-.00004	-.00158	186.90	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00010**	**.00153**	**.00868**	**2.1024**	**.09640**	**82.063**	**.00843**	**.07955**
Stddev	.00009	.00000	.00020	.00154	.0429	.00263	.125	.00001	.00014
%RSD	51.413	1.4061	12.822	17.716	2.0404	2.7297	.15267	.10634	.18142
#1	.00025	.00009	.00139	.00759	2.0721	.09826	82.152	.00843	.07965
#2	.00012	.00010	.00167	.00977	2.1327	.09454	81.974	.00844	.07944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**315.12**	**.00237**	**.33511**	**.00096**	**271.92**	**.00012**	**-.00193**	**11.667**	**-.00109**
Stddev	.21	.00009	.00168	.00014	.53	.00104	.00424	.014	.00034
%RSD	.06561	3.7855	.50220	14.675	.19588	874.91	219.38	.11852	31.224
#1	315.26	.00230	.33630	.00106	271.55	-.00062	-.00494	11.657	-.00133
#2	314.97	.00243	.33392	.00086	272.30	.00086	.00107	11.677	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8620**	**.00195**	**.00034**	**.00380**	**.06028**	**.01251**	**.00185**	**-.00180**
Stddev	.0466	.00134	.00028	.00070	.02362	.00005	.00015	.00015
%RSD	.95953	68.889	83.142	18.560	39.177	.37187	8.1011	8.4366
#1	4.8290	.00290	.00054	.00429	.07698	.01255	.00175	-.00190
#2	4.8950	.00100	.00014	.00330	.04358	.01248	.00196	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4804.3**	**81071.**	**6588.4**
Stddev	8.9	315.	32.9
%RSD	.18446	.38846	.49907
#1	4810.6	80848.	6611.7
#2	4798.1	81293.	6565.2

Sample Name: 280-62274-C-10-B Acquired: 11/17/2014 15:47:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.01472**	**.00049**	**8.6540**	**.01869**	**-.00001**	**-.00604**	**208.73**	**.00044**
Stddev	.00019	.00109	.00142	.0050	.00013	.00006	.00387	.57	.00020
%RSD	20.439	7.3779	286.86	.05754	.71531	410.48	64.133	.27428	44.791
#1	.00105	-.01549	.00150	8.6505	.01878	.00003	-.00878	209.14	.00030
#2	.00079	-.01395	-.00051	8.6575	.01859	-.00006	-.00330	208.33	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00018**	**.00137**	**.00801**	**2.1315**	**.11495**	**94.927**	**.00039**	**.08273**
Stddev	.00009	.00009	.00009	.00086	.0711	.00103	.191	.00006	.00027
%RSD	34.008	50.715	6.8624	10.745	3.3334	.89751	.20151	16.215	.32941
#1	.00032	.00024	.00144	.00740	2.0813	.11422	95.062	.00034	.08253
#2	.00019	.00011	.00130	.00861	2.1818	.11568	94.792	.00043	.08292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**342.97**	**.00037**	**.20772**	**-.00103**	**334.54**	**.00019**	**-.00009**	**12.931**	**-.00177**
Stddev	.50	.00037	.00192	.00113	.06	.00148	.00283	.059	.00172
%RSD	.14480	98.340	.92212	109.28	.01805	783.87	3042.5	.45950	97.340
#1	343.32	.00011	.20637	-.00183	334.49	-.00086	-.00209	12.973	-.00055
#2	342.62	.00063	.20908	-.00023	334.58	.00124	.00190	12.889	-.00299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1343**	**.00341**	**.00054**	**.00190**	**.01720**	**.02582**	**.00211**	**-.00036**
Stddev	.0626	.00254	.00012	.00049	.05118	.00048	.00042	.00096
%RSD	1.2200	74.483	21.839	26.035	297.56	1.8662	19.934	266.76
#1	5.1786	.00520	.00045	.00155	-.01899	.02616	.00181	-.00104
#2	5.0900	.00161	.00062	.00225	.05339	.02548	.00240	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4782.9**	**80468.**	**6623.3**
Stddev	10.8	11.	10.0
%RSD	.22650	.01379	.15031
#1	4775.3	80476.	6616.3
#2	4790.6	80460.	6630.3

Sample Name: 280-62274-C-11-B Acquired: 11/17/2014 15:50:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00046**	k **-.01744**	k **.00326**	**7.0584**	**.01264**	k **.00001**	k **-.00750**	k **268.98**	k **.03418**
Stddev	.00188	.00001	.00037	.0359	.00042	.00004	.00151	.27	.00012
%RSD	403.45	.08286	11.392	.50816	3.3163	389.57	20.174	.10179	.35273
#1	.00086	-.01745	.00352	7.0330	.01293	-.00002	-.00643	268.78	.03427
#2	s -.00179	k -.01743	k .00300	7.0838	.01234	k .00004	k -.00857	k 269.17	k .03410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00003**	k **.00213**	s **.00468**	k **.00364**	**3.7120**	k **.13895**	s **79.884**	s **.00167**	**.01114**
Stddev	.00001	.00000	.00185	.00237	.0225	.00125	11.723	.00021	.00001
%RSD	26.869	.20050	39.398	65.135	.60519	.89783	14.675	12.581	.11121
#1	.00002	.00213	.00338	.00532	3.6961	.13983	71.595	.00152	.01113
#2	k .00004	k .00214	s .00599	k .00196	3.7279	k .13807	s 88.174	s .00182	.01115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**360.66**	k **.00316**	**.25330**	k **-.00013**	k **385.14**	k **.00116**	kW **-.00746**	k **19.368**	k **-.00225**
Stddev	.25	.00015	.00302	.00094	2.39	.00037	.00268	.125	.00007
%RSD	.07048	4.5957	1.1913	745.23	.62055	31.657	35.931	.64510	3.2578
#1	360.84	.00326	.25116	-.00079	383.45	.00142	-.00556	19.457	-.00220
#2	360.48	k .00306	.25543	k .00054	k 386.83	k .00090	k -.00935	k 19.280	k -.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0446**	s **.00212**	s **.00107**	k **.00309**	s **-.01028**	s **.00526**	s **.06949**	k **-.00122**
Stddev	.0004	.00039	.00089	.00042	.01607	.00073	.00913	.00142
%RSD	.00916	18.331	82.596	13.654	156.34	13.955	13.144	116.90
#1	4.0444	.00239	.00045	.00339	.00108	.00474	.06303	-.00222
#2	4.0449	s .00184	s .00170	k .00279	s -.02164	s .00578	s .07594	k -.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4686.2**	^ *****	**6698.6**
Stddev	18.3	-----	8.8
%RSD	.38951	-----	.13124
#1	4673.3	79995.	6704.8
#2	4699.1	^ -----	6692.4

Sample Name: 280-62274-C-12-B Acquired: 11/17/2014 15:53:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.01703**	**.10802**	**5.1639**	**.01617**	**-.00005**	**-.00869**	**335.89**	**-.00016**
Stddev	.00058	.00059	.00086	.0065	.00009	.00002	.00494	1.24	.00010
%RSD	152.07	3.4870	.79447	.12642	.54351	44.471	56.859	.36905	63.792
#1	.00079	-.01661	.10863	5.1593	.01611	-.00003	-.01219	335.01	-.00009
#2	-.00003	-.01745	.10741	5.1685	.01623	-.00007	-.00520	336.76	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00022**	**.00133**	**.00328**	**4.2492**	**.19201**	**92.021**	**.00673**	**.30966**
Stddev	.00006	.00006	.00011	.00113	.0281	.00035	.200	.00002	.00031
%RSD	60.260	28.590	8.0439	34.370	.66029	.18410	.21783	.28786	.09909
#1	.00006	.00027	.00140	.00248	4.2293	.19226	92.163	.00675	.30987
#2	.00015	.00018	.00125	.00407	4.2690	.19176	91.879	.00672	.30944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**450.57**	**.00071**	**.30859**	**-.00064**	**372.78**	**.00699**	**.00364**	**15.303**	**-.00069**
Stddev	.04	.00031	.00382	.00080	.75	.00187	.00444	.007	.00047
%RSD	.00857	43.441	1.2375	124.28	.20135	26.787	121.86	.04413	68.325
#1	450.60	.00049	.30589	-.00008	372.25	.00567	.00678	15.308	-.00102
#2	450.54	.00093	.31129	-.00120	373.31	.00832	.00050	15.298	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3826**	**.00325**	**.00044**	**.00395**	**.12205**	**.00131**	**.00538**	**-.00064**
Stddev	.1221	.00154	.00021	.00146	.01031	.00013	.00061	.00246
%RSD	2.2676	47.308	47.771	36.978	8.4444	9.8049	11.285	384.41
#1	5.4689	.00434	.00059	.00498	.11477	.00140	.00581	-.00238
#2	5.2962	.00217	.00029	.00291	.12934	.00122	.00495	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4570.3**	**76755.**	**6248.3**
Stddev	16.1	751.	26.4
%RSD	.35283	.97862	.42190
#1	4558.9	76224.	6229.6
#2	4581.7	77286.	6266.9

Sample Name: 280-62274-C-15-B Acquired: 11/17/2014 15:56:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.01571**	**.01974**	**6.4073**	**.00915**	**.00005**	**-.00787**	**235.65**	**.00023**
Stddev	.00047	.00055	.00031	.0081	.00007	.00013	.00146	4.86	.00012
%RSD	96.696	3.5221	1.5689	.12612	.71998	291.68	18.519	2.0640	50.690
#1	.00016	-.01532	.01952	6.4016	.00910	.00014	-.00684	232.21	.00015
#2	.00083	-.01610	.01996	6.4131	.00919	-.00005	-.00891	239.09	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00115**	**.00094**	**.00696**	**4.3780**	**.11488**	**69.039**	**.00067**	**.08939**
Stddev	.00004	.00014	.00027	.00043	.0294	.00271	.203	.00002	.00089
%RSD	26.355	12.532	28.651	6.1408	.67182	2.3573	.29406	2.7040	.99878
#1	-.00020	.00125	.00075	.00666	4.3572	.11680	69.183	.00068	.08876
#2	-.00014	.00105	.00113	.00727	4.3988	.11297	68.896	.00066	.09002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**337.23**	**.00140**	**.40881**	**-.00054**	**329.34**	**-.00132**	**-.00210**	**32.465**	**-.00027**
Stddev	.52	.00053	.00161	.00038	.18	.00126	.00086	.149	.00001
%RSD	.15459	38.135	.39343	71.024	.05388	95.245	41.125	.45956	3.3301
#1	337.59	.00102	.40767	-.00027	329.21	-.00221	-.00149	32.571	-.00026
#2	336.86	.00177	.40994	-.00080	329.46	-.00043	-.00271	32.360	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7394**	**.00179**	**.00029**	**.00126**	**.00853**	**.00209**	**.00101**	**-.00167**
Stddev	.0070	.00055	.00030	.00164	.03558	.00030	.00018	.00017
%RSD	.18642	30.649	103.76	129.66	417.00	14.364	18.175	10.427
#1	3.7443	.00140	.00051	.00010	.03370	.00188	.00088	-.00155
#2	3.7345	.00218	.00008	.00242	-.01663	.00231	.00114	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4687.1**	**78515.**	**6342.5**
Stddev	4.3	187.	38.7
%RSD	.09172	.23790	.61082
#1	4690.1	78383.	6315.1
#2	4684.0	78647.	6369.8

Sample Name: ccvh-2982968 Acquired: 11/17/2014 15:59:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00709**	**49.967**	**-.00579**	**.04659**	**.00055**	**.00004**	**1.0170**	**.03965**	**-.00056**	**.00162**	**.00024**	**-.00242**	**49.503**
Stddev	.00059	.023	.00542	.00412	.00012	.00008	.0017	.01396	.00019	.00017	.00007	.00006	.183
%RSD	8.3278	.04697	93.675	8.8466	22.640	221.95	.16805	35.198	33.474	10.387	29.109	2.6316	.36921
#1	.00667	49.984	-.00963	.04950	.00064	-.00002	1.0158	.04952	-.00070	.00174	.00029	-.00237	49.633
#2	.00751	49.951	-.00195	.04368	.00046	.00009	1.0182	.02978	-.00043	.00151	.00019	-.00246	49.374
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13662**	**.00302**	**.14856**	**-.00302**	**-.00184**	**250.27**	**.00092**	**.01426**	**.00189**	**5.0795**	**-.00142**	**.00198**	**.00185**
Stddev	.00884	.00016	.00394	.00002	.00011	.26	.00010	.00239	.00032	.0029	.00092	.00148	.00265
%RSD	6.4683	5.3901	2.6494	.62700	6.1468	.10511	10.986	16.742	16.950	.05742	65.026	74.577	142.86
#1	.13037	.00290	.15134	-.00301	-.00176	250.09	.00085	.01595	.00166	5.0775	-.00077	.00302	-.00002
#2	.14287	.00313	.14577	-.00304	-.00192	250.46	.00099	.01257	.00212	5.0816	-.00208	.00094	.00373
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00147**	**4.7460**	**-.02314**	**.00163**	**9.8530**	**.00410**	**-.00073**	**-.03623**
Stddev	.00058	.00010	.0064	.00030	.00025	.0078	.00033	.00049	.00219
%RSD	78.651	6.8400	.13523	1.3124	15.124	.07890	8.0981	67.530	6.0322
#1	.00033	.00154	4.7415	-.02335	.00145	9.8585	.00386	-.00108	-.03777
#2	.00116	.00140	4.7506	-.02292	.00180	9.8475	.00433	-.00038	-.03468
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4902.5**	**81611.**	**6383.3**
Stddev	1.4	360.	54.6
%RSD	.02803	.44130	.85499
#1	4901.5	81866.	6344.7
#2	4903.4	81356.	6421.8

Sample Name: ccv-2984587 Acquired: 11/17/2014 16:01:48 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50005**	**.51503**	**.97155**	**.52245**	**.49672**	**.48459**	**.00836**	**4.9531**	**.49047**	**.49403**	**.49009**	**.49334**	**2.4917**
Stddev	.00662	.00414	.00212	.00344	.00029	.00110	.00281	.0109	.00514	.00128	.00265	.00385	.0070
%RSD	1.3235	.80430	.21834	.65901	.05869	.22713	33.610	.22064	1.0470	.25862	.54005	.77973	.27935
#1	.50473	.51796	.97005	.52002	.49693	.48537	.01034	4.9609	.48684	.49493	.49197	.49606	2.4966
#2	.49537	.51210	.97305	.52488	.49651	.48381	.00637	4.9454	.49410	.49313	.48822	.49062	2.4867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.906**	**1.0077**	**19.580**	**.49455**	**.50124**	**5.3838**	**.49382**	**.97368**	**.99852**	**.05727**	**.99135**	**1.0045**	**4.8990**
Stddev	.155	.0013	.214	.00568	.00163	.0304	.00302	.00997	.00178	.00170	.01756	.0144	.0081
%RSD	.31591	.12875	1.0907	1.1475	.32567	.56483	.61115	1.0237	.17871	2.9665	1.7714	1.4387	.16483
#1	49.015	1.0087	19.731	.49857	.50240	5.4053	.49595	.96663	.99978	.05847	.97894	.99426	4.9047
#2	48.796	1.0068	19.429	.49054	.50009	5.3623	.49168	.98073	.99725	.05607	1.0038	1.0147	4.8933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99629**	**.49046**	**.02613**	**.49377**	**1.0087**	**-.02978**	**.48799**	**.48928**	**.48659**
Stddev	.00102	.00040	.00226	.00615	.0055	.00449	.00513	.00650	.00045
%RSD	.10263	.08231	8.6500	1.2446	.54781	15.070	1.0509	1.3279	.09160
#1	.99701	.49075	.02773	.49812	1.0048	-.03296	.49161	.49388	.48627
#2	.99557	.49018	.02453	.48943	1.0126	-.02661	.48436	.48469	.48690
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4902.7**	**82477.**	**6458.9**
Stddev	179.3	1022.	52.9
%RSD	3.6578	1.2389	.81964
#1	4775.9	81754.	6421.4
#2	5029.5	83199.	6496.3

Sample Name: CCB Acquired: 11/17/2014 16:04:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00124**	**-.00452**	**-.00014**	F **.02017**	**.00016**	**.00018**	**.00032**	**.00912**	**.00031**	**.00024**	**.00008**	**-.00051**
Stddev	.00005	.00064	.00003	.00160	.00010	.00002	.00129	.00258	.00002	.00004	.00013	.00034
%RSD	4.3436	14.246	20.415	7.9296	63.339	10.347	398.51	28.330	6.4124	16.254	170.01	67.816
#1	.00128	-.00406	-.00016	.02131	.00009	.00020	-.00059	.00729	.00033	.00021	.00017	-.00026
#2	.00120	-.00497	-.00012	.01904	.00023	.00017	.00124	.01094	.00030	.00027	-.00002	-.00075
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.08051**	**.00146**	**.00926**	**.00007**	**.00029**	F **.21182**	**-.00049**	**.00646**	**.00038**	**.04222**	**-.00102**
Stddev	.00037	.03571	.00082	.00093	.00000	.00017	.00469	.00028	.00154	.00256	.00053	.00043
%RSD	12.593	44.352	55.945	10.025	.24027	59.426	2.2156	57.223	23.859	674.72	1.2488	41.994
#1	.00322	.10576	.00088	.00991	.00007	.00041	.21514	-.00069	.00755	.00219	.04185	-.00072
#2	.00269	.05526	.00204	.00860	.00007	.00017	.20851	-.00029	.00537	-.00143	.04259	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00397**	**.00777**	**-.00045**	**.00030**	**.00328**	**.00038**	**-.00006**	**.01103**	**-.00051**	**-.00088**	**-.00145**
Stddev	.00016	.00442	.00128	.00003	.00094	.00002	.00008	.01249	.00010	.00061	.00007
%RSD	3.9624	56.885	282.36	10.325	28.713	4.1954	133.99	113.24	19.532	69.402	4.7263
#1	-.00386	.01090	-.00135	.00027	.00395	.00039	-.00012	.00220	-.00044	-.00045	-.00150
#2	-.00408	.00465	.00045	.00032	.00262	.00037	-.00000	.01985	-.00058	-.00131	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5052.7**	**84277.**	**6367.4**
Stddev	31.8	195.	31.0
%RSD	.62887	.23109	.48739
#1	5075.2	84415.	6389.4
#2	5030.2	84139.	6345.5

Sample Name: CCVL2994499 Acquired: 11/17/2014 16:06:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01157**	**.10313**	**.01441**	**.11466**	**.01003**	**.00094**	**.11454**	F **.33508**	**.00529**	**.01060**	**.00999**	**.01534**
Stddev	.00078	.00044	.00439	.00001	.00015	.00003	.00098	.00248	.00001	.00014	.00034	.00020
%RSD	6.7817	.42196	30.489	.00806	1.5339	3.3432	.85821	.74128	.27845	1.3645	3.3848	1.3047
#1	.01212	.10344	.01130	.11467	.01014	.00096	.11523	.33684	.00530	.01070	.00975	.01520
#2	.01101	.10282	.01752	.11466	.00992	.00092	.11384	.33332	.00528	.01050	.01023	.01548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000				
Range								30.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10389**	**3.1602**	F **.01301**	**.21476**	**.01039**	**.02032**	W **1.2779**	**.04091**	**2.8789**	**.01034**	**.04461**	**.01112**
Stddev	.00081	.0079	.00127	.00165	.00006	.00021	.0080	.00038	.0014	.00033	.00218	.00030
%RSD	.78329	.24901	9.7434	.76786	.55478	1.0484	.62453	.92212	.04999	3.1681	4.8850	2.7072
#1	.10447	3.1547	.01391	.21359	.01043	.02047	1.2723	.04064	2.8779	.01011	.04307	.01133
#2	.10332	3.1658	.01212	.21592	.01035	.02017	1.2836	.04118	2.8799	.01058	.04616	.01091
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			30.000%				20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01233**	**.49752**	**.10290**	**.01026**	W **.01874**	**.01026**	**.01621**	**.04904**	**.00960**	F **.03701**	**.01409**
Stddev	.00167	.04199	.00022	.00010	.00121	.00014	.00105	.02042	.00022	.00007	.00038
%RSD	13.550	8.4399	.20898	.96585	6.4455	1.4008	6.4819	41.637	2.2519	.18826	2.7244
#1	.01115	.46783	.10305	.01033	.01959	.01036	.01547	.03461	.00976	.03696	.01382
#2	.01352	.52721	.10274	.01019	.01789	.01016	.01695	.06348	.00945	.03706	.01436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					.01500					.02000	
Range					20.000%					30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5130.3**	**86121.**	**6530.3**
Stddev	32.0	1102.	75.7
%RSD	.62353	1.2797	1.1585
#1	5107.6	85342.	6583.8
#2	5152.9	86900.	6476.8

Sample Name: 280-62274-C-11-B Acquired: 11/17/2014 16:09:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.01645**	**.00893**	**7.2884**	**.01303**	**-.00001**	**-.00680**	**282.80**	**.03571**
Stddev	.00001	.00020	.00163	.0032	.00016	.00003	.00284	2.91	.00021
%RSD	3.0593	1.1995	18.234	.04339	1.2186	201.97	41.811	1.0290	.57805
#1	.00035	-.01659	.00777	7.2907	.01314	.00001	-.00881	284.86	.03585
#2	.00034	-.01631	.01008	7.2862	.01292	-.00004	-.00479	280.74	.03556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00196**	**.00321**	**.00301**	**3.7024**	**.14500**	**76.746**	**.00164**	**.01170**
Stddev	.00001	.00003	.00025	.00125	.0819	.00047	.014	.00009	.00012
%RSD	3.9125	1.6875	7.7463	41.711	2.2115	.32177	.01807	5.4526	1.0582
#1	-.00018	.00199	.00339	.00212	3.6445	.14533	76.736	.00158	.01179
#2	-.00017	.00194	.00303	.00389	3.7603	.14467	76.756	.00171	.01161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**378.40**	**.00341**	**.24936**	**-.00040**	**394.51**	**.00123**	**-.00381**	**20.347**	**-.00200**
Stddev	.24	.00005	.00332	.00110	.30	.00036	.00402	.012	.00219
%RSD	.06249	1.3448	1.3296	273.23	.07549	29.287	105.54	.05867	109.26
#1	378.57	.00338	.24701	-.00118	394.72	.00098	-.00097	20.338	-.00046
#2	378.24	.00344	.25170	.00038	394.30	.00149	-.00665	20.355	-.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2030**	**.00244**	**.00070**	**.00158**	**.00866**	**.00580**	**.06690**	**.00058**
Stddev	.0686	.00052	.00022	.00078	.01051	.00002	.00024	.00131
%RSD	1.6330	21.296	31.248	49.750	121.41	.37733	.36463	227.66
#1	4.1544	.00207	.00085	.00213	.01609	.00579	.06672	.00150
#2	4.2515	.00281	.00054	.00102	.00123	.00582	.06707	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4719.8**	**78874.**	**6534.4**
Stddev	5.5	153.	13.4
%RSD	.11692	.19373	.20579
#1	4715.9	78982.	6524.9
#2	4723.7	78766.	6543.9

Sample Name: 280-62274-E-16-D Acquired: 11/17/2014 16:12:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**-.01635**	**.02315**	**9.1878**	**.01981**	**.00006**	**-.00596**	W **599.11**	**.00085**
Stddev	.00018	.00063	.00190	.0101	.00020	.00002	.00176	4.12	.00019
%RSD	35.775	3.8404	8.2109	.10976	1.0028	36.444	29.498	.68819	22.829
#1	.00065	-.01679	.02180	9.1807	.01995	.00008	-.00721	596.19	.00071
#2	.00039	-.01590	.02449	9.1949	.01967	.00005	-.00472	602.02	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00134**	**.00164**	**.01357**	**6.1363**	**.27695**	**193.90**	**.00110**	**.04607**
Stddev	.00012	.00006	.00024	.00469	.0645	.00030	.03	.00005	.00081
%RSD	84.711	4.3356	14.413	34.562	1.0519	.10705	.01575	4.1457	1.7506
#1	.00022	.00138	.00147	.01688	6.0907	.27716	193.88	.00114	.04550
#2	.00006	.00130	.00181	.01025	6.1820	.27674	193.92	.00107	.04664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **686.67**	**.00430**	**.34160**	**-.00091**	**468.67**	**-.00065**	**.10331**	**24.905**	**.00044**
Stddev	2.07	.00006	.00414	.00031	.02	.00057	.00058	.015	.00206
%RSD	.30101	1.3846	1.2105	34.110	.00364	88.419	.56578	.06054	473.92
#1	685.21	.00434	.33868	-.00113	468.68	-.00024	.10290	24.916	-.00102
#2	688.13	.00425	.34453	-.00069	468.66	-.00105	.10373	24.895	.00190
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8909**	**.00135**	**.00057**	**.00360**	**.03244**	**.00364**	**.00372**	**.00023**
Stddev	.2457	.00093	.00019	.00089	.00844	.00013	.00013	.00159
%RSD	2.4841	68.862	33.934	24.696	26.034	3.4767	3.4651	695.53
#1	10.065	.00069	.00043	.00297	.03841	.00373	.00363	.00136
#2	9.7172	.00201	.00070	.00423	.02647	.00355	.00381	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4416.3**	**75092.**	**6323.0**
Stddev	17.0	266.	7.3
%RSD	.38390	.35441	.11495
#1	4428.3	75280.	6317.8
#2	4404.3	74904.	6328.1

Sample Name: 280-62274-E-16-DSD@5 Acquired: 11/17/2014 16:15:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.01004**	**.00717**	**1.9051**	**.00407**	**-.00006**	**-.00140**	**124.10**	**.00038**
Stddev	.00026	.00029	.00076	.0031	.00023	.00013	.00085	.06	.00002
%RSD	35.555	2.8827	10.634	.16278	5.6609	231.80	60.685	.04441	5.9460
#1	.00091	-.01025	.00663	1.9073	.00391	-.00015	-.00200	124.14	.00037
#2	.00055	-.00984	.00771	1.9029	.00423	.00004	-.00080	124.06	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00033**	**.00042**	**.01558**	**1.2428**	**.05363**	**39.533**	**.00017**	**.00916**
Stddev	.00002	.00012	.00046	.00067	.0181	.00102	.043	.00003	.00014
%RSD	40.167	35.595	109.87	4.2895	1.4547	1.8963	.10756	14.815	1.4810
#1	.00003	.00024	.00074	.01510	1.2556	.05435	39.563	.00019	.00926
#2	.00005	.00041	.00009	.01605	1.2300	.05292	39.503	.00015	.00906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**135.62**	**.00073**	**.07046**	**.00000**	**89.755**	**.00140**	**.01788**	**4.8891**	**-.00089**
Stddev	.17	.00002	.00176	.00046	.043	.00285	.00176	.0003	.00020
%RSD	.12884	2.9188	2.5037	15082.	.04766	203.34	9.8665	.00571	22.060
#1	135.74	.00071	.07171	-.00032	89.724	.00341	.01663	4.8889	-.00075
#2	135.49	.00075	.06921	.00033	89.785	-.00061	.01912	4.8893	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9754**	**.00380**	**.00065**	**.00287**	**.01502**	**.00109**	**.00002**	**-.00142**
Stddev	.0014	.00177	.00023	.00221	.03314	.00056	.00008	.00092
%RSD	.07169	46.540	35.607	76.835	220.69	51.107	384.25	64.677
#1	1.9744	.00255	.00081	.00443	.03845	.00148	.00008	-.00207
#2	1.9764	.00504	.00048	.00131	-.00842	.00069	-.00004	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4860.7**	**80649.**	**6422.4**
Stddev	7.1	61.	52.7
%RSD	.14527	.07614	.82124
#1	4855.7	80606.	6385.1
#2	4865.7	80692.	6459.7

Sample Name: 280-62274-E-16-E MS Acquired: 11/17/2014 16:18:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05627**	**1.7136**	**1.0170**	**10.007**	**1.9511**	**.04585**	**2.0608**	W **635.54**	**.09478**
Stddev	.00052	.0037	.0038	.013	.0025	.00012	.0084	7.74	.00042
%RSD	.92368	.21523	.37386	.12609	.12630	.25380	.40562	1.2171	.44658
#1	.05590	1.7110	1.0197	9.9983	1.9493	.04577	2.0549	641.01	.09448
#2	.05664	1.7162	1.0143	10.016	1.9528	.04593	2.0667	630.07	.09508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44137**	**.18307**	**.23457**	**.93170**	**57.275**	**1.2947**	**235.91**	**.45315**	**1.0496**
Stddev	.00017	.00009	.00101	.00210	.004	.0032	2.87	.00017	.0007
%RSD	.03959	.04876	.43081	.22591	.00770	.25000	1.2180	.03722	.06882
#1	.44150	.18300	.23529	.93319	57.278	1.2970	233.87	.45327	1.0501
#2	.44125	.18313	.23386	.93022	57.271	1.2924	237.94	.45303	1.0491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **727.09**	**.43952**	**10.749**	**.44765**	**465.64**	**.50877**	**2.1755**	**34.431**	**1.8383**
Stddev	.14	.00031	.000	.00034	.27	.00325	.0115	.063	.0062
%RSD	.01969	.07045	.00086	.07538	.05824	.63944	.52724	.18216	.33589
#1	727.19	.43974	10.749	.44741	465.45	.50647	2.1674	34.387	1.8427
#2	726.99	.43930	10.749	.44789	465.83	.51107	2.1836	34.476	1.8340
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.558**	**.91390**	**.92611**	**1.6779**	**1.9194**	**.47572**	**.43850**	**.45435**
Stddev	.069	.00094	.00152	.0013	.0338	.00404	.00079	.00157
%RSD	.64949	.10256	.16419	.07802	1.7629	.84910	.18038	.34467
#1	10.510	.91324	.92719	1.6769	1.8955	.47286	.43794	.45545
#2	10.607	.91456	.92503	1.6788	1.9433	.47858	.43906	.45324
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4373.9**	**74275.**	**6301.2**
Stddev	2.7	256.	4.6
%RSD	.06227	.34486	.07223
#1	4372.0	74456.	6298.0
#2	4375.8	74094.	6304.5

Sample Name: 280-62274-E-16-F MSD Acquired: 11/17/2014 16:21:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05614**	**1.6910**	**1.0168**	**9.9860**	**1.9405**	**.04544**	**2.0726**	W **626.91**	**.09465**
Stddev	.00042	.0029	.0025	.0066	.0097	.00008	.0018	.18	.00036
%RSD	.75031	.17173	.24712	.06628	.49797	.18591	.08834	.02925	.37757
#1	.05644	1.6931	1.0151	9.9813	1.9337	.04538	2.0739	627.04	.09491
#2	.05585	1.6890	1.0186	9.9907	1.9474	.04550	2.0713	626.78	.09440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43884**	**.18191**	**.23199**	**.92284**	**56.952**	**1.2914**	**231.56**	**.44886**	**1.0481**
Stddev	.00079	.00033	.00035	.00255	.254	.0035	2.71	.00115	.0008
%RSD	.18080	.18233	.15054	.27662	.44676	.26849	1.1691	.25569	.07942
#1	.43940	.18215	.23223	.92103	56.772	1.2889	233.48	.44967	1.0487
#2	.43828	.18168	.23174	.92464	57.132	1.2938	229.65	.44805	1.0476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **720.03**	**.43538**	**10.746**	**.44329**	**464.78**	**.51055**	**2.1890**	**34.341**	**1.8357**
Stddev	3.54	.00039	.002	.00041	.41	.00363	.0083	.184	.0043
%RSD	.49177	.09063	.02116	.09187	.08915	.71194	.38146	.53598	.23328
#1	717.53	.43510	10.744	.44300	464.49	.50798	2.1831	34.210	1.8387
#2	722.53	.43566	10.747	.44358	465.07	.51312	2.1949	34.471	1.8326
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.548**	**.90720**	**.92449**	**1.6811**	**1.9230**	**.46999**	**.43436**	**.45901**
Stddev	.152	.00244	.00263	.0042	.0128	.00118	.00076	.00080
%RSD	1.4378	.26902	.28454	.24756	.66589	.25033	.17422	.17496
#1	10.656	.90893	.92635	1.6782	1.9321	.46916	.43490	.45844
#2	10.441	.90548	.92263	1.6841	1.9140	.47082	.43383	.45958
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4387.9**	**74302.**	**6161.0**
Stddev	16.0	374.	17.7
%RSD	.36419	.50385	.28752
#1	4376.6	74038.	6173.5
#2	4399.2	74567.	6148.5

Sample Name: 280-62274-C-17-B Acquired: 11/17/2014 16:24:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**-.01224**	**.00500**	**9.4259**	**.02065**	**-.00004**	**-.00316**	**216.11**	**.00068**
Stddev	.00015	.00018	.00263	.0053	.00014	.00004	.00254	.68	.00033
%RSD	18.899	1.4423	52.563	.05668	.66155	103.27	80.498	.31418	49.123
#1	.00070	-.01236	.00314	9.4222	.02055	-.00007	-.00136	216.59	.00092
#2	.00091	-.01211	.00686	9.4297	.02075	-.00001	-.00496	215.63	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00020**	**.00089**	**.01348**	**2.0490**	**.13138**	**102.60**	**.00271**	**.07248**
Stddev	.00013	.00011	.00035	.00035	.0044	.00089	.24	.00005	.00064
%RSD	256.38	57.458	38.952	2.5608	.21391	.68095	.23473	1.7396	.88605
#1	.00004	.00028	.00114	.01372	2.0521	.13075	102.77	.00275	.07203
#2	-.00014	.00012	.00064	.01323	2.0459	.13202	102.43	.00268	.07293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**371.68**	**.00093**	**.31088**	**.00061**	**362.40**	**-.00059**	**-.00056**	**13.108**	**-.00110**
Stddev	.34	.00018	.00127	.00121	.26	.00024	.00139	.070	.00022
%RSD	.09172	19.340	.40999	196.57	.07074	40.495	249.79	.53680	19.964
#1	371.92	.00106	.31178	.00147	362.22	-.00042	-.00154	13.158	-.00094
#2	371.44	.00080	.30998	-.00024	362.58	-.00076	.00043	13.058	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6282**	**.00335**	**.00091**	**.00452**	**.05787**	**.01361**	**.00093**	**-.00109**
Stddev	.3210	.00139	.00008	.00027	.01598	.00014	.00015	.00057
%RSD	5.7042	41.566	8.9585	6.0204	27.609	1.0639	16.220	51.788
#1	5.8552	.00236	.00097	.00432	.06917	.01371	.00104	-.00069
#2	5.4011	.00433	.00085	.00471	.04657	.01351	.00083	-.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4679.0**	**78503.**	**6278.3**
Stddev	15.6	26.	214.3
%RSD	.33234	.03267	3.4136
#1	4668.0	78521.	6126.8
#2	4690.0	78485.	6429.9

Sample Name: 280-62274-C-19-B Acquired: 11/17/2014 16:27:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**-.01437**	**.00732**	**8.5848**	**.01942**	**-.00006**	**-.00438**	**227.51**	**.00013**
Stddev	.00023	.00076	.00193	.0226	.00017	.00005	.00030	.01	.00095
%RSD	15.189	5.2628	26.373	.26374	.87803	91.927	6.8001	.00268	741.10
#1	.00170	-.01490	.00868	8.5688	.01930	-.00009	-.00417	227.52	-.00054
#2	.00137	-.01383	.00595	8.6008	.01954	-.00002	-.00459	227.51	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00027**	**.00104**	**.00690**	**2.2955**	**.08375**	**116.80**	**.00072**	**.08928**
Stddev	.00001	.00017	.00015	.00113	.0348	.00149	.16	.00006	.00016
%RSD	4.8553	63.791	14.361	16.340	1.5163	1.7832	.13278	8.1082	.17399
#1	.00025	.00039	.00115	.00610	2.2709	.08270	116.69	.00076	.08939
#2	.00027	.00015	.00093	.00770	2.3201	.08481	116.91	.00068	.08917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**416.47**	**.00029**	**.38921**	**-.00095**	**437.61**	**-.00012**	**-.00136**	**13.231**	**-.00224**
Stddev	.59	.00037	.00311	.00242	.91	.00199	.00927	.030	.00003
%RSD	.14217	130.66	.79957	255.48	.20795	1654.2	683.58	.22815	1.1277
#1	416.05	.00002	.39141	.00076	436.96	.00129	.00520	13.210	-.00226
#2	416.89	.00055	.38701	-.00266	438.25	-.00153	-.00791	13.253	-.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7719**	**.00304**	**.00052**	**.00333**	**.04324**	**.00865**	**.00085**	**-.00226**
Stddev	.0181	.00048	.00031	.00120	.01882	.00054	.00036	.00015
%RSD	.37823	15.882	59.799	36.080	43.527	6.2539	42.859	6.5347
#1	4.7592	.00338	.00073	.00418	.05654	.00827	.00111	-.00215
#2	4.7847	.00270	.00030	.00248	.02993	.00903	.00059	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4656.4**	**77727.**	**6228.8**
Stddev	10.2	132.	7.2
%RSD	.21869	.17036	.11558
#1	4649.2	77633.	6223.7
#2	4663.6	77821.	6233.9

Sample Name: 280-62274-C-20-B Acquired: 11/17/2014 16:30:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.01394**	**.00226**	**9.0013**	**.01517**	**.00002**	**-.00325**	**233.34**	**.00059**
Stddev	.00024	.00015	.00138	.0165	.00010	.00007	.00144	5.07	.00011
%RSD	148.68	1.1043	61.187	.18371	.66359	299.65	44.296	2.1730	18.738
#1	.00032	-.01383	.00128	9.0130	.01510	.00007	-.00427	236.93	.00051
#2	-.00001	-.01405	.00324	8.9897	.01524	-.00003	-.00223	229.76	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00094**	**.00059**	**.01482**	**2.2274**	**.14313**	**110.22**	**.00569**	**.08988**
Stddev	.00015	.00001	.00036	.00032	.0075	.00036	.39	.00009	.00027
%RSD	52.483	.76826	61.235	2.1773	.33689	.24908	.34961	1.6369	.30431
#1	.00038	.00093	.00085	.01505	2.2327	.14338	110.49	.00576	.08968
#2	.00017	.00094	.00034	.01459	2.2221	.14288	109.94	.00563	.09007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**374.12**	**.00060**	**.16074**	**-.00066**	**377.63**	**.00107**	**-.00484**	**13.419**	**-.00131**
Stddev	1.78	.00007	.00220	.00078	.90	.00082	.00252	.009	.00014
%RSD	.47535	12.256	1.3674	118.68	.23848	77.325	52.143	.06376	10.421
#1	375.38	.00066	.15918	-.00121	378.27	.00048	-.00662	13.425	-.00141
#2	372.86	.00055	.16229	-.00011	377.00	.00165	-.00306	13.413	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1226**	**.00513**	**.00082**	**.00247**	**.02654**	**.03943**	**.00334**	**.00024**
Stddev	.0970	.00127	.00033	.00044	.00928	.00035	.00015	.00049
%RSD	1.5845	24.820	40.906	17.979	34.980	.88130	4.5209	203.99
#1	6.0540	.00603	.00058	.00278	.01998	.03919	.00345	-.00011
#2	6.1912	.00423	.00105	.00215	.03311	.03968	.00324	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4685.9**	**78467.**	**6408.2**
Stddev	22.4	414.	58.5
%RSD	.47859	.52804	.91359
#1	4701.8	78174.	6366.8
#2	4670.1	78760.	6449.6

Sample Name: ccvh-2982968 Acquired: 11/17/2014 16:33:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00656**	**49.785**	**.00592**	**.06791**	**.00036**	**-.00002**	**1.0166**	**.02886**	**-.00047**	**.00144**	**.00035**	**-.00242**	**49.417**
Stddev	.00079	.018	.00540	.00432	.00026	.00003	.0022	.00552	.00000	.00016	.00011	.00019	.048
%RSD	12.005	.03596	91.171	6.3660	73.782	131.28	.21426	19.136	.98766	11.324	31.279	7.7344	.09785
#1	.00712	49.772	.00973	.07096	.00017	-.00004	1.0151	.03276	-.00048	.00133	.00043	-.00255	49.383
#2	.00601	49.798	.00210	.06485	.00054	-.00000	1.0182	.02495	-.00047	.00156	.00027	-.00229	49.451
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15961**	**.00130**	**.19684**	**-.00309**	**-.00196**	**250.12**	**.00077**	**.01080**	**.00347**	**5.0924**	**-.00203**	**.00050**	**-.00417**
Stddev	.02993	.00063	.06520	.00003	.00022	.46	.00023	.00435	.00002	.0323	.00036	.00104	.00420
%RSD	18.749	48.586	33.124	1.1151	11.023	.18312	30.204	40.307	.54330	.63435	17.938	206.39	100.77
#1	.18077	.00085	.15073	-.00311	-.00212	249.79	.00094	.01388	.00346	5.1152	-.00177	-.00023	-.00120
#2	.13845	.00175	.24294	-.00306	-.00181	250.44	.00061	.00772	.00348	5.0695	-.00229	.00124	-.00714
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00202**	**4.7123**	**-.02322**	**.00232**	**9.8213**	**.00390**	**-.00133**	**-.03666**
Stddev	.00090	.00040	.0152	.00020	.00018	.0036	.00072	.00031	.00246
%RSD	43.684	19.627	.32176	.88079	7.9066	.03663	18.348	23.196	6.7190
#1	.00270	.00229	4.7230	-.02308	.00219	9.8238	.00441	-.00111	-.03840
#2	.00142	.00174	4.7016	-.02337	.00245	9.8187	.00339	-.00155	-.03492
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4950.2**	**82084.**	**6456.8**
Stddev	4.2	130.	33.3
%RSD	.08463	.15857	.51615
#1	4947.2	81992.	6480.4
#2	4953.1	82176.	6433.2

Sample Name: ccv-2984587 Acquired: 11/17/2014 16:35:48 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49370**	**.50682**	**.97721**	**.54127**	**.50205**	**.48659**	**.00900**	**4.9597**	**.49103**	**.49263**	**.48863**	**.48692**	**2.4942**	**49.097**
Stddev	.00041	.00004	.00623	.00149	.00245	.00277	.00046	.0243	.00307	.00059	.00017	.00050	.0186	.235
%RSD	.08325	.00748	.63782	.27441	.48890	.56990	5.0577	.48948	.62451	.11891	.03524	.10186	.74521	.47904
#1	.49340	.50679	.97280	.54022	.50378	.48856	.00868	4.9769	.48886	.49221	.48851	.48657	2.5073	49.263
#2	.49399	.50684	.98162	.54232	.50031	.48463	.00933	4.9426	.49320	.49304	.48875	.48727	2.4810	48.931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0201**	**19.299**	**.48978**	**.50117**	**5.4756**	**.49227**	**.97550**	**.99732**	**.09265**	**.99970**	**1.0110**	**4.8799**	**.99532**	**.49475**
Stddev	.0034	.006	.00048	.00111	.0124	.00101	.00162	.00197	.01031	.00658	.0132	.0491	.00003	.00249
%RSD	.33289	.02941	.09862	.22198	.22626	.20608	.16658	.19773	11.123	.65858	1.3044	1.0067	.00314	.50403
#1	1.0225	19.295	.48944	.50038	5.4844	.49155	.97436	.99592	.09994	.99505	1.0017	4.9147	.99534	.49651
#2	1.0177	19.303	.49012	.50196	5.4669	.49299	.97665	.99871	.08537	1.0044	1.0203	4.8452	.99530	.49298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02494**	**.49035**	**1.0122**	**.00215**	**.48336**	**.47838**	**.49106**
Stddev	.00163	.00020	.0022	.00349	.00102	.00111	.00295
%RSD	6.5483	.04038	.22078	162.31	.21175	.23208	.60113
#1	.02378	.49021	1.0106	-.00032	.48264	.47760	.49315
#2	.02609	.49049	1.0138	.00462	.48409	.47917	.48897
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5048.3**	**84266.**	**6429.4**
Stddev	42.8	56.	45.2
%RSD	.84775	.06631	.70313
#1	5018.0	84227.	6461.4
#2	5078.5	84306.	6397.5

Sample Name: CCB Acquired: 11/17/2014 16:38:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00098**	**-.00430**	**-.00096**	F **.03179**	**-.00004**	**.00015**	**.00045**	**.00396**	**.00001**	**.00005**	**.00005**	**-.00036**
Stddev	.00025	.00002	.00016	.00124	.00015	.00001	.00274	.00102	.00036	.00004	.00019	.00002
%RSD	25.151	.54469	17.073	3.9123	414.21	7.4241	614.68	25.818	6253.0	96.346	371.48	5.8886
#1	.00080	-.00428	-.00108	.03267	.00007	.00014	-.00149	.00468	-.00025	.00008	-.00008	-.00034
#2	.00115	-.00432	-.00085	.03091	-.00014	.00016	.00239	.00324	.00026	.00001	.00018	-.00037
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.05835**	**.00215**	**.00895**	**-.00002**	**.00019**	F **.26979**	**-.00017**	**.00477**	**.00157**	**.06418**	**-.00065**
Stddev	.00167	.02702	.00022	.00046	.00001	.00008	.00161	.00037	.00185	.00194	.00348	.00141
%RSD	265.60	46.307	10.113	5.1525	46.611	40.790	.59499	219.34	38.677	123.67	5.4173	216.46
#1	-.00055	.03925	.00200	.00928	-.00002	.00014	.26866	.00009	.00608	.00295	.06172	-.00165
#2	.00181	.07746	.00231	.00862	-.00001	.00025	.27093	-.00043	.00347	.00020	.06664	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00206**	**-.00078**	**-.00003**	**.00024**	**.00261**	**.00043**	**.00085**	**.01651**	**-.00020**	**-.00061**	**-.00179**
Stddev	.00102	.01571	.00018	.00004	.00104	.00037	.00044	.00825	.00049	.00003	.00139
%RSD	49.702	2021.1	534.78	18.045	39.843	87.524	52.119	49.990	239.62	4.9655	77.509
#1	-.00278	-.01189	.00009	.00027	.00187	.00069	.00117	.02235	.00014	-.00059	-.00277
#2	-.00134	.01033	-.00016	.00021	.00334	.00016	.00054	.01067	-.00055	-.00063	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5119.4**	**86294.**	**6507.6**
Stddev	5.5	245.	14.7
%RSD	.10659	.28364	.22521
#1	5115.5	86467.	6517.9
#2	5123.3	86120.	6497.2

Sample Name: CCVL2994499 Acquired: 11/17/2014 16:40:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01153**	**.10190**	**.01486**	W **.12490**	**.01013**	**.00108**	**.11521**	**.20802**	**.00520**	**.01038**	**.01016**	**.01503**
Stddev	.00018	.00113	.00014	.00035	.00027	.00006	.00068	.00249	.00003	.00007	.00017	.00002
%RSD	1.5465	1.1133	.94996	.27812	2.6336	5.5881	.58655	1.1972	.64971	.68122	1.7183	.11489
#1	.01165	.10109	.01476	.12514	.00994	.00104	.11569	.20978	.00518	.01043	.01028	.01504
#2	.01140	.10270	.01496	.12465	.01032	.00112	.11474	.20626	.00523	.01033	.01003	.01502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.10000								
Range				20.000%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10377**	**3.1924**	F **.01458**	**.21299**	**.01033**	**.01995**	W **1.2990**	**.04118**	**2.8971**	**.00956**	**.05795**	**.01047**
Stddev	.00148	.0181	.00046	.00106	.00008	.00013	.0043	.00020	.0060	.00079	.00397	.00005
%RSD	1.4254	.56830	3.1859	.49886	.79321	.64620	.33418	.48314	.20686	8.2659	6.8525	.48797
#1	.10481	3.1796	.01425	.21224	.01039	.01986	1.2959	.04132	2.9014	.00900	.06076	.01051
#2	.10272	3.2053	.01491	.21374	.01027	.02005	1.3020	.04104	2.8929	.01012	.05514	.01044
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			30.000%				20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01462**	**.49632**	**.10294**	**.01043**	**.01792**	**.01016**	**.01669**	F **.07808**	**.00973**	**.02043**	**.01359**
Stddev	.00434	.00408	.00040	.00021	.00058	.00039	.00070	.01565	.00002	.00009	.00054
%RSD	29.709	.82189	.38915	1.9749	3.2550	3.8619	4.1874	20.049	.22910	.45468	3.9374
#1	.01155	.49343	.10323	.01028	.01833	.00988	.01718	.08915	.00971	.02036	.01397
#2	.01769	.49920	.10266	.01057	.01750	.01044	.01619	.06701	.00974	.02049	.01322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5125.8**	**85829.**	**6537.9**
Stddev	22.4	6.	.2
%RSD	.43697	.00750	.00246
#1	5110.0	85834.	6537.8
#2	5141.7	85824.	6538.0

Sample Name: MB 280-252262/1-A Acquired: 11/17/2014 16:43:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00253**	**.00289**	F **.01866**	**-.00024**	**-.00006**	**-.00406**	**.00200**	**.00027**
Stddev	.00077	.00041	.00187	.00072	.00014	.00001	.00112	.00041	.00006
%RSD	93.961	16.329	64.719	3.8529	61.590	22.593	27.666	20.436	20.929
#1	.00028	-.00224	.00421	.01917	-.00034	-.00007	-.00327	.00171	.00023
#2	.00136	-.00282	.00156	.01815	-.00013	-.00005	-.00486	.00229	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000					
Low Limit				-.01000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00057**	**.00005**	**.00660**	**.13369**	**.00361**	**.00522**	**.00015**	**.00003**
Stddev	.00005	.00020	.00023	.00151	.07423	.00166	.00312	.00005	.00002
%RSD	43.959	34.667	433.84	22.863	55.526	46.090	59.651	30.452	83.239
#1	-.00015	.00043	.00021	.00767	.08120	.00478	.00302	.00012	.00001
#2	-.00008	.00071	-.00011	.00553	.18618	.00243	.00743	.00018	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19671**	**-.00000**	**.00357**	**-.00022**	**.06071**	**-.00079**	**-.00026**	**.00334**	**.00007**
Stddev	.01596	.00002	.00005	.00044	.00481	.00043	.00282	.01006	.00045
%RSD	8.1131	627.77	1.2827	197.93	7.9201	53.647	1093.4	301.00	617.88
#1	.20799	-.00002	.00354	-.00053	.06411	-.00110	.00173	.01046	-.00025
#2	.18542	.00001	.00360	.00009	.05731	-.00049	-.00225	-.00377	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00338**	**.00047**	**-.00049**	**.00950**	**-.00034**	**.00065**	**-.00167**
Stddev	.00001	.00002	.00059	.00024	.01615	.00035	.00010	.00054
%RSD	6.7377	.53612	126.37	48.228	169.90	102.64	15.366	32.171
#1	.00018	.00339	.00088	-.00066	.02092	-.00009	.00072	-.00205
#2	.00020	.00337	.00005	-.00032	-.00191	-.00059	.00058	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5085.1**	**87037.**	**6539.4**
Stddev	13.6	128.	95.0
%RSD	.26783	.14730	1.4533
#1	5094.8	86947.	6606.6
#2	5075.5	87128.	6472.2

Sample Name: LCS 280-252262/2-A Acquired: 11/17/2014 16:46:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05680**	**2.0394**	**1.0118**	**1.0790**	**2.1109**	**.05136**	F **2.2040**	**51.965**	**.09845**
Stddev	.00015	.0017	.0037	.0046	.0038	.00021	.0102	.029	.00019
%RSD	.26276	.08206	.36375	.42445	.18051	.40005	.46211	.05648	.18886
#1	.05669	2.0406	1.0092	1.0758	2.1082	.05151	2.1968	51.945	.09831
#2	.05691	2.0382	1.0144	1.0823	2.1136	.05122	2.2113	51.986	.09858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							2.2000		
Low Limit							1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50856**	**.20661**	**.25638**	**1.0506**	**52.486**	**1.0781**	**50.406**	**.50837**	F **1.1014**
Stddev	.00016	.00029	.00044	.0052	.035	.0029	.065	.00077	.0006
%RSD	.03145	.13904	.17283	.49687	.06640	.26923	.12971	.15066	.05367
#1	.50867	.20641	.25670	1.0543	52.461	1.0760	50.360	.50783	1.1018
#2	.50844	.20681	.25607	1.0469	52.510	1.0802	50.452	.50891	1.1009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.941**	**.50637**	**10.566**	**.51822**	**2.1365**	**.53864**	**2.1267**	**10.332**	**2.0913**
Stddev	.148	.00002	.028	.00102	.0042	.00076	.0004	.027	.0035
%RSD	.27892	.00383	.26139	.19594	.19429	.14111	.01727	.25999	.16871
#1	53.046	.50635	10.546	.51751	2.1336	.53918	2.1264	10.351	2.0938
#2	52.837	.50638	10.585	.51894	2.1395	.53810	2.1269	10.313	2.0888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**1.0137**	**1.0343**	**2.0444**	**2.0879**	**.51479**	**.49258**	**.51130**
Stddev	.0013	.0000	.0006	.0080	.0061	.00134	.00085	.00215
%RSD	.12910	.00068	.06168	.39172	.29235	.26019	.17322	.42068
#1	1.0400	1.0137	1.0338	2.0387	2.0922	.51384	.49198	.50978
#2	1.0419	1.0137	1.0347	2.0501	2.0836	.51574	.49318	.51282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4880.5**	**81381.**	**6492.7**
Stddev	9.0	660.	29.4
%RSD	.18482	.81046	.45290
#1	4874.2	81848.	6471.9
#2	4886.9	80915.	6513.5

Sample Name: 280-62242-B-5-A Acquired: 11/17/2014 16:51:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00004**	**.00007**	**.01182**	**.00016**	**-.00000**	**-.00079**	**.02016**	**.00004**
Stddev	.00005	.00031	.00037	.00060	.00038	.00012	.00176	.00051	.00010
%RSD	6.5172	841.27	527.80	5.0705	236.94	20345.	223.05	2.5400	242.35
#1	.00077	-.00026	-.00019	.01224	-.00011	.00009	.00046	.02052	.00011
#2	.00070	.00018	.00033	.01139	.00043	-.00009	-.00204	.01979	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00005**	**.00006**	**.01076**	**.07193**	**.00319**	**.00958**	**.00032**	**.00027**
Stddev	.00010	.00060	.00001	.00185	.01866	.00346	.00049	.00004	.00011
%RSD	185.16	1142.1	18.266	17.225	25.947	108.30	5.1396	13.355	41.246
#1	-.00013	-.00037	.00005	.01207	.08512	.00564	.00923	.00029	.00034
#2	.00002	.00048	.00007	.00945	.05873	.00075	.00993	.00035	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24027**	**.00046**	**.00595**	**.00067**	**.05053**	**.00052**	W **-.00580**	**-.00553**	**-.00087**
Stddev	.00349	.00077	.00020	.00188	.00347	.00066	.00069	.01886	.00055
%RSD	1.4539	167.32	3.4358	281.93	6.8595	125.65	11.984	341.14	63.957
#1	.24274	.00100	.00609	.00200	.04808	.00006	-.00629	.00781	-.00126
#2	.23780	-.00008	.00580	-.00066	.05298	.00099	-.00531	-.01887	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00296**	**.00316**	**-.00013**	**.01193**	**-.00039**	**.00232**	**-.00106**
Stddev	.00002	.00084	.00003	.00044	.00989	.00042	.00017	.00106
%RSD	12.445	28.563	1.0428	335.62	82.937	107.89	7.2307	100.27
#1	.00011	.00355	.00313	-.00045	.00493	-.00009	.00244	-.00031
#2	.00013	.00236	.00318	.00018	.01892	-.00068	.00220	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5079.7**	**85652.**	**6487.9**
Stddev	29.6	573.	77.2
%RSD	.58216	.66896	1.1903
#1	5058.8	85247.	6542.5
#2	5100.6	86058.	6433.3

Sample Name: 280-62355-B-1-D Acquired: 11/17/2014 16:55:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00157**	k **27.845**	k **.01278**	**.36794**	k **.28817**	k **-.00018**	kF **-.02673**	**41.166**	k **.00068**
Stddev	.00007	.151	.00031	.00020	.00070	.00005	.00047	.130	.00016
%RSD	4.3868	.54112	2.3951	.05554	.24128	27.434	1.7524	.31545	23.682
#1	k .00152	k 27.952	k .01256	.36780	k .28866	k -.00021	k -.02640	41.257	k .00079
#2	k .00161	k 27.739	k .01300	.36809	k .28768	k -.00015	k -.02706	41.074	k .00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							100.00		
Low Limit							-.02000		

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01591**	k **.09933**	k **.06103**	k **41.832**	**8.7301**	k **.04289**	k **26.151**	**.58069**	**.00827**
Stddev	.00025	.00007	.00072	.021	.0255	.00063	.026	.00007	.00023
%RSD	1.5570	.07290	1.1863	.04978	.29194	1.4693	.10014	.01195	2.7426
#1	k .01573	k .09928	k .06154	k 41.847	8.7121	k .04334	k 26.170	.58074	.00843
#2	k .01608	k .09938	k .06052	k 41.818	8.7481	k .04244	k 26.133	.58064	.00811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.23**	k **.07226**	**2.7655**	k **.60942**	**31.838**	k **.05077**	k **.00091**	**46.220**	k **.00263**
Stddev	.38	.00048	.0002	.00097	.042	.00045	.00395	.231	.00013
%RSD	.37377	.66336	.00650	.15847	.13077	.88722	432.72	.49927	4.9031
#1	101.50	k .07260	2.7656	k .60874	31.867	k .05045	k -.00188	46.383	k .00272
#2	100.96	k .07193	2.7654	k .61011	31.808	k .05109	k .00371	46.057	k .00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30033**	k **.05707**	k **1.3848**	k **-.00182**	k **.01993**	k **.10726**	k **.18367**	k **.05191**
Stddev	.00098	.00042	.0020	.00041	.03456	.00107	.00027	.00093
%RSD	.32553	.73017	.14305	22.467	173.37	.99892	.14630	1.7941
#1	.30102	k .05677	k 1.3862	k -.00210	k -.00450	k .10802	k .18386	k .05257
#2	.29964	k .05736	k 1.3834	k -.00153	k .04437	k .10651	k .18348	k .05125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4991.7**	**81802.**	**6601.6**
Stddev	3.0	171.	.7
%RSD	.06037	.20899	.01120
#1	4989.5	81923.	6602.2
#2	4993.8	81682.	6601.1

Sample Name: 280-62355-B-1-D SD@5 Acquired: 11/17/2014 16:58:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**5.4099**	**.00508**	**.07910**	**.05649**	**.00003**	**.00298**	**8.0496**	**.00011**
Stddev	.00003	.0149	.00148	.00016	.00035	.00005	.00247	.0109	.00009
%RSD	4.2264	.27470	29.025	.20758	.61959	163.27	82.927	.13497	82.867
#1	.00059	5.3994	.00404	.07899	.05674	-.00001	.00472	8.0419	.00004
#2	.00062	5.4204	.00613	.07922	.05624	.00007	.00123	8.0573	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00259**	**.01964**	**.01147**	**8.2448**	**1.7268**	**.00933**	**5.2334**	**.11529**	**.00174**
Stddev	.00026	.00008	.00040	.0123	.0199	.00026	.0044	.00015	.00019
%RSD	9.9131	.40156	3.5127	.14898	1.1497	2.7894	.08349	.13233	11.127
#1	.00241	.01958	.01175	8.2361	1.7127	.00951	5.2365	.11518	.00160
#2	.00277	.01970	.01118	8.2535	1.7408	.00915	5.2303	.11540	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.400**	**.01471**	**.53448**	**.12573**	**6.1169**	**.01022**	**-.00311**	**8.9795**	**.00056**
Stddev	.053	.00017	.00433	.00039	.0124	.00086	.00188	.0220	.00001
%RSD	.26138	1.1467	.81027	.31212	.20202	8.4378	60.356	.24496	1.9038
#1	20.362	.01483	.53142	.12600	6.1256	.00961	-.00178	8.9950	.00057
#2	20.437	.01459	.53755	.12545	6.1082	.01083	-.00443	8.9639	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05872**	**.00726**	**.26782**	**.00158**	**.00546**	**.02098**	**.03595**	**.00816**
Stddev	.00005	.00073	.00041	.00208	.01761	.00037	.00030	.00115
%RSD	.08643	10.060	.15402	131.43	322.68	1.7530	.82911	14.111
#1	.05875	.00674	.26811	.00011	.01791	.02072	.03574	.00898
#2	.05868	.00778	.26753	.00305	-.00700	.02124	.03616	.00735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5033.8**	**83066.**	**6486.7**
Stddev	64.0	1137.	37.4
%RSD	1.2716	1.3687	.57654
#1	5079.1	83870.	6460.2
#2	4988.5	82262.	6513.1

Sample Name: 280-62355-B-1-E MS Acquired: 11/17/2014 17:00:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05775**	**44.983**	**1.0201**	**1.4021**	**2.3911**	**.04936**	**2.1866**	**91.797**	**.09706**
Stddev	.00020	.016	.0052	.0056	.0000	.00009	.0167	.139	.00049
%RSD	.33875	.03590	.50681	.40046	.00003	.18029	.76202	.15167	.50075
#1	.05789	44.995	1.0165	1.3981	2.3911	.04943	2.1748	91.896	.09672
#2	.05761	44.972	1.0238	1.4061	2.3911	.04930	2.1984	91.699	.09740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50011**	**.30277**	**.32040**	**45.554**	**60.523**	**1.0968**	**76.056**	**1.0830**	**1.0663**
Stddev	.00003	.00014	.00217	.124	.012	.0033	.047	.0019	.0008
%RSD	.00698	.04549	.67588	.27118	.01969	.30447	.06190	.18034	.07040
#1	.50013	.30287	.32193	45.467	60.531	1.0945	76.023	1.0816	1.0658
#2	.50008	.30267	.31887	45.641	60.514	1.0992	76.089	1.0844	1.0669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**152.68**	**.56125**	**13.104**	**1.0937**	**34.799**	**.56469**	**2.0825**	W **73.401**	**1.9870**
Stddev	.34	.00104	.050	.0033	.208	.00060	.0006	.177	.0005
%RSD	.22397	.18588	.38409	.30527	.59636	.10635	.02730	.24144	.02326
#1	152.92	.56051	13.069	1.0914	34.652	.56426	2.0829	73.526	1.9873
#2	152.44	.56199	13.140	1.0961	34.946	.56511	2.0821	73.275	1.9867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								50.000	
Low Limit								-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3238**	**1.0199**	**2.6846**	**1.9197**	**2.0782**	**.62822**	**.66789**	**.57187**
Stddev	.0008	.0004	.0006	.0030	.0198	.00122	.00469	.00200
%RSD	.05685	.04075	.02216	.15531	.95209	.19426	.70155	.35031
#1	1.3232	1.0196	2.6850	1.9176	2.0922	.62908	.66457	.57045
#2	1.3243	1.0202	2.6842	1.9218	2.0642	.62735	.67120	.57328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4974.3**	**80999.**	**6546.0**
Stddev	9.4	680.	47.4
%RSD	.18852	.83933	.72365
#1	4967.6	81479.	6512.5
#2	4980.9	80518.	6579.5

Sample Name: 280-62355-B-1-F MSD Acquired: 11/17/2014 17:03:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05696**	**44.215**	**1.0036**	**1.3924**	**2.3640**	**.04896**	**2.1449**	**91.674**	**.09534**
Stddev	.00012	.159	.0015	.0036	.0025	.00007	.0029	.109	.00040
%RSD	.20717	.35862	.15466	.26158	.10712	.14114	.13753	.11932	.41883
#1	.05704	44.103	1.0047	1.3950	2.3622	.04891	2.1470	91.597	.09562
#2	.05687	44.327	1.0025	1.3898	2.3658	.04901	2.1428	91.751	.09506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49649**	**.29976**	**.31504**	**45.438**	**60.352**	**1.0864**	**75.673**	**1.0797**	**1.0643**
Stddev	.00014	.00048	.00040	.131	.072	.0019	.047	.0014	.0007
%RSD	.02862	.15917	.12842	.28866	.11886	.17985	.06264	.13471	.06719
#1	.49659	.30010	.31476	45.345	60.301	1.0850	75.707	1.0808	1.0648
#2	.49639	.29943	.31533	45.530	60.403	1.0878	75.640	1.0787	1.0638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.20**	**.55669**	**12.889**	**1.0898**	**34.414**	**.55360**	**2.0503**	W **62.058**	**1.9781**
Stddev	.00	.00015	.026	.0015	.078	.00108	.0001	.063	.0000
%RSD	.00024	.02668	.20012	.13729	.22554	.19437	.00310	.10135	.00091
#1	153.20	.55658	12.907	1.0909	34.469	.55284	2.0502	62.102	1.9781
#2	153.20	.55679	12.871	1.0888	34.359	.55436	2.0503	62.013	1.9780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								50.000	
Low Limit								-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3114**	**1.0085**	**2.6534**	**1.8979**	**2.0456**	**.62374**	**.66835**	**.56512**
Stddev	.0003	.0034	.0003	.0014	.0320	.00032	.00043	.00274
%RSD	.02480	.33803	.01287	.07614	1.5647	.05148	.06467	.48498
#1	1.3112	1.0061	2.6532	1.8969	2.0682	.62397	.66866	.56318
#2	1.3117	1.0110	2.6537	1.8989	2.0230	.62351	.66805	.56706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4903.8**	**80778.**	**6507.9**
Stddev	.0	44.	18.2
%RSD	.00027	.05485	.27963
#1	4903.8	80747.	6495.1
#2	4903.8	80809.	6520.8

Sample Name: 280-62355-B-1-D PDS Acquired: 11/17/2014 17:05:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252262 6010B dupont *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04411**	k **28.435**	k **.20590**	**.45837**	k **.38125**	k **.04757**	kF **-.02835**	**59.783**	k **.04851**
Stddev	.00000	.027	.00128	.00115	.00083	.00022	.00215	.070	.00031
%RSD	.00266	.09624	.62089	.25174	.21721	.46331	7.5969	.11708	.64731
#1	k .04411	k 28.454	k .20500	.45919	k .38067	k .04742	k -.02988	59.734	k .04873
#2	k .04410	k 28.415	k .20681	.45756	k .38184	k .04773	k -.02683	59.833	k .04829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							100.00		
Low Limit							-.02000		

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.06244**	k **.14326**	k **.10954**	k **42.186**	**27.999**	k **.13717**	k **44.280**	k **.61426**	**.05782**
Stddev	.00036	.00005	.00034	.134	.082	.00145	.005	.00044	.00049
%RSD	.57972	.03522	.31232	.31679	.29231	1.0546	.01227	.07196	.84877
#1	k .06269	k .14322	k .10929	k 42.092	28.057	k .13820	k 44.276	k .61395	.05747
#2	k .06218	k .14329	k .10978	k 42.281	27.941	k .13615	k 44.284	k .61457	.05817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.90**	k **.11665**	**4.6349**	k **.68655**	**31.341**	k **.14742**	k **.19651**	W **50.669**	k **.09964**
Stddev	.17	.00030	.0094	.00098	.032	.00229	.00158	.033	.00203
%RSD	.14485	.25442	.20261	.14309	.10144	1.5511	.80325	.06465	2.0333
#1	119.77	k .11644	4.6282	k .68724	31.363	k .14580	k .19763	50.692	k .10108
#2	120.02	k .11686	4.6415	k .68585	31.318	k .14904	k .19539	50.646	k .09821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								50.000	
Low Limit								-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34202**	k **.25375**	k **1.4114**	k **.18588**	k **.50209**	k **.15387**	k **.36709**	k **.10424**
Stddev	.00107	.00012	.0004	.00006	.02296	.00036	.00083	.00094
%RSD	.31321	.04581	.02900	.03414	4.5738	.23559	.22636	.90274
#1	.34127	k .25384	k 1.4111	k .18583	k .51833	k .15362	k .36768	k .10357
#2	.34278	k .25367	k 1.4117	k .18592	k .48585	k .15413	k .36651	k .10490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4997.3**	**82566.**	**6554.1**
Stddev	3.1	50.	72.6
%RSD	.06291	.06004	1.1082
#1	4999.5	82531.	6502.7
#2	4995.1	82602.	6605.5

Sample Name: ccvh-2982968 Acquired: 11/17/2014 17:08:07 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00653**	**50.835**	**-.00168**	**.01116**	**.00047**	**-.00001**	**1.0233**	**-.02088**	**-.00044**	**.00164**	**.00021**	**-.00327**	**50.484**
Stddev	.00061	.099	.00432	.00046	.00005	.00006	.0015	.00311	.00003	.00035	.00001	.00005	.035
%RSD	9.3733	.19548	257.31	4.1465	10.480	934.95	.14370	14.919	6.7959	21.557	6.1068	1.4223	.07013
#1	.00610	50.905	.00138	.01149	.00044	.00004	1.0222	-.01867	-.00042	.00139	.00022	-.00323	50.459
#2	.00696	50.765	-.00473	.01083	.00051	-.00005	1.0243	-.02308	-.00046	.00189	.00020	-.00330	50.509
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13612**	**.00263**	**.14209**	**-.00298**	**-.00194**	**254.12**	**.00097**	**.00317**	**.00200**	**5.0387**	**-.00172**	**-.00336**	**.03113**
Stddev	.02378	.00203	.00102	.00008	.00003	1.04	.00003	.00112	.00172	.0125	.00195	.00450	.01599
%RSD	17.473	77.309	.71583	2.5736	1.3139	.41116	2.8448	35.500	86.205	.24889	113.71	134.01	51.358
#1	.15294	.00119	.14138	-.00293	-.00192	254.86	.00095	.00237	.00078	5.0298	-.00310	-.00655	.04244
#2	.11930	.00406	.14281	-.00304	-.00196	253.38	.00099	.00396	.00321	5.0475	-.00034	-.00018	.01983
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	**.00038**	**4.7666**	**-.02220**	**.00247**	**9.9041**	**.00367**	**-.00022**	**-.03651**
Stddev	.00083	.00002	.0021	.00016	.00008	.0276	.00049	.00006	.00158
%RSD	27.071	5.2734	.04299	.71912	3.1385	.27891	13.374	28.390	4.3376
#1	.00249	.00039	4.7651	-.02209	.00252	9.9236	.00401	-.00026	-.03539
#2	.00367	.00036	4.7680	-.02232	.00241	9.8845	.00332	-.00017	-.03763
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4855.7**	**80741.**	**6285.8**
Stddev	7.6	494.	45.3
%RSD	.15550	.61190	.72030
#1	4850.4	81090.	6253.8
#2	4861.1	80391.	6317.8

Sample Name: ccv-2984587 Acquired: 11/17/2014 17:10:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50117**	**.52088**	**.98551**	**.50991**	**.50495**	**.49237**	**.01251**	**5.0069**	**.49565**	**.50006**	**.49442**	**.49057**	**2.5349**	**49.681**
Stddev	.00190	.00385	.00106	.00038	.00042	.00092	.00325	.0015	.00065	.00098	.00042	.00297	.0107	.065
%RSD	.37962	.73946	.10777	.07462	.08339	.18658	25.959	.03090	.13053	.19548	.08446	.60519	.42159	.13085
#1	.50251	.52361	.98626	.50964	.50525	.49302	.01481	5.0080	.49611	.50075	.49472	.49267	2.5425	49.726
#2	.49982	.51816	.98476	.51018	.50466	.49172	.01022	5.0058	.49520	.49937	.49413	.48847	2.5274	49.635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0203**	**19.597**	**.49761**	**.50921**	**5.3906**	**.49888**	**.97937**	**1.0098**	**.03511**	**1.0033**	**1.0180**	**4.9870**	**1.0132**	**.49514**
Stddev	.0034	.015	.00048	.00042	.0076	.00099	.00317	.0016	.00186	.0014	.0019	.0206	.0015	.00045
%RSD	.33253	.07668	.09622	.08272	.14134	.19894	.32414	.16106	5.3104	.14148	.18932	.41293	.15312	.09004
#1	1.0227	19.608	.49795	.50951	5.3960	.49958	.98161	1.0086	.03643	1.0043	1.0194	4.9724	1.0143	.49546
#2	1.0179	19.587	.49727	.50891	5.3852	.49818	.97712	1.0109	.03380	1.0023	1.0167	5.0016	1.0121	.49483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02594**	**.49820**	**1.0219**	**.00980**	**.49320**	**.48883**	**.49291**
Stddev	.00253	.00005	.0031	.01512	.00260	.00095	.00333
%RSD	9.7547	.00981	.30154	154.38	.52660	.19484	.67479
#1	.02773	.49816	1.0241	-.00090	.49504	.48951	.49526
#2	.02415	.49823	1.0198	.02049	.49136	.48816	.49055
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4954.6**	**82348.**	**6236.1**
Stddev	18.9	395.	2.5
%RSD	.38072	.48017	.04073
#1	4941.3	82627.	6237.9
#2	4968.0	82068.	6234.3

Sample Name: CCB Acquired: 11/17/2014 17:13:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00470**	**.00160**	F **.00725**	**.00033**	**.00017**	**-.00169**	**-.00355**	**.00028**	**.00033**	**.00018**	**-.00008**
Stddev	.00007	.00104	.00164	.00066	.00002	.00002	.00011	.00187	.00020	.00002	.00002	.00061
%RSD	12.498	22.057	102.64	9.1524	5.0317	10.541	6.2623	52.711	73.870	5.3286	11.297	721.36
#1	.00064	-.00397	.00044	.00772	.00032	.00015	-.00176	-.00487	.00013	.00032	.00016	.00035
#2	.00053	-.00543	.00276	.00678	.00035	.00018	-.00161	-.00223	.00042	.00034	.00019	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00711**	**.06063**	**.00050**	**.00737**	**.00008**	**.00033**	W **.14627**	**-.00056**	**.00280**	**.00112**	**.03331**	**-.00007**
Stddev	.00154	.04241	.00134	.00005	.00001	.00001	.00876	.00007	.00175	.00012	.00376	.00031
%RSD	21.633	69.949	269.61	.62198	16.280	4.2571	5.9900	12.954	62.275	10.483	11.289	418.03
#1	.00820	.09062	.00145	.00734	.00007	.00034	.15247	-.00051	.00404	.00121	.03597	-.00029
#2	.00602	.03064	-.00045	.00740	.00009	.00032	.14008	-.00062	.00157	.00104	.03065	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00328**	**.00018**	**-.00002**	**.00009**	**.00288**	**.00054**	**.00046**	**-.00144**	**-.00023**	**-.00086**	**-.00068**
Stddev	.00053	.00781	.00039	.00007	.00016	.00019	.00206	.03127	.00010	.00023	.00055
%RSD	16.188	4310.9	1656.4	75.888	5.6784	35.781	447.84	2167.3	41.079	26.588	81.126
#1	.00290	-.00534	.00025	.00004	.00277	.00068	.00192	.02067	-.00030	-.00070	-.00107
#2	.00365	.00570	-.00030	.00014	.00300	.00040	-.00100	-.02355	-.00016	-.00102	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5042.3**	**84298.**	**6211.1**
Stddev	4.4	996.	150.1
%RSD	.08680	1.1817	2.4160
#1	5045.4	85003.	6105.0
#2	5039.2	83594.	6317.2

Sample Name: CCVL2994499 Acquired: 11/17/2014 17:15:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01130**	**.10176**	**.01607**	**.10678**	**.01060**	**.00105**	**.11187**	**.20915**	**.00501**	**.01042**	**.01012**	**.01536**
Stddev	.00019	.00034	.00114	.00035	.00023	.00002	.00256	.00014	.00002	.00001	.00004	.00029
%RSD	1.7174	.33166	7.0895	.33172	2.1850	1.7351	2.2874	.06480	.38715	.09239	.36143	1.9180
#1	.01116	.10200	.01527	.10653	.01043	.00104	.11006	.20905	.00503	.01041	.01014	.01557
#2	.01143	.10152	.01688	.10703	.01076	.00106	.11368	.20925	.00500	.01043	.01009	.01515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11329**	**3.1566**	**.01117**	**.21296**	**.01056**	**.02037**	W **1.2154**	**.04106**	**2.8687**	W **.01086**	**.02996**	W **.00749**
Stddev	.00268	.0123	.00154	.00015	.00009	.00030	.0197	.00021	.0012	.00076	.00625	.00177
%RSD	2.3686	.39080	13.754	.07093	.81775	1.4612	1.6173	.50048	.04126	6.9676	20.873	23.635
#1	.11519	3.1478	.01226	.21307	.01062	.02058	1.2293	.04092	2.8695	.01139	.02554	.00624
#2	.11139	3.1653	.01009	.21285	.01050	.02016	1.2015	.04121	2.8678	.01032	.03438	.00875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Warn
Value							1.0000			.00900		.01000
Range							20.000%			20.000%		-20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01177**	**.50298**	**.10353**	**.01036**	**.01720**	**.01046**	**.01662**	**.06422**	**.00994**	**.02030**	**.01516**
Stddev	.00613	.00365	.00068	.00008	.00162	.00021	.00145	.04721	.00048	.00061	.00056
%RSD	52.101	.72551	.65690	.81760	9.4289	1.9794	8.7032	73.513	4.8009	3.0222	3.7198
#1	.00743	.50040	.10401	.01042	.01605	.01061	.01764	.09760	.01028	.02073	.01476
#2	.01611	.50556	.10305	.01030	.01834	.01031	.01559	.03084	.00960	.01986	.01556
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	-20.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4989.7**	**84201.**	**6341.5**
Stddev	43.1	864.	55.2
%RSD	.86325	1.0265	.87068
#1	4959.2	84812.	6302.4
#2	5020.1	83590.	6380.5

Sample Name: MB 280-252367/1-B Acquired: 11/17/2014 17:18:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/12 Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00291**	**-.00007**	**.00481**	**.00057**	**-.00001**	**-.00094**	**-.00069**	**.00013**
Stddev	.00001	.00028	.00381	.00014	.00032	.00001	.00033	.00196	.00009
%RSD	1.6466	9.4617	5140.5	2.8761	55.294	113.72	35.218	283.96	69.570
#1	.00082	-.00271	.00262	.00471	.00080	-.00000	-.00071	.00070	.00007
#2	.00081	-.00310	-.00277	.00491	.00035	-.00002	-.00118	-.00208	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00013**	**-.00020**	**.00410**	**.05076**	**.00049**	**.00337**	**.00013**	**.00020**
Stddev	.00034	.00010	.00007	.00184	.04580	.00032	.00253	.00003	.00013
%RSD	165.80	75.946	37.536	44.858	90.228	65.891	75.177	19.489	63.677
#1	.00045	-.00021	-.00025	.00541	.01838	.00026	.00516	.00011	.00011
#2	-.00004	-.00006	-.00014	.00280	.08315	.00072	.00158	.00015	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10968**	**-.00060**	**.00281**	**.00116**	**.02915**	**-.00043**	**-.00292**	**.00376**	**.00121**
Stddev	.00389	.00022	.00157	.00066	.00328	.00263	.00255	.00600	.00031
%RSD	3.5427	36.978	55.753	56.811	11.258	610.09	87.481	159.47	25.762
#1	.10693	-.00044	.00392	.00069	.03147	.00143	-.00472	.00801	.00099
#2	.11242	-.00076	.00170	.00162	.02683	-.00229	-.00111	-.00048	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.00319**	**.00038**	**.00087**	**.01893**	**-.00032**	**.00018**	**-.00006**
Stddev	.00003	.00028	.00009	.00055	.01582	.00008	.00058	.00221
%RSD	2603.4	8.8269	23.085	63.471	83.568	23.607	323.80	3559.8
#1	-.00002	.00299	.00044	.00048	.00774	-.00037	-.00023	-.00162
#2	.00002	.00339	.00032	.00126	.03011	-.00027	.00059	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5057.1**	**84708.**	**6246.0**
Stddev	13.1	46.	154.1
%RSD	.25976	.05431	2.4672
#1	5047.8	84675.	6137.1
#2	5066.4	84740.	6355.0

Sample Name: LCS 280-252367/2-B Acquired: 11/17/2014 17:21:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05685**	**2.0081**	**.99638**	**1.0496**	**2.0609**	**.05029**	**2.1692**	**51.127**	**.09597**
Stddev	.00019	.0012	.00059	.0046	.0010	.00021	.0001	.020	.00023
%RSD	.33822	.06059	.05968	.44162	.04804	.42297	.00250	.03889	.24210
#1	.05699	2.0090	.99680	1.0463	2.0616	.05014	2.1692	51.141	.09581
#2	.05672	2.0073	.99596	1.0529	2.0602	.05044	2.1693	51.113	.09614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49804**	**.20037**	**.25007**	**1.0306**	**51.342**	**1.0414**	**49.726**	**.50009**	**1.0835**
Stddev	.00029	.00007	.00216	.0006	.038	.0007	.002	.00067	.0016
%RSD	.05763	.03495	.86568	.05547	.07349	.06893	.00443	.13369	.14929
#1	.49824	.20042	.25160	1.0302	51.369	1.0419	49.728	.49962	1.0823
#2	.49784	.20032	.24854	1.0310	51.315	1.0409	49.725	.50057	1.0846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.465**	**.49358**	**10.311**	**.51014**	**2.0895**	**.52700**	**2.0931**	**10.212**	**2.0652**
Stddev	.294	.00071	.027	.00220	.0029	.00545	.0031	.038	.0017
%RSD	.56094	.14481	.26425	.43139	.14026	1.0333	.14819	.36929	.08127
#1	52.257	.49307	10.292	.51170	2.0916	.52315	2.0953	10.185	2.0664
#2	52.673	.49408	10.331	.50859	2.0875	.53086	2.0909	10.239	2.0640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0106**	**.98969**	**1.0120**	**2.0151**	**2.0743**	**.50804**	**.49581**	**.49930**
Stddev	.0006	.00211	.0003	.0004	.0169	.00099	.00535	.00013
%RSD	.06454	.21313	.02646	.02256	.81234	.19422	1.0792	.02649
#1	1.0110	.99118	1.0122	2.0148	2.0862	.50735	.49203	.49939
#2	1.0101	.98820	1.0118	2.0155	2.0623	.50874	.49960	.49921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4837.5**	**80793.**	**6256.5**
Stddev	10.6	871.	2.8
%RSD	.21911	1.0786	.04522
#1	4830.0	81409.	6258.5
#2	4845.0	80176.	6254.5

Sample Name: 280-62261-B-1-D Acquired: 11/17/2014 17:23:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.01156**	**-.00390**	**.04672**	**.04357**	**.00001**	**-.00608**	W **808.38**	**.00130**
Stddev	.00066	.00095	.00893	.00037	.00026	.00004	.00000	1.12	.00003
%RSD	186.43	8.2248	228.88	.78144	.59939	582.19	.03192	.13916	2.6455
#1	-.00011	.01224	.00241	.04698	.04375	-.00002	-.00608	807.59	.00133
#2	.00082	.01089	-.01022	.04646	.04338	.00003	-.00608	809.18	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01423**	**.00012**	**.00211**	**.01660**	**7.3485**	**.14916**	**141.40**	**.77870**	**.00042**
Stddev	.00035	.00012	.00020	.00370	.0211	.00127	.29	.00178	.00027
%RSD	2.4642	102.12	9.7037	22.264	.28751	.85046	.20331	.22822	63.436
#1	.01448	.00020	.00225	.01399	7.3634	.15006	141.20	.77745	.00061
#2	.01398	.00003	.00196	.01921	7.3335	.14827	141.60	.77996	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.722**	**.00523**	**-.00212**	**-.00152**	**862.44**	**.00121**	**.00511**	**.25644**	**-.00158**
Stddev	.152	.00004	.00102	.00109	1.57	.00051	.00387	.03700	.00007
%RSD	.77049	.74336	47.952	72.128	.18243	42.334	75.806	14.427	4.5796
#1	19.829	.00526	-.00140	-.00229	861.33	.00158	.00237	.28260	-.00163
#2	19.615	.00520	-.00284	-.00074	863.55	.00085	.00785	.23028	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69648**	**.00208**	**.00070**	**.00349**	**.06514**	**.00145**	**.00493**	**-.00105**
Stddev	.00018	.00311	.00044	.00000	.02107	.00050	.00003	.00185
%RSD	.02629	149.42	63.438	.03162	32.353	34.776	.55780	176.13
#1	.69661	.00427	.00101	.00349	.05024	.00180	.00491	-.00235
#2	.69635	-.00012	.00039	.00349	.08004	.00109	.00495	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4472.5**	**75678.**	**6014.7**
Stddev	24.3	367.	43.9
%RSD	.54398	.48543	.73034
#1	4455.3	75419.	6045.8
#2	4489.7	75938.	5983.7

Sample Name: 280-62261-B-1-D SD@5 Acquired: 11/17/2014 17:26:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.00512**	**-.00114**	**.01270**	**.00872**	**.00002**	**-.00165**	**163.36**	**.00036**
Stddev	.00082	.00136	.00383	.00004	.00018	.00001	.00235	.79	.00002
%RSD	89.286	26.487	335.94	.34347	2.1039	66.256	142.74	.48565	5.7581
#1	.00150	-.00608	-.00385	.01273	.00859	.00001	-.00331	162.79	.00035
#2	.00034	-.00416	.00157	.01267	.00885	.00002	.00002	163.92	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**-.00001**	**.00020**	**.01522**	**1.4565**	**.03074**	**28.504**	**.15749**	**.00014**
Stddev	.00031	.00006	.00002	.00088	.0297	.00093	.022	.00027	.00006
%RSD	11.350	496.51	7.5534	5.7840	2.0410	3.0234	.07693	.16890	42.686
#1	.00296	-.00005	.00021	.01584	1.4775	.03008	28.519	.15730	.00010
#2	.00252	.00003	.00019	.01460	1.4355	.03140	28.488	.15767	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9288**	**.00109**	**.00051**	**-.00099**	**169.96**	**-.00101**	**.00021**	**.08227**	**-.00220**
Stddev	.0320	.00027	.00420	.00103	.17	.00141	.00304	.00878	.00188
%RSD	.81499	25.183	816.49	104.22	.10056	140.18	1476.2	10.676	85.432
#1	3.9062	.00128	.00348	-.00026	169.83	-.00201	-.00194	.08848	-.00353
#2	3.9515	.00089	-.00245	-.00172	170.08	-.00001	.00235	.07606	-.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13781**	**.00298**	**.00059**	**.00400**	**.01225**	**.00034**	**.00107**	**-.00318**
Stddev	.00035	.00033	.00006	.00050	.00537	.00064	.00021	.00118
%RSD	.25262	11.116	9.9534	12.561	43.841	189.13	19.446	36.954
#1	.13756	.00322	.00055	.00435	.00845	-.00011	.00092	-.00235
#2	.13805	.00275	.00064	.00364	.01605	.00079	.00122	-.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4825.0**	**80589.**	**6170.7**
Stddev	17.5	238.	110.2
%RSD	.36190	.29488	1.7861
#1	4812.6	80421.	6248.6
#2	4837.3	80757.	6092.7

Sample Name: 280-62261-B-1-E MS Acquired: 11/17/2014 17:29:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05877**	**1.9131**	**1.0515**	**1.0721**	**2.1520**	**.04947**	**2.1953**	W **851.05**	**.09914**
Stddev	.00039	.0019	.0017	.0014	.0004	.00002	.0029	23.76	.00016
%RSD	.66215	.10014	.15812	.12731	.02095	.04597	.13383	2.7923	.16139
#1	.05904	1.9145	1.0526	1.0712	2.1523	.04946	2.1932	867.86	.09926
#2	.05849	1.9118	1.0503	1.0731	2.1516	.04949	2.1973	834.25	.09903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50049**	**.19925**	**.25941**	**1.0165**	**61.186**	**1.2484**	**189.14**	**1.2664**	**1.0886**
Stddev	.00044	.00081	.00061	.0060	.044	.0037	.74	.0053	.0014
%RSD	.08711	.40450	.23494	.59014	.07193	.29882	.39252	.41908	.12591
#1	.50080	.19868	.25898	1.0208	61.217	1.2511	189.66	1.2702	1.0895
#2	.50018	.19981	.25984	1.0123	61.155	1.2458	188.61	1.2627	1.0876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**73.570**	**.48500**	**10.848**	**.48464**	**870.21**	**.54181**	**2.2286**	**10.693**	**2.0108**
Stddev	.494	.00037	.005	.00272	.21	.00080	.0092	.031	.0029
%RSD	.67188	.07551	.04810	.56027	.02445	.14686	.41292	.28807	.14234
#1	73.220	.48525	10.851	.48272	870.36	.54124	2.2221	10.715	2.0128
#2	73.919	.48474	10.844	.48656	870.05	.54237	2.2352	10.671	2.0088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7263**	**.98838**	**1.0112**	**1.8371**	**2.1128**	**.50898**	**.46706**	**.49619**
Stddev	.0019	.00331	.0039	.0029	.0057	.00275	.00463	.00054
%RSD	.11012	.33518	.38400	.15791	.27085	.54080	.99066	.10807
#1	1.7276	.99072	1.0140	1.8351	2.1087	.51093	.47034	.49581
#2	1.7249	.98604	1.0085	1.8392	2.1168	.50704	.46379	.49657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4428.6**	**76411.**	**6146.9**
Stddev	.1	757.	88.6
%RSD	.00117	.99098	1.4407
#1	4428.5	75876.	6084.3
#2	4428.6	76947.	6209.6

Sample Name: 280-62261-B-1-F MSD Acquired: 11/17/2014 17:32:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05766**	**1.9125**	**1.0420**	**1.0654**	**2.1258**	**.04897**	**2.1814**	W **813.59**	**.09838**
Stddev	.00010	.0006	.0078	.0007	.0065	.00047	.0026	21.86	.00006
%RSD	.16880	.03102	.74936	.06698	.30689	.95017	.11742	2.6862	.05604
#1	.05759	1.9121	1.0475	1.0649	2.1212	.04864	2.1832	829.05	.09842
#2	.05773	1.9129	1.0364	1.0659	2.1304	.04930	2.1796	798.14	.09835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49889**	**.19838**	**.25589**	**1.0096**	**60.822**	**1.2296**	**186.98**	**1.2547**	**1.0820**
Stddev	.00028	.00008	.00080	.0034	.201	.0051	.63	.0031	.0013
%RSD	.05625	.03978	.31425	.33397	.33108	.41553	.33741	.24750	.11809
#1	.49909	.19833	.25532	1.0072	60.679	1.2260	187.43	1.2569	1.0811
#2	.49869	.19844	.25645	1.0120	60.964	1.2332	186.53	1.2525	1.0829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**73.030**	**.48353**	**10.796**	**.48171**	**851.25**	**.53881**	**2.2022**	**10.630**	**2.0040**
Stddev	.079	.00028	.030	.00101	.69	.00048	.0065	.086	.0012
%RSD	.10819	.05866	.28067	.20973	.08057	.08964	.29364	.80894	.05744
#1	73.086	.48373	10.774	.48100	850.76	.53915	2.1976	10.569	2.0032
#2	72.974	.48333	10.817	.48243	851.73	.53847	2.2068	10.690	2.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6955**	**.98816**	**1.0067**	**1.8320**	**2.0802**	**.50870**	**.47126**	**.49274**
Stddev	.0056	.00648	.0012	.0024	.0380	.00024	.00302	.00203
%RSD	.32801	.65533	.11752	.13247	1.8250	.04644	.64006	.41270
#1	1.6916	.99274	1.0075	1.8337	2.1071	.50887	.47339	.49130
#2	1.6994	.98359	1.0058	1.8302	2.0534	.50853	.46913	.49418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4411.3**	**74928.**	**6098.2**
Stddev	.2	1106.	22.8
%RSD	.00418	1.4757	.37378
#1	4411.2	74146.	6114.3
#2	4411.4	75710.	6082.1

Sample Name: 280-62261-B-1-D PDS Acquired: 11/17/2014 17:35:00 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04361**	**.96192**	**.20511**	**.14601**	**.14606**	**.04791**	**-.00559**	W **805.79**	**.05141**
Stddev	.00019	.00129	.00934	.00093	.00083	.00020	.00204	9.29	.00038
%RSD	.44238	.13430	4.5553	.63426	.57076	.41976	36.524	1.1528	.74392
#1	.04348	.96284	.21171	.14666	.14665	.04805	-.00415	799.22	.05114
#2	.04375	.96101	.19850	.14535	.14547	.04777	-.00704	812.36	.05168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06190**	**.04823**	**.05293**	**1.0005**	**28.328**	**.25249**	**156.99**	**.80699**	**.05133**
Stddev	.00020	.00043	.00023	.0011	.034	.00057	.13	.00031	.00050
%RSD	.31828	.88941	.42669	.10978	.11916	.22663	.08015	.03809	.97800
#1	.06204	.04853	.05277	1.0013	28.352	.25208	157.08	.80721	.05168
#2	.06176	.04792	.05309	.99970	28.304	.25289	156.90	.80678	.05097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.463**	**.05256**	**2.0981**	**.09526**	**843.63**	**.10595**	**.22597**	**5.3324**	**.09770**
Stddev	.069	.00042	.0019	.00150	2.09	.00327	.00027	.0013	.00191
%RSD	.17105	.80020	.08933	1.5739	.24718	3.0847	.11799	.02359	1.9540
#1	40.512	.05286	2.0994	.09632	845.10	.10826	.22615	5.3333	.09905
#2	40.414	.05227	2.0968	.09420	842.16	.10364	.22578	5.3316	.09635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73184**	**.19204**	**.04990**	**.18748**	**.54496**	**.05098**	**.19117**	**.04920**
Stddev	.00308	.00096	.00013	.00297	.02485	.00068	.00083	.00107
%RSD	.42131	.50115	.26767	1.5866	4.5606	1.3365	.43371	2.1839
#1	.73402	.19272	.04981	.18958	.56254	.05146	.19059	.04844
#2	.72966	.19136	.05000	.18538	.52739	.05050	.19176	.04996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4468.8**	**76267.**	**6109.3**
Stddev	4.0	342.	68.2
%RSD	.08965	.44819	1.1171
#1	4471.7	76026.	6061.0
#2	4466.0	76509.	6157.5

Sample Name: 280-62261-B-2-B Acquired: 11/17/2014 17:37:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00519**	**174.89**	**.02719**	**.03216**	**.00699**	**.01506**	**.08105**	**252.20**	**.09776**
Stddev	.00041	.37	.00233	.00043	.00014	.00005	.00174	1.68	.00018
%RSD	7.9515	.20942	8.5836	1.3481	1.9945	.32653	2.1434	.66650	.18007
#1	.00490	175.14	.02884	.03185	.00709	.01510	.08228	251.01	.09764
#2	.00548	174.63	.02554	.03247	.00690	.01503	.07982	253.39	.09789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1109**	**.01539**	W **48.591**	W **1421.0**	**1.5118**	**.18691**	**238.07**	F **21.808**	W **-.01254**
Stddev	.0022	.00021	.933	3.7	.0278	.00024	1.57	.123	.00028
%RSD	.07092	1.3543	1.9203	.25798	1.8419	.12875	.65988	.56521	2.2380
#1	3.1093	.01554	47.931	1423.6	1.5314	.18708	236.96	21.895	-.01234
#2	3.1124	.01524	49.251	1418.4	1.4921	.18674	239.18	21.721	-.01274
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn
High Limit			10.000	500.00				20.000	2.0000
Low Limit			-.01000	40.000				-.02000	-.01000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.436**	**.81750**	**-.00181**	**-.00186**	**1434.3**	**.00017**	**.02361**	**25.184**	**.00703**
Stddev	.012	.00096	.00077	.00023	1.1	.00087	.00611	.044	.00042
%RSD	.07620	.11690	42.409	12.452	.07543	496.73	25.868	.17480	5.9938
#1	15.427	.81817	-.00235	-.00202	1435.1	.00079	.02792	25.216	.00733
#2	15.444	.81682	-.00127	-.00169	1433.6	-.00044	.01929	25.153	.00673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47119**	F **-.24268**	**.00384**	**.03346**	**.93326**	**.03664**	W **14.407**	**.01652**
Stddev	.00164	.00448	.00010	.00303	.00030	.00087	.019	.00081
%RSD	.34884	1.8454	2.6574	9.0660	.03252	2.3724	.13232	4.9133
#1	.47235	-.24585	.00392	.03560	.93348	.03725	14.394	.01595
#2	.47003	-.23951	.00377	.03131	.93305	.03603	14.421	.01709
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		50.000					10.000	
Low Limit		-.02000					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6715.9**	**115580.**	**9637.8**
Stddev	16.7	152.	57.8
%RSD	.24911	.13111	.59945
#1	6704.0	115680.	9597.0
#2	6727.7	115470.	9678.7

Sample Name: ccvh-2982968 Acquired: 11/17/2014 17:40:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**50.716**	**-.00320**	**.00604**	**.00064**	**-.00002**	**1.0132**	**.14430**	**-.00015**	**.00183**	**.00029**	**.00684**	**50.573**
Stddev	.00014	.034	.00248	.00011	.00017	.00006	.0039	.01242	.00022	.00020	.00039	.00110	.097
%RSD	2.0850	.06783	77.482	1.8998	26.769	420.56	.38160	8.6080	148.22	11.139	132.56	16.151	.19091
#1	.00677	50.691	-.00495	.00613	.00052	-.00006	1.0105	.15308	-.00030	.00198	.00002	.00762	50.505
#2	.00697	50.740	-.00145	.00596	.00076	.00003	1.0159	.13552	.00001	.00169	.00057	.00606	50.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05314**	**.00421**	**.19614**	**.00226**	**-.00203**	**253.17**	**.00109**	**.00141**	**.00333**	**5.3693**	**-.00260**	**-.00354**	**.00104**
Stddev	.03641	.00032	.00951	.00075	.00000	.16	.00008	.00152	.00134	.0601	.00232	.00398	.00755
%RSD	68.523	7.6308	4.8504	33.082	.12119	.06446	7.2257	107.42	40.150	1.1186	89.258	112.44	724.97
#1	.02739	.00398	.20286	.00279	-.00203	253.05	.00115	.00249	.00428	5.4117	-.00424	-.00072	.00638
#2	.07888	.00444	.18941	.00173	-.00203	253.28	.00104	.00034	.00239	5.3268	-.00096	-.00635	-.00429
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.00058**	**4.7730**	**-.02309**	**.00040**	**9.8146**	**.00408**	**.00353**	**-.03900**
Stddev	.00051	.00009	.0060	.00011	.00030	.0737	.00000	.00069	.00204
%RSD	34.231	14.988	.12663	.47465	76.519	.75095	.12217	19.623	5.2381
#1	.00185	.00064	4.7688	-.02317	.00018	9.7625	.00408	.00402	-.03756
#2	.00113	.00051	4.7773	-.02301	.00061	9.8667	.00408	.00304	-.04044
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4804.2**	**80130.**	**6158.9**
Stddev	26.6	204.	22.4
%RSD	.55303	.25408	.36351
#1	4785.4	80274.	6174.7
#2	4823.0	79986.	6143.1

Sample Name: ccv-2984587 Acquired: 11/17/2014 17:43:30 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **.00078**	sF **.07850**	sF **.12804**	sF **.06209**	kF **.00099**	kF **-.00009**	s **.00237**	kF **.01418**	sF **.06432**	sF **.06633**	sF **.06647**
Stddev	.00001	.08899	.17496	.08641	.00138	.00021	.00043	.02811	.09043	.09265	.09323
%RSD	.99948	113.36	136.64	139.18	139.05	234.67	17.916	198.21	140.58	139.68	140.26
#1	.00079	.14143	.25176	.12319	.00197	-.00023	.00267	.03406	.12826	.13185	.13239
#2	k .00078	s .01558	s .00433	s .00099	k .00002	k .00006	s .00207	k -.00570	s .00038	s .00082	s .00055
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **-.00231**	kF **.03899**	F **-.09509**	F **-.00254**	kF **.01532**	kF **.00068**	sF **.06657**	F **.02250**	sF **.06622**	sF **.12366**	sF **.13135**
Stddev	.00053	.02988	.23392	.00353	.01002	.00040	.09291	.00689	.09322	.17269	.18505
%RSD	22.888	76.630	246.01	138.69	65.380	58.526	139.56	30.625	140.78	139.64	140.88
#1	-.00268	.06011	-.26050	-.00504	.00824	.00040	.13226	.01763	.13213	.24577	.26220
#2	k -.00193	k .01786	.07032	-.00005	k .02241	k .00096	s .00088	.02737	s .00030	s .00155	s .00050
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.22508**	sF **.13031**	sF **.12556**	kF **-.03256**	sF **.13526**	F **-.00004**	k **.00636**	kF **.00071**	sF **.12869**	k **.01853**	kF **-.00016**
Stddev	.06106	.18218	.17763	.01940	.19206	.00002	.00083	.00016	.17360	.00788	.00036
%RSD	27.128	139.80	141.47	59.584	141.99	59.545	13.099	22.098	134.89	42.551	219.06
#1	.18190	.25914	.25116	-.04628	.27107	-.00005	.00577	.00060	.25144	.01295	.00009
#2	s .26825	s .00149	s -.00005	k -.01884	s -.00055	-.00002	k .00695	k .00082	s .00594	k .02410	k -.00042
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	kF **-.00043**	kF **-.00373**
Stddev	.00025	.00715
%RSD	57.275	191.72
#1	-.00061	-.00879
#2	k -.00026	k .00133
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**224080.**	**6374.8**
Stddev	-----	15705.	4792.5
%RSD	-----	7.0083	75.178
#1	8400.6	212980.	2986.0
#2	^ -----	235190.	9763.6

Sample Name: CCB Acquired: 11/17/2014 17:46:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00238**	**.00086**	W **.00266**	**.00025**	**-.00002**	**-.00110**	**.01562**	**.00030**	**.00008**	**-.00009**	**.00014**
Stddev	.00046	.00050	.00060	.00054	.00016	.00007	.00243	.00143	.00006	.00020	.00028	.00006
%RSD	82.249	21.201	70.282	20.290	62.129	268.02	220.68	9.1342	21.108	245.50	311.42	40.284
#1	.00023	-.00274	.00128	.00305	.00036	.00002	-.00282	.01461	.00034	-.00006	.00011	.00010
#2	.00088	-.00202	.00043	.00228	.00014	-.00007	.00062	.01663	.00025	.00023	-.00028	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156								
Low Limit				-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.02267**	**.01561**	**.00141**	**.00875**	W **.00034**	**.00028**	**.03151**	**-.00035**	**-.00165**	**.00098**	**.10907**	**.00003**
Stddev	.00101	.08123	.00161	.00054	.00005	.00011	.00794	.00006	.00052	.00008	.00782	.00208
%RSD	4.4515	520.38	113.98	6.2181	15.603	37.688	25.203	16.511	31.362	8.5425	7.1662	6334.0
#1	.02338	.07304	.00255	.00913	.00037	.00021	.03713	-.00031	-.00202	.00093	.11460	.00150
#2	.02195	-.04183	.00027	.00836	.00030	.00035	.02590	-.00040	-.00129	.00104	.10354	-.00143
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.02200				.00025							
Low Limit	-.02200				-.00025							

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00227**	**.00685**	**-.00079**	**-.00001**	**.00561**	**.00040**	**.00123**	**-.00453**	**-.00008**	**-.00055**	**-.00199**
Stddev	.00046	.00391	.00033	.00005	.00118	.00007	.00327	.00882	.00008	.00005	.00003
%RSD	20.337	57.032	41.571	424.09	21.042	18.663	266.50	194.91	100.38	8.8960	1.4007
#1	-.00194	.00409	-.00056	-.00004	.00645	.00045	-.00109	.00171	-.00002	-.00052	-.00197
#2	-.00259	.00961	-.00102	.00002	.00478	.00035	.00354	-.01077	-.00014	-.00059	-.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4978.6**	**82686.**	**6136.9**
Stddev	5.1	1360.	44.7
%RSD	.10163	1.6453	.72820
#1	4975.0	83648.	6168.5
#2	4982.2	81724.	6105.3

Sample Name: CCVL2994499 Acquired: 11/17/2014 17:48:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.10902**	**.01618**	**.10284**	**.01082**	**.00105**	**.11227**	**.22892**	**.00532**	**.01054**	**.01017**	**.01500**
Stddev	.00066	.00429	.00213	.00020	.00010	.00006	.00141	.00150	.00003	.00012	.00014	.00022
%RSD	5.7497	3.9394	13.146	.19783	.96973	5.8133	1.2558	.65309	.61238	1.1129	1.3510	1.4437
#1	.01188	.10598	.01769	.10298	.01074	.00101	.11326	.22786	.00530	.01046	.01008	.01516
#2	.01095	.11205	.01468	.10270	.01089	.00109	.11127	.22998	.00534	.01063	.01027	.01485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11073**	**3.1349**	F **.01327**	**.22112**	**.01055**	**.02051**	**1.1268**	**.04110**	**2.8841**	W **.01122**	**.10499**	W **.00780**
Stddev	.00047	.0059	.00032	.00191	.00000	.00009	.0080	.00018	.0006	.00062	.02155	.00059
%RSD	.42835	.18660	2.3781	.86537	.00625	.45550	.70538	.42861	.02220	5.5036	20.530	7.6126
#1	.11107	3.1307	.01349	.22248	.01055	.02045	1.1324	.04122	2.8837	.01165	.08974	.00822
#2	.11040	3.1390	.01305	.21977	.01055	.02058	1.1212	.04097	2.8846	.01078	.12023	.00738
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Warn
Value			.01000							.00900		.01000
Range			30.000%							20.000%		-20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01157**	**.49693**	**.10523**	**.01018**	**.01770**	**.01005**	**.01704**	**.05350**	**.01025**	**.02098**	**.01250**
Stddev	.00732	.01079	.00020	.00012	.00024	.00008	.00089	.00200	.00020	.00031	.00039
%RSD	63.242	2.1722	.19198	1.1825	1.3346	.80045	5.2427	3.7354	1.9182	1.4976	3.0809
#1	.00639	.50456	.10537	.01027	.01787	.01011	.01641	.05491	.01011	.02121	.01223
#2	.01674	.48929	.10509	.01010	.01753	.01000	.01767	.05209	.01039	.02076	.01277
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	-20.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4999.3**	**83041.**	**6134.1**
Stddev	26.1	99.	26.3
%RSD	.52299	.11947	.42908
#1	5017.8	82971.	6115.5
#2	4980.8	83111.	6152.7

Sample Name: LB3 280-252605/1-B Acquired: 11/17/2014 17:51:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/13 Custom ID2: Custom ID3:
Comment: 252714 6010B tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**-.00189**	**.00223**	F **.01112**	**.00041**	**-.00002**	**.00156**	**.03787**	**.00010**
Stddev	.00024	.00046	.00042	.00009	.00040	.00006	.00116	.00278	.00006
%RSD	23.762	24.449	19.074	.79082	98.330	405.67	74.378	7.3329	60.637
#1	.00118	-.00221	.00253	.01118	.00069	-.00006	.00074	.03984	.00015
#2	.00084	-.00156	.00193	.01106	.00012	.00003	.00238	.03591	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000					
Low Limit				-.01000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00006**	**.00010**	**.00578**	**.00335**	**.00129**	**.00936**	**.00003**	**.00028**
Stddev	.00007	.00011	.00011	.00103	.02629	.00075	.00097	.00000	.00024
%RSD	1482.6	186.17	106.69	17.828	784.56	58.044	10.344	13.500	87.604
#1	-.00004	.00002	.00018	.00651	.02194	.00182	.01004	.00004	.00011
#2	.00005	-.00014	.00002	.00505	-.01524	.00076	.00867	.00003	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2897**	**-.00029**	**.00292**	**-.00041**	**.09805**	**-.00117**	**.00000**	**.01458**	**-.00043**
Stddev	.0045	.00005	.00210	.00046	.00169	.00038	.00328	.01112	.00056
%RSD	.34568	16.098	71.863	113.39	1.7248	32.472	78786.	76.238	129.58
#1	1.2866	-.00033	.00440	-.00074	.09686	-.00090	-.00232	.00672	-.00004
#2	1.2929	-.00026	.00144	-.00008	.09925	-.00144	.00232	.02244	-.00082
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000								
Low Limit	-1.0000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00485**	**.00030**	**.00045**	**-.03642**	**-.00022**	**-.00022**	**-.00132**
Stddev	.00010	.00029	.00026	.00186	.03845	.00020	.00080	.00145
%RSD	242.05	6.0118	83.922	414.62	105.57	93.412	373.47	109.52
#1	.00012	.00505	.00012	-.00087	-.06361	-.00007	.00035	-.00030
#2	-.00003	.00464	.00049	.00177	-.00923	-.00036	-.00078	-.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4974.5**	**83385.**	**6213.1**
Stddev	1.5	390.	19.7
%RSD	.03046	.46732	.31736
#1	4975.6	83661.	6199.2
#2	4973.5	83110.	6227.0

Sample Name: LCS 280-252605/2-B Acquired: 11/17/2014 17:54:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010B tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21751**	**.39328**	**.74135**	**.20545**	**2.3379**	**.00927**	**.42763**	**9.5435**	**.21441**
Stddev	.00021	.00103	.00360	.00110	.0021	.00011	.00048	.0054	.00043
%RSD	.09551	.26176	.48567	.53673	.08935	1.1431	.11306	.05661	.19964
#1	.21766	.39401	.74389	.20467	2.3394	.00920	.42797	9.5473	.21411
#2	.21737	.39255	.73880	.20623	2.3364	.00935	.42729	9.5397	.21471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09419**	**.97574**	**.42808**	**.19463**	**9.6413**	**.19671**	**9.2914**	**.09508**	**.20114**
Stddev	.00042	.00056	.00187	.00182	.0027	.00122	.0077	.00051	.00023
%RSD	.45007	.05751	.43657	.93740	.02824	.62143	.08344	.53436	.11223
#1	.09389	.97614	.42940	.19592	9.6394	.19757	9.2969	.09472	.20130
#2	.09449	.97534	.42675	.19334	9.6432	.19584	9.2860	.09544	.20098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.287**	**.09370**	**1.8841**	**1.1064**	**.47126**	**.09496**	**.58716**	F **1.9378**	**.38763**
Stddev	.089	.00054	.0011	.0004	.00368	.00233	.00251	.0131	.00154
%RSD	.66860	.58031	.05826	.03698	.78041	2.4576	.42715	.67466	.39793
#1	13.350	.09331	1.8833	1.1067	.46866	.09661	.58894	1.9471	.38654
#2	13.225	.09408	1.8849	1.1061	.47386	.09331	.58539	1.9286	.38872
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	12.000							.48000	
Low Limit	8.0000							.32000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18884**	**.18287**	**.18580**	**.40847**	**.39143**	**.09227**	**.47621**	**.09059**
Stddev	.00003	.00106	.00042	.00170	.02372	.00009	.00037	.00226
%RSD	.01487	.58054	.22361	.41594	6.0590	.09720	.07771	2.4893
#1	.18886	.18362	.18609	.40727	.37466	.09234	.47647	.08900
#2	.18882	.18212	.18551	.40967	.40820	.09221	.47595	.09219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4928.6**	**82886.**	**6186.0**
Stddev	3.5	604.	48.3
%RSD	.07141	.72891	.78092
#1	4931.1	83313.	6151.9
#2	4926.1	82459.	6220.2

Sample Name: 280-62135-A-2-B Acquired: 11/17/2014 17:56:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010B tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.39172**	**.00132**	**.20173**	**.04464**	**-.00003**	F **-.02088**	**.22590**	**.00033**
Stddev	.00018	.00375	.00623	.00237	.00103	.00006	.00161	.03618	.00011
%RSD	8.2576	.95709	470.52	1.1753	2.3006	214.31	7.7146	16.015	34.243
#1	.00201	.39437	-.00308	.20005	.04537	-.00007	-.02201	.25148	.00025
#2	.00226	.38907	.00573	.20340	.04392	.00001	-.01974	.20032	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							100.00		
Low Limit							-.02000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.01829**	**.01494**	**1.1581**	W **122.21**	**.35897**	**.05362**	**.00852**	**.18349**
Stddev	.00037	.00051	.00065	.0032	27.30	.04828	.00466	.00013	.00003
%RSD	36.961	2.7664	4.3270	.27980	22.340	13.451	8.6860	1.5827	.01370
#1	.00128	.01794	.01448	1.1558	102.91	.39312	.05033	.00861	.18351
#2	.00075	.01865	.01540	1.1604	141.52	.32483	.05692	.00842	.18347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					100.00				
Low Limit					-.50000				

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5316.9**	**.00123**	**.17655**	**.01023**	**5.5192**	**-.00749**	F **-.01600**	**19.580**	**.00090**
Stddev	62.3	.00010	.00063	.00307	.1470	.00259	.00421	.235	.00098
%RSD	1.1719	7.8913	.35641	30.024	2.6630	34.610	26.312	1.2003	108.35
#1	5361.0	.00129	.17699	.01240	5.6231	-.00932	-.01302	19.413	.00021
#2	5272.9	.00116	.17611	.00806	5.4152	-.00566	-.01898	19.746	.00159
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	10.000						50.000		
Low Limit	-1.0000						-.01000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12254**	**.00563**	**.02809**	**-.00019**	**.01632**	**.00246**	**2.1991**	**.00361**
Stddev	.00451	.00166	.00107	.00278	.05467	.00043	.0834	.00120
%RSD	3.6786	29.591	3.8101	1468.5	335.05	17.300	3.7936	33.168
#1	.12573	.00445	.02885	-.00216	.05497	.00276	2.2581	.00446
#2	.11935	.00680	.02733	.00178	-.02234	.00216	2.1401	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**1978.6**	**35513.**	**4898.3**
Stddev	20.1	598.	36.1
%RSD	1.0146	1.6849	.73650
#1	1992.8	35090.	4872.8
#2	1964.4	35936.	4923.8

Sample Name: 280-62180-D-2-I Acquired: 11/17/2014 18:00:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010B tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**-.00429**	**.00344**	**.50215**	**.34238**	**.00005**	**-.00169**	**44.947**	**.00048**
Stddev	.00053	.00062	.00334	.00004	.00000	.00006	.00011	.064	.00010
%RSD	54.498	14.524	97.128	.00852	.00105	113.43	6.7647	.14223	20.253
#1	.00060	-.00385	.00580	.50218	.34238	.00001	-.00177	44.992	.00055
#2	.00135	-.00473	.00108	.50212	.34238	.00009	-.00161	44.902	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	**.00357**	**.01049**	**.57448**	**39.948**	**.01221**	**29.055**	**.21821**	**.00045**
Stddev	.00004	.00007	.00011	.00203	.308	.00026	.039	.00013	.00039
%RSD	1.1884	1.9219	1.0749	.35274	.77118	2.1093	.13359	.06094	87.730
#1	.00314	.00361	.01057	.57592	40.166	.01203	29.027	.21811	.00017
#2	.00319	.00352	.01041	.57305	39.730	.01239	29.082	.21830	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**124.47**	**.01824**	**.11381**	**.00053**	**3.3039**	**.00091**	**-.00086**	**4.0911**	**.00084**
Stddev	1.21	.00047	.00203	.00081	.0214	.00072	.00492	.0001	.00086
%RSD	.97163	2.5524	1.7806	152.13	.64800	78.530	570.09	.00177	101.65
#1	125.33	.01791	.11238	.00111	3.2887	.00041	-.00434	4.0911	.00145
#2	123.62	.01857	.11524	-.00004	3.3190	.00142	.00262	4.0910	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33610**	**.00376**	**.00616**	**.00544**	**-.00744**	**.00224**	**.02190**	**.00119**
Stddev	.00011	.00026	.00044	.00012	.01392	.00008	.00001	.00091
%RSD	.03305	6.9629	7.2088	2.2037	187.02	3.5541	.05065	76.609
#1	.33602	.00358	.00647	.00536	.00240	.00230	.02190	.00183
#2	.33618	.00395	.00584	.00553	-.01729	.00218	.02191	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5008.1**	**84844.**	**6855.2**
Stddev	5.2	108.	9.0
%RSD	.10346	.12724	.13073
#1	5004.5	84768.	6848.8
#2	5011.8	84920.	6861.5

Sample Name: 280-62180-D-2-I SD@5 Acquired: 11/17/2014 18:02:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010B tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00534**	**.00146**	**.10285**	**.06871**	**-.00003**	**-.00188**	**9.1707**	**.00022**
Stddev	.00005	.00084	.00294	.00022	.00017	.00008	.00066	.0121	.00006
%RSD	5.7462	15.817	200.99	.21555	.24974	245.91	35.259	.13187	24.896
#1	.00076	-.00594	-.00062	.10301	.06859	-.00009	-.00141	9.1792	.00026
#2	.00083	-.00474	.00354	.10269	.06883	.00002	-.00235	9.1621	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00066**	**.00225**	**.14011**	**8.7362**	**.00096**	**6.1012**	**.04526**	**.00004**
Stddev	.00017	.00028	.00009	.00141	.0674	.00023	.0007	.00014	.00040
%RSD	23.840	42.462	3.9783	1.0039	.77164	24.408	.01131	.30668	961.68
#1	.00084	.00086	.00218	.14111	8.7838	.00079	6.1007	.04536	-.00024
#2	.00059	.00046	.00231	.13912	8.6885	.00112	6.1016	.04517	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.340**	**.00352**	**.02170**	**.00025**	**.89999**	**.00077**	W **-.00534**	**.83902**	**.00028**
Stddev	.351	.00041	.00347	.00103	.01153	.00122	.00074	.01010	.00047
%RSD	1.2852	11.728	16.009	415.98	1.2810	158.60	13.866	1.2039	166.45
#1	27.589	.00323	.01925	-.00048	.89183	-.00009	-.00482	.83188	.00061
#2	27.092	.00381	.02416	.00097	.90814	.00163	-.00586	.84617	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06857**	**.00158**	**.00160**	**.00140**	**.01347**	**.00044**	**.00378**	**-.00017**
Stddev	.00004	.00123	.00027	.00045	.02768	.00000	.00013	.00086
%RSD	.05635	77.460	16.935	31.690	205.40	.62951	3.5081	500.29
#1	.06854	.00072	.00179	.00172	.03304	.00044	.00369	-.00078
#2	.06859	.00245	.00141	.00109	-.00610	.00044	.00388	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5209.6**	**87949.**	**6869.6**
Stddev	16.4	278.	9.1
%RSD	.31556	.31656	.13224
#1	5221.2	87752.	6863.2
#2	5198.0	88146.	6876.0

Sample Name: 280-62180-D-2-J MS Acquired: 11/17/2014 18:05:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010B tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .24126	.41781	.86586	.73739	2.9733	.01057	.48066	55.606	.24727
Stddev	.00144	.00283	.00230	.00048	.0044	.00001	.00191	.016	.00072
%RSD	.59847	.67769	.26619	.06486	.14703	.05558	.39677	.02844	.29252
#1	.24228	.41981	.86423	.73705	2.9764	.01058	.48201	55.617	.24778
#2	.24024	.41580	.86749	.73773	2.9702	.01057	.47931	55.595	.24676
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10666	1.0872	.50863	.77037	49.121	.23700	39.470	.31631	.22663
Stddev	.00034	.0015	.00085	.00247	.063	.00087	.047	.00018	.00130
%RSD	.31764	.14029	.16696	.32027	.12725	.36874	.11924	.05647	.57226
#1	.10690	1.0862	.50803	.76863	49.165	.23638	39.437	.31619	.22572
#2	.10642	1.0883	.50923	.77212	49.076	.23762	39.503	.31644	.22755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	127.22	.12033	2.3670	1.1911	4.0746	.11322	.69793	6.0342	.42956
Stddev	.17	.00022	.0057	.0008	.0041	.00449	.00317	.0277	.00075
%RSD	.13688	.18593	.24237	.06816	.09992	3.9622	.45436	.45899	.17545
#1	127.10	.12018	2.3630	1.1905	4.0774	.11640	.69569	6.0146	.43010
#2	127.34	.12049	2.3711	1.1917	4.0717	.11005	.70017	6.0538	.42903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55008	.20600	.21374	.43665	.41113	.10599	.53033	.10315
Stddev	.00113	.00157	.00002	.00158	.00635	.00033	.00144	.00110
%RSD	.20467	.76168	.00794	.36144	1.5444	.31602	.27236	1.0684
#1	.55087	.20711	.21375	.43554	.40664	.10575	.52931	.10237
#2	.54928	.20490	.21373	.43777	.41562	.10622	.53135	.10393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4975.1	84304.	6709.8
Stddev	6.9	178.	13.5
%RSD	.13817	.21101	.20175
#1	4979.9	84178.	6719.4
#2	4970.2	84430.	6700.2

Sample Name: 280-62180-D-2-K MSD Acquired: 11/17/2014 18:07:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010B tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22342	.38954	.80526	.69066	2.7724	.00974	.44669	51.980	.23069
Stddev	.00036	.00321	.00331	.00287	.0004	.00001	.00001	.065	.00085
%RSD	.16018	.82316	.41098	.41540	.01266	.09401	.00186	.12505	.36851
#1	.22367	.38727	.80760	.68863	2.7726	.00974	.44669	51.934	.23009
#2	.22316	.39180	.80292	.69269	2.7721	.00975	.44670	52.026	.23129
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09986	1.0162	.47538	.71696	45.929	.22163	36.999	.29626	.21253
Stddev	.00013	.0019	.00115	.00207	.058	.00265	.025	.00026	.00104
%RSD	.13195	.19019	.24258	.28849	.12627	1.1939	.06830	.08726	.48997
#1	.09995	1.0149	.47620	.71549	45.888	.22350	37.017	.29608	.21180
#2	.09977	1.0176	.47457	.71842	45.970	.21976	36.981	.29645	.21327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	119.29	.11289	2.2053	1.1174	3.7453	.10600	.64930	5.5932	.39995
Stddev	.05	.00008	.0103	.0042	.0029	.00137	.00053	.0251	.00184
%RSD	.04311	.06710	.46613	.37778	.07751	1.2946	.08231	.44912	.46031
#1	119.25	.11294	2.1980	1.1144	3.7473	.10503	.64892	5.5754	.39865
#2	119.32	.11284	2.2125	1.1204	3.7432	.10697	.64968	5.6110	.40126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51418	.19090	.19924	.41032	.40688	.09877	.49700	.09742
Stddev	.00030	.00048	.00103	.00074	.00234	.00055	.00075	.00076
%RSD	.05756	.25128	.51507	.18075	.57466	.55749	.15108	.78429
#1	.51439	.19056	.19997	.41085	.40853	.09916	.49647	.09796
#2	.51398	.19124	.19851	.40980	.40522	.09838	.49754	.09688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4994.6	84634.	6729.2
Stddev	2.7	18.	22.6
%RSD	.05347	.02134	.33528
#1	4996.5	84647.	6745.1
#2	4992.8	84621.	6713.2

Sample Name: ccvh-2982968 Acquired: 11/17/2014 18:10:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00734**	**49.402**	**-.00108**	**.00628**	**.00102**	**-.00006**	**1.0545**	**-.02900**	**-.00059**	**.00166**	**.00054**	**-.00235**	**48.830**
Stddev	.00023	.264	.00018	.00062	.00030	.00007	.0046	.00520	.00011	.00002	.00002	.00049	.033
%RSD	3.1419	.53465	17.018	9.8294	29.546	119.06	.43112	17.939	17.961	1.4009	4.4065	20.627	.06831
#1	.00718	49.589	-.00121	.00671	.00123	-.00001	1.0513	-.02532	-.00051	.00167	.00053	-.00201	48.853
#2	.00750	49.216	-.00095	.00584	.00081	-.00011	1.0577	-.03268	-.00066	.00164	.00056	-.00269	48.806
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67847**	**.00167**	**.13638**	**-.00303**	**-.00168**	**251.35**	**.00072**	**.00178**	**.00215**	**5.3735**	**-.00237**	**.00304**	**-.01991**
Stddev	.02073	.00094	.00148	.00009	.00034	1.03	.00042	.00089	.00043	.0045	.00095	.00277	.00012
%RSD	3.0560	56.163	1.0870	2.9869	20.189	.41054	58.989	50.102	20.086	.08448	39.829	91.205	.59230
#1	.66381	.00101	.13742	-.00297	-.00144	252.08	.00042	.00241	.00246	5.3703	-.00171	.00499	-.01983
#2	.69313	.00234	.13533	-.00309	-.00191	250.62	.00102	.00115	.00184	5.3767	-.00304	.00108	-.02000
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00211**	**.00033**	**4.7211**	**-.02228**	**.00217**	**9.8938**	**.00410**	**-.00104**	**-.03727**
Stddev	.00079	.00003	.0343	.00018	.00122	.0343	.00047	.00003	.00026
%RSD	37.307	8.0760	.72543	.79758	56.358	.34689	11.447	2.7119	.69809
#1	.00156	.00035	4.6968	-.02215	.00130	9.8695	.00377	-.00106	-.03746
#2	.00267	.00031	4.7453	-.02240	.00303	9.9181	.00443	-.00102	-.03709
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5035.6**	**84530.**	**6722.1**
Stddev	7.2	414.	31.7
%RSD	.14253	.49031	.47209
#1	5030.5	84823.	6699.7
#2	5040.7	84237.	6744.5

Sample Name: ccv-2984587 Acquired: 11/17/2014 18:17:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51292**	**.52075**	**.99919**	**.51148**	**.50010**	**.48833**	**.00634**	**4.9350**	**.50589**	**.49728**	**.49186**	**.50785**
Stddev	.00201	.00232	.00434	.00039	.00134	.00051	.00160	.0115	.00007	.00068	.00023	.00102
%RSD	.39249	.44608	.43386	.07651	.26844	.10446	25.293	.23320	.01338	.13714	.04767	.20126
#1	.51150	.52240	1.0023	.51175	.50105	.48869	.00747	4.9431	.50594	.49776	.49169	.50713
#2	.51435	.51911	.99612	.51120	.49915	.48797	.00521	4.9269	.50584	.49679	.49203	.50857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4723**	**49.820**	**1.0196**	**19.555**	**.49253**	**.50342**	F **6.3125**	**.49673**	**.99264**	**1.0076**	**.17758**	**1.0353**
Stddev	.0135	.118	.0000	.008	.00121	.00026	.0427	.00043	.00300	.0023	.00169	.0011
%RSD	.54512	.23716	.00262	.04018	.24600	.05089	.67629	.08595	.30234	.22982	.95301	.10435
#1	2.4819	49.904	1.0197	19.560	.49167	.50360	6.3426	.49643	.99051	1.0092	.17877	1.0361
#2	2.4628	49.736	1.0196	19.549	.49338	.50324	6.2823	.49703	.99476	1.0059	.17638	1.0345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0391**	**4.8706**	**1.0067**	**.49302**	**.02454**	**.49385**	**1.0323**	**.00627**	**.48770**	**.47434**	**.48922**
Stddev	.0037	.0243	.0036	.00103	.00018	.00074	.0011	.01213	.00044	.00198	.00054
%RSD	.35664	.49918	.35416	.20895	.71479	.14964	.10314	193.42	.08939	.41800	.11136
#1	1.0365	4.8877	1.0092	.49375	.02467	.49332	1.0316	-.00231	.48801	.47294	.48883
#2	1.0417	4.8534	1.0042	.49229	.02442	.49437	1.0331	.01485	.48739	.47574	.48960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5172.0**	**86760.**	**6754.4**
Stddev	1.3	31.	19.2
%RSD	.02604	.03592	.28427
#1	5171.0	86738.	6740.8
#2	5172.9	86782.	6768.0

Sample Name: CCB Acquired: 11/17/2014 18:19:29 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00117**	**-.00668**	**.00045**	F **.00344**	**.00006**	**.00018**	**-.00047**	**-.00650**	**.00022**	**-.00009**	**-.00000**	**.00054**
Stddev	.00051	.00005	.00095	.00035	.00009	.00005	.00096	.00064	.00013	.00034	.00010	.00013
%RSD	43.708	.79923	209.90	10.306	160.20	26.458	203.94	9.8230	56.102	389.75	4336.2	23.571
#1	.00081	-.00664	-.00022	.00369	-.00001	.00021	.00021	-.00695	.00013	-.00033	-.00007	.00045
#2	.00153	-.00672	.00113	.00319	.00012	.00014	-.00115	-.00605	.00031	.00015	.00007	.00063
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	F **.48975**	**.00087**	**.00729**	**.00005**	**.00065**	F **1.2162**	**-.00072**	**-.00092**	**.00112**	**.14958**	**-.00069**
Stddev	.00086	.05016	.00118	.00395	.00006	.00018	.0108	.00064	.00098	.00059	.00233	.00018
%RSD	189.41	10.241	136.01	54.150	122.77	28.082	.89078	88.717	106.50	52.909	1.5560	26.265
#1	-.00106	.52522	.00003	.01008	.00001	.00078	1.2239	-.00027	-.00023	.00070	.14794	-.00056
#2	.00015	.45428	.00170	.00450	.00010	.00052	1.2085	-.00118	-.00161	.00154	.15123	-.00082
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000					.20152					
Low Limit		-.25000					-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**-.00804**	**.00038**	**.00018**	**.00306**	W **.00071**	**.00094**	**.01028**	**.00002**	**-.00059**	**-.00155**
Stddev	.00328	.01547	.00020	.00005	.00032	.00003	.00133	.02695	.00055	.00025	.00139
%RSD	159.47	192.53	51.985	29.254	10.455	4.6362	141.48	262.19	3337.2	43.340	89.627
#1	.00438	-.01897	.00053	.00022	.00328	.00069	-.00000	.02933	.00041	-.00076	-.00057
#2	-.00026	.00290	.00024	.00015	.00283	.00073	.00188	-.00878	-.00037	-.00041	-.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5267.4**	**88489.**	**6690.6**
Stddev	11.4	191.	17.8
%RSD	.21612	.21549	.26602
#1	5275.4	88624.	6678.0
#2	5259.3	88355.	6703.2

Sample Name: CCVL2994499 Acquired: 11/17/2014 18:22:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01146**	**.10092**	**.01438**	**.10423**	**.01063**	**.00106**	**.11503**	**.20271**	**.00555**	**.01048**	**.00995**	**.01600**
Stddev	.00010	.00040	.00153	.00016	.00004	.00006	.00398	.00043	.00011	.00008	.00020	.00017
%RSD	.89332	.39554	10.624	.14950	.37641	5.9907	3.4620	.21351	1.9095	.74371	2.0293	1.0867
#1	.01139	.10063	.01546	.10412	.01066	.00102	.11221	.20302	.00562	.01042	.00981	.01588
#2	.01153	.10120	.01330	.10434	.01061	.00111	.11784	.20240	.00547	.01053	.01009	.01612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10219**	**3.5305**	W **.01207**	**.21492**	**.01025**	**.02014**	F **2.1842**	**.04075**	**2.9271**	**.00997**	**.14385**	**.01189**
Stddev	.00164	.0393	.00126	.00181	.00001	.00007	.0004	.00027	.0076	.00147	.00600	.00008
%RSD	1.6072	1.1140	10.472	.84315	.10292	.33401	.01580	.65806	.25942	14.799	4.1729	.68308
#1	.10335	3.5583	.01117	.21620	.01026	.02019	2.1845	.04056	2.9218	.00892	.14810	.01195
#2	.10103	3.5027	.01296	.21364	.01025	.02010	2.1840	.04094	2.9325	.01101	.13961	.01183
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			20.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01435**	**.51203**	**.10378**	**.01037**	W **.01813**	**.01073**	**.01604**	F **.08127**	**.00993**	**.01986**	**.01372**
Stddev	.00392	.00247	.00139	.00003	.00016	.00005	.00101	.02353	.00010	.00085	.00040
%RSD	27.303	.48144	1.3387	.33033	.86675	.46672	6.2853	28.950	.97466	4.2906	2.8971
#1	.01713	.51377	.10279	.01034	.01824	.01077	.01676	.09790	.01000	.01925	.01344
#2	.01158	.51028	.10476	.01039	.01802	.01070	.01533	.06463	.00986	.02046	.01400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5275.2**	**88841.**	**6722.7**
Stddev	12.0	176.	29.3
%RSD	.22829	.19831	.43589
#1	5283.7	88717.	6743.4
#2	5266.7	88966.	6702.0

Sample Name: MB 280-252498/1-A Acquired: 11/17/2014 18:24:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/12 Custom ID2: Custom ID3:
Comment: 252498 6010C Q4 soil *Ag

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00665**	**-.00188**	F **.01167**	**.00054**	**-.00001**	**-.00362**	**.02793**	**.00019**
Stddev	.00010	.00064	.00061	.00019	.00002	.00004	.00102	.00139	.00003
%RSD	13.087	9.6499	32.676	1.6245	2.9981	364.61	28.036	4.9743	15.517
#1	.00083	.00620	-.00231	.01181	.00052	-.00004	-.00291	.02695	.00017
#2	.00069	.00711	-.00144	.01154	.00055	.00002	-.00434	.02891	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000					
Low Limit				-.01000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00020**	**.00071**	**.01548**	**.46334**	**.00128**	**.01531**	**.00035**	**.00045**
Stddev	.00003	.00004	.00007	.00099	.01875	.00033	.00025	.00002	.00042
%RSD	11.945	17.705	10.212	6.4271	4.0473	26.022	1.6643	5.8884	93.767
#1	-.00020	.00023	.00066	.01618	.47660	.00151	.01549	.00033	.00015
#2	-.00024	.00018	.00076	.01478	.45008	.00104	.01513	.00036	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1814**	**-.00067**	F **.01482**	**.00049**	**.12864**	**.00134**	**.00032**	F **.10128**	**.00986**
Stddev	.0098	.00034	.00091	.00053	.00180	.00198	.00411	.01558	.00097
%RSD	.83207	50.679	6.1353	106.83	1.4025	147.86	1283.6	15.384	9.8634
#1	1.1884	-.00091	.01417	.00086	.12991	-.00006	.00323	.09026	.00917
#2	1.1745	-.00043	.01546	.00012	.12736	.00273	-.00259	.11230	.01055
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1.0000		.01000					.10000	
Low Limit	-1.0000		-.01000					-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00292**	**.00072**	**-.00222**	**.00289**	**-.00061**	**.00273**	**-.00063**
Stddev	.00004	.00086	.00020	.00083	.01047	.00026	.00025	.00065
%RSD	22.677	29.318	28.040	37.445	361.98	41.952	9.2302	103.90
#1	.00014	.00353	.00086	-.00164	.01029	-.00079	.00255	-.00017
#2	.00019	.00232	.00058	-.00281	-.00451	-.00043	.00291	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5295.1**	**90107.**	**6834.4**
Stddev	2.9	127.	.8
%RSD	.05528	.14059	.01188
#1	5297.2	90017.	6835.0
#2	5293.0	90197.	6833.9

Sample Name: LCS 280-252498/2-A Acquired: 11/17/2014 18:27:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252498 6010C Q4 soil *Ag

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05392**	**1.9261**	**.93989**	F **1.1137**	**1.9757**	**.04764**	**2.1073**	**47.985**	**.09293**
Stddev	.00049	.0031	.00315	.0017	.0078	.00009	.0083	.144	.00024
%RSD	.90914	.15826	.33538	.15536	.39465	.18954	.39475	.29980	.25527
#1	.05357	1.9239	.94211	1.1125	1.9702	.04758	2.1014	47.883	.09276
#2	.05427	1.9282	.93766	1.1149	1.9812	.04771	2.1132	48.087	.09310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000					
Low Limit				.89000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47220**	**.19126**	**.24954**	**1.0388**	**48.948**	**1.0060**	**46.492**	**.46957**	**1.0220**
Stddev	.00016	.00016	.00040	.0025	.134	.0051	.104	.00091	.0040
%RSD	.03485	.08252	.16187	.23742	.27417	.50401	.22368	.19302	.39071
#1	.47209	.19137	.24925	1.0405	48.853	1.0024	46.419	.46893	1.0192
#2	.47232	.19114	.24982	1.0371	49.043	1.0096	46.566	.47021	1.0249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.760**	**.46767**	**9.8424**	**.48455**	**2.0972**	**.50642**	**1.9745**	F **8.2218**	**1.9429**
Stddev	.020	.00138	.0056	.00198	.0037	.00144	.0034	.0397	.0066
%RSD	.03998	.29506	.05653	.40937	.17502	.28415	.17413	.48324	.33794
#1	50.774	.46670	9.8385	.48315	2.0946	.50540	1.9720	8.1937	1.9382
#2	50.745	.46865	9.8464	.48595	2.0998	.50744	1.9769	8.2499	1.9475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								11.500	
Low Limit								9.4000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96981**	**.93825**	**.96275**	**1.9156**	**1.9891**	**.47603**	**.45418**	**.47549**
Stddev	.00336	.00327	.00085	.0029	.0343	.00102	.00072	.00059
%RSD	.34641	.34871	.08816	.14932	1.7220	.21348	.15763	.12395
#1	.96743	.93593	.96215	1.9136	2.0133	.47531	.45368	.47507
#2	.97218	.94056	.96335	1.9177	1.9649	.47675	.45469	.47591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5056.6**	**85420.**	**6764.1**
Stddev	8.0	118.	24.5
%RSD	.15898	.13819	.36228
#1	5062.3	85337.	6781.4
#2	5051.0	85504.	6746.8

Sample Name: 280-62301-D-1-A Acquired: 11/17/2014 18:29:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252498 6010C Q4 soil *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**54.951**	**.02539**	**.02765**	**.46908**	**.00293**	**.05470**	**27.593**	**.00134**
Stddev	.00002	.010	.00123	.00002	.00053	.00000	.00061	.009	.00007
%RSD	3.1912	.01832	4.8550	.06574	.11388	.07257	1.1138	.03133	4.9548
#1	-.00073	54.944	.02452	.02764	.46946	.00293	.05513	27.599	.00129
#2	-.00076	54.958	.02626	.02766	.46871	.00293	.05427	27.587	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02584**	**.07858**	**.06728**	**98.083**	**13.945**	**.08801**	**21.771**	**1.4758**	**.00414**
Stddev	.00009	.00032	.00010	.131	.029	.00081	.013	.0002	.00004
%RSD	.33809	.41342	.14274	.13311	.21040	.92595	.05761	.01535	.97987
#1	.02578	.07881	.06735	98.176	13.966	.08859	21.762	1.4759	.00417
#2	.02590	.07835	.06721	97.991	13.925	.08744	21.780	1.4756	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6940**	**.05780**	**3.3338**	**.04606**	**.41332**	**-.00104**	**-.00344**	**2.6637**	**.00921**
Stddev	.0112	.00004	.0010	.00065	.00336	.00164	.00479	.0244	.00011
%RSD	.66306	.07660	.02890	1.4048	.81244	157.45	139.23	.91442	1.1585
#1	1.7019	.05783	3.3345	.04651	.41570	.00012	-.00683	2.6809	.00928
#2	1.6861	.05776	3.3331	.04560	.41095	-.00220	-.00005	2.6465	.00913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11093**	**.07116**	**2.9002**	**.00368**	F **-.16614**	**.16814**	**.23826**	**.04566**
Stddev	.00026	.00009	.0004	.00056	.00073	.00017	.00120	.00117
%RSD	.23468	.12913	.01255	15.231	.43926	.09959	.50471	2.5608
#1	.11112	.07109	2.9004	.00328	-.16666	.16826	.23911	.04483
#2	.11075	.07122	2.8999	.00407	-.16563	.16803	.23741	.04649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000			
Low Limit					-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5757.1**	**96153.**	**7673.4**
Stddev	2.0	80.	14.2
%RSD	.03417	.08285	.18564
#1	5758.5	96097.	7683.5
#2	5755.7	96209.	7663.4

Sample Name: 280-62301-D-1-A SD@5 Acquired: 11/17/2014 18:32:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252498 6010C Q4 soil *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**11.712**	**.00595**	**.00809**	**.09970**	**.00064**	**.01044**	**5.8766**	**.00041**
Stddev	.00014	.073	.00200	.00036	.00100	.00000	.00359	.0411	.00001
%RSD	94.505	.62094	33.615	4.3983	1.0019	.55943	34.430	.69950	2.2580
#1	-.00005	11.661	.00454	.00834	.09899	.00064	.00790	5.8475	.00040
#2	-.00025	11.763	.00737	.00784	.10041	.00063	.01298	5.9056	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00578**	**.01727**	**.01449**	**20.772**	**3.1654**	**.01981**	**4.7564**	**.31784**	**.00111**
Stddev	.00008	.00023	.00034	.115	.0434	.00186	.0160	.00117	.00009
%RSD	1.3602	1.3233	2.3400	.55263	1.3720	9.3790	.33564	.36953	7.9891
#1	.00573	.01710	.01425	20.691	3.1347	.02113	4.7451	.31701	.00104
#2	.00584	.01743	.01473	20.853	3.1961	.01850	4.7677	.31867	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92447**	**.01286**	**.73214**	**.01045**	**.15851**	**.00111**	**-.00025**	**.58291**	**.00207**
Stddev	.00991	.00010	.01103	.00003	.00516	.00054	.00832	.00628	.00079
%RSD	1.0716	.76059	1.5060	.27069	3.2527	48.820	3314.2	1.0778	38.428
#1	.91747	.01293	.72434	.01043	.15486	.00073	-.00613	.57847	.00150
#2	.93147	.01279	.73993	.01047	.16216	.00149	.00563	.58735	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02354**	**.01853**	**.60943**	**.00167**	**-.03395**	**.03516**	**.05113**	**.00840**
Stddev	.00005	.00191	.00140	.00075	.00910	.00012	.00049	.00101
%RSD	.22551	10.297	.22963	44.840	26.810	.34121	.96381	12.009
#1	.02350	.01988	.60844	.00114	-.02751	.03508	.05147	.00912
#2	.02357	.01718	.61042	.00220	-.04039	.03525	.05078	.00769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5411.7**	**90347.**	**6945.2**
Stddev	2.6	15.	18.6
%RSD	.04885	.01689	.26772
#1	5413.6	90336.	6958.3
#2	5409.8	90358.	6932.0

Sample Name: 280-62301-D-1-B MS Acquired: 11/17/2014 18:35:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252498 6010C Q4 soil *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04734**	**77.705**	**.85973**	**.89385**	**2.3093**	**.04484**	**1.9499**	**69.008**	**.08402**
Stddev	.00034	.060	.00176	.00096	.0026	.00014	.0007	.032	.00014
%RSD	.70967	.07701	.20464	.10724	.11111	.32121	.03609	.04686	.16617
#1	.04710	77.663	.86097	.89453	2.3075	.04494	1.9494	68.985	.08393
#2	.04757	77.747	.85848	.89317	2.3111	.04474	1.9504	69.031	.08412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44081**	**.24492**	**.27950**	**92.216**	**63.221**	**.98601**	**63.561**	**1.9734**	**.89672**
Stddev	.00018	.00028	.00045	.019	.064	.00252	.114	.0026	.00058
%RSD	.04135	.11361	.15983	.02102	.10047	.25579	.17960	.13117	.06493
#1	.44094	.24511	.27982	92.230	63.266	.98423	63.642	1.9753	.89714
#2	.44068	.24472	.27918	92.202	63.176	.98780	63.481	1.9716	.89631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.002**	**.46611**	**11.819**	**.46369**	**2.1437**	**.33447**	**1.7420**	**6.5075**	**1.6780**
Stddev	.318	.00039	.006	.00057	.0042	.00218	.0104	.0302	.0009
%RSD	.69228	.08326	.05258	.12220	.19727	.65033	.59868	.46361	.05421
#1	46.227	.46584	11.815	.46329	2.1407	.33601	1.7494	6.4862	1.6787
#2	45.777	.46639	11.824	.46409	2.1467	.33293	1.7346	6.5288	1.6774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98401**	**.91643**	**4.8625**	**1.6573**	**1.5947**	**.61453**	**.62993**	**.49125**
Stddev	.00082	.00405	.0054	.0026	.0430	.00002	.00052	.00071
%RSD	.08371	.44158	.11036	.15415	2.6936	.00279	.08267	.14493
#1	.98343	.91929	4.8663	1.6591	1.5643	.61452	.62956	.49176
#2	.98460	.91356	4.8587	1.6555	1.6250	.61454	.63030	.49075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5547.0**	**92328.**	**7456.6**
Stddev	10.0	24.	5.1
%RSD	.17998	.02638	.06898
#1	5539.9	92310.	7452.9
#2	5554.0	92345.	7460.2

Sample Name: 280-62301-D-1-C MSD Acquired: 11/17/2014 18:37:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252498 6010C Q4 soil *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04659**	**76.113**	**.86021**	**.89418**	**2.2580**	**.04484**	**1.9439**	**73.029**	**.08377**
Stddev	.00013	.092	.00297	.00154	.0056	.00000	.0047	.251	.00010
%RSD	.28756	.12115	.34474	.17261	.24960	.00301	.24300	.34415	.11350
#1	.04649	76.048	.86231	.89309	2.2540	.04484	1.9472	72.851	.08370
#2	.04668	76.178	.85811	.89527	2.2620	.04484	1.9405	73.207	.08384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44208**	**.24832**	**.28569**	**97.454**	**62.032**	**.98174**	**62.961**	**1.8879**	**.89697**
Stddev	.00001	.00091	.00128	.334	.155	.00091	.033	.0003	.00071
%RSD	.00196	.36657	.44656	.34242	.24984	.09234	.05220	.01540	.07964
#1	.44209	.24767	.28479	97.218	61.923	.98109	62.938	1.8881	.89646
#2	.44207	.24896	.28659	97.690	62.142	.98238	62.985	1.8877	.89747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.078**	**.46718**	**12.820**	**.46671**	**2.1244**	**.34294**	**1.7479**	**6.5751**	**1.6839**
Stddev	.361	.00040	.009	.00067	.0007	.00062	.0023	.0388	.0001
%RSD	.78399	.08630	.06763	.14318	.03466	.17988	.13129	.59028	.00410
#1	45.823	.46747	12.826	.46718	2.1239	.34250	1.7463	6.5476	1.6839
#2	46.334	.46690	12.813	.46623	2.1249	.34337	1.7495	6.6025	1.6838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0053**	**.92772**	**4.2999**	**1.6584**	**1.5635**	**.61576**	**.63817**	**.48147**
Stddev	.0031	.00375	.0010	.0015	.0414	.00037	.00080	.00046
%RSD	.30322	.40473	.02294	.09281	2.6490	.06010	.12465	.09501
#1	1.0031	.93038	4.3006	1.6573	1.5342	.61602	.63761	.48115
#2	1.0074	.92507	4.2992	1.6595	1.5928	.61550	.63873	.48179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5632.6**	**93980.**	**7636.5**
Stddev	17.3	228.	2.7
%RSD	.30749	.24254	.03526
#1	5644.8	94141.	7634.5
#2	5620.3	93818.	7638.4

Sample Name: 280-62301-D-1-A PDS Acquired: 11/17/2014 18:40:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252498 6010C Q4 soil *Ag

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03802**	**54.855**	**.20070**	**.11647**	**.54785**	**.04549**	**.05749**	**44.679**	**.04497**
Stddev	.00018	.142	.00227	.00107	.00152	.00001	.00164	.094	.00005
%RSD	.46142	.25834	1.1291	.91955	.27716	.02083	2.8485	.21132	.11759
#1	.03814	54.955	.20231	.11723	.54892	.04548	.05633	44.746	.04493
#2	.03789	54.755	.19910	.11572	.54677	.04550	.05865	44.612	.04500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06829**	**.12071**	**.11129**	**97.047**	**31.296**	**.17695**	**38.357**	**1.4837**	**.04915**
Stddev	.00025	.00005	.00045	.350	.082	.00076	.074	.0037	.00037
%RSD	.36332	.03978	.40719	.36074	.26266	.42905	.19224	.25046	.74529
#1	.06812	.12075	.11097	97.295	31.354	.17749	38.305	1.4810	.04889
#2	.06847	.12068	.11161	96.800	31.238	.17641	38.409	1.4863	.04941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.595**	**.10000**	**5.0429**	**.13252**	**.36529**	**.08727**	**.17527**	**7.0236**	**.09750**
Stddev	.060	.00010	.0074	.00199	.00083	.00132	.00314	.0055	.00032
%RSD	.30730	.09622	.14711	1.5025	.22598	1.5069	1.7893	.07890	.32523
#1	19.637	.09993	5.0376	.13111	.36470	.08820	.17306	7.0275	.09773
#2	19.552	.10006	5.0481	.13392	.36587	.08634	.17749	7.0196	.09728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15288**	**.24236**	**2.9009**	**.18034**	**.26233**	**.20931**	**.40036**	**.08906**
Stddev	.00035	.00239	.0105	.00031	.00078	.00147	.00012	.00037
%RSD	.22752	.98786	.36227	.17341	.29901	.70315	.03038	.41755
#1	.15312	.24066	2.8935	.18012	.26177	.20827	.40028	.08880
#2	.15263	.24405	2.9084	.18056	.26288	.21035	.40045	.08932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5690.4**	**95108.**	**7565.6**
Stddev	12.9	163.	1.9
%RSD	.22608	.17126	.02572
#1	5699.5	95223.	7567.0
#2	5681.3	94993.	7564.2

Sample Name: ccvh-2982968 Acquired: 11/17/2014 18:42:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00679**	**49.382**	**-.00421**	**.00589**	**.00093**	**-.00002**	**1.0471**	**-.02857**	**-.00038**	**.00163**	**.00039**	**-.00233**	**48.786**
Stddev	.00011	.010	.00279	.00117	.00019	.00003	.0009	.00540	.00004	.00009	.00006	.00019	.052
%RSD	1.6486	.01932	66.321	19.904	20.633	116.36	.08427	18.889	11.344	5.7122	14.844	7.9717	.10712
#1	.00687	49.389	-.00619	.00672	.00106	-.00004	1.0477	-.02475	-.00035	.00157	.00035	-.00246	48.823
#2	.00672	49.375	-.00224	.00506	.00079	-.00000	1.0465	-.03239	-.00041	.00170	.00043	-.00220	48.749
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35479**	**.00261**	**.13906**	**-.00280**	**-.00163**	**251.66**	**.00061**	**.00452**	**.00290**	**5.1224**	**-.00166**	**.00266**	**-.02241**
Stddev	.02222	.00207	.00127	.00003	.00015	.37	.00036	.00304	.00035	.0078	.00009	.00077	.00550
%RSD	6.2633	79.236	.91144	1.1690	9.4361	.14753	58.554	67.252	11.983	.15290	5.4276	28.926	24.530
#1	.37050	.00115	.13817	-.00282	-.00152	251.92	.00036	.00237	.00265	5.1280	-.00160	.00320	-.01853
#2	.33908	.00407	.13996	-.00278	-.00174	251.40	.00087	.00667	.00314	5.1169	-.00173	.00212	-.02630
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**.00041**	**4.7660**	**-.02249**	**.00188**	**9.8577**	**.00409**	**-.00086**	**-.03625**
Stddev	.00033	.00004	.0017	.00021	.00164	.0191	.00025	.00082	.00157
%RSD	20.333	9.1322	.03630	.94862	87.067	.19334	6.1060	94.796	4.3236
#1	.00184	.00038	4.7672	-.02234	.00304	9.8712	.00427	-.00144	-.03514
#2	.00138	.00043	4.7648	-.02264	.00072	9.8443	.00391	-.00028	-.03736
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5091.1**	**84442.**	**6695.2**
Stddev	6.8	366.	15.3
%RSD	.13282	.43323	.22866
#1	5095.9	84183.	6684.4
#2	5086.3	84700.	6706.0

Sample Name: ccv-2984587 Acquired: 11/17/2014 18:45:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50807**	**.51157**	**.98902**	**.50881**	**.49974**	**.48521**	**.00568**	**4.9022**	**.50254**	**.49431**	**.48923**	**.50529**
Stddev	.00062	.00125	.00511	.00120	.00120	.00027	.00095	.0112	.00113	.00082	.00025	.00172
%RSD	.12219	.24385	.51702	.23573	.23985	.05530	16.682	.22768	.22470	.16626	.05150	.34048
#1	.50851	.51245	.99264	.50966	.49889	.48502	.00634	4.9101	.50334	.49373	.48905	.50650
#2	.50763	.51068	.98541	.50797	.50059	.48540	.00501	4.8943	.50174	.49489	.48941	.50407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4591**	**49.460**	**1.0153**	**19.515**	**.48936**	**.50155**	F **5.6691**	**.49402**	**.98576**	**1.0049**	**.05207**	**1.0274**
Stddev	.0097	.065	.0032	.031	.00014	.00022	.0024	.00044	.00040	.0008	.00009	.0048
%RSD	.39358	.13150	.31852	.16108	.02803	.04482	.04293	.09003	.04084	.08048	.18036	.46862
#1	2.4660	49.506	1.0130	19.493	.48946	.50171	5.6709	.49371	.98604	1.0055	.05214	1.0308
#2	2.4523	49.414	1.0176	19.538	.48927	.50139	5.6674	.49434	.98547	1.0043	.05201	1.0240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0381**	**4.8167**	**1.0030**	**.49243**	**.02520**	**.49085**	**1.0266**	**.02592**	**.48434**	**.47605**	**.48967**
Stddev	.0005	.0163	.0010	.00036	.00188	.00119	.0007	.00570	.00007	.00093	.00147
%RSD	.05101	.33785	.09823	.07399	7.4656	.24296	.07018	22.011	.01418	.19606	.30059
#1	1.0385	4.8052	1.0024	.49269	.02653	.49000	1.0271	.02188	.48429	.47539	.49071
#2	1.0377	4.8282	1.0037	.49217	.02387	.49169	1.0261	.02995	.48439	.47671	.48863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5199.0**	**86846.**	**6737.2**
Stddev	8.1	352.	60.9
%RSD	.15515	.40559	.90435
#1	5204.7	87095.	6780.3
#2	5193.3	86597.	6694.1

Sample Name: CCB Acquired: 11/17/2014 18:47:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00516**	**.00063**	F **.00377**	**.00019**	**.00013**	**.00079**	**-.00477**	**.00041**	**-.00009**	**-.00013**	**.00011**
Stddev	.00070	.00056	.00410	.00073	.00003	.00002	.00124	.00032	.00008	.00021	.00012	.00033
%RSD	95.623	10.885	647.13	19.483	18.169	14.254	155.92	6.7407	19.060	237.20	92.097	294.47
#1	.00024	-.00476	-.00226	.00429	.00017	.00012	.00167	-.00454	.00046	.00006	-.00005	.00034
#2	.00122	-.00556	.00353	.00325	.00022	.00015	-.00008	-.00500	.00035	-.00024	-.00022	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00594**	F **.25740**	W **.00290**	**.00547**	**.00012**	**.00011**	F **.57801**	**-.00023**	**.00061**	**.00041**	**.04797**	**.00094**
Stddev	.00127	.01543	.00120	.00322	.00004	.00004	.00506	.00010	.00145	.00198	.00260	.00073
%RSD	21.384	5.9958	41.440	58.829	33.939	36.232	.87611	42.011	239.19	482.02	5.4106	78.209
#1	.00504	.24648	.00205	.00775	.00009	.00008	.58159	-.00016	-.00042	.00181	.04980	.00146
#2	.00684	.26831	.00375	.00319	.00015	.00014	.57443	-.00030	.00164	-.00099	.04613	.00042
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000	.00261				.20152					
Low Limit		-.25000	-.00261				-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**-.00680**	**.00027**	**.00022**	**.00294**	**.00052**	**.00064**	**-.00404**	**.00011**	**-.00074**	**-.00109**
Stddev	.00012	.01613	.00083	.00010	.00054	.00021	.00104	.02605	.00030	.00018	.00066
%RSD	11.806	237.06	312.55	47.497	18.403	40.577	161.64	645.52	269.76	24.598	60.204
#1	.00113	-.01821	.00085	.00014	.00332	.00066	.00138	-.02246	-.00010	-.00061	-.00155
#2	.00095	.00460	-.00032	.00029	.00256	.00037	-.00009	.01439	.00033	-.00087	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5250.3**	**88327.**	**6685.2**
Stddev	8.2	205.	33.7
%RSD	.15612	.23263	.50440
#1	5256.1	88181.	6661.3
#2	5244.5	88472.	6709.0

Sample Name: CCVL2994499 Acquired: 11/17/2014 18:50:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01139**	**.10180**	**.01298**	**.10513**	**.01023**	**.00095**	**.11245**	**.20193**	**.00543**	**.01045**	**.00999**	**.01641**
Stddev	.00006	.00034	.00137	.00048	.00033	.00002	.00066	.00231	.00004	.00018	.00023	.00013
%RSD	.54034	.33121	10.538	.46020	3.1906	2.1938	.58615	1.1445	.67131	1.7368	2.2719	.76179
#1	.01143	.10156	.01395	.10547	.01000	.00094	.11198	.20029	.00541	.01057	.01015	.01632
#2	.01134	.10204	.01202	.10479	.01046	.00097	.11291	.20356	.00546	.01032	.00983	.01650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10307**	**3.3291**	F **.01341**	**.21726**	**.01028**	**.02035**	F **1.6416**	**.04094**	**2.9419**	W **.01140**	**.04698**	**.01075**
Stddev	.00188	.0193	.00069	.00029	.00007	.00008	.0443	.00017	.0032	.00025	.00580	.00116
%RSD	1.8221	.57989	5.1370	.13403	.63370	.40023	2.7003	.42450	.10902	2.2278	12.350	10.806
#1	.10440	3.3154	.01390	.21747	.01033	.02029	1.6729	.04081	2.9396	.01158	.04288	.01157
#2	.10174	3.3427	.01292	.21706	.01024	.02041	1.6102	.04106	2.9442	.01122	.05109	.00993
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value			.01000				1.0000			.00900		
Range			30.000%				30.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01615**	**.49267**	**.10334**	**.01032**	**.01679**	**.01053**	**.01696**	F **.08369**	**.00973**	**.01957**	**.01442**
Stddev	.00075	.00036	.00037	.00001	.00030	.00019	.00199	.04051	.00019	.00045	.00247
%RSD	4.6485	.07382	.36287	.05647	1.7723	1.7849	11.709	48.403	2.0025	2.3064	17.107
#1	.01668	.49293	.10361	.01031	.01700	.01039	.01837	.05505	.00959	.01989	.01616
#2	.01562	.49242	.10308	.01032	.01658	.01066	.01556	.11234	.00986	.01925	.01268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5253.9**	**88273.**	**6735.0**
Stddev	4.3	73.	9.8
%RSD	.08263	.08234	.14588
#1	5257.0	88324.	6741.9
#2	5250.8	88221.	6728.1

Sample Name: MB 280-252055/1-A Acquired: 11/17/2014 18:52:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/14 Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00008**	**-.00284**	**.00231**	**.00033**	**-.00001**	**-.00033**	**.01303**	**.00006**
Stddev	.00051	.00019	.00016	.00006	.00007	.00002	.00220	.00056	.00004
%RSD	77.794	234.51	5.5559	2.6423	20.984	305.31	662.53	4.2913	72.793
#1	.00029	-.00022	-.00273	.00235	.00028	.00001	.00122	.01343	.00003
#2	.00101	.00005	-.00295	.00226	.00037	-.00002	-.00189	.01264	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00036**	**.00116**	**.01930**	**.26002**	**.00147**	**.00593**	**.00042**	**.00003**
Stddev	.00014	.00014	.00010	.00016	.01407	.00059	.00290	.00005	.00001
%RSD	67.520	39.106	8.3399	.81979	5.4109	39.838	48.934	10.761	29.632
#1	-.00010	.00046	.00123	.01919	.26997	.00106	.00798	.00045	.00003
#2	-.00030	.00026	.00109	.01941	.25008	.00188	.00388	.00039	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.56857**	**.00007**	F **.01359**	**.00161**	**.04295**	**.00082**	**-.00074**	**.02868**	**.00846**
Stddev	.00010	.00045	.00114	.00088	.00376	.00107	.00039	.00115	.00064
%RSD	.01688	676.78	8.3878	54.393	8.7574	129.97	52.368	3.9949	7.5293
#1	.56850	.00038	.01439	.00099	.04561	.00007	-.00102	.02949	.00891
#2	.56864	-.00025	.01278	.00223	.04029	.00158	-.00047	.02787	.00801
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.50000		.01000						
Low Limit	-.50000		-.01000						

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00463**	**.00100**	**.00032**	**-.00429**	**-.00028**	**.00015**	**-.00056**
Stddev	.00008	.00013	.00022	.00045	.00441	.00021	.00003	.00251
%RSD	85.334	2.9027	21.605	140.38	102.77	74.746	18.477	445.80
#1	.00004	.00472	.00116	.00064	-.00742	-.00043	.00017	.00121
#2	.00015	.00453	.00085	.00000	-.00117	-.00013	.00013	-.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5327.5**	**90096.**	**6820.7**
Stddev	6.7	286.	12.8
%RSD	.12522	.31791	.18827
#1	5332.2	89893.	6829.8
#2	5322.8	90298.	6811.6

Sample Name: LCS 280-252055/2-A Acquired: 11/17/2014 18:55:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05556**	**1.9246**	**.97468**	**1.0267**	**1.9242**	**.04685**	**2.1493**	**47.697**	**.09527**
Stddev	.00084	.0088	.00056	.0019	.0002	.00022	.0035	.120	.00011
%RSD	1.5151	.45841	.05790	.18038	.00970	.47747	.16475	.25084	.11495
#1	.05497	1.9309	.97428	1.0280	1.9240	.04701	2.1468	47.781	.09535
#2	.05616	1.9184	.97508	1.0254	1.9243	.04669	2.1518	47.612	.09519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47192**	**.18744**	**.24349**	**.97674**	**48.703**	**.97790**	**47.529**	**.46902**	**1.0147**
Stddev	.00053	.00069	.00042	.00809	.015	.00130	.012	.00051	.0015
%RSD	.11269	.36710	.17117	.82791	.03126	.13323	.02489	.10834	.14616
#1	.47230	.18793	.24319	.98246	48.692	.97883	47.537	.46938	1.0157
#2	.47154	.18695	.24378	.97102	48.714	.97698	47.520	.46866	1.0136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.952**	**.46965**	**10.310**	**.48846**	**2.1504**	**.52638**	**2.1596**	F **.08461**	**1.9788**
Stddev	.409	.00074	.018	.00009	.0039	.00264	.0079	.00896	.0032
%RSD	.81891	.15671	.17038	.01891	.17936	.50109	.36632	10.595	.16210
#1	50.241	.47017	10.322	.48853	2.1531	.52824	2.1540	.07827	1.9811
#2	49.662	.46913	10.297	.48840	2.1476	.52451	2.1652	.09095	1.9765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								7.0000	
Low Limit								1.0000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94783**	**.92497**	**.96149**	**1.9651**	**1.9479**	**.47000**	**.46112**	**.47020**
Stddev	.00120	.00134	.00067	.0035	.0101	.00054	.00062	.00133
%RSD	.12666	.14534	.07015	.17652	.51591	.11463	.13540	.28191
#1	.94868	.92592	.96197	1.9675	1.9550	.46962	.46156	.47114
#2	.94698	.92401	.96102	1.9626	1.9408	.47038	.46068	.46926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5070.7**	**85265.**	**6682.5**
Stddev	3.3	36.	22.6
%RSD	.06555	.04266	.33776
#1	5073.1	85291.	6666.6
#2	5068.4	85239.	6698.5

Sample Name: 280-62242-A-1-A Acquired: 11/17/2014 18:58:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**71.201**	**.02873**	**.02237**	**1.2375**	**-.00114**	**.14436**	**15.314**	**.00125**
Stddev	.00013	.063	.00021	.00019	.0037	.00002	.00420	.025	.00002
%RSD	5.0406	.08906	.72112	.83059	.30020	1.6163	2.9064	.16295	1.3122
#1	.00244	71.156	.02888	.02250	1.2349	-.00115	.14733	15.296	.00124
#2	.00262	71.246	.02859	.02224	1.2401	-.00112	.14139	15.331	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05044**	**1.5517**	**.14731**	**133.55**	**9.9067**	**.06913**	**20.572**	**3.6793**	**.00442**
Stddev	.00005	.0002	.00037	.24	.0362	.00018	.030	.0050	.00011
%RSD	.10061	.01278	.24984	.18001	.36536	.26012	.14636	.13666	2.4687
#1	.05041	1.5518	.14757	133.38	9.8811	.06926	20.593	3.6828	.00435
#2	.05048	1.5515	.14705	133.72	9.9322	.06901	20.551	3.6757	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5219**	**.32622**	**6.3450**	**2.4276**	**1.3118**	**.00342**	**.00199**	**2.8298**	**.03153**
Stddev	.0043	.00087	.0070	.0001	.0056	.00162	.00692	.0484	.00042
%RSD	.17141	.26606	.11017	.00440	.42526	47.455	347.60	1.7097	1.3407
#1	2.5250	.32683	6.3400	2.4276	1.3079	.00457	-.00290	2.7956	.03123
#2	2.5189	.32561	6.3499	2.4277	1.3158	.00227	.00688	2.8640	.03183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11201**	**.87791**	**6.0685**	**.00969**	W **-.08705**	**.38566**	**.27592**	**.34203**
Stddev	.00035	.00230	.0008	.00247	.01102	.00171	.00012	.00387
%RSD	.31645	.26174	.01324	25.497	12.663	.44328	.04301	1.1327
#1	.11176	.87628	6.0680	.01143	-.07925	.38686	.27600	.33929
#2	.11226	.87953	6.0691	.00794	-.09484	.38445	.27583	.34477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					45.000			
Low Limit					-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5328.3**	**88957.**	**7001.1**
Stddev	5.5	54.	15.6
%RSD	.10298	.06125	.22286
#1	5324.4	88918.	6990.1
#2	5332.2	88995.	7012.2

Sample Name: 280-62242-A-2-A Acquired: 11/17/2014 19:00:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**67.795**	**.02587**	**.01918**	**1.2270**	**-.00021**	**.09815**	**20.820**	**.00139**
Stddev	.00059	.098	.00237	.00035	.0009	.00007	.00224	.010	.00008
%RSD	53.585	.14433	9.1527	1.8350	.07032	32.775	2.2829	.04824	5.5260
#1	.00152	67.726	.02755	.01893	1.2264	-.00016	.09657	20.827	.00134
#2	.00068	67.864	.02420	.01943	1.2276	-.00025	.09974	20.813	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04686**	**.19585**	**.11228**	**131.43**	**10.488**	**.08801**	**28.162**	**3.1272**	**.00176**
Stddev	.00022	.00026	.00075	.05	.002	.00042	.066	.0036	.00021
%RSD	.47200	.13099	.67205	.03499	.02322	.47378	.23349	.11396	12.076
#1	.04670	.19567	.11281	131.47	10.487	.08772	28.209	3.1297	.00191
#2	.04701	.19603	.11175	131.40	10.490	.08831	28.116	3.1247	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2972**	**.19235**	**3.3022**	**.20825**	**1.6729**	**.01635**	**-.00157**	**3.4251**	**.00912**
Stddev	.0049	.00003	.0090	.00173	.0046	.00216	.00086	.0355	.00023
%RSD	.11349	.01603	.27340	.83071	.27564	13.203	54.847	1.0360	2.5427
#1	4.3007	.19232	3.2958	.20703	1.6762	.01787	-.00096	3.4000	.00896
#2	4.2938	.19237	3.3086	.20947	1.6697	.01482	-.00218	3.4502	.00928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14542**	**.04731**	**4.4400**	**.00836**	**.03536**	**.26445**	**.30977**	**.05560**
Stddev	.00004	.00143	.0055	.00041	.02937	.00034	.00066	.00309
%RSD	.03032	3.0270	.12348	4.9291	83.053	.12728	.21393	5.5625
#1	.14545	.04630	4.4439	.00865	.01459	.26469	.31024	.05779
#2	.14539	.04833	4.4361	.00807	.05613	.26421	.30931	.05341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5336.1**	**88502.**	**6917.9**
Stddev	2.2	198.	5.0
%RSD	.04164	.22343	.07265
#1	5334.5	88362.	6921.5
#2	5337.7	88642.	6914.4

Sample Name: 280-62242-A-3-A Acquired: 11/17/2014 19:03:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**87.938**	**.02731**	**.02989**	**.60290**	**.00015**	**.11728**	**22.221**	**.00343**
Stddev	.00021	.200	.00099	.00004	.00193	.00001	.00144	.046	.00022
%RSD	13.516	.22716	3.6308	.12053	.32007	6.1881	1.2302	.20760	6.2809
#1	.00171	88.079	.02661	.02992	.60426	.00014	.11830	22.253	.00327
#2	.00141	87.796	.02801	.02987	.60154	.00015	.11626	22.188	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05206**	**.21511**	**.11964**	**142.50**	**14.294**	**.08166**	**27.532**	**3.3104**	**.00106**
Stddev	.00036	.00006	.00081	.10	.014	.00063	.016	.0039	.00005
%RSD	.69912	.02859	.67481	.07352	.09472	.77371	.05789	.11736	4.2553
#1	.05180	.21515	.12021	142.42	14.304	.08211	27.543	3.3076	.00109
#2	.05231	.21507	.11907	142.57	14.285	.08121	27.521	3.3131	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9120**	**.21896**	**3.1466**	**.90712**	**.92895**	**-.00301**	**-.00106**	**3.2926**	**.00871**
Stddev	.0131	.00027	.0044	.00202	.00948	.00080	.00135	.0712	.00098
%RSD	.68733	.12460	.13919	.22252	1.0202	26.653	127.07	2.1621	11.196
#1	1.9213	.21877	3.1435	.90570	.93565	-.00245	-.00202	3.3430	.00802
#2	1.9027	.21915	3.1497	.90855	.92225	-.00358	-.00011	3.2423	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14448**	**.07069**	**4.9297**	**.01119**	**-.01140**	**.35975**	**.27444**	**.07007**
Stddev	.00036	.00035	.0046	.00063	.01352	.00045	.00095	.00118
%RSD	.24730	.48863	.09262	5.6490	118.62	.12439	.34567	1.6829
#1	.14473	.07044	4.9329	.01074	-.00184	.35944	.27377	.06924
#2	.14423	.07093	4.9264	.01164	-.02096	.36007	.27512	.07090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5299.6**	**88256.**	**7007.9**
Stddev	21.0	279.	12.4
%RSD	.39538	.31576	.17630
#1	5314.4	88453.	6999.1
#2	5284.8	88059.	7016.6

Sample Name: 280-62242-A-4-A Acquired: 11/17/2014 19:05:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00700**	**61.968**	**.01713**	**.02561**	**.74929**	F **-.00687**	**.38407**	**17.713**	**.00445**
Stddev	.00013	.018	.00196	.00009	.00076	.00014	.00744	.001	.00013
%RSD	1.8335	.02887	11.419	.34793	.10161	1.9698	1.9384	.00716	3.0071
#1	.00691	61.981	.01851	.02554	.74983	-.00696	.37881	17.714	.00454
#2	.00709	61.955	.01575	.02567	.74875	-.00677	.38934	17.713	.00435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						20.000			
Low Limit						-.00400			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06336**	**.51706**	**.14672**	**111.71**	**9.9543**	**.07810**	**20.438**	**4.6543**	**.01645**
Stddev	.00020	.00050	.00017	.24	.0171	.00212	.020	.0009	.00019
%RSD	.31366	.09584	.11358	.21168	.17215	2.7179	.09926	.01906	1.1772
#1	.06350	.51741	.14684	111.87	9.9664	.07960	20.424	4.6549	.01632
#2	.06322	.51671	.14661	111.54	9.9421	.07660	20.453	4.6536	.01659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7221**	**3.6662**	**3.0847**	**9.3279**	**1.8675**	**-.00130**	**-.00321**	**2.8937**	**.20515**
Stddev	.0034	.0025	.0011	.0065	.0061	.00026	.00190	.0510	.00045
%RSD	.07104	.06877	.03644	.07002	.32477	19.837	59.056	1.7628	.21742
#1	4.7245	3.6680	3.0855	9.3233	1.8718	-.00112	-.00187	2.9297	.20547
#2	4.7197	3.6644	3.0839	9.3325	1.8632	-.00149	-.00455	2.8576	.20484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16187**	**.07595**	W **16.892**	**.01922**	**-.03769**	**.87066**	**.61918**	**1.2378**
Stddev	.00004	.00238	.112	.00168	.00197	.00188	.00100	.0023
%RSD	.02309	3.1404	.66200	8.7435	5.2337	.21609	.16230	.18232
#1	.16190	.07763	16.813	.02041	-.03909	.86933	.61989	1.2362
#2	.16184	.07426	16.972	.01803	-.03630	.87199	.61847	1.2394
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000					
Low Limit			-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5284.2**	**86932.**	**6750.0**
Stddev	15.7	453.	22.5
%RSD	.29628	.52080	.33344
#1	5295.2	87252.	6765.9
#2	5273.1	86612.	6734.1

Sample Name: 280-62242-A-7-A Acquired: 11/17/2014 19:08:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00212**	**65.362**	**.02238**	**.01862**	**.63156**	**-.00130**	**.13027**	**19.712**	**.00287**
Stddev	.00080	.205	.00169	.00041	.00135	.00007	.00105	.051	.00008
%RSD	37.618	.31326	7.5363	2.1859	.21302	5.3118	.80782	.26047	2.9256
#1	.00269	65.217	.02119	.01833	.63060	-.00125	.12953	19.676	.00293
#2	.00156	65.507	.02357	.01891	.63251	-.00135	.13102	19.748	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04205**	**.28423**	**.14399**	**116.93**	**8.3833**	**.05626**	**19.391**	**1.9799**	**.00412**
Stddev	.00009	.00040	.00023	.16	.0717	.00198	.010	.0020	.00002
%RSD	.20949	.13977	.16307	.13894	.85499	3.5252	.04942	.10081	.52403
#1	.04211	.28395	.14416	116.81	8.3326	.05766	19.398	1.9785	.00410
#2	.04199	.28451	.14382	117.04	8.4339	.05486	19.385	1.9813	.00414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9333**	**.20436**	**2.9643**	**.67529**	**1.4749**	**.02388**	**.00216**	**2.8671**	**.01778**
Stddev	.0148	.00101	.0120	.00061	.0031	.00225	.00028	.0101	.00081
%RSD	.76691	.49516	.40557	.08977	.21234	9.4237	12.789	.35367	4.5767
#1	1.9229	.20508	2.9728	.67571	1.4771	.02229	.00235	2.8599	.01835
#2	1.9438	.20365	2.9558	.67486	1.4727	.02547	.00196	2.8743	.01720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10625**	**.10484**	**5.9204**	**.00955**	**.03527**	**.40512**	**.31043**	**.26208**
Stddev	.00047	.00021	.0177	.00045	.02905	.00057	.00165	.00059
%RSD	.43876	.20113	.29855	4.7106	82.355	.13972	.53119	.22332
#1	.10592	.10499	5.9079	.00923	.01473	.40472	.30926	.26249
#2	.10658	.10469	5.9329	.00986	.05581	.40552	.31160	.26166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5231.6**	**86426.**	**6715.2**
Stddev	1.7	303.	99.7
%RSD	.03323	.35025	1.4847
#1	5230.4	86640.	6785.6
#2	5232.8	86212.	6644.7

Sample Name: ccvh-2982968 Acquired: 11/17/2014 19:11:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00681**	**50.120**	**-.00481**	**.00294**	**.00071**	**.00002**	**1.0309**	**-.03152**	**-.00061**	**.00171**	**.00043**	**-.00273**	**49.335**
Stddev	.00035	.089	.00042	.00063	.00005	.00001	.0031	.00147	.00002	.00008	.00007	.00021	.318
%RSD	5.1073	.17676	8.7864	21.544	7.4775	37.108	.29664	4.6682	3.8429	4.8350	17.229	7.6399	.64362
#1	.00656	50.057	-.00451	.00339	.00067	.00003	1.0331	-.03256	-.00062	.00177	.00049	-.00258	49.110
#2	.00706	50.182	-.00511	.00250	.00075	.00002	1.0288	-.03048	-.00059	.00166	.00038	-.00287	49.559
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21472**	**.00324**	**.13160**	**-.00263**	**-.00170**	**253.64**	**.00114**	**.00362**	**.00359**	**5.0267**	**-.00114**	**.00184**	**-.00291**
Stddev	.01638	.00166	.00160	.00002	.00005	.30	.00036	.00040	.00109	.0025	.00108	.00655	.01791
%RSD	7.6286	51.236	1.2192	.89021	2.9310	.11857	31.309	10.966	30.242	.04979	94.170	356.72	616.46
#1	.22631	.00441	.13274	-.00262	-.00173	253.43	.00139	.00334	.00282	5.0249	-.00038	.00647	.00976
#2	.20314	.00206	.13047	-.00265	-.00166	253.86	.00089	.00390	.00436	5.0284	-.00191	-.00280	-.01557
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00028**	**4.7224**	**-.02059**	**.00116**	**9.7865**	**.00420**	**-.00003**	**-.03620**
Stddev	.00031	.00001	.0053	.00027	.00117	.0084	.00017	.00072	.00123
%RSD	23.711	3.9228	.11266	1.3274	101.15	.08624	4.0533	2369.3	3.3978
#1	.00155	.00029	4.7187	-.02039	.00033	9.7806	.00432	.00048	-.03533
#2	.00110	.00027	4.7262	-.02078	.00198	9.7925	.00408	-.00054	-.03707
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4964.0**	**82362.**	**6399.4**
Stddev	13.3	235.	68.4
%RSD	.26829	.28576	1.0695
#1	4954.6	82196.	6447.8
#2	4973.4	82529.	6351.0

Sample Name: ccv-2984587 Acquired: 11/17/2014 19:13:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50666**	**.52184**	**.98112**	**.50301**	**.49965**	**.48681**	**.00736**	**4.9757**	**.49687**	**.49669**	**.49044**	**.49079**	**2.5021**	**49.651**
Stddev	.00200	.00177	.00101	.00056	.00031	.00001	.00045	.0036	.00087	.00018	.00024	.00183	.0043	.049
%RSD	.39493	.34013	.10310	.11173	.06257	.00155	6.0804	.07163	.17412	.03619	.04844	.37370	.17068	.09785
#1	.50524	.52058	.98184	.50262	.49943	.48680	.00767	4.9732	.49748	.49656	.49027	.48949	2.4991	49.616
#2	.50807	.52309	.98041	.50341	.49987	.48681	.00704	4.9782	.49626	.49681	.49060	.49208	2.5051	49.685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0126**	**19.563**	**.49582**	**.50803**	**5.4902**	**.49563**	**.97856**	**1.0087**	**.02757**	**1.0168**	**1.0349**	**4.9048**	**1.0134**	**.48969**
Stddev	.0018	.055	.00021	.00137	.0176	.00015	.00185	.0012	.00295	.0034	.0012	.0013	.0021	.00025
%RSD	.17980	.28138	.04299	.27016	.32001	.03085	.18914	.11652	10.684	.33219	.11652	.02669	.20604	.05045
#1	1.0139	19.524	.49567	.50706	5.5026	.49574	.97987	1.0079	.02549	1.0192	1.0340	4.9039	1.0120	.48951
#2	1.0113	19.602	.49598	.50900	5.4778	.49552	.97725	1.0095	.02965	1.0145	1.0357	4.9057	1.0149	.48986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02626**	**.49608**	**1.0273**	**.01061**	**.48949**	**.48532**	**.48697**
Stddev	.00053	.00163	.0031	.02003	.00033	.00021	.00147
%RSD	2.0231	.32833	.29881	188.82	.06676	.04345	.30247
#1	.02588	.49492	1.0295	-.00356	.48926	.48517	.48593
#2	.02664	.49723	1.0251	.02477	.48972	.48547	.48801
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5033.5**	**83943.**	**6291.2**
Stddev	28.2	5.	101.4
%RSD	.56006	.00640	1.6119
#1	5053.4	83939.	6362.9
#2	5013.5	83947.	6219.5

Sample Name: CCB Acquired: 11/17/2014 19:16:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00124**	**-.00155**	W **.00187**	**.00040**	**.00015**	**.00083**	**-.00532**	**.00025**	**.00010**	**-.00020**
Stddev	.00048	.00041	.00211	.00015	.00007	.00003	.00173	.00169	.00010	.00036	.00014
%RSD	114.91	33.337	136.19	7.9837	16.935	17.074	208.90	31.757	40.674	372.87	67.330
#1	.00076	-.00095	-.00304	.00176	.00035	.00016	.00205	-.00652	.00032	-.00016	-.00011
#2	.00008	-.00153	-.00006	.00197	.00045	.00013	-.00039	-.00413	.00018	.00035	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.01242**	**.14656**	**.00245**	**.00785**	**.00024**	**.00024**	F **.35425**	**-.00015**	**.00077**	**.00087**
Stddev	.00007	.00038	.07370	.00200	.00345	.00002	.00026	.00867	.00006	.00240	.00115
%RSD	29.722	3.0525	50.289	81.632	44.027	9.1396	110.32	2.4475	38.301	311.26	132.15
#1	-.00018	.01215	.09444	.00103	.01029	.00026	.00042	.36038	-.00011	-.00092	.00006
#2	-.00028	.01269	.19867	.00386	.00540	.00023	.00005	.34812	-.00019	.00247	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.20152			
Low Limit								-.20152			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02118**	**-.00014**	**-.00033**	**-.01107**	**-.00019**	**.00008**	**.00380**	W **.00107**	**.00037**	**.00340**	**-.00037**
Stddev	.00444	.00029	.00021	.00026	.00035	.00011	.00257	.00030	.00081	.00506	.00059
%RSD	20.946	209.40	64.193	2.3687	182.51	142.43	67.761	28.264	219.50	148.56	158.56
#1	.01804	-.00035	-.00049	-.01126	-.00044	-.00000	.00561	.00128	-.00020	.00698	.00004
#2	.02431	.00007	-.00018	-.01089	.00006	.00016	.00198	.00086	.00094	-.00017	-.00078
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.00060			
Low Limit								-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00103**	W **-.00298**
Stddev	.00002	.00019
%RSD	1.7636	6.3134
#1	-.00105	-.00285
#2	-.00102	-.00311
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5058.7**	**85717.**	**6127.4**
Stddev	7.0	792.	159.1
%RSD	.13900	.92443	2.5967
#1	5063.7	86277.	6014.8
#2	5053.7	85156.	6239.9

Sample Name: CCVL2994499 Acquired: 11/17/2014 19:18:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01186**	**.10577**	**.01487**	**.10282**	**.01068**	**.00113**	**.11698**	**.20702**	**.00538**	**.01061**	**.01032**	**.01519**
Stddev	.00007	.00034	.00161	.00012	.00007	.00001	.00100	.00034	.00010	.00010	.00020	.00015
%RSD	.60144	.32184	10.833	.11486	.68289	.59421	.85241	.16568	1.8198	.92098	1.8973	.98445
#1	.01181	.10601	.01601	.10290	.01073	.00112	.11628	.20678	.00531	.01068	.01018	.01509
#2	.01192	.10553	.01373	.10274	.01063	.00113	.11769	.20726	.00545	.01054	.01046	.01530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10711**	**3.2854**	W **.01249**	**.21496**	**.01051**	**.02066**	F **1.4204**	**.04147**	**2.9096**	**.01022**	**.02703**	**.01122**
Stddev	.00019	.0348	.00012	.00213	.00000	.00016	.0004	.00024	.0047	.00141	.00129	.00073
%RSD	.17658	1.0600	.97989	.99112	.03019	.78552	.02879	.57277	.16246	13.780	4.7542	6.4860
#1	.10698	3.2608	.01258	.21647	.01050	.02077	1.4201	.04130	2.9062	.01121	.02794	.01070
#2	.10725	3.3100	.01241	.21346	.01051	.02054	1.4207	.04164	2.9129	.00922	.02612	.01173
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			20.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01694**	**.50476**	**.10391**	**.01026**	**.01776**	**.01068**	**.01718**	F **.07809**	**.00997**	**.01964**	**.01532**
Stddev	.00118	.00919	.00148	.00000	.00178	.00005	.00153	.01066	.00022	.00004	.00075
%RSD	6.9570	1.8210	1.4201	.01283	10.030	.43110	8.9272	13.646	2.2269	.21194	4.9262
#1	.01611	.49826	.10286	.01026	.01902	.01071	.01826	.08563	.01012	.01961	.01479
#2	.01778	.51126	.10495	.01026	.01650	.01065	.01610	.07056	.00981	.01967	.01585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5059.1**	**86052.**	**6325.5**
Stddev	44.1	409.	79.7
%RSD	.87149	.47537	1.2604
#1	5027.9	85762.	6381.8
#2	5090.3	86341.	6269.1

Sample Name: 280-62242-A-8-A Acquired: 11/17/2014 19:21:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**60.443**	**.02905**	**.03815**	**.39784**	**.00002**	**.09292**	**14.997**	**.00669**
Stddev	.00077	.195	.00247	.00010	.00156	.00001	.00087	.041	.00001
%RSD	1009.1	.32342	8.5150	.27223	.39197	73.177	.93221	.27524	.08362
#1	-.00047	60.581	.02730	.03808	.39895	.00001	.09231	15.026	.00669
#2	.00062	60.305	.03080	.03822	.39674	.00003	.09353	14.968	.00670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05076**	**.34131**	**.22963**	**81.911**	**9.4853**	**.06803**	**15.119**	**1.0811**	**.00402**
Stddev	.00009	.00006	.00128	.262	.0345	.00282	.043	.0005	.00004
%RSD	.18430	.01831	.55779	.31940	.36427	4.1488	.28374	.04241	.90525
#1	.05069	.34135	.23053	82.096	9.5098	.06604	15.150	1.0814	.00404
#2	.05082	.34127	.22872	81.726	9.4609	.07003	15.089	1.0807	.00399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.386**	**.47652**	**1.9181**	**1.5829**	**4.1325**	**-.00298**	**-.00013**	**3.7829**	**.00392**
Stddev	.272	.00038	.0071	.0038	.0012	.00142	.00302	.0269	.00033
%RSD	1.6609	.08061	.36906	.23859	.02842	47.547	2298.7	.71060	8.3602
#1	16.579	.47625	1.9131	1.5802	4.1334	-.00399	-.00227	3.8019	.00415
#2	16.194	.47679	1.9231	1.5855	4.1317	-.00198	.00200	3.7639	.00369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12480**	**.07580**	**4.2868**	**.00520**	F **-.17290**	**.44643**	**.69899**	**.03960**
Stddev	.00029	.00104	.0049	.00026	.00346	.00122	.00063	.00019
%RSD	.23508	1.3769	.11329	5.0507	2.0007	.27404	.08996	.48868
#1	.12501	.07654	4.2902	.00502	-.17045	.44729	.69855	.03947
#2	.12460	.07507	4.2833	.00539	-.17534	.44556	.69944	.03974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000			
Low Limit					-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5343.1**	**89749.**	**6830.0**
Stddev	11.1	415.	14.0
%RSD	.20815	.46208	.20452
#1	5351.0	90042.	6820.2
#2	5335.3	89456.	6839.9

Sample Name: 280-62242-A-8-A SD@5 Acquired: 11/17/2014 19:24:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**13.727**	**.00752**	**.00908**	**.09200**	**-.00002**	**.02015**	**3.4738**	**.00151**
Stddev	.00018	.044	.00281	.00005	.00011	.00008	.00227	.0051	.00008
%RSD	48.272	.32307	37.385	.56091	.11591	425.86	11.257	.14554	5.0927
#1	.00049	13.695	.00553	.00905	.09193	.00004	.01855	3.4773	.00146
#2	.00024	13.758	.00950	.00912	.09208	-.00008	.02175	3.4702	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01128**	**.07835**	**.04955**	**18.702**	**2.2673**	**.01550**	**3.4661**	**.25301**	**.00048**
Stddev	.00004	.00036	.00086	.038	.0245	.00030	.0023	.00008	.00009
%RSD	.31055	.46375	1.7324	.20063	1.0830	1.9209	.06668	.03170	17.887
#1	.01130	.07861	.04894	18.728	2.2499	.01529	3.4644	.25295	.00055
#2	.01125	.07810	.05015	18.675	2.2847	.01571	3.4677	.25307	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7377**	**.10587**	**.41982**	**.38108**	**.89488**	**.00091**	**-.00065**	**.79989**	**.00114**
Stddev	.0015	.00120	.00607	.00304	.00534	.00048	.00445	.01621	.00084
%RSD	.04004	1.1369	1.4459	.79764	.59698	52.912	680.72	2.0270	73.551
#1	3.7388	.10672	.42412	.38323	.89866	.00057	-.00380	.81136	.00174
#2	3.7367	.10502	.41553	.37893	.89110	.00126	.00249	.78843	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02838**	**.02053**	**.96326**	**.00093**	**-.02833**	**.09989**	**.15662**	**.00716**
Stddev	.00002	.00016	.00139	.00028	.00275	.00010	.00218	.00008
%RSD	.06208	.78952	.14426	30.402	9.6991	.09968	1.3899	1.1072
#1	.02839	.02042	.96424	.00113	-.03028	.09982	.15816	.00721
#2	.02836	.02065	.96227	.00073	-.02639	.09996	.15508	.00710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5151.6**	**85218.**	**6521.7**
Stddev	32.5	536.	67.3
%RSD	.63166	.62913	1.0323
#1	5128.6	84839.	6569.3
#2	5174.6	85597.	6474.1

Sample Name: 280-62242-A-8-B MS Acquired: 11/17/2014 19:26:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04960**	**85.335**	**.89147**	**.92643**	**2.3204**	**.04288**	**2.0185**	**65.219**	**.08759**
Stddev	.00074	.263	.00243	.00002	.0059	.00015	.0010	.034	.00031
%RSD	1.4911	.30849	.27230	.00165	.25289	.35492	.05062	.05255	.35268
#1	.04907	85.521	.89319	.92644	2.3245	.04277	2.0193	65.244	.08737
#2	.05012	85.149	.88976	.92642	2.3162	.04299	2.0178	65.195	.08781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48525**	**.53580**	**.44602**	**96.497**	**56.010**	**.98521**	**60.855**	**1.5734**	**.94206**
Stddev	.00043	.00066	.00167	.148	.179	.00234	.126	.0049	.00020
%RSD	.08870	.12411	.37463	.15374	.31961	.23716	.20696	.31138	.02096
#1	.48556	.53627	.44484	96.602	56.137	.98686	60.944	1.5768	.94220
#2	.48495	.53533	.44721	96.392	55.883	.98355	60.766	1.5699	.94192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.686**	**.86405**	**10.700**	**1.6396**	**6.6561**	**.31696**	**1.8236**	**5.0159**	**1.7904**
Stddev	.092	.00006	.002	.0000	.0046	.00144	.0011	.0292	.0028
%RSD	.14658	.00712	.02124	.00025	.06912	.45428	.06129	.58280	.15584
#1	62.621	.86409	10.698	1.6396	6.6528	.31594	1.8244	4.9953	1.7923
#2	62.751	.86400	10.701	1.6396	6.6594	.31798	1.8228	5.0366	1.7884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0561**	**.99066**	**5.9854**	**1.7121**	**1.5732**	**1.0064**	**.96666**	**.47280**
Stddev	.0034	.00067	.0126	.0019	.0111	.0030	.00724	.00230
%RSD	.32388	.06811	.21067	.11258	.70510	.30184	.74912	.48706
#1	1.0585	.99018	5.9943	1.7107	1.5811	1.0085	.97178	.47443
#2	1.0537	.99114	5.9765	1.7134	1.5654	1.0042	.96154	.47117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5194.5**	**86881.**	**6789.9**
Stddev	16.4	689.	3.7
%RSD	.31479	.79277	.05523
#1	5183.0	86394.	6792.5
#2	5206.1	87368.	6787.2

Sample Name: 280-62242-A-8-C MSD Acquired: 11/17/2014 19:29:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04850**	**86.848**	**.87788**	**.91899**	**2.2611**	**.04257**	**2.0002**	**65.022**	**.08737**
Stddev	.00043	.066	.00352	.00049	.0024	.00009	.0033	.012	.00036
%RSD	.89448	.07581	.40140	.05315	.10657	.21351	.16378	.01871	.40928
#1	.04820	86.895	.88037	.91864	2.2628	.04264	1.9979	65.014	.08712
#2	.04881	86.802	.87539	.91933	2.2594	.04251	2.0025	65.031	.08763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48564**	**.50738**	**.44827**	**88.999**	**55.916**	**.97806**	**60.713**	**1.5077**	**.93517**
Stddev	.00039	.00026	.00084	.025	.079	.00010	.054	.0006	.00210
%RSD	.08114	.05085	.18811	.02855	.14194	.00990	.08893	.04336	.22487
#1	.48592	.50720	.44886	88.981	55.860	.97812	60.674	1.5072	.93368
#2	.48536	.50756	.44767	89.017	55.972	.97799	60.751	1.5082	.93665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.331**	**.94761**	**10.434**	**1.4442**	**6.2732**	**.31535**	**1.7987**	**5.4341**	**1.7699**
Stddev	.395	.00147	.004	.0023	.0163	.00229	.0104	.0334	.0012
%RSD	.63306	.15552	.04152	.15616	.26010	.72655	.57669	.61449	.06677
#1	62.611	.94656	10.437	1.4426	6.2617	.31373	1.7913	5.4105	1.7707
#2	62.052	.94865	10.431	1.4458	6.2847	.31697	1.8060	5.4577	1.7690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0431**	**.95879**	**6.2123**	**1.6958**	**1.5821**	**.91764**	**1.0049**	**.47312**
Stddev	.0006	.00026	.0029	.0012	.0088	.00313	.0053	.00029
%RSD	.05421	.02711	.04659	.06846	.55616	.34100	.52655	.06086
#1	1.0435	.95897	6.2144	1.6950	1.5884	.91543	1.0012	.47332
#2	1.0427	.95861	6.2103	1.6966	1.5759	.91985	1.0087	.47291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5225.5**	**86268.**	**6883.8**
Stddev	6.5	322.	6.8
%RSD	.12358	.37323	.09808
#1	5230.0	86496.	6888.6
#2	5220.9	86041.	6879.0

Sample Name: 280-62242-A-8-A PDS Acquired: 11/17/2014 19:31:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04042**	**60.612**	**.21035**	**.13461**	**.48435**	**.04497**	**.09521**	**33.409**	**.05209**
Stddev	.00091	.114	.00381	.00032	.00042	.00010	.00171	.053	.00008
%RSD	2.2490	.18757	1.8119	.23548	.08773	.22019	1.7932	.15855	.15791
#1	.04106	60.532	.21305	.13484	.48405	.04490	.09400	33.372	.05215
#2	.03978	60.693	.20766	.13439	.48465	.04504	.09641	33.447	.05203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09417**	**.37683**	**.26444**	**81.600**	**27.982**	**.16159**	**32.948**	**1.1034**	**.05165**
Stddev	.00029	.00110	.00183	.188	.112	.00021	.018	.0004	.00001
%RSD	.30813	.29147	.69386	.23031	.40116	.12868	.05453	.03894	.01553
#1	.09438	.37760	.26574	81.467	27.902	.16144	32.935	1.1031	.05166
#2	.09397	.37605	.26315	81.733	28.061	.16174	32.961	1.1037	.05165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.244**	**.50607**	**3.7214**	**1.6212**	**4.0807**	**.09215**	**.19420**	**8.3442**	**.10157**
Stddev	.173	.00162	.0054	.0021	.0094	.00215	.00476	.0025	.00065
%RSD	.49022	.32037	.14528	.12782	.23081	2.3341	2.4488	.02973	.64479
#1	35.366	.50722	3.7176	1.6197	4.0740	.09368	.19084	8.3460	.10204
#2	35.122	.50492	3.7252	1.6227	4.0873	.09063	.19756	8.3425	.10111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16806**	**.25092**	**4.2630**	**.19096**	**.28775**	**.48491**	**.87169**	**.08497**
Stddev	.00004	.00383	.0008	.00030	.01076	.00075	.00148	.00238
%RSD	.02320	1.5279	.01797	.15646	3.7409	.15454	.16968	2.8021
#1	.16809	.25364	4.2624	.19075	.28014	.48438	.87064	.08329
#2	.16804	.24821	4.2635	.19117	.29537	.48544	.87273	.08665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5291.3**	**87423.**	**6786.1**
Stddev	12.0	789.	60.3
%RSD	.22754	.90300	.88907
#1	5282.8	87981.	6828.8
#2	5299.8	86865.	6743.4

Sample Name: 280-62242-A-9-A Acquired: 11/17/2014 19:33:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**65.124**	**.02723**	**.04182**	**1.5280**	F **-.00551**	**.28869**	**23.576**	**.00295**
Stddev	.00014	.057	.00111	.00007	.0051	.00009	.00368	.023	.00021
%RSD	3.2627	.08774	4.0676	.16627	.33443	1.6055	1.2761	.09577	6.9867
#1	.00422	65.084	.02645	.04187	1.5244	-.00544	.28608	23.560	.00281
#2	.00441	65.165	.02802	.04177	1.5316	-.00557	.29129	23.592	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						20.000			
Low Limit						-.00400			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03652**	**.50604**	**.19541**	**109.45**	**6.7820**	**.05854**	**25.813**	**1.6396**	**.00508**
Stddev	.00048	.00050	.00133	.25	.0288	.00150	.047	.0002	.00020
%RSD	1.3214	.09922	.68050	.22684	.42466	2.5614	.18368	.01151	3.9743
#1	.03686	.50639	.19635	109.27	6.7616	.05748	25.846	1.6395	.00523
#2	.03618	.50568	.19447	109.62	6.8024	.05960	25.779	1.6397	.00494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.445**	**.30219**	**2.6197**	**2.6644**	**4.0277**	**.02971**	W **-.00579**	**2.8955**	**.13331**
Stddev	.370	.00045	.0186	.0060	.0277	.00114	.00243	.0266	.00095
%RSD	2.7504	.14805	.70846	.22337	.68805	3.8323	41.982	.91810	.71424
#1	13.184	.30250	2.6329	2.6686	4.0473	.03051	-.00407	2.9143	.13398
#2	13.707	.30187	2.6066	2.6601	4.0081	.02890	-.00751	2.8767	.13263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17451**	**.06328**	W **12.858**	**.01699**	**.02306**	**.77969**	**.53375**	**.85064**
Stddev	.00057	.00181	.059	.00139	.01743	.00191	.00259	.00205
%RSD	.32517	2.8541	.45930	8.1683	75.595	.24494	.48564	.24060
#1	.17411	.06456	12.816	.01601	.03538	.78104	.53192	.84919
#2	.17491	.06201	12.900	.01797	.01073	.77834	.53558	.85209
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000					
Low Limit			-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5164.5**	**86139.**	**6604.5**
Stddev	31.2	451.	77.2
%RSD	.60328	.52336	1.1687
#1	5186.5	86458.	6549.9
#2	5142.5	85820.	6659.1

Sample Name: 280-62242-A-10-A Acquired: 11/17/2014 19:36:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**92.406**	**.04023**	**.02612**	**.64345**	**-.00136**	**.18154**	**36.772**	**.00285**
Stddev	.00069	.034	.00364	.00031	.00025	.00010	.00137	.009	.00017
%RSD	34.992	.03728	9.0541	1.1753	.03953	7.1624	.75444	.02341	5.9996
#1	.00149	92.430	.03765	.02634	.64327	-.00143	.18251	36.765	.00297
#2	.00248	92.381	.04280	.02590	.64363	-.00129	.18057	36.778	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06921**	**.29766**	**.18764**	**160.24**	**10.605**	**.06589**	**38.342**	**2.7209**	**.00253**
Stddev	.00000	.00055	.00004	.08	.020	.00044	.018	.0002	.00039
%RSD	.00430	.18339	.02120	.04773	.19276	.66744	.04582	.00769	15.453
#1	.06921	.29728	.18761	160.18	10.619	.06558	38.329	2.7210	.00225
#2	.06920	.29805	.18767	160.29	10.590	.06620	38.354	2.7208	.00280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1919**	**.20855**	**3.7297**	**.72572**	**2.0729**	**.02546**	**-.00404**	**4.0838**	**.01661**
Stddev	.0145	.00144	.0007	.00236	.0036	.00166	.00327	.0225	.00020
%RSD	.66257	.69167	.01883	.32524	.17526	6.5345	81.018	.55101	1.2022
#1	2.2021	.20957	3.7292	.72405	2.0755	.02428	-.00636	4.0997	.01647
#2	2.1816	.20753	3.7302	.72739	2.0703	.02664	-.00173	4.0679	.01675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15330**	**.07229**	**7.7251**	**.01405**	**.01281**	**.46695**	**.60067**	**.12965**
Stddev	.00032	.00072	.0017	.00185	.00137	.00097	.00041	.00049
%RSD	.20907	.99999	.02206	13.139	10.693	.20864	.06799	.37566
#1	.15308	.07280	7.7239	.01535	.01378	.46626	.60038	.12999
#2	.15353	.07178	7.7263	.01274	.01185	.46764	.60096	.12930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5159.6**	**85889.**	**6639.9**
Stddev	2.4	31.	61.0
%RSD	.04555	.03557	.91942
#1	5161.3	85911.	6596.8
#2	5158.0	85868.	6683.1

Sample Name: 280-62242-A-12-A Acquired: 11/17/2014 19:39:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00468**	**67.020**	**.02742**	**.02329**	**.71192**	W **-.00386**	**.31568**	**28.734**	**.00413**
Stddev	.00041	.009	.00124	.00086	.00013	.00000	.01140	.021	.00007
%RSD	8.7043	.01369	4.5287	3.6952	.01770	.03021	3.6118	.07286	1.7319
#1	.00439	67.027	.02654	.02390	.71201	-.00386	.30762	28.719	.00408
#2	.00497	67.014	.02830	.02269	.71183	-.00386	.32375	28.748	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						18.000			
Low Limit						-.00200			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04418**	**1.7661**	**.16100**	**138.96**	**7.9658**	**.05230**	**26.442**	**2.6259**	**.00545**
Stddev	.00058	.0026	.00088	.30	.0114	.00000	.022	.0024	.00012
%RSD	1.3091	.14851	.54744	.21467	.14295	.00543	.08380	.09209	2.2388
#1	.04459	1.7680	.16038	138.75	7.9577	.05230	26.427	2.6242	.00536
#2	.04377	1.7642	.16162	139.17	7.9738	.05230	26.458	2.6276	.00554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7697**	**.26054**	**3.6131**	**4.3357**	**1.4765**	**.02542**	**.00032**	**3.5841**	**.06421**
Stddev	.0099	.00036	.0069	.0047	.0095	.00066	.00072	.0169	.00083
%RSD	.55967	.13796	.18963	.10965	.64224	2.6002	224.69	.47114	1.2998
#1	1.7767	.26028	3.6082	4.3323	1.4697	.02589	-.00019	3.5960	.06480
#2	1.7627	.26079	3.6179	4.3391	1.4832	.02495	.00083	3.5721	.06362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12827**	**.62928**	W **12.451**	**.01489**	**.00110**	**.58772**	**.37240**	**.56445**
Stddev	.00000	.00123	.205	.00177	.01762	.00175	.00058	.00252
%RSD	.00259	.19496	1.6487	11.857	1596.2	.29764	.15545	.44623
#1	.12827	.62841	12.306	.01614	.01356	.58896	.37199	.56623
#2	.12827	.63014	12.596	.01364	-.01135	.58648	.37281	.56266
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000					
Low Limit			-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5147.2**	**86611.**	**6537.0**
Stddev	36.6	139.	.6
%RSD	.71069	.16067	.00967
#1	5121.3	86709.	6536.6
#2	5173.1	86513.	6537.5

Sample Name: 280-62242-A-14-A Acquired: 11/17/2014 19:41:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252055 6010B dupont soil

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**67.172**	**.02791**	**.02685**	**.70326**	W **-.00251**	**.26670**	**33.171**	**.00296**
Stddev	.00066	.082	.00030	.00022	.00138	.00001	.00337	.065	.00012
%RSD	15.347	.12224	1.0681	.80843	.19573	.42830	1.2633	.19630	4.1727
#1	.00383	67.230	.02770	.02700	.70423	-.00252	.26908	33.217	.00305
#2	.00477	67.114	.02812	.02669	.70228	-.00250	.26432	33.125	.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						18.000			
Low Limit						-.00200			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04996**	**1.2615**	**.18372**	**132.81**	**8.4170**	**.04860**	**25.638**	**3.3800**	**.00512**
Stddev	.00028	.0001	.00033	.06	.0455	.00077	.038	.0021	.00027
%RSD	.55552	.00461	.17745	.04450	.54006	1.5925	.14735	.06328	5.3653
#1	.05016	1.2616	.18349	132.76	8.3849	.04915	25.611	3.3785	.00531
#2	.04976	1.2615	.18395	132.85	8.4491	.04805	25.665	3.3815	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9453**	**.30988**	**3.5681**	**8.4820**	**1.7855**	**.00945**	**-.00178**	**3.7491**	**.03040**
Stddev	.0015	.00036	.0034	.0035	.0022	.00297	.00046	.0443	.00099
%RSD	.07839	.11504	.09545	.04090	.12229	31.427	25.960	1.1820	3.2589
#1	1.9443	.31013	3.5705	8.4845	1.7839	.00735	-.00145	3.7805	.02970
#2	1.9464	.30962	3.5657	8.4796	1.7870	.01155	-.00211	3.7178	.03110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13025**	**.40713**	**9.5140**	**.01435**	**-.02731**	**.49113**	**.41755**	**.29289**
Stddev	.00031	.00325	.0059	.00231	.01134	.00083	.00145	.00154
%RSD	.24051	.79827	.06200	16.108	41.531	.16952	.34791	.52519
#1	.13047	.40483	9.5099	.01599	-.01929	.49172	.41653	.29180
#2	.13003	.40943	9.5182	.01272	-.03532	.49054	.41858	.29398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5153.9**	**86369.**	**6612.6**
Stddev	7.2	64.	16.1
%RSD	.13887	.07414	.24302
#1	5158.9	86414.	6624.0
#2	5148.8	86324.	6601.3

Sample Name: ccvh-2982968 Acquired: 11/17/2014 19:44:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00614**	**50.932**	**.00012**	**.00227**	**.00096**	**-.00002**	**1.0386**	**-.02688**	**-.00047**	**.00171**	**.00049**	**-.00378**	**49.876**
Stddev	.00035	.094	.00129	.00029	.00019	.00005	.0046	.00089	.00018	.00008	.00008	.00035	.068
%RSD	5.7208	.18433	1052.0	12.974	19.997	244.02	.43814	3.3115	38.776	4.4683	16.039	9.2660	.13714
#1	.00589	50.865	.00103	.00206	.00083	.00002	1.0418	-.02625	-.00034	.00165	.00055	-.00402	49.827
#2	.00639	50.998	-.00079	.00248	.00110	-.00006	1.0354	-.02751	-.00060	.00176	.00044	-.00353	49.924
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20097**	**.00040**	**.12821**	**-.00245**	**-.00184**	**256.79**	**.00097**	**.00243**	**.00547**	**5.0020**	**-.00256**	**-.00046**	**-.00895**
Stddev	.01095	.00051	.00019	.00001	.00034	.46	.00009	.00171	.00027	.0161	.00152	.00134	.00765
%RSD	5.4481	127.39	.15142	.28198	18.734	.17738	8.9254	70.417	4.8798	.32177	59.565	292.18	85.525
#1	.20871	.00076	.12808	-.00245	-.00159	256.47	.00091	.00122	.00528	4.9906	-.00148	-.00141	-.01436
#2	.19323	.00004	.12835	-.00246	-.00208	257.11	.00103	.00364	.00566	5.0133	-.00364	.00049	-.00354
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00026**	**4.6701**	**-.01840**	**.00111**	**9.7060**	**.00358**	**-.00037**	**-.03826**
Stddev	.00022	.00001	.0079	.00004	.00009	.0278	.00055	.00044	.00027
%RSD	8.6598	4.6796	.16934	.22666	7.9632	.28592	15.272	119.26	.70771
#1	.00267	.00025	4.6645	-.01843	.00117	9.6864	.00397	-.00006	-.03846
#2	.00236	.00027	4.6757	-.01837	.00104	9.7256	.00320	-.00067	-.03807
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4861.1**	**82420.**	**6327.7**
Stddev	4.3	490.	181.6
%RSD	.08945	.59442	2.8702
#1	4864.2	82074.	6456.2
#2	4858.1	82766.	6199.3

Sample Name: ccv-2984587 Acquired: 11/17/2014 19:46:52 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51014**	**.52763**	**.97020**	**.50223**	**.50072**	**.48971**	**.01056**	**5.0242**	**.49130**	**.49402**	**.48626**	**.48314**	**2.5505**	**49.655**
Stddev	.00255	.00162	.00468	.00007	.00063	.00097	.00066	.0248	.00143	.00099	.00112	.00462	.0127	.229
%RSD	.49905	.30789	.48201	.01493	.12606	.19908	6.2881	.49390	.29026	.20071	.23066	.95591	.49892	.46191
#1	.51194	.52878	.96689	.50218	.50117	.49040	.01103	5.0417	.49231	.49332	.48547	.48640	2.5595	49.817
#2	.50834	.52648	.97351	.50228	.50027	.48902	.01009	5.0066	.49029	.49472	.48706	.47987	2.5415	49.493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0141**	**19.485**	**.49716**	**.51412**	**5.4575**	**.49191**	**.96656**	**1.0073**	**.01238**	**1.0177**	**1.0396**	**4.9255**	**1.0192**	**.48637**
Stddev	.0045	.001	.00077	.00073	.0341	.00029	.00066	.0013	.00174	.0013	.0005	.0232	.0030	.00085
%RSD	.44300	.00585	.15443	.14242	.62563	.05855	.06878	.12766	14.077	.12577	.04581	.47109	.29521	.17566
#1	1.0172	19.485	.49662	.51361	5.4816	.49170	.96609	1.0082	.01362	1.0186	1.0400	4.9419	1.0171	.48697
#2	1.0109	19.484	.49770	.51464	5.4333	.49211	.96703	1.0064	.01115	1.0167	1.0393	4.9091	1.0213	.48576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02556**	**.49835**	**1.0257**	**.00656**	**.49275**	**.48821**	**.48903**
Stddev	.00062	.00006	.0023	.01503	.00001	.00092	.00211
%RSD	2.4330	.01149	.22111	228.94	.00179	.18822	.43104
#1	.02600	.49839	1.0273	-.00406	.49275	.48756	.49052
#2	.02512	.49831	1.0241	.01719	.49276	.48886	.48753
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4995.6**	**83678.**	**6176.0**
Stddev	19.6	670.	113.5
%RSD	.39198	.80051	1.8374
#1	5009.4	84152.	6095.8
#2	4981.7	83204.	6256.2

Sample Name: CCB Acquired: 11/17/2014 19:49:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00148**	**-.00128**	**-.00187**	W **.00233**	**.00017**	**.00003**	**-.00122**	**-.00442**	**.00006**	**.00009**	**.00005**	**-.00057**
Stddev	.00017	.00114	.00211	.00017	.00011	.00003	.00094	.00421	.00021	.00015	.00032	.00005
%RSD	11.393	89.009	113.04	7.1804	62.421	104.19	76.701	95.269	369.18	176.89	611.15	8.4925
#1	.00136	-.00048	-.00336	.00245	.00024	.00006	-.00188	-.00144	.00021	.00019	-.00017	-.00054
#2	.00160	-.00209	-.00037	.00221	.00009	.00001	-.00056	-.00739	-.00009	-.00002	.00027	-.00060
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00156								
Low Limit	-.00093			-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.10405**	**.12795**	**.00184**	**.00511**	W **.00049**	**.00015**	F **.26307**	**-.00040**	**.00122**	**.00069**	**.01371**	**.00164**
Stddev	.00499	.04522	.00097	.00107	.00002	.00011	.00107	.00009	.00434	.00088	.00006	.00097
%RSD	4.7987	35.345	52.657	20.945	3.6335	69.924	.40553	23.187	355.91	126.48	.41902	59.148
#1	.10052	.15993	.00115	.00586	.00050	.00008	.26382	-.00034	-.00185	.00132	.01367	.00096
#2	.10758	.09597	.00252	.00435	.00048	.00023	.26231	-.00047	.00429	.00007	.01375	.00233
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.04400				.00025		.20152					
Low Limit	-.04400				-.00025		-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00414**	**.00063**	**.00015**	**.00468**	F **.00146**	**.00070**	**-.00058**	**-.00019**	**-.00101**	**-.00004**
Stddev	.01211	.00431	.00001	.00004	.00166	.00028	.00124	.04886	.00010	.00072	.00171
%RSD	2691.7	104.05	1.4683	27.794	35.526	18.875	176.21	8380.1	51.107	71.004	3827.3
#1	-.00811	-.00719	.00064	.00017	.00351	.00166	-.00017	.03396	-.00012	-.00050	.00116
#2	.00901	-.00109	.00063	.00012	.00586	.00127	.00158	-.03513	-.00026	-.00152	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00119					
Low Limit						-.00119					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4982.1**	**84606.**	**6134.6**
Stddev	10.6	70.	12.7
%RSD	.21352	.08332	.20732
#1	4989.6	84656.	6143.6
#2	4974.6	84556.	6125.6

Sample Name: CCVL2994499 Acquired: 11/17/2014 19:52:05 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01159**	**.10510**	**.01456**	**.10204**	**.01067**	**.00105**	**.11483**	**.20405**	**.00517**	**.01062**	**.00996**	**.01447**
Stddev	.00045	.00096	.00101	.00041	.00016	.00003	.00199	.00029	.00008	.00000	.00006	.00019
%RSD	3.9054	.91798	6.9378	.40612	1.5097	2.4566	1.7320	.14172	1.5371	.03845	.57884	1.3385
#1	.01127	.10579	.01385	.10174	.01078	.00107	.11624	.20426	.00522	.01062	.00992	.01461
#2	.01191	.10442	.01527	.10233	.01055	.00103	.11343	.20385	.00511	.01063	.01000	.01434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11030**	**3.2044**	**.01166**	**.21434**	**.01052**	**.02066**	F **1.3401**	**.04134**	**2.8645**	W **.01092**	**.01214**	**.00815**
Stddev	.00119	.0263	.00042	.00183	.00006	.00025	.0021	.00032	.0083	.00065	.00327	.00082
%RSD	1.0794	.82193	3.5708	.85248	.61044	1.2319	.15348	.76310	.28854	5.9280	26.888	10.067
#1	.10945	3.1857	.01195	.21305	.01057	.02084	1.3387	.04112	2.8587	.01046	.01445	.00873
#2	.11114	3.2230	.01136	.21563	.01048	.02048	1.3416	.04156	2.8704	.01138	.00984	.00757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value							1.0000			.00900		
Range							30.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01060**	**.50920**	**.10488**	**.01008**	W **.01851**	**.01080**	**.01644**	**.06183**	**.01024**	**.02046**	**.01470**
Stddev	.00334	.00484	.00052	.00002	.00188	.00045	.00148	.00789	.00037	.00005	.00065
%RSD	31.507	.95123	.49390	.18087	10.175	4.1777	9.0144	12.754	3.5796	.22878	4.4407
#1	.00824	.50577	.10452	.01007	.01718	.01048	.01540	.05625	.01050	.02043	.01516
#2	.01296	.51262	.10525	.01009	.01984	.01112	.01749	.06741	.00998	.02050	.01424
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500				.01500						
Range	-20.000%				20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5040.0**	**84628.**	**6204.8**
Stddev	7.9	306.	47.6
%RSD	.15593	.36211	.76677
#1	5034.4	84411.	6171.1
#2	5045.5	84844.	6238.4

Sample Name: MB 280-252986/1-A Acquired: 11/17/2014 19:54:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/14 Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**-.00304**	**-.00005**	**.00105**	**.00034**	**-.00004**	**-.00190**	**-.00342**	**.00009**
Stddev	.00003	.00082	.00398	.00067	.00015	.00002	.00284	.00206	.00009
%RSD	3.0458	26.968	7821.8	64.305	43.746	65.401	148.88	60.338	98.592
#1	.00097	-.00246	-.00286	.00057	.00045	-.00002	-.00391	-.00196	.00003
#2	.00101	-.00362	.00276	.00152	.00024	-.00005	.00010	-.00488	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00010**	**-.00062**	**.00425**	**.10728**	**.00152**	**.00256**	**.00008**	**.00002**
Stddev	.00022	.00009	.00026	.00420	.00734	.00040	.00201	.00011	.00001
%RSD	588.80	89.509	42.408	98.967	6.8377	26.467	78.565	130.67	29.405
#1	.00012	-.00004	-.00080	.00722	.11246	.00180	.00398	.00016	.00002
#2	-.00020	-.00016	-.00043	.00127	.10209	.00123	.00114	.00001	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22719**	**-.00037**	**.00109**	**.00079**	**.01355**	**-.00109**	**-.00024**	**.00465**	**.00104**
Stddev	.00528	.00024	.00036	.00081	.00259	.00275	.00108	.01107	.00079
%RSD	2.3243	64.069	33.288	102.33	19.077	251.68	454.43	238.21	76.009
#1	.23093	-.00053	.00134	.00136	.01173	-.00304	.00052	-.00318	.00048
#2	.22346	-.00020	.00083	.00022	.01538	.00085	-.00100	.01248	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00216**	**.00016**	**.00066**	**.00420**	**-.00006**	**-.00070**	**-.00136**
Stddev	.00005	.00012	.00006	.00005	.00077	.00058	.00023	.00193
%RSD	2292.2	5.4685	35.977	8.2214	18.394	924.27	32.532	142.15
#1	-.00003	.00208	.00012	.00070	.00474	.00035	-.00086	.00001
#2	.00004	.00225	.00020	.00062	.00365	-.00047	-.00054	-.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5058.8**	**85542.**	**6254.9**
Stddev	45.2	600.	33.2
%RSD	.89349	.70142	.53035
#1	5026.8	85118.	6278.4
#2	5090.8	85966.	6231.4

Sample Name: LCS 280-252986/2-A Acquired: 11/17/2014 19:57:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05670**	**2.0124**	**.97300**	**1.0525**	**2.0330**	**.04959**	**2.1784**	**50.798**	**.09318**
Stddev	.00065	.0001	.00259	.0021	.0027	.00014	.0046	.127	.00019
%RSD	1.1521	.00691	.26619	.19469	.13127	.29229	.21216	.25019	.20679
#1	.05624	2.0123	.97117	1.0511	2.0349	.04969	2.1817	50.888	.09331
#2	.05717	2.0125	.97483	1.0540	2.0311	.04949	2.1751	50.708	.09304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48894**	**.19531**	**.24301**	**1.0137**	**50.649**	**1.0252**	**48.677**	**.49312**	**1.1039**
Stddev	.00012	.00037	.00138	.0006	.040	.0021	.061	.00130	.0028
%RSD	.02433	.18697	.56686	.05937	.07990	.19963	.12552	.26433	.25484
#1	.48902	.19505	.24204	1.0133	50.678	1.0238	48.720	.49404	1.1019
#2	.48886	.19557	.24399	1.0141	50.621	1.0267	48.634	.49220	1.1059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.018**	**.48379**	**10.096**	**.50332**	**2.0879**	**.53555**	**2.1122**	**10.214**	**2.0972**
Stddev	.549	.00086	.017	.00279	.0122	.00008	.0037	.059	.0037
%RSD	1.0360	.17697	.17085	.55340	.58255	.01441	.17483	.58218	.17898
#1	52.630	.48319	10.084	.50135	2.0793	.53561	2.1095	10.172	2.0946
#2	53.407	.48440	10.108	.50529	2.0965	.53550	2.1148	10.257	2.0999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98430**	**.95233**	**1.0145**	**2.0071**	**1.9914**	**.50041**	**.48114**	**.49331**
Stddev	.00089	.00104	.0016	.0055	.0106	.00100	.00229	.00045
%RSD	.09029	.10873	.15415	.27308	.53101	.19910	.47662	.09091
#1	.98493	.95159	1.0156	2.0033	1.9989	.49970	.48276	.49299
#2	.98367	.95306	1.0134	2.0110	1.9839	.50111	.47952	.49363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4889.2**	**83233.**	**6249.5**
Stddev	18.0	630.	65.8
%RSD	.36793	.75673	1.0537
#1	4901.9	82788.	6202.9
#2	4876.5	83678.	6296.1

Sample Name: 280-62477-C-1-D Acquired: 11/17/2014 19:59:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**.99253**	**.00396**	**.03903**	**.05875**	**.00002**	**-.00227**	**30.132**	**.00009**
Stddev	.00004	.00147	.00453	.00009	.00003	.00011	.00203	.088	.00008
%RSD	2.6819	.14815	114.30	.22721	.04651	655.77	89.449	.29362	92.377
#1	.00162	.99357	.00716	.03909	.05873	-.00006	-.00370	30.069	.00015
#2	.00168	.99149	.00076	.03896	.05876	.00009	-.00083	30.194	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00895**	**.00158**	**1.2141**	**1.3381**	**.00298**	**3.4783**	**.02504**	**.00223**
Stddev	.00011	.00034	.00043	.0085	.0566	.00319	.0118	.00001	.00047
%RSD	20.056	3.8044	27.192	.70346	4.2277	107.27	.33949	.02856	20.926
#1	.00065	.00919	.00127	1.2081	1.2981	.00524	3.4867	.02503	.00190
#2	.00049	.00871	.00188	1.2202	1.3781	.00072	3.4700	.02504	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.750**	**.00105**	**.05940**	**.00114**	**4.4775**	**-.00035**	**.00451**	**16.461**	**.00035**
Stddev	.055	.00029	.00017	.00047	.0074	.00113	.00366	.085	.00064
%RSD	.22125	27.102	.28525	41.705	.16499	324.85	81.074	.51547	180.75
#1	24.711	.00126	.05952	.00080	4.4723	-.00115	.00192	16.401	-.00010
#2	24.788	.00085	.05928	.00147	4.4827	.00045	.00709	16.521	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43521**	**.00641**	**.07094**	**.00082**	**-.01529**	**.02557**	**.00846**	**-.00066**
Stddev	.00066	.00017	.00020	.00066	.02939	.00020	.00000	.00203
%RSD	.15114	2.6974	.27567	81.118	192.19	.79388	.04324	307.55
#1	.43474	.00653	.07080	.00035	-.03607	.02543	.00846	.00078
#2	.43567	.00629	.07107	.00128	.00549	.02572	.00846	-.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5023.4**	**84942.**	**6316.3**
Stddev	11.1	596.	54.8
%RSD	.22178	.70146	.86744
#1	5015.5	84521.	6355.0
#2	5031.3	85364.	6277.5

Sample Name: 280-62477-C-2-B Acquired: 11/17/2014 20:02:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**5.9715**	**.00763**	**.03094**	**.10985**	**-.00003**	**.00327**	**43.963**	**.00019**
Stddev	.00005	.0395	.00293	.00018	.00053	.00003	.00071	.146	.00004
%RSD	4.4673	.66160	38.345	.58497	.48500	87.772	21.632	.33140	20.210
#1	.00113	5.9435	.00556	.03081	.10948	-.00005	.00277	43.860	.00017
#2	.00120	5.9994	.00970	.03107	.11023	-.00001	.00377	44.066	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**.01826**	**.01235**	**7.5996**	**2.7696**	**.00799**	**8.0920**	**.16213**	**.00119**
Stddev	.00014	.00000	.00020	.0294	.0340	.00068	.0125	.00027	.00005
%RSD	4.1406	.02332	1.6481	.38684	1.2259	8.4863	.15407	.16892	4.3141
#1	.00332	.01825	.01220	7.5788	2.7456	.00751	8.0831	.16193	.00115
#2	.00352	.01826	.01249	7.6203	2.7936	.00847	8.1008	.16232	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.462**	**.00774**	**.18295**	**.00333**	**4.0995**	**.00026**	**.00084**	**26.427**	**-.00180**
Stddev	.193	.00003	.00114	.00140	.0071	.00010	.00412	.102	.00003
%RSD	.78942	.41227	.62574	41.965	.17319	38.846	488.71	.38563	1.4413
#1	24.598	.00772	.18214	.00432	4.0945	.00033	.00376	26.355	-.00182
#2	24.325	.00776	.18376	.00234	4.1046	.00019	-.00207	26.499	-.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59345**	**.00592**	**.47060**	**.00132**	**-.03099**	**.03568**	**.02992**	**.00123**
Stddev	.00181	.00050	.00039	.00026	.02749	.00045	.00067	.00097
%RSD	.30498	8.4696	.08391	19.388	88.716	1.2658	2.2518	79.042
#1	.59217	.00557	.47088	.00150	-.01155	.03600	.03040	.00192
#2	.59473	.00628	.47032	.00114	-.05042	.03536	.02944	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5015.0**	**83722.**	**6215.8**
Stddev	22.1	145.	125.2
%RSD	.44160	.17286	2.0144
#1	4999.3	83620.	6304.3
#2	5030.6	83824.	6127.2

Sample Name: 280-62477-C-3-B Acquired: 11/17/2014 20:05:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.04080**	**.00350**	**.02930**	**.06459**	**.00009**	**-.00692**	**28.099**	**.00014**
Stddev	.00015	.00235	.00030	.00049	.00001	.00009	.00004	.029	.00004
%RSD	9.6992	5.7534	8.4292	1.6798	.01633	93.610	.51184	.10337	27.757
#1	.00139	.04246	.00330	.02895	.06458	.00003	-.00694	28.078	.00012
#2	.00160	.03914	.00371	.02965	.06460	.00016	-.00689	28.119	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.01249**	**.01471**	**.04789**	**1.0616**	**.00301**	**3.6543**	**.00160**	**.00133**
Stddev	.00013	.00010	.00007	.00066	.0673	.00151	.0205	.00002	.00044
%RSD	170.83	.76636	.45381	1.3754	6.3373	50.098	.56054	1.3722	32.908
#1	-.00017	.01242	.01466	.04836	1.0141	.00194	3.6398	.00158	.00164
#2	.00002	.01255	.01475	.04742	1.1092	.00408	3.6688	.00161	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.569**	**.00013**	**.02647**	**.00230**	**4.9402**	**.00059**	**.00030**	**14.393**	**-.00037**
Stddev	.086	.00002	.00359	.00060	.0092	.00261	.00272	.057	.00024
%RSD	.40000	17.100	13.576	26.179	.18570	444.30	897.67	.39909	66.399
#1	21.630	.00015	.02902	.00188	4.9467	-.00126	.00222	14.433	-.00020
#2	21.508	.00012	.02393	.00273	4.9337	.00243	-.00162	14.352	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38357**	**.00426**	**.00272**	**-.00018**	**.00165**	**.01935**	**.01614**	**.00031**
Stddev	.00078	.00026	.00042	.00046	.01676	.00036	.00079	.00165
%RSD	.20378	5.9958	15.265	258.81	1018.3	1.8726	4.8673	527.01
#1	.38302	.00445	.00302	-.00050	-.01020	.01909	.01669	.00148
#2	.38412	.00408	.00243	.00015	.01349	.01960	.01558	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4988.9**	**84473.**	**6309.0**
Stddev	18.0	421.	32.9
%RSD	.36051	.49795	.52087
#1	5001.6	84770.	6285.7
#2	4976.2	84176.	6332.2

Sample Name: 280-62477-C-4-B Acquired: 11/17/2014 20:07:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.00282**	**.00167**	**.03847**	**.03830**	**.00008**	**-.00165**	**23.698**	**.00010**
Stddev	.00034	.00043	.00114	.00028	.00001	.00000	.00072	.027	.00002
%RSD	23.413	15.055	68.611	.72174	.03291	4.8790	43.430	.11203	23.283
#1	.00121	.00313	.00248	.03827	.03831	.00008	-.00216	23.679	.00008
#2	.00168	.00252	.00086	.03866	.03829	.00007	-.00115	23.717	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00890**	**-.00052**	**.00742**	**1.3793**	**.00478**	**3.2530**	**.00025**	**.00175**
Stddev	.00016	.00015	.00001	.00152	.0436	.00148	.0125	.00006	.00014
%RSD	122.56	1.6761	2.3304	20.460	3.1581	31.065	.38418	22.926	8.1976
#1	-.00024	.00901	-.00051	.00849	1.4101	.00583	3.2618	.00021	.00165
#2	-.00002	.00880	-.00053	.00634	1.3485	.00373	3.2441	.00029	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.108**	**-.00011**	**.02893**	**.00089**	**4.4190**	**-.00132**	**-.00386**	**13.942**	**-.00141**
Stddev	.314	.00010	.00244	.00004	.0155	.00054	.00240	.050	.00036
%RSD	1.2510	85.326	8.4378	4.3986	.35159	40.887	62.078	.36025	25.188
#1	24.886	-.00018	.02721	.00086	4.4080	-.00171	-.00555	13.907	-.00166
#2	25.330	-.00004	.03066	.00091	4.4300	-.00094	-.00217	13.978	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33895**	**.00487**	**.00043**	**.00092**	**-.00174**	**.01580**	**.00174**	**-.00049**
Stddev	.00027	.00006	.00009	.00153	.00019	.00055	.00059	.00258
%RSD	.08104	1.1614	22.201	166.12	11.018	3.4748	34.193	530.16
#1	.33876	.00491	.00036	-.00016	-.00188	.01619	.00216	-.00231
#2	.33915	.00483	.00049	.00200	-.00160	.01541	.00132	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5023.4**	**84183.**	**6249.0**
Stddev	16.0	163.	26.5
%RSD	.31899	.19372	.42354
#1	5012.0	84298.	6230.2
#2	5034.7	84067.	6267.7

Sample Name: 280-62480-C-1-E Acquired: 11/17/2014 20:10:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00074**	**.00270**	**.15443**	**.06782**	**.00007**	**-.00259**	**48.263**	**.00015**
Stddev	.00017	.00151	.00290	.00023	.00058	.00007	.00100	.215	.00005
%RSD	10.661	204.33	107.16	.14747	.84951	107.55	38.523	.44594	32.029
#1	.00146	.00181	.00065	.15427	.06741	.00012	-.00329	48.111	.00019
#2	.00169	-.00033	.00475	.15460	.06823	.00002	-.00188	48.416	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00035**	**-.00037**	**.73766**	**8.1711**	**.05718**	**16.411**	**.01465**	**.00118**
Stddev	.00013	.00011	.00000	.00276	.0350	.00017	.029	.00004	.00050
%RSD	104.85	31.621	1.1486	.37372	.42881	.29043	.17580	.27226	42.062
#1	-.00022	.00027	-.00037	.73571	8.1463	.05706	16.432	.01468	.00153
#2	-.00003	.00043	-.00037	.73961	8.1959	.05730	16.391	.01463	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.302**	**.00005**	**.00561**	**.00074**	**17.841**	**-.00015**	W **-.00735**	**7.4340**	**-.00008**
Stddev	.437	.00037	.00077	.00117	.007	.00232	.00160	.0320	.00098
%RSD	.86955	679.78	13.670	157.14	.03675	1499.0	21.741	.43038	1179.3
#1	49.993	.00032	.00506	-.00008	17.846	-.00179	-.00848	7.4114	.00061
#2	50.612	-.00021	.00615	.00157	17.836	.00148	-.00622	7.4566	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6716**	**.00281**	**.00023**	**.00078**	**-.01048**	**.00048**	**-.00060**	**.00044**
Stddev	.0216	.00070	.00019	.00128	.00202	.00000	.00004	.00140
%RSD	.58807	24.970	82.966	163.52	19.280	.05621	6.9148	314.64
#1	3.6564	.00232	.00010	-.00012	-.01191	.00048	-.00063	.00143
#2	3.6869	.00331	.00037	.00168	-.00905	.00048	-.00057	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4908.7**	**83459.**	**6094.4**
Stddev	.7	1009.	46.4
%RSD	.01383	1.2094	.76201
#1	4909.1	82745.	6061.6
#2	4908.2	84173.	6127.2

Sample Name: ccvh-2982968 Acquired: 11/17/2014 20:13:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00664**	**52.019**	**.00159**	**.00270**	**.00096**	**.00012**	**1.0560**	**-.02366**	**-.00044**	**.00164**	**-.00006**	**-.00405**	**51.027**
Stddev	.00017	.005	.00274	.00080	.00035	.00001	.0038	.00820	.00026	.00015	.00001	.00008	.131
%RSD	2.5551	.01058	171.96	29.753	36.560	8.1274	.36401	34.658	58.922	8.8878	12.391	2.0366	.25577
#1	.00676	52.023	-.00034	.00326	.00071	.00013	1.0587	-.01786	-.00026	.00175	-.00007	-.00399	50.934
#2	.00652	52.015	.00353	.00213	.00121	.00011	1.0533	-.02946	-.00063	.00154	-.00005	-.00411	51.119
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21493**	**.00240**	**.12710**	**-.00306**	**-.00196**	**261.28**	**.00138**	**.00149**	**.00357**	**5.0774**	**-.00154**	**-.00183**	**-.00109**
Stddev	.06729	.00132	.00278	.00003	.00023	.34	.00028	.00092	.00095	.0083	.00047	.00127	.00718
%RSD	31.307	55.032	2.1886	1.0900	11.974	.13000	19.955	61.588	26.527	.16289	30.448	69.487	656.72
#1	.26252	.00333	.12907	-.00308	-.00179	261.04	.00118	.00214	.00290	5.0716	-.00120	-.00273	-.00617
#2	.16735	.00147	.12513	-.00303	-.00212	261.52	.00157	.00084	.00425	5.0832	-.00187	-.00093	.00398
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.00107**	**4.7273**	**-.02062**	**.00171**	**9.8279**	**.00329**	**-.00046**	**-.04099**
Stddev	.00033	.00012	.0374	.00051	.00200	.0439	.00003	.00159	.00279
%RSD	11.979	11.000	.79061	2.4556	116.89	.44647	.87579	342.80	6.8157
#1	.00297	.00115	4.7537	-.02026	.00312	9.8590	.00331	-.00159	-.04296
#2	.00251	.00098	4.7008	-.02098	.00030	9.7969	.00327	.00066	-.03901
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4845.1**	**80679.**	**6116.9**
Stddev	1.8	12.	67.1
%RSD	.03798	.01440	1.0966
#1	4843.8	80687.	6164.4
#2	4846.4	80670.	6069.5

Sample Name: ccv-2984587 Acquired: 11/17/2014 20:15:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50920**	**.52394**	**.96793**	**.50383**	**.50437**	**.49275**	**.00737**	**5.0712**	**.48920**	**.49435**	**.48577**	**.47681**
Stddev	.00223	.00080	.00168	.00173	.00024	.00172	.00127	.0134	.00109	.00039	.00057	.00312
%RSD	.43858	.15317	.17326	.34416	.04798	.34892	17.236	.26366	.22282	.07980	.11703	.65436
#1	.51078	.52451	.96674	.50260	.50420	.49154	.00647	5.0617	.48843	.49463	.48617	.47902
#2	.50762	.52337	.96912	.50505	.50454	.49397	.00827	5.0807	.48997	.49407	.48536	.47461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5721**	**49.784**	**1.0235**	**19.459**	**.49972**	**.52041**	F **5.5742**	**.49140**	**.96343**	**1.0088**	**.02116**	**1.0188**
Stddev	.0007	.021	.0033	.008	.00098	.00051	.0035	.00112	.00017	.0012	.01942	.0034
%RSD	.02661	.04175	.32540	.03862	.19636	.09714	.06301	.22695	.01788	.12302	91.783	.33285
#1	2.5726	49.769	1.0211	19.453	.49903	.52076	5.5717	.49219	.96331	1.0097	.00743	1.0164
#2	2.5716	49.798	1.0258	19.464	.50042	.52005	5.5767	.49062	.96355	1.0079	.03490	1.0212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0481**	**4.9611**	**1.0299**	**.48752**	**.02731**	**.49999**	**1.0293**	**-.00557**	**.49555**	**.49330**	**.49013**
Stddev	.0057	.0189	.0024	.00019	.00077	.00061	.0034	.00424	.00060	.00173	.00232
%RSD	.54536	.38080	.22902	.03947	2.8295	.12123	.32566	76.155	.12026	.35010	.47291
#1	1.0521	4.9745	1.0316	.48739	.02676	.49956	1.0269	-.00858	.49513	.49208	.49177
#2	1.0440	4.9478	1.0282	.48766	.02785	.50042	1.0317	-.00257	.49597	.49452	.48849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4946.7**	**82669.**	**6073.4**
Stddev	29.5	717.	59.9
%RSD	.59671	.86681	.98574
#1	4925.8	83176.	6031.1
#2	4967.6	82162.	6115.8

Sample Name: CCB Acquired: 11/17/2014 20:18:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00152**	**.00368**	**-.00327**	**.00114**	**.00040**	**.00010**	**-.00081**	**-.00139**	**.00028**	**.00013**	**.00002**	**-.00115**
Stddev	.00026	.00011	.00099	.00045	.00001	.00006	.00144	.00249	.00005	.00012	.00006	.00010
%RSD	16.807	3.0138	30.331	39.639	3.4847	59.612	177.89	178.81	18.561	97.547	278.35	8.9993
#1	.00134	.00360	-.00257	.00146	.00039	.00015	.00021	.00037	.00031	.00021	-.00002	-.00123
#2	.00170	.00376	-.00397	.00082	.00041	.00006	-.00183	-.00316	.00024	.00004	.00006	-.00108
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00226**	**.14688**	**.00237**	**.00750**	**.00009**	**.00024**	F **.28491**	**-.00054**	**-.00226**	**.00137**	**.00589**	**.00035**
Stddev	.00201	.04869	.00005	.00163	.00005	.00013	.00027	.00007	.00135	.00016	.00272	.00163
%RSD	89.016	33.152	2.2074	21.669	52.577	57.199	.09592	12.361	59.863	11.582	46.197	464.23
#1	.00084	.18131	.00240	.00635	.00013	.00033	.28472	-.00049	-.00322	.00149	.00782	-.00080
#2	.00368	.11245	.00233	.00865	.00006	.00014	.28511	-.00059	-.00131	.00126	.00397	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00407**	**.00345**	**.00015**	**.00021**	**.00326**	**.00052**	**.00048**	**-.00651**	**.00008**	**-.00020**	**-.00067**
Stddev	.00597	.00032	.00037	.00009	.00019	.00030	.00159	.01342	.00020	.00019	.00042
%RSD	146.88	9.2946	245.31	42.513	5.7378	57.269	334.54	206.19	242.27	94.496	63.047
#1	.00016	.00368	.00041	.00028	.00339	.00073	-.00065	.00298	.00022	-.00007	-.00097
#2	-.00829	.00323	-.00011	.00015	.00313	.00031	.00160	-.01600	-.00006	-.00033	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4989.0**	**83897.**	**5983.4**
Stddev	15.8	394.	151.5
%RSD	.31575	.46920	2.5323
#1	5000.2	83619.	6090.5
#2	4977.9	84176.	5876.2

Sample Name: CCVL2994499 Acquired: 11/17/2014 20:20:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01262**	**.10803**	**.01533**	**.10229**	**.01076**	**.00109**	**.11535**	**.21173**	**.00528**	**.01073**	**.00989**	**.01428**
Stddev	.00027	.00182	.00516	.00062	.00003	.00001	.00068	.00676	.00009	.00018	.00010	.00027
%RSD	2.1402	1.6843	33.677	.60617	.29174	1.2041	.59384	3.1946	1.7593	1.7189	1.0530	1.9013
#1	.01243	.10674	.01168	.10273	.01079	.00108	.11583	.21651	.00521	.01086	.00997	.01409
#2	.01282	.10932	.01897	.10185	.01074	.00110	.11486	.20694	.00534	.01060	.00982	.01447
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000											
Range	20.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10663**	**3.2404**	**.01088**	**.21614**	**.01049**	**.02115**	F **1.3637**	**.04099**	**2.8643**	W **.01080**	**.01137**	**.00953**
Stddev	.00016	.0346	.00087	.00199	.00007	.00013	.0134	.00011	.0034	.00099	.00219	.00065
%RSD	.14909	1.0681	7.9664	.92046	.63482	.62067	.98361	.27045	.11952	9.1672	19.240	6.8169
#1	.10652	3.2648	.01150	.21474	.01045	.02124	1.3732	.04106	2.8619	.01010	.01292	.00907
#2	.10675	3.2159	.01027	.21755	.01054	.02105	1.3542	.04091	2.8667	.01150	.00983	.00999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value							1.0000			.00900		
Range							30.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01618**	**.48508**	**.10803**	**.01018**	W **.01929**	**.01049**	**.01773**	**.06721**	**.00995**	**.01985**	**.01372**
Stddev	.00026	.01328	.00140	.00007	.00136	.00007	.00035	.00008	.00010	.00012	.00240
%RSD	1.6297	2.7372	1.3005	.70253	7.0736	.66969	1.9767	.12009	1.0344	.60296	17.522
#1	.01600	.47570	.10902	.01023	.01833	.01054	.01748	.06726	.00988	.01993	.01542
#2	.01637	.49447	.10703	.01013	.02026	.01044	.01797	.06715	.01002	.01976	.01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.01500						
Range					20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4985.9**	**84631.**	**6085.9**
Stddev	34.4	410.	13.3
%RSD	.68895	.48493	.21895
#1	5010.1	84922.	6076.4
#2	4961.6	84341.	6095.3

Sample Name: 280-62478-A-1-A Acquired: 11/17/2014 20:23:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**1.2997**	**.41234**	**21.714**	**.36909**	**-.00024**	**.01562**	**85.158**	**-.00305**
Stddev	.00004	.0035	.00376	.015	.00335	.00001	.00035	1.505	.00007
%RSD	2.2135	.26921	.91122	.07109	.90659	2.5988	2.2331	1.7677	2.1767
#1	.00198	1.3022	.40968	21.703	.37145	-.00023	.01537	86.223	-.00310
#2	.00204	1.2972	.41500	21.725	.36672	-.00024	.01586	84.094	-.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04200**	**.55487**	**.01494**	**10.037**	F **990.57**	**.16990**	**167.29**	**1.2254**	**.02115**
Stddev	.00016	.00069	.00031	.147	50.86	.00076	.09	.0013	.00045
%RSD	.38706	.12508	2.0581	1.4671	5.1342	.44949	.05498	.10718	2.1359
#1	.04189	.55536	.01472	10.142	1026.5	.17044	167.23	1.2245	.02147
#2	.04212	.55438	.01516	9.9334	954.61	.16936	167.36	1.2263	.02083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					500.00				
Low Limit					-2.0000				

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3013.0**	**.16570**	**11.727**	**.00635**	**80.708**	**.02985**	**.02586**	**32.541**	**.05179**
Stddev	32.6	.00044	.018	.00135	.006	.00075	.00163	.499	.00037
%RSD	1.0820	.26317	.15284	21.251	.00760	2.5209	6.2909	1.5344	.71789
#1	3036.1	.16540	11.714	.00731	80.712	.02931	.02701	32.894	.05206
#2	2990.0	.16601	11.739	.00540	80.703	.03038	.02471	32.188	.05153
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84268**	**.01762**	**.89489**	**-.00824**	**-.02322**	**.25932**	**.11519**	**.37733**
Stddev	.00792	.00056	.00124	.00219	.03951	.00020	.00028	.00168
%RSD	.93993	3.1954	.13863	26.522	170.16	.07875	.24091	.44445
#1	.84828	.01802	.89401	-.00670	-.05116	.25918	.11539	.37851
#2	.83708	.01723	.89576	-.00979	.00472	.25947	.11500	.37614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4205.2**	**70612.**	**5931.0**
Stddev	3.6	12.	323.7
%RSD	.08650	.01647	5.4582
#1	4207.8	70620.	5702.1
#2	4202.6	70604.	6159.9

Sample Name: 280-62478-A-1-A SD@5 Acquired: 11/17/2014 20:26:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.26025**	**.07505**	**4.4592**	**.06877**	**-.00001**	**.00232**	**15.747**	**-.00053**
Stddev	.00045	.00002	.00102	.0244	.00072	.00004	.00309	.041	.00009
%RSD	48.027	.00763	1.3566	.54617	1.0524	322.67	133.47	.25900	16.628
#1	.00125	.26026	.07433	4.4420	.06826	.00001	.00013	15.718	-.00059
#2	.00061	.26024	.07577	4.4765	.06928	-.00004	.00450	15.776	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00824**	**.10510**	**.00327**	**1.8988**	W **184.68**	**.03304**	**31.948**	**.22793**	**.00381**
Stddev	.00018	.00045	.00033	.0101	.44	.00129	.101	.00064	.00024
%RSD	2.1378	.42732	9.9926	.53025	.23707	3.9073	.31700	.27868	6.2932
#1	.00837	.10479	.00351	1.8917	184.37	.03213	31.877	.22748	.00364
#2	.00812	.10542	.00304	1.9059	184.99	.03396	32.020	.22838	.00398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					100.00				
Low Limit					-.50000				

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **551.22**	**.03214**	**2.1993**	**.00210**	**15.260**	**.00519**	**.00344**	**6.1113**	**.01042**
Stddev	2.91	.00000	.0095	.00028	.092	.00017	.00158	.0397	.00051
%RSD	.52779	.00191	.43368	13.204	.60329	3.3572	45.966	.64971	4.8898
#1	549.16	.03214	2.1926	.00190	15.195	.00507	.00232	6.1394	.01006
#2	553.28	.03214	2.2061	.00229	15.325	.00531	.00456	6.0832	.01078
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15672**	**.00525**	**.16740**	**-.00016**	**.01454**	**.04754**	**.02123**	**.06732**
Stddev	.00067	.00064	.00061	.00026	.02438	.00006	.00007	.00112
%RSD	.43014	12.184	.36247	164.69	167.73	.12386	.34837	1.6673
#1	.15624	.00570	.16697	.00003	.03178	.04750	.02129	.06811
#2	.15719	.00479	.16783	-.00034	-.00270	.04759	.02118	.06653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4788.2**	**81267.**	**6465.0**
Stddev	7.4	264.	3.0
%RSD	.15510	.32495	.04570
#1	4793.4	81454.	6467.1
#2	4782.9	81081.	6462.9

Sample Name: 280-62478-A-1-B MS Acquired: 11/17/2014 20:29:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06222**	W **3.7689**	**1.4605**	**23.117**	**2.4229**	**.04832**	**2.1246**	**135.49**	**.09264**
Stddev	.00145	.0141	.0047	.027	.0115	.00008	.0043	.30	.00025
%RSD	2.3235	.37524	.31985	.11575	.47646	.17383	.20254	.22210	.27121
#1	.06119	3.7789	1.4572	23.099	2.4148	.04826	2.1215	135.27	.09246
#2	.06324	3.7589	1.4638	23.136	2.4311	.04838	2.1276	135.70	.09282
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50886**	**.74325**	**.25203**	**11.174**	F **1036.9**	**1.2495**	**214.84**	**1.7366**	**1.1043**
Stddev	.00003	.00123	.00148	.038	14.5	.0057	1.10	.0008	.0016
%RSD	.00548	.16498	.58873	.33959	1.3967	.45843	.51344	.04479	.14167
#1	.50888	.74412	.25098	11.147	1047.2	1.2455	214.06	1.7361	1.1054
#2	.50884	.74239	.25308	11.201	1026.7	1.2536	215.62	1.7372	1.1032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					500.00				
Low Limit					-2.0000				

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3121.5**	**.62333**	**22.461**	**.46018**	**84.777**	**.55720**	**1.8877**	**32.043**	**1.9259**
Stddev	9.6	.00016	.015	.00151	.131	.00283	.0138	.078	.0079
%RSD	.30688	.02592	.06851	.32797	.15464	.50862	.73212	.24345	.40827
#1	3114.7	.62345	22.472	.45911	84.685	.55921	1.8780	31.988	1.9204
#2	3128.2	.62322	22.450	.46125	84.870	.55520	1.8975	32.098	1.9315
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8412**	**.88586**	**1.9241**	**1.6217**	**1.9093**	**.77186**	**.63413**	**.87435**
Stddev	.0039	.00028	.0009	.0024	.0236	.00179	.00112	.00484
%RSD	.21061	.03107	.04876	.14597	1.2362	.23142	.17599	.55409
#1	1.8385	.88606	1.9234	1.6234	1.8926	.77313	.63334	.87092
#2	1.8440	.88567	1.9247	1.6200	1.9260	.77060	.63492	.87777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.2**	**70019.**	**6037.3**
Stddev	.2	11.	7.6
%RSD	.00418	.01536	.12601
#1	4152.0	70011.	6032.0
#2	4152.3	70026.	6042.7

Sample Name: 280-62478-A-1-C MSD Acquired: 11/17/2014 20:32:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252986 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06182**	W **3.8068**	**1.4744**	**23.929**	**2.4396**	**.04837**	**2.1070**	**138.77**	**.09175**
Stddev	.00021	.0269	.0010	.053	.0152	.00033	.0063	.94	.00007
%RSD	.34090	.70635	.06843	.22346	.62265	.68981	.29998	.68094	.08118
#1	.06197	3.7878	1.4737	23.891	2.4289	.04814	2.1025	138.10	.09170
#2	.06167	3.8258	1.4751	23.967	2.4504	.04861	2.1115	139.44	.09180
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50896**	**.76321**	**.24782**	**11.577**	F **1058.6**	**1.2527**	**222.33**	**1.7894**	**1.0999**
Stddev	.00015	.00056	.00025	.111	14.6	.0048	1.13	.0003	.0007
%RSD	.03008	.07392	.10182	.96163	1.3814	.37986	.50820	.01899	.06676
#1	.50907	.76361	.24764	11.499	1048.3	1.2494	223.13	1.7897	1.1004
#2	.50886	.76281	.24800	11.656	1068.9	1.2561	221.53	1.7892	1.0994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					500.00				
Low Limit					-2.0000				

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3250.7**	**.62777**	**22.834**	**.45438**	**86.845**	**.55244**	**1.8765**	**32.882**	**1.9187**
Stddev	23.3	.00081	.045	.00034	.175	.00155	.0083	.308	.0081
%RSD	.71761	.12921	.19735	.07517	.20173	.27973	.44356	.93556	.42272
#1	3234.2	.62835	22.802	.45462	86.721	.55353	1.8706	32.664	1.9244
#2	3267.2	.62720	22.866	.45414	86.969	.55134	1.8824	33.100	1.9130
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8731**	**.86493**	**1.9604**	**1.6047**	**1.8773**	**.78236**	**.61876**	**.89303**
Stddev	.0124	.00351	.0021	.0011	.0232	.00048	.00008	.00469
%RSD	.65965	.40554	.10784	.06995	1.2341	.06183	.01218	.52538
#1	1.8644	.86245	1.9589	1.6039	1.8937	.78202	.61870	.88971
#2	1.8819	.86741	1.9619	1.6055	1.8610	.78270	.61881	.89635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4144.9**	**69702.**	**6027.9**
Stddev	6.8	290.	63.4
%RSD	.16526	.41663	1.0514
#1	4140.0	69497.	6072.7
#2	4149.7	69908.	5983.1

Sample Name: ccvh-2982968 Acquired: 11/17/2014 20:35:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00684**	**50.313**	**-.00207**	**.09029**	**.00101**	**.00006**	**1.0540**	**-.01920**	**-.00039**	**.00190**	**.00023**	**-.00435**	**49.208**
Stddev	.00004	.135	.00015	.00635	.00020	.00000	.0023	.00059	.00002	.00009	.00015	.00006	.107
%RSD	.51935	.26801	7.1345	7.0286	19.435	2.1998	.22231	3.0787	4.5718	4.8989	66.348	1.3597	.21840
#1	.00682	50.409	-.00217	.09478	.00115	.00006	1.0557	-.01878	-.00038	.00196	.00012	-.00431	49.284
#2	.00687	50.218	-.00196	.08580	.00087	.00006	1.0524	-.01962	-.00040	.00183	.00033	-.00439	49.132
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5483**	**.00318**	**.14069**	**-.00266**	**-.00181**	**254.82**	**.00083**	**.03482**	**.00344**	**5.0491**	**-.00126**	**.00627**	**.02762**
Stddev	.0556	.00128	.00502	.00006	.00016	.60	.00017	.00811	.00167	.0120	.00249	.00255	.00970
%RSD	3.5882	40.230	3.5711	2.3062	8.6320	.23389	19.825	23.296	48.635	.23765	197.60	40.701	35.127
#1	1.5876	.00409	.14424	-.00262	-.00170	255.24	.00095	.04055	.00462	5.0576	-.00302	.00808	.03448
#2	1.5091	.00228	.13714	-.00270	-.00193	254.39	.00072	.02908	.00226	5.0406	.00050	.00447	.02076
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00211**	**.00049**	**4.5106**	**-.01928**	**.00119**	**9.4153**	**.00324**	**-.00097**	**-.03810**
Stddev	.00059	.00012	.0034	.00024	.00008	.0300	.00042	.00015	.00159
%RSD	28.143	23.628	.07449	1.2520	7.0917	.31844	12.866	14.991	4.1772
#1	.00169	.00058	4.5129	-.01911	.00113	9.4365	.00354	-.00086	-.03922
#2	.00253	.00041	4.5082	-.01945	.00125	9.3941	.00295	-.00107	-.03697
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4962.4**	**83714.**	**6403.3**
Stddev	16.6	261.	10.6
%RSD	.33467	.31185	.16482
#1	4950.6	83899.	6395.8
#2	4974.1	83529.	6410.8

Sample Name: ccv-2984587 Acquired: 11/17/2014 20:38:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51265**	**.51559**	**.96751**	F **.56287**	**.49338**	**.48395**	**.00680**	**4.9507**	**.49070**	**.48759**	**.47741**	**.48061**
Stddev	.00094	.00356	.00548	.00206	.00021	.00021	.00195	.0019	.00113	.00011	.00089	.00083
%RSD	.18345	.69083	.56609	.36596	.04162	.04421	28.606	.03859	.23022	.02206	.18557	.17179
#1	.51199	.51810	.96363	.56432	.49323	.48380	.00543	4.9521	.48990	.48767	.47679	.48003
#2	.51332	.51307	.97138	.56141	.49352	.48411	.00818	4.9494	.49150	.48751	.47804	.48119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.000%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5086**	**49.011**	**1.0024**	**18.977**	**.48685**	**.51720**	F **6.4396**	**.48323**	**.96974**	**1.0005**	**.02163**	**1.0319**
Stddev	.0020	.065	.0001	.027	.00079	.00067	.0168	.00150	.00612	.0007	.00746	.0057
%RSD	.07828	.13256	.00991	.14104	.16265	.12929	.26018	.31110	.63113	.07182	34.508	.54869
#1	2.5072	48.965	1.0023	18.958	.48629	.51673	6.4515	.48216	.96541	.99995	.02690	1.0279
#2	2.5100	49.057	1.0025	18.996	.48741	.51767	6.4278	.48429	.97406	1.0010	.01635	1.0359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0595**	**4.8612**	**1.0211**	**.47553**	**.02689**	**.48836**	**1.0307**	**.02045**	**.48550**	**.47004**	**.47642**
Stddev	.0092	.0172	.0005	.00017	.00107	.00047	.0039	.00030	.00215	.00037	.00036
%RSD	.86353	.35459	.04707	.03481	3.9971	.09694	.38082	1.4694	.44198	.07772	.07455
#1	1.0531	4.8490	1.0207	.47541	.02765	.48803	1.0279	.02066	.48399	.46978	.47667
#2	1.0660	4.8734	1.0214	.47565	.02613	.48870	1.0334	.02023	.48702	.47030	.47617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5112.4**	**87464.**	**6518.6**
Stddev	2.8	36.	2.1
%RSD	.05419	.04116	.03247
#1	5114.3	87439.	6517.1
#2	5110.4	87490.	6520.1

Sample Name: CCB Acquired: 11/17/2014 20:40:52 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00161**	**-.00478**	**.00011**	F **.04212**	**.00038**	**.00015**	**-.00290**	**-.00716**	**.00015**	**.00006**	**.00002**	**-.00040**
Stddev	.00001	.00031	.00199	.00113	.00009	.00003	.00120	.00364	.00004	.00014	.00005	.00025
%RSD	.48012	6.4279	1737.3	2.6830	22.521	16.994	41.292	50.896	24.984	225.65	188.69	63.469
#1	.00161	-.00500	-.00129	.04291	.00044	.00013	-.00374	-.00458	.00013	-.00004	-.00001	-.00057
#2	.00160	-.00456	.00152	.04132	.00032	.00017	-.00205	-.00973	.00018	.00016	.00006	-.00022
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00197**	F **.50628**	**.00116**	**.00560**	**.00012**	**.00029**	F **.94669**	**-.00042**	**.00812**	**.00007**	**.02101**	**-.00122**
Stddev	.00250	.00389	.00063	.00258	.00001	.00056	.01613	.00012	.00247	.00013	.00335	.00135
%RSD	127.15	.76886	54.301	46.161	9.9161	191.10	1.7040	29.307	30.446	185.77	15.953	110.92
#1	.00020	.50352	.00160	.00742	.00011	.00069	.95810	-.00051	.00637	.00017	.02338	-.00217
#2	.00373	.50903	.00071	.00377	.00013	-.00010	.93528	-.00034	.00987	-.00002	.01864	-.00026
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000					.20152					
Low Limit		-.25000					-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00097**	**.00010**	**.00010**	**.00347**	**.00053**	**.00026**	**-.01269**	**.00001**	**-.00063**	**-.00027**
Stddev	.00166	.00555	.00022	.00007	.00086	.00005	.00012	.00791	.00014	.00015	.00146
%RSD	160.07	573.64	221.63	68.754	24.786	10.056	45.642	62.325	2246.8	24.570	539.74
#1	.00221	-.00296	.00025	.00005	.00286	.00050	.00018	-.00710	.00010	-.00052	.00076
#2	-.00014	.00490	-.00006	.00015	.00407	.00057	.00035	-.01828	-.00009	-.00074	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5178.8**	**89385.**	**6499.3**
Stddev	6.0	123.	5.3
%RSD	.11539	.13780	.08224
#1	5183.0	89472.	6495.5
#2	5174.6	89298.	6503.1

Sample Name: CCVL2994499 Acquired: 11/17/2014 20:43:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01224**	**.10417**	**.01704**	F **.13637**	**.01068**	**.00113**	**.11939**	**.20201**	**.00506**	**.01013**	**.00985**	**.01447**
Stddev	.00049	.00030	.00192	.00053	.00013	.00008	.00253	.00294	.00014	.00010	.00014	.00009
%RSD	3.9652	.29003	11.239	.38998	1.2549	6.8459	2.1150	1.4541	2.7809	.96272	1.4195	.62592
#1	.01190	.10438	.01839	.13674	.01058	.00118	.11761	.19993	.00496	.01020	.00994	.01441
#2	.01258	.10395	.01568	.13599	.01077	.00107	.12118	.20409	.00516	.01006	.00975	.01454
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000			.10000								
Range	20.000%			30.000%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10550**	**3.4760**	**.01108**	**.21146**	**.01028**	**.02102**	F **1.8263**	**.04068**	**2.8947**	**.01026**	**.02100**	W **.01226**
Stddev	.00002	.0445	.00001	.00103	.00004	.00011	.0079	.00018	.0118	.00015	.00365	.00096
%RSD	.02160	1.2811	.07926	.48909	.34532	.53245	.43038	.44294	.40617	1.5045	17.400	7.8426
#1	.10552	3.4445	.01108	.21073	.01026	.02110	1.8208	.04055	2.8864	.01037	.01842	.01294
#2	.10549	3.5075	.01109	.21219	.01031	.02094	1.8319	.04081	2.9030	.01015	.02359	.01158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn
Value							1.0000					.01000
Range							30.000%					20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01670**	**.49697**	**.10593**	**.01003**	W **.01804**	**.01050**	**.01731**	W **.07499**	**.00970**	**.01924**	**.01456**
Stddev	.00090	.02073	.00093	.00004	.00121	.00013	.00016	.00641	.00036	.00033	.00026
%RSD	5.3976	4.1712	.87911	.35834	6.7337	1.2189	.92874	8.5463	3.7431	1.7401	1.7785
#1	.01734	.48231	.10527	.01001	.01718	.01059	.01719	.07952	.00944	.01901	.01438
#2	.01606	.51162	.10658	.01006	.01890	.01041	.01742	.07046	.00996	.01948	.01475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5181.9**	**89189.**	**6539.9**
Stddev	.5	533.	16.2
%RSD	.00876	.59735	.24829
#1	5182.2	89566.	6551.3
#2	5181.5	88813.	6528.4

Sample Name: MS 280-251925/1-A Acquired: 11/17/2014 20:46:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 251925 6010B (Mn, Ba)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**-.00512**	**.00190**	F **.02724**	**.00033**	**.00009**	**-.00274**	**-.00238**	**.00011**
Stddev	.00032	.00056	.00429	.00051	.00010	.00004	.00122	.00190	.00013
%RSD	22.532	11.006	226.10	1.8631	29.298	38.885	44.471	79.837	119.33
#1	.00120	-.00473	-.00114	.02759	.00026	.00012	-.00188	-.00373	.00020
#2	.00165	-.00552	.00494	.02688	.00039	.00007	-.00360	-.00104	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000					
Low Limit				-.01000					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00018**	**-.00072**	**.00284**	**.37663**	**.00108**	**.00485**	**.00005**	**.00042**
Stddev	.00003	.00002	.00019	.00341	.02876	.00057	.00101	.00002	.00030
%RSD	36.126	14.213	26.994	120.09	7.6368	52.704	20.818	37.841	72.982
#1	-.00005	-.00016	-.00086	.00043	.35629	.00149	.00414	.00006	.00063
#2	-.00009	-.00019	-.00058	.00526	.39697	.00068	.00557	.00004	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.65915**	**-.00023**	**.00263**	**.00070**	**.01635**	**-.00047**	**-.00337**	**.00004**	**.00055**
Stddev	.01230	.00047	.00307	.00017	.00095	.00073	.00341	.00655	.00003
%RSD	1.8662	207.71	116.85	23.892	5.7966	155.56	101.23	18306.	4.8590
#1	.66785	-.00056	.00480	.00058	.01568	-.00098	-.00096	.00467	.00053
#2	.65045	.00011	.00046	.00082	.01702	.00005	-.00579	-.00460	.00056
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.50000								
Low Limit	-.50000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00374**	**.00070**	**-.00193**	**-.00703**	**-.00044**	**-.00066**	**-.00101**
Stddev	.00006	.00040	.00011	.00308	.03141	.00045	.00012	.00163
%RSD	379.18	10.586	16.284	160.06	447.13	101.93	18.175	160.25
#1	-.00003	.00402	.00078	.00025	-.02924	-.00012	-.00057	-.00216
#2	.00006	.00346	.00062	-.00410	.01519	-.00076	-.00074	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5223.2**	**90240.**	**6600.9**
Stddev	12.8	8.	11.2
%RSD	.24598	.00928	.16969
#1	5214.1	90246.	6608.8
#2	5232.3	90234.	6592.9

Sample Name: LCS 280-251925/2-A Acquired: 11/17/2014 20:48:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251925 6010B (Mn, Ba)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05757**	**2.0329**	**.99051**	**1.0841**	**2.0522**	**.04995**	F **2.2782**	**51.082**	**.09546**
Stddev	.00057	.0022	.00591	.0019	.0008	.00009	.0063	.060	.00013
%RSD	.98291	.10715	.59618	.17483	.04023	.18240	.27869	.11666	.13231
#1	.05797	2.0313	.98634	1.0828	2.0528	.04989	2.2737	51.040	.09537
#2	.05717	2.0344	.99469	1.0854	2.0516	.05002	2.2827	51.124	.09555
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750						2.2000		
Low Limit	.04300						1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49268**	**.19657**	**.24770**	**1.0264**	**51.118**	**1.0414**	**48.711**	**.49600**	**1.0994**
Stddev	.00062	.00013	.00092	.0022	.121	.0002	.126	.00081	.0015
%RSD	.12640	.06370	.37218	.21794	.23612	.01892	.25767	.16317	.13951
#1	.49224	.19666	.24836	1.0280	51.032	1.0413	48.800	.49658	1.0983
#2	.49312	.19648	.24705	1.0248	51.203	1.0416	48.622	.49543	1.1005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.784**	**.48667**	**10.331**	**.51239**	**2.1491**	F **.54674**	F **2.2085**	**9.9856**	**2.0981**
Stddev	.224	.00053	.009	.00154	.0116	.00080	.0057	.0202	.0042
%RSD	.41686	.10807	.08429	.30081	.54118	.14686	.26056	.20226	.20002
#1	53.626	.48629	10.325	.51130	2.1409	.54617	2.2125	9.9999	2.0951
#2	53.943	.48704	10.337	.51348	2.1573	.54731	2.2044	9.9713	2.1011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit						.54000	2.2000		
Low Limit						.44000	1.8000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98770**	**.94734**	**1.0061**	**2.0527**	**1.9916**	**.50497**	**.47614**	**.48769**
Stddev	.00006	.00078	.0036	.0035	.0089	.00184	.00479	.00207
%RSD	.00626	.08236	.35841	.17185	.44594	.36463	1.0065	.42378
#1	.98775	.94789	1.0087	2.0552	1.9979	.50628	.47953	.48623
#2	.98766	.94679	1.0036	2.0502	1.9853	.50367	.47275	.48915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4980.9**	**85953.**	**6509.3**
Stddev	3.0	77.	17.2
%RSD	.06010	.08941	.26375
#1	4978.8	85898.	6521.4
#2	4983.0	86007.	6497.2

Sample Name: 280-62114-M-1-A Acquired: 11/17/2014 20:51:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251925 6010B (Mn, Ba)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.02889**	**.00521**	**4.1291**	**.04673**	**-.00004**	**-.00391**	**83.835**	**.00099**
Stddev	.00040	.00056	.00509	.0015	.00028	.00006	.00170	.063	.00012
%RSD	39.334	1.9252	97.808	.03672	.60631	176.04	43.603	.07493	12.023
#1	.00130	.02850	.00881	4.1302	.04693	.00001	-.00270	83.791	.00108
#2	.00074	.02929	.00161	4.1281	.04653	-.00008	-.00511	83.880	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00822**	**.00323**	**.33135**	**16.801**	**.08753**	**475.51**	**.36086**	**.00288**
Stddev	.00026	.00008	.00010	.00144	.220	.00159	1.59	.00024	.00025
%RSD	45.127	.92961	3.0447	.43604	1.3110	1.8125	.33462	.06756	8.7622
#1	.00039	.00817	.00330	.33033	16.645	.08640	474.38	.36104	.00305
#2	.00076	.00828	.00316	.33237	16.956	.08865	476.63	.36069	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1090.0**	**.04539**	**.72749**	**-.00065**	**497.25**	**-.00103**	W **-.00792**	**23.436**	**-.00065**
Stddev	1.4	.00040	.00005	.00052	.31	.00410	.00033	.048	.00085
%RSD	.12653	.89199	.00727	80.610	.06236	397.74	4.2036	.20685	130.34
#1	1089.0	.04567	.72745	-.00102	497.47	-.00393	-.00769	23.470	-.00125
#2	1091.0	.04510	.72752	-.00028	497.03	.00187	-.00816	23.401	-.00005
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	500.00						5.0000		
Low Limit	10.000						-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7448**	**.00549**	**.00162**	**.00360**	**.00742**	**.00275**	**.01335**	**-.00096**
Stddev	.0018	.00008	.00010	.00181	.01332	.00021	.00023	.00376
%RSD	.10088	1.4000	6.1048	50.141	179.45	7.4525	1.7533	392.43
#1	1.7435	.00554	.00155	.00488	-.00200	.00261	.01319	.00170
#2	1.7460	.00543	.00169	.00233	.01684	.00290	.01352	-.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4535.5**	**77555.**	**6316.0**
Stddev	13.8	78.	18.1
%RSD	.30524	.10001	.28687
#1	4545.3	77500.	6303.1
#2	4525.7	77610.	6328.8

Sample Name: 280-62114-M-1-A SD@5 Acquired: 11/17/2014 20:54:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251925 6010B (Mn, Ba)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.00050**	**-.00051**	**.86320**	**.00958**	**.00002**	**-.00161**	**16.727**	**.00050**
Stddev	.00030	.00032	.00431	.00156	.00012	.00008	.00064	.034	.00019
%RSD	22.393	63.713	838.31	.18101	1.2428	448.80	39.621	.20282	38.309
#1	.00113	.00072	.00254	.86430	.00966	.00008	-.00207	16.751	.00036
#2	.00155	.00027	-.00356	.86209	.00949	-.00004	-.00116	16.703	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00164**	**.00046**	**.07807**	**3.6281**	**.01857**	**94.226**	**.07214**	**.00055**
Stddev	.00023	.00015	.00057	.00088	.0066	.00052	.079	.00019	.00044
%RSD	268.66	8.8566	124.87	1.1251	.18148	2.8171	.08365	.26637	79.349
#1	-.00008	.00174	.00086	.07744	3.6328	.01820	94.170	.07200	.00086
#2	.00024	.00154	.00005	.07869	3.6235	.01894	94.282	.07227	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**214.21**	**.00930**	**.15015**	**.00081**	**96.280**	**-.00047**	W **-.00512**	**4.5783**	**-.00069**
Stddev	1.06	.00031	.00397	.00032	.071	.00182	.00165	.0075	.00045
%RSD	.49279	3.3710	2.6446	39.764	.07426	383.78	32.194	.16300	65.173
#1	214.96	.00908	.15296	.00058	96.331	-.00176	-.00395	4.5835	-.00101
#2	213.46	.00952	.14735	.00104	96.230	.00081	-.00629	4.5730	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34377**	**.00456**	**.00077**	**.00007**	**-.00268**	**.00085**	**.00230**	**-.00140**
Stddev	.00074	.00044	.00003	.00075	.00495	.00038	.00016	.00070
%RSD	.21655	9.5592	3.9041	1030.8	185.04	44.325	6.8574	49.977
#1	.34429	.00425	.00079	.00061	.00083	.00059	.00241	-.00190
#2	.34324	.00487	.00075	-.00046	-.00618	.00112	.00219	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4928.9**	**84233.**	**6431.6**
Stddev	6.5	25.	7.7
%RSD	.13135	.03021	.11980
#1	4924.3	84215.	6426.1
#2	4933.4	84251.	6437.0

Sample Name: 280-62114-M-1-B MS Acquired: 11/17/2014 20:57:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251925 6010B (Mn, Ba)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06097**	**1.9293**	**1.0471**	**5.1818**	**2.1383**	**.05033**	**2.2423**	**135.87**	**.09848**
Stddev	.00058	.0007	.0002	.0003	.0035	.00004	.0007	.03	.00010
%RSD	.94939	.03514	.01531	.00593	.16211	.07117	.03085	.01875	.10050
#1	.06056	1.9288	1.0472	5.1820	2.1359	.05030	2.2418	135.89	.09855
#2	.06138	1.9298	1.0469	5.1816	2.1408	.05035	2.2428	135.86	.09841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47614**	**.20307**	**.25482**	**1.3626**	**71.175**	**1.1787**	W **523.77**	**.85860**	**1.1054**
Stddev	.00029	.00012	.00073	.0012	.199	.0033	1.40	.00096	.0002
%RSD	.06037	.05827	.28454	.09095	.28009	.27884	.26699	.11135	.02095
#1	.47594	.20298	.25430	1.3617	71.034	1.1764	522.78	.85792	1.1056
#2	.47635	.20315	.25533	1.3635	71.316	1.1811	524.76	.85927	1.1053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							500.00		
Low Limit							-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1165.4**	**.51042**	**11.673**	**.47580**	**506.24**	**.55632**	**2.3114**	**33.596**	**2.0248**
Stddev	.8	.00013	.027	.00007	.62	.00147	.0055	.026	.0041
%RSD	.06919	.02550	.22920	.01455	.12233	.26407	.23559	.07779	.20055
#1	1164.9	.51032	11.692	.47575	506.67	.55736	2.3153	33.577	2.0277
#2	1166.0	.51051	11.654	.47584	505.80	.55528	2.3076	33.614	2.0220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7853**	**.96609**	**1.0190**	**1.7656**	**1.9580**	**.51525**	**.48448**	**.49181**
Stddev	.0023	.00004	.0005	.0023	.0382	.00250	.00115	.00268
%RSD	.08361	.00399	.04978	.13038	1.9506	.48484	.23650	.54407
#1	2.7836	.96606	1.0187	1.7672	1.9310	.51349	.48529	.48991
#2	2.7869	.96611	1.0194	1.7639	1.9850	.51702	.48367	.49370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4471.3**	**77197.**	**6290.4**
Stddev	4.8	90.	8.7
%RSD	.10640	.11670	.13753
#1	4474.6	77261.	6284.3
#2	4467.9	77134.	6296.6

Sample Name: 280-62114-M-1-C MSD Acquired: 11/17/2014 21:00:00 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251925 6010B (Mn, Ba)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06187**	**1.9176**	**1.0376**	**5.2261**	**2.1096**	**.04988**	**2.2322**	**135.95**	**.09791**
Stddev	.00008	.0057	.0002	.0091	.0005	.00005	.0088	.13	.00024
%RSD	.12207	.29654	.01859	.17349	.02289	.10877	.39569	.09856	.24046
#1	.06182	1.9136	1.0378	5.2197	2.1093	.04992	2.2260	136.04	.09774
#2	.06192	1.9216	1.0375	5.2325	2.1099	.04985	2.2385	135.86	.09807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47265**	**.20214**	**.25495**	**1.3514**	**70.988**	**1.1626**	W **528.04**	**.86058**	**1.0945**
Stddev	.00008	.00019	.00007	.0022	.036	.0016	1.43	.00134	.0008
%RSD	.01762	.09575	.02582	.16564	.05069	.13420	.27132	.15585	.07467
#1	.47259	.20200	.25499	1.3530	71.014	1.1637	527.03	.85964	1.0939
#2	.47271	.20228	.25490	1.3498	70.963	1.1615	529.05	.86153	1.0950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							500.00		
Low Limit							-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1176.1**	**.50720**	**11.657**	**.47153**	**513.80**	**.55252**	**2.3100**	**33.628**	**2.0019**
Stddev	1.2	.00068	.019	.00028	.72	.00228	.0140	.101	.0006
%RSD	.10231	.13374	.16218	.05966	.13937	.41187	.60711	.29952	.03138
#1	1177.0	.50768	11.643	.47173	513.29	.55413	2.3001	33.699	2.0023
#2	1175.2	.50672	11.670	.47133	514.30	.55092	2.3199	33.557	2.0014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7809**	**.96243**	**1.0095**	**1.7497**	**1.9492**	**.51174**	**.48119**	**.48452**
Stddev	.0003	.00383	.0035	.0060	.0012	.00071	.00142	.00226
%RSD	.01088	.39841	.34974	.34213	.06049	.13932	.29481	.46621
#1	2.7811	.95972	1.0070	1.7455	1.9500	.51124	.48220	.48612
#2	2.7807	.96514	1.0120	1.7539	1.9484	.51225	.48019	.48292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4486.7**	**77179.**	**6358.2**
Stddev	2.0	91.	7.1
%RSD	.04428	.11761	.11179
#1	4488.1	77114.	6363.2
#2	4485.3	77243.	6353.1

Sample Name: 280-61901-H-1-A Acquired: 11/17/2014 21:02:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251925 6010B (Mn, Ba)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.01863**	**-.00091**	**.06564**	**.03781**	**.00003**	**-.00619**	**95.458**	**.00031**
Stddev	.00003	.00074	.00248	.00162	.00006	.00001	.00249	.043	.00011
%RSD	1.9009	3.9581	272.53	2.4727	.15219	35.095	40.209	.04486	35.444
#1	.00178	.01915	-.00267	.06679	.03785	.00002	-.00443	95.489	.00023
#2	.00174	.01811	.00085	.06449	.03777	.00004	-.00794	95.428	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00093**	**.00006**	**.04658**	**1.3867**	**.00625**	**35.887**	**.00186**	**.00210**
Stddev	.00006	.00023	.00002	.00278	.0432	.00079	.064	.00002	.00003
%RSD	18.598	25.005	30.889	5.9614	3.1191	12.648	.17936	1.3314	1.2682
#1	-.00030	.00110	.00008	.04855	1.3561	.00569	35.933	.00187	.00208
#2	-.00039	.00077	.00005	.04462	1.4173	.00681	35.842	.00184	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.9129**	**.00080**	**.02318**	**.00050**	**12.838**	**-.00063**	**-.00104**	**11.325**	**-.00007**
Stddev	.0530	.00017	.00082	.00062	.017	.00122	.00103	.028	.00086
%RSD	.89698	20.948	3.5460	123.87	.13244	193.23	99.283	.25124	1168.3
#1	5.9504	.00091	.02260	.00006	12.826	.00023	-.00177	11.345	.00053
#2	5.8754	.00068	.02376	.00095	12.850	-.00149	-.00031	11.305	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09387**	**.00324**	**.00121**	**.00050**	**.01804**	**.00009**	**.00051**	**-.00246**
Stddev	.00014	.00042	.00022	.00117	.00576	.00023	.00031	.00150
%RSD	.15020	12.867	18.108	231.47	31.930	244.57	61.319	60.779
#1	.09397	.00354	.00106	.00133	.01397	-.00007	.00029	-.00140
#2	.09377	.00295	.00137	-.00032	.02211	.00025	.00074	-.00352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5025.8**	**86740.**	**6605.1**
Stddev	3.1	136.	2.8
%RSD	.06240	.15689	.04179
#1	5028.0	86836.	6607.0
#2	5023.6	86644.	6603.1

Sample Name: ccvh-2982968 Acquired: 11/17/2014 21:05:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00584**	**50.942**	**-.00195**	**.02597**	**.00102**	**-.00004**	**1.0749**	**-.01023**	**-.00040**	**.00176**	**.00009**	**-.00467**	**49.637**
Stddev	.00011	.057	.00087	.00043	.00018	.00001	.0017	.00041	.00002	.00028	.00015	.00010	.065
%RSD	1.9087	.11142	44.848	1.6467	17.541	25.087	.16133	3.9657	5.4176	15.842	171.47	2.2407	.13123
#1	.00576	50.982	-.00133	.02567	.00115	-.00005	1.0761	-.01051	-.00042	.00156	.00020	-.00475	49.591
#2	.00592	50.902	-.00256	.02628	.00089	-.00004	1.0737	-.00994	-.00038	.00196	-.00002	-.00460	49.684
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44460**	**.00221**	**.14271**	**-.00302**	**-.00193**	**257.63**	**.00111**	**.01066**	**.00324**	**5.1296**	**-.00261**	**.00121**	**-.01746**
Stddev	.00294	.00027	.00429	.00004	.00002	.22	.00015	.00257	.00158	.0176	.00244	.00473	.01118
%RSD	.66148	12.330	3.0066	1.2510	1.1997	.08672	13.667	24.099	48.825	.34352	93.568	390.15	64.066
#1	.44668	.00202	.13968	-.00299	-.00191	257.47	.00122	.01248	.00212	5.1171	-.00088	.00455	-.00955
#2	.44252	.00240	.14574	-.00304	-.00194	257.78	.00101	.00885	.00436	5.1420	-.00434	-.00213	-.02537
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**.00035**	**4.5387**	**-.01915**	**.00178**	**9.5026**	**.00272**	**-.00111**	**-.03950**
Stddev	.00017	.00005	.0032	.00010	.00010	.0490	.00034	.00035	.00078
%RSD	9.8566	14.547	.06984	.50977	5.7462	.51526	12.580	31.790	1.9745
#1	.00158	.00039	4.5365	-.01908	.00171	9.4680	.00296	-.00136	-.03895
#2	.00182	.00031	4.5410	-.01922	.00185	9.5372	.00248	-.00086	-.04006
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4970.0**	**84584.**	**6462.6**
Stddev	7.8	314.	24.8
%RSD	.15672	.37152	.38431
#1	4964.5	84806.	6445.1
#2	4975.5	84362.	6480.2

Sample Name: ccv-2984587 Acquired: 11/17/2014 21:08:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51831**	**.51841**	**.96991**	**.52906**	**.49640**	**.48828**	**.00818**	**4.9896**	**.49163**	**.48929**	**.47851**	**.48252**
Stddev	.00275	.00147	.00555	.00050	.00025	.00061	.00087	.0197	.00087	.00129	.00025	.00261
%RSD	.53085	.28313	.57207	.09480	.05111	.12538	10.622	.39507	.17751	.26351	.05256	.54134
#1	.52026	.51945	.97383	.52941	.49658	.48871	.00879	5.0036	.49224	.49020	.47869	.48437
#2	.51637	.51737	.96598	.52870	.49622	.48784	.00757	4.9757	.49101	.48838	.47834	.48067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5312**	**49.193**	**1.0116**	**19.150**	**.49132**	**.52056**	F **5.8906**	**.48417**	**.97007**	**1.0042**	**.03085**	**1.0376**
Stddev	.0080	.112	.0009	.048	.00023	.00042	.0057	.00080	.00660	.0026	.00101	.0029
%RSD	.31742	.22816	.09000	.25185	.04603	.08155	.09601	.16457	.68054	.25696	3.2769	.27758
#1	2.5369	49.273	1.0110	19.184	.49148	.52026	5.8946	.48360	.97474	1.0060	.03157	1.0396
#2	2.5256	49.114	1.0122	19.116	.49116	.52086	5.8866	.48473	.96540	1.0024	.03014	1.0355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0690**	**4.9000**	**1.0304**	**.47898**	**.02703**	**.49148**	**1.0332**	**.03785**	**.49023**	**.47204**	**.48265**
Stddev	.0045	.0460	.0015	.00022	.00052	.00024	.0022	.00313	.00087	.00076	.00136
%RSD	.41834	.93833	.14181	.04636	1.9111	.04820	.21007	8.2733	.17764	.16023	.28209
#1	1.0721	4.8675	1.0315	.47914	.02739	.49165	1.0317	.04007	.48961	.47151	.48362
#2	1.0658	4.9325	1.0294	.47882	.02666	.49131	1.0348	.03564	.49084	.47258	.48169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5078.2**	**86615.**	**6441.0**
Stddev	6.3	339.	18.1
%RSD	.12422	.39131	.28069
#1	5073.7	86854.	6428.2
#2	5082.6	86375.	6453.8

Sample Name: CCB Acquired: 11/17/2014 21:10:41 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00154**	**-.00351**	**-.00316**	F **.01937**	**.00030**	**.00013**	**-.00359**	**-.00380**	**.00018**	**.00004**	**-.00004**	**-.00103**
Stddev	.00005	.00075	.00079	.00081	.00012	.00002	.00011	.00048	.00017	.00004	.00016	.00023
%RSD	3.1265	21.366	24.970	4.1781	40.099	13.652	2.9946	12.616	93.382	105.31	373.36	22.810
#1	.00157	-.00298	-.00260	.01994	.00039	.00014	-.00351	-.00414	.00006	.00001	-.00015	-.00119
#2	.00150	-.00404	-.00372	.01880	.00022	.00012	-.00367	-.00346	.00030	.00007	.00007	-.00086
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00433**	F **.33888**	**.00100**	W **.01251**	**.00006**	**.00049**	F **.58460**	**-.00014**	**.00436**	**.00044**	**.02535**	**.00110**
Stddev	.00084	.03873	.00026	.00045	.00005	.00015	.01253	.00034	.00166	.00016	.00126	.00139
%RSD	19.301	11.430	25.526	3.5641	71.278	30.891	2.1436	243.17	38.215	37.609	4.9737	125.89
#1	.00374	.36626	.00118	.01283	.00003	.00038	.59346	.00010	.00553	.00032	.02624	.00209
#2	.00492	.31149	.00082	.01220	.00010	.00059	.57574	-.00038	.00318	.00055	.02446	.00012
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000		.01070			.20152					
Low Limit		-.25000		-.01070			-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00397**	**.00053**	**.00002**	**.00012**	**.00545**	**.00046**	**-.00106**	**-.00705**	**.00017**	**-.00069**	**-.00055**
Stddev	.00355	.00894	.00031	.00002	.00083	.00012	.00054	.01875	.00050	.00021	.00079
%RSD	89.507	1693.4	1789.9	19.690	15.294	26.648	51.197	265.85	297.14	30.434	144.32
#1	-.00648	.00685	.00024	.00010	.00486	.00054	-.00144	.00621	-.00019	-.00084	.00001
#2	-.00146	-.00580	-.00020	.00013	.00604	.00037	-.00067	-.02031	.00053	-.00054	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5101.2**	**88020.**	**6358.3**
Stddev	5.1	801.	4.3
%RSD	.09961	.91007	.06762
#1	5097.6	88586.	6355.3
#2	5104.8	87453.	6361.3

Sample Name: CCVL2994499 Acquired: 11/17/2014 21:13:24 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01199**	**.10614**	**.01397**	**.11887**	**.01077**	**.00103**	**.11877**	**.20227**	**.00520**	**.01025**	**.00998**	**.01405**
Stddev	.00033	.00082	.00283	.00010	.00026	.00004	.00099	.00032	.00008	.00000	.00007	.00008
%RSD	2.7596	.76836	20.236	.08181	2.3765	3.7406	.83679	.15944	1.4865	.02429	.72224	.58713
#1	.01176	.10672	.01197	.11894	.01059	.00106	.11947	.20250	.00526	.01025	.01003	.01410
#2	.01223	.10556	.01597	.11880	.01095	.00100	.11806	.20205	.00515	.01025	.00993	.01399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10533**	**3.3511**	W **.01282**	**.20990**	**.01035**	**.02121**	F **1.5988**	**.04082**	**2.8590**	**.01066**	**.01929**	**.01091**
Stddev	.00032	.0359	.00011	.00042	.00001	.00008	.0163	.00051	.0029	.00125	.00648	.00061
%RSD	.30272	1.0705	.86612	.20152	.13145	.39214	1.0184	1.2412	.10334	11.741	33.587	5.5452
#1	.10556	3.3765	.01275	.20960	.01036	.02115	1.5873	.04046	2.8569	.01154	.02387	.01048
#2	.10511	3.3257	.01290	.21020	.01034	.02127	1.6103	.04118	2.8611	.00977	.01471	.01134
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			20.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01364**	**.50207**	**.10744**	**.01001**	W **.01917**	**.01034**	**.01575**	F **.09869**	**.01046**	**.01925**	**.01389**
Stddev	.00084	.01091	.00004	.00001	.00126	.00004	.00016	.01176	.00020	.00022	.00121
%RSD	6.1373	2.1732	.03732	.05622	6.5724	.35387	1.0136	11.915	1.9087	1.1456	8.6819
#1	.01423	.50979	.10747	.01002	.01828	.01037	.01564	.09038	.01060	.01941	.01474
#2	.01305	.49436	.10741	.01001	.02006	.01032	.01587	.10701	.01031	.01909	.01304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5102.7**	**87247.**	**6352.4**
Stddev	20.9	304.	56.1
%RSD	.40893	.34856	.88315
#1	5087.9	87032.	6392.0
#2	5117.4	87462.	6312.7

Sample Name: MB 280-251729/1-A Acquired: 11/17/2014 21:16:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/7 Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00201**	**-.00487**	**-.00177**	F **.01370**	**.00034**	**-.00001**	**-.00287**	**-.00207**	**.00011**
Stddev	.00047	.00001	.00200	.00001	.00015	.00003	.00107	.00020	.00005
%RSD	23.221	.28542	112.84	.06863	45.910	309.84	37.182	9.8013	42.546
#1	.00234	-.00488	-.00319	.01370	.00023	.00001	-.00362	-.00193	.00008
#2	.00168	-.00486	-.00036	.01369	.00044	-.00003	-.00211	-.00222	.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00343					
Low Limit	-.00093			-.00343					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00024**	**-.00056**	**.00332**	**.21644**	**.00155**	W **.01177**	**.00006**	**-.00004**
Stddev	.00006	.00007	.00026	.00369	.01759	.00030	.00221	.00012	.00007
%RSD	114.66	31.139	46.456	110.99	8.1264	19.465	18.751	219.92	175.70
#1	.00001	-.00019	-.00038	.00071	.20400	.00176	.01333	.00014	.00001
#2	.00010	-.00029	-.00075	.00593	.22887	.00134	.01021	-.00003	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							.01070		
Low Limit							-.01070		

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.51805**	**-.00032**	**.00534**	**-.00077**	**.02956**	**-.00009**	**.00309**	**-.01901**	**.00019**
Stddev	.00177	.00017	.00087	.00047	.00021	.00015	.00110	.00244	.00039
%RSD	.34079	53.399	16.277	60.734	.69692	171.39	35.635	12.853	210.40
#1	.51680	-.00045	.00596	-.00110	.02941	.00002	.00231	-.02073	-.00009
#2	.51930	-.00020	.00473	-.00044	.02970	-.00019	.00387	-.01728	.00046
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.20152								
Low Limit	-.20152								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00262**	**.00024**	**.00054**	**.01433**	**.00005**	**-.00052**	**-.00011**
Stddev	.00001	.00264	.00027	.00138	.00329	.00023	.00018	.00024
%RSD	4.3936	100.72	111.71	253.41	22.941	494.14	33.414	220.02
#1	.00014	.00449	.00043	.00152	.01666	.00021	-.00040	.00006
#2	.00015	.00075	.00005	-.00043	.01201	-.00012	-.00065	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5117.4**	**87909.**	**6340.7**
Stddev	53.5	462.	32.5
%RSD	1.0452	.52553	.51213
#1	5079.6	88236.	6363.7
#2	5155.2	87582.	6317.8

Sample Name: LCS 280-251729/2-A Acquired: 11/17/2014 21:18:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05848**	**2.0758**	**1.0015**	F **1.1071**	**2.0821**	**.05117**	F **2.3097**	**52.365**	**.09636**
Stddev	.00026	.0011	.0061	.0008	.0004	.00001	.0040	.102	.00020
%RSD	.45156	.05410	.61214	.07291	.01706	.01014	.17170	.19396	.20655
#1	.05829	2.0750	.99712	1.1077	2.0823	.05116	2.3125	52.436	.09622
#2	.05866	2.0766	1.0058	1.1065	2.0818	.05117	2.3069	52.293	.09650
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750			1.1000			2.2000		
Low Limit	.04300			.89000			1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50298**	**.20069**	**.24932**	**1.0541**	**52.092**	**1.0564**	**49.745**	**.51160**	F **1.1189**
Stddev	.00000	.00002	.00066	.0004	.045	.0012	.038	.00055	.0006
%RSD	.00046	.00774	.26463	.03583	.08658	.11249	.07553	.10688	.05561
#1	.50298	.20070	.24885	1.0543	52.124	1.0572	49.719	.51121	1.1185
#2	.50297	.20068	.24978	1.0538	52.060	1.0555	49.772	.51199	1.1194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.942**	**.49406**	**10.421**	**.51942**	**2.2015**	F **.55884**	F **2.2333**	**10.443**	**2.1753**
Stddev	.080	.00133	.005	.00121	.0044	.00342	.0037	.021	.0002
%RSD	.14636	.26975	.05001	.23211	.19855	.61203	.16489	.19933	.01038
#1	54.885	.49312	10.417	.51857	2.2046	.55642	2.2359	10.428	2.1751
#2	54.999	.49500	10.425	.52028	2.1984	.56125	2.2307	10.457	2.1755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit						.54000	2.2000		
Low Limit						.44000	1.8000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0012**	**.96871**	**1.0460**	**2.0928**	**2.0239**	**.52160**	**.48938**	**.50472**
Stddev	.0001	.00071	.0005	.0006	.0078	.00006	.00022	.00238
%RSD	.01131	.07308	.05168	.03096	.38531	.01173	.04534	.47192
#1	1.0011	.96821	1.0457	2.0932	2.0294	.52164	.48922	.50641
#2	1.0013	.96921	1.0464	2.0923	2.0184	.52155	.48953	.50304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4960.8**	**84994.**	**6396.5**
Stddev	9.9	147.	27.5
%RSD	.19941	.17297	.43056
#1	4967.8	85098.	6377.0
#2	4953.8	84890.	6416.0

Sample Name: 280-62186-A-2-A Acquired: 11/17/2014 21:21:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**-.02378**	**.00103**	**.84868**	**.01882**	**.00001**	**-.00547**	**443.05**	**.00062**
Stddev	.00061	.00022	.00525	.00101	.00008	.00001	.00024	3.88	.00019
%RSD	43.909	.91875	510.98	.11883	.45167	104.94	4.3685	.87565	30.550
#1	.00182	-.02393	-.00269	.84939	.01888	.00000	-.00530	445.79	.00076
#2	.00096	-.02362	.00474	.84796	.01876	.00002	-.00564	440.31	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00065**	**.00305**	**.00207**	**14.603**	**.45854**	**192.80**	**.08436**	**.01292**
Stddev	.00018	.00005	.00052	.00009	.297	.00165	.15	.00037	.00003
%RSD	22.433	6.9194	16.942	4.3597	2.0349	.36028	.07561	.44100	.26480
#1	.00067	.00062	.00342	.00200	14.392	.45970	192.70	.08410	.01290
#2	.00092	.00068	.00269	.00213	14.813	.45737	192.90	.08463	.01295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1693.1**	**.00579**	**.06138**	**-.00091**	**1258.4**	**-.00186**	**.27055**	**7.9636**	**-.00141**
Stddev	2.5	.00020	.00239	.00195	1.8	.00051	.01201	.0251	.00002
%RSD	.14637	3.5368	3.9008	214.50	.14143	27.268	4.4396	.31580	1.5835
#1	1694.9	.00564	.05969	-.00229	1257.2	-.00222	.26205	7.9814	-.00143
#2	1691.4	.00593	.06308	.00047	1259.7	-.00150	.27904	7.9459	-.00140
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9447**	**.00390**	**.00098**	**.00043**	**.30095**	**.00160**	**.00164**	**-.00054**
Stddev	.2006	.00026	.00021	.00081	.01114	.00018	.00031	.00033
%RSD	2.0171	6.6612	21.668	188.14	3.7010	11.454	18.763	61.600
#1	10.087	.00408	.00083	-.00014	.29308	.00147	.00186	-.00078
#2	9.8028	.00372	.00113	.00100	.30883	.00173	.00143	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4387.2**	**74223.**	**6112.9**
Stddev	9.5	38.	.5
%RSD	.21614	.05157	.00772
#1	4393.9	74196.	6113.2
#2	4380.5	74250.	6112.6

Sample Name: 280-62186-A-4-A Acquired: 11/17/2014 21:24:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.00637**	**-.00099**	**2.0009**	**.01030**	**.00002**	**-.00590**	**401.46**	**.00096**
Stddev	.00015	.00162	.00168	.0051	.00034	.00001	.00161	6.13	.00012
%RSD	9.4885	25.470	169.14	.25316	3.3230	70.116	27.214	1.5269	12.432
#1	.00168	.00752	.00019	1.9973	.01006	.00001	-.00476	405.79	.00088
#2	.00147	.00523	-.00218	2.0045	.01054	.00003	-.00703	397.12	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00008**	**.00413**	**.03258**	**17.568**	**.41507**	**303.69**	**.01189**	**.01054**
Stddev	.00003	.00013	.00011	.00078	.232	.00016	2.15	.00015	.00052
%RSD	2.0390	159.16	2.7123	2.4015	1.3219	.03745	.70813	1.3009	4.9095
#1	.00138	-.00001	.00405	.03202	17.404	.41518	302.17	.01200	.01017
#2	.00134	.00017	.00421	.03313	17.732	.41496	305.21	.01178	.01090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2075.2**	**.00560**	**.10322**	**-.00070**	**1632.8**	**-.00058**	**.08814**	**8.8191**	**-.00167**
Stddev	3.0	.00020	.00141	.00167	2.1	.00070	.00131	.0310	.00123
%RSD	.14271	3.5456	1.3687	238.74	.13073	121.11	1.4830	.35184	73.413
#1	2073.1	.00574	.10223	-.00188	1631.2	-.00008	.08722	8.8411	-.00254
#2	2077.3	.00546	.10422	.00048	1634.3	-.00107	.08907	8.7972	-.00081
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9336**	**.00579**	**.00143**	**.00051**	**.68827**	**.00156**	**.00186**	**-.00045**
Stddev	.0115	.00165	.00007	.00078	.01996	.00000	.00001	.00091
%RSD	.12921	28.561	5.0432	152.12	2.9000	.29833	.75354	203.90
#1	8.9418	.00696	.00138	-.00004	.67415	.00157	.00187	-.00109
#2	8.9255	.00462	.00148	.00107	.70238	.00156	.00185	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4317.1**	**72687.**	**6067.3**
Stddev	3.2	94.	11.2
%RSD	.07368	.12880	.18481
#1	4319.3	72753.	6059.3
#2	4314.8	72620.	6075.2

Sample Name: 280-62186-A-4-A SD@5 Acquired: 11/17/2014 21:27:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**-.01063**	**-.00122**	**.43285**	**.00245**	**.00004**	**-.00178**	**83.086**	**.00053**
Stddev	.00015	.00027	.00164	.00111	.00013	.00020	.00015	.097	.00027
%RSD	9.3233	2.5593	134.79	.25538	5.1674	492.47	8.5215	.11619	50.261
#1	.00172	-.01082	-.00006	.43363	.00253	.00018	-.00188	83.155	.00034
#2	.00151	-.01044	-.00238	.43206	.00236	-.00010	-.00167	83.018	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00006**	**.00036**	**.02127**	**3.5939**	**.08387**	**61.689**	**.00245**	**.00214**
Stddev	.00012	.00003	.00046	.00099	.0372	.00110	.001	.00013	.00003
%RSD	37.381	39.016	129.94	4.6734	1.0344	1.3072	.00180	5.4191	1.6104
#1	.00041	.00008	.00068	.02197	3.6202	.08465	61.689	.00255	.00217
#2	.00024	.00005	.00003	.02057	3.5676	.08310	61.690	.00236	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**411.21**	**.00091**	**.01910**	**.00061**	**356.94**	**-.00124**	**.01956**	**1.7510**	**-.00042**
Stddev	.16	.00059	.00304	.00089	.05	.00139	.00604	.0040	.00002
%RSD	.03980	64.918	15.904	146.15	.01468	111.88	30.881	.22946	4.9299
#1	411.33	.00133	.02124	-.00002	356.90	-.00222	.02383	1.7538	-.00044
#2	411.10	.00049	.01695	.00124	356.98	-.00026	.01529	1.7481	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8092**	**.00355**	**.00046**	**.00130**	**.11022**	**.00108**	**.00032**	**-.00084**
Stddev	.0009	.00019	.00072	.00011	.02583	.00031	.00027	.00093
%RSD	.04817	5.2417	155.22	8.2439	23.439	28.808	84.963	111.23
#1	1.8098	.00342	.00097	.00122	.09195	.00131	.00052	-.00150
#2	1.8086	.00368	-.00005	.00138	.12848	.00086	.00013	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4740.4**	**80073.**	**6171.5**
Stddev	2.8	93.	2.4
%RSD	.05845	.11653	.03839
#1	4738.4	80007.	6169.8
#2	4742.4	80139.	6173.2

Sample Name: 280-62186-A-4-B MS Acquired: 11/17/2014 21:30:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06156**	**1.9201**	**1.0369**	**2.9975**	**2.0377**	**.04914**	**2.2016**	**449.17**	**.09722**
Stddev	.00029	.0056	.0047	.0002	.0016	.00018	.0004	5.96	.00018
%RSD	.46874	.28975	.45855	.00801	.07737	.37421	.01922	1.3264	.18894
#1	.06136	1.9240	1.0336	2.9977	2.0388	.04927	2.2019	444.96	.09709
#2	.06177	1.9162	1.0403	2.9973	2.0366	.04901	2.2013	453.39	.09735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47078**	**.19046**	**.24882**	**1.0631**	**71.369**	**1.4996**	**349.70**	**.50804**	**1.0918**
Stddev	.00037	.00038	.00092	.0020	.175	.0041	.07	.00050	.0021
%RSD	.07811	.19893	.36883	.19007	.24554	.27338	.01971	.09919	.19569
#1	.47104	.19073	.24947	1.0616	71.245	1.5025	349.75	.50840	1.0934
#2	.47052	.19019	.24817	1.0645	71.493	1.4967	349.66	.50768	1.0903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2139.5**	**.46518**	**11.323**	**.45638**	**1649.4**	**.55451**	**2.4924**	**19.290**	**1.9975**
Stddev	.3	.00100	.034	.00102	1.4	.00476	.0063	.059	.0022
%RSD	.01526	.21563	.29837	.22259	.08767	.85847	.25212	.30531	.11216
#1	2139.7	.46589	11.347	.45709	1650.4	.55114	2.4879	19.248	1.9991
#2	2139.3	.46447	11.300	.45566	1648.4	.55787	2.4968	19.331	1.9959
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9513**	**.96330**	**1.0318**	**1.6463**	**2.6263**	**.52094**	**.48311**	**.49449**
Stddev	.2489	.00285	.0022	.0024	.0191	.00263	.00046	.00167
%RSD	2.5008	.29558	.21784	.14318	.72599	.50552	.09451	.33806
#1	9.7753	.96531	1.0333	1.6480	2.6398	.52280	.48343	.49567
#2	10.127	.96129	1.0302	1.6447	2.6128	.51907	.48278	.49330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4277.0**	**72699.**	**6027.3**
Stddev	2.1	30.	8.2
%RSD	.04828	.04141	.13628
#1	4275.5	72678.	6033.1
#2	4278.4	72720.	6021.5

Sample Name: 280-62186-A-4-C MSD Acquired: 11/17/2014 21:33:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06354**	**1.9727**	**1.0763**	**3.0936**	**2.0649**	**.05087**	**2.2775**	**459.10**	**.10080**
Stddev	.00069	.0045	.0069	.0038	.0075	.00008	.0082	3.17	.00015
%RSD	1.0882	.22535	.63989	.12292	.36338	.15865	.35830	.68996	.14843
#1	.06402	1.9758	1.0714	3.0909	2.0596	.05093	2.2832	456.86	.10091
#2	.06305	1.9695	1.0811	3.0963	2.0702	.05081	2.2717	461.34	.10069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48587**	**.19723**	**.25914**	**1.0874**	**73.658**	**1.5424**	**358.84**	**.52391**	**1.1268**
Stddev	.00010	.00035	.00035	.0036	.542	.0076	.43	.00004	.0012
%RSD	.02007	.17883	.13507	.33093	.73621	.49455	.12096	.00824	.10987
#1	.48580	.19698	.25938	1.0848	73.275	1.5370	359.15	.52388	1.1277
#2	.48594	.19748	.25889	1.0899	74.041	1.5478	358.53	.52394	1.1259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2193.5**	**.48094**	**11.741**	**.46975**	**1689.0**	**.57303**	**2.5860**	**19.915**	**2.0547**
Stddev	7.0	.00005	.024	.00115	.2	.00138	.0049	.058	.0035
%RSD	.31796	.01114	.20592	.24427	.01450	.24063	.18879	.29259	.17115
#1	2188.6	.48090	11.724	.47056	1688.9	.57205	2.5894	19.874	2.0572
#2	2198.5	.48098	11.758	.46894	1689.2	.57400	2.5825	19.956	2.0522
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.086**	**1.0005**	**1.0631**	**1.6992**	**2.6556**	**.53791**	**.49487**	**.51069**
Stddev	.011	.0036	.0024	.0001	.0263	.00059	.00179	.00137
%RSD	.11086	.36217	.22323	.00546	.98878	.11016	.36156	.26861
#1	10.094	1.0030	1.0614	1.6991	2.6742	.53750	.49360	.50972
#2	10.078	.99792	1.0647	1.6992	2.6370	.53833	.49613	.51166
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4263.1**	**72712.**	**6120.0**
Stddev	1.8	91.	48.0
%RSD	.04337	.12550	.78370
#1	4261.8	72777.	6153.9
#2	4264.4	72648.	6086.0

Sample Name: ccvh-2982968 Acquired: 11/17/2014 21:36:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**51.210**	**-.00274**	**.01896**	**.00152**	**.00000**	**1.0610**	**.04089**	**-.00037**	**.00168**	**.00032**	**-.00492**	**49.837**
Stddev	.00023	.046	.00654	.00081	.00001	.00002	.0018	.00927	.00012	.00027	.00025	.00046	.159
%RSD	3.8229	.08935	238.80	4.2473	.73497	411.13	.17336	22.666	33.722	16.023	77.038	9.4547	.31903
#1	.00584	51.178	-.00736	.01953	.00151	-.00001	1.0623	.04744	-.00046	.00149	.00050	-.00459	49.724
#2	.00616	51.243	.00189	.01839	.00153	.00002	1.0597	.03433	-.00028	.00187	.00015	-.00525	49.949
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69506**	**.00158**	**.16079**	**-.00288**	**-.00152**	**258.38**	**.00109**	**.00926**	**.00302**	**5.3456**	**-.00273**	**.00402**	**-.00172**
Stddev	.00497	.00009	.00576	.00007	.00006	.08	.00064	.00149	.00093	.0563	.00048	.00527	.01017
%RSD	.71462	5.4987	3.5823	2.5507	4.0531	.03159	59.074	16.090	30.928	1.0535	17.475	131.00	592.38
#1	.69857	.00152	.16486	-.00293	-.00148	258.32	.00154	.01031	.00236	5.3854	-.00307	.00775	.00547
#2	.69155	.00165	.15671	-.00283	-.00157	258.44	.00063	.00821	.00368	5.3058	-.00240	.00030	-.00890
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**.00191**	**4.5112**	**-.01892**	**.00196**	**9.4781**	**.00278**	**-.00061**	**-.03999**
Stddev	.00087	.00004	.0009	.00011	.00166	.0354	.00010	.00018	.00163
%RSD	50.575	1.9803	.02047	.55505	84.922	.37350	3.6477	30.149	4.0752
#1	.00110	.00194	4.5119	-.01884	.00313	9.4531	.00285	-.00048	-.04114
#2	.00233	.00188	4.5106	-.01899	.00078	9.5031	.00270	-.00074	-.03884
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4843.8**	**83580.**	**6354.5**
Stddev	32.7	121.	24.8
%RSD	.67600	.14458	.39009
#1	4866.9	83494.	6372.0
#2	4820.6	83665.	6337.0

Sample Name: ccv-2984587 Acquired: 11/17/2014 21:39:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51961**	**.53160**	**.96756**	**.52533**	**.50040**	**.49433**	**.01000**	**5.1015**	**.49367**	**.49495**	**.48337**	**.47950**
Stddev	.00415	.00269	.00538	.00075	.00021	.00011	.00074	.0113	.00140	.00092	.00102	.00477
%RSD	.79873	.50673	.55590	.14221	.04179	.02202	7.3738	.22106	.28258	.18681	.21046	.99506
#1	.51667	.53350	.97137	.52480	.50055	.49425	.01053	5.1094	.49268	.49560	.48409	.47612
#2	.52254	.52969	.96376	.52585	.50025	.49441	.00948	5.0935	.49466	.49429	.48265	.48287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5771**	**49.794**	**1.0171**	**19.331**	**.49917**	**.52876**	F **6.4334**	**.49043**	**.96825**	**1.0163**	**.21974**	**1.0432**
Stddev	.0097	.096	.0029	.011	.00016	.00052	.0324	.00040	.00877	.0009	.01334	.0054
%RSD	.37743	.19379	.28976	.05708	.03252	.09914	.50360	.08099	.90577	.08511	6.0715	.51846
#1	2.5840	49.862	1.0192	19.339	.49928	.52913	6.4563	.49071	.96205	1.0157	.22918	1.0394
#2	2.5702	49.725	1.0150	19.324	.49905	.52839	6.4105	.49015	.97445	1.0169	.21031	1.0470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0726**	**4.9664**	**1.0439**	**.48195**	**.02954**	**.49795**	**1.0450**	**-.00751**	**.49845**	**.48331**	**.48676**
Stddev	.0038	.0120	.0024	.00063	.00189	.00008	.0054	.00294	.00120	.00292	.00234
%RSD	.35799	.24177	.23263	.13163	6.3934	.01620	.51757	39.094	.24025	.60320	.48034
#1	1.0699	4.9579	1.0456	.48239	.03087	.49800	1.0488	-.00959	.49930	.48538	.48841
#2	1.0753	4.9749	1.0422	.48150	.02820	.49789	1.0412	-.00543	.49761	.48125	.48511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4956.7**	**83979.**	**6173.4**
Stddev	33.2	1402.	2.9
%RSD	.66946	1.6694	.04719
#1	4933.2	82988.	6175.4
#2	4980.1	84971.	6171.3

Sample Name: CCB Acquired: 11/17/2014 21:42:01 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00150**	**-.00503**	**.00031**	F **.01201**	F **.00223**	**.00018**	**-.00225**	**-.00164**	**.00005**	**-.00002**	**-.00015**	**-.00115**
Stddev	.00027	.00026	.00103	.00031	.00012	.00002	.00209	.00322	.00008	.00016	.00019	.00031
%RSD	17.852	5.2378	332.07	2.5978	5.2577	13.195	92.830	196.57	168.64	699.22	121.90	27.172
#1	.00131	-.00521	-.00042	.01223	.00231	.00016	-.00373	-.00392	-.00001	-.00014	-.00002	-.00093
#2	.00169	-.00484	.00104	.01179	.00214	.00019	-.00077	.00064	.00011	.00009	-.00029	-.00137
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312	.00115							
Low Limit	-.00093			-.00312	-.00115							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.02571**	F **.37352**	**.00092**	**.00927**	**.00021**	**.00036**	F **.96532**	**-.00023**	**.00322**	**.00057**	**.12361**	**.00041**
Stddev	.00123	.01433	.00372	.00263	.00009	.00018	.00895	.00032	.00103	.00002	.00559	.00091
%RSD	4.7927	3.8364	405.74	28.422	43.052	50.921	.92767	136.84	31.817	3.4445	4.5208	224.75
#1	.02484	.38365	-.00171	.00741	.00027	.00023	.97165	-.00001	.00250	.00059	.12757	.00105
#2	.02659	.36339	.00355	.01113	.00015	.00049	.95898	-.00046	.00395	.00056	.11966	-.00024
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.02200	.25000					.20152					
Low Limit	-.02200	-.25000					-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**-.00467**	**-.00082**	W **.00033**	**.00439**	**.00042**	**.00007**	**.00602**	**-.00006**	**-.00095**	**-.00127**
Stddev	.00314	.00376	.00121	.00019	.00188	.00012	.00085	.01437	.00010	.00019	.00062
%RSD	281.90	80.521	147.44	58.684	42.734	28.987	1186.7	238.68	179.01	19.676	48.634
#1	.00334	-.00201	-.00168	.00046	.00572	.00033	-.00053	-.00414	-.00013	-.00108	-.00083
#2	-.00111	-.00733	.00004	.00019	.00307	.00050	.00067	.01619	.00002	-.00082	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00030							
Low Limit				-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5019.2**	**85318.**	**6136.6**
Stddev	1.6	444.	26.2
%RSD	.03101	.52074	.42626
#1	5018.1	85632.	6155.1
#2	5020.3	85004.	6118.2

Sample Name: CCVL2994499 Acquired: 11/17/2014 21:44:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01251**	**.10802**	**.01765**	**.11545**	**.01129**	**.00106**	**.11981**	**.21035**	**.00539**	**.01066**	**.00998**	**.01518**
Stddev	.00025	.00040	.00228	.00004	.00001	.00003	.00250	.00059	.00002	.00002	.00001	.00020
%RSD	2.0089	.36824	12.915	.03088	.09000	2.3930	2.0862	.28139	.37765	.22519	.06504	1.3197
#1	.01233	.10774	.01926	.11547	.01129	.00104	.11804	.20993	.00537	.01068	.00998	.01504
#2	.01269	.10830	.01604	.11542	.01130	.00108	.12158	.21077	.00540	.01064	.00997	.01532
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000											
Range	20.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11291**	**3.4446**	F **.01338**	**.21758**	**.01060**	**.02150**	F **1.9566**	**.04113**	**2.9032**	**.01068**	**.11522**	**.01003**
Stddev	.00070	.0056	.00031	.00146	.00000	.00006	.0138	.00035	.0037	.00060	.00150	.00068
%RSD	.61788	.16200	2.2830	.67029	.01272	.28460	.70554	.84690	.12844	5.5813	1.3054	6.7394
#1	.11340	3.4485	.01316	.21861	.01060	.02145	1.9663	.04138	2.9006	.01110	.11415	.00955
#2	.11242	3.4406	.01359	.21655	.01060	.02154	1.9468	.04088	2.9058	.01025	.11628	.01050
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			30.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01789**	**.49611**	**.10995**	**.01017**	**.01781**	**.01071**	**.01713**	W **.07552**	**.00960**	**.02018**	**.01395**
Stddev	.00408	.00874	.00014	.00000	.00045	.00022	.00013	.00394	.00015	.00028	.00017
%RSD	22.792	1.7608	.12331	.03468	2.5231	2.0223	.78510	5.2234	1.5603	1.3758	1.2292
#1	.02077	.50229	.10986	.01016	.01749	.01055	.01722	.07273	.00949	.02038	.01408
#2	.01501	.48994	.11005	.01017	.01813	.01086	.01703	.07830	.00970	.01999	.01383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5074.0**	**87312.**	**6286.3**
Stddev	1.4	145.	72.4
%RSD	.02810	.16550	1.1524
#1	5073.0	87210.	6235.0
#2	5075.0	87415.	6337.5

Sample Name: 280-62186-A-6-A Acquired: 11/17/2014 21:47:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**-.02320**	**.00392**	**1.2698**	**.00873**	**-.00000**	**-.00529**	**479.51**	**.00085**
Stddev	.00009	.00022	.00349	.0022	.00013	.00004	.00448	3.57	.00027
%RSD	7.5169	.95774	89.022	.17302	1.4874	1731.2	84.740	.74367	31.691
#1	.00128	-.02335	.00145	1.2714	.00882	-.00003	-.00846	482.03	.00066
#2	.00115	-.02304	.00639	1.2683	.00864	.00003	-.00212	476.98	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00024**	**.00434**	**.00360**	**17.173**	**.43253**	**271.47**	**.02303**	**.00848**
Stddev	.00021	.00006	.00006	.00173	.293	.00003	1.57	.00004	.00074
%RSD	21.497	25.855	1.3561	48.095	1.7049	.00771	.57835	.18290	8.7194
#1	.00083	.00029	.00430	.00482	16.966	.43255	270.36	.02305	.00900
#2	.00113	.00020	.00438	.00238	17.380	.43251	272.58	.02300	.00796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1681.2**	**.00652**	**.11624**	**-.00194**	**1455.8**	**-.00160**	**.07298**	**9.3349**	**-.00165**
Stddev	2.2	.00003	.00577	.00135	2.8	.00225	.00130	.0092	.00008
%RSD	.12989	.52857	4.9671	69.508	.19289	140.57	1.7842	.09797	5.0599
#1	1679.6	.00650	.12032	-.00099	1457.8	-.00001	.07390	9.3414	-.00171
#2	1682.7	.00655	.11215	-.00289	1453.8	-.00320	.07206	9.3285	-.00159
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9118**	**.00537**	**.00089**	**.00079**	**.72405**	**.00210**	**.00329**	**-.00163**
Stddev	.0302	.00081	.00053	.00112	.00084	.00025	.00096	.00119
%RSD	.30509	15.109	59.804	140.98	.11533	11.704	29.065	72.859
#1	9.9332	.00480	.00052	.00000	.72464	.00227	.00262	-.00247
#2	9.8904	.00594	.00127	.00158	.72346	.00193	.00397	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4333.3**	**73251.**	**6033.4**
Stddev	23.9	125.	59.3
%RSD	.55241	.17058	.98299
#1	4350.2	73339.	6075.4
#2	4316.4	73162.	5991.5

Sample Name: 280-62186-A-8-A Acquired: 11/17/2014 21:50:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00217**	**-.02098**	**.00398**	**2.3842**	**.01500**	**.00011**	**-.00441**	W **545.12**	**.00105**
Stddev	.00103	.00108	.00097	.0040	.00035	.00012	.00008	6.48	.00003
%RSD	47.751	5.1251	24.325	.16743	2.3077	100.77	1.8300	1.1887	2.7007
#1	.00290	-.02022	.00330	2.3813	.01476	.00003	-.00446	549.70	.00103
#2	.00143	-.02174	.00467	2.3870	.01525	.00020	-.00435	540.54	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00116**	**.01399**	**.03435**	**9.4997**	**.36397**	**417.50**	**.24258**	**.00515**
Stddev	.00042	.00001	.00008	.00257	.4590	.00131	3.26	.00060	.00011
%RSD	17.618	.72781	.54891	7.4798	4.8316	.36021	.78077	.24824	2.1147
#1	.00209	.00115	.01405	.03253	9.1751	.36305	419.81	.24301	.00507
#2	.00269	.00117	.01394	.03616	9.8243	.36490	415.20	.24216	.00522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2654.6**	**.01880**	**.18327**	**-.00192**	**1664.8**	**.00297**	**.06262**	**16.322**	**-.00180**
Stddev	16.2	.00018	.00245	.00015	.9	.00135	.00328	.150	.00030
%RSD	.61054	.94728	1.3394	7.9554	.05330	45.341	5.2317	.91830	16.764
#1	2643.1	.01893	.18153	-.00182	1664.2	.00202	.06494	16.216	-.00159
#2	2666.1	.01868	.18500	-.00203	1665.4	.00392	.06031	16.428	-.00202
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **17.485**	**.00579**	**.00064**	**-.00012**	**.60152**	**.00753**	**.00592**	**.00017**
Stddev	.033	.00352	.00023	.00109	.01211	.00031	.00014	.00108
%RSD	.18855	60.760	36.071	903.89	2.0140	4.1121	2.3809	650.58
#1	17.462	.00330	.00080	-.00089	.59295	.00732	.00602	-.00060
#2	17.508	.00827	.00048	.00065	.61009	.00775	.00582	.00093
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4181.5**	**70874.**	**6018.4**
Stddev	12.0	509.	90.7
%RSD	.28707	.71838	1.5069
#1	4173.0	70514.	6082.6
#2	4189.9	71234.	5954.3

Sample Name: 280-62186-A-10-A Acquired: 11/17/2014 21:54:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.02367**	**.00091**	**1.2797**	**.00857**	**.00003**	**-.00355**	**484.03**	**.00091**
Stddev	.00050	.00007	.00203	.0014	.00003	.00009	.00170	4.70	.00004
%RSD	30.550	.28204	223.03	.10912	.37782	352.97	48.011	.97157	4.4359
#1	.00197	-.02362	.00235	1.2788	.00859	-.00004	-.00476	480.71	.00088
#2	.00127	-.02372	-.00053	1.2807	.00855	.00009	-.00235	487.36	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00039**	**.00487**	**.00510**	**17.934**	**.43066**	**268.30**	**.02278**	**.00793**
Stddev	.00023	.00015	.00017	.00377	.118	.00005	.03	.00003	.00027
%RSD	20.003	38.825	3.5861	73.960	.65614	.01130	.01174	.14881	3.4025
#1	.00132	.00050	.00475	.00243	17.851	.43069	268.33	.02281	.00774
#2	.00099	.00028	.00499	.00777	18.017	.43063	268.28	.02276	.00812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1681.4**	**.00671**	**.12662**	**-.00195**	**1463.5**	**-.00065**	**.06543**	**9.3257**	**-.00285**
Stddev	.3	.00043	.00332	.00100	1.5	.00118	.00182	.0060	.00152
%RSD	.02002	6.3819	2.6252	51.405	.10346	182.37	2.7879	.06421	53.356
#1	1681.7	.00701	.12427	-.00265	1462.5	-.00148	.06672	9.3299	-.00392
#2	1681.2	.00641	.12897	-.00124	1464.6	.00019	.06414	9.3215	-.00177
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.071**	**.00311**	**.00074**	**.00146**	**.71573**	**.00180**	**.00416**	**-.00114**
Stddev	.042	.00017	.00023	.00022	.00763	.00096	.00010	.00145
%RSD	.41968	5.3531	30.758	15.106	1.0659	53.317	2.5131	127.22
#1	10.041	.00299	.00058	.00131	.71033	.00248	.00423	-.00011
#2	10.101	.00323	.00090	.00162	.72112	.00112	.00409	-.00216
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4314.1**	**73078.**	**6062.7**
Stddev	6.4	14.	55.4
%RSD	.14907	.01889	.91394
#1	4309.6	73068.	6101.9
#2	4318.7	73088.	6023.5

Sample Name: 280-62186-A-12-A Acquired: 11/17/2014 21:57:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.00431**	**-.00042**	**.01137**	**.00062**	**.00000**	**-.00188**	**.14230**	**-.00001**
Stddev	.00012	.00077	.00067	.00046	.00003	.00001	.00001	.01196	.00007
%RSD	7.6991	17.778	160.10	4.0893	4.2246	345.32	.53167	8.4043	585.43
#1	.00171	-.00377	.00005	.01170	.00060	.00001	-.00188	.15076	.00004
#2	.00153	-.00485	-.00089	.01104	.00064	-.00000	-.00189	.13384	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00002**	**-.00063**	**.00380**	**.62868**	**.00009**	**.06929**	**.00015**	**.00008**
Stddev	.00023	.00018	.00004	.00066	.04392	.00098	.00594	.00004	.00019
%RSD	226.13	865.47	5.7259	17.271	6.9866	1141.1	8.5725	27.490	257.30
#1	.00027	-.00011	-.00061	.00334	.59762	.00078	.07349	.00012	-.00006
#2	-.00006	.00015	-.00066	.00427	.65974	-.00061	.06509	.00018	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2540**	**-.00044**	**.00075**	**.00174**	**.36286**	**.00200**	**.00072**	**.00768**	**.00056**
Stddev	.0674	.00018	.00190	.00089	.04888	.00020	.00668	.00433	.00001
%RSD	2.9916	40.530	251.92	51.141	13.471	10.182	927.88	56.431	1.6606
#1	2.3017	-.00031	.00209	.00237	.39742	.00186	-.00401	.00462	.00055
#2	2.2063	-.00056	-.00059	.00111	.32830	.00214	.00545	.01074	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**.00364**	**.00033**	**.00010**	**.00381**	**-.00015**	**.00062**	**-.00092**
Stddev	.00022	.00182	.00013	.00181	.02035	.00033	.00030	.00024
%RSD	7.6401	49.995	38.120	1901.7	534.46	213.83	48.005	25.970
#1	.00309	.00235	.00042	-.00119	.01820	.00008	.00041	-.00109
#2	.00277	.00492	.00024	.00138	-.01058	-.00039	.00083	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5095.2**	**87616.**	**6313.7**
Stddev	4.0	588.	35.1
%RSD	.07896	.67114	.55544
#1	5092.4	88031.	6338.5
#2	5098.1	87200.	6288.9

Sample Name: 280-62186-A-14-A Acquired: 11/17/2014 22:00:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251729 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**-.02213**	**.00178**	**.49729**	**.01977**	**.00011**	**-.00592**	W **583.40**	**.00108**
Stddev	.00058	.00137	.00566	.00055	.00009	.00001	.00141	2.27	.00014
%RSD	57.142	6.1902	317.84	.11054	.44906	5.3058	23.774	.38979	13.365
#1	.00060	-.02116	-.00222	.49690	.01984	.00011	-.00692	585.01	.00098
#2	.00142	-.02309	.00579	.49768	.01971	.00010	-.00493	581.80	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00051**	**.00637**	**.00466**	**11.533**	**.40257**	**233.26**	**.46133**	**.00426**
Stddev	.00018	.00008	.00007	.00087	.152	.00269	1.01	.00026	.00001
%RSD	16.714	15.042	1.1273	18.757	1.3167	.66898	.43406	.05641	.34256
#1	.00097	.00046	.00632	.00404	11.426	.40447	233.98	.46114	.00427
#2	.00123	.00056	.00642	.00528	11.640	.40066	232.55	.46151	.00425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1554.7**	**.01347**	**.14961**	**.00007**	**1173.3**	**-.00291**	**.02331**	**13.248**	**-.00159**
Stddev	1.2	.00017	.00102	.00248	.1	.00009	.00656	.015	.00082
%RSD	.07740	1.2563	.68325	3708.1	.00961	3.1531	28.142	.11288	51.233
#1	1555.6	.01359	.15033	-.00169	1173.2	-.00297	.01867	13.258	-.00217
#2	1553.9	.01335	.14889	.00182	1173.4	-.00284	.02795	13.237	-.00101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.869**	**.00425**	**.00043**	**.00080**	**.38765**	**.00386**	**.00403**	**-.00040**
Stddev	.117	.00259	.00016	.00106	.03356	.00064	.00086	.00105
%RSD	.91229	61.052	36.766	131.61	8.6562	16.557	21.340	261.71
#1	12.786	.00608	.00031	.00155	.41138	.00341	.00463	.00034
#2	12.952	.00242	.00054	.00006	.36392	.00431	.00342	-.00115
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4300.9**	**73270.**	**6020.1**
Stddev	1.9	24.	.6
%RSD	.04303	.03242	.00941
#1	4299.5	73253.	6019.7
#2	4302.2	73287.	6020.5

Sample Name: 280-61950-A-46-B @5 Acquired: 11/17/2014 22:03:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/4 Custom ID2: Custom ID3:
Comment: 251007 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**-.01738**	**.00606**	**5.3846**	**.00710**	**-.00026**	**.00126**	**2.1193**	**.00151**
Stddev	.00002	.00037	.00411	.0713	.00019	.00009	.00218	.0226	.00008
%RSD	1.6150	2.1190	67.747	1.3243	2.6192	34.744	172.63	1.0679	5.0756
#1	-.00115	-.01764	.00316	5.4350	.00723	-.00033	-.00028	2.1353	.00156
#2	-.00117	-.01712	.00896	5.3342	.00697	-.00020	.00281	2.1033	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00326**	**.00409**	**.39122**	**11.663**	**74.629**	**.00389**	**.36897**	**.07604**	W **10.135**
Stddev	.00014	.00013	.00162	.004	.024	.00114	.00734	.00018	.100
%RSD	4.3876	3.2282	.41511	.03795	.03165	29.310	1.9887	.24243	.98455
#1	.00315	.00418	.39237	11.667	74.645	.00308	.37416	.07617	10.205
#2	.00336	.00400	.39007	11.660	74.612	.00469	.36378	.07591	10.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit									2.0000
Low Limit									-.01000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**89.970**	**.00192**	**1.2069**	**.08144**	**2.7478**	**.08327**	**.02717**	**.64240**	**.01891**
Stddev	.023	.00000	.0047	.00053	.0435	.00253	.00326	.00161	.00015
%RSD	.02587	.01123	.38849	.64678	1.5832	3.0363	11.991	.25005	.77144
#1	89.954	.00192	1.2102	.08181	2.7786	.08505	.02487	.64354	.01901
#2	89.987	.00192	1.2036	.08107	2.7170	.08148	.02947	.64127	.01881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00919**	**-.00197**	**-.00872**	**.00925**	**.05127**	**-.00191**	**2.5026**	**.00337**
Stddev	.00024	.00135	.00014	.00144	.01832	.00011	.0023	.00064
%RSD	2.6636	68.461	1.6192	15.554	35.723	5.7545	.09071	18.941
#1	.00936	-.00102	-.00882	.01027	.06422	-.00199	2.5042	.00382
#2	.00902	-.00292	-.00862	.00823	.03832	-.00183	2.5010	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4939.8**	**85899.**	**6466.6**
Stddev	4.9	88.	8.8
%RSD	.09935	.10234	.13669
#1	4936.3	85837.	6460.3
#2	4943.3	85962.	6472.8

Sample Name: 280-61950-A-16-B @10 Acquired: 11/17/2014 22:06:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/4 Custom ID2: Custom ID3:
Comment: 251000 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**-.02280**	**.02147**	**35.831**	**.00209**	**-.00037**	**-.00557**	**.24680**	**.00030**
Stddev	.00006	.00044	.00397	.457	.00026	.00001	.00197	.00333	.00001
%RSD	3.6559	1.9250	18.476	1.2746	12.198	1.8065	35.291	1.3488	4.4430
#1	-.00170	-.02249	.02427	35.508	.00191	-.00037	-.00696	.24445	.00029
#2	-.00179	-.02311	.01866	36.154	.00227	-.00038	-.00418	.24916	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00446**	**-.00482**	**.05626**	**.05067**	**49.073**	**.00265**	**.01048**	**.00968**	W **15.265**
Stddev	.00011	.00033	.00065	.00057	.310	.00153	.00043	.00001	.230
%RSD	2.3872	6.7772	1.1585	1.1297	.63262	57.811	4.1383	.15187	1.5036
#1	.00438	-.00459	.05580	.05108	48.853	.00373	.01017	.00969	15.103
#2	.00453	-.00505	.05672	.05027	49.292	.00157	.01078	.00967	15.427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit									2.0000
Low Limit									-.01000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**197.57**	**-.00188**	**18.797**	**.11213**	**3.1152**	**.10437**	**.08157**	**4.5866**	**.02174**
Stddev	.93	.00044	.250	.00151	.0375	.00433	.00049	.0018	.00092
%RSD	.47016	23.184	1.3287	1.3493	1.2048	4.1511	.60674	.03959	4.2183
#1	196.91	-.00157	18.620	.11106	3.0887	.10131	.08122	4.5879	.02109
#2	198.23	-.00219	18.973	.11320	3.1417	.10743	.08192	4.5853	.02239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**-.00050**	W **-.01555**	**-.00267**	**.04394**	**-.00302**	**.07362**	**.00358**
Stddev	.00010	.00062	.00020	.00077	.00098	.00014	.00114	.00086
%RSD	5.6097	125.56	1.2772	29.006	2.2231	4.5425	1.5458	23.982
#1	.00187	-.00094	-.01541	-.00212	.04325	-.00292	.07281	.00297
#2	.00173	-.00006	-.01569	-.00322	.04463	-.00311	.07442	.00418
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000					
Low Limit			-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4909.8**	**86493.**	**6589.9**
Stddev	2.8	474.	102.4
%RSD	.05793	.54765	1.5535
#1	4907.8	86158.	6662.3
#2	4911.8	86828.	6517.5

Sample Name: ccvh-2982968 Acquired: 11/17/2014 22:09:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00577**	**51.745**	**-.00578**	**.11669**	**.00088**	**.00001**	**1.0717**	**-.02557**	**-.00041**	**.00178**	**.00024**	**-.00508**	**50.297**
Stddev	.00033	.216	.00076	.01102	.00014	.00001	.0032	.00429	.00005	.00002	.00010	.00015	.213
%RSD	5.6454	.41777	13.114	9.4456	15.909	259.18	.30032	16.763	12.569	1.2309	42.618	3.0038	.42399
#1	.00554	51.898	-.00524	.12448	.00078	-.00000	1.0694	-.02860	-.00038	.00176	.00017	-.00497	50.448
#2	.00600	51.592	-.00632	.10889	.00098	.00002	1.0740	-.02254	-.00045	.00179	.00031	-.00518	50.147
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47991**	**.00238**	**.12179**	**-.00299**	**.00050**	**260.32**	**.00084**	**.00095**	**.00291**	**5.2339**	**-.00072**	**.00304**	**.00129**
Stddev	.03138	.00020	.00295	.00007	.00004	.94	.00008	.00370	.00086	.0113	.00123	.00254	.01112
%RSD	6.5383	8.2796	2.4242	2.3347	7.3598	.36236	9.3149	388.60	29.672	.21584	170.61	83.403	864.79
#1	.50210	.00252	.12388	-.00294	.00053	260.98	.00090	.00356	.00352	5.2259	-.00160	.00484	-.00658
#2	.45772	.00224	.11970	-.00304	.00048	259.65	.00079	-.00166	.00230	5.2419	.00015	.00125	.00915
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00036**	**4.5541**	**-.01920**	**.00073**	**9.5386**	**.00304**	**-.00056**	**-.03865**
Stddev	.00013	.00006	.0069	.00059	.00207	.0300	.00018	.00037	.00009
%RSD	11.898	16.867	.15176	3.0624	284.28	.31443	5.8290	66.331	.23509
#1	.00098	.00031	4.5493	-.01961	.00219	9.5174	.00292	-.00030	-.03858
#2	.00116	.00040	4.5590	-.01878	-.00073	9.5598	.00317	-.00083	-.03871
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4927.5**	**83622.**	**6335.4**
Stddev	19.5	103.	15.5
%RSD	.39560	.12258	.24518
#1	4913.7	83694.	6324.4
#2	4941.3	83549.	6346.4

Sample Name: ccv-2984587 Acquired: 11/17/2014 22:11:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52002**	**.52485**	**.97482**	F **.57830**	**.49932**	**.49186**	**.00902**	**5.0374**	**.49247**	**.49260**	**.48186**	**.48361**
Stddev	.00059	.00372	.00719	.00447	.00285	.00196	.00347	.0331	.00168	.00050	.00010	.00163
%RSD	.11290	.70844	.73803	.77231	.57019	.39838	38.490	.65662	.34060	.10221	.02029	.33701
#1	.51961	.52748	.97990	.58146	.49731	.49047	.00656	5.0140	.49366	.49295	.48179	.48245
#2	.52044	.52222	.96973	.57514	.50134	.49324	.01147	5.0608	.49129	.49224	.48193	.48476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.000%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5514**	**49.541**	**1.0127**	**19.182**	**.49473**	**.52770**	F **6.1101**	**.48730**	**.96614**	**1.0125**	**.11498**	**1.0432**
Stddev	.0086	.141	.0073	.020	.00062	.00181	.0307	.00137	.00391	.0039	.00250	.0075
%RSD	.33793	.28524	.71937	.10598	.12570	.34264	.50310	.28184	.40484	.38923	2.1781	.72114
#1	2.5453	49.441	1.0075	19.168	.49429	.52898	6.0883	.48828	.96891	1.0153	.11675	1.0485
#2	2.5575	49.640	1.0178	19.196	.49517	.52642	6.1318	.48633	.96338	1.0098	.11321	1.0379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0764**	**4.8751**	**1.0380**	**.48002**	**.02704**	**.49563**	**1.0428**	**-.00511**	**.49283**	**.47411**	**.48677**
Stddev	.0061	.0390	.0001	.00303	.00180	.00037	.0063	.01114	.00257	.00093	.00319
%RSD	.56926	.79911	.01347	.63200	6.6663	.07377	.60651	217.76	.52152	.19660	.65558
#1	1.0807	4.8476	1.0381	.47788	.02577	.49537	1.0473	.00276	.49101	.47477	.48452
#2	1.0721	4.9027	1.0379	.48217	.02832	.49589	1.0383	-.01299	.49465	.47345	.48903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5048.6**	**86703.**	**6379.4**
Stddev	3.3	.	10.1
%RSD	.06630	.00048	.15765
#1	5046.2	86704.	6386.5
#2	5051.0	86703.	6372.3

Sample Name: CCB Acquired: 11/17/2014 22:14:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00142**	**-.00503**	**.00127**	F **.04848**	**.00030**	**.00019**	**-.00302**	**-.00601**	**.00011**	**.00016**	**-.00016**	**-.00077**
Stddev	.00066	.00062	.00140	.00239	.00009	.00004	.00047	.00470	.00001	.00015	.00015	.00009
%RSD	46.048	12.273	109.94	4.9300	28.519	21.518	15.549	78.102	6.7912	95.010	92.164	12.272
#1	.00189	-.00459	.00028	.05017	.00024	.00022	-.00269	-.00269	.00011	.00027	-.00006	-.00083
#2	.00096	-.00547	.00226	.04679	.00037	.00016	-.00336	-.00933	.00012	.00005	-.00026	-.00070
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00340**	F **.29176**	**-.00002**	**.00592**	**.00004**	**.00078**	F **.87952**	**-.00041**	**.00144**	**.00037**	**.10456**	**-.00089**
Stddev	.00134	.03471	.00065	.00170	.00000	.00012	.01385	.00038	.00280	.00098	.00057	.00017
%RSD	39.538	11.898	2634.8	28.784	.05463	14.902	1.5744	92.571	193.76	264.69	.54086	19.334
#1	.00245	.31631	.00043	.00472	.00004	.00086	.88931	-.00014	.00342	.00107	.10496	-.00102
#2	.00435	.26722	-.00048	.00713	.00004	.00070	.86973	-.00067	-.00053	-.00032	.10416	-.00077
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000					.20152					
Low Limit		-.25000					-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00365**	**.00736**	**-.00078**	**.00019**	**.00539**	**.00030**	**-.00059**	**.02572**	**.00035**	**-.00124**	**-.00063**
Stddev	.00059	.00150	.00032	.00001	.00189	.00008	.00064	.00780	.00029	.00005	.00023
%RSD	16.318	20.368	41.619	5.0403	35.138	27.566	109.44	30.339	82.375	3.7550	36.543
#1	.00407	.00842	-.00100	.00020	.00405	.00036	-.00104	.03124	.00014	-.00120	-.00079
#2	.00323	.00630	-.00055	.00018	.00673	.00024	-.00013	.02020	.00055	-.00127	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5101.6**	**87693.**	**6371.9**
Stddev	4.3	57.	2.2
%RSD	.08519	.06507	.03486
#1	5098.5	87653.	6373.4
#2	5104.7	87733.	6370.3

Sample Name: CCVL2994499 Acquired: 11/17/2014 22:17:05 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01250**	**.10835**	**.01580**	F **.13928**	**.01061**	**.00107**	**.11849**	**.20796**	**.00527**	**.01028**	**.00982**	**.01451**
Stddev	.00011	.00057	.00114	.00119	.00016	.00001	.00011	.00393	.00005	.00021	.00006	.00011
%RSD	.86293	.52361	7.2229	.85476	1.5414	.47874	.09043	1.8887	.91680	2.0705	.62090	.75776
#1	.01258	.10794	.01500	.14013	.01049	.00107	.11856	.21074	.00531	.01013	.00986	.01459
#2	.01243	.10875	.01661	.13844	.01072	.00107	.11841	.20519	.00524	.01043	.00978	.01443
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000			.10000								
Range	20.000%			30.000%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10367**	**3.3965**	**.00990**	**.21171**	**.01046**	**.02181**	F **1.9038**	**.04086**	**2.9071**	**.01071**	**.10517**	**.01106**
Stddev	.00019	.0088	.00185	.00320	.00006	.00016	.0110	.00043	.0091	.00167	.00483	.00116
%RSD	.18544	.25800	18.706	1.5120	.56730	.74728	.57858	1.0625	.31130	15.555	4.5941	10.496
#1	.10381	3.4027	.01121	.20945	.01051	.02192	1.8961	.04117	2.9007	.01189	.10859	.01188
#2	.10353	3.3903	.00859	.21397	.01042	.02169	1.9116	.04055	2.9135	.00953	.10175	.01024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01500**	**.49706**	**.10822**	**.00994**	W **.01852**	**.01014**	**.01573**	F **.07820**	**.00985**	**.01934**	**.01421**
Stddev	.00273	.02059	.00104	.00006	.00055	.00041	.00119	.00500	.00054	.00044	.00208
%RSD	18.210	4.1418	.96452	.62812	2.9923	4.0590	7.5639	6.3940	5.4644	2.2985	14.624
#1	.01307	.48250	.10896	.00990	.01813	.01043	.01489	.08173	.01023	.01902	.01274
#2	.01694	.51161	.10749	.00999	.01891	.00985	.01658	.07466	.00947	.01965	.01568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5112.0**	**88347.**	**6427.6**
Stddev	8.9	100.	2.3
%RSD	.17506	.11336	.03575
#1	5105.7	88277.	6429.2
#2	5118.3	88418.	6425.9

Sample Name: MB 280-251539/1-A Acquired: 11/17/2014 22:19:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**-.00079**	**-.00063**	**.02880**	**.00076**	**-.00001**	**-.00772**	**.02786**	**.00004**
Stddev	.00064	.00089	.00063	.00073	.00005	.00000	.00216	.00563	.00011
%RSD	40.378	112.75	99.462	2.5265	6.4622	13.005	27.934	20.194	243.02
#1	.00204	-.00016	-.00019	.02931	.00073	-.00001	-.00619	.02388	-.00003
#2	.00113	-.00142	-.00108	.02828	.00080	-.00001	-.00924	.03184	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00004**	**-.00033**	**.01486**	**.28315**	**.00069**	**.00747**	**.00021**	**.00023**
Stddev	.00005	.00003	.00036	.00059	.01242	.00024	.00045	.00003	.00034
%RSD	14.680	64.799	109.29	3.9963	4.3869	35.072	5.9843	12.364	147.93
#1	-.00031	.00006	-.00059	.01528	.29194	.00052	.00716	.00022	-.00001
#2	-.00039	.00002	-.00008	.01444	.27437	.00086	.00779	.00019	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78218**	**-.00062**	**.01180**	**.00111**	**.09843**	**-.00009**	**.00602**	**-.00487**	**.01078**
Stddev	.00084	.00010	.00075	.00068	.00271	.00011	.00147	.02205	.00114
%RSD	.10736	16.214	6.3688	61.316	2.7550	122.68	24.351	452.66	10.600
#1	.78158	-.00070	.01127	.00160	.10034	-.00001	.00705	-.02046	.01159
#2	.78277	-.00055	.01233	.00063	.09651	-.00016	.00498	.01072	.00998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00467**	**.00122**	**-.00233**	**.02561**	**-.00013**	**.00005**	**-.00074**
Stddev	.00006	.00027	.00016	.00067	.00258	.00018	.00021	.00137
%RSD	66.167	5.8141	12.812	28.617	10.059	142.99	418.60	186.18
#1	.00004	.00486	.00111	-.00281	.02379	.00000	-.00010	.00023
#2	.00012	.00448	.00133	-.00186	.02744	-.00026	.00020	-.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5137.2**	**89717.**	**6529.9**
Stddev	1.2	272.	10.2
%RSD	.02383	.30341	.15655
#1	5136.3	89909.	6537.1
#2	5138.0	89524.	6522.7

Sample Name: LCS 280-251539/2-A Acquired: 11/17/2014 22:22:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05681**	**1.9847**	**.94681**	**1.0366**	**1.9939**	**.04947**	**2.2076**	**49.965**	**.09096**
Stddev	.00013	.0015	.00746	.0016	.0019	.00007	.0047	.066	.00021
%RSD	.22609	.07600	.78829	.15217	.09668	.13343	.21414	.13226	.22572
#1	.05691	1.9858	.95209	1.0355	1.9953	.04942	2.2042	49.919	.09111
#2	.05672	1.9836	.94153	1.0377	1.9925	.04951	2.2109	50.012	.09082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48004**	**.19166**	**.24170**	**1.0270**	**49.554**	**1.0119**	**46.745**	**.48523**	**1.0909**
Stddev	.00005	.00063	.00053	.0004	.093	.0033	.030	.00044	.0011
%RSD	.01079	.32626	.21990	.03531	.18752	.32695	.06332	.09026	.10474
#1	.48008	.19210	.24207	1.0273	49.488	1.0143	46.766	.48492	1.0917
#2	.48000	.19121	.24132	1.0267	49.620	1.0096	46.724	.48554	1.0901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.022**	**.47122**	**9.8272**	**.49435**	**2.1147**	**.52331**	**2.0857**	**7.0561**	**2.0486**
Stddev	.230	.00028	.0186	.00177	.0052	.00276	.0005	.0491	.0018
%RSD	.43457	.05962	.18934	.35829	.24764	.52784	.02459	.69605	.08953
#1	52.859	.47102	9.8404	.49310	2.1184	.52526	2.0861	7.0214	2.0473
#2	53.185	.47142	9.8141	.49560	2.1110	.52136	2.0854	7.0909	2.0499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95669**	**.92771**	**.98842**	**1.9876**	**1.9547**	**.49603**	**.46083**	**.47607**
Stddev	.00069	.00162	.00096	.0023	.0335	.00044	.00271	.00086
%RSD	.07236	.17488	.09762	.11542	1.7111	.08802	.58861	.18044
#1	.95718	.92886	.98910	1.9860	1.9311	.49634	.45891	.47668
#2	.95620	.92656	.98774	1.9892	1.9784	.49572	.46275	.47547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4900.7**	**84488.**	**6420.0**
Stddev	10.5	32.	27.9
%RSD	.21507	.03733	.43502
#1	4893.3	84510.	6439.7
#2	4908.2	84466.	6400.2

Sample Name: 280-62169-A-1-A Acquired: 11/17/2014 22:24:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00745**	**19.275**	**.00817**	**.02972**	**.37169**	**-.00162**	**.08185**	**5.1157**	**.00076**
Stddev	.00016	.032	.00073	.00010	.00097	.00007	.00129	.0067	.00031
%RSD	2.0985	.16470	8.8896	.32893	.26120	4.3770	1.5748	.13046	40.332
#1	.00756	19.253	.00868	.02965	.37100	-.00157	.08094	5.1110	.00098
#2	.00734	19.298	.00766	.02979	.37237	-.00167	.08276	5.1204	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01699**	**.83190**	**.08701**	**65.281**	**2.9208**	**.03014**	**3.9042**	**.44405**	**.02095**
Stddev	.00011	.00109	.00011	.312	.0175	.00001	.0043	.00161	.00005
%RSD	.65445	.13155	.13167	.47857	.59983	.02288	.10887	.36180	.22432
#1	.01691	.83113	.08709	65.060	2.9332	.03013	3.9072	.44519	.02098
#2	.01707	.83267	.08692	65.502	2.9084	.03014	3.9012	.44291	.02092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0783**	**.12081**	**1.1457**	**4.1608**	**.85218**	**.01446**	**-.00110**	**2.3359**	**.14397**
Stddev	.0162	.00003	.0041	.0041	.00455	.00241	.00357	.0142	.00064
%RSD	1.5005	.02543	.35691	.09892	.53395	16.634	324.07	.60731	.44216
#1	1.0897	.12083	1.1486	4.1579	.84897	.01276	-.00362	2.3259	.14442
#2	1.0669	.12079	1.1428	4.1638	.85540	.01616	.00142	2.3460	.14352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05705**	**.08442**	**3.7463**	**.00186**	**.01396**	**.44249**	**.10066**	**1.7958**
Stddev	.00016	.00120	.0087	.00038	.01155	.00098	.00164	.0047
%RSD	.28566	1.4199	.23124	20.299	82.756	.22184	1.6310	.26422
#1	.05693	.08527	3.7524	.00213	.02212	.44318	.10182	1.7925
#2	.05716	.08357	3.7402	.00160	.00579	.44180	.09950	1.7992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5255.7**	**90670.**	**6717.4**
Stddev	5.6	507.	19.3
%RSD	.10616	.55910	.28790
#1	5259.7	90312.	6731.1
#2	5251.8	91028.	6703.8

Sample Name: 280-62169-A-1-A SD@5 Acquired: 11/17/2014 22:27:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	W **3.8085**	**.00027**	**.01848**	**.07514**	**-.00040**	**.01203**	**1.0251**	**.00021**
Stddev	.00026	.0074	.00196	.00015	.00063	.00007	.00105	.0085	.00017
%RSD	10.068	.19371	730.96	.83481	.83554	17.855	8.7661	.83212	82.179
#1	.00277	3.8033	.00165	.01858	.07470	-.00045	.01278	1.0190	.00033
#2	.00240	3.8137	-.00112	.01837	.07558	-.00035	.01129	1.0311	.00009
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**.16815**	**.01701**	**13.095**	**.71193**	**.00529**	**.79762**	**.09037**	**.00411**
Stddev	.00016	.00088	.00013	.068	.00220	.00188	.00095	.00032	.00014
%RSD	4.6267	.52189	.77386	.52083	.30899	35.477	.11944	.35405	3.5103
#1	.00327	.16753	.01692	13.047	.71349	.00662	.79694	.09014	.00401
#2	.00349	.16877	.01710	13.143	.71038	.00397	.79829	.09060	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61311**	**.02439**	**.23451**	**.85611**	**.23017**	**.00405**	**.00157**	**.47541**	**.02949**
Stddev	.01437	.00010	.00299	.00275	.00298	.00107	.00238	.01623	.00057
%RSD	2.3430	.39205	1.2737	.32124	1.2953	26.341	151.19	3.4146	1.9394
#1	.60295	.02446	.23240	.85417	.23228	.00329	-.00011	.48689	.02909
#2	.62327	.02433	.23662	.85806	.22806	.00480	.00326	.46393	.02990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	**.02030**	**.74075**	**.00064**	**-.01549**	**.08750**	**.01943**	**.35402**
Stddev	.00002	.00051	.00326	.00183	.02394	.00008	.00062	.00102
%RSD	.17271	2.5010	.43968	288.30	154.50	.09539	3.2127	.28924
#1	.01144	.02066	.73844	-.00066	-.03242	.08756	.01987	.35330
#2	.01141	.01994	.74305	.00193	.00143	.08744	.01899	.35475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5190.5**	**89282.**	**6509.5**
Stddev	13.8	237.	6.8
%RSD	.26604	.26595	.10485
#1	5200.2	89450.	6504.6
#2	5180.7	89114.	6514.3

Sample Name: 280-62169-A-1-B MS Acquired: 11/17/2014 22:30:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05822**	**34.101**	**.88750**	**.98222**	**2.2604**	**.04369**	**2.2109**	**56.876**	**.08692**
Stddev	.00036	.040	.00225	.00366	.0019	.00001	.0034	.078	.00036
%RSD	.62128	.11608	.25353	.37261	.08343	.01972	.15357	.13640	.40960
#1	.05796	34.073	.88591	.97964	2.2618	.04369	2.2133	56.931	.08666
#2	.05847	34.129	.88909	.98481	2.2591	.04368	2.2085	56.821	.08717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46303**	**.88860**	**.28024**	**34.502**	**51.690**	**1.0002**	**50.615**	**.89712**	**1.0348**
Stddev	.00017	.00017	.00032	.011	.052	.0008	.028	.00001	.0023
%RSD	.03593	.01905	.11509	.03321	.10015	.07690	.05462	.00095	.22289
#1	.46292	.88872	.28001	34.511	51.727	.99965	50.635	.89712	1.0332
#2	.46315	.88848	.28047	34.494	51.653	1.0007	50.596	.89711	1.0364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.449**	**.54519**	**10.336**	**3.3634**	**2.6424**	**.46067**	**1.9630**	**8.7638**	**2.0128**
Stddev	.218	.00150	.006	.0010	.0117	.00019	.0039	.0290	.0008
%RSD	.41575	.27445	.06078	.03109	.44261	.04204	.19886	.33047	.04100
#1	52.295	.54413	10.341	3.3626	2.6507	.46080	1.9658	8.7433	2.0133
#2	52.603	.54625	10.332	3.3641	2.6342	.46053	1.9603	8.7843	2.0122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0089**	**.99363**	**5.7244**	**1.8645**	**1.8077**	**.81667**	**.53940**	**1.9549**
Stddev	.0018	.00101	.0029	.0023	.0215	.00149	.00301	.0048
%RSD	.18279	.10194	.04974	.12472	1.1879	.18190	.55732	.24351
#1	1.0102	.99435	5.7264	1.8629	1.8229	.81772	.54152	1.9583
#2	1.0075	.99291	5.7223	1.8662	1.7925	.81562	.53727	1.9516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5198.0**	**89685.**	**6854.8**
Stddev	6.2	336.	64.6
%RSD	.11920	.37494	.94206
#1	5202.4	89447.	6809.1
#2	5193.6	89923.	6900.4

Sample Name: 280-62169-A-1-C MSD Acquired: 11/17/2014 22:32:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05992**	**41.915**	**.90769**	**.99502**	**2.3820**	**.04385**	**2.2999**	**58.721**	**.08854**
Stddev	.00018	.119	.00940	.00074	.0057	.00010	.0028	.228	.00005
%RSD	.30711	.28412	1.0353	.07411	.23868	.22509	.12323	.38757	.05563
#1	.05979	41.831	.91434	.99449	2.3780	.04378	2.3019	58.560	.08851
#2	.06005	41.999	.90105	.99554	2.3860	.04392	2.2979	58.882	.08858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54242**	**1.0249**	**.30043**	**46.389**	**53.463**	**1.0159**	**53.169**	**.95200**	**1.0484**
Stddev	.00103	.0012	.00159	.156	.219	.0029	.032	.00029	.0005
%RSD	.19051	.11761	.52991	.33712	.40976	.29087	.06040	.03090	.04496
#1	.54169	1.0241	.29930	46.278	53.308	1.0138	53.147	.95221	1.0481
#2	.54316	1.0258	.30156	46.500	53.618	1.0180	53.192	.95179	1.0488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.152**	**.55934**	**10.571**	**3.9701**	**3.4159**	**.45513**	**2.0002**	**8.0790**	**2.0468**
Stddev	.317	.00002	.015	.0031	.0073	.00201	.0022	.0562	.0062
%RSD	.59626	.00286	.14047	.07918	.21373	.44118	.11246	.69531	.30350
#1	52.928	.55932	10.560	3.9723	3.4211	.45655	2.0018	8.0393	2.0424
#2	53.376	.55935	10.581	3.9679	3.4108	.45371	1.9986	8.1187	2.0512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0278**	**.99135**	**7.9239**	**1.8957**	**1.8447**	**.86367**	**.56692**	**2.0058**
Stddev	.0028	.00086	.0082	.0012	.0105	.00018	.00068	.0030
%RSD	.27233	.08717	.10347	.06461	.56848	.02036	.11931	.15152
#1	1.0258	.99073	7.9182	1.8949	1.8372	.86355	.56740	2.0036
#2	1.0298	.99196	7.9297	1.8966	1.8521	.86380	.56644	2.0079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5143.1**	**87864.**	**6739.8**
Stddev	7.6	186.	54.2
%RSD	.14795	.21123	.80484
#1	5148.5	87733.	6778.2
#2	5137.7	87995.	6701.4

Sample Name: 280-62169-A-1-A PDS Acquired: 11/17/2014 22:34:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01321**	**19.811**	**.20572**	**.11729**	**.46392**	**.04926**	**.08390**	**25.771**	**.05099**
Stddev	.00016	.013	.00045	.00082	.00041	.00019	.00052	.040	.00036
%RSD	1.2026	.06405	.21833	.70166	.08876	.38272	.61395	.15347	.70992
#1	.01332	19.820	.20604	.11788	.46363	.04913	.08354	25.744	.05125
#2	.01310	19.802	.20541	.11671	.46421	.04940	.08426	25.799	.05074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06701**	**.85402**	**.13534**	**64.335**	**23.329**	**.13592**	**23.420**	**.47934**	**.06941**
Stddev	.00021	.00113	.00078	.061	.009	.00090	.043	.00019	.00018
%RSD	.31268	.13282	.57311	.09517	.03804	.66331	.18322	.03993	.25650
#1	.06687	.85322	.13479	64.379	23.336	.13529	23.389	.47948	.06954
#2	.06716	.85482	.13588	64.292	23.323	.13656	23.450	.47921	.06928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.258**	**.16582**	**3.1266**	**4.0459**	**.81987**	**.10960**	**.21552**	**6.9126**	**.23661**
Stddev	.234	.00023	.0004	.0054	.00026	.00045	.00137	.0183	.00127
%RSD	1.0065	.13703	.01321	.13401	.03175	.41085	.63526	.26487	.53506
#1	23.093	.16598	3.1269	4.0421	.82005	.10992	.21455	6.8997	.23571
#2	23.424	.16566	3.1263	4.0498	.81968	.10928	.21648	6.9256	.23750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10587**	**.27139**	**3.7236**	**.21568**	**.51242**	**.48625**	**.29431**	**1.8107**
Stddev	.00043	.00119	.0053	.00259	.00683	.00049	.00067	.0020
%RSD	.40194	.43820	.14271	1.2009	1.3322	.10048	.22914	.10934
#1	.10617	.27223	3.7199	.21751	.50759	.48590	.29478	1.8093
#2	.10557	.27055	3.7274	.21385	.51725	.48659	.29383	1.8121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.5**	**88640.**	**6693.0**
Stddev	.3	30.	32.1
%RSD	.00517	.03383	.47932
#1	5165.3	88661.	6715.7
#2	5165.7	88619.	6670.3

Sample Name: 280-62169-A-2-A Acquired: 11/17/2014 22:37:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00788**	**64.803**	**.01870**	**.03896**	**.58089**	W **-.00391**	**.16096**	**16.256**	**.00110**
Stddev	.00014	.252	.00078	.00015	.00286	.00005	.00130	.055	.00004
%RSD	1.8117	.38899	4.1846	.38421	.49233	1.2829	.80880	.34011	3.6701
#1	.00778	64.624	.01925	.03885	.57887	-.00388	.16188	16.217	.00107
#2	.00798	64.981	.01814	.03906	.58292	-.00395	.16004	16.295	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						18.000			
Low Limit						-.00200			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03642**	**.82127**	**.13755**	**106.39**	**10.045**	**.06310**	**15.840**	**1.9321**	**.02986**
Stddev	.00009	.00125	.00020	.15	.045	.00022	.004	.0003	.00002
%RSD	.23425	.15222	.14440	.14545	.44339	.34827	.02578	.01733	.06183
#1	.03648	.82038	.13741	106.28	10.013	.06325	15.842	1.9323	.02985
#2	.03636	.82215	.13769	106.50	10.076	.06294	15.837	1.9318	.02987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8768**	**.18677**	**2.9872**	**.58268**	**1.1419**	**-.00317**	**-.00132**	**3.0818**	**.01731**
Stddev	.0065	.00031	.0048	.00100	.0070	.00052	.00045	.0140	.00088
%RSD	.22661	.16411	.16085	.17235	.61068	16.289	33.760	.45457	5.0696
#1	2.8722	.18655	2.9838	.58339	1.1468	-.00353	-.00101	3.0917	.01669
#2	2.8815	.18699	2.9906	.58197	1.1370	-.00280	-.00164	3.0719	.01793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10809**	**.07682**	**7.0220**	**.00598**	**-.00599**	**.66762**	**.25304**	**2.0159**
Stddev	.00037	.00051	.0121	.00007	.01688	.00011	.00048	.0079
%RSD	.33980	.66255	.17170	1.2487	281.55	.01700	.19101	.39112
#1	.10783	.07646	7.0306	.00593	.00594	.66770	.25270	2.0103
#2	.10835	.07718	7.0135	.00603	-.01793	.66754	.25338	2.0214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5207.1**	**88879.**	**6819.2**
Stddev	10.7	13.	11.5
%RSD	.20489	.01459	.16794
#1	5214.6	88888.	6811.1
#2	5199.5	88869.	6827.3

Sample Name: 280-62169-A-3-A Acquired: 11/17/2014 22:40:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	**70.394**	**.02056**	**.03283**	**.47568**	**-.00087**	**.13495**	**18.514**	**.00240**
Stddev	.00031	.016	.00367	.00075	.00022	.00009	.00404	.015	.00018
%RSD	9.9707	.02275	17.864	2.2996	.04725	10.761	2.9924	.07895	7.6900
#1	.00334	70.382	.02316	.03230	.47584	-.00093	.13780	18.524	.00227
#2	.00290	70.405	.01796	.03336	.47552	-.00080	.13209	18.503	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04215**	**.32688**	**.17581**	**107.39**	**9.7726**	**.06206**	**17.236**	**1.7544**	**.00721**
Stddev	.00003	.00015	.00106	.18	.0156	.00120	.013	.0014	.00048
%RSD	.07855	.04551	.60021	.17127	.16001	1.9338	.07344	.08283	6.6223
#1	.04213	.32678	.17507	107.26	9.7836	.06121	17.227	1.7555	.00687
#2	.04218	.32699	.17656	107.52	9.7615	.06291	17.245	1.7534	.00755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3359**	**.31125**	**2.2115**	**2.6705**	**.57214**	**.01462**	**.00276**	**2.8028**	**.02294**
Stddev	.0160	.00015	.0080	.0004	.00112	.00183	.00218	.0053	.00116
%RSD	1.2008	.04679	.36119	.01449	.19500	12.524	78.944	.18908	5.0645
#1	1.3472	.31115	2.2171	2.6703	.57135	.01592	.00122	2.8065	.02376
#2	1.3245	.31135	2.2058	2.6708	.57293	.01333	.00430	2.7990	.02212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11758**	**.05518**	**5.6855**	**.00590**	**-.01170**	**.59641**	**.39798**	**.25983**
Stddev	.00002	.00002	.0031	.00070	.00994	.00110	.00007	.00125
%RSD	.02093	.04192	.05364	11.790	85.005	.18476	.01638	.48111
#1	.11756	.05516	5.6876	.00540	-.00467	.59719	.39803	.26071
#2	.11760	.05519	5.6833	.00639	-.01872	.59563	.39793	.25894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5185.4**	**88790.**	**6730.0**
Stddev	1.4	300.	21.3
%RSD	.02662	.33751	.31644
#1	5186.4	88578.	6714.9
#2	5184.5	89002.	6745.0

Sample Name: 280-62169-A-4-A Acquired: 11/17/2014 22:42:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00457**	**68.927**	**.00739**	**.03526**	**.28076**	W **-.00277**	**.15254**	**38.234**	**.00087**
Stddev	.00018	.280	.00303	.00040	.00028	.00001	.00115	.170	.00025
%RSD	3.9592	.40632	41.032	1.1402	.09817	.30682	.75404	.44526	28.989
#1	.00470	68.729	.00953	.03554	.28056	-.00276	.15335	38.114	.00070
#2	.00444	69.125	.00524	.03497	.28095	-.00278	.15173	38.354	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						18.000			
Low Limit						-.00200			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02411**	**.95009**	**.08867**	**64.768**	**4.2796**	**.03849**	**13.795**	**.87527**	**.01329**
Stddev	.00020	.00260	.00038	.407	.0923	.00159	.013	.00046	.00034
%RSD	.84899	.27375	.43350	.62776	2.1561	4.1247	.09255	.05283	2.5511
#1	.02396	.95193	.08840	64.481	4.2144	.03961	13.804	.87495	.01305
#2	.02425	.94825	.08895	65.056	4.3449	.03736	13.786	.87560	.01353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8741**	**.22788**	**1.3275**	W **19.453**	**1.3247**	**-.00215**	**.00605**	**4.9086**	**.04047**
Stddev	.0129	.00033	.0050	.026	.0040	.00225	.00270	.0266	.00003
%RSD	.44877	.14517	.37830	.13518	.30034	104.31	44.668	.54180	.07680
#1	2.8650	.22811	1.3311	19.472	1.3219	-.00374	.00414	4.8898	.04045
#2	2.8833	.22764	1.3240	19.435	1.3275	-.00056	.00796	4.9274	.04050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000					
Low Limit				-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20494**	**.06467**	**6.5520**	**.00466**	**-.03023**	**.71568**	**.22737**	**.79152**
Stddev	.00072	.00010	.0034	.00001	.01030	.00207	.00100	.00417
%RSD	.34907	.15633	.05217	.20685	34.066	.28983	.43862	.52641
#1	.20444	.06475	6.5496	.00465	-.02295	.71421	.22667	.78858
#2	.20545	.06460	6.5544	.00467	-.03751	.71715	.22808	.79447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5185.6**	**88317.**	**6748.2**
Stddev	12.4	3.	59.4
%RSD	.23918	.00316	.87965
#1	5176.8	88319.	6790.2
#2	5194.3	88315.	6706.2

Sample Name: ccvh-2982968 Acquired: 11/17/2014 22:45:10 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00611**	**51.447**	**-.00149**	**.00940**	**.00098**	**-.00004**	**1.0774**	**-.03191**	**-.00019**	**.00186**	**.00056**	**-.00494**	**49.977**
Stddev	.00063	.134	.00145	.00008	.00032	.00009	.0026	.00664	.00008	.00011	.00022	.00004	.009
%RSD	10.244	.26130	97.215	.90117	33.011	213.16	.24513	20.818	40.232	5.8412	39.369	.75243	.01800
#1	.00655	51.542	-.00047	.00934	.00120	.00002	1.0793	-.02721	-.00013	.00178	.00041	-.00491	49.984
#2	.00566	51.352	-.00252	.00946	.00075	-.00010	1.0755	-.03661	-.00024	.00194	.00072	-.00496	49.971
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14269**	**.00154**	**.12137**	**-.00286**	**-.00158**	**258.57**	**.00100**	**.00062**	**.00541**	**5.1586**	**-.00323**	**.00301**	**-.00459**
Stddev	.04509	.00098	.00081	.00005	.00015	.16	.00012	.00244	.00106	.0042	.00023	.00365	.00590
%RSD	31.602	63.666	.66343	1.7288	9.3335	.06257	11.717	393.69	19.519	.08221	7.0331	121.22	128.69
#1	.11080	.00085	.12080	-.00283	-.00148	258.68	.00108	-.00111	.00616	5.1556	-.00307	.00043	-.00041
#2	.17457	.00224	.12194	-.00290	-.00169	258.45	.00091	.00235	.00466	5.1616	-.00339	.00559	-.00876
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00034**	**4.5451**	**-.01742**	**.00017**	**9.4895**	**.00293**	**-.00110**	**-.03999**
Stddev	.00071	.00007	.0029	.00026	.00172	.0863	.00081	.00080	.00047
%RSD	120.78	20.369	.06392	1.5136	1011.1	.90917	27.764	72.463	1.1862
#1	.00009	.00039	4.5431	-.01724	-.00105	9.4285	.00351	-.00166	-.04033
#2	.00109	.00029	4.5472	-.01761	.00139	9.5505	.00236	-.00054	-.03965
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4956.2**	**84321.**	**6393.8**
Stddev	5.8	40.	.6
%RSD	.11621	.04748	.00940
#1	4960.3	84349.	6394.2
#2	4952.1	84292.	6393.4

Sample Name: ccv-2984587 Acquired: 11/17/2014 22:47:47 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52220**	**.52939**	**.97455**	**.51876**	**.49866**	**.49146**	**.00717**	**5.0212**	**.49311**	**.49208**	**.48028**	**.48366**	**2.5568**
Stddev	.00197	.00186	.00412	.00076	.00094	.00058	.00236	.0022	.00036	.00007	.00047	.00202	.0111
%RSD	.37813	.35223	.42231	.14626	.18926	.11713	32.959	.04328	.07273	.01480	.09723	.41769	.43356
#1	.52360	.52808	.97746	.51930	.49799	.49106	.00550	5.0197	.49337	.49214	.48061	.48509	2.5647
#2	.52081	.53071	.97164	.51822	.49933	.49187	.00885	5.0228	.49286	.49203	.47995	.48224	2.5490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.151**	**1.0085**	**19.257**	**.49632**	**.52901**	**5.4791**	**.48750**	**.97226**	**1.0158**	**.03111**	**1.0439**	**1.0805**	**4.8802**
Stddev	.132	.0022	.004	.00033	.00011	.0156	.00052	.00102	.0008	.00339	.0052	.0047	.0055
%RSD	.26879	.21598	.02280	.06574	.02034	.28438	.10740	.10460	.08075	10.884	.49991	.43822	.11297
#1	49.057	1.0070	19.260	.49655	.52893	5.4901	.48713	.97298	1.0164	.03350	1.0476	1.0838	4.8763
#2	49.244	1.0101	19.254	.49609	.52909	5.4681	.48787	.97154	1.0152	.02871	1.0402	1.0771	4.8841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0401**	**.47887**	**.02864**	**.49775**	**1.0451**	**-.00362**	**.49420**	**.47716**	**.48419**
Stddev	.0042	.00123	.00211	.00020	.0004	.00751	.00103	.00052	.00002
%RSD	.40033	.25638	7.3544	.04086	.03710	207.66	.20917	.10823	.00495
#1	1.0431	.47800	.02715	.49789	1.0448	.00169	.49493	.47752	.48417
#2	1.0372	.47974	.03013	.49760	1.0454	-.00893	.49347	.47679	.48421
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5059.9**	**86719.**	**6449.1**
Stddev	5.6	70.	16.2
%RSD	.11053	.08042	.25117
#1	5063.8	86769.	6437.7
#2	5055.9	86670.	6460.6

Sample Name: CCB Acquired: 11/17/2014 22:50:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00176**	**-.00297**	**-.00079**	F **.00761**	**.00051**	**.00021**	**-.00397**	**-.01013**	**.00016**	**-.00020**	**-.00003**	**-.00092**
Stddev	.00015	.00158	.00077	.00044	.00009	.00006	.00310	.00205	.00010	.00002	.00017	.00037
%RSD	8.6709	53.057	97.137	5.7716	18.561	29.197	78.014	20.254	61.128	10.500	514.11	40.530
#1	.00187	-.00186	-.00025	.00792	.00044	.00026	-.00617	-.01158	.00009	-.00021	-.00015	-.00066
#2	.00166	-.00409	-.00133	.00730	.00057	.00017	-.00178	-.00868	.00022	-.00018	.00009	-.00118
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.02949**	**.10283**	**.00102**	**.00452**	**.00017**	**.00032**	F **.25475**	**-.00052**	**.00298**	**-.00019**	**.03700**	**.00107**
Stddev	.00093	.03034	.00036	.00237	.00006	.00005	.00721	.00030	.00163	.00037	.00292	.00044
%RSD	3.1487	29.500	35.138	52.566	33.105	15.656	2.8305	57.832	54.608	201.66	7.8987	40.788
#1	.03014	.12428	.00076	.00620	.00013	.00028	.25985	-.00074	.00183	-.00045	.03493	.00076
#2	.02883	.08138	.00127	.00284	.00021	.00035	.24965	-.00031	.00413	.00008	.03906	.00138
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.02200						.20152					
Low Limit	-.02200						-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**-.00728**	**.00002**	**.00008**	**.00401**	**.00021**	**.00103**	**-.00355**	**-.00030**	**-.00056**	**-.00103**
Stddev	.00406	.01297	.00034	.00008	.00145	.00003	.00334	.00713	.00059	.00050	.00023
%RSD	373.21	178.20	2173.1	98.046	36.146	14.791	325.18	200.79	195.14	90.074	22.268
#1	.00396	-.01645	-.00023	.00013	.00503	.00019	.00339	-.00860	-.00072	-.00020	-.00087
#2	-.00178	.00189	.00026	.00002	.00298	.00023	-.00134	.00149	.00011	-.00091	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5075.0**	**87708.**	**6357.6**
Stddev	.3	228.	4.2
%RSD	.00604	.26034	.06595
#1	5075.2	87869.	6354.7
#2	5074.7	87546.	6360.6

Sample Name: CCVL2994499 Acquired: 11/17/2014 22:52:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01273**	**.10926**	**.01478**	**.11132**	**.01086**	**.00107**	**.11941**	**.20995**	**.00517**	**.01053**	**.00995**	**.01445**
Stddev	.00014	.00038	.00086	.00063	.00010	.00003	.00217	.00045	.00014	.00006	.00004	.00008
%RSD	1.1178	.34879	5.8422	.56466	.92840	3.1130	1.8163	.21225	2.6846	.53483	.45027	.55173
#1	.01263	.10899	.01417	.11088	.01093	.00105	.11788	.21027	.00527	.01049	.00992	.01451
#2	.01283	.10953	.01539	.11177	.01079	.00110	.12095	.20964	.00508	.01057	.00998	.01439
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000											
Range	20.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11114**	**3.2212**	**.01196**	**.21300**	**.01057**	**.02171**	F **1.3776**	**.04095**	**2.9090**	W **.01121**	**.03087**	**.01192**
Stddev	.00037	.0009	.00018	.00131	.00003	.00005	.0092	.00009	.0010	.00061	.00027	.00194
%RSD	.33578	.02875	1.5167	.61625	.24341	.23661	.66940	.21504	.03497	5.4772	.86914	16.300
#1	.11140	3.2219	.01209	.21393	.01055	.02175	1.3841	.04088	2.9097	.01078	.03068	.01054
#2	.11088	3.2206	.01183	.21208	.01058	.02167	1.3711	.04101	2.9083	.01164	.03106	.01329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value							1.0000			.00900		
Range							30.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01688**	**.50355**	**.11017**	**.01003**	**.01731**	**.01086**	**.01661**	**.07176**	**.00995**	**.02043**	**.01549**
Stddev	.00039	.01408	.00082	.00009	.00109	.00034	.00027	.02089	.00004	.00029	.00066
%RSD	2.2935	2.7961	.74564	.86727	6.2832	3.1659	1.6462	29.116	.42265	1.4204	4.2800
#1	.01715	.49359	.11076	.00997	.01808	.01110	.01642	.05698	.00992	.02063	.01595
#2	.01660	.51351	.10959	.01009	.01654	.01062	.01680	.08653	.00998	.02022	.01502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5078.5**	**87559.**	**6307.5**
Stddev	8.1	741.	35.0
%RSD	.15896	.84613	.55485
#1	5084.2	87035.	6332.2
#2	5072.8	88082.	6282.7

Sample Name: 280-62169-A-6-A Acquired: 11/17/2014 22:55:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00854**	**81.812**	**.02296**	**.03915**	**.61481**	W **-.00304**	**.32151**	**28.741**	**.00612**
Stddev	.00074	.072	.00062	.00012	.00041	.00003	.00209	.015	.00002
%RSD	8.6160	.08748	2.6890	.29930	.06734	1.0016	.64933	.05134	.35128
#1	.00906	81.761	.02252	.03906	.61451	-.00302	.32003	28.731	.00611
#2	.00802	81.862	.02340	.03923	.61510	-.00307	.32298	28.752	.00614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						18.000			
Low Limit						-.00200			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06043**	**.65689**	**.41750**	**132.39**	**9.7639**	**.06703**	**20.002**	**2.2225**	**.01663**
Stddev	.00021	.00105	.00135	.25	.0285	.00052	.013	.0035	.00024
%RSD	.34492	.15994	.32385	.18949	.29227	.78097	.06707	.15549	1.4174
#1	.06058	.65764	.41654	132.21	9.7841	.06666	20.011	2.2250	.01680
#2	.06028	.65615	.41845	132.57	9.7437	.06740	19.992	2.2201	.01647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.1550**	**.49575**	**2.8797**	W **34.650**	**1.4934**	**.12751**	**.00268**	**3.2526**	**.11367**
Stddev	.0032	.00090	.0082	.048	.0050	.00183	.00656	.0162	.00032
%RSD	.03950	.18120	.28436	.13761	.33130	1.4365	244.83	.49766	.28321
#1	8.1572	.49638	2.8855	34.684	1.4969	.12881	-.00196	3.2411	.11390
#2	8.1527	.49511	2.8739	34.617	1.4899	.12622	.00732	3.2640	.11344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000					
Low Limit				-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14538**	**.07273**	W **11.885**	**.01162**	**-.01292**	**1.3146**	**.97048**	**.56724**
Stddev	.00046	.00172	.058	.00007	.01905	.0001	.00022	.00073
%RSD	.31667	2.3615	.48984	.61374	147.38	.00709	.02227	.12950
#1	.14505	.07395	11.926	.01167	-.02639	1.3147	.97032	.56672
#2	.14570	.07152	11.844	.01157	.00054	1.3146	.97063	.56776
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000					
Low Limit			-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5141.7**	**87797.**	**6679.6**
Stddev	7.1	141.	23.0
%RSD	.13797	.16083	.34390
#1	5136.7	87697.	6695.9
#2	5146.7	87897.	6663.4

Sample Name: 280-62169-A-7-A Acquired: 11/17/2014 22:58:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02592**	**63.364**	**.01029**	**.03580**	**.76095**	F **-.02284**	**.93290**	**13.849**	**.00310**
Stddev	.00024	.060	.00227	.00085	.00250	.00003	.00111	.029	.00028
%RSD	.91082	.09416	22.092	2.3863	.32871	.14304	.11854	.21242	8.8794
#1	.02575	63.407	.00868	.03519	.76272	-.02286	.93212	13.870	.00290
#2	.02609	63.322	.01190	.03640	.75918	-.02281	.93368	13.828	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						20.000			
Low Limit						-.00400			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03307**	**1.3363**	**.46753**	**153.76**	**7.8758**	**.04869**	**17.729**	**1.3144**	**.03104**
Stddev	.00050	.0001	.00061	.11	.0035	.00026	.015	.0002	.00010
%RSD	1.5268	.00517	.13113	.07479	.04428	.54411	.08324	.01188	.33401
#1	.03343	1.3363	.46709	153.84	7.8783	.04850	17.739	1.3145	.03112
#2	.03271	1.3364	.46796	153.67	7.8733	.04888	17.718	1.3143	.03097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9916**	**.42326**	**1.5704**	**6.1161**	**1.1236**	**.00345**	**.00334**	**2.7518**	**.48587**
Stddev	.0085	.00041	.0063	.0020	.0035	.00076	.00131	.0174	.00057
%RSD	.10685	.09637	.40054	.03327	.31177	22.073	39.235	.63367	.11813
#1	7.9976	.42355	1.5749	6.1175	1.1211	.00291	.00241	2.7395	.48546
#2	7.9855	.42297	1.5660	6.1146	1.1261	.00399	.00427	2.7641	.48627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10595**	**.23373**	F **41.917**	**.03635**	**-.00815**	**2.5251**	**.45195**	**7.6213**
Stddev	.00044	.00123	.062	.00035	.01525	.0002	.00011	.0251
%RSD	.41182	.52760	.14881	.95681	187.20	.00693	.02470	.32938
#1	.10625	.23286	41.873	.03611	.00264	2.5252	.45203	7.6391
#2	.10564	.23460	41.961	.03660	-.01893	2.5249	.45187	7.6036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			25.000					
Low Limit			-.02000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5448.7**	**93533.**	**6948.0**
Stddev	16.3	33.	41.9
%RSD	.29992	.03485	.60269
#1	5437.1	93556.	6977.6
#2	5460.2	93510.	6918.4

Sample Name: 280-62169-A-8-A Acquired: 11/17/2014 23:00:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06108**	**102.98**	**-.00374**	**.05388**	**1.2934**	F **-.04834**	**1.6012**	**21.458**	**.00529**
Stddev	.00023	.07	.00169	.00097	.0031	.00044	.0212	.030	.00008
%RSD	.37384	.06425	45.229	1.8011	.24304	.91133	1.3255	.14104	1.5411
#1	.06125	102.93	-.00493	.05456	1.2912	-.04803	1.6163	21.436	.00523
#2	.06092	103.02	-.00254	.05319	1.2956	-.04865	1.5862	21.479	.00534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						20.000			
Low Limit						-.00400			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02603**	**4.0129**	**.24508**	**80.290**	**3.2868**	**.04264**	**12.024**	**3.5835**	**.00806**
Stddev	.00126	.0010	.00093	.277	.0261	.00080	.002	.0006	.00056
%RSD	4.8501	.02553	.38014	.34487	.79372	1.8714	.01399	.01592	6.9534
#1	.02513	4.0122	.24442	80.095	3.3053	.04208	12.022	3.5831	.00766
#2	.02692	4.0136	.24573	80.486	3.2684	.04320	12.025	3.5839	.00846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.000**	**.74551**	**.23293**	**.80036**	**.56735**	F **-.03007**	**-.00363**	**3.9153**	**1.7114**
Stddev	.186	.00079	.00096	.00149	.00785	.00292	.00544	.0088	.0037
%RSD	.74287	.10558	.41151	.18570	1.3838	9.7051	149.78	.22357	.21553
#1	24.869	.74607	.23361	.79931	.57290	-.03213	-.00748	3.9215	1.7140
#2	25.131	.74495	.23226	.80141	.56180	-.02800	.00021	3.9091	1.7088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000			
Low Limit						-.02000			

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32572**	**.52530**	F **102.84**	**.08158**	**-.00533**	**6.4075**	**2.0408**	**18.696**
Stddev	.00046	.00281	.50	.00451	.02951	.0010	.0022	.004
%RSD	.13999	.53570	.48521	5.5308	553.44	.01614	.11037	.01906
#1	.32539	.52729	103.19	.08477	-.02620	6.4082	2.0424	18.699
#2	.32604	.52331	102.49	.07839	.01553	6.4068	2.0392	18.694
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			25.000					
Low Limit			-.02000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5263.0**	**89715.**	**6800.8**
Stddev	2.1	164.	38.5
%RSD	.04076	.18315	.56646
#1	5264.5	89599.	6828.0
#2	5261.5	89831.	6773.5

Sample Name: 280-62169-A-9-A Acquired: 11/17/2014 23:03:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00257**	**106.86**	**.02374**	**.05340**	**.55272**	**-.00115**	**.22003**	**56.743**	**.00126**
Stddev	.00043	.03	.00214	.00061	.00054	.00003	.00467	.101	.00002
%RSD	16.593	.02745	9.0165	1.1437	.09726	2.1999	2.1238	.17797	1.7618
#1	.00227	106.88	.02223	.05297	.55234	-.00117	.22334	56.814	.00128
#2	.00287	106.84	.02526	.05383	.55310	-.00113	.21673	56.671	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05907**	**.25342**	**.17293**	**154.95**	**8.5099**	**.07503**	**36.957**	**2.6483**	**.01225**
Stddev	.00019	.00007	.00028	.03	.0051	.00016	.018	.0032	.00006
%RSD	.31448	.02839	.15960	.01663	.05984	.21551	.04756	.12023	.50811
#1	.05894	.25337	.17313	154.93	8.5135	.07492	36.969	2.6505	.01229
#2	.05920	.25347	.17274	154.97	8.5063	.07515	36.945	2.6460	.01220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5696**	**.22328**	**2.8697**	**3.3183**	**1.6828**	**-.00288**	**.00349**	**3.2561**	**.02834**
Stddev	.0130	.00078	.0076	.0080	.0074	.00047	.00526	.0391	.00062
%RSD	.28383	.34831	.26670	.24009	.44198	16.344	150.85	1.2022	2.1931
#1	4.5605	.22383	2.8751	3.3126	1.6775	-.00321	.00721	3.2837	.02790
#2	4.5788	.22273	2.8642	3.3239	1.6880	-.00255	-.00023	3.2284	.02878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38323**	**.04311**	**8.9443**	**.01284**	**.03768**	**.52130**	**.25135**	**.39960**
Stddev	.00022	.00254	.0139	.00137	.02934	.00137	.00133	.00016
%RSD	.05744	5.8852	.15587	10.676	77.879	.26212	.52979	.03892
#1	.38338	.04490	8.9542	.01187	.05843	.52226	.25041	.39949
#2	.38307	.04131	8.9345	.01381	.01693	.52033	.25229	.39971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5137.0**	**87796.**	**6751.5**
Stddev	3.4	99.	56.7
%RSD	.06642	.11241	.83969
#1	5134.6	87726.	6711.4
#2	5139.4	87865.	6791.5

Sample Name: 280-62169-A-10-A Acquired: 11/17/2014 23:06:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**92.555**	**.03013**	**.07150**	**.61095**	**-.00005**	**.14131**	**51.248**	**.00095**
Stddev	.00041	.232	.00376	.00077	.00188	.00004	.00344	.091	.00011
%RSD	21.341	.25098	12.470	1.0724	.30803	75.749	2.4343	.17662	11.576
#1	.00220	92.720	.03279	.07205	.61228	-.00008	.13888	51.312	.00087
#2	.00162	92.391	.02747	.07096	.60961	-.00002	.14375	51.184	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05074**	**.21159**	**.10933**	**138.40**	**10.922**	**.08923**	**33.321**	**3.1104**	**.00449**
Stddev	.00006	.00022	.00064	.56	.008	.00025	.030	.0037	.00001
%RSD	.11795	.10547	.58484	.40552	.07577	.28226	.09034	.12035	.20108
#1	.05079	.21143	.10888	138.80	10.916	.08941	33.300	3.1078	.00449
#2	.05070	.21174	.10978	138.00	10.928	.08906	33.342	3.1131	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2005**	**.24301**	**3.1707**	**.40416**	**.41260**	**-.00242**	**-.00342**	**2.6135**	**.00729**
Stddev	.0237	.00013	.0046	.00237	.00069	.00028	.00225	.0063	.00116
%RSD	.45577	.05377	.14381	.58521	.16752	11.630	65.661	.24168	15.968
#1	5.2172	.24310	3.1674	.40249	.41211	-.00222	-.00501	2.6090	.00811
#2	5.1837	.24291	3.1739	.40584	.41309	-.00262	-.00183	2.6179	.00646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34407**	**.04966**	**5.9701**	**.00974**	**-.01235**	**.33474**	**.24343**	**.08255**
Stddev	.00086	.00036	.0084	.00050	.00310	.00101	.00115	.00087
%RSD	.25030	.72294	.14026	5.1727	25.080	.30083	.47084	1.0534
#1	.34468	.04992	5.9642	.01010	-.01016	.33403	.24262	.08194
#2	.34346	.04941	5.9760	.00938	-.01454	.33545	.24424	.08317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5146.5**	**87782.**	**6685.6**
Stddev	1.1	83.	.2
%RSD	.02206	.09401	.00234
#1	5145.7	87723.	6685.7
#2	5147.3	87840.	6685.5

Sample Name: 280-62169-A-11-A Acquired: 11/17/2014 23:08:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251539 6010B dupont soil (Pb)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**112.09**	**.01183**	**.02562**	**.49888**	W **-.00218**	**.29958**	**52.294**	**.00282**
Stddev	.00018	.32	.00327	.00027	.00231	.00006	.00082	.130	.00020
%RSD	5.3317	.28890	27.653	1.0723	.46402	2.7481	.27225	.24906	7.2149
#1	.00318	112.32	.00951	.02582	.50051	-.00222	.29901	52.387	.00267
#2	.00343	111.86	.01414	.02543	.49724	-.00214	.30016	52.202	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						18.000			
Low Limit						-.00200			

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08414**	**.31171**	**.33695**	**183.23**	**7.6188**	**.05775**	**47.545**	**2.4053**	**.00700**
Stddev	.00025	.00009	.00106	.27	.0116	.00017	.141	.0041	.00015
%RSD	.29429	.02789	.31476	.14849	.15175	.28987	.29621	.16938	2.1412
#1	.08431	.31177	.33770	183.43	7.6106	.05763	47.645	2.4081	.00690
#2	.08396	.31164	.33620	183.04	7.6270	.05787	47.446	2.4024	.00711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7093**	**.24928**	**3.3389**	**4.1586**	**8.4383**	**-.00237**	**-.00091**	**6.6632**	**.00938**
Stddev	.0185	.00026	.0016	.0045	.0091	.00063	.00227	.0021	.00093
%RSD	.49791	.10344	.04708	.10691	.10763	26.723	250.10	.03129	9.9564
#1	3.7224	.24910	3.3400	4.1554	8.4447	-.00192	.00070	6.6647	.00872
#2	3.6963	.24946	3.3377	4.1617	8.4318	-.00282	-.00252	6.6617	.01004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15038**	**.05912**	**9.6611**	**.01312**	**.05773**	**.62869**	**.30318**	**.47250**
Stddev	.00071	.00157	.0263	.00098	.00241	.00100	.00080	.00097
%RSD	.46972	2.6624	.27269	7.4329	4.1658	.15939	.26542	.20443
#1	.15088	.06024	9.6798	.01381	.05603	.62940	.30375	.47318
#2	.14988	.05801	9.6425	.01243	.05943	.62798	.30261	.47181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5175.4**	**88251.**	**6796.5**
Stddev	2.7	66.	32.6
%RSD	.05188	.07463	.47991
#1	5177.3	88205.	6819.6
#2	5173.6	88298.	6773.5

Sample Name: ccvh-2982968 Acquired: 11/17/2014 23:11:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00583**	**51.930**	**.00088**	**.00516**	**.00116**	**-.00007**	**1.0863**	**-.00562**	**-.00025**	**.00182**	**.00040**	**-.00505**	**50.183**
Stddev	.00015	.492	.00180	.00025	.00011	.00005	.0029	.00040	.00005	.00013	.00006	.00042	.476
%RSD	2.5838	.94819	204.18	4.9267	9.6238	74.991	.26898	7.1122	21.710	7.2858	14.523	8.3259	.94828
#1	.00572	52.278	.00215	.00534	.00124	-.00010	1.0883	-.00590	-.00029	.00191	.00044	-.00534	50.520
#2	.00594	51.581	-.00039	.00498	.00108	-.00003	1.0842	-.00534	-.00021	.00173	.00036	-.00475	49.847
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08860**	**.00130**	**.12478**	**-.00251**	**-.00212**	**260.22**	**.00112**	**.00205**	**.00398**	**5.1666**	**-.00264**	**.00006**	**-.00135**
Stddev	.02181	.00160	.00391	.00002	.00013	2.09	.00035	.00162	.00149	.0098	.00081	.00335	.01756
%RSD	24.610	123.10	3.1334	.92562	6.3367	.80334	31.187	78.835	37.472	.18907	30.629	5632.2	1302.2
#1	.07318	.00244	.12754	-.00249	-.00222	261.70	.00136	.00091	.00503	5.1735	-.00321	-.00231	-.01376
#2	.10402	.00017	.12201	-.00253	-.00203	258.74	.00087	.00319	.00292	5.1597	-.00207	.00243	.01107
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**.00033**	**4.5590**	**-.01434**	**.00395**	**9.4551**	**.00317**	**.01705**	**-.03976**
Stddev	.00098	.00001	.0029	.00027	.00011	.0104	.00022	.00025	.00287
%RSD	59.267	3.0694	.06415	1.9158	2.6952	.10975	7.0832	1.4472	7.2167
#1	.00096	.00032	4.5611	-.01414	.00402	9.4624	.00301	.01722	-.03774
#2	.00234	.00033	4.5569	-.01453	.00387	9.4478	.00333	.01687	-.04179
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4908.5**	**83750.**	**6351.2**
Stddev	11.9	242.	38.7
%RSD	.24220	.28856	.60994
#1	4916.9	83579.	6323.8
#2	4900.1	83920.	6378.6

Sample Name: ccv-2984587 Acquired: 11/17/2014 23:13:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52652**	**.53816**	**.97071**	**.51570**	**.49942**	**.49463**	**.00825**	**5.0655**	**.49409**	**.49286**	**.48084**	**.48466**	**2.5825**	**49.544**
Stddev	.00085	.00358	.00309	.00079	.00100	.00057	.00046	.0033	.00050	.00054	.00063	.00014	.0036	.085
%RSD	.16060	.66570	.31796	.15248	.20059	.11451	5.6270	.06519	.10139	.10858	.13174	.02840	.13905	.17174
#1	.52592	.54070	.97289	.51515	.50013	.49503	.00792	5.0679	.49373	.49324	.48129	.48476	2.5850	49.605
#2	.52712	.53563	.96853	.51626	.49871	.49423	.00858	5.0632	.49444	.49249	.48039	.48456	2.5799	49.484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0109**	**19.371**	**.49739**	**.52927**	**5.3959**	**.48682**	**.96561**	**1.0180**	**.02236**	**1.0477**	**1.0892**	**4.9267**	**1.0461**	**.47842**
Stddev	.0006	.002	.00035	.00021	.0039	.00024	.00424	.0008	.00040	.0031	.0020	.0139	.0018	.00071
%RSD	.05917	.00816	.07045	.03902	.07260	.04892	.43886	.07593	1.7905	.29316	.18318	.28153	.16892	.14828
#1	1.0105	19.372	.49763	.52942	5.3987	.48665	.96261	1.0186	.02264	1.0455	1.0906	4.9169	1.0448	.47892
#2	1.0113	19.369	.49714	.52912	5.3932	.48699	.96861	1.0175	.02208	1.0499	1.0878	4.9365	1.0473	.47792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03056**	**.49916**	**1.0485**	**.00900**	**.49678**	**.48047**	**.48774**
Stddev	.00037	.00086	.0012	.01753	.00016	.00222	.00057
%RSD	1.2118	.17319	.11500	194.70	.03305	.46120	.11731
#1	.03030	.49855	1.0494	-.00339	.49666	.48204	.48733
#2	.03083	.49977	1.0477	.02140	.49689	.47890	.48814
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5020.8**	**85847.**	**6308.9**
Stddev	4.5	114.	6.0
%RSD	.08884	.13326	.09537
#1	5017.6	85928.	6304.7
#2	5023.9	85766.	6313.2

Sample Name: CCB Acquired: 11/17/2014 23:16:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00173**	**-.00346**	**.00104**	F **.00384**	**.00040**	**.00015**	**-.00037**	**-.00412**	**.00020**	**.00002**	**-.00017**	**-.00077**
Stddev	.00046	.00039	.00039	.00003	.00000	.00000	.00083	.00008	.00005	.00003	.00004	.00025
%RSD	26.768	11.227	37.210	.82071	.96758	1.4100	222.57	2.0229	27.053	144.42	22.728	32.031
#1	.00206	-.00374	.00076	.00386	.00041	.00015	.00022	-.00406	.00024	.00005	-.00020	-.00094
#2	.00141	-.00319	.00131	.00381	.00040	.00015	-.00096	-.00418	.00016	-.00000	-.00014	-.00059
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00540**	**.14510**	**.00161**	**.00560**	**.00014**	**.00042**	W **.11872**	**-.00050**	**.00135**	**-.00044**	**.02495**	**.00082**
Stddev	.00110	.00947	.00108	.00130	.00002	.00010	.00858	.00014	.00178	.00073	.00321	.00112
%RSD	20.413	6.5285	67.068	23.160	17.130	23.705	7.2279	28.818	131.59	165.87	12.855	136.58
#1	.00618	.13840	.00237	.00652	.00016	.00035	.12479	-.00040	.00261	-.00096	.02722	.00162
#2	.00462	.15180	.00085	.00468	.00012	.00049	.11265	-.00060	.00009	.00008	.02269	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.01848**	**-.00002**	**.00017**	**.00390**	**.00053**	**-.00015**	**.01770**	**-.00039**	**-.00091**	**-.00101**
Stddev	.00209	.00472	.00093	.00004	.00033	.00003	.00065	.02224	.00062	.00033	.00086
%RSD	11241.	25.557	4704.2	25.484	8.3883	5.6085	443.67	125.66	159.52	36.620	84.692
#1	.00146	-.02182	-.00068	.00020	.00367	.00051	.00031	.03342	.00005	-.00114	-.00041
#2	-.00150	-.01514	.00064	.00014	.00413	.00055	-.00061	.00197	-.00083	-.00067	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5065.7**	**87363.**	**6293.9**
Stddev	2.5	29.	34.0
%RSD	.04859	.03296	.54015
#1	5063.9	87343.	6269.9
#2	5067.4	87383.	6317.9

Sample Name: CCVL2994499 Acquired: 11/17/2014 23:18:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01274**	**.10795**	**.01367**	**.10849**	**.01098**	**.00115**	**.11754**	**.20340**	**.00553**	**.01056**	**.00989**	**.01450**
Stddev	.00003	.00087	.00189	.00006	.00030	.00004	.00123	.00301	.00001	.00014	.00010	.00006
%RSD	.20625	.80344	13.844	.05440	2.7430	3.2651	1.0472	1.4791	.19921	1.3443	.98717	.41601
#1	.01272	.10734	.01233	.10845	.01077	.00118	.11667	.20553	.00554	.01066	.00982	.01446
#2	.01276	.10857	.01501	.10853	.01120	.00113	.11841	.20128	.00552	.01046	.00995	.01455
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000											
Range	20.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11433**	**3.2137**	**.01114**	**.21133**	**.01046**	**.02146**	W **1.2158**	**.04102**	**2.9016**	**.00970**	**.02237**	W **.01206**
Stddev	.00270	.0048	.00009	.00144	.00008	.00052	.0080	.00004	.0070	.00136	.00401	.00187
%RSD	2.3603	.14803	.78276	.67930	.72393	2.4364	.66229	.10319	.24112	13.974	17.910	15.548
#1	.11624	3.2170	.01108	.21235	.01041	.02109	1.2101	.04105	2.8966	.00874	.01954	.01338
#2	.11243	3.2103	.01120	.21032	.01051	.02183	1.2215	.04099	2.9065	.01066	.02520	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn
Value							1.0000					.01000
Range							20.000%					20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01925**	**.49375**	**.10860**	**.01006**	W **.01837**	**.01081**	**.01679**	**.06219**	**.00984**	**.01985**	**.01468**
Stddev	.00016	.01224	.00025	.00006	.00044	.00022	.00061	.00198	.00034	.00012	.00063
%RSD	.85536	2.4782	.23026	.58953	2.4077	2.0517	3.6109	3.1886	3.4907	.58950	4.2622
#1	.01936	.50240	.10878	.01002	.01806	.01066	.01636	.06079	.01008	.01994	.01424
#2	.01913	.48510	.10842	.01010	.01869	.01097	.01722	.06359	.00960	.01977	.01512
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500				.01500						
Range	20.000%				20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5101.6**	**88146.**	**6332.8**
Stddev	15.6	22.	25.9
%RSD	.30528	.02519	.40889
#1	5112.6	88130.	6314.5
#2	5090.6	88161.	6351.1

Sample Name: 280-61639-C-1-B Acquired: 11/17/2014 23:21:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 1/13 Custom ID2: Custom ID3:
Comment: 249438 6010C Q4 soil (Cu)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .48576	.60891	-.00102	.00403	.03639	-.00001	.00378	5.4860	.00515
Stddev	.00027	.00044	.00072	.00060	.00026	.00003	.00053	.0142	.00011
%RSD	.05607	.07151	70.983	14.819	.71582	213.28	13.998	.25937	2.2001
#1	.48556	.60860	-.00051	.00446	.03657	-.00003	.00340	5.4961	.00523
#2	.48595	.60922	-.00153	.00361	.03620	.00001	.00415	5.4760	.00507
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.03698	.06526	1.9062	.10793	.00062	.27194	.02131	.00109
Stddev	.00008	.00011	.00036	.0015	.06860	.00023	.00354	.00012	.00007
%RSD	49.840	.28683	.54450	.07755	63.562	36.815	1.3033	.54682	6.4973
#1	.00023	.03706	.06501	1.9073	.05942	.00046	.27445	.02123	.00113
#2	.00011	.03691	.06551	1.9052	.15644	.00078	.26944	.02140	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21152	.00601	1.1927	.04369	.23800	.00058	.00209	.76442	.03029
Stddev	.00759	.00030	.0032	.00049	.00126	.00013	.00054	.02613	.00125
%RSD	3.5898	5.0177	.26717	1.1168	.52941	21.518	26.030	3.4187	4.1259
#1	.20615	.00623	1.1904	.04335	.23711	.00049	.00248	.74594	.03117
#2	.21689	.00580	1.1949	.04404	.23890	.00067	.00171	.78289	.02940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05987	.00524	.11000	-.00078	-.01062	.00533	.36724	.00068
Stddev	.00013	.00103	.00000	.00141	.02361	.00002	.00105	.00088
%RSD	.21569	19.734	.00338	182.03	222.29	.38116	.28721	130.45
#1	.05997	.00597	.11000	-.00178	-.02731	.00534	.36650	.00005
#2	.05978	.00451	.11000	.00022	.00607	.00531	.36799	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5177.3	89087.	6496.4
Stddev	.0	132.	38.7
%RSD	.00050	.14835	.59590
#1	5177.3	89180.	6469.0
#2	5177.3	88993.	6523.8

Sample Name: 280-61639-C-1-B SD@5 Acquired: 11/17/2014 23:24:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249438 6010C Q4 soil (Cu)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09767**	**.12104**	**.00120**	**.00371**	**.00748**	**.00008**	**-.00041**	**1.1146**	**.00099**
Stddev	.00004	.00010	.00330	.00093	.00003	.00003	.00170	.0071	.00010
%RSD	.04566	.08548	275.10	24.978	.42869	32.426	414.90	.63678	10.419
#1	.09764	.12111	.00353	.00305	.00750	.00006	.00079	1.1096	.00091
#2	.09770	.12096	-.00113	.00436	.00746	.00010	-.00161	1.1196	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00733**	**.01198**	**.40309**	**.05206**	**.00194**	**.05681**	**.00724**	**.00042**
Stddev	.00021	.00013	.00019	.00300	.02745	.00268	.00058	.00013	.00036
%RSD	115.04	1.7109	1.6027	.74486	52.733	138.04	1.0178	1.8340	86.264
#1	-.00003	.00741	.01211	.40521	.07148	.00005	.05640	.00734	.00068
#2	-.00033	.00724	.01184	.40097	.03265	.00384	.05722	.00715	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12742**	**.00090**	**.23508**	**.00715**	**.06264**	**-.00098**	**.00312**	**.15835**	**.00526**
Stddev	.00890	.00034	.00228	.00002	.00283	.00107	.00351	.00220	.00038
%RSD	6.9812	37.741	.96944	.33197	4.5257	109.09	112.75	1.3907	7.2685
#1	.13371	.00066	.23347	.00717	.06464	-.00174	.00560	.15679	.00553
#2	.12113	.00114	.23669	.00713	.06063	-.00022	.00063	.15991	.00499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01202**	**.00488**	**.02269**	**-.00016**	**.00641**	**.00066**	**.07484**	**-.00086**
Stddev	.00006	.00107	.00072	.00148	.00819	.00014	.00034	.00141
%RSD	.45853	21.887	3.1836	919.28	127.70	21.838	.45136	163.82
#1	.01198	.00564	.02320	-.00121	.01220	.00077	.07508	-.00186
#2	.01206	.00413	.02218	.00089	.00062	.00056	.07460	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5106.3**	**88163.**	**6361.3**
Stddev	8.3	45.	4.2
%RSD	.16310	.05121	.06550
#1	5112.2	88195.	6364.3
#2	5100.4	88131.	6358.4

Sample Name: 280-61639-C-1-C MS Acquired: 11/17/2014 23:27:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249438 6010C Q4 soil (Cu)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.41046**	W **3.5127**	**.96322**	**1.0223**	**2.0502**	**.05020**	**2.2733**	**58.893**	**.09693**
Stddev	.00030	.0039	.00014	.0020	.0086	.00008	.0026	.232	.00025
%RSD	.07295	.11165	.01483	.19340	.42024	.16313	.11281	.39466	.25942
#1	.41025	3.5100	.96332	1.0237	2.0563	.05015	2.2751	59.057	.09711
#2	.41067	3.5155	.96312	1.0209	2.0441	.05026	2.2715	58.728	.09675
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000	500.00							
Low Limit	-.01000	4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48673**	**.21637**	**.29871**	**2.8203**	**50.689**	**1.0239**	**48.204**	**.52443**	**1.1066**
Stddev	.00008	.00002	.00014	.0092	.300	.0038	.005	.00001	.0015
%RSD	.01680	.00875	.04717	.32664	.59277	.36938	.01118	.00098	.13672
#1	.48678	.21636	.29861	2.8268	50.901	1.0266	48.201	.52443	1.1076
#2	.48667	.21638	.29881	2.8138	50.476	1.0213	48.208	.52443	1.1055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.274**	**.48201**	**11.234**	**.53252**	**2.2783**	**.52959**	**2.1513**	**2.6594**	**2.1029**
Stddev	.123	.00079	.006	.00032	.0125	.00495	.0035	.0119	.0005
%RSD	.22664	.16374	.05689	.06087	.54762	.93535	.16071	.44629	.02395
#1	54.361	.48257	11.229	.53229	2.2694	.52609	2.1537	2.6510	2.1033
#2	54.187	.48145	11.238	.53275	2.2871	.53309	2.1488	2.6678	2.1025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0504**	**.92637**	**1.0671**	**2.0305**	**1.9514**	**.50926**	**.77447**	**.47442**
Stddev	.0041	.00148	.0036	.0059	.0226	.00041	.00113	.00128
%RSD	.38806	.15968	.33322	.29099	1.1572	.08010	.14611	.26938
#1	1.0533	.92741	1.0696	2.0347	1.9355	.50897	.77527	.47532
#2	1.0475	.92532	1.0646	2.0264	1.9674	.50955	.77367	.47351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4894.0**	**84608.**	**6334.6**
Stddev	8.3	125.	13.3
%RSD	.16994	.14740	.20954
#1	4888.1	84520.	6344.0
#2	4899.9	84697.	6325.2

Sample Name: 280-61639-C-1-D MSD Acquired: 11/17/2014 23:29:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249438 6010C Q4 soil (Cu)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.25279**	**4.0203**	**.95129**	**1.0039**	**1.9892**	**.04854**	**2.2061**	**197.51**	**.09343**
Stddev	.00042	.0228	.00413	.0014	.0036	.00012	.0024	.05	.00045
%RSD	.16792	.56798	.43445	.13440	.17990	.25195	.10840	.02444	.47886
#1	.25309	4.0042	.95421	1.0030	1.9866	.04846	2.2077	197.55	.09374
#2	.25249	4.0365	.94837	1.0049	1.9917	.04863	2.2044	197.48	.09311
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46945**	**.20542**	**.28149**	**2.5075**	**49.915**	**1.0035**	**46.259**	**.50441**	**1.0796**
Stddev	.00060	.00153	.00072	.0144	.053	.0018	.082	.00034	.0000
%RSD	.12845	.74347	.25745	.57292	.10648	.17762	.17714	.06817	.00385
#1	.46988	.20650	.28200	2.5177	49.877	1.0023	46.317	.50466	1.0796
#2	.46903	.20434	.28098	2.4974	49.952	1.0048	46.201	.50417	1.0797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.388**	**.46634**	**10.779**	**.50699**	**2.3404**	**.51835**	**2.1046**	**2.6941**	**2.0290**
Stddev	.186	.00052	.034	.00110	.0011	.00153	.0062	.0111	.0085
%RSD	.34234	.11256	.31315	.21731	.04744	.29458	.29369	.41076	.42062
#1	54.520	.46671	10.803	.50776	2.3412	.51727	2.1002	2.7019	2.0350
#2	54.257	.46597	10.756	.50621	2.3397	.51943	2.1089	2.6862	2.0229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5615**	**.90438**	**1.0452**	**1.9435**	**1.9510**	**.49570**	**.66200**	**.46212**
Stddev	.0024	.00253	.0000	.0009	.0253	.00112	.00003	.00343
%RSD	.15528	.27971	.00342	.04417	1.2941	.22628	.00422	.74325
#1	1.5597	.90617	1.0452	1.9429	1.9688	.49650	.66202	.45969
#2	1.5632	.90259	1.0452	1.9441	1.9331	.49491	.66198	.46455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4813.9**	**83272.**	**6327.9**
Stddev	2.6	170.	45.9
%RSD	.05313	.20377	.72477
#1	4812.1	83152.	6295.4
#2	4815.7	83392.	6360.3

Sample Name: 280-61639-C-1-B PDS Acquired: 11/17/2014 23:31:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249438 6010C Q4 soil (Cu)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.47586**	**1.6875**	**.20785**	**.11005**	**.14340**	**.05319**	**.00387**	**26.889**	**.05785**
Stddev	.00013	.0020	.00114	.00037	.00005	.00008	.00059	.040	.00008
%RSD	.02761	.11918	.54887	.33330	.03735	.15919	15.311	.15058	.14220
#1	.47595	1.6889	.20865	.11031	.14337	.05325	.00429	26.918	.05791
#2	.47576	1.6860	.20704	.10979	.14344	.05313	.00346	26.861	.05779
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05278**	**.08685**	**.11585**	**2.9599**	**21.379**	**.10919**	**21.039**	**.07504**	**.05425**
Stddev	.00013	.00024	.00041	.0098	.018	.00075	.001	.00005	.00054
%RSD	.24821	.27916	.35721	.32928	.08275	.68288	.00469	.06895	.99573
#1	.05287	.08702	.11615	2.9668	21.392	.10971	21.038	.07500	.05464
#2	.05269	.08668	.11556	2.9531	21.367	.10866	21.039	.07508	.05387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.481**	**.05746**	**3.3374**	**.15238**	**.22611**	**.10593**	**.23492**	**5.7176**	**.13353**
Stddev	.072	.00040	.0117	.00045	.00288	.00222	.00820	.0145	.00081
%RSD	.30853	.69912	.35114	.29353	1.2726	2.0961	3.4897	.25309	.60990
#1	23.430	.05774	3.3457	.15270	.22407	.10750	.22912	5.7278	.13410
#2	23.532	.05718	3.3291	.15207	.22814	.10436	.24072	5.7074	.13295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11004**	**.20054**	**.16093**	**.22528**	**.53658**	**.05993**	**.57167**	**.04734**
Stddev	.00033	.00110	.00045	.00028	.04560	.00032	.00110	.00091
%RSD	.29982	.54700	.27881	.12506	8.4990	.54218	.19192	1.9309
#1	.11028	.20132	.16124	.22508	.50433	.06016	.57090	.04798
#2	.10981	.19977	.16061	.22548	.56883	.05970	.57245	.04669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5039.1**	**86124.**	**6397.3**
Stddev	25.2	147.	36.8
%RSD	.50063	.17064	.57549
#1	5021.3	86020.	6423.3
#2	5057.0	86228.	6371.2

Sample Name: 280-61696-G-8-B @10 Acquired: 11/17/2014 23:34:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 10/30 Custom ID2: Custom ID3:
Comment: 249736 6010C Q4 (Na)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	W **3.6556**	**-.00007**	**.18910**	**.02679**	**.00011**	**-.00182**	**5.3881**	**.00003**
Stddev	.00013	.0051	.00046	.00023	.00016	.00006	.00258	.0158	.00010
%RSD	8.8219	.13897	688.19	.12165	.60300	59.021	141.61	.29287	378.10
#1	.00139	3.6521	.00026	.18893	.02690	.00006	-.00365	5.3769	.00009
#2	.00157	3.6592	-.00039	.18926	.02667	.00015	.00000	5.3993	-.00004
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00190**	**-.00004**	**1.8258**	**.79842**	**.01360**	**1.8776**	**.07553**	**.00171**
Stddev	.00006	.00005	.00005	.0114	.01542	.00122	.0031	.00009	.00006
%RSD	9.5543	2.7808	113.08	.62452	1.9318	8.9858	.16737	.12430	3.6128
#1	.00057	.00187	-.00008	1.8339	.78752	.01446	1.8798	.07559	.00175
#2	.00066	.00194	-.00001	1.8178	.80933	.01274	1.8754	.07546	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**83.456**	**.00113**	**.04360**	**.00120**	**24.873**	**.00130**	**.00482**	**7.4897**	**-.00157**
Stddev	.376	.00013	.00016	.00004	.010	.00160	.00298	.0428	.00045
%RSD	.45052	11.474	.36314	3.0704	.04201	122.93	61.883	.57098	28.489
#1	83.722	.00104	.04349	.00122	24.866	.00243	.00692	7.5200	-.00189
#2	83.191	.00122	.04371	.00117	24.880	.00017	.00271	7.4595	-.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20530**	**.00319**	**.07588**	**.00133**	**.03509**	**.00373**	**.00603**	**.00360**
Stddev	.00006	.00163	.00110	.00156	.02462	.00071	.00005	.00189
%RSD	.02966	51.223	1.4453	117.38	70.167	18.933	.79430	52.540
#1	.20526	.00434	.07666	.00023	.01768	.00423	.00606	.00493
#2	.20534	.00203	.07511	.00244	.05249	.00323	.00599	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5028.0**	**86044.**	**6352.6**
Stddev	3.7	173.	6.6
%RSD	.07306	.20114	.10374
#1	5030.6	86166.	6357.3
#2	5025.4	85921.	6348.0

Sample Name: 280-61696-G-8-BSD@50 Acquired: 11/17/2014 23:37:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 249736 6010C Q4 (Na)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**1.4058**	**-.00263**	**.04061**	**.00755**	**.00002**	**-.00202**	**1.0784**	**.00001**
Stddev	.00009	.0023	.00043	.00046	.00016	.00007	.00182	.0007	.00037
%RSD	4.6617	.16465	16.278	1.1281	2.0870	469.33	89.906	.06104	5310.0
#1	.00189	1.4042	-.00233	.04093	.00766	.00007	-.00074	1.0789	-.00026
#2	.00202	1.4074	-.00294	.04028	.00744	-.00004	-.00331	1.0780	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00058**	**-.00052**	**.55234**	**.34732**	**.00541**	**.43220**	**.01627**	**.00046**
Stddev	.00022	.00019	.00022	.00817	.00021	.00271	.00278	.00028	.00015
%RSD	119.42	32.990	41.692	1.4794	.06098	50.071	.64292	1.7062	32.412
#1	.00034	.00044	-.00037	.55812	.34747	.00350	.43416	.01647	.00035
#2	.00003	.00071	-.00067	.54656	.34717	.00733	.43023	.01608	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.621**	**-.00008**	**.00845**	**.00092**	**4.9086**	**-.00042**	**-.00289**	**2.9109**	**-.00006**
Stddev	.126	.00027	.00021	.00112	.0177	.00027	.00227	.0154	.00064
%RSD	.71551	356.69	2.5269	121.93	.36147	64.533	78.471	.53057	1069.9
#1	17.531	-.00027	.00860	.00013	4.8960	-.00061	-.00450	2.9000	.00039
#2	17.710	.00012	.00830	.00171	4.9211	-.00023	-.00129	2.9219	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04167**	**.00404**	**.05563**	**.00136**	**.00429**	**.00126**	**.00123**	**.00255**
Stddev	.00001	.00113	.00505	.00043	.02607	.00062	.00009	.00065
%RSD	.03323	27.941	9.0863	31.451	607.50	49.498	7.4443	25.552
#1	.04166	.00483	.05920	.00106	.02272	.00170	.00116	.00209
#2	.04168	.00324	.05205	.00166	-.01414	.00082	.00129	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5119.4**	**88265.**	**6471.5**
Stddev	.4	171.	3.9
%RSD	.00695	.19349	.06030
#1	5119.1	88144.	6474.2
#2	5119.6	88386.	6468.7

Sample Name: ccvh-2982968 Acquired: 11/17/2014 23:39:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00619**	**51.922**	**-.00421**	**.00421**	**.00105**	**.00003**	F **1.1002**	**-.03839**	**-.00031**	**.00193**	**.00001**	**-.00506**
Stddev	.00016	.014	.00059	.00001	.00015	.00000	.0024	.00336	.00016	.00011	.00001	.00016
%RSD	2.6317	.02600	14.035	.17841	14.103	4.1180	.21847	8.7437	52.437	5.5406	143.49	3.0720
#1	.00608	51.913	-.00463	.00421	.00095	.00003	1.1019	-.03601	-.00019	.00200	.00002	-.00517
#2	.00631	51.932	-.00379	.00420	.00116	.00003	1.0985	-.04076	-.00042	.00185	-.00000	-.00495
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.328**	**.10982**	**.00275**	**.11674**	**-.00301**	**-.00195**	**261.14**	**.00105**	**.00187**	**.00383**	**5.2065**	**-.00325**
Stddev	.119	.02419	.00093	.00111	.00002	.00016	.00	.00025	.00131	.00030	.0003	.00197
%RSD	.23731	22.028	33.663	.95386	.62863	8.4185	.00004	23.807	70.158	7.8638	.00624	60.683
#1	50.413	.12692	.00210	.11595	-.00299	-.00206	261.14	.00122	.00280	.00362	5.2067	-.00186
#2	50.244	.09271	.00341	.11753	-.00302	-.00183	261.14	.00087	.00094	.00405	5.2063	-.00465
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**-.01668**	**.00185**	**.00033**	**4.5532**	**-.01848**	**.00224**	**9.5392**	**.00305**	**-.00126**	**-.03957**
Stddev	.00509	.00861	.00131	.00008	.0075	.00030	.00022	.0257	.00002	.00055	.00207
%RSD	173.17	51.612	70.864	25.062	.16519	1.6351	9.7463	.26940	.63695	43.559	5.2363
#1	.00653	-.02277	.00092	.00027	4.5585	-.01869	.00209	9.5210	.00307	-.00164	-.03811
#2	-.00066	-.01059	.00278	.00039	4.5479	-.01827	.00240	9.5574	.00304	-.00087	-.04104
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4908.1**	**84631.**	**6414.6**
Stddev	.3	75.	17.4
%RSD	.00513	.08900	.27142
#1	4908.3	84578.	6402.3
#2	4907.9	84685.	6426.9

Sample Name: ccv-2984587 Acquired: 11/17/2014 23:42:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53020**	**.53392**	**.97871**	**.52258**	**.50326**	**.49693**	**.00803**	**5.0825**	**.49883**	**.49667**	**.48343**	**.48776**	**2.5819**	**49.603**
Stddev	.00024	.00363	.00114	.00144	.00041	.00089	.00096	.0026	.00006	.00013	.00023	.00054	.0035	.081
%RSD	.04564	.68061	.11612	.27573	.08201	.17985	11.994	.05030	.01273	.02690	.04716	.10976	.13683	.16416
#1	.53003	.53649	.97791	.52360	.50297	.49756	.00871	5.0807	.49888	.49676	.48327	.48738	2.5844	49.545
#2	.53037	.53135	.97952	.52156	.50355	.49630	.00735	5.0843	.49879	.49657	.48360	.48814	2.5794	49.660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0183**	**19.391**	**.49965**	**.53497**	**5.4715**	**.49093**	**.97832**	**1.0235**	**.00964**	**1.0633**	**1.0979**	**4.9298**	**1.0577**	**.48161**
Stddev	.0013	.010	.00045	.00068	.0116	.00066	.00573	.0016	.00039	.0032	.0030	.0076	.0002	.00013
%RSD	.12526	.05213	.09038	.12725	.21177	.13497	.58591	.15538	4.0745	.30340	.27713	.15467	.01662	.02793
#1	1.0174	19.398	.49933	.53545	5.4797	.49046	.98237	1.0246	.00992	1.0656	1.1001	4.9352	1.0576	.48151
#2	1.0192	19.384	.49997	.53449	5.4633	.49140	.97426	1.0224	.00936	1.0610	1.0958	4.9244	1.0579	.48170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03130**	**.49958**	**1.0571**	**.00665**	**.49897**	**.48080**	**.48866**
Stddev	.00095	.00013	.0004	.00284	.00072	.00036	.00226
%RSD	3.0347	.02587	.03333	42.662	.14357	.07390	.46198
#1	.03063	.49967	1.0574	.00866	.49948	.48105	.48706
#2	.03198	.49949	1.0569	.00465	.49846	.48055	.49026
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5014.6**	**86384.**	**6365.4**
Stddev	.8	74.	7.0
%RSD	.01659	.08543	.10925
#1	5014.0	86331.	6360.4
#2	5015.2	86436.	6370.3

Sample Name: CCB Acquired: 11/17/2014 23:44:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00128**	**-.00492**	**-.00104**	F **.00327**	W **.00061**	**.00010**	**-.00164**	**-.00678**	**.00013**	**-.00012**	**-.00010**	**-.00119**
Stddev	.00031	.00015	.00149	.00104	.00030	.00001	.00255	.00370	.00005	.00037	.00013	.00036
%RSD	24.192	2.9886	143.44	31.877	49.247	10.881	155.66	54.572	36.059	313.48	128.41	30.309
#1	.00106	-.00502	-.00209	.00401	.00040	.00011	.00016	-.00416	.00016	.00014	-.00020	-.00093
#2	.00150	-.00482	.00001	.00253	.00083	.00009	-.00344	-.00939	.00009	-.00038	-.00001	-.00144
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312	.00058							
Low Limit	-.00093			-.00312	-.00058							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00217**	**.15600**	**.00113**	**.00349**	**.00007**	**.00046**	W **.16630**	**-.00073**	**-.00199**	**.00008**	**.01096**	**.00068**
Stddev	.00096	.00088	.00181	.00107	.00008	.00013	.00403	.00006	.00019	.00086	.00198	.00117
%RSD	44.340	.56527	159.74	30.702	114.27	27.446	2.4252	8.2660	9.7745	1026.6	18.098	173.00
#1	.00149	.15537	-.00015	.00273	.00001	.00055	.16345	-.00069	-.00185	-.00053	.00956	-.00015
#2	.00285	.15662	.00241	.00424	.00013	.00037	.16916	-.00078	-.00213	.00069	.01237	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00010**	**.00028**	**.00009**	**.00566**	**.00034**	**.00048**	**.00313**	**-.00023**	**-.00036**	**-.00041**
Stddev	.00477	.00875	.00010	.00005	.00148	.00034	.00420	.00578	.00003	.00025	.00176
%RSD	426.29	8812.5	34.578	53.938	26.126	98.435	875.49	185.06	12.796	69.759	430.63
#1	.00449	.00629	.00021	.00013	.00671	.00058	.00345	-.00096	-.00021	-.00054	.00084
#2	-.00225	-.00609	.00035	.00006	.00462	.00010	-.00249	.00722	-.00025	-.00018	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5065.1**	**87664.**	**6320.8**
Stddev	8.5	56.	3.6
%RSD	.16717	.06385	.05765
#1	5071.1	87625.	6318.2
#2	5059.1	87704.	6323.4

Sample Name: CCVL2994499 Acquired: 11/17/2014 23:47:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01328**	**.10910**	**.01649**	**.10762**	**.01114**	**.00108**	W **.12075**	**.20514**	**.00531**	**.01034**	**.01012**	**.01457**
Stddev	.00018	.00022	.00062	.00052	.00008	.00010	.00018	.00004	.00001	.00030	.00003	.00001
%RSD	1.3786	.20144	3.7840	.48536	.71883	9.4785	.14697	.01856	.11299	2.8780	.32676	.05841
#1	.01341	.10925	.01605	.10799	.01108	.00115	.12062	.20517	.00530	.01013	.01010	.01456
#2	.01315	.10894	.01693	.10726	.01119	.00101	.12087	.20512	.00531	.01055	.01014	.01457
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000						.10000					
Range	30.000%						20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11010**	**3.1747**	**.01177**	**.20998**	**.01057**	**.02215**	W **1.2574**	**.04104**	**2.9182**	W **.01101**	**.01226**	**.01133**
Stddev	.00082	.0140	.00304	.00192	.00007	.00004	.0110	.00005	.0135	.00050	.00183	.00017
%RSD	.74545	.44228	25.782	.91607	.70001	.17267	.87319	.11862	.46179	4.5728	14.911	1.4903
#1	.10952	3.1846	.01392	.20862	.01062	.02212	1.2497	.04100	2.9277	.01137	.01355	.01145
#2	.11068	3.1647	.00963	.21134	.01052	.02218	1.2652	.04107	2.9087	.01065	.01097	.01121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value							1.0000			.00900		
Range							20.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01632**	**.50520**	**.11188**	**.01005**	W **.01922**	**.01079**	**.01564**	**.06245**	**.00977**	**.01974**	**.01658**
Stddev	.00239	.00982	.00118	.00006	.00107	.00030	.00070	.02390	.00067	.00011	.00051
%RSD	14.629	1.9429	1.0560	.60351	5.5809	2.7659	4.4708	38.271	6.8935	.54922	3.0581
#1	.01801	.49826	.11105	.01009	.01847	.01100	.01515	.04555	.00929	.01981	.01622
#2	.01463	.51214	.11272	.01001	.01998	.01058	.01614	.07935	.01024	.01966	.01694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.01500						
Range					20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5078.6**	**87835.**	**6360.6**
Stddev	4.1	156.	8.6
%RSD	.07977	.17716	.13497
#1	5075.7	87725.	6354.5
#2	5081.5	87945.	6366.7

Sample Name: MB 280-251531/1-A Acquired: 11/17/2014 23:50:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**.01735**	**-.00145**	F **.01474**	**.00163**	**.00007**	W **-.00679**	**.01600**	**.00023**
Stddev	.00034	.00012	.00309	.00011	.00001	.00006	.00132	.00081	.00008
%RSD	16.085	.71390	212.04	.74810	.38663	95.346	19.483	5.0738	37.147
#1	.00234	.01726	-.00364	.01482	.00163	.00011	-.00586	.01657	.00017
#2	.00187	.01743	.00073	.01466	.00163	.00002	-.00773	.01542	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.01000			.00500		
Low Limit				-.01000			-.00500		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00047**	**-.00039**	W **.03169**	**.16420**	**.00087**	**.01890**	**.00039**	**.00014**
Stddev	.00004	.00007	.00005	.00159	.03054	.00130	.00336	.00003	.00014
%RSD	23.990	14.010	13.095	5.0228	18.600	148.87	17.768	8.2173	97.535
#1	-.00018	.00051	-.00042	.03282	.18580	.00179	.01652	.00036	.00004
#2	-.00013	.00042	-.00035	.03057	.14260	-.00005	.02127	.00041	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.03000					
Low Limit				-.05000					

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21025**	**-.00036**	F **.01220**	**.00192**	**.01377**	**.00044**	**.00169**	F **.10446**	**.00892**
Stddev	.00328	.00035	.00267	.00117	.00045	.00036	.00157	.00978	.00151
%RSD	1.5611	95.355	21.926	61.001	3.2647	81.170	92.627	9.3585	16.936
#1	.20793	-.00061	.01031	.00109	.01409	.00019	.00280	.11137	.00999
#2	.21257	-.00012	.01409	.00276	.01345	.00070	.00058	.09754	.00785
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.01000					.10000	
Low Limit			-.01000					-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00414**	**.00085**	**-.00124**	**.01872**	**-.00021**	**.00075**	**-.00034**
Stddev	.00008	.00137	.00051	.00049	.00378	.00037	.00082	.00069
%RSD	93.502	33.003	60.649	39.263	20.189	178.85	109.60	199.86
#1	.00014	.00511	.00121	-.00158	.01605	-.00047	.00017	.00014
#2	.00003	.00317	.00048	-.00089	.02139	.00005	.00132	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5075.6**	**88840.**	**6470.3**
Stddev	4.8	287.	26.9
%RSD	.09551	.32286	.41557
#1	5079.0	89043.	6451.3
#2	5072.1	88637.	6489.3

Sample Name: LCS 280-251531/2-A Acquired: 11/17/2014 23:52:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05665**	**2.0414**	**.94873**	F **1.1377**	**1.9896**	**.04954**	F **2.2319**	**50.223**	**.09051**
Stddev	.00039	.0050	.00410	.0001	.0008	.00005	.0020	.014	.00024
%RSD	.68079	.24518	.43209	.00861	.04272	.09430	.09140	.02695	.26470
#1	.05638	2.0379	.95163	1.1378	1.9902	.04957	2.2333	50.214	.09034
#2	.05693	2.0450	.94583	1.1376	1.9890	.04950	2.2305	50.233	.09068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1.1000			2.2000		
Low Limit				.81000			1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47872**	**.19077**	**.24103**	**1.0292**	**49.406**	**1.0058**	**46.880**	**.48632**	F **1.1037**
Stddev	.00013	.00018	.00033	.0024	.076	.0006	.025	.00029	.0016
%RSD	.02632	.09606	.13700	.22924	.15362	.05804	.05423	.05912	.14418
#1	.47863	.19064	.24080	1.0308	49.460	1.0054	46.898	.48653	1.1025
#2	.47881	.19090	.24127	1.0275	49.353	1.0062	46.863	.48612	1.1048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.86000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.225**	**.46994**	**9.8151**	**.49568**	**2.0668**	**.52804**	**2.1066**	F **7.3075**	**2.0789**
Stddev	.002	.00047	.0023	.00106	.0034	.00031	.0083	.0359	.0011
%RSD	.00387	.10106	.02356	.21328	.16200	.05927	.39514	.49131	.05477
#1	53.226	.47028	9.8168	.49642	2.0645	.52826	2.1125	7.2821	2.0797
#2	53.223	.46960	9.8135	.49493	2.0692	.52782	2.1008	7.3329	2.0781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								7.0000	
Low Limit								1.0000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95005**	**.91743**	**.99433**	**1.9990**	**1.9517**	**.49740**	**.46507**	**.47661**
Stddev	.00044	.00526	.00106	.0004	.0061	.00022	.00096	.00343
%RSD	.04599	.57372	.10629	.02147	.31452	.04482	.20687	.72044
#1	.95036	.91371	.99358	1.9993	1.9560	.49756	.46439	.47418
#2	.94974	.92115	.99508	1.9987	1.9474	.49725	.46575	.47903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4840.9**	**84031.**	**6356.1**
Stddev	1.8	208.	15.7
%RSD	.03808	.24785	.24698
#1	4842.2	83883.	6345.0
#2	4839.6	84178.	6367.2

Sample Name: 280-62015-A-1-B Acquired: 11/17/2014 23:55:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00461**	**129.67**	**.10076**	**.02454**	**.44154**	**.00307**	**.07411**	**12.148**	**.00493**
Stddev	.00012	.08	.00274	.00016	.00146	.00002	.00146	.003	.00009
%RSD	2.5117	.06326	2.7209	.65540	.33083	.63492	1.9678	.02770	1.8170
#1	.00453	129.73	.10270	.02443	.44257	.00306	.07514	12.150	.00499
#2	.00470	129.61	.09882	.02466	.44051	.00308	.07308	12.145	.00486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19730**	**.13385**	**.20742**	**176.28**	**6.0496**	**.17658**	**19.182**	**2.4107**	**.01443**
Stddev	.00035	.00042	.00101	.03	.0582	.00050	.007	.0009	.00055
%RSD	.17789	.31138	.48661	.01774	.96237	.28217	.03812	.03601	3.7926
#1	.19754	.13414	.20814	176.31	6.0084	.17693	19.177	2.4101	.01405
#2	.19705	.13355	.20671	176.26	6.0908	.17623	19.187	2.4114	.01482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4840**	**.16025**	**8.4056**	**.90339**	**8.3422**	**-.00172**	**.00925**	**3.2391**	**.01983**
Stddev	.0098	.00003	.0163	.00001	.0418	.00029	.00008	.0342	.00020
%RSD	.66272	.02023	.19397	.00143	.50152	17.076	.82301	1.0555	1.0191
#1	1.4910	.16022	8.4171	.90339	8.3718	-.00192	.00920	3.2633	.01998
#2	1.4771	.16027	8.3940	.90340	8.3126	-.00151	.00931	3.2149	.01969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11032**	**.00585**	**3.1421**	**.00649**	**.02234**	**.22097**	**.98851**	**.01137**
Stddev	.00006	.00013	.0021	.00108	.01478	.00068	.00071	.00064
%RSD	.05130	2.2733	.06822	16.710	66.159	.30595	.07191	5.6199
#1	.11036	.00576	3.1436	.00726	.03279	.22145	.98801	.01182
#2	.11028	.00595	3.1406	.00572	.01189	.22049	.98901	.01091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5278.4**	**89871.**	**6943.3**
Stddev	6.5	43.	25.5
%RSD	.12335	.04811	.36731
#1	5273.8	89901.	6961.3
#2	5283.0	89840.	6925.3

Sample Name: 280-62015-A-1-B SD@5 Acquired: 11/17/2014 23:57:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**28.277**	**.02001**	**.00695**	**.09632**	**.00065**	**.01148**	**2.6573**	**.00122**
Stddev	.00008	.082	.00244	.00041	.00019	.00006	.00098	.0015	.00023
%RSD	3.8453	.28899	12.180	5.9245	.19474	9.2212	8.5515	.05802	18.688
#1	.00195	28.334	.01829	.00724	.09645	.00069	.01217	2.6562	.00139
#2	.00206	28.219	.02173	.00666	.09618	.00061	.01078	2.6584	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04318**	**.02882**	**.04388**	**38.545**	**1.4087**	**.03736**	**4.2865**	**.52405**	**.00317**
Stddev	.00017	.00003	.00042	.010	.0202	.00145	.0078	.00121	.00038
%RSD	.39192	.11831	.95117	.02489	1.4351	3.8749	.18298	.23119	11.941
#1	.04306	.02884	.04358	38.538	1.3945	.03634	4.2810	.52320	.00344
#2	.04330	.02879	.04417	38.552	1.4230	.03839	4.2921	.52491	.00290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39966**	**.03496**	**1.8211**	**.20206**	**1.8127**	**-.00182**	**.00771**	**.68844**	**.00374**
Stddev	.00344	.00031	.0006	.00055	.0056	.00145	.00232	.02691	.00112
%RSD	.86100	.87438	.03064	.27438	.31099	79.485	30.023	3.9087	30.080
#1	.40210	.03517	1.8207	.20245	1.8167	-.00080	.00608	.66941	.00453
#2	.39723	.03474	1.8215	.20167	1.8087	-.00284	.00935	.70746	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02392**	**.00482**	**.66620**	**.00139**	**-.00049**	**.04697**	**.21550**	**.00087**
Stddev	.00009	.00035	.00244	.00026	.00317	.00060	.00061	.00334
%RSD	.39012	7.2203	.36565	18.897	644.99	1.2711	.28186	384.91
#1	.02399	.00507	.66447	.00157	.00175	.04655	.21507	-.00149
#2	.02385	.00457	.66792	.00120	-.00273	.04739	.21593	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5151.3**	**88081.**	**6565.8**
Stddev	8.2	152.	.4
%RSD	.15850	.17242	.00622
#1	5157.1	87973.	6565.6
#2	5145.5	88188.	6566.1

Sample Name: 280-62015-A-1-C MS Acquired: 11/18/2014 0:00:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05763**	**188.83**	**.97496**	**.93402**	**2.5016**	**.04822**	**2.1680**	**61.274**	**.08916**
Stddev	.00105	.09	.00403	.00342	.0028	.00020	.0057	.021	.00033
%RSD	1.8214	.04962	.41345	.36628	.11301	.42160	.26228	.03445	.37482
#1	.05689	188.89	.97781	.93643	2.5036	.04808	2.1720	61.259	.08940
#2	.05837	188.76	.97210	.93160	2.4996	.04837	2.1640	61.289	.08893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64278**	**.34521**	**.44859**	**188.18**	**60.727**	**1.1195**	**65.454**	**3.0331**	**1.0091**
Stddev	.00286	.00149	.00032	.23	.145	.0015	.015	.0039	.0021
%RSD	.44447	.43248	.07207	.12446	.23932	.13072	.02326	.12885	.21223
#1	.64480	.34627	.44882	188.01	60.624	1.1205	65.465	3.0359	1.0106
#2	.64075	.34416	.44836	188.34	60.830	1.1185	65.444	3.0304	1.0075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.763**	**.59945**	**17.572**	**1.3816**	**10.361**	**.23165**	**1.9400**	**5.0525**	**1.7616**
Stddev	.516	.00329	.069	.0026	.020	.00035	.0106	.0100	.0033
%RSD	1.0163	.54877	.39038	.19014	.18902	.15069	.54526	.19811	.18534
#1	51.128	.60178	17.620	1.3835	10.375	.23190	1.9475	5.0596	1.7639
#2	50.398	.59713	17.523	1.3797	10.347	.23140	1.9325	5.0454	1.7593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0423**	**.76986**	**5.3821**	**1.7674**	**1.7978**	**.75266**	**1.4902**	**.32404**
Stddev	.0004	.00322	.0125	.0092	.0508	.00188	.0070	.00028
%RSD	.04074	.41844	.23272	.51908	2.8265	.24986	.47139	.08640
#1	1.0426	.77214	5.3909	1.7739	1.7619	.75399	1.4951	.32385
#2	1.0420	.76758	5.3732	1.7609	1.8338	.75133	1.4852	.32424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5140.8**	**87225.**	**6960.3**
Stddev	26.1	91.	11.1
%RSD	.50828	.10466	.16008
#1	5122.3	87290.	6952.4
#2	5159.3	87161.	6968.2

Sample Name: 280-62015-A-1-D MSD Acquired: 11/18/2014 0:02:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05810**	**176.27**	**.98754**	**.95931**	**2.5388**	**.04932**	**2.2093**	**58.741**	**.09028**
Stddev	.00054	.53	.00128	.00314	.0071	.00015	.0090	.143	.00008
%RSD	.92858	.30108	.12997	.32698	.27919	.29497	.40684	.24359	.08823
#1	.05848	175.90	.98664	.95709	2.5338	.04922	2.2030	58.640	.09022
#2	.05772	176.65	.98845	.96152	2.5438	.04942	2.2157	58.843	.09033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62786**	**.33705**	**.43101**	**168.64**	**62.461**	**1.1321**	**64.103**	**2.7364**	**1.0369**
Stddev	.00172	.00044	.00134	.40	.191	.0031	.020	.0004	.0022
%RSD	.27337	.13069	.31194	.23696	.30540	.27090	.03123	.01446	.21321
#1	.62664	.33673	.43196	168.36	62.326	1.1299	64.117	2.7362	1.0353
#2	.62907	.33736	.43006	168.93	62.596	1.1343	64.089	2.7367	1.0385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.869**	**.59230**	**16.846**	**1.2836**	**9.2132**	**.28031**	**1.9693**	**5.7423**	**1.8289**
Stddev	.192	.00099	.010	.0043	.0196	.00141	.0044	.0254	.0041
%RSD	.37085	.16792	.06017	.33656	.21319	.50203	.22435	.44295	.22390
#1	52.005	.59159	16.839	1.2805	9.1994	.28130	1.9724	5.7243	1.8260
#2	51.733	.59300	16.853	1.2866	9.2271	.27931	1.9662	5.7603	1.8318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0572**	**.79227**	**5.1500**	**1.8142**	**1.8373**	**.74426**	**1.3741**	**.34382**
Stddev	.0026	.00421	.0023	.0051	.0341	.00138	.0017	.00037
%RSD	.24401	.53127	.04511	.28284	1.8548	.18547	.12338	.10843
#1	1.0554	.79524	5.1516	1.8106	1.8614	.74523	1.3729	.34356
#2	1.0590	.78929	5.1483	1.8178	1.8132	.74328	1.3753	.34409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5147.5**	**87335.**	**6967.5**
Stddev	11.9	30.	37.2
%RSD	.23079	.03391	.53435
#1	5155.9	87314.	6993.8
#2	5139.1	87356.	6941.2

Sample Name: 280-62015-A-1-B PDS Acquired: 11/18/2014 0:05:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01001**	**127.89**	**.29802**	**.11706**	**.53356**	**.05274**	**.07810**	**32.423**	**.05447**
Stddev	.00036	.30	.00226	.00062	.00176	.00024	.00301	.135	.00012
%RSD	3.5957	.23728	.75931	.53267	.33069	.46309	3.8520	.41569	.21782
#1	.01026	128.10	.29642	.11750	.53481	.05291	.07597	32.518	.05438
#2	.00975	127.67	.29962	.11662	.53232	.05256	.08022	32.327	.05455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24072**	**.17943**	**.25153**	**172.89**	**26.050**	**.27164**	**38.137**	**2.3964**	**.06274**
Stddev	.00028	.00024	.00034	.31	.132	.00355	.089	.0061	.00029
%RSD	.11703	.13347	.13487	.17737	.50753	1.3083	.23319	.25434	.46745
#1	.24092	.17960	.25177	173.11	26.144	.26913	38.200	2.4007	.06253
#2	.24052	.17926	.25129	172.67	25.957	.27415	38.074	2.3921	.06294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.633**	**.20357**	**10.273**	**.97260**	**8.3091**	**.09516**	**.22866**	**7.6696**	**.11502**
Stddev	.083	.00007	.004	.00147	.0031	.00092	.00157	.0618	.00045
%RSD	.35286	.03279	.03649	.15089	.03687	.96834	.68705	.80544	.38811
#1	23.692	.20352	10.275	.97364	8.3112	.09581	.22755	7.7133	.11534
#2	23.574	.20361	10.270	.97156	8.3069	.09450	.22977	7.6259	.11471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15684**	**.19566**	**3.1258**	**.20919**	**.50072**	**.26894**	**1.1550**	**.05539**
Stddev	.00029	.00069	.0076	.00051	.01877	.00098	.0042	.00185
%RSD	.18706	.35183	.24253	.24463	3.7488	.36444	.36328	3.3455
#1	.15705	.19614	3.1312	.20955	.51400	.26963	1.1580	.05408
#2	.15663	.19517	3.1204	.20883	.48745	.26825	1.1521	.05670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5230.7**	**89298.**	**6975.6**
Stddev	2.7	215.	38.6
%RSD	.05118	.24082	.55364
#1	5232.6	89146.	6948.3
#2	5228.8	89450.	7002.9

Sample Name: 280-62015-A-2-B Acquired: 11/18/2014 0:07:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**147.19**	**.12618**	**.02733**	**.38646**	**.00364**	**.05939**	**15.761**	**.00168**
Stddev	.00012	.17	.00510	.00073	.00082	.00001	.00390	.029	.00004
%RSD	4.1723	.11377	4.0454	2.6554	.21211	.33601	6.5730	.18117	2.4596
#1	.00287	147.31	.12257	.02785	.38704	.00365	.06215	15.781	.00165
#2	.00304	147.07	.12979	.02682	.38588	.00363	.05663	15.741	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15797**	**.13108**	**.12334**	**175.42**	**4.7434**	**.22951**	**19.959**	**1.6805**	**.00386**
Stddev	.00001	.00034	.00005	.47	.0214	.00074	.028	.0001	.00015
%RSD	.00626	.26303	.04459	.26999	.45029	.32077	.14188	.00750	3.7680
#1	.15798	.13133	.12338	175.75	4.7585	.22899	19.979	1.6806	.00375
#2	.15797	.13084	.12330	175.08	4.7283	.23003	19.939	1.6804	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1832**	**.15501**	**8.5079**	**.35804**	**14.827**	**-.00183**	**.00475**	**2.8415**	**.01345**
Stddev	.0086	.00033	.0014	.00051	.011	.00069	.00097	.0151	.00148
%RSD	.72625	.21034	.01632	.14291	.07225	37.581	20.384	.53222	10.974
#1	1.1893	.15524	8.5069	.35768	14.819	-.00231	.00406	2.8521	.01450
#2	1.1772	.15478	8.5089	.35841	14.835	-.00134	.00543	2.8308	.01241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12303**	**.00262**	**2.5458**	**.00606**	**-.01242**	**.19042**	**.60143**	**.00658**
Stddev	.00020	.00442	.0004	.00085	.04500	.00019	.00192	.00053
%RSD	.16643	168.70	.01552	14.069	362.35	.09860	.31923	8.1153
#1	.12317	-.00051	2.5455	.00546	.01940	.19029	.60008	.00620
#2	.12289	.00575	2.5461	.00667	-.04424	.19055	.60279	.00696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5350.0**	**91479.**	**7029.6**
Stddev	3.7	100.	.6
%RSD	.06838	.10937	.00921
#1	5347.4	91408.	7029.2
#2	5352.6	91549.	7030.1

Sample Name: 280-62015-A-3-B Acquired: 11/18/2014 0:10:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00403**	**127.67**	**.10103**	**.02274**	**.50297**	**.00327**	**.07201**	**11.164**	**.00559**
Stddev	.00056	.13	.00084	.00067	.00068	.00000	.00147	.016	.00010
%RSD	13.858	.09994	.83067	2.9450	.13471	.08024	2.0431	.13986	1.7723
#1	.00443	127.76	.10044	.02321	.50345	.00326	.07305	11.175	.00566
#2	.00364	127.58	.10162	.02226	.50249	.00327	.07097	11.153	.00552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21285**	**.13472**	**.23149**	**178.18**	**5.7346**	**.17512**	**18.890**	**2.6076**	**.01908**
Stddev	.00056	.00001	.00012	.14	.0187	.00023	.028	.0058	.00004
%RSD	.26121	.00665	.05209	.08023	.32572	.12863	.14714	.22399	.22281
#1	.21324	.13473	.23141	178.28	5.7478	.17528	18.909	2.6117	.01911
#2	.21246	.13471	.23158	178.08	5.7214	.17496	18.870	2.6035	.01905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2821**	**.16785**	**8.6003**	**.96065**	**8.6204**	**-.00092**	**.00204**	**2.7032**	**.02054**
Stddev	.0082	.00001	.0054	.00204	.0168	.00273	.00145	.0243	.00002
%RSD	.63917	.00833	.06314	.21276	.19427	295.51	71.185	.89931	.11098
#1	1.2879	.16786	8.6041	.96210	8.6086	-.00285	.00307	2.7204	.02055
#2	1.2763	.16784	8.5964	.95921	8.6323	.00101	.00101	2.6860	.02052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10829**	**.00285**	**2.9283**	**.00636**	**.01472**	**.20905**	**1.0669**	**.00796**
Stddev	.00006	.00046	.0061	.00110	.02231	.00016	.0024	.00093
%RSD	.05448	16.209	.20850	17.296	151.53	.07845	.22449	11.717
#1	.10833	.00253	2.9326	.00714	-.00105	.20916	1.0686	.00862
#2	.10825	.00318	2.9240	.00558	.03050	.20893	1.0652	.00730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5355.9**	**91176.**	**6964.1**
Stddev	9.0	262.	36.1
%RSD	.16877	.28725	.51851
#1	5362.3	90991.	6938.6
#2	5349.5	91362.	6989.6

Sample Name: 280-62015-A-4-B Acquired: 11/18/2014 0:12:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251531 6010C soil Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**149.98**	**.10810**	**.02449**	**.62860**	**.00400**	**.07101**	**11.013**	**.00758**
Stddev	.00016	.14	.00325	.00026	.00037	.00012	.00074	.003	.00007
%RSD	1.9746	.09478	3.0047	1.0773	.05951	3.0002	1.0463	.02360	.87856
#1	.00844	150.09	.10581	.02430	.62886	.00391	.07153	11.015	.00753
#2	.00821	149.88	.11040	.02468	.62833	.00408	.07048	11.011	.00763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48479**	**.14837**	**.23551**	**202.05**	**5.5819**	**.23496**	**21.123**	**2.1675**	**.00389**
Stddev	.00106	.00015	.00088	.17	.0378	.00200	.012	.0014	.00025
%RSD	.21840	.10321	.37535	.08579	.67663	.85160	.05880	.06493	6.5142
#1	.48404	.14826	.23488	202.17	5.5552	.23637	21.131	2.1685	.00407
#2	.48553	.14848	.23613	201.93	5.6086	.23354	21.114	2.1665	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1383**	**.21395**	**8.2271**	**2.8572**	**17.222**	**-.00061**	**.00659**	**2.4012**	**.03281**
Stddev	.0082	.00069	.0205	.0080	.026	.00023	.00251	.0300	.00012
%RSD	.71899	.32125	.24960	.28160	.15062	38.012	38.090	1.2488	.35358
#1	1.1440	.21347	8.2126	2.8515	17.203	-.00077	.00837	2.3800	.03273
#2	1.1325	.21444	8.2416	2.8629	17.240	-.00044	.00482	2.4224	.03289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10756**	**.00389**	**2.7781**	**.00713**	**-.00172**	**.30525**	**1.3743**	**.00870**
Stddev	.00010	.00030	.0016	.00005	.00745	.00033	.0018	.00008
%RSD	.09458	7.8089	.05920	.72710	432.11	.10703	.13039	.93131
#1	.10749	.00411	2.7793	.00717	.00355	.30502	1.3756	.00876
#2	.10763	.00368	2.7769	.00710	-.00699	.30548	1.3731	.00864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5357.1**	**91027.**	**6972.2**
Stddev	12.9	46.	19.7
%RSD	.24117	.05083	.28293
#1	5366.2	91060.	6958.2
#2	5348.0	90995.	6986.1

Sample Name: ccvh-2982968 Acquired: 11/18/2014 0:15:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**53.377**	**.00081**	**.00362**	**.00113**	**-.00012**	F **1.1186**	**-.03513**	**-.00037**	**.00185**	**.00010**	**-.00571**
Stddev	.00038	.290	.00088	.00051	.00004	.00005	.0005	.00231	.00019	.00009	.00005	.00009
%RSD	6.4254	.54249	108.65	14.135	3.4283	42.249	.04597	6.5891	51.433	4.6483	51.980	1.4990
#1	.00622	53.172	.00019	.00398	.00116	-.00015	1.1190	-.03677	-.00023	.00179	.00007	-.00577
#2	.00568	53.582	.00144	.00326	.00110	-.00008	1.1183	-.03350	-.00050	.00192	.00014	-.00565
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.761**	**.14634**	**.00303**	**.12035**	**-.00267**	**-.00194**	**267.25**	**.00103**	**.00323**	**.00508**	**5.2971**	**-.00206**
Stddev	.004	.00840	.00197	.00192	.00008	.00009	1.45	.00012	.00319	.00018	.0095	.00086
%RSD	.00718	5.7423	64.972	1.5978	2.8703	4.5527	.54444	11.459	98.662	3.6166	.18014	41.636
#1	51.763	.14040	.00164	.11899	-.00262	-.00200	266.22	.00111	.00549	.00521	5.3038	-.00145
#2	51.758	.15228	.00443	.12171	-.00272	-.00188	268.28	.00095	.00098	.00495	5.2903	-.00267
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**-.00757**	**.00115**	**.00026**	**4.6452**	**-.01771**	**.00099**	**9.6996**	**.00312**	**-.00090**	**-.04082**
Stddev	.00513	.01209	.00052	.00001	.0105	.00026	.00123	.0263	.00033	.00006	.00043
%RSD	206.70	159.78	45.009	5.7241	.22609	1.4908	123.45	.27170	10.599	6.6478	1.0522
#1	-.00115	.00098	.00078	.00025	4.6378	-.01753	.00186	9.6810	.00289	-.00086	-.04112
#2	.00611	-.01612	.00152	.00027	4.6526	-.01790	.00013	9.7183	.00336	-.00095	-.04051
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4900.8**	**84117.**	**6359.9**
Stddev	3.5	364.	38.6
%RSD	.07212	.43222	.60771
#1	4898.3	84374.	6387.3
#2	4903.3	83859.	6332.6

Sample Name: ccv-2984587 Acquired: 11/18/2014 0:18:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53692**	**.54713**	**.98500**	**.52425**	**.50799**	**.50176**	**.00878**	**5.1415**	**.50167**	**.50035**	**.48656**	**.48985**
Stddev	.00023	.00215	.00086	.00223	.00128	.00055	.00188	.0011	.00089	.00027	.00058	.00004
%RSD	.04267	.39371	.08703	.42484	.25218	.10919	21.453	.02095	.17777	.05360	.12005	.00804
#1	.53675	.54865	.98440	.52268	.50890	.50215	.00745	5.1407	.50104	.50016	.48697	.48982
#2	.53708	.54560	.98561	.52583	.50709	.50138	.01011	5.1422	.50230	.50054	.48615	.48988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6266**	**50.022**	**1.0256**	**19.547**	**.50473**	**.54106**	F **5.5216**	**.49408**	**.98216**	**1.0325**	**.00560**	**1.0722**
Stddev	.0075	.055	.0019	.034	.00008	.00076	.0121	.00006	.00353	.0008	.00221	.0023
%RSD	.28478	.11065	.19013	.17449	.01671	.13971	.22006	.01128	.35987	.08241	39.435	.21256
#1	2.6319	50.061	1.0242	19.522	.50467	.54053	5.5130	.49412	.97966	1.0331	.00716	1.0738
#2	2.6213	49.983	1.0270	19.571	.50479	.54160	5.5302	.49404	.98466	1.0319	.00404	1.0706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1044**	**4.9797**	**1.0639**	**.48475**	**.03111**	**.50543**	**1.0670**	**-.02018**	**.50441**	**.48666**	**.49078**
Stddev	.0005	.0054	.0013	.00096	.00019	.00087	.0008	.01783	.00122	.00171	.00216
%RSD	.04136	.10774	.12064	.19717	.62271	.17298	.07717	88.387	.24225	.35129	.43941
#1	1.1048	4.9759	1.0648	.48543	.03125	.50482	1.0676	-.03278	.50528	.48787	.48926
#2	1.1041	4.9835	1.0630	.48408	.03098	.50605	1.0664	-.00757	.50355	.48545	.49231
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5026.5**	**86453.**	**6371.1**
Stddev	2.7	128.	20.3
%RSD	.05361	.14767	.31858
#1	5028.4	86544.	6356.8
#2	5024.6	86363.	6385.5

Sample Name: CCB Acquired: 11/18/2014 0:20:31 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00179**	**-.00145**	**.00043**	W **.00194**	W **.00068**	**.00014**	**-.00403**	**-.00751**	**.00024**	**-.00026**	**-.00014**	**-.00091**
Stddev	.00030	.00013	.00032	.00017	.00009	.00004	.00215	.00448	.00014	.00018	.00007	.00032
%RSD	16.805	9.2073	72.780	8.6957	13.893	28.768	53.420	59.588	58.135	69.029	50.397	35.418
#1	.00201	-.00154	.00066	.00182	.00075	.00011	-.00555	-.00435	.00014	-.00038	-.00009	-.00114
#2	.00158	-.00135	.00021	.00205	.00062	.00017	-.00251	-.01068	.00034	-.00013	-.00019	-.00068
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00156	.00058							
Low Limit	-.00093			-.00156	-.00058							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00795**	**.10429**	**.00014**	**.00622**	**.00013**	**.00032**	W **.14482**	**-.00030**	**.00072**	**.00189**	**.00487**	**-.00004**
Stddev	.00320	.00427	.00112	.00052	.00004	.00003	.00357	.00036	.00451	.00077	.00029	.00253
%RSD	40.175	4.0907	811.47	8.3940	33.937	9.6210	2.4650	117.02	630.62	40.863	5.8966	6127.3
#1	.01021	.10128	-.00065	.00659	.00010	.00030	.14734	-.00056	.00390	.00134	.00507	.00174
#2	.00569	.10731	.00093	.00585	.00016	.00034	.14229	-.00005	-.00247	.00244	.00466	-.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.01034**	**.00059**	**.00015**	**.00521**	**.00030**	**.00049**	**-.00943**	**.00039**	**-.00065**	**-.00097**
Stddev	.00266	.00540	.00018	.00005	.00083	.00014	.00043	.02811	.00023	.00001	.00122
%RSD	1070.8	52.192	30.756	36.778	15.877	48.449	88.341	297.93	59.379	1.5141	125.94
#1	-.00163	.01415	.00046	.00019	.00579	.00040	.00079	-.02931	.00022	-.00065	-.00011
#2	.00213	.00652	.00072	.00011	.00462	.00020	.00018	.01044	.00055	-.00064	-.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5084.7**	**88243.**	**6301.5**
Stddev	8.6	100.	28.2
%RSD	.16817	.11362	.44678
#1	5078.6	88172.	6281.6
#2	5090.7	88313.	6321.4

Sample Name: CCVL2994499 Acquired: 11/18/2014 0:23:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01315**	**.11147**	**.01449**	**.10614**	**.01100**	**.00115**	W **.12141**	**.20577**	**.00527**	**.01054**	**.00999**	**.01460**
Stddev	.00003	.00015	.00109	.00068	.00020	.00001	.00041	.00807	.00004	.00000	.00013	.00016
%RSD	.21272	.13100	7.5156	.64054	1.8306	.86620	.33888	3.9207	.76670	.00305	1.3126	1.0698
#1	.01317	.11157	.01526	.10566	.01086	.00115	.12112	.20006	.00530	.01054	.01009	.01471
#2	.01313	.11136	.01372	.10662	.01114	.00114	.12170	.21147	.00524	.01054	.00990	.01449
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000						.10000					
Range	30.000%						20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11332**	**3.2286**	**.00958**	**.21191**	**.01059**	**.02149**	W **1.2513**	**.04111**	**2.9083**	**.01063**	**.00646**	**.01050**
Stddev	.00133	.0279	.00037	.00438	.00008	.00065	.0002	.00013	.0049	.00099	.00019	.00184
%RSD	1.1777	.86584	3.8818	2.0670	.75184	3.0079	.01922	.31579	.16973	9.2701	2.9405	17.507
#1	.11237	3.2484	.00985	.20882	.01054	.02104	1.2511	.04120	2.9118	.01133	.00659	.01180
#2	.11426	3.2089	.00932	.21501	.01065	.02195	1.2515	.04102	2.9048	.00994	.00633	.00920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01314**	**.50721**	**.11241**	**.01004**	**.01721**	**.01058**	**.01637**	**.06066**	**.00994**	**.01972**	**.01415**
Stddev	.00184	.00165	.00009	.00003	.00023	.00014	.00007	.02455	.00036	.00093	.00127
%RSD	13.978	.32480	.07586	.31670	1.3339	1.3334	.41863	40.465	3.5938	4.7365	9.0091
#1	.01184	.50837	.11235	.01006	.01705	.01068	.01641	.04330	.00969	.02038	.01505
#2	.01444	.50604	.11247	.01002	.01737	.01048	.01632	.07801	.01020	.01906	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5106.6**	**88513.**	**6369.4**
Stddev	5.1	97.	21.7
%RSD	.09961	.10974	.34063
#1	5110.2	88444.	6354.1
#2	5103.0	88581.	6384.7

Sample Name: MB 280-251532/1-A Acquired: 11/18/2014 0:25:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.01122**	**-.00265**	W **.00995**	**.00197**	**.00005**	W **-.00669**	**.02886**	**.00020**
Stddev	.00023	.00069	.00032	.00022	.00012	.00002	.00138	.00366	.00017
%RSD	10.856	6.1119	12.083	2.2010	6.2585	41.599	20.597	12.668	84.671
#1	.00198	.01074	-.00288	.00979	.00206	.00006	-.00572	.02628	.00033
#2	.00231	.01171	-.00243	.01010	.00189	.00003	-.00767	.03145	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00500			.00500		
Low Limit				-.00500			-.00500		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00034**	**-.00026**	**.02079**	**.13688**	**-.00090**	**.01400**	**.00038**	**.00026**
Stddev	.00028	.00029	.00028	.00118	.04760	.00069	.00270	.00002	.00028
%RSD	90.824	85.800	110.26	5.6928	34.773	76.830	19.285	4.1409	110.53
#1	-.00051	.00013	-.00046	.02163	.17054	-.00138	.01209	.00037	.00046
#2	-.00011	.00055	-.00006	.01996	.10323	-.00041	.01591	.00039	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19996**	**-.00006**	W **.00958**	**.00046**	**.01994**	**-.00109**	**-.00436**	W **.08000**	**.00791**
Stddev	.00643	.00036	.00130	.00025	.00028	.00031	.00547	.00801	.00066
%RSD	3.2170	641.87	13.590	54.997	1.4178	28.324	125.54	10.006	8.3318
#1	.20451	-.00031	.01050	.00064	.01974	-.00131	-.00049	.08566	.00745
#2	.19541	.00020	.00866	.00028	.02014	-.00088	-.00823	.07434	.00838
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			.00500					.05000	
Low Limit			-.00500					-.05000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00411**	**.00125**	**-.00249**	**.02087**	**-.00045**	**.00202**	**-.00099**
Stddev	.00009	.00006	.00006	.00105	.01195	.00076	.00013	.00060
%RSD	105.97	1.5131	4.9212	42.046	57.269	168.63	6.3671	60.314
#1	.00002	.00415	.00129	-.00175	.02933	-.00099	.00211	-.00141
#2	.00014	.00406	.00120	-.00322	.01242	.00009	.00193	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5089.1**	**89232.**	**6450.6**
Stddev	1.9	362.	38.3
%RSD	.03781	.40573	.59425
#1	5090.5	89488.	6423.5
#2	5087.7	88976.	6477.8

Sample Name: LCS 280-251532/2-A Acquired: 11/18/2014 0:28:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05715**	**2.0917**	**.96173**	F **1.2079**	**2.0185**	**.04986**	F **2.2699**	**50.768**	**.09170**
Stddev	.00045	.0004	.00409	.0018	.0054	.00012	.0049	.089	.00006
%RSD	.78137	.01697	.42564	.14524	.26885	.24768	.21385	.17549	.06316
#1	.05746	2.0919	.95884	1.2066	2.0223	.04995	2.2665	50.831	.09165
#2	.05683	2.0914	.96462	1.2091	2.0146	.04977	2.2733	50.705	.09174
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05700			1.1000			2.2000		
Low Limit	.04350			.81000			1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48494**	**.19280**	**.24458**	**1.0941**	**49.930**	**1.0197**	**47.325**	**.49269**	F **1.1225**
Stddev	.00106	.00015	.00046	.0038	.178	.0005	.029	.00010	.0006
%RSD	.21824	.07824	.18849	.34535	.35701	.04757	.06215	.01958	.05050
#1	.48419	.19291	.24490	1.0967	50.056	1.0201	47.346	.49276	1.1229
#2	.48569	.19270	.24425	1.0914	49.804	1.0194	47.304	.49262	1.1221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.86000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.164**	**.47525**	**9.9549**	**.50200**	**2.0839**	**.53723**	**2.1574**	**5.3645**	**2.0977**
Stddev	.246	.00038	.0075	.00063	.0051	.00022	.0089	.0263	.0015
%RSD	.45478	.07922	.07571	.12639	.24376	.04178	.41020	.48992	.07042
#1	53.990	.47551	9.9602	.50245	2.0875	.53739	2.1511	5.3459	2.0988
#2	54.338	.47498	9.9496	.50155	2.0803	.53708	2.1636	5.3831	2.0967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95996**	**.92589**	**1.0081**	**2.0310**	**1.9440**	**.50188**	**.47206**	**.48367**
Stddev	.00198	.00028	.0014	.0001	.0064	.00226	.00117	.00058
%RSD	.20672	.02972	.13664	.00527	.33127	.45026	.24856	.12064
#1	.96136	.92608	1.0072	2.0310	1.9395	.50028	.47123	.48408
#2	.95855	.92569	1.0091	2.0309	1.9486	.50348	.47289	.48326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4854.2**	**84421.**	**6347.7**
Stddev	4.1	46.	22.8
%RSD	.08406	.05473	.35856
#1	4851.3	84453.	6363.8
#2	4857.1	84388.	6331.6

Sample Name: 280-62015-A-14-B Acquired: 11/18/2014 0:31:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00575**	**95.159**	**.12660**	**.01850**	**.25642**	**.00252**	**.04367**	**10.058**	**.00446**
Stddev	.00032	.165	.00257	.00044	.00080	.00008	.00246	.039	.00003
%RSD	5.4828	.17340	2.0276	2.3909	.31227	3.2504	5.6373	.39151	.75211
#1	.00553	95.276	.12478	.01881	.25699	.00246	.04193	10.086	.00448
#2	.00597	95.043	.12841	.01819	.25586	.00258	.04542	10.030	.00444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29086**	**.09517**	**.13333**	**130.77**	**3.5637**	**.14460**	**13.997**	**1.9352**	**.00441**
Stddev	.00037	.00025	.00038	.43	.0352	.00047	.002	.0030	.00015
%RSD	.12763	.26477	.28356	.32606	.98711	.32494	.01533	.15701	3.4095
#1	.29112	.09499	.13306	131.07	3.5388	.14493	13.998	1.9331	.00430
#2	.29060	.09534	.13359	130.47	3.5886	.14426	13.995	1.9374	.00452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62008**	**.13114**	**4.9149**	**.80340**	**21.521**	**.00122**	**.00443**	**2.1345**	**.01664**
Stddev	.00306	.00014	.0016	.00145	.005	.00071	.00172	.0200	.00054
%RSD	.49311	.10769	.03326	.18068	.02515	57.843	38.756	.93788	3.2744
#1	.62224	.13104	4.9160	.80442	21.525	.00072	.00321	2.1487	.01625
#2	.61792	.13124	4.9137	.80237	21.517	.00172	.00564	2.1204	.01702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08608**	**.00626**	**1.8200**	**.00525**	**.00665**	**.20408**	**.76068**	**.00572**
Stddev	.00001	.00121	.0012	.00060	.01610	.00027	.00145	.00072
%RSD	.01624	19.256	.06398	11.441	242.09	.13473	.19037	12.586
#1	.08609	.00541	1.8191	.00568	-.00473	.20389	.75965	.00623
#2	.08607	.00711	1.8208	.00483	.01804	.20428	.76170	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5246.1**	**89723.**	**6814.4**
Stddev	2.4	20.	51.6
%RSD	.04587	.02197	.75772
#1	5247.9	89709.	6777.9
#2	5244.4	89737.	6850.9

Sample Name: 280-62015-A-14-BSD@5 Acquired: 11/18/2014 0:33:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**20.247**	**.02613**	**.00550**	**.05444**	**.00057**	**.00559**	**2.1454**	**.00098**
Stddev	.00038	.005	.00069	.00026	.00030	.00005	.00039	.0026	.00020
%RSD	15.849	.02707	2.6302	4.8123	.55265	8.1329	6.9104	.11878	20.603
#1	.00268	20.251	.02564	.00531	.05465	.00060	.00587	2.1472	.00084
#2	.00214	20.243	.02661	.00569	.05423	.00053	.00532	2.1436	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06207**	**.02007**	**.02719**	**27.860**	**.81287**	**.02982**	**3.0571**	**.41108**	**.00043**
Stddev	.00003	.00004	.00029	.004	.02445	.00234	.0056	.00006	.00032
%RSD	.04782	.21439	1.0602	.01298	3.0080	7.8426	.18298	.01533	73.284
#1	.06209	.02010	.02699	27.857	.83016	.03147	3.0531	.41113	.00066
#2	.06205	.02004	.02740	27.862	.79558	.02817	3.0610	.41104	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20760**	**.02795**	**1.0364**	**.17531**	**4.5348**	**.00269**	**-.00142**	**.44252**	**.00438**
Stddev	.00197	.00051	.0008	.00099	.0103	.00004	.00227	.00327	.00019
%RSD	.95055	1.8420	.07756	.56747	.22759	1.6433	160.20	.73895	4.2405
#1	.20621	.02831	1.0370	.17601	4.5421	.00266	-.00302	.44021	.00451
#2	.20900	.02758	1.0359	.17461	4.5275	.00273	.00019	.44484	.00425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01820**	**.00388**	**.38089**	**.00089**	**.01493**	**.04235**	**.16200**	**-.00037**
Stddev	.00007	.00068	.00144	.00036	.01613	.00051	.00007	.00080
%RSD	.36395	17.467	.37795	41.029	108.08	1.2143	.04304	212.80
#1	.01815	.00340	.38191	.00115	.02633	.04271	.16195	-.00094
#2	.01824	.00436	.37987	.00063	.00352	.04198	.16204	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5176.0**	**88425.**	**6574.2**
Stddev	9.0	28.	5.6
%RSD	.17413	.03191	.08456
#1	5182.4	88445.	6570.3
#2	5169.6	88405.	6578.1

Sample Name: 280-62015-A-14-C MS Acquired: 11/18/2014 0:36:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05839**	**159.17**	**1.0405**	**.96829**	**2.3428**	**.04830**	**2.1908**	**59.691**	**.08864**
Stddev	.00000	.41	.0006	.00106	.0043	.00012	.0024	.098	.00021
%RSD	.00247	.25610	.05487	.10977	.18155	.24413	.10849	.16466	.23592
#1	.05839	158.89	1.0409	.96904	2.3398	.04821	2.1925	59.621	.08879
#2	.05839	159.46	1.0401	.96753	2.3458	.04838	2.1891	59.760	.08849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69510**	**.30854**	**.36913**	**143.78**	**59.325**	**1.1084**	**59.929**	**2.5665**	**1.0360**
Stddev	.00034	.00045	.00028	.05	.175	.0014	.003	.0015	.0000
%RSD	.04870	.14451	.07504	.03507	.29500	.12604	.00574	.05826	.00306
#1	.69534	.30822	.36893	143.74	59.202	1.1074	59.927	2.5676	1.0360
#2	.69486	.30885	.36932	143.81	59.449	1.1094	59.932	2.5655	1.0360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.121**	**.58763**	**13.953**	**1.0885**	**30.615**	**.29680**	**1.9933**	**6.2370**	**1.8200**
Stddev	.279	.00055	.004	.0022	.008	.00200	.0005	.0058	.0033
%RSD	.54594	.09424	.03126	.19804	.02638	.67228	.02568	.09316	.18046
#1	50.924	.58802	13.957	1.0900	30.621	.29539	1.9937	6.2329	1.8223
#2	51.319	.58723	13.950	1.0869	30.610	.29821	1.9930	6.2411	1.8177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0423**	**.75695**	**3.9056**	**1.8308**	**1.8090**	**.72799**	**1.1121**	**.33215**
Stddev	.0015	.00050	.0044	.0047	.0072	.00090	.0022	.00256
%RSD	.14692	.06664	.11226	.25853	.39663	.12322	.20029	.77028
#1	1.0412	.75730	3.9087	1.8274	1.8141	.72735	1.1105	.33034
#2	1.0434	.75659	3.9025	1.8341	1.8039	.72862	1.1137	.33396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5061.6**	**86078.**	**6854.6**
Stddev	4.8	78.	23.4
%RSD	.09546	.09023	.34205
#1	5065.0	86133.	6871.1
#2	5058.2	86023.	6838.0

Sample Name: 280-62015-A-14-D MSD Acquired: 11/18/2014 0:38:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06079**	**165.55**	**1.0378**	**.97157**	**2.4065**	**.04915**	**2.2208**	**60.804**	**.09124**
Stddev	.00045	.47	.0002	.00121	.0074	.00002	.0014	.141	.00015
%RSD	.73231	.28242	.02082	.12504	.30638	.03758	.06279	.23164	.16162
#1	.06048	165.88	1.0380	.97071	2.4117	.04914	2.2198	60.904	.09134
#2	.06111	165.22	1.0377	.97243	2.4013	.04917	2.2217	60.704	.09113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74188**	**.32271**	**.39221**	**155.68**	**59.892**	**1.1309**	**63.178**	**2.6975**	**1.0426**
Stddev	.00033	.00020	.00051	.47	.217	.0037	.121	.0031	.0009
%RSD	.04471	.06324	.13113	.30502	.36279	.33030	.19140	.11431	.08854
#1	.74164	.32285	.39184	156.02	60.046	1.1335	63.093	2.6953	1.0433
#2	.74211	.32256	.39257	155.35	59.738	1.1282	63.264	2.6997	1.0420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.494**	**.59987**	**14.772**	**1.3569**	**24.891**	**.28754**	**2.0162**	**5.1258**	**1.8325**
Stddev	.020	.00010	.009	.0009	.027	.00213	.0056	.0666	.0023
%RSD	.03957	.01676	.06236	.06735	.10838	.73985	.27749	1.3001	.12698
#1	51.508	.59994	14.778	1.3563	24.910	.28904	2.0201	5.1729	1.8342
#2	51.480	.59979	14.765	1.3576	24.872	.28603	2.0122	5.0786	1.8309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0581**	**.76070**	**4.2941**	**1.8458**	**1.8239**	**.76776**	**1.3488**	**.31437**
Stddev	.0035	.00007	.0086	.0039	.0327	.00072	.0028	.00138
%RSD	.32807	.00965	.19924	.21043	1.7905	.09350	.20592	.44012
#1	1.0605	.76075	4.2880	1.8485	1.8469	.76725	1.3469	.31534
#2	1.0556	.76065	4.3001	1.8430	1.8008	.76827	1.3508	.31339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5092.8**	**86725.**	**6905.0**
Stddev	3.5	274.	5.8
%RSD	.06861	.31625	.08347
#1	5090.3	86919.	6900.9
#2	5095.2	86531.	6909.0

Sample Name: 280-62015-A-14-B PDS Acquired: 11/18/2014 0:40:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01541**	**93.421**	**.32352**	**.11416**	**.35023**	**.05204**	**.04063**	**30.373**	**.05397**
Stddev	.00038	.243	.00109	.00085	.00007	.00015	.00225	.058	.00014
%RSD	2.4384	.25996	.33748	.74781	.02009	.28201	5.5336	.19109	.26678
#1	.01567	93.249	.32429	.11476	.35018	.05193	.04222	30.332	.05407
#2	.01514	93.592	.32275	.11356	.35028	.05214	.03904	30.414	.05386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33016**	**.14151**	**.18013**	**127.60**	**23.530**	**.24415**	**33.148**	**1.9258**	**.05411**
Stddev	.00036	.00033	.00048	.48	.050	.00092	.002	.0001	.00001
%RSD	.11039	.23076	.26446	.37357	.21189	.37804	.00743	.00339	.02711
#1	.33042	.14174	.18047	127.26	23.494	.24350	33.147	1.9258	.05410
#2	.32990	.14128	.17979	127.94	23.565	.24480	33.150	1.9257	.05412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.096**	**.17522**	**6.8509**	**.87433**	**21.464**	**.09889**	**.22623**	**6.6368**	**.11430**
Stddev	.327	.00041	.0003	.00042	.030	.00058	.00416	.0005	.00014
%RSD	1.4167	.23573	.00389	.04812	.13866	.58448	1.8373	.00796	.12163
#1	22.865	.17551	6.8507	.87463	21.443	.09929	.22329	6.6364	.11440
#2	23.327	.17492	6.8510	.87404	21.485	.09848	.22917	6.6372	.11420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13280**	**.19517**	**1.8320**	**.21072**	**.47591**	**.25063**	**.93450**	**.05229**
Stddev	.00039	.00223	.0001	.00199	.00639	.00022	.00104	.00208
%RSD	.29055	1.1402	.00647	.94609	1.3432	.08656	.11136	3.9841
#1	.13253	.19675	1.8319	.21213	.48043	.25048	.93376	.05082
#2	.13307	.19360	1.8321	.20931	.47139	.25078	.93523	.05377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5191.5**	**88466.**	**6815.5**
Stddev	31.8	119.	21.8
%RSD	.61210	.13444	.32047
#1	5169.0	88382.	6800.0
#2	5214.0	88551.	6830.9

Sample Name: 280-62015-A-15-B Acquired: 11/18/2014 0:43:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00615**	**127.36**	**.09201**	**.02149**	**.34718**	**.00333**	**.06195**	**10.836**	**.00313**
Stddev	.00035	.06	.00042	.00004	.00009	.00005	.00232	.030	.00018
%RSD	5.7695	.04444	.45212	.16549	.02509	1.5150	3.7428	.27583	5.7023
#1	.00590	127.40	.09230	.02151	.34724	.00329	.06359	10.857	.00326
#2	.00640	127.32	.09171	.02146	.34712	.00336	.06031	10.815	.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14983**	**.13015**	**.16660**	**174.21**	**4.6348**	**.19899**	**20.668**	**1.3320**	**.00517**
Stddev	.00006	.00041	.00091	.03	.0148	.00112	.021	.0013	.00026
%RSD	.04081	.31494	.54437	.01768	.31987	.56495	.09946	.09546	4.9629
#1	.14978	.13044	.16724	174.23	4.6453	.19820	20.653	1.3311	.00499
#2	.14987	.12986	.16596	174.19	4.6243	.19979	20.682	1.3329	.00535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89454**	**.15765**	**6.9252**	**.79499**	**7.4112**	**-.00138**	**-.00127**	**2.2616**	**.01610**
Stddev	.00257	.00037	.0144	.00035	.0203	.00045	.00317	.0225	.00025
%RSD	.28762	.23623	.20786	.04359	.27410	32.626	249.21	.99684	1.5353
#1	.89636	.15791	6.9354	.79524	7.4255	-.00106	-.00352	2.2775	.01627
#2	.89272	.15739	6.9151	.79475	7.3968	-.00170	.00097	2.2457	.01592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10915**	**.00741**	**2.5924**	**.00591**	**-.00561**	**.20753**	**.71817**	**.01084**
Stddev	.00002	.00249	.0026	.00133	.00794	.00021	.00132	.00210
%RSD	.01771	33.565	.09842	22.533	141.61	.10351	.18343	19.334
#1	.10913	.00565	2.5906	.00685	-.01123	.20738	.71724	.01232
#2	.10916	.00917	2.5942	.00497	.00001	.20768	.71910	.00935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5361.8**	**91882.**	**7059.6**
Stddev	4.2	198.	20.2
%RSD	.07767	.21603	.28640
#1	5364.7	92022.	7045.3
#2	5358.8	91742.	7073.9

Sample Name: 280-62015-A-16-B Acquired: 11/18/2014 0:46:00 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00661**	**110.43**	**.09252**	**.01921**	**.29891**	**.00289**	**.05396**	**9.4397**	**.00403**
Stddev	.00037	.21	.00436	.00011	.00062	.00009	.00133	.0363	.00024
%RSD	5.5313	.18609	4.7159	.57603	.20798	3.1871	2.4662	.38454	6.0442
#1	.00635	110.29	.09560	.01913	.29847	.00282	.05490	9.4140	.00385
#2	.00687	110.58	.08943	.01929	.29935	.00295	.05302	9.4654	.00420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14745**	**.11586**	**.14647**	**146.47**	**4.1141**	**.18343**	**19.546**	**1.0773**	**.00591**
Stddev	.00066	.00002	.00023	.03	.0501	.00053	.023	.0004	.00000
%RSD	.44587	.01445	.15887	.02316	1.2187	.28729	.11935	.03976	.00818
#1	.14791	.11585	.14663	146.44	4.0787	.18306	19.563	1.0776	.00591
#2	.14698	.11587	.14630	146.49	4.1496	.18380	19.530	1.0770	.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4886**	**.14374**	**5.7774**	**.92446**	**12.147**	**.00124**	**.00435**	**2.3937**	**.01997**
Stddev	.0008	.00045	.0048	.00039	.003	.00096	.00362	.0286	.00042
%RSD	.05600	.31202	.08334	.04222	.02627	77.124	83.222	1.1951	2.0905
#1	1.4880	.14406	5.7740	.92418	12.145	.00192	.00179	2.3734	.02026
#2	1.4892	.14343	5.7808	.92474	12.149	.00056	.00691	2.4139	.01967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09700**	**.00810**	**2.2899**	**.00636**	**-.02385**	**.18831**	**.70981**	**.00661**
Stddev	.00027	.00087	.0019	.00173	.00201	.00001	.00044	.00074
%RSD	.28249	10.755	.08060	27.286	8.4326	.00451	.06143	11.140
#1	.09681	.00871	2.2912	.00758	-.02243	.18830	.71012	.00713
#2	.09720	.00748	2.2886	.00513	-.02527	.18831	.70950	.00609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5299.3**	**90686.**	**6987.4**
Stddev	5.4	56.	7.7
%RSD	.10152	.06136	.11081
#1	5295.5	90646.	6981.9
#2	5303.1	90725.	6992.9

Sample Name: 280-62015-A-17-B Acquired: 11/18/2014 0:48:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00712**	**148.79**	**.13209**	**.02280**	**.30349**	**.00368**	**.06479**	**7.6974**	**.00241**
Stddev	.00004	.03	.00488	.00034	.00010	.00002	.00153	.0180	.00024
%RSD	.59356	.02156	3.6983	1.4740	.03321	.47205	2.3599	.23411	10.102
#1	.00709	148.77	.13554	.02256	.30356	.00367	.06370	7.6846	.00224
#2	.00715	148.82	.12863	.02304	.30342	.00369	.06587	7.7101	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12547**	**.15259**	**.17298**	**182.36**	**4.9364**	**.22450**	**20.643**	**1.4448**	**.00795**
Stddev	.00029	.00028	.00018	.29	.0101	.00078	.019	.0005	.00021
%RSD	.23469	.18254	.10218	.15834	.20413	.34557	.09425	.03692	2.5991
#1	.12527	.15239	.17285	182.15	4.9435	.22396	20.630	1.4444	.00780
#2	.12568	.15278	.17310	182.56	4.9292	.22505	20.657	1.4451	.00810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6975**	**.18452**	**6.9268**	**1.1094**	**5.5601**	**-.00182**	**.00898**	**2.5657**	**.01953**
Stddev	.0262	.00025	.0097	.0002	.0009	.00182	.00109	.0057	.00025
%RSD	1.5432	.13693	.13995	.01679	.01604	100.24	12.197	.22324	1.2801
#1	1.6790	.18470	6.9337	1.1093	5.5595	-.00053	.00975	2.5616	.01935
#2	1.7160	.18434	6.9200	1.1096	5.5607	-.00311	.00820	2.5697	.01971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09751**	**.00342**	**2.7105**	**.00319**	**-.01524**	**.24035**	**.65331**	**.00537**
Stddev	.00007	.00063	.0024	.00011	.01192	.00062	.00107	.00129
%RSD	.07343	18.291	.09032	3.5427	78.192	.25716	.16430	24.100
#1	.09746	.00387	2.7088	.00327	-.00681	.24078	.65255	.00445
#2	.09756	.00298	2.7122	.00311	-.02366	.23991	.65406	.00629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5359.9**	**91667.**	**7096.7**
Stddev	2.6	4.	14.7
%RSD	.04829	.00388	.20648
#1	5361.7	91665.	7107.1
#2	5358.1	91670.	7086.4

Sample Name: ccvh-2982968 Acquired: 11/18/2014 0:51:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00567**	**52.770**	**.00165**	**.00320**	**.00100**	**-.00004**	F **1.1066**	**-.03694**	**-.00040**	**.00187**	**.00023**	**-.00572**
Stddev	.00043	.039	.00187	.00042	.00002	.00008	.0025	.00086	.00006	.00018	.00005	.00012
%RSD	7.6002	.07415	112.82	13.202	1.8271	207.07	.22207	2.3166	15.189	9.8672	22.678	2.1004
#1	.00597	52.797	.00297	.00350	.00101	-.00009	1.1049	-.03755	-.00036	.00174	.00020	-.00564
#2	.00536	52.742	.00033	.00291	.00099	.00002	1.1083	-.03634	-.00044	.00200	.00027	-.00581
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.162**	**.18242**	**.00308**	**.12126**	**-.00277**	**-.00174**	**264.23**	**.00097**	**.00433**	**.00355**	**5.2399**	**-.00193**
Stddev	.046	.01470	.00129	.00423	.00001	.00025	.22	.00015	.00444	.00015	.0139	.00176
%RSD	.09031	8.0600	41.979	3.4864	.30727	14.221	.08496	15.574	102.47	4.3196	.26497	91.280
#1	51.195	.17202	.00216	.12425	-.00277	-.00157	264.07	.00087	.00119	.00344	5.2301	-.00317
#2	51.129	.19282	.00399	.11827	-.00278	-.00192	264.39	.00108	.00747	.00366	5.2497	-.00068
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00337**	**-.03606**	**.00221**	**.00021**	**4.5838**	**-.01738**	**.00090**	**9.5696**	**.00304**	**-.00114**	**-.03956**
Stddev	.00104	.01288	.00105	.00013	.0032	.00011	.00029	.0171	.00025	.00033	.00105
%RSD	30.989	35.710	47.285	63.465	.06896	.62932	31.904	.17913	8.1553	28.849	2.6463
#1	-.00263	-.04517	.00295	.00011	4.5815	-.01746	.00110	9.5575	.00321	-.00138	-.04030
#2	-.00411	-.02695	.00147	.00030	4.5860	-.01731	.00070	9.5817	.00286	-.00091	-.03882
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4934.6**	**84474.**	**6396.5**
Stddev	10.3	97.	12.9
%RSD	.20793	.11472	.20233
#1	4941.8	84406.	6387.4
#2	4927.3	84543.	6405.7

Sample Name: ccv-2984587 Acquired: 11/18/2014 0:53:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53042**	**.54089**	**.97008**	**.51809**	**.50025**	**.49545**	**.00758**	**5.0784**	**.49521**	**.49411**	**.48105**	**.48485**
Stddev	.00020	.00601	.00273	.00243	.00003	.00079	.00092	.0046	.00293	.00252	.00220	.00077
%RSD	.03839	1.1113	.28091	.46912	.00557	.16000	12.180	.09133	.59187	.50987	.45816	.15884
#1	.53028	.54514	.97201	.51981	.50027	.49601	.00823	5.0817	.49728	.49589	.48261	.48540
#2	.53057	.53664	.96815	.51637	.50023	.49489	.00693	5.0751	.49314	.49232	.47949	.48431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.8793**	**49.399**	**1.0101**	**19.300**	**.50044**	**.53559**	**5.4807**	**.48732**	**.96988**	**1.0211**	**.00140**	**1.0571**
Stddev	.0022	.040	.0022	.027	.00014	.00212	.0185	.00256	.00408	.0042	.00427	.0003
%RSD	.07744	.07998	.21473	.14014	.02788	.39669	.33784	.52483	.42081	.40946	305.72	.02418
#1	2.8809	49.371	1.0116	19.280	.50054	.53709	5.4938	.48913	.97277	1.0240	.00441	1.0573
#2	2.8777	49.427	1.0085	19.319	.50035	.53409	5.4676	.48551	.96700	1.0181	-.00162	1.0570
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000											
Range	10.000%											

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0943**	**4.9306**	**1.0558**	**.47775**	**.03064**	**.49902**	**1.0549**	**.02326**	**.49873**	**.48430**	**.48432**
Stddev	.0003	.0020	.0015	.00022	.00151	.00038	.0092	.00940	.00010	.00012	.00414
%RSD	.02535	.04053	.14230	.04600	4.9300	.07637	.86930	40.420	.02004	.02448	.85421
#1	1.0945	4.9292	1.0568	.47791	.02958	.49875	1.0614	.02991	.49880	.48421	.48139
#2	1.0941	4.9320	1.0547	.47759	.03171	.49929	1.0484	.01661	.49866	.48438	.48724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5030.6**	**86565.**	**6352.6**
Stddev	17.7	155.	28.2
%RSD	.35179	.17924	.44348
#1	5018.1	86674.	6372.5
#2	5043.2	86455.	6332.7

Sample Name: CCB Acquired: 11/18/2014 0:56:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00154**	**.00947**	**-.00026**	W **.00195**	**.00058**	**.00011**	**-.00233**	**-.00544**	**.00027**	**-.00018**	**-.00006**	**-.00061**
Stddev	.00034	.00043	.00251	.00027	.00012	.00006	.00102	.00062	.00007	.00015	.00023	.00043
%RSD	22.269	4.5124	976.72	14.037	20.395	51.573	43.982	11.384	26.475	84.148	389.95	71.178
#1	.00130	.00977	.00152	.00215	.00066	.00015	-.00160	-.00500	.00022	-.00029	.00011	-.00092
#2	.00178	.00917	-.00203	.00176	.00050	.00007	-.00305	-.00588	.00033	-.00007	-.00023	-.00030
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00156								
Low Limit	-.00093			-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00862**	**.13992**	**.00116**	**.00494**	**.00010**	**.00046**	W **.13833**	**-.00024**	**.00363**	**.00022**	**.00279**	**.00127**
Stddev	.00130	.04698	.00237	.00127	.00007	.00017	.00753	.00013	.00216	.00138	.00128	.00071
%RSD	15.116	33.574	204.30	25.806	64.203	38.250	5.4465	56.088	59.562	613.90	45.736	55.562
#1	.00954	.17313	-.00052	.00404	.00015	.00058	.14366	-.00033	.00210	-.00075	.00369	.00077
#2	.00770	.10670	.00283	.00584	.00006	.00033	.13300	-.00014	.00516	.00120	.00189	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**.00403**	**.00008**	**.00008**	**.00330**	W **.00068**	**-.00067**	**.00851**	**-.00021**	**-.00066**	**.00099**
Stddev	.00396	.00589	.00127	.00003	.00070	.00010	.00138	.00072	.00018	.00023	.00015
%RSD	201.58	146.16	1505.1	38.404	21.250	14.140	205.46	8.4396	85.347	34.539	15.351
#1	-.00477	.00820	-.00082	.00011	.00280	.00061	-.00164	.00800	-.00008	-.00050	.00088
#2	.00084	-.00014	.00098	.00006	.00380	.00075	.00030	.00902	-.00033	-.00082	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5079.8**	**88280.**	**6333.3**
Stddev	1.3	85.	14.2
%RSD	.02562	.09602	.22413
#1	5080.7	88340.	6323.3
#2	5078.8	88220.	6343.3

Sample Name: CCVL2994499 Acquired: 11/18/2014 0:58:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01316**	**.11408**	**.01245**	**.10936**	**.01122**	**.00106**	W **.12645**	**.21551**	**.00535**	**.01066**	**.01042**	**.01506**
Stddev	.00043	.00125	.00530	.00037	.00014	.00007	.00143	.00018	.00012	.00014	.00033	.00002
%RSD	3.2974	1.0937	42.606	.33963	1.2361	6.7706	1.1288	.08526	2.1812	1.2829	3.1484	.14562
#1	.01347	.11497	.00870	.10962	.01132	.00111	.12746	.21538	.00543	.01056	.01019	.01504
#2	.01285	.11320	.01620	.10910	.01112	.00101	.12544	.21564	.00527	.01075	.01065	.01507
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000						.10000					
Range	30.000%						20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11183**	**3.3516**	**.01120**	**.22051**	**.01092**	**.02275**	W **1.2876**	**.04232**	**2.9805**	**.01029**	**.00483**	**.01188**
Stddev	.00088	.0021	.00093	.00044	.00004	.00022	.0084	.00033	.0074	.00170	.00019	.00006
%RSD	.78760	.06304	8.2917	.19877	.38223	.96704	.64899	.77125	.24975	16.560	3.8446	.53218
#1	.11245	3.3501	.01186	.22082	.01089	.02260	1.2817	.04209	2.9752	.01149	.00470	.01192
#2	.11121	3.3531	.01055	.22020	.01095	.02291	1.2935	.04255	2.9857	.00908	.00496	.01184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01707**	**.52260**	**.11396**	**.01032**	W **.01949**	**.01098**	**.01669**	**.06599**	**.01054**	**.01995**	**.01548**
Stddev	.00247	.01769	.00068	.00001	.00030	.00021	.00006	.02617	.00003	.00008	.00055
%RSD	14.484	3.3850	.60045	.13829	1.5309	1.8843	.35342	39.662	.29315	.41949	3.5366
#1	.01882	.53511	.11347	.01033	.01970	.01113	.01664	.04748	.01052	.02001	.01510
#2	.01532	.51009	.11444	.01031	.01928	.01084	.01673	.08450	.01056	.01990	.01587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.01500						
Range					20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5108.9**	**88695.**	**6396.5**
Stddev	5.4	95.	20.2
%RSD	.10632	.10767	.31595
#1	5112.7	88628.	6410.8
#2	5105.0	88763.	6382.2

Sample Name: 280-62015-A-18-B Acquired: 11/18/2014 1:01:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**132.67**	**.16841**	**.00773**	**.17099**	**.00383**	**.03205**	**10.639**	**-.00053**
Stddev	.00039	.03	.00197	.00038	.00015	.00004	.00114	.005	.00022
%RSD	8.8972	.02578	1.1671	4.8990	.08490	.97363	3.5622	.05049	42.122
#1	.00409	132.70	.16702	.00800	.17110	.00380	.03285	10.636	-.00069
#2	.00464	132.65	.16980	.00746	.17089	.00385	.03124	10.643	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13434**	**.13975**	**.10754**	**315.95**	**3.0690**	**.27466**	**33.596**	**3.2868**	**.01133**
Stddev	.00033	.00034	.00027	.02	.0334	.00017	.050	.0025	.00033
%RSD	.24457	.24151	.24988	.00653	1.0878	.06059	.14742	.07485	2.9052
#1	.13457	.13999	.10773	315.94	3.0926	.27478	33.631	3.2885	.01156
#2	.13411	.13951	.10735	315.97	3.0454	.27454	33.561	3.2850	.01110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78829**	**.22769**	**6.9431**	**.38260**	**.90437**	**-.00274**	**.00528**	**2.0425**	**.02492**
Stddev	.00919	.00001	.0127	.00049	.00093	.00093	.00076	.0056	.00084
%RSD	1.1660	.00642	.18367	.12790	.10280	34.078	14.322	.27325	3.3843
#1	.79479	.22768	6.9341	.38295	.90372	-.00340	.00474	2.0465	.02432
#2	.78179	.22770	6.9521	.38226	.90503	-.00208	.00581	2.0386	.02551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08520**	**-.00678**	**1.1710**	**.00671**	**.02726**	**.16737**	**.57893**	**.02310**
Stddev	.00014	.00053	.0001	.00147	.00217	.00073	.00026	.00106
%RSD	.16447	7.7809	.00551	21.845	7.9779	.43583	.04427	4.5931
#1	.08530	-.00715	1.1709	.00567	.02572	.16789	.57911	.02385
#2	.08510	-.00641	1.1710	.00775	.02880	.16686	.57875	.02235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5128.8**	**88176.**	**6778.2**
Stddev	7.2	210.	11.2
%RSD	.14124	.23799	.16561
#1	5123.7	88027.	6786.1
#2	5134.0	88324.	6770.2

Sample Name: 280-62015-A-19-A Acquired: 11/18/2014 1:04:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00499**	**94.652**	**.09914**	**.01677**	**.29465**	**.00263**	**.04331**	**8.1379**	**.00432**
Stddev	.00017	.020	.00283	.00028	.00006	.00003	.00062	.0040	.00012
%RSD	3.4383	.02136	2.8585	1.6767	.01888	1.2109	1.4340	.04858	2.8656
#1	.00487	94.638	.09714	.01658	.29461	.00265	.04375	8.1351	.00423
#2	.00511	94.666	.10114	.01697	.29469	.00261	.04287	8.1407	.00441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15761**	**.10012**	**.14309**	**147.18**	**3.2119**	**.14772**	**15.642**	**1.3637**	**.00534**
Stddev	.00111	.00020	.00012	.12	.0231	.00060	.025	.0018	.00008
%RSD	.70551	.20133	.08300	.08027	.71849	.40455	.15821	.13364	1.4745
#1	.15683	.10026	.14317	147.26	3.1955	.14814	15.659	1.3650	.00540
#2	.15840	.09997	.14300	147.09	3.2282	.14729	15.624	1.3624	.00529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91646**	**.12583**	**6.0702**	**.86049**	**7.8010**	**-.00070**	**.00086**	**1.4501**	**.02165**
Stddev	.00485	.00042	.0197	.00059	.0028	.00412	.00220	.0176	.00070
%RSD	.52875	.33462	.32486	.06803	.03567	585.44	255.63	1.2102	3.2552
#1	.91989	.12553	6.0563	.86007	7.8030	-.00362	.00242	1.4625	.02115
#2	.91303	.12613	6.0842	.86090	7.7991	.00221	-.00070	1.4377	.02215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08069**	**.00342**	**1.7895**	**.00339**	**.00278**	**.15687**	**.74568**	**.00648**
Stddev	.00004	.00036	.0027	.00134	.01619	.00103	.00095	.00061
%RSD	.04709	10.418	.15055	39.709	581.77	.65546	.12746	9.3846
#1	.08072	.00317	1.7914	.00434	.01423	.15760	.74635	.00605
#2	.08067	.00367	1.7876	.00244	-.00867	.15615	.74501	.00691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5307.1**	**90755.**	**6872.6**
Stddev	17.2	135.	2.0
%RSD	.32419	.14841	.02981
#1	5319.3	90660.	6874.1
#2	5295.0	90850.	6871.2

Sample Name: 280-62015-A-20-B Acquired: 11/18/2014 1:06:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**137.34**	**.12383**	**.01261**	**.24221**	**.00360**	**.03964**	**10.703**	**.00002**
Stddev	.00001	.40	.00203	.00063	.00042	.00000	.00328	.044	.00032
%RSD	.42151	.29021	1.6400	4.9865	.17528	.05205	8.2700	.40772	1503.4
#1	.00173	137.62	.12527	.01306	.24251	.00360	.03732	10.734	-.00020
#2	.00174	137.06	.12240	.01217	.24191	.00360	.04196	10.672	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10590**	**.13891**	**.07449**	**235.40**	**2.6669**	**.26935**	**28.973**	**2.0718**	**.00283**
Stddev	.00044	.00065	.00028	.92	.0404	.00144	.032	.0018	.00011
%RSD	.41899	.47066	.37168	.39214	1.5139	.53366	.11073	.08658	3.7562
#1	.10621	.13937	.07429	236.06	2.6955	.27037	28.996	2.0731	.00276
#2	.10558	.13844	.07468	234.75	2.6384	.26833	28.950	2.0706	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0356**	**.17433**	**6.2946**	**.13343**	**13.853**	**.00067**	**.00562**	**2.1058**	**.00829**
Stddev	.0014	.00018	.0159	.00296	.044	.00125	.00014	.0012	.00078
%RSD	.13270	.10561	.25258	2.2220	.31509	185.37	2.4319	.05647	9.3816
#1	1.0347	.17446	6.3059	.13133	13.822	-.00021	.00553	2.1067	.00884
#2	1.0366	.17420	6.2834	.13552	13.884	.00156	.00572	2.1050	.00774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08626**	**-.00373**	**1.6680**	**.00454**	**.01371**	**.20252**	**.46928**	**.00853**
Stddev	.00023	.00002	.0008	.00036	.03458	.00021	.00106	.00026
%RSD	.27044	.52202	.04701	7.8825	252.15	.10368	.22607	3.0383
#1	.08642	-.00374	1.6686	.00428	-.01074	.20267	.47003	.00834
#2	.08609	-.00372	1.6675	.00479	.03816	.20237	.46853	.00871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5190.1**	**88707.**	**6855.4**
Stddev	6.6	114.	12.1
%RSD	.12628	.12863	.17650
#1	5185.4	88626.	6846.9
#2	5194.7	88787.	6864.0

Sample Name: 280-62015-A-21-B Acquired: 11/18/2014 1:09:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00517**	**122.28**	**.08892**	**.02082**	**.37834**	**.00313**	**.06960**	**10.434**	**.00536**
Stddev	.00007	.03	.00376	.00019	.00003	.00002	.00216	.008	.00014
%RSD	1.2593	.02310	4.2282	.91216	.00850	.60855	3.1023	.07354	2.5658
#1	.00513	122.30	.08626	.02069	.37837	.00314	.07112	10.440	.00546
#2	.00522	122.26	.09158	.02096	.37832	.00312	.06807	10.429	.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20258**	**.13109**	**.22807**	**182.98**	**5.4501**	**.17227**	**18.819**	**2.2110**	**.01184**
Stddev	.00042	.00001	.00036	.10	.0310	.00288	.017	.0006	.00008
%RSD	.20631	.00435	.15707	.05714	.56898	1.6718	.08814	.02731	.69673
#1	.20229	.13109	.22781	183.06	5.4282	.17023	18.807	2.2114	.01179
#2	.20288	.13109	.22832	182.91	5.4720	.17430	18.831	2.2105	.01190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0878**	**.16057**	**9.0960**	**1.0494**	**6.5332**	**-.00063**	**.00989**	**2.0246**	**.02117**
Stddev	.0097	.00010	.0028	.0020	.0217	.00136	.00177	.0155	.00104
%RSD	.89190	.06224	.03127	.18904	.33147	215.62	17.905	.76682	4.9019
#1	1.0809	.16064	9.0940	1.0480	6.5179	-.00159	.00864	2.0136	.02190
#2	1.0947	.16050	9.0980	1.0508	6.5485	.00033	.01115	2.0355	.02044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10544**	**.00510**	**2.8030**	**.00527**	**.00522**	**.20111**	**1.0384**	**.01274**
Stddev	.00004	.00162	.0001	.00032	.02942	.00024	.0003	.00049
%RSD	.04078	31.769	.00478	6.0196	563.12	.11949	.03105	3.8553
#1	.10541	.00396	2.8029	.00505	.02603	.20094	1.0386	.01240
#2	.10547	.00625	2.8031	.00550	-.01558	.20128	1.0382	.01309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5353.7**	**91600.**	**7025.4**
Stddev	1.0	316.	2.7
%RSD	.01945	.34469	.03812
#1	5354.4	91824.	7027.3
#2	5353.0	91377.	7023.5

Sample Name: 280-62015-A-22-B Acquired: 11/18/2014 1:11:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00698**	**85.892**	**.07492**	**.01915**	**.29327**	**.00229**	**.04094**	**6.8242**	**.00498**
Stddev	.00025	.449	.00382	.00058	.00151	.00002	.00125	.0306	.00003
%RSD	3.5578	.52232	5.0948	3.0486	.51551	.89345	3.0519	.44760	.57458
#1	.00715	85.575	.07222	.01956	.29220	.00231	.04006	6.8026	.00496
#2	.00680	86.209	.07762	.01874	.29434	.00228	.04183	6.8458	.00500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18972**	**.08606**	**.12596**	**121.36**	**3.7029**	**.14359**	**13.031**	**1.1719**	**.00276**
Stddev	.00001	.00019	.00022	.20	.0283	.00274	.022	.0002	.00010
%RSD	.00392	.21731	.17326	.16612	.76388	1.9057	.16719	.01354	3.5327
#1	.18972	.08593	.12612	121.22	3.6829	.14552	13.046	1.1720	.00283
#2	.18971	.08620	.12581	121.50	3.7229	.14165	13.016	1.1718	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76207**	**.11248**	**6.2308**	**.90716**	**6.5172**	**.00203**	**.00316**	**1.8417**	**.01597**
Stddev	.00986	.00037	.0073	.00008	.0081	.00192	.00374	.0288	.00072
%RSD	1.2938	.32481	.11758	.00919	.12426	94.714	118.15	1.5649	4.4893
#1	.75510	.11222	6.2360	.90722	6.5229	.00067	.00581	1.8213	.01648
#2	.76905	.11273	6.2257	.90710	6.5115	.00339	.00052	1.8620	.01547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07225**	**.00303**	**1.7909**	**.00400**	**.01060**	**.15514**	**.74780**	**.00543**
Stddev	.00031	.00112	.0011	.00060	.00121	.00064	.00102	.00121
%RSD	.42721	37.175	.06144	14.871	11.407	.41073	.13611	22.350
#1	.07204	.00223	1.7916	.00443	.00975	.15469	.74708	.00457
#2	.07247	.00382	1.7901	.00358	.01146	.15559	.74852	.00629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5259.0**	**90556.**	**6814.3**
Stddev	1.4	158.	11.5
%RSD	.02683	.17413	.16815
#1	5260.0	90667.	6822.4
#2	5258.0	90444.	6806.2

Sample Name: 280-62015-A-23-B Acquired: 11/18/2014 1:14:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**137.79**	**.11081**	**.02126**	**.44313**	**.00352**	**.06762**	**11.192**	**.00596**
Stddev	.00001	.23	.00132	.00064	.00038	.00004	.00029	.010	.00001
%RSD	.20193	.16676	1.1909	2.9961	.08684	1.1132	.43293	.09170	.15475
#1	.00642	137.63	.10987	.02171	.44285	.00354	.06741	11.184	.00597
#2	.00640	137.96	.11174	.02081	.44340	.00349	.06782	11.199	.00595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27245**	**.13996**	**.21645**	**193.95**	**5.8087**	**.19612**	**20.128**	**2.3358**	**.00966**
Stddev	.00071	.00027	.00022	.37	.0247	.00216	.005	.0024	.00007
%RSD	.26178	.19368	.10173	.19288	.42543	1.1039	.02368	.10343	.74374
#1	.27295	.13976	.21661	193.69	5.8262	.19459	20.131	2.3376	.00971
#2	.27194	.14015	.21629	194.22	5.7912	.19765	20.124	2.3341	.00961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3159**	**.17790**	**9.0455**	**1.1372**	**9.8334**	**-.00196**	**.00148**	**2.0636**	**.02242**
Stddev	.0012	.00009	.0089	.0004	.0256	.00205	.00105	.0012	.00039
%RSD	.08951	.05095	.09852	.03220	.25982	104.51	71.045	.06010	1.7196
#1	1.3168	.17784	9.0518	1.1374	9.8515	-.00051	.00073	2.0627	.02269
#2	1.3151	.17797	9.0392	1.1369	9.8154	-.00341	.00222	2.0645	.02214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10874**	**.00248**	**2.8646**	**.00417**	**.00279**	**.25186**	**1.0669**	**.00933**
Stddev	.00010	.00168	.0010	.00008	.04428	.00050	.0009	.00010
%RSD	.08777	67.818	.03414	1.9114	1588.4	.20008	.08733	1.0671
#1	.10867	.00129	2.8653	.00412	.03410	.25221	1.0662	.00926
#2	.10881	.00367	2.8640	.00423	-.02852	.25150	1.0675	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5354.6**	**91939.**	**6964.5**
Stddev	3.6	236.	4.5
%RSD	.06811	.25720	.06408
#1	5352.0	91772.	6967.7
#2	5357.2	92107.	6961.4

Sample Name: 280-62015-A-25-B Acquired: 11/18/2014 1:16:45 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**132.66**	**.10148**	**.01362**	**.23091**	**.00337**	**.04211**	**10.613**	**.00078**
Stddev	.00055	.09	.00365	.00007	.00040	.00004	.00368	.026	.00012
%RSD	31.880	.06467	3.5997	.50781	.17290	1.2870	8.7356	.24794	15.076
#1	.00213	132.60	.10406	.01367	.23063	.00340	.03951	10.595	.00087
#2	.00135	132.72	.09890	.01357	.23119	.00334	.04471	10.632	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10930**	**.13599**	**.10414**	**225.38**	**2.7170**	**.27055**	**28.009**	**1.7079**	**.00256**
Stddev	.00010	.00028	.00028	.05	.0390	.00127	.008	.0010	.00032
%RSD	.09433	.20805	.26997	.02071	1.4348	.46812	.02919	.06061	12.546
#1	.10937	.13579	.10434	225.35	2.6894	.27145	28.015	1.7072	.00278
#2	.10922	.13619	.10395	225.42	2.7445	.26966	28.003	1.7086	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71221**	**.19951**	**6.6379**	**.19370**	**7.0852**	**-.00218**	**.00390**	**2.0608**	**.01110**
Stddev	.00461	.00020	.0134	.00049	.0186	.00088	.00504	.0006	.00001
%RSD	.64708	.09802	.20106	.25230	.26180	40.533	129.09	.03129	.11147
#1	.71547	.19965	6.6473	.19405	7.0721	-.00281	.00746	2.0612	.01111
#2	.70895	.19937	6.6284	.19335	7.0984	-.00156	.00034	2.0603	.01109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08681**	**-.00576**	**1.6208**	**.00393**	**.00668**	**.18093**	**.59210**	**.00893**
Stddev	.00023	.00042	.0008	.00069	.01267	.00033	.00152	.00084
%RSD	.25982	7.3499	.05272	17.506	189.59	.18153	.25740	9.3878
#1	.08665	-.00606	1.6202	.00441	.01565	.18116	.59318	.00834
#2	.08697	-.00546	1.6214	.00344	-.00228	.18069	.59102	.00953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5270.3**	**90031.**	**6897.4**
Stddev	1.8	1.	7.2
%RSD	.03449	.00062	.10420
#1	5269.0	90031.	6902.5
#2	5271.6	90030.	6892.3

Sample Name: 280-62015-A-26-B Acquired: 11/18/2014 1:19:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00591**	**159.21**	**.14488**	**.02146**	**.44163**	**.00405**	**.06419**	**14.929**	**.00305**
Stddev	.00006	.06	.00172	.00017	.00098	.00000	.00327	.017	.00005
%RSD	1.0749	.03975	1.1883	.77978	.22172	.00274	5.0879	.11473	1.5309
#1	.00596	159.16	.14610	.02134	.44233	.00405	.06188	14.917	.00302
#2	.00587	159.25	.14366	.02158	.44094	.00405	.06650	14.941	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29354**	**.14741**	**.15940**	**206.04**	**5.0899**	**.25996**	**23.686**	**2.0514**	**.00496**
Stddev	.00011	.00014	.00129	.18	.0955	.00119	.039	.0016	.00031
%RSD	.03685	.09232	.81152	.08703	1.8755	.45633	.16278	.07737	6.2464
#1	.29347	.14731	.15849	205.91	5.1574	.25912	23.659	2.0502	.00518
#2	.29362	.14750	.16032	206.17	5.0224	.26079	23.713	2.0525	.00474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1807**	**.18965**	**9.0682**	**.70469**	**16.996**	**-.00312**	**.00572**	**2.2900**	**.01717**
Stddev	.0004	.00017	.0062	.00358	.008	.00192	.00078	.0050	.00052
%RSD	.03551	.08830	.06790	.50812	.04710	61.564	13.680	.21664	3.0084
#1	1.1810	.18977	9.0638	.70722	16.991	-.00447	.00517	2.2935	.01681
#2	1.1804	.18953	9.0725	.70215	17.002	-.00176	.00627	2.2865	.01754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12041**	**.00081**	**2.6822**	**.00589**	**.00445**	**.22145**	**.75550**	**.01173**
Stddev	.00029	.00052	.0015	.00038	.02145	.00026	.00145	.00180
%RSD	.24423	63.627	.05639	6.4695	481.66	.11581	.19198	15.331
#1	.12062	.00045	2.6812	.00616	.01962	.22163	.75448	.01300
#2	.12020	.00118	2.6833	.00562	-.01071	.22127	.75653	.01045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5360.5**	**91742.**	**7119.3**
Stddev	2.0	207.	20.0
%RSD	.03679	.22523	.28099
#1	5359.1	91596.	7133.4
#2	5361.9	91888.	7105.1

Sample Name: 280-62015-A-27-B Acquired: 11/18/2014 1:21:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00682**	**118.37**	**.09333**	**.01556**	**.36202**	**.00332**	**.05503**	**11.995**	**.00881**
Stddev	.00052	.18	.00275	.00048	.00068	.00005	.00068	.014	.00006
%RSD	7.5569	.15615	2.9447	3.0647	.18706	1.5158	1.2410	.11467	.64180
#1	.00719	118.24	.09138	.01522	.36154	.00329	.05454	11.985	.00877
#2	.00646	118.50	.09527	.01590	.36250	.00336	.05551	12.005	.00885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24407**	**.14160**	**.26326**	**161.83**	**4.3137**	**.20131**	**22.673**	**1.3249**	**.01189**
Stddev	.00020	.00000	.00024	.06	.0022	.00144	.009	.0001	.00016
%RSD	.08204	.00087	.09018	.03872	.05180	.71561	.03862	.00389	1.3045
#1	.24422	.14160	.26309	161.88	4.3153	.20029	22.667	1.3249	.01178
#2	.24393	.14160	.26343	161.79	4.3122	.20233	22.680	1.3249	.01200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7464**	**.17884**	**6.7553**	**1.4486**	**13.512**	**-.00096**	**.00537**	**1.4135**	**.03003**
Stddev	.0128	.00024	.0060	.0007	.025	.00120	.00107	.0159	.00075
%RSD	.73346	.13367	.08831	.04918	.18229	124.88	20.005	1.1245	2.5136
#1	1.7374	.17867	6.7511	1.4481	13.495	-.00182	.00613	1.4247	.03057
#2	1.7555	.17900	6.7595	1.4491	13.529	-.00011	.00461	1.4022	.02950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10803**	**.00812**	**2.2486**	**.00484**	**-.01406**	**.21924**	**1.1815**	**.01045**
Stddev	.00009	.00015	.0003	.00115	.04538	.00001	.0016	.00004
%RSD	.08498	1.8436	.01102	23.777	322.75	.00645	.13385	.37590
#1	.10810	.00823	2.2484	.00566	.01803	.21925	1.1804	.01048
#2	.10797	.00802	2.2488	.00403	-.04615	.21923	1.1826	.01043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5415.7**	**92780.**	**7083.5**
Stddev	.8	10.	5.5
%RSD	.01517	.01126	.07823
#1	5416.3	92788.	7087.4
#2	5415.1	92773.	7079.6

Sample Name: 280-62015-A-28-B Acquired: 11/18/2014 1:24:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251532 6010C Q4 soil (No)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**120.62**	**.11624**	**.01228**	**.21988**	**.00361**	**.03611**	**9.8949**	**.00008**
Stddev	.00069	.05	.00178	.00100	.00002	.00004	.00372	.0111	.00002
%RSD	43.773	.04179	1.5310	8.1669	.00718	1.1451	10.298	.11214	25.369
#1	.00108	120.58	.11499	.01299	.21987	.00358	.03874	9.8870	.00006
#2	.00206	120.65	.11750	.01157	.21989	.00364	.03348	9.9027	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09923**	**.12427**	**.06524**	**212.27**	**2.4336**	**.23749**	**24.587**	**2.2286**	**.00297**
Stddev	.00015	.00001	.00040	.46	.0240	.00193	.002	.0021	.00053
%RSD	.15609	.00572	.60630	.21805	.98820	.81408	.00683	.09617	17.852
#1	.09934	.12427	.06496	211.94	2.4166	.23612	24.586	2.2271	.00335
#2	.09912	.12428	.06552	212.60	2.4506	.23886	24.588	2.2301	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92962**	**.15751**	**6.2470**	**.12102**	**11.598**	**-.00141**	**.00518**	**2.3636**	**.00896**
Stddev	.00177	.00018	.0116	.00350	.006	.00088	.00558	.0069	.00022
%RSD	.19077	.11512	.18607	2.8889	.04906	62.625	107.61	.29050	2.4050
#1	.93088	.15764	6.2552	.11855	11.602	-.00203	.00124	2.3588	.00911
#2	.92837	.15738	6.2388	.12349	11.594	-.00079	.00913	2.3685	.00880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08043**	**-.00164**	**1.5484**	**.00598**	**.00795**	**.17747**	**.41760**	**.00984**
Stddev	.00012	.00037	.0031	.00008	.01488	.00001	.00166	.00019
%RSD	.14403	22.238	.20262	1.3215	187.14	.00685	.39822	1.8997
#1	.08051	-.00139	1.5461	.00604	-.00257	.17746	.41643	.00997
#2	.08035	-.00190	1.5506	.00593	.01847	.17748	.41878	.00971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5214.6**	**89811.**	**6895.6**
Stddev	9.7	157.	24.2
%RSD	.18551	.17429	.35079
#1	5207.7	89701.	6878.5
#2	5221.4	89922.	6912.7

Sample Name: ccvh-2982968 Acquired: 11/18/2014 1:26:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00561**	**53.569**	**-.00329**	**.00199**	**.00113**	**-.00001**	F **1.1261**	**-.03581**	**-.00033**	**.00174**	**.00019**	**-.00593**
Stddev	.00038	.037	.00221	.00061	.00006	.00001	.0069	.00104	.00003	.00018	.00014	.00046
%RSD	6.8138	.06817	67.126	30.565	5.6512	95.806	.61377	2.9057	8.7876	10.207	74.017	7.7935
#1	.00588	53.595	-.00173	.00156	.00108	-.00000	1.1213	-.03507	-.00031	.00187	.00009	-.00626
#2	.00534	53.543	-.00485	.00241	.00117	-.00001	1.1310	-.03654	-.00035	.00162	.00029	-.00560
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.792**	**.15098**	**.00010**	**.12123**	**-.00258**	**-.00203**	**267.22**	**.00094**	**.00431**	**.00262**	**5.3187**	**-.00403**
Stddev	.061	.02551	.00049	.00358	.00000	.00035	.01	.00006	.00385	.00150	.0018	.00124
%RSD	.11694	16.896	470.53	2.9561	.00840	17.333	.00194	6.1964	89.325	57.227	.03451	30.793
#1	51.834	.13295	-.00024	.12377	-.00258	-.00178	267.22	.00098	.00703	.00156	5.3200	-.00491
#2	51.749	.16902	.00045	.11870	-.00258	-.00228	267.23	.00090	.00159	.00368	5.3174	-.00316
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00470**	**-.01332**	**.00178**	**.00031**	**4.6079**	**-.01707**	**.00183**	**9.6069**	**.00322**	**-.00088**	**-.04441**
Stddev	.00283	.00715	.00056	.00004	.0103	.00005	.00048	.0593	.00002	.00024	.00035
%RSD	60.294	53.707	31.791	13.179	.22338	.29113	26.544	.61704	.76920	27.378	.79241
#1	.00269	-.00826	.00218	.00028	4.6006	-.01710	.00217	9.5650	.00324	-.00071	-.04466
#2	.00670	-.01837	.00138	.00034	4.6152	-.01703	.00148	9.6489	.00320	-.00105	-.04416
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4928.9**	**84889.**	**6393.8**
Stddev	8.9	138.	17.8
%RSD	.18131	.16215	.27770
#1	4935.2	84986.	6381.2
#2	4922.6	84792.	6406.3

Sample Name: ccv-2984587 Acquired: 11/18/2014 1:29:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53038**	**.54044**	**.96809**	**.51889**	**.50018**	**.49640**	**.00570**	**5.0759**	**.49489**	**.49232**	**.47936**	**.48017**
Stddev	.00090	.00077	.00582	.00135	.00184	.00129	.00040	.0278	.00088	.00018	.00021	.00260
%RSD	.16976	.14280	.60157	.25947	.36758	.26016	6.9527	.54702	.17867	.03614	.04423	.54082
#1	.52975	.53989	.96397	.51793	.49888	.49549	.00598	5.0563	.49426	.49219	.47921	.48200
#2	.53102	.54099	.97221	.51984	.50148	.49731	.00542	5.0956	.49551	.49244	.47951	.47833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6072**	**49.289**	**1.0071**	**19.213**	**.49854**	**.53763**	**5.4443**	**.48600**	**.96783**	**1.0178**	**-.00406**	**1.0669**
Stddev	.0162	.233	.0019	.015	.00005	.00167	.0042	.00023	.00029	.0023	.00159	.0015
%RSD	.62155	.47267	.19111	.08018	.01034	.30997	.07704	.04773	.03032	.22918	39.081	.14054
#1	2.5958	49.124	1.0057	19.224	.49857	.53645	5.4414	.48583	.96762	1.0162	-.00518	1.0658
#2	2.6187	49.454	1.0084	19.202	.49850	.53881	5.4473	.48616	.96803	1.0195	-.00294	1.0679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1074**	**4.9225**	**1.0612**	**.47523**	**.03154**	**.49965**	**1.0582**	**-.00447**	**.49902**	**.47461**	**.48138**
Stddev	.0080	.0142	.0005	.00139	.00108	.00072	.0005	.00822	.00015	.00073	.00043
%RSD	.71901	.28862	.04573	.29240	3.4386	.14425	.04373	183.87	.03013	.15464	.09025
#1	1.1018	4.9125	1.0615	.47425	.03077	.49914	1.0586	-.01028	.49912	.47409	.48107
#2	1.1130	4.9326	1.0608	.47622	.03231	.50016	1.0579	.00134	.49891	.47513	.48168
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5050.5**	**87167.**	**6413.4**
Stddev	9.7	114.	43.8
%RSD	.19204	.13042	.68238
#1	5057.3	87087.	6444.3
#2	5043.6	87248.	6382.4

Sample Name: CCB Acquired: 11/18/2014 1:31:57 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00220**	**-.00198**	W **-.00450**	**.00147**	W **.00063**	**.00016**	**-.00357**	**-.00606**	**.00003**	**.00018**	**-.00012**
Stddev	.00019	.00072	.00200	.00000	.00003	.00007	.00037	.00078	.00006	.00003	.00005
%RSD	8.5365	36.587	44.490	.22318	4.9627	42.135	10.362	12.944	203.23	15.063	43.942
#1	.00207	-.00147	-.00591	.00147	.00066	.00011	-.00331	-.00550	-.00001	.00020	-.00008
#2	.00233	-.00249	-.00308	.00148	.00061	.00021	-.00383	-.00661	.00008	.00017	-.00015
Check ?	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00180		.00440		.00058						
Low Limit	-.00180		-.00440		-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	W **.02833**	**.12103**	**.00101**	**.00658**	**.00017**	**.00050**	W **.12601**	**-.00064**	**.00045**	**.00033**
Stddev	.00021	.00008	.02757	.00074	.00031	.00003	.00017	.01140	.00039	.00004	.00133
%RSD	23.336	.26715	22.782	73.326	4.6449	15.042	34.441	9.0490	61.614	8.0796	408.63
#1	-.00105	.02828	.10154	.00049	.00679	.00015	.00038	.11795	-.00092	.00042	.00127
#2	-.00075	.02839	.14053	.00153	.00636	.00018	.00062	.13408	-.00036	.00048	-.00062
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.02200						.09160			
Low Limit		-.02200						-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	**.00137**	**-.00102**	**-.00522**	**-.00017**	**.00004**	**.00512**	W **.00099**	**.00004**	**.02288**	**-.00041**
Stddev	.00426	.00056	.00192	.02457	.00075	.00008	.00027	.00007	.00094	.00498	.00053
%RSD	126.80	40.830	188.37	470.46	437.05	207.91	5.3365	7.1421	2238.1	21.752	130.68
#1	.00035	.00098	.00034	-.02260	.00036	.00009	.00493	.00094	.00071	.02640	-.00003
#2	.00637	.00177	-.00238	.01215	-.00070	-.00002	.00532	.00104	-.00062	.01936	-.00079
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.00060			
Low Limit								-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00035**	**-.00129**
Stddev	.00000	.00145
%RSD	.11522	112.02
#1	-.00035	-.00231
#2	-.00035	-.00027
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5103.0**	**89178.**	**6389.3**
Stddev	7.5	109.	15.4
%RSD	.14744	.12238	.24158
#1	5097.7	89101.	6400.3
#2	5108.4	89255.	6378.4

Sample Name: CCVL2994499 Acquired: 11/18/2014 1:34:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01380**	**.11613**	W **.01179**	**.11051**	**.01147**	**.00114**	W **.12871**	F **.30249**	**.00546**	**.01103**	**.01029**	**.01512**
Stddev	.00001	.00029	.00023	.00011	.00010	.00000	.00061	.00152	.00026	.00014	.00031	.00010
%RSD	.09827	.25264	1.9753	.10041	.88348	.29515	.47109	.50278	4.7905	1.2642	3.0388	.63962
#1	.01381	.11592	.01163	.11059	.01140	.00114	.12914	.30141	.00527	.01093	.01007	.01518
#2	.01379	.11633	.01196	.11043	.01154	.00113	.12828	.30356	.00564	.01113	.01051	.01505
Check ?	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000		.01500				.10000	.20000				
Range	30.000%		-20.000%				20.000%	30.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11466**	**3.3566**	**.01103**	**.22540**	**.01105**	**.02343**	W **1.2898**	**.04294**	**3.0272**	**.01042**	**.00720**	**.01140**
Stddev	.00330	.0305	.00086	.00025	.00001	.00007	.0024	.00016	.0028	.00226	.00137	.00140
%RSD	2.8742	.90858	7.7766	.11006	.11650	.31286	.18895	.36590	.09264	21.661	18.997	12.256
#1	.11699	3.3782	.01164	.22558	.01106	.02348	1.2880	.04305	3.0292	.01201	.00816	.01239
#2	.11233	3.3351	.01043	.22523	.01104	.02338	1.2915	.04282	3.0253	.00882	.00623	.01042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01130**	**.54139**	**.11549**	**.01063**	W **.01894**	**.01111**	**.01744**	W **.07484**	**.01025**	**.02037**	**.01529**
Stddev	.00077	.01282	.00116	.00007	.00160	.00058	.00125	.01539	.00014	.00004	.00081
%RSD	6.7699	2.3688	1.0037	.64377	8.4357	5.2109	7.1570	20.571	1.3598	.20329	5.3219
#1	.01184	.55046	.11631	.01059	.01781	.01152	.01656	.08572	.01016	.02040	.01471
#2	.01076	.53232	.11467	.01068	.02007	.01070	.01832	.06395	.01035	.02034	.01586
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value	.01500				.01500			.06000			
Range	-20.000%				20.000%			20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5113.7**	**89072.**	**6388.5**
Stddev	5.9	215.	17.3
%RSD	.11587	.24121	.27101
#1	5117.9	88921.	6400.8
#2	5109.5	89224.	6376.3

Sample Name: MB 280-251462/1-A Acquired: 11/18/2014 1:37:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/6 Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**-.00252**	**-.00250**	**.00100**	**.00048**	**.00002**	W **-.00556**	**.00302**	**.00003**
Stddev	.00016	.00047	.00056	.00028	.00025	.00000	.00062	.00096	.00012
%RSD	9.6395	18.640	22.261	28.147	52.036	.98426	11.204	31.838	400.71
#1	.00178	-.00219	-.00289	.00120	.00066	.00002	-.00601	.00370	.00011
#2	.00156	-.00285	-.00210	.00080	.00030	.00002	-.00512	.00234	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							.00500		
Low Limit							-.00500		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00003**	**-.00094**	**.00349**	**.14228**	**-.00006**	**.00418**	**.00011**	**.00001**
Stddev	.00007	.00009	.00027	.00009	.02436	.00054	.00151	.00003	.00047
%RSD	96.747	317.92	28.229	2.7093	17.124	837.87	36.155	28.954	5262.4
#1	-.00002	-.00010	-.00075	.00343	.15950	.00031	.00311	.00014	.00034
#2	-.00013	.00004	-.00113	.00356	.12505	-.00044	.00524	.00009	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11700**	**-.00058**	W **.00716**	**-.00053**	**.00918**	**.00113**	**.00395**	**-.01560**	**.00009**
Stddev	.00529	.00033	.00185	.00067	.00431	.00169	.00298	.01311	.00086
%RSD	4.5172	57.932	25.865	126.95	46.885	149.83	75.447	84.041	927.09
#1	.12074	-.00081	.00585	-.00005	.01223	-.00007	.00184	-.00633	-.00051
#2	.11327	-.00034	.00847	-.00100	.00614	.00232	.00605	-.02486	.00070
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500						
Low Limit			-.00500						

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00358**	**.00030**	**.00022**	**.00753**	**.00001**	**.00057**	**-.00047**
Stddev	.00004	.00189	.00016	.00131	.00287	.00040	.00045	.00187
%RSD	37.334	52.793	53.371	598.37	38.115	7185.4	79.468	395.97
#1	.00008	.00492	.00019	-.00071	.00955	.00029	.00089	.00085
#2	.00013	.00225	.00041	.00115	.00550	-.00028	.00025	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5163.2**	**90231.**	**6457.8**
Stddev	6.2	1.	19.4
%RSD	.12077	.00101	.30052
#1	5158.8	90231.	6444.1
#2	5167.6	90232.	6471.5

Sample Name: LCS 280-251462/2-A Acquired: 11/18/2014 1:39:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.06077**	**2.1362**	**1.0031**	F **1.1022**	**2.0997**	**.05210**	F **2.3976**	**53.355**	**.09606**
Stddev	.00043	.0027	.0004	.0016	.0014	.00003	.0038	.078	.00021
%RSD	.71078	.12818	.03834	.14244	.06478	.05164	.15894	.14664	.21761
#1	.06047	2.1382	1.0028	1.1011	2.1006	.05208	2.3949	53.411	.09591
#2	.06108	2.1343	1.0034	1.1033	2.0987	.05211	2.4003	53.300	.09621
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750			1.1000			2.2000		
Low Limit	.04300			.89000			1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50745**	**.20116**	**.25072**	F **1.1533**	**52.214**	**1.0533**	**49.898**	**.54376**	F **1.1479**
Stddev	.00070	.00001	.00128	.0033	.076	.0038	.059	.00012	.0012
%RSD	.13785	.00444	.50932	.28482	.14621	.36150	.11879	.02143	.10174
#1	.50794	.20116	.24981	1.1557	52.268	1.0560	49.856	.54384	1.1487
#2	.50695	.20115	.25162	1.1510	52.160	1.0506	49.940	.54368	1.1470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				1.1400					1.1000
Low Limit				.88000					.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.162**	**.49591**	**10.420**	**.52886**	**2.2513**	F **.57185**	F **2.3012**	**10.411**	**2.2259**
Stddev	.291	.00034	.005	.00080	.0035	.00058	.0003	.052	.0019
%RSD	.51799	.06773	.04795	.15123	.15462	.10189	.01346	.49991	.08747
#1	55.957	.49567	10.417	.52830	2.2488	.57143	2.3009	10.448	2.2273
#2	56.368	.49614	10.424	.52943	2.2538	.57226	2.3014	10.374	2.2246
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	56.000					.54000	2.2000		
Low Limit	45.500					.44000	1.8000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99524**	**.96331**	**1.0525**	**2.1359**	**2.0262**	**.53135**	F **.56053**	**.50172**
Stddev	.00131	.00035	.0013	.0058	.0453	.00042	.00103	.00224
%RSD	.13113	.03653	.11866	.27130	2.2354	.07928	.18371	.44580
#1	.99617	.96306	1.0516	2.1318	1.9942	.53106	.56126	.50330
#2	.99432	.96356	1.0534	2.1400	2.0583	.53165	.55980	.50014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.55000	
Low Limit							.42500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4920.4**	**85721.**	**6412.2**
Stddev	5.0	33.	11.6
%RSD	.10132	.03892	.18049
#1	4916.8	85697.	6420.4
#2	4923.9	85744.	6404.0

Sample Name: 280-61961-B-1-D Acquired: 11/18/2014 1:42:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**-.00196**	**.00593**	**3.1307**	**.03412**	**.00002**	**-.00848**	**91.171**	**.00022**
Stddev	.00005	.00027	.00042	.0001	.00014	.00007	.00063	.014	.00022
%RSD	2.9227	13.518	7.0338	.00145	.41086	290.04	7.4194	.01495	97.245
#1	.00179	-.00215	.00622	3.1308	.03422	-.00003	-.00893	91.161	.00007
#2	.00187	-.00177	.00563	3.1307	.03403	.00008	-.00804	91.180	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.00055**	**.00323**	**.02135**	**48.953**	**.77056**	**44.711**	**.00142**	**.02351**
Stddev	.00029	.00023	.00066	.00288	.057	.00076	.076	.00002	.00021
%RSD	5.1204	42.257	20.323	13.473	.11739	.09897	.16911	1.4488	.88811
#1	.00593	.00038	.00369	.01931	48.994	.77110	44.764	.00141	.02366
#2	.00552	.00071	.00276	.02338	48.912	.77002	44.658	.00144	.02337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **769.37**	**.03986**	**.15249**	**-.00031**	**195.84**	**.00292**	**.00395**	**24.860**	**.00786**
Stddev	.41	.00039	.00290	.00045	.06	.00127	.00031	.044	.00043
%RSD	.05295	.97986	1.9039	144.88	.02894	43.472	7.9002	.17747	5.5042
#1	769.66	.03959	.15043	-.00063	195.80	.00202	.00417	24.828	.00755
#2	769.08	.04014	.15454	.00001	195.88	.00382	.00373	24.891	.00817
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4192**	**.00470**	**.00100**	**.00054**	**.02874**	**.02566**	**.00224**	**-.00104**
Stddev	.0024	.00116	.00056	.00122	.03170	.00007	.00027	.00098
%RSD	.09775	24.641	56.557	226.56	110.30	.27524	11.933	94.559
#1	2.4209	.00388	.00139	.00140	.05115	.02571	.00205	-.00034
#2	2.4176	.00552	.00060	-.00032	.00632	.02561	.00243	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4660.4**	**79889.**	**6275.4**
Stddev	2.5	3.	6.9
%RSD	.05322	.00424	.10949
#1	4658.6	79886.	6280.3
#2	4662.1	79891.	6270.5

Sample Name: 280-61961-B-2-B Acquired: 11/18/2014 1:45:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**-.00184**	**.00121**	**8.6159**	**.03101**	**.00001**	**-.00918**	W **821.01**	**.00071**
Stddev	.00041	.00335	.00022	.0010	.00005	.00004	.00387	6.58	.00007
%RSD	28.404	181.66	18.247	.01198	.16862	362.88	42.114	.80142	10.285
#1	.00116	.00052	.00137	8.6166	.03098	-.00002	-.01192	825.66	.00065
#2	.00174	-.00421	.00106	8.6152	.03105	.00004	-.00645	816.36	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00083**	**.00130**	**.02699**	**12.073**	**.52553**	**270.25**	**.06557**	**.00339**
Stddev	.00005	.00008	.00002	.00062	.785	.00055	.68	.00008	.00026
%RSD	4.9843	9.3282	1.1983	2.2947	6.5044	.10549	.25153	.12886	7.7872
#1	.00094	.00089	.00129	.02743	11.517	.52513	269.76	.06563	.00358
#2	.00101	.00078	.00131	.02655	12.628	.52592	270.73	.06551	.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3465.4**	**.00235**	**.75729**	**.00024**	**545.55**	**-.00036**	**-.00197**	**29.427**	**-.00101**
Stddev	.7	.00016	.00813	.00240	1.17	.00005	.00900	.004	.00172
%RSD	.01894	7.0093	1.0738	986.14	.21418	13.496	456.38	.01197	170.97
#1	3465.9	.00247	.75154	.00194	546.37	-.00032	-.00833	29.430	.00021
#2	3464.9	.00224	.76304	-.00145	544.72	-.00039	.00439	29.425	-.00222
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.807**	**.00488**	**.00125**	**.00075**	**.09922**	**.02568**	**.00277**	**-.00174**
Stddev	.020	.00314	.00016	.00095	.01471	.00080	.00045	.00130
%RSD	.12131	64.422	13.148	125.35	14.829	3.1003	16.100	75.133
#1	16.793	.00710	.00137	.00009	.10962	.02512	.00308	-.00266
#2	16.822	.00266	.00114	.00142	.08882	.02625	.00245	-.00081
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4037.3**	**69651.**	**5917.7**
Stddev	1.7	94.	7.0
%RSD	.04121	.13510	.11907
#1	4036.1	69718.	5912.7
#2	4038.5	69585.	5922.7

Sample Name: 280-61961-B-3-B Acquired: 11/18/2014 1:48:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**.00462**	**.00048**	**8.2984**	**.02965**	**-.00001**	**-.00873**	W **787.59**	**.00067**
Stddev	.00023	.00062	.00239	.0006	.00000	.00004	.00458	1.02	.00031
%RSD	13.135	13.520	497.45	.00777	.01287	473.38	52.493	.12897	46.259
#1	.00195	.00418	-.00121	8.2988	.02965	-.00004	-.00549	788.31	.00045
#2	.00162	.00506	.00217	8.2979	.02966	.00002	-.01197	786.87	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.00082**	**.00101**	**.01961**	**12.681**	**.49771**	**259.52**	**.06232**	**.00309**
Stddev	.00011	.00026	.00002	.00169	.314	.00107	1.05	.00014	.00050
%RSD	9.2517	31.106	2.2714	8.6375	2.4795	.21449	.40271	.22957	16.296
#1	.00115	.00064	.00100	.02081	12.459	.49696	260.26	.06222	.00344
#2	.00131	.00101	.00103	.01842	12.903	.49847	258.78	.06242	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3328.6**	**.00223**	**.72693**	**-.00018**	**524.70**	**-.00047**	W **-.00536**	**28.295**	**-.00149**
Stddev	2.2	.00023	.00909	.00036	.48	.00062	.00182	.132	.00100
%RSD	.06758	10.366	1.2509	199.96	.09208	130.78	33.996	.46675	66.980
#1	3327.0	.00206	.72050	-.00044	525.05	-.00004	-.00665	28.201	-.00078
#2	3330.2	.00239	.73336	.00007	524.36	-.00091	-.00407	28.388	-.00219
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	500.00						5.0000		
Low Limit	10.000						-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.294**	**.00336**	**.00092**	**.00046**	**.06205**	**.02467**	**.00189**	**.00557**
Stddev	.218	.00029	.00050	.00022	.01195	.00021	.00018	.00042
%RSD	1.3365	8.6461	54.272	47.814	19.265	.85413	9.5893	7.6168
#1	16.140	.00357	.00057	.00031	.07050	.02452	.00202	.00587
#2	16.448	.00315	.00127	.00062	.05360	.02482	.00176	.00527
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4051.1**	**69809.**	**5895.3**
Stddev	6.8	33.	5.4
%RSD	.16839	.04702	.09086
#1	4046.2	69786.	5899.1
#2	4055.9	69832.	5891.5

Sample Name: 280-61961-B-4-B Acquired: 11/18/2014 1:52:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.02378**	**.00320**	**4.8763**	**.06098**	**.00013**	**-.00825**	**275.74**	**.00049**
Stddev	.00027	.00030	.00159	.0048	.00022	.00006	.00148	3.36	.00010
%RSD	17.379	1.2647	49.663	.09775	.36259	48.575	17.984	1.2177	20.660
#1	.00138	.02357	.00432	4.8796	.06082	.00009	-.00720	273.37	.00056
#2	.00177	.02399	.00208	4.8729	.06113	.00018	-.00930	278.12	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00156**	**.00096**	**.05127**	**36.238**	**.25689**	**81.329**	**.00817**	**.00503**
Stddev	.00001	.00006	.00037	.00099	.104	.00119	.056	.00004	.00046
%RSD	1.6268	3.9837	38.493	1.9365	.28689	.46209	.06873	.44848	9.1738
#1	.00035	.00152	.00070	.05056	36.165	.25605	81.369	.00820	.00470
#2	.00036	.00161	.00122	.05197	36.312	.25773	81.290	.00815	.00536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1242.8**	**.00093**	**.39278**	**.00091**	**287.39**	**-.00002**	**.00375**	**25.016**	**.00692**
Stddev	2.4	.00017	.00252	.00083	.56	.00166	.00857	.063	.00146
%RSD	.19424	18.225	.64101	90.999	.19467	10054.	228.37	.25211	21.144
#1	1241.1	.00105	.39456	.00033	287.78	-.00119	-.00231	24.971	.00589
#2	1244.5	.00081	.39100	.00150	286.99	.00116	.00982	25.061	.00796
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.223**	**.00519**	**.00058**	**.00175**	**.02441**	**.03405**	**.00323**	**.00081**
Stddev	.043	.00063	.00033	.00178	.02768	.00060	.00037	.00099
%RSD	.41754	12.156	57.199	101.50	113.39	1.7758	11.461	121.71
#1	10.253	.00475	.00035	.00049	.04399	.03448	.00350	.00011
#2	10.193	.00564	.00082	.00301	.00484	.03363	.00297	.00151
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4443.9**	**76319.**	**6180.4**
Stddev	1.4	31.	12.6
%RSD	.03248	.04120	.20426
#1	4442.9	76297.	6189.3
#2	4444.9	76341.	6171.4

Sample Name: 280-61961-B-5-B Acquired: 11/18/2014 1:56:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**-.00044**	**.00506**	**4.4059**	**.02753**	**.00006**	**-.00832**	**253.75**	**.00025**
Stddev	.00027	.00022	.00007	.0040	.00003	.00001	.00074	.92	.00007
%RSD	16.629	50.391	1.4820	.09076	.11388	8.8234	8.9491	.36102	28.253
#1	.00146	-.00060	.00500	4.4031	.02755	.00006	-.00780	253.10	.00030
#2	.00185	-.00029	.00511	4.4088	.02750	.00007	-.00885	254.40	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00057**	**.00086**	**.24524**	**29.981**	**.22876**	**74.858**	**.00153**	**.00499**
Stddev	.00017	.00005	.00002	.00316	.132	.00016	.137	.00002	.00048
%RSD	188.52	8.0159	2.6816	1.2874	.44085	.07042	.18274	1.3736	9.6562
#1	-.00003	.00054	.00084	.24747	29.887	.22887	74.761	.00152	.00464
#2	.00021	.00060	.00088	.24301	30.074	.22864	74.955	.00155	.00533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1106.5**	**.00031**	**.33024**	**.00063**	**273.92**	**-.00090**	**.00822**	**28.398**	**-.00121**
Stddev	.6	.00056	.00437	.00204	.08	.00217	.00279	.038	.00060
%RSD	.05166	181.66	1.3233	323.12	.02930	241.40	33.979	.13500	49.303
#1	1106.1	-.00009	.32715	.00207	273.87	.00064	.00625	28.371	-.00163
#2	1106.9	.00070	.33333	-.00081	273.98	-.00244	.01020	28.425	-.00079
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.2813**	**.00467**	**.00078**	**.00065**	**.06371**	**.04072**	**.03616**	**-.00080**
Stddev	.0272	.00114	.00039	.00053	.00856	.00027	.00002	.00071
%RSD	.32858	24.492	49.882	82.373	13.438	.67057	.04413	88.522
#1	8.2620	.00548	.00050	.00027	.06977	.04091	.03615	-.00131
#2	8.3005	.00386	.00105	.00102	.05766	.04053	.03617	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4479.9**	**77277.**	**6132.8**
Stddev	4.5	30.	28.5
%RSD	.09985	.03875	.46464
#1	4483.1	77255.	6153.0
#2	4476.7	77298.	6112.7

Sample Name: 280-61961-B-6-B Acquired: 11/18/2014 1:59:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**-.01374**	**.00185**	**9.3746**	**.02804**	**.00009**	W **-.01109**	**435.82**	**.00052**
Stddev	.00025	.00011	.00090	.0060	.00023	.00002	.00112	1.82	.00009
%RSD	21.123	.82300	48.576	.06458	.83703	17.930	10.123	.41823	16.730
#1	.00102	-.01366	.00122	9.3789	.02788	.00010	-.01030	437.10	.00046
#2	.00138	-.01382	.00249	9.3704	.02821	.00008	-.01189	434.53	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							3.0000		
Low Limit							-.01000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00109**	**.00058**	**.00818**	**20.205**	**.59674**	**134.43**	**.00295**	**.00308**
Stddev	.00051	.00016	.00008	.00096	.188	.00094	.30	.00011	.00038
%RSD	261.71	14.858	13.327	11.709	.92926	.15821	.22501	3.5679	12.448
#1	.00055	.00098	.00063	.00886	20.072	.59607	134.64	.00288	.00335
#2	-.00017	.00121	.00052	.00750	20.337	.59741	134.22	.00303	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2360.7**	**.00090**	**.37136**	**-.00191**	**555.36**	**-.00039**	**.01578**	**28.716**	**-.00068**
Stddev	1.8	.00023	.00277	.00022	.02	.00017	.00512	.106	.00085
%RSD	.07495	25.997	.74622	11.370	.00310	42.233	32.436	.36785	124.25
#1	2359.5	.00106	.37332	-.00206	555.37	-.00051	.01940	28.642	-.00128
#2	2362.0	.00073	.36941	-.00175	555.35	-.00027	.01216	28.791	-.00008
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.138**	**.00673**	**.00065**	**.00073**	**.07950**	**.05479**	**.00178**	**-.00030**
Stddev	.192	.00086	.00022	.00032	.02790	.00082	.00015	.00047
%RSD	1.4641	12.842	33.554	43.886	35.098	1.4899	8.2265	158.45
#1	13.002	.00612	.00081	.00050	.09923	.05537	.00167	.00004
#2	13.274	.00734	.00050	.00095	.05977	.05422	.00188	-.00063
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4240.0**	**72889.**	**6012.1**
Stddev	.9	334.	19.0
%RSD	.02159	.45755	.31597
#1	4239.4	72653.	6025.5
#2	4240.7	73125.	5998.6

Sample Name: 280-61961-B-7-B Acquired: 11/18/2014 2:02:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.09214**	**.00648**	**5.0280**	**.02848**	**.00007**	**-.00609**	**181.77**	**.00014**
Stddev	.00005	.00149	.00418	.0031	.00008	.00001	.00244	.38	.00002
%RSD	3.2265	1.6134	64.534	.06096	.28665	20.361	39.989	.20989	12.735
#1	.00144	.09319	.00944	5.0302	.02854	.00006	-.00437	181.50	.00013
#2	.00150	.09109	.00352	5.0259	.02842	.00008	-.00782	182.04	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00147**	**.00095**	**.10407**	**3.7616**	**.26731**	**53.707**	**.01035**	**.00911**
Stddev	.00008	.00016	.00002	.00003	.0440	.00012	.046	.00007	.00012
%RSD	59.318	10.829	2.5981	.02814	1.1699	.04629	.08586	.66233	1.2851
#1	-.00008	.00136	.00094	.10409	3.7304	.26722	53.674	.01030	.00903
#2	-.00019	.00159	.00097	.10405	3.7927	.26740	53.739	.01040	.00919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1141.7**	**.00056**	**.36862**	**.00087**	**322.53**	**-.00317**	**.00565**	**27.927**	**-.00007**
Stddev	3.4	.00008	.00778	.00023	.13	.00038	.00575	.074	.00097
%RSD	.29527	14.421	2.1097	25.902	.04075	12.065	101.76	.26605	1395.2
#1	1139.3	.00062	.36312	.00071	322.63	-.00290	.00972	27.874	.00062
#2	1144.1	.00050	.37412	.00103	322.44	-.00344	.00159	27.979	-.00076
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2961**	**.00922**	**.00166**	**.00064**	**.03711**	**.10476**	**.00451**	**-.00250**
Stddev	.0401	.00231	.00017	.00151	.02056	.00069	.00058	.00127
%RSD	.63614	25.098	10.081	236.54	55.410	.65653	12.764	51.028
#1	6.2678	.01086	.00178	-.00043	.02257	.10427	.00411	-.00340
#2	6.3245	.00759	.00155	.00171	.05165	.10524	.00492	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4507.4**	**77579.**	**6178.8**
Stddev	3.0	4.	13.2
%RSD	.06627	.00461	.21283
#1	4505.3	77576.	6188.1
#2	4509.5	77581.	6169.6

Sample Name: 280-61961-B-8-B Acquired: 11/18/2014 2:05:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00184**	**-.00164**	**.00208**	**.03190**	**.00088**	**.00001**	**-.00512**	**.07614**	**-.00000**
Stddev	.00012	.00029	.00125	.00145	.00015	.00000	.00439	.00614	.00010
%RSD	6.2728	17.673	59.816	4.5567	16.687	30.241	85.723	8.0657	14166.
#1	.00192	-.00144	.00120	.03293	.00078	.00002	-.00823	.08048	.00007
#2	.00176	-.00185	.00296	.03088	.00099	.00001	-.00202	.07180	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00002**	**-.00095**	**.00474**	**.47347**	**.00076**	**.01832**	**.00026**	**.00055**
Stddev	.00021	.00005	.00019	.00007	.07714	.00160	.00219	.00001	.00036
%RSD	190.75	275.14	19.620	1.4435	16.292	210.89	11.960	2.6324	64.893
#1	.00004	-.00006	-.00108	.00470	.41892	-.00037	.01987	.00026	.00081
#2	-.00026	.00002	-.00082	.00479	.52801	.00189	.01677	.00027	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8036**	**-.00055**	**.01294**	**-.00049**	**.07817**	**.00157**	**-.00236**	**.00623**	**.00079**
Stddev	.0682	.00041	.00105	.00041	.01132	.00067	.00084	.01455	.00026
%RSD	3.7835	73.314	8.0921	83.537	14.482	42.857	35.463	233.47	33.086
#1	1.8518	-.00084	.01220	-.00078	.08617	.00109	-.00177	.01652	.00060
#2	1.7553	-.00027	.01368	-.00020	.07016	.00204	-.00296	-.00406	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00197**	**.00423**	**.00026**	**-.00069**	**-.00624**	**-.00003**	**.00206**	**-.00119**
Stddev	.00036	.00119	.00032	.00146	.03871	.00005	.00002	.00048
%RSD	18.486	28.031	121.65	212.88	620.50	161.01	1.0741	40.053
#1	.00222	.00507	.00049	.00035	-.03361	-.00006	.00204	-.00153
#2	.00171	.00339	.00004	-.00172	.02113	.00000	.00207	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5092.3**	**89622.**	**6389.8**
Stddev	10.2	119.	27.0
%RSD	.19995	.13225	.42282
#1	5085.1	89706.	6408.9
#2	5099.5	89538.	6370.7

Sample Name: ccvh-2982968 Acquired: 11/18/2014 2:08:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00582**	**54.998**	**-.00275**	**.02507**	**.00117**	**-.00000**	F **1.1658**	**-.02246**	**-.00041**	**.00184**	**.00053**	**-.00595**
Stddev	.00074	.290	.00028	.00124	.00012	.00012	.0008	.00073	.00011	.00003	.00001	.00012
%RSD	12.733	.52696	10.133	4.9455	10.676	6590.5	.07066	3.2624	27.206	1.6408	1.4726	2.0128
#1	.00529	54.793	-.00255	.02595	.00108	.00008	1.1664	-.02194	-.00033	.00186	.00054	-.00587
#2	.00634	55.203	-.00295	.02419	.00125	-.00008	1.1652	-.02298	-.00049	.00181	.00053	-.00604
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.599**	**.41704**	**.00310**	**.11803**	**-.00308**	**-.00204**	F **275.56**	**.00099**	**.00855**	**.00399**	F **5.5400**	**-.00272**
Stddev	.159	.05733	.00218	.00317	.00001	.00009	1.86	.00006	.00150	.00080	.0086	.00115
%RSD	.30301	13.748	70.330	2.6821	.27427	4.4578	.67381	6.0093	17.542	19.962	.15470	42.434
#1	52.487	.37650	.00463	.12027	-.00309	-.00211	274.25	.00103	.00961	.00343	5.5339	-.00353
#2	52.712	.45758	.00156	.11580	-.00308	-.00198	276.87	.00094	.00749	.00456	5.5460	-.00190
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Fail	None
Value							250.00				5.0000	
Range							10.000%				10.000%	

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00731**	**.00131**	**.00082**	**4.7190**	**-.01836**	**.00041**	**9.9206**	**.00297**	**.00011**	**-.04404**
Stddev	.00020	.00483	.00050	.00009	.0211	.00039	.00065	.0078	.00020	.00084	.00234
%RSD	10.769	66.083	38.120	10.375	.44638	2.1098	157.25	.07854	6.6454	763.07	5.3235
#1	.00201	.01073	.00096	.00088	4.7041	-.01809	-.00005	9.9151	.00283	-.00048	-.04569
#2	.00172	.00389	.00166	.00076	4.7339	-.01864	.00087	9.9261	.00311	.00070	-.04238
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4908.6**	**84834.**	**6424.9**
Stddev	.1	105.	13.7
%RSD	.00224	.12433	.21294
#1	4908.6	84908.	6434.6
#2	4908.5	84759.	6415.2

Sample Name: ccv-2984587 Acquired: 11/18/2014 2:10:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52705**	**.53141**	**.96973**	**.53704**	**.49839**	**.49157**	**.00775**	**5.0268**	**.49159**	**.48919**	**.47450**	**.47875**
Stddev	.00007	.00150	.00056	.00024	.00048	.00008	.00122	.0015	.00019	.00003	.00038	.00036
%RSD	.01327	.28270	.05731	.04528	.09673	.01559	15.798	.03052	.03851	.00568	.08026	.07525
#1	.52710	.53248	.96934	.53687	.49805	.49152	.00688	5.0279	.49146	.48921	.47477	.47900
#2	.52700	.53035	.97012	.53722	.49873	.49162	.00862	5.0258	.49173	.48917	.47423	.47849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5623**	**48.956**	**1.0007**	**18.935**	**.49308**	**.53585**	F **6.0014**	**.48127**	**.96462**	**1.0132**	**.02108**	**1.0613**
Stddev	.0029	.088	.0030	.003	.00037	.00043	.0028	.00071	.00622	.0014	.00220	.0025
%RSD	.11168	.17928	.30303	.01766	.07510	.07994	.04681	.14848	.64468	.13639	10.412	.23250
#1	2.5602	48.894	1.0029	18.937	.49282	.53555	6.0033	.48178	.96902	1.0142	.02264	1.0595
#2	2.5643	49.018	.99857	18.932	.49334	.53616	5.9994	.48077	.96023	1.0122	.01953	1.0630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0998**	**4.8975**	**1.0556**	**.47269**	**.03041**	**.49551**	**1.0525**	**-.00839**	**.49510**	**.46858**	**.47996**
Stddev	.0013	.0160	.0053	.00007	.00015	.00072	.0040	.00587	.00155	.00299	.00016
%RSD	.11806	.32761	.50122	.01468	.49954	.14629	.37696	69.961	.31311	.63874	.03271
#1	1.1007	4.8862	1.0519	.47274	.03030	.49500	1.0497	-.01254	.49400	.46647	.48007
#2	1.0989	4.9089	1.0594	.47264	.03051	.49602	1.0553	-.00424	.49619	.47070	.47985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5029.4**	**87558.**	**6438.6**
Stddev	4.8	86.	11.5
%RSD	.09466	.09877	.17826
#1	5026.1	87620.	6430.5
#2	5032.8	87497.	6446.7

Sample Name: CCB Acquired: 11/18/2014 2:13:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00218**	**-.00299**	**.00208**	F **.01661**	**.00042**	**.00017**	**-.00255**	**-.00564**	**.00014**	**-.00005**	**-.00006**	**-.00128**
Stddev	.00056	.00051	.00038	.00080	.00007	.00004	.00109	.00067	.00012	.00011	.00015	.00009
%RSD	25.490	17.086	18.483	4.8422	17.426	22.708	42.822	11.927	85.920	211.89	262.69	7.3468
#1	.00179	-.00263	.00236	.01718	.00036	.00020	-.00332	-.00517	.00006	-.00013	.00005	-.00135
#2	.00257	-.00336	.00181	.01604	.00047	.00014	-.00178	-.00612	.00023	.00003	-.00016	-.00122
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00180			.00312								
Low Limit	-.00180			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	F **.25337**	**-.00024**	**.00760**	**.00007**	**.00055**	F **.67172**	**-.00050**	**.00694**	**.00051**	**.02276**	**.00220**
Stddev	.00136	.00815	.00056	.00190	.00003	.00013	.01320	.00001	.00033	.00021	.00559	.00070
%RSD	45.297	3.2161	231.65	24.947	50.117	23.861	1.9646	1.2544	4.7762	41.130	24.577	31.667
#1	.00395	.25913	.00015	.00895	.00009	.00046	.68105	-.00050	.00718	.00066	.02672	.00171
#2	.00203	.24761	-.00064	.00626	.00004	.00064	.66239	-.00049	.00671	.00036	.01881	.00270
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000					.20152					
Low Limit		-.25000					-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**.01386**	**.00019**	**.00017**	**.00619**	W **.00079**	**.00018**	**.00022**	**-.00012**	**-.00109**	**-.00084**
Stddev	.00386	.00396	.00130	.00007	.00242	.00000	.00051	.00303	.00032	.00042	.00078
%RSD	159.41	28.530	675.17	40.965	39.135	.26316	278.09	1369.8	267.10	38.491	93.199
#1	.00516	.01666	-.00073	.00012	.00448	.00079	.00055	.00236	-.00034	-.00139	-.00029
#2	-.00031	.01107	.00111	.00022	.00790	.00079	-.00018	-.00192	.00011	-.00079	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5086.0**	**89360.**	**6401.9**
Stddev	6.2	5.	9.5
%RSD	.12191	.00514	.14877
#1	5090.3	89363.	6395.2
#2	5081.6	89357.	6408.6

Sample Name: CCVL2994499 Acquired: 11/18/2014 2:16:10 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01334**	**.11325**	**.01230**	W **.12308**	**.01144**	**.00114**	W **.12620**	**.21758**	**.00550**	**.01073**	**.01020**	**.01485**
Stddev	.00034	.00003	.00254	.00028	.00011	.00007	.00101	.00226	.00008	.00000	.00001	.00020
%RSD	2.5320	.02406	20.642	.23135	.94919	6.4262	.80409	1.0370	1.5150	.03831	.14211	1.3476
#1	.01358	.11323	.01410	.12329	.01152	.00109	.12548	.21917	.00544	.01073	.01019	.01471
#2	.01310	.11327	.01051	.12288	.01136	.00119	.12691	.21598	.00556	.01073	.01021	.01500
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000			.10000			.10000					
Range	30.000%			20.000%			20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11551**	**3.4484**	W **.01263**	**.21828**	**.01094**	**.02262**	F **1.7480**	**.04197**	**2.9838**	W **.01091**	**.02267**	W **.01284**
Stddev	.00110	.0124	.00160	.00258	.00003	.00007	.0012	.00031	.0026	.00050	.00335	.00150
%RSD	.95259	.35981	12.675	1.1838	.27791	.33074	.06858	.74661	.08820	4.6125	14.774	11.679
#1	.11629	3.4396	.01150	.21645	.01096	.02257	1.7488	.04219	2.9820	.01127	.02503	.01178
#2	.11473	3.4572	.01376	.22011	.01092	.02268	1.7471	.04175	2.9857	.01055	.02030	.01390
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Warn
Value			.01000				1.0000			.00900		.01000
Range			20.000%				30.000%			20.000%		20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01723**	**.51223**	**.11360**	**.01025**	F **.01988**	**.01075**	W **.01803**	W **.07721**	**.01024**	**.02002**	**.01348**
Stddev	.00337	.01400	.00167	.00002	.00120	.00010	.00083	.00133	.00009	.00046	.00003
%RSD	19.545	2.7339	1.4690	.23802	6.0421	.90417	4.6298	1.7256	.85963	2.2904	.23142
#1	.01485	.52213	.11478	.01027	.01903	.01082	.01744	.07815	.01018	.01970	.01350
#2	.01961	.50233	.11242	.01023	.02073	.01068	.01862	.07627	.01031	.02035	.01346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value					.01500		.01500	.06000			
Range					30.000%		20.000%	20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5129.1**	**89773.**	**6479.6**
Stddev	1.9	113.	2.2
%RSD	.03701	.12591	.03374
#1	5127.8	89693.	6481.1
#2	5130.4	89853.	6478.0

Sample Name: 280-61961-B-10-B Acquired: 11/18/2014 2:18:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00164**	**-.01614**	k **.00109**	**.00720**	k **-.00023**	k **.00001**	k **.00359**	k **.07725**	k **-.00003**
Stddev	.00021	.00057	.00170	.00194	.00004	.00007	.00070	.12950	.00003
%RSD	12.612	3.5425	154.87	26.896	17.276	837.09	19.410	167.64	108.60
#1	k .00179	-.01573	k -.00010	.00857	k -.00026	k .00006	k .00310	k -.01432	k -.00001
#2	.00150	-.01654	.00229	.00583	-.00020	-.00004	.00409	.16882	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00015**	k **.00039**	k **-.00298**	k **-.00033**	**.24855**	k **.00147**	^ *****	**.02824**	**-.00007**
Stddev	.00001	.00011	.00144	.00207	.00337	.00065	-----	.03615	.00015
%RSD	5.1375	27.094	48.448	620.07	1.3551	44.392	-----	128.01	209.33
#1	k -.00016	k .00047	k -.00196	k -.00180	.24617	k .00101	^ -----	.05380	-.00017
#2	-.00014	.00032	-.00399	.00113	.25093	.00193	.74530	.00268	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66282**	**.00029**	**.00301**	k **-.00012**	**.03426**	k **.00012**	k **-.00416**	k **-.00483**	k **-.00014**
Stddev	.57953	.00007	.00263	.00045	.02176	.00039	.00164	.01631	.00060
%RSD	87.435	25.393	87.418	376.73	63.512	328.81	39.464	337.98	418.48
#1	.25302	.00024	.00487	k -.00043	.04964	k .00040	k -.00300	k -.01636	k .00028
#2	1.0726	.00034	.00115	.00020	.01887	-.00016	-.00533	.00671	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00187**	k **.00601**	k **.00467**	k **.00355**	k **.02146**	k **.01002**	k **-.00006**	k **.00150**
Stddev	.00257	.00028	.00133	.00095	.01891	.01342	.00121	.00053
%RSD	137.90	4.6438	28.439	26.675	88.113	133.95	2105.4	35.307
#1	.00005	k .00621	k .00560	k .00422	k .00809	k .01951	k .00080	k .00187
#2	.00368	.00581	.00373	.00288	.03483	.00053	-.00091	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9293.6**	**140490.**	**13584.**
Stddev	224.3	3894.	742.
%RSD	2.4140	2.7716	5.4625
#1	9135.0	137740.	13059.
#2	9452.3	143240.	14109.

Sample Name: 280-61961-B-11-B Acquired: 11/18/2014 2:21:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**2.1010**	**.01261**	**5.1973**	**.05797**	**.00013**	W **-.01389**	**235.42**	**.00024**
Stddev	.00002	.0015	.00020	.0007	.00014	.00005	.00348	.74	.00039
%RSD	1.0770	.07142	1.5924	.01325	.23342	39.753	25.075	.31465	165.80
#1	.00148	2.1021	.01275	5.1978	.05788	.00016	-.01635	235.94	.00052
#2	.00150	2.1000	.01247	5.1968	.05807	.00009	-.01143	234.90	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							3.0000		
Low Limit							-.01000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.00251**	**.00419**	**1.7160**	**9.1385**	**.24402**	**65.962**	**.23148**	**.00740**
Stddev	.00001	.00023	.00011	.0034	.0241	.00179	.112	.00044	.00040
%RSD	.47232	9.3277	2.6838	.19819	.26356	.73178	.16997	.19142	5.4118
#1	.00178	.00234	.00411	1.7184	9.1214	.24276	65.882	.23117	.00768
#2	.00177	.00268	.00427	1.7136	9.1555	.24528	66.041	.23179	.00711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1184.5**	**.00336**	**.56949**	**-.00068**	**250.34**	**-.00069**	**.00356**	W **51.676**	**-.00062**
Stddev	4.1	.00056	.00446	.00031	.69	.00188	.00140	.240	.00045
%RSD	.34956	16.705	.78305	45.086	.27437	274.11	39.438	.46531	73.316
#1	1187.4	.00376	.56634	-.00089	250.83	-.00202	.00257	51.846	-.00094
#2	1181.6	.00297	.57264	-.00046	249.86	.00064	.00455	51.506	-.00030
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	500.00							50.000	
Low Limit	10.000							-.10000	

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7777**	**.00765**	**.02135**	**.00057**	**.02069**	**.08898**	**.00683**	**-.00039**
Stddev	.0144	.00035	.00015	.00002	.00981	.00055	.00036	.00065
%RSD	.30238	4.5915	.71006	3.3992	47.423	.61451	5.3364	166.17
#1	4.7879	.00790	.02124	.00059	.02763	.08936	.00657	-.00085
#2	4.7675	.00741	.02146	.00056	.01375	.08859	.00709	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4518.4**	**77901.**	**6194.5**
Stddev	6.2	230.	12.0
%RSD	.13817	.29461	.19387
#1	4522.8	78063.	6186.0
#2	4514.0	77738.	6203.0

Sample Name: 280-61969-C-1-B Acquired: 11/18/2014 2:24:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00054**	**-.00062**	**.03026**	**.00472**	**.00002**	**-.00907**	**29.573**	**.00015**
Stddev	.00076	.00068	.00157	.00148	.00003	.00002	.00158	.005	.00003
%RSD	48.005	125.38	254.52	4.9020	.70143	112.24	17.397	.01785	16.487
#1	.00105	.00102	.00049	.03131	.00474	.00000	-.00796	29.577	.00017
#2	.00213	.00006	-.00173	.02921	.00470	.00003	-.01019	29.569	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00017**	**.00168**	**.01315**	**2.6289**	**.00117**	**9.7866**	**.00248**	**-.00015**
Stddev	.00019	.00015	.00029	.00083	.0404	.00139	.0158	.00001	.00007
%RSD	74.961	88.796	17.183	6.2835	1.5369	118.61	.16186	.39354	48.549
#1	-.00039	.00006	.00189	.01256	2.6575	.00019	9.7978	.00249	-.00010
#2	-.00012	.00028	.00148	.01373	2.6003	.00215	9.7754	.00247	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	589.592 { 57}	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.219**	**10.334**	**.00030**	**.04246**	**-.00116**	**4.0349**	**-.00031**	**.00110**	**14.469**
Stddev	.024	.487	.00013	.00107	.00018	.0100	.00128	.00188	.010
%RSD	.23676	4.7167	43.362	2.5154	15.603	.24778	414.10	171.16	.06624
#1	10.236	10.679	.00039	.04321	-.00103	4.0420	.00059	.00243	14.462
#2	10.202	9.9895	.00021	.04170	-.00129	4.0279	-.00121	-.00023	14.476
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000								
Low Limit	-1.0000								

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.12999**	**.00632**	**.00024**	**-.00013**	**.00432**	**.00233**	**.16632**	**-.00136**
Stddev	.00006	.00001	.00024	.00027	.00039	.01063	.00046	.00023	.00014
%RSD	22.753	.00695	3.8537	109.59	297.23	245.96	19.867	.13809	10.513
#1	-.00030	.12998	.00615	.00043	-.00040	.01184	.00265	.16615	-.00126
#2	-.00021	.13000	.00649	.00005	.00014	-.00319	.00200	.16648	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5063.7**	**88321.**	**6481.8**
Stddev	4.0	221.	2.7
%RSD	.07915	.25024	.04173
#1	5066.5	88165.	6483.7
#2	5060.8	88478.	6479.8

Sample Name: 280-61969-C-1-B SD@5 Acquired: 11/18/2014 2:27:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**-.00375**	**-.00321**	**.01668**	**.00150**	**.00001**	**-.00244**	**6.0028**	**.00017**
Stddev	.00044	.00007	.00193	.00013	.00009	.00003	.00002	.0007	.00015
%RSD	27.644	1.7623	60.235	.75364	5.7745	218.04	.72388	.01208	83.798
#1	.00128	-.00380	-.00184	.01659	.00156	.00003	-.00243	6.0023	.00007
#2	.00190	-.00371	-.00458	.01677	.00144	-.00001	-.00245	6.0033	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00000**	**-.00040**	**.01528**	**.76260**	**.00188**	**2.0138**	**.00052**	**.00011**
Stddev	.00012	.00005	.00017	.00061	.01452	.00131	.0017	.00006	.00047
%RSD	42.753	1205.5	43.642	3.9720	1.9037	69.609	.08259	11.417	408.96
#1	-.00020	.00003	-.00052	.01485	.75234	.00281	2.0150	.00048	.00045
#2	-.00037	-.00004	-.00028	.01571	.77287	.00096	2.0126	.00056	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6050**	**-.00029**	**.01209**	**.00044**	**.82107**	**-.00054**	**.00011**	**2.9094**	**-.00035**
Stddev	.0119	.00034	.00158	.00024	.00980	.00052	.00018	.0057	.00017
%RSD	.45554	114.35	13.073	53.512	1.1931	97.425	163.77	.19516	49.030
#1	2.5966	-.00053	.01321	.00061	.81415	-.00017	.00023	2.9054	-.00047
#2	2.6134	-.00006	.01097	.00028	.82800	-.00090	-.00002	2.9134	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02635**	**.00423**	**.00015**	**-.00040**	**-.01310**	**.00008**	**.03365**	**-.00095**
Stddev	.00002	.00132	.00029	.00150	.00226	.00008	.00124	.00132
%RSD	.06236	31.265	190.14	370.40	17.273	111.14	3.6899	139.80
#1	.02633	.00329	.00035	.00065	-.01150	.00002	.03277	-.00001
#2	.02636	.00516	-.00005	-.00146	-.01470	.00014	.03453	-.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5106.6**	**89163.**	**6439.6**
Stddev	10.3	11.	13.3
%RSD	.20220	.01289	.20610
#1	5113.9	89171.	6448.9
#2	5099.3	89155.	6430.2

Sample Name: 280-61969-C-1-C MS Acquired: 11/18/2014 2:29:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06024**	**2.1249**	**1.0159**	**1.1364**	**2.1230**	**.05241**	**2.4073**	**83.192**	**.09696**
Stddev	.00034	.0056	.0008	.0005	.0044	.00013	.0015	.353	.00000
%RSD	.56413	.26150	.08072	.04138	.20765	.24363	.06188	.42476	.00165
#1	.06000	2.1210	1.0165	1.1361	2.1199	.05232	2.4083	82.942	.09696
#2	.06048	2.1288	1.0153	1.1368	2.1262	.05250	2.4062	83.442	.09696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50711**	**.20221**	**.25478**	**1.0801**	**54.943**	**1.0621**	**59.507**	**.52111**	**1.1598**
Stddev	.00002	.00029	.00099	.0072	.206	.0048	.014	.00040	.0003
%RSD	.00346	.14206	.38964	.66154	.37406	.45614	.02426	.07692	.02526
#1	.50712	.20241	.25408	1.0751	54.798	1.0587	59.497	.52139	1.1600
#2	.50709	.20200	.25549	1.0852	55.089	1.0656	59.517	.52083	1.1596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**66.259**	**.49598**	**10.515**	**.52739**	**6.4662**	**.57559**	**2.3143**	**25.238**	**2.2406**
Stddev	.371	.00010	.003	.00316	.0203	.00157	.0064	.120	.0020
%RSD	.55937	.01977	.02398	.59896	.31314	.27272	.27684	.47724	.08745
#1	65.997	.49605	10.517	.52962	6.4805	.57448	2.3189	25.152	2.2420
#2	66.521	.49591	10.514	.52515	6.4518	.57670	2.3098	25.323	2.2392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1324**	**.96618**	**1.0613**	**2.1220**	**2.0227**	**.53475**	**.65995**	**.50819**
Stddev	.0035	.00333	.0006	.0023	.0514	.00034	.00130	.00212
%RSD	.31275	.34501	.05934	.10729	2.5410	.06387	.19651	.41753
#1	1.1299	.96382	1.0617	2.1204	1.9863	.53499	.66087	.50669
#2	1.1349	.96853	1.0608	2.1237	2.0590	.53451	.65903	.50969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4840.7**	**84501.**	**6400.0**
Stddev	3.4	181.	47.8
%RSD	.06960	.21469	.74760
#1	4843.1	84373.	6433.9
#2	4838.4	84630.	6366.2

Sample Name: 280-61969-C-1-D MSD Acquired: 11/18/2014 2:32:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06096**	**2.1329**	**1.0234**	**1.1340**	**2.1323**	**.05280**	**2.4098**	**83.360**	**.09707**
Stddev	.00102	.0004	.0017	.0035	.0005	.00011	.0066	.053	.00001
%RSD	1.6686	.01753	.16809	.30984	.02497	.20298	.27183	.06330	.01257
#1	.06168	2.1326	1.0222	1.1315	2.1319	.05273	2.4052	83.398	.09706
#2	.06024	2.1332	1.0247	1.1364	2.1327	.05288	2.4144	83.323	.09708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50766**	**.20265**	**.25753**	**1.0889**	**55.394**	**1.0708**	**59.839**	**.52453**	**1.1549**
Stddev	.00098	.00017	.00236	.0026	.084	.0002	.663	.00489	.0026
%RSD	.19331	.08550	.91504	.23586	.15108	.02267	1.1081	.93255	.22758
#1	.50697	.20277	.25919	1.0871	55.334	1.0710	60.308	.52799	1.1531
#2	.50836	.20253	.25586	1.0907	55.453	1.0706	59.370	.52107	1.1568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**66.698**	**.49613**	**10.554**	**.52786**	**6.4978**	**.57621**	**2.3192**	**25.170**	**2.2345**
Stddev	.072	.00008	.036	.00024	.0164	.00144	.0004	.024	.0050
%RSD	.10756	.01574	.33775	.04491	.25176	.25033	.01576	.09465	.22366
#1	66.749	.49607	10.528	.52803	6.4863	.57723	2.3195	25.187	2.2309
#2	66.647	.49619	10.579	.52769	6.5094	.57519	2.3189	25.153	2.2380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1392**	**.97672**	**1.0632**	**2.1290**	**2.0223**	**.53745**	**.66198**	**.50542**
Stddev	.0008	.01171	.0108	.0041	.0035	.00509	.00705	.00259
%RSD	.06839	1.1986	1.0192	.19200	.17239	.94722	1.0646	.51149
#1	1.1397	.98500	1.0709	2.1261	2.0198	.54105	.66696	.50725
#2	1.1386	.96844	1.0555	2.1319	2.0248	.53385	.65700	.50359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4879.4**	**84645.**	**6398.2**
Stddev	10.4	719.	19.9
%RSD	.21270	.84941	.31034
#1	4886.7	84136.	6412.2
#2	4872.0	85153.	6384.1

Sample Name: 280-61969-C-2-B Acquired: 11/18/2014 2:34:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**-.00382**	**-.00320**	**.02000**	**.00555**	**-.00001**	**-.00931**	**29.548**	**.00025**
Stddev	.00011	.00107	.00283	.00099	.00011	.00001	.00022	.032	.00006
%RSD	7.1226	27.967	88.384	4.9731	2.0300	67.500	2.3975	.10759	25.041
#1	.00142	-.00457	-.00120	.02070	.00563	-.00001	-.00915	29.526	.00020
#2	.00157	-.00306	-.00520	.01929	.00547	-.00002	-.00946	29.571	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00037**	**.01107**	**.14477**	**3.0584**	**-.00020**	**12.499**	**.00312**	**.00075**
Stddev	.00014	.00005	.00033	.00131	.0227	.00153	.024	.00001	.00035
%RSD	29.148	14.578	2.9417	.90205	.74268	751.16	.19397	.16283	46.696
#1	-.00056	.00034	.01130	.14385	3.0745	.00088	12.481	.00312	.00050
#2	-.00037	.00041	.01084	.14569	3.0424	-.00129	12.516	.00313	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	589.592 { 57}	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.4700**	W **9.9470**	**.00013**	**.03488**	**.00071**	**3.4760**	**.00113**	**-.00026**	**15.422**
Stddev	.0093	.0773	.00017	.00246	.00140	.0045	.00075	.00264	.020
%RSD	.09782	.77720	133.78	7.0383	196.17	.12917	66.488	1031.5	.13281
#1	9.4634	10.002	.00001	.03662	.00170	3.4728	.00060	.00161	15.407
#2	9.4765	9.8923	.00024	.03315	-.00028	3.4791	.00166	-.00212	15.436
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	500.00							
Low Limit	-.50000	10.000							

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.13999**	**.00396**	**.00046**	**.00025**	**.01540**	**.00229**	**.09009**	**-.00189**
Stddev	.00112	.00039	.00054	.00035	.00173	.01501	.00028	.00083	.00083
%RSD	331.22	.28171	13.664	76.203	694.78	97.455	12.438	.92577	43.579
#1	-.00113	.13972	.00434	.00071	.00147	.02602	.00209	.09068	-.00248
#2	.00045	.14027	.00358	.00021	-.00097	.00479	.00249	.08950	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5070.5**	**88292.**	**6519.9**
Stddev	6.6	107.	8.3
%RSD	.13081	.12143	.12782
#1	5065.8	88216.	6525.8
#2	5075.2	88368.	6514.0

Sample Name: 280-62000-D-1-B Acquired: 11/18/2014 2:37:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.00233**	**-.00013**	**.01661**	**.00860**	**.00004**	**-.00971**	**18.714**	**.00028**
Stddev	.00046	.00046	.00052	.00061	.00000	.00003	.00243	.112	.00013
%RSD	26.116	19.898	409.04	3.6589	.01810	76.170	25.030	.59643	46.846
#1	.00144	.00200	-.00050	.01704	.00860	.00006	-.00799	18.635	.00038
#2	.00209	.00265	.00024	.01618	.00861	.00002	-.01142	18.792	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00016**	**.00032**	**.69442**	**2.4186**	**-.00056**	**8.1821**	**.37952**	**.00062**
Stddev	.00036	.00009	.00036	.00499	.0128	.00051	.0161	.00053	.00003
%RSD	62.891	57.686	111.86	.71796	.53008	91.053	.19708	.13928	4.6945
#1	-.00082	.00010	.00058	.69090	2.4095	-.00092	8.1707	.37915	.00060
#2	-.00032	.00023	.00007	.69795	2.4276	-.00020	8.1935	.37990	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.9939**	**.00005**	**.04346**	**.00051**	**3.4174**	**.00127**	**-.00033**	**15.231**	**-.00024**
Stddev	.0362	.00000	.00175	.00083	.0020	.00038	.00140	.089	.00009
%RSD	.51732	7.2899	4.0329	163.80	.05930	29.978	430.18	.58131	34.919
#1	6.9683	.00006	.04222	.00109	3.4188	.00154	.00066	15.169	-.00030
#2	7.0194	.00005	.04470	-.00008	3.4160	.00100	-.00131	15.294	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08769**	**.00531**	**.00065**	**.00056**	**.00195**	**-.00002**	**.01157**	**-.00037**
Stddev	.00048	.00054	.00008	.00070	.01237	.00011	.00045	.00004
%RSD	.54422	10.159	11.541	125.03	634.27	598.29	3.9021	10.353
#1	.08735	.00569	.00070	.00006	-.00680	-.00009	.01125	-.00039
#2	.08803	.00493	.00060	.00105	.01069	.00006	.01189	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5087.2**	**88482.**	**6534.2**
Stddev	13.9	107.	76.5
%RSD	.27384	.12139	1.1703
#1	5077.4	88558.	6588.3
#2	5097.1	88406.	6480.2

Sample Name: 280-62000-D-2-B Acquired: 11/18/2014 2:40:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.00228**	**.00270**	**.01730**	**.00165**	**.00004**	W **-.01015**	**8.1720**	**-.00009**
Stddev	.00005	.00046	.00281	.00022	.00016	.00005	.00431	.0045	.00001
%RSD	3.5125	20.235	104.24	1.2988	9.8762	130.95	42.412	.05448	9.0648
#1	.00152	.00260	.00469	.01714	.00176	.00007	-.01320	8.1688	-.00010
#2	.00160	.00195	.00071	.01746	.00153	.00000	-.00711	8.1751	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							3.0000		
Low Limit							-.01000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00013**	**-.00025**	**.04091**	**2.2750**	**.00298**	**4.0251**	**.00509**	**.00070**
Stddev	.00002	.00004	.00012	.00177	.0206	.00374	.0029	.00001	.00017
%RSD	3.6167	30.769	47.444	4.3332	.90721	125.70	.07264	.16568	24.768
#1	-.00057	.00010	-.00033	.03965	2.2605	.00563	4.0230	.00509	.00083
#2	-.00060	.00016	-.00016	.04216	2.2896	.00033	4.0271	.00508	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.4442**	**-.00006**	**.08000**	**-.00119**	**1.1132**	**.00027**	**-.00050**	**20.635**	**-.00057**
Stddev	.0011	.00030	.00033	.00097	.0071	.00108	.00239	.030	.00017
%RSD	.01676	495.44	.41363	81.030	.63656	405.35	473.25	.14328	29.011
#1	6.4450	-.00027	.08023	-.00051	1.1182	.00103	-.00219	20.614	-.00069
#2	6.4435	.00015	.07976	-.00187	1.1082	-.00050	.00118	20.656	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04320**	**.00517**	**.00043**	**-.00147**	**-.01398**	**.00026**	**.00127**	**.00077**
Stddev	.00010	.00240	.00023	.00098	.00380	.00007	.00017	.00078
%RSD	.22145	46.471	53.946	66.299	27.161	28.955	13.477	101.18
#1	.04313	.00347	.00060	-.00216	-.01129	.00031	.00115	.00131
#2	.04326	.00687	.00027	-.00078	-.01666	.00021	.00139	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5138.6**	**89417.**	**6563.4**
Stddev	2.4	138.	43.0
%RSD	.04593	.15390	.65578
#1	5137.0	89514.	6593.8
#2	5140.3	89320.	6532.9

Sample Name: 280-62000-D-3-B Acquired: 11/18/2014 2:42:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251462 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**-.00281**	**-.00373**	**.13531**	**.00661**	**.00003**	W **-.01025**	**32.033**	**.00012**
Stddev	.00010	.00042	.00089	.00037	.00010	.00006	.00068	.011	.00001
%RSD	6.7075	15.047	23.800	.27527	1.4425	200.38	6.6006	.03367	8.6663
#1	.00160	-.00251	-.00310	.13504	.00654	-.00001	-.00977	32.041	.00012
#2	.00146	-.00310	-.00436	.13557	.00668	.00007	-.01072	32.026	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							3.0000		
Low Limit							-.01000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00045**	**.00105**	**.03880**	**3.6693**	**.00288**	**11.755**	**.01443**	**.00038**
Stddev	.00015	.00007	.00030	.00103	.0036	.00141	.012	.00004	.00040
%RSD	224.60	15.547	28.659	2.6604	.09694	49.156	.10298	.24756	104.34
#1	-.00018	.00040	.00083	.03953	3.6668	.00188	11.764	.01445	.00010
#2	.00004	.00050	.00126	.03807	3.6718	.00388	11.746	.01440	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.125**	**.00274**	**.04020**	**.00147**	**2.2797**	**.00093**	**-.00162**	**17.108**	**-.00035**
Stddev	.369	.00040	.00129	.00049	.0044	.00151	.00184	.034	.00010
%RSD	1.5955	14.638	3.2025	33.149	.19354	162.39	113.20	.19781	29.295
#1	23.386	.00245	.03929	.00113	2.2766	-.00014	-.00293	17.084	-.00028
#2	22.864	.00302	.04111	.00182	2.2828	.00200	-.00032	17.132	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17087**	**.00336**	**.00059**	**-.00002**	**.01663**	**.00317**	**.00373**	**-.00003**
Stddev	.00007	.00016	.00004	.00046	.01909	.00005	.00015	.00081
%RSD	.04246	4.6607	6.6803	2104.6	114.78	1.7222	4.1299	3219.1
#1	.17092	.00324	.00057	.00030	.00313	.00321	.00383	-.00060
#2	.17082	.00347	.00062	-.00035	.03013	.00313	.00362	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5101.4**	**88588.**	**6578.7**
Stddev	8.8	235.	7.5
%RSD	.17179	.26499	.11456
#1	5107.6	88754.	6573.4
#2	5095.2	88422.	6584.1

Sample Name: ccvh-2982968 Acquired: 11/18/2014 2:45:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00503**	**52.423**	**-.00175**	**.00869**	**.00109**	**-.00001**	F **1.1181**	**-.03256**	**-.00052**	**.00173**	**.00034**	**-.00587**
Stddev	.00049	.040	.00176	.00052	.00007	.00002	.0016	.00095	.00009	.00012	.00006	.00006
%RSD	9.7965	.07667	100.22	5.9944	6.2918	156.49	.14015	2.9259	17.741	6.7148	16.040	1.0553
#1	.00538	52.395	-.00051	.00906	.00104	.00000	1.1192	-.03188	-.00046	.00165	.00031	-.00582
#2	.00468	52.451	-.00299	.00832	.00114	-.00003	1.1170	-.03323	-.00059	.00181	.00038	-.00591
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.351**	**.20041**	**.00050**	**.11714**	**-.00303**	**-.00215**	**263.81**	**.00054**	**.00343**	**.00292**	**5.2884**	**-.00442**
Stddev	.074	.01518	.00125	.00114	.00004	.00010	.29	.00074	.00342	.00048	.0155	.00112
%RSD	.14652	7.5750	247.72	.97383	1.4100	4.7086	.11046	138.15	99.760	16.539	.29262	25.257
#1	50.299	.21115	-.00038	.11633	-.00306	-.00208	264.01	.00106	.00101	.00326	5.2994	-.00521
#2	50.404	.18968	.00139	.11795	-.00300	-.00222	263.60	.00001	.00585	.00258	5.2775	-.00363
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00115**	**.00171**	**.00026**	**4.5533**	**-.01767**	**-.00082**	**9.5690**	**.00284**	**-.00151**	**-.04096**
Stddev	.00152	.00569	.00185	.00002	.0038	.00007	.00266	.0117	.00072	.00036	.00137
%RSD	272.59	496.22	108.37	7.4738	.08283	.39514	323.48	.12205	25.266	23.887	3.3447
#1	-.00052	.00288	.00302	.00027	4.5559	-.01762	.00106	9.5772	.00335	-.00177	-.04193
#2	.00163	-.00517	.00040	.00024	4.5506	-.01772	-.00270	9.5607	.00233	-.00126	-.03999
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4975.0**	**85580.**	**6525.0**
Stddev	2.2	106.	18.7
%RSD	.04333	.12403	.28629
#1	4973.5	85655.	6511.8
#2	4976.5	85505.	6538.2

Sample Name: ccv-2984587 Acquired: 11/18/2014 2:48:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53037**	**.53007**	**.97458**	**.52575**	**.49843**	**.49331**	**.00746**	**5.0383**	**.49659**	**.49354**	**.47931**	**.48507**
Stddev	.00099	.00158	.00476	.00143	.00013	.00012	.00006	.0127	.00013	.00043	.00002	.00095
%RSD	.18597	.29764	.48814	.27245	.02703	.02369	.78198	.25110	.02521	.08780	.00375	.19577
#1	.53107	.53118	.97121	.52473	.49834	.49323	.00742	5.0294	.49668	.49384	.47929	.48574
#2	.52967	.52895	.97794	.52676	.49853	.49340	.00750	5.0473	.49650	.49323	.47932	.48439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5630**	**49.307**	**1.0012**	**19.113**	**.49590**	**.53570**	F **5.6731**	**.48656**	**.96278**	**1.0204**	**.00343**	**1.0603**
Stddev	.0098	.069	.0038	.039	.00010	.00088	.0158	.00093	.00323	.0001	.00139	.0001
%RSD	.38043	.14023	.37575	.20150	.02039	.16519	.27816	.19101	.33512	.00493	40.466	.00491
#1	2.5699	49.258	1.0038	19.141	.49597	.53508	5.6843	.48721	.96050	1.0204	.00441	1.0603
#2	2.5561	49.356	.99851	19.086	.49583	.53633	5.6619	.48590	.96506	1.0203	.00245	1.0603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0984**	**4.8781**	**1.0531**	**.47484**	**.03044**	**.49729**	**1.0596**	**.00047**	**.49624**	**.47457**	**.48272**
Stddev	.0063	.0157	.0007	.00002	.00080	.00031	.0012	.03570	.00151	.00050	.00156
%RSD	.57096	.32108	.06557	.00499	2.6413	.06295	.10852	7619.9	.30337	.10443	.32305
#1	1.1029	4.8670	1.0527	.47486	.03101	.49751	1.0588	-.02477	.49518	.47492	.48161
#2	1.0940	4.8892	1.0536	.47482	.02987	.49707	1.0604	.02571	.49731	.47422	.48382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5089.5**	**88082.**	**6539.8**
Stddev	2.5	39.	27.5
%RSD	.04912	.04439	.42059
#1	5087.7	88054.	6559.2
#2	5091.3	88109.	6520.3

Sample Name: CCB Acquired: 11/18/2014 2:50:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00164**	**-.00424**	**-.00051**	F **.00627**	W **.00072**	**.00013**	**-.00638**	**-.00948**	**.00009**	**-.00029**	**-.00029**	**-.00079**
Stddev	.00008	.00051	.00058	.00090	.00026	.00010	.00089	.00090	.00010	.00043	.00001	.00027
%RSD	4.6602	11.967	115.15	14.299	35.553	73.429	13.979	9.5231	106.46	147.92	2.1868	34.686
#1	.00159	-.00388	-.00009	.00691	.00090	.00006	-.00701	-.01012	.00016	.00001	-.00029	-.00098
#2	.00169	-.00460	-.00092	.00564	.00054	.00020	-.00575	-.00884	.00002	-.00060	-.00028	-.00059
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312	.00058							
Low Limit	-.00093			-.00312	-.00058							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00492**	**.18381**	**.00036**	**.00420**	**.00002**	**.00064**	F **.37332**	**-.00065**	**.00320**	**.00138**	**.00775**	**.00129**
Stddev	.00028	.04182	.00171	.00149	.00001	.00000	.00516	.00012	.00068	.00026	.00039	.00230
%RSD	5.6228	22.749	475.65	35.616	53.247	.52507	1.3832	18.296	21.119	18.938	5.0634	177.66
#1	.00511	.15424	.00157	.00314	.00003	.00064	.37697	-.00073	.00272	.00156	.00747	.00291
#2	.00472	.21338	-.00085	.00525	.00001	.00064	.36967	-.00056	.00368	.00119	.00803	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**-.00272**	**-.00063**	**.00002**	**.00595**	W **.00062**	**-.00091**	**-.01710**	**-.00008**	**-.00080**	**-.00119**
Stddev	.00251	.00648	.00104	.00007	.00067	.00019	.00056	.00689	.00019	.00003	.00047
%RSD	135.21	238.28	164.70	365.69	11.330	30.271	61.766	40.323	236.16	3.9366	39.536
#1	.00008	-.00730	-.00136	.00007	.00643	.00075	-.00131	-.02197	-.00021	-.00082	-.00152
#2	.00363	.00186	.00010	-.00003	.00547	.00048	-.00051	-.01222	.00005	-.00078	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5150.5**	**89838.**	**6505.5**
Stddev	.0	286.	18.4
%RSD	.00060	.31877	.28227
#1	5150.5	90041.	6518.5
#2	5150.5	89636.	6492.6

Sample Name: CCVL2994499 Acquired: 11/18/2014 2:53:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01292**	**.11020**	**.01265**	**.11137**	**.01100**	**.00106**	W **.12536**	**.20744**	**.00537**	**.01059**	**.00989**	**.01502**
Stddev	.00055	.00052	.00157	.00096	.00009	.00001	.00064	.00113	.00001	.00010	.00018	.00021
%RSD	4.2593	.47501	12.391	.86187	.81977	.84917	.51409	.54474	.25015	.98128	1.7873	1.3961
#1	.01331	.11057	.01376	.11069	.01093	.00107	.12582	.20824	.00536	.01052	.01002	.01488
#2	.01253	.10983	.01154	.11205	.01106	.00105	.12491	.20664	.00538	.01067	.00977	.01517
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000						.10000					
Range	20.000%						20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10492**	**3.3263**	W **.01259**	**.21200**	**.01069**	**.02181**	F **1.4801**	**.04115**	**2.9235**	W **.01162**	**.00634**	W **.01272**
Stddev	.00012	.0109	.00033	.00126	.00000	.00017	.0019	.00027	.0050	.00062	.00083	.00221
%RSD	.11585	.32682	2.6524	.59385	.02006	.75763	.13084	.66193	.16932	5.3584	13.040	17.375
#1	.10484	3.3340	.01283	.21289	.01069	.02192	1.4815	.04134	2.9270	.01206	.00692	.01116
#2	.10501	3.3186	.01235	.21111	.01069	.02169	1.4787	.04095	2.9200	.01118	.00575	.01428
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Warn
Value			.01000				1.0000			.00900		.01000
Range			20.000%				30.000%			20.000%		20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01523**	**.51459**	**.11267**	**.01001**	W **.01906**	**.01078**	**.01683**	W **.07517**	**.00999**	**.02016**	**.01371**
Stddev	.00102	.00559	.00018	.00007	.00022	.00012	.00087	.00660	.00021	.00015	.00232
%RSD	6.7129	1.0871	.15796	.69095	1.1671	1.1106	5.1431	8.7739	2.1081	.72494	16.900
#1	.01451	.51854	.11280	.00996	.01921	.01070	.01744	.07051	.01014	.02006	.01207
#2	.01595	.51063	.11254	.01006	.01890	.01087	.01622	.07984	.00984	.02026	.01534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5188.7**	**90391.**	**6555.5**
Stddev	7.6	161.	10.3
%RSD	.14737	.17804	.15671
#1	5183.3	90505.	6548.3
#2	5194.1	90277.	6562.8

Sample Name: MB 280-252084/1-A Acquired: 11/18/2014 2:55:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00312**	**-.00068**	**.00494**	**.00056**	**.00000**	**-.00191**	**-.00430**	**.00034**
Stddev	.00007	.00015	.00039	.00042	.00004	.00007	.00148	.00129	.00023
%RSD	4.5043	4.6745	57.382	8.5700	7.2648	3090.0	77.633	29.948	69.098
#1	.00150	-.00302	-.00041	.00524	.00053	.00006	-.00295	-.00521	.00017
#2	.00160	-.00322	-.00096	.00464	.00059	-.00005	-.00086	-.00339	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00017**	**-.00067**	**.00322**	**.15566**	**.00075**	**.00702**	**.00031**	**.00025**
Stddev	.00001	.00018	.00003	.00178	.03430	.00139	.00204	.00004	.00023
%RSD	5.5984	104.64	4.9901	55.245	22.037	184.33	29.084	13.941	90.046
#1	-.00013	-.00030	-.00064	.00196	.13141	-.00023	.00846	.00035	.00041
#2	-.00012	-.00004	-.00069	.00448	.17992	.00174	.00558	.00028	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34199**	**-.00051**	**.00248**	**.00031**	**.00597**	**-.00001**	**.00090**	**-.00177**	**.00004**
Stddev	.00590	.00012	.00437	.00083	.00003	.00169	.00190	.00005	.00013
%RSD	1.7254	23.704	175.89	268.58	.45667	12696.	211.64	3.0778	357.91
#1	.34616	-.00060	.00557	-.00028	.00595	-.00121	.00224	-.00173	-.00005
#2	.33782	-.00043	-.00060	.00089	.00599	.00118	-.00045	-.00181	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	W **.00551**	**.00031**	**-.00097**	**.04319**	**-.00023**	**-.00087**	**-.00114**
Stddev	.00008	.00172	.00034	.00022	.02780	.00010	.00057	.00017
%RSD	359.91	31.228	110.79	23.050	64.372	41.598	65.550	15.324
#1	.00008	.00673	.00055	-.00113	.02353	-.00030	-.00127	-.00127
#2	-.00004	.00429	.00007	-.00081	.06284	-.00017	-.00047	-.00102
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00500						
Low Limit		-.00500						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5214.5**	**91019.**	**6599.9**
Stddev	6.3	26.	13.1
%RSD	.12005	.02804	.19879
#1	5219.0	91037.	6609.2
#2	5210.1	91001.	6590.6

Sample Name: LCS 280-252084/2-A Acquired: 11/18/2014 2:58:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.06109**	**2.1346**	**1.0257**	F **1.1225**	**2.1223**	**.05224**	F **2.4205**	**53.188**	**.09764**
Stddev	.00009	.0070	.0060	.0039	.0028	.00010	.0038	.047	.00029
%RSD	.14167	.32672	.58037	.35075	.12993	.18426	.15869	.08847	.29499
#1	.06103	2.1396	1.0299	1.1253	2.1243	.05218	2.4232	53.221	.09785
#2	.06115	2.1297	1.0215	1.1197	2.1204	.05231	2.4178	53.155	.09744
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750			1.1000			2.2000		
Low Limit	.04300			.89000			1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50973**	**.20203**	**.25458**	**1.0702**	**52.599**	**1.0655**	**50.148**	**.53208**	F **1.1735**
Stddev	.00094	.00014	.00048	.0022	.021	.0008	.037	.00100	.0019
%RSD	.18491	.07131	.18729	.20363	.04059	.07215	.07465	.18845	.16106
#1	.51039	.20214	.25492	1.0718	52.584	1.0650	50.121	.53137	1.1749
#2	.50906	.20193	.25424	1.0687	52.614	1.0660	50.174	.53279	1.1722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.862**	**.50030**	**10.637**	**.53351**	**2.2623**	F **.57576**	F **2.3384**	**10.396**	**2.2147**
Stddev	.031	.00086	.017	.00062	.0097	.00612	.0056	.025	.0037
%RSD	.05532	.17156	.15681	.11651	.42760	1.0628	.23822	.24413	.16507
#1	56.839	.50090	10.649	.53307	2.2691	.58009	2.3424	10.414	2.2121
#2	56.884	.49969	10.625	.53395	2.2554	.57143	2.3345	10.378	2.2173
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	56.000					.54000	2.2000		
Low Limit	45.500					.44000	1.8000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0096**	**.97298**	**1.0464**	**2.1574**	**2.0189**	**.52747**	**.49332**	**.50805**
Stddev	.0016	.00009	.0029	.0058	.0216	.00187	.00056	.00192
%RSD	.15652	.00906	.27285	.27068	1.0710	.35466	.11283	.37858
#1	1.0107	.97292	1.0444	2.1616	2.0036	.52615	.49292	.50941
#2	1.0085	.97304	1.0484	2.1533	2.0342	.52880	.49371	.50669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4953.2**	**86432.**	**6528.1**
Stddev	6.4	26.	17.0
%RSD	.12904	.02950	.26080
#1	4948.6	86450.	6516.0
#2	4957.7	86414.	6540.1

Sample Name: 280-62251-C-2-A Acquired: 11/18/2014 3:01:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**-.03025**	**.02399**	**2.9851**	**3.8226**	**-.00003**	**-.00523**	**350.06**	**.00083**
Stddev	.00046	.00020	.00243	.0031	.0080	.00003	.00276	3.25	.00020
%RSD	32.689	.67317	10.140	.10428	.20915	125.72	52.802	.92764	23.908
#1	.00173	-.03010	.02571	2.9873	3.8282	-.00005	-.00718	352.36	.00069
#2	.00108	-.03039	.02227	2.9829	3.8169	-.00000	-.00328	347.77	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00198**	**.00116**	**-.00114**	**23.920**	W **254.21**	**.00927**	W **1336.3**	**1.7378**	**.00971**
Stddev	.00001	.00004	.00011	.116	.92	.00424	2.4	.0017	.00028
%RSD	.56764	3.0932	9.7159	.48558	.36210	45.719	.18326	.09529	2.9151
#1	.00197	.00114	-.00122	24.003	253.56	.01227	1334.6	1.7389	.00991
#2	.00198	.00119	-.00107	23.838	254.86	.00628	1338.1	1.7366	.00951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit					100.00		500.00		
Low Limit					-.50000		-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10264.**	**.00459**	**3.5732**	W **-.00301**	**2.2496**	**-.00490**	**.00456**	**9.9341**	**-.00243**
Stddev	93.	.00024	.0066	.00114	.0095	.00140	.00191	.0271	.00075
%RSD	.90619	5.2145	.18493	37.786	.42173	28.496	41.855	.27277	30.735
#1	10329.	.00476	3.5685	-.00382	2.2563	-.00589	.00591	9.9533	-.00190
#2	10198.	.00442	3.5779	-.00221	2.2428	-.00391	.00321	9.9149	-.00296
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10000.			10.000					
Low Limit	9.0000			-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.207**	**.00814**	**.00140**	**-.00136**	**.00293**	**.00612**	**.00097**	**.00177**
Stddev	.237	.00152	.00001	.00080	.06109	.00024	.00116	.00178
%RSD	1.1164	18.695	.56981	58.974	2082.2	3.8949	119.88	100.26
#1	21.375	.00706	.00140	-.00193	.04613	.00629	.00015	.00303
#2	21.040	.00921	.00141	-.00079	-.04026	.00596	.00179	.00052
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	20.000							
Low Limit	-.02000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3589.8**	**61543.**	**5768.3**
Stddev	1.8	72.	17.5
%RSD	.05002	.11667	.30416
#1	3591.1	61492.	5755.8
#2	3588.5	61594.	5780.7

Sample Name: 280-62251-C-2-A SD@5 Acquired: 11/18/2014 3:04:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**-.01019**	**.00502**	**.60539**	**.74960**	**.00003**	**.00014**	**73.572**	**.00090**
Stddev	.00016	.00012	.00007	.00062	.00197	.00007	.00399	.072	.00027
%RSD	14.117	1.1923	1.4807	.10191	.26235	243.11	2903.6	.09847	29.688
#1	.00124	-.01010	.00507	.60582	.75099	-.00002	.00296	73.623	.00109
#2	.00101	-.01027	.00497	.60495	.74821	.00008	-.00268	73.521	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00021**	**-.00006**	**4.9868**	**47.568**	**.00109**	**285.05**	**.35261**	**.00183**
Stddev	.00014	.00026	.00005	.0274	.095	.00118	.08	.00043	.00055
%RSD	14.722	122.18	80.578	.54946	.19866	107.68	.02749	.12072	30.042
#1	.00108	.00040	-.00003	5.0062	47.501	.00192	284.99	.35231	.00144
#2	.00088	.00003	-.00010	4.9675	47.634	.00026	285.10	.35291	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **1997.1**	**.00108**	**.68865**	**.00057**	**.43556**	**-.00158**	**-.00111**	**1.9317**	**-.00004**
Stddev	1.9	.00007	.00179	.00203	.00999	.00141	.00500	.0295	.00048
%RSD	.09636	6.3850	.25993	354.88	2.2940	88.943	449.03	1.5272	1173.3
#1	1998.4	.00113	.68738	-.00086	.44262	-.00059	.00242	1.9108	-.00038
#2	1995.7	.00103	.68991	.00201	.42849	-.00258	-.00465	1.9526	.00030
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3044**	**.00479**	**.00080**	**.00177**	**-.00658**	**.00209**	**-.00005**	**.00093**
Stddev	.0318	.00070	.00012	.00050	.02308	.00041	.00064	.00135
%RSD	.73884	14.640	14.666	28.188	350.80	19.379	1356.0	144.81
#1	4.2819	.00430	.00089	.00142	.00974	.00181	-.00050	.00189
#2	4.3269	.00529	.00072	.00212	-.02290	.00238	.00041	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4369.2**	**74262.**	**6163.6**
Stddev	4.3	60.	24.5
%RSD	.09788	.08025	.39691
#1	4372.2	74304.	6180.9
#2	4366.2	74219.	6146.3

Sample Name: 280-62251-C-2-B MS Acquired: 11/18/2014 3:07:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07259**	**1.8338**	**1.1795**	**4.0412**	**6.0724**	**.05092**	**2.4420**	**402.04**	**.10988**
Stddev	.00003	.0039	.0027	.0096	.0285	.00056	.0061	1.33	.00076
%RSD	.04545	.20987	.22754	.23853	.46910	1.1010	.25161	.33187	.68893
#1	.07256	1.8311	1.1776	4.0344	6.0925	.05132	2.4377	402.98	.10934
#2	.07261	1.8365	1.1814	4.0480	6.0523	.05053	2.4464	401.09	.11041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46798**	**.19722**	**.25947**	**25.100**	W **319.31**	**1.2093**	W **1375.5**	**2.2503**	**1.1640**
Stddev	.00019	.00025	.00002	.122	.91	.0066	2.0	.0037	.0009
%RSD	.04041	.12692	.00950	.48482	.28509	.54804	.14440	.16198	.07627
#1	.46784	.19705	.25945	25.186	319.95	1.2140	1374.0	2.2478	1.1634
#2	.46811	.19740	.25948	25.014	318.67	1.2046	1376.9	2.2529	1.1647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit					100.00		500.00		
Low Limit					-.50000		-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10531.**	**.45862**	**15.473**	**.45298**	**4.8224**	**.60353**	**2.4746**	**21.004**	**1.9643**
Stddev	15.	.00063	.004	.00138	.0160	.00071	.0008	.042	.0067
%RSD	.14532	.13649	.02627	.30465	.33137	.11815	.03191	.20187	.34356
#1	10542.	.45906	15.470	.45396	4.8111	.60303	2.4751	21.034	1.9596
#2	10520.	.45817	15.476	.45201	4.8337	.60404	2.4740	20.974	1.9691
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10000.								
Low Limit	9.0000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.786**	**1.0014**	**1.0594**	**1.6180**	**2.0697**	**.54317**	**.48140**	**.51431**
Stddev	.120	.0024	.0023	.0011	.0196	.00258	.00030	.00262
%RSD	.52765	.24247	.21455	.07069	.94804	.47540	.06135	.50950
#1	22.871	.99970	1.0578	1.6188	2.0836	.54135	.48120	.51616
#2	22.701	1.0031	1.0610	1.6172	2.0559	.54500	.48161	.51245
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	20.000							
Low Limit	-.02000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3574.2**	**61714.**	**5738.7**
Stddev	3.3	88.	35.5
%RSD	.09211	.14288	.61888
#1	3576.6	61776.	5713.6
#2	3571.9	61651.	5763.8

Sample Name: 280-62251-C-2-C MSD Acquired: 11/18/2014 3:10:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07112**	**1.8111**	**1.1580**	**3.9405**	**5.9004**	**.05019**	**2.4025**	**389.82**	**.10737**
Stddev	.00010	.0005	.0014	.0005	.0015	.00009	.0072	1.13	.00047
%RSD	.14754	.02888	.12383	.01332	.02506	.17453	.29786	.29017	.43552
#1	.07104	1.8107	1.1570	3.9401	5.8994	.05013	2.3975	389.02	.10770
#2	.07119	1.8115	1.1590	3.9409	5.9015	.05025	2.4076	390.62	.10704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46285**	**.19433**	**.25615**	**24.286**	W **310.42**	**1.1804**	W **1342.5**	**2.1962**	**1.1473**
Stddev	.00094	.00139	.00000	.033	.91	.0011	4.3	.0041	.0012
%RSD	.20336	.71774	.00100	.13748	.29377	.09667	.32358	.18711	.10790
#1	.46352	.19531	.25615	24.262	309.77	1.1796	1339.5	2.1933	1.1482
#2	.46219	.19334	.25614	24.310	311.06	1.1812	1345.6	2.1991	1.1464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit					100.00		500.00		
Low Limit					-.50000		-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10105.**	**.45265**	**15.184**	**.44424**	**4.6993**	**.59185**	**2.4283**	**20.442**	**1.9424**
Stddev	26.	.00085	.016	.00005	.0023	.00256	.0143	.030	.0016
%RSD	.26152	.18744	.10809	.01107	.04825	.43281	.58674	.14681	.08301
#1	10087.	.45325	15.195	.44428	4.7009	.59366	2.4182	20.421	1.9436
#2	10124.	.45205	15.172	.44421	4.6977	.59003	2.4383	20.463	1.9413
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10000.								
Low Limit	9.0000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.876**	**.98804**	**1.0443**	**1.5950**	**1.9699**	**.53713**	**.47576**	**.50104**
Stddev	.077	.00324	.0012	.0015	.0271	.00115	.00277	.00042
%RSD	.35244	.32817	.11726	.09172	1.3740	.21499	.58286	.08331
#1	21.821	.98575	1.0434	1.5940	1.9508	.53631	.47380	.50134
#2	21.930	.99033	1.0452	1.5961	1.9891	.53795	.47772	.50075
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	20.000							
Low Limit	-.02000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3590.6**	**61997.**	**5800.2**
Stddev	2.0	166.	11.3
%RSD	.05693	.26771	.19463
#1	3592.0	62114.	5808.2
#2	3589.1	61879.	5792.2

Sample Name: ccvh-2982968 Acquired: 11/18/2014 3:14:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00598**	**51.704**	**-.00208**	**.01381**	**.00165**	**.00008**	F **1.1036**	**-.00458**	**-.00032**	**.00191**	**.00012**	**-.00535**
Stddev	.00012	.083	.00418	.00131	.00020	.00006	.0004	.00539	.00017	.00001	.00039	.00025
%RSD	2.0701	.15981	200.86	9.5025	11.894	72.432	.03812	117.65	52.610	.31895	332.93	4.6257
#1	.00607	51.762	.00087	.01473	.00151	.00004	1.1033	-.00077	-.00043	.00191	.00039	-.00517
#2	.00590	51.645	-.00503	.01288	.00178	.00013	1.1039	-.00839	-.00020	.00190	-.00016	-.00552
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.344**	**.72105**	**.00098**	**.20333**	**-.00284**	**-.00110**	**261.81**	**.00085**	**.01371**	**.00273**	**5.2521**	**-.00318**
Stddev	.102	.05936	.00077	.01042	.00006	.00008	.68	.00003	.00010	.00164	.0098	.00016
%RSD	.20641	8.2329	78.689	5.1251	1.9881	7.5659	.26032	3.3148	.73739	60.017	.18638	4.8837
#1	49.272	.76303	.00044	.21070	-.00280	-.00104	262.29	.00083	.01378	.00389	5.2590	-.00329
#2	49.416	.67907	.00153	.19596	-.00288	-.00116	261.33	.00087	.01364	.00157	5.2451	-.00307
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**-.01032**	**.00130**	**.00234**	**4.5473**	**-.01828**	**.00123**	**9.5680**	**.00298**	**-.00115**	**-.03921**
Stddev	.01005	.00456	.00069	.00028	.0011	.00027	.00192	.0339	.00092	.00039	.00029
%RSD	332.75	44.179	52.775	12.124	.02345	1.4730	155.80	.35456	30.930	33.863	.73251
#1	-.00408	-.00710	.00179	.00254	4.5481	-.01847	-.00012	9.5920	.00364	-.00088	-.03901
#2	.01012	-.01355	.00082	.00214	4.5466	-.01809	.00258	9.5440	.00233	-.00143	-.03941
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4962.5**	**85485.**	**6501.9**
Stddev	7.4	45.	10.8
%RSD	.14974	.05304	.16601
#1	4957.2	85517.	6494.2
#2	4967.7	85452.	6509.5

Sample Name: ccv-2984587 Acquired: 11/18/2014 3:16:49 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52400**	**.52159**	**.96577**	**.52592**	**.49949**	**.48935**	**.00556**	**4.9761**	**.49383**	**.48983**	**.47608**	**.48370**
Stddev	.00124	.00129	.00405	.00063	.00149	.00117	.00020	.0127	.00081	.00005	.00068	.00047
%RSD	.23674	.24650	.41893	.12034	.29737	.23838	3.5626	.25489	.16472	.01081	.14306	.09637
#1	.52312	.52250	.96291	.52547	.50054	.49018	.00542	4.9850	.49325	.48980	.47560	.48337
#2	.52488	.52068	.96863	.52636	.49844	.48853	.00570	4.9671	.49440	.48987	.47656	.48403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5016**	**49.167**	**1.0043**	**19.017**	**.49306**	**.52973**	F **6.8426**	**.48307**	**.97398**	**1.0104**	**.01215**	**1.0534**
Stddev	.0065	.150	.0019	.024	.00055	.00073	.0825	.00050	.00078	.0016	.00015	.0014
%RSD	.26076	.30509	.19015	.12806	.11164	.13853	1.2056	.10407	.07959	.15715	1.2439	.13065
#1	2.5063	49.273	1.0056	19.000	.49267	.52921	6.9009	.48271	.97453	1.0115	.01225	1.0524
#2	2.4970	49.061	1.0029	19.034	.49345	.53025	6.7843	.48342	.97343	1.0092	.01204	1.0544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0899**	**4.8024**	**1.0443**	**.47537**	**.02776**	**.49511**	**1.0475**	**-.00404**	**.49372**	**.46951**	**.48164**
Stddev	.0039	.0191	.0014	.00144	.00109	.00032	.0008	.01991	.00077	.00332	.00110
%RSD	.35560	.39688	.13268	.30195	3.9428	.06536	.08159	493.02	.15622	.70674	.22886
#1	1.0926	4.7889	1.0433	.47638	.02853	.49488	1.0469	-.01811	.49318	.46716	.48242
#2	1.0871	4.8159	1.0453	.47435	.02698	.49534	1.0481	.01004	.49427	.47185	.48086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5059.2**	**87416.**	**6464.5**
Stddev	8.9	53.	1.9
%RSD	.17515	.06006	.02934
#1	5065.5	87453.	6463.1
#2	5052.9	87379.	6465.8

Sample Name: CCB Acquired: 11/18/2014 3:19:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00196**	**-.00556**	**.00173**	F **.00868**	**.00040**	**.00008**	**-.00520**	**-.00620**	**.00020**	**.00003**	**-.00022**	**-.00109**
Stddev	.00059	.00041	.00079	.00033	.00044	.00000	.00194	.00237	.00023	.00012	.00006	.00003
%RSD	30.305	7.4584	45.910	3.8368	108.52	3.9071	37.319	38.194	112.03	414.59	27.009	2.3033
#1	.00154	-.00526	.00229	.00891	.00071	.00008	-.00383	-.00788	.00004	-.00006	-.00027	-.00108
#2	.00238	-.00585	.00117	.00844	.00009	.00007	-.00658	-.00453	.00036	.00011	-.00018	-.00111
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00180			.00312								
Low Limit	-.00180			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	F **.31898**	**-.00055**	**.01039**	**.00010**	**.00072**	F **1.3323**	**-.00046**	**.00794**	**-.00036**	**.00904**	**.00116**
Stddev	.00062	.04275	.00080	.00193	.00003	.00007	.0193	.00009	.00224	.00018	.00368	.00127
%RSD	40.787	13.402	144.76	18.549	29.711	10.371	1.4495	18.929	28.249	51.281	40.723	109.49
#1	.00109	.28875	-.00112	.01175	.00008	.00077	1.3460	-.00040	.00952	-.00048	.00644	.00207
#2	.00197	.34920	.00001	.00903	.00012	.00066	1.3187	-.00052	.00635	-.00023	.01164	.00026
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000					.20152					
Low Limit		-.25000					-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00517**	**.00023**	**.00013**	**.00467**	**.00030**	**.00080**	**.00070**	**-.00036**	**-.00066**	**-.00188**
Stddev	.00281	.00140	.00023	.00004	.00008	.00030	.00096	.01597	.00047	.00055	.00138
%RSD	16680.	27.041	98.929	27.103	1.6898	97.627	119.28	2268.9	128.79	83.786	73.223
#1	-.00201	-.00615	.00040	.00010	.00473	.00052	.00148	-.01059	-.00070	-.00027	-.00091
#2	.00197	-.00418	.00007	.00015	.00462	.00009	.00013	.01200	-.00003	-.00105	-.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5119.7**	**89116.**	**6483.6**
Stddev	1.9	139.	2.3
%RSD	.03622	.15562	.03569
#1	5121.1	89214.	6482.0
#2	5118.4	89018.	6485.3

Sample Name: CCVL2994499 Acquired: 11/18/2014 3:22:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01293**	**.10677**	**.01354**	**.11184**	W **.01243**	**.00105**	W **.12279**	F **.32045**	**.00535**	**.01035**	**.01009**	**.01475**
Stddev	.00013	.00007	.00018	.00015	.00024	.00004	.00086	.00168	.00015	.00024	.00011	.00018
%RSD	1.0378	.06128	1.3534	.13531	1.9486	3.4146	.70395	.52301	2.7532	2.3234	1.1001	1.1994
#1	.01302	.10682	.01341	.11173	.01260	.00107	.12218	.32163	.00546	.01018	.01001	.01487
#2	.01283	.10673	.01367	.11195	.01225	.00102	.12340	.31926	.00525	.01052	.01017	.01462
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000				.01000		.10000	.20000				
Range	20.000%				20.000%		20.000%	30.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11276**	**3.4131**	**.01078**	F **.63924**	F **.01402**	**.02149**	F **4.9098**	**.04055**	**2.8979**	**.00968**	**.03333**	**.01062**
Stddev	.00040	.0097	.00009	.00305	.00006	.00018	.0645	.00035	.0034	.00011	.00501	.00126
%RSD	.35250	.28270	.80607	.47719	.45207	.82123	1.3141	.86375	.11712	1.1607	15.042	11.870
#1	.11248	3.4200	.01072	.64140	.01398	.02136	4.9554	.04080	2.9003	.00960	.03688	.01151
#2	.11305	3.4063	.01084	.63708	.01407	.02161	4.8642	.04030	2.8955	.00976	.02979	.00973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value				.20000	.01000		1.0000					
Range				30.000%	30.000%		30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01954**	**.48660**	**.10978**	F **.01649**	W **.01921**	**.01082**	**.01783**	**.06647**	**.00990**	**.02027**	**.01380**
Stddev	.00264	.01875	.00004	.00018	.00172	.00024	.00051	.00282	.00037	.00135	.00010
%RSD	13.488	3.8536	.03587	1.0646	8.9744	2.2545	2.8593	4.2418	3.7184	6.6684	.69158
#1	.01768	.49986	.10981	.01661	.02043	.01064	.01819	.06846	.01016	.01931	.01387
#2	.02140	.47334	.10975	.01636	.01799	.01099	.01747	.06447	.00964	.02123	.01373
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000	.01500						
Range	30.000%			30.000%	20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5155.7**	**89599.**	**6609.0**
Stddev	2.1	345.	78.9
%RSD	.04134	.38461	1.1945
#1	5154.2	89842.	6553.2
#2	5157.3	89355.	6664.8

Sample Name: 280-62251-C-3-A Acquired: 11/18/2014 3:24:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**-.01517**	**-.00077**	**2.0047**	**1.0804**	**.00003**	**-.00641**	W **853.96**	**.00087**
Stddev	.00020	.00176	.00792	.0023	.0012	.00008	.00617	1.93	.00004
%RSD	20.061	11.583	1024.3	.11416	.11213	249.50	96.125	.22582	4.1152
#1	.00086	-.01641	.00483	2.0064	1.0795	-.00003	-.01077	855.32	.00089
#2	.00114	-.01393	-.00638	2.0031	1.0812	.00009	-.00205	852.59	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00136**	**-.00004**	**7.6039**	W **242.11**	**.04649**	**407.49**	**1.6351**	**-.00028**
Stddev	.00037	.00003	.00006	.0100	1.50	.00023	1.36	.0037	.00017
%RSD	40.906	2.3972	139.53	.13089	.61985	.49422	.33466	.22333	59.706
#1	.00064	.00134	-.00000	7.6109	241.05	.04665	406.53	1.6325	-.00016
#2	.00116	.00138	-.00008	7.5969	243.17	.04633	408.46	1.6377	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					100.00				
Low Limit					-.50000				

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8907.1**	**.00169**	**5.4549**	**-.00278**	**1.5934**	**-.00205**	W **-.00669**	**33.104**	**-.00349**
Stddev	48.4	.00017	.0078	.00165	.0101	.00234	.00092	.016	.00020
%RSD	.54377	10.189	.14291	59.320	.63143	113.86	13.788	.04821	5.7441
#1	8872.8	.00181	5.4494	-.00395	1.6005	-.00040	-.00604	33.116	-.00335
#2	8941.3	.00157	5.4604	-.00162	1.5863	-.00371	-.00734	33.093	-.00363
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	500.00						5.0000		
Low Limit	10.000						-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7386**	**.00572**	**.00283**	**.00311**	**.03779**	**.00368**	**.00034**	**.00069**
Stddev	.0304	.00096	.00003	.00008	.01970	.00044	.00047	.00234
%RSD	.34829	16.776	.98209	2.4243	52.123	12.068	136.97	341.71
#1	8.7171	.00640	.00281	.00316	.02386	.00336	.00068	.00234
#2	8.7601	.00504	.00285	.00306	.05172	.00399	.00001	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3691.9**	**63213.**	**5876.7**
Stddev	3.0	226.	4.1
%RSD	.08140	.35754	.07028
#1	3694.1	63373.	5879.6
#2	3689.8	63053.	5873.8

Sample Name: 280-62251-C-4-A Acquired: 11/18/2014 3:28:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**.00359**	**.00268**	**.96448**	**.44474**	**.00011**	**-.00537**	W **698.92**	**.00467**
Stddev	.00043	.00147	.00111	.00138	.00009	.00001	.00085	.35	.00013
%RSD	11.444	40.903	41.440	.14300	.01950	6.9619	15.896	.04984	2.7494
#1	.00407	.00255	.00189	.96351	.44480	.00011	-.00597	699.16	.00476
#2	.00346	.00463	.00346	.96546	.44468	.00012	-.00476	698.67	.00458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01641**	**.00024**	**-.00086**	**.05048**	**46.068**	**.15137**	W **1314.9**	**9.2810**	**.00186**
Stddev	.00052	.00022	.00036	.00028	.654	.00186	.6	.0038	.00037
%RSD	3.1759	92.525	41.346	.55945	1.4194	1.2279	.04498	.04107	19.924
#1	.01678	.00040	-.00061	.05067	45.606	.15005	1314.4	9.2783	.00160
#2	.01604	.00008	-.00111	.05028	46.531	.15268	1315.3	9.2837	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							500.00		
Low Limit							-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8953.9**	**.07439**	**.68946**	**.00071**	**62.916**	**.00098**	**-.00128**	**15.740**	**-.00379**
Stddev	142.5	.00016	.00036	.00078	.034	.00108	.00655	.040	.00129
%RSD	1.5918	.21345	.05208	109.26	.05423	110.02	510.85	.25445	34.000
#1	9054.7	.07428	.68971	.00016	62.892	.00022	-.00591	15.768	-.00288
#2	8853.1	.07450	.68921	.00126	62.940	.00174	.00335	15.712	-.00470
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6397**	**.00700**	**.00047**	**-.00002**	**.00268**	**.00679**	**.00246**	**.00153**
Stddev	.0565	.00145	.00030	.00007	.00864	.00034	.00035	.00121
%RSD	.58631	20.791	65.014	357.54	321.97	5.0085	14.210	79.210
#1	9.6797	.00597	.00025	.00003	-.00343	.00655	.00221	.00067
#2	9.5997	.00802	.00068	-.00007	.00880	.00703	.00271	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3585.6**	**61834.**	**5712.6**
Stddev	.8	66.	5.3
%RSD	.02277	.10609	.09275
#1	3585.0	61788.	5708.8
#2	3586.2	61880.	5716.3

Sample Name: 280-62251-C-5-A Acquired: 11/18/2014 3:31:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**-.02487**	**.00330**	**1.3925**	**.90487**	**-.00002**	**-.00570**	**423.28**	**.00111**
Stddev	.00042	.00003	.00406	.0005	.00038	.00005	.00232	3.13	.00027
%RSD	25.691	.13365	123.01	.03849	.04184	285.14	40.746	.73975	24.323
#1	.00194	-.02489	.00043	1.3921	.90460	.00002	-.00734	425.50	.00092
#2	.00134	-.02484	.00617	1.3929	.90514	-.00005	-.00406	421.07	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00079**	**-.00008**	**15.431**	W **154.54**	**.06698**	W **676.06**	**5.0375**	**-.00007**
Stddev	.00029	.00003	.00013	.043	.15	.00041	3.94	.0056	.00032
%RSD	21.671	4.1109	154.78	.27728	.09957	.61108	.58250	.11137	470.77
#1	.00153	.00082	-.00017	15.462	154.43	.06669	678.85	5.0414	-.00029
#2	.00112	.00077	.00001	15.401	154.65	.06727	673.28	5.0335	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit					100.00		500.00		
Low Limit					-.50000		-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5559.3**	**.00166**	**14.913**	**-.00231**	**2.6316**	**-.00002**	W **-.00676**	**25.279**	**-.00089**
Stddev	5.2	.00070	.006	.00026	.0066	.00261	.00846	.002	.00141
%RSD	.09328	41.959	.03977	11.037	.24915	16550.	125.21	.00966	158.15
#1	5563.0	.00215	14.917	-.00249	2.6362	.00183	-.01274	25.277	-.00189
#2	5555.7	.00117	14.908	-.00213	2.6269	-.00186	-.00078	25.281	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	500.00						5.0000		
Low Limit	10.000						-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.663**	**.00626**	**.00268**	**.00121**	**.00136**	**.00307**	**.00259**	**.00167**
Stddev	.100	.00437	.00024	.00390	.01205	.00042	.00017	.00153
%RSD	.85636	69.812	8.9300	321.59	887.89	13.666	6.4866	91.142
#1	11.733	.00317	.00285	-.00155	.00988	.00337	.00247	.00275
#2	11.592	.00935	.00252	.00397	-.00716	.00278	.00271	.00060
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3879.8**	**66071.**	**5907.7**
Stddev	3.9	119.	14.9
%RSD	.10175	.18053	.25170
#1	3882.6	65986.	5897.1
#2	3877.0	66155.	5918.2

Sample Name: 280-62251-C-6-A Acquired: 11/18/2014 3:34:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**-.00376**	**.00341**	**.62288**	**.57899**	**-.00001**	W **-.01018**	W **1168.3**	**.00022**
Stddev	.00005	.00022	.00339	.00076	.00048	.00004	.00246	9.2	.00005
%RSD	4.4400	5.9619	99.458	.12202	.08289	383.27	24.182	.78870	21.864
#1	.00110	-.00360	.00580	.62342	.57933	.00002	-.00844	1161.8	.00019
#2	.00103	-.00392	.00101	.62234	.57865	-.00004	-.01192	1174.8	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit							3.0000	500.00	
Low Limit							-.01000	-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.00066**	**.00070**	**.04161**	W **209.41**	**.02335**	**41.234**	**.03309**	**.00092**
Stddev	.00030	.00041	.00007	.00118	.65	.00130	.007	.00028	.00012
%RSD	24.415	61.868	10.660	2.8439	.30926	5.5588	.01758	.84709	13.050
#1	.00142	.00094	.00075	.04244	208.96	.02426	41.239	.03329	.00101
#2	.00100	.00037	.00064	.04077	209.87	.02243	41.229	.03289	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					100.00				
Low Limit					-.50000				

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6417.5**	**.00398**	**.75307**	**-.00042**	**11.970**	**.00053**	F **-.01071**	**6.6884**	**-.00306**
Stddev	45.5	.00065	.00024	.00079	.051	.00052	.00388	.0187	.00068
%RSD	.70868	16.296	.03190	188.86	.42713	98.206	36.253	.27933	22.331
#1	6449.6	.00444	.75324	.00014	12.006	.00090	-.01346	6.6752	-.00354
#2	6385.3	.00352	.75290	-.00098	11.933	.00016	-.00797	6.7017	-.00258
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	500.00						50.000		
Low Limit	10.000						-.01000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.500**	**.00344**	**.00170**	**.00367**	**.03086**	**.00088**	**.00078**	**-.00125**
Stddev	.108	.00057	.00024	.00052	.02657	.00011	.00086	.00212
%RSD	.50319	16.723	13.933	14.230	86.095	12.758	110.86	169.99
#1	21.423	.00384	.00153	.00330	.04965	.00095	.00017	.00025
#2	21.576	.00303	.00187	.00404	.01207	.00080	.00138	-.00275
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	20.000							
Low Limit	-.02000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3861.7**	**65719.**	**5886.8**
Stddev	1.4	84.	15.9
%RSD	.03753	.12723	.26950
#1	3860.7	65660.	5898.0
#2	3862.7	65778.	5875.6

Sample Name: 280-62251-C-7-A Acquired: 11/18/2014 3:38:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**-.00192**	**.00082**	**3.2057**	**.26689**	**-.00002**	**-.00866**	**376.36**	**.00075**
Stddev	.00102	.00126	.00080	.0003	.00059	.00008	.00393	3.03	.00016
%RSD	98.441	65.668	97.211	.00808	.21960	427.06	45.404	.80404	20.962
#1	.00032	-.00103	.00138	3.2059	.26648	-.00007	-.01144	374.22	.00086
#2	.00176	-.00281	.00026	3.2055	.26731	.00004	-.00588	378.50	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.01171**	**-.00044**	**.00696**	W **258.61**	**.08423**	W **934.21**	**.09321**	**.00019**
Stddev	.00038	.00018	.00037	.00039	.90	.00026	3.22	.00035	.00040
%RSD	31.788	1.5769	84.351	5.6201	.34902	.30702	.34453	.37137	207.38
#1	.00146	.01158	-.00018	.00723	257.97	.08405	931.93	.09296	-.00009
#2	.00092	.01184	-.00071	.00668	259.24	.08441	936.48	.09345	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit					100.00		500.00		
Low Limit					-.50000		-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7591.6**	**.00348**	**14.446**	W **-.00329**	**26.893**	**-.00184**	W **-.00686**	**35.805**	**-.00260**
Stddev	10.4	.00011	.004	.00104	.041	.00253	.00667	.123	.00044
%RSD	.13663	3.0468	.02969	31.628	.15395	137.73	97.242	.34446	17.054
#1	7598.9	.00356	14.443	-.00256	26.923	-.00363	-.01157	35.892	-.00229
#2	7584.3	.00341	14.449	-.00403	26.864	-.00005	-.00214	35.718	-.00292
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	500.00			10.000			5.0000		
Low Limit	10.000			-.00300			-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.5800**	**.00917**	**.01860**	**.00105**	**-.00807**	**.01012**	**.00297**	**.00257**
Stddev	.0078	.00093	.00016	.00265	.01073	.00058	.00019	.00092
%RSD	.11837	10.117	.87675	252.26	133.04	5.6836	6.5202	35.899
#1	6.5855	.00852	.01872	.00293	-.00048	.01053	.00311	.00192
#2	6.5745	.00983	.01849	-.00082	-.01565	.00971	.00283	.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3777.5**	**64287.**	**5870.5**
Stddev	5.9	145.	5.8
%RSD	.15748	.22608	.09805
#1	3781.7	64390.	5866.5
#2	3773.3	64185.	5874.6

Sample Name: 280-62251-C-8-A Acquired: 11/18/2014 3:41:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00971**	**.00355**	**3.0722**	**.14121**	**-.00001**	**-.00582**	**272.60**	**.00102**
Stddev	.00062	.00087	.00281	.0027	.00102	.00005	.00238	.71	.00003
%RSD	58.300	8.9510	79.150	.08870	.72128	561.36	40.981	.26102	3.4316
#1	.00149	-.00909	.00554	3.0741	.14049	.00002	-.00750	272.10	.00104
#2	.00062	-.01032	.00156	3.0703	.14193	-.00004	-.00413	273.10	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.00941**	**.00019**	**.00705**	W **218.78**	**.07047**	W **792.95**	**.03235**	**.00003**
Stddev	.00013	.00012	.00004	.00254	1.04	.00351	1.98	.00021	.00000
%RSD	7.1643	1.2415	19.546	36.074	.47525	4.9871	.24958	.64300	7.9314
#1	.00176	.00950	.00017	.00885	218.05	.06799	791.55	.03220	.00004
#2	.00194	.00933	.00022	.00526	219.52	.07296	794.35	.03250	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit					100.00		500.00		
Low Limit					-.50000		-.10000		

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6184.4**	**.00308**	**7.2878**	W **-.00317**	**251.50**	**-.00449**	**-.00244**	**31.147**	**-.00231**
Stddev	1.0	.00052	.0260	.00027	.05	.00048	.00138	.122	.00120
%RSD	.01653	16.815	.35700	8.5008	.01792	10.689	56.365	.39254	51.731
#1	6183.7	.00344	7.2694	-.00336	251.53	-.00483	-.00147	31.061	-.00147
#2	6185.1	.00271	7.3062	-.00298	251.47	-.00415	-.00342	31.233	-.00316
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00			10.000					
Low Limit	10.000			-.00300					

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6824**	**.00677**	**.00912**	**.00186**	**.00119**	**.01098**	**.00327**	**.00374**
Stddev	.0049	.00097	.00045	.00097	.04394	.00011	.00043	.00036
%RSD	.10556	14.354	4.9507	52.243	3705.9	.98790	13.296	9.7406
#1	4.6789	.00746	.00944	.00117	-.02988	.01091	.00357	.00400
#2	4.6859	.00609	.00880	.00255	.03226	.01106	.00296	.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3896.1**	**66180.**	**5969.0**
Stddev	6.3	70.	28.6
%RSD	.16201	.10516	.47851
#1	3900.6	66229.	5989.2
#2	3891.7	66131.	5948.8

Sample Name: 280-62251-C-9-A Acquired: 11/18/2014 3:45:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252084 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00945**	**-.02289**	**-.00204**	**.72551**	**.13045**	**-.00005**	**-.00315**	W **750.30**	**.00173**
Stddev	.00011	.00127	.00256	.00224	.00028	.00000	.00019	5.41	.00011
%RSD	1.1857	5.5668	125.32	.30944	.21334	9.0801	6.0243	.72144	6.5847
#1	.00937	-.02379	-.00385	.72710	.13065	-.00005	-.00329	754.13	.00181
#2	.00953	-.02198	-.00023	.72392	.13025	-.00005	-.00302	746.47	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11067**	**.00006**	**.00115**	**.02150**	W **138.46**	**.00993**	W **1260.5**	F **45.301**	**-.00122**
Stddev	.00016	.00029	.00024	.00072	.19	.00043	.2	.261	.00025
%RSD	.14851	453.16	20.452	3.3600	.13634	4.3599	.01492	.57699	20.694
#1	.11056	.00027	.00098	.02098	138.33	.00962	1260.4	45.486	-.00140
#2	.11079	-.00014	.00132	.02201	138.60	.01024	1260.7	45.116	-.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
High Limit					100.00		500.00	20.000	
Low Limit					-.50000		-.10000	-.02000	

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9216.7**	**.19025**	**.37075**	**.00267**	**704.19**	**-.00188**	F **-.01298**	**20.556**	**-.00564**
Stddev	11.3	.00052	.00229	.00076	1.56	.00095	.00891	.062	.00042
%RSD	.12301	.27543	.61649	28.439	.22188	50.538	68.669	.30334	7.3998
#1	9224.7	.19062	.37236	.00320	705.29	-.00255	-.00668	20.600	-.00594
#2	9208.7	.18988	.36913	.00213	703.08	-.00121	-.01928	20.512	-.00535
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	500.00						50.000		
Low Limit	10.000						-.01000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6191**	**.00564**	**.00089**	**.00565**	F **-.11687**	**-.00415**	**.00593**	**-.00236**
Stddev	.0655	.00099	.00033	.00349	.03370	.00046	.00015	.00097
%RSD	.68085	17.603	37.510	61.725	28.832	11.172	2.5999	41.222
#1	9.6654	.00494	.00065	.00318	-.14070	-.00447	.00604	-.00304
#2	9.5728	.00635	.00112	.00812	-.09305	-.00382	.00582	-.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000			
Low Limit					-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3612.4**	**61898.**	**5743.9**
Stddev	1.6	70.	24.1
%RSD	.04500	.11278	.41943
#1	3613.5	61849.	5726.8
#2	3611.2	61948.	5760.9

Sample Name: ccvh-2982968 Acquired: 11/18/2014 3:48:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00568**	**51.735**	**-.00191**	**.01134**	**.00089**	**-.00002**	F **1.1051**	**.04792**	**-.00036**	**.00162**	**.00022**	**-.00471**
Stddev	.00011	.224	.00079	.00021	.00012	.00002	.0012	.01511	.00008	.00007	.00003	.00033
%RSD	2.0215	.43258	41.595	1.8384	13.397	135.24	.11215	31.521	21.350	4.0306	15.582	7.0885
#1	.00576	51.577	-.00247	.01119	.00080	-.00000	1.1043	.05860	-.00041	.00166	.00024	-.00495
#2	.00560	51.893	-.00135	.01148	.00097	-.00003	1.1060	.03724	-.00030	.00157	.00019	-.00448
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.116**	**.54880**	**.00161**	**.21124**	**-.00078**	**-.00233**	**264.57**	**.00101**	**.01812**	**.00342**	**5.3339**	**-.00207**
Stddev	.177	.03798	.00197	.00898	.00026	.00018	1.55	.00011	.00437	.00082	.0105	.00250
%RSD	.35980	6.9206	122.38	4.2508	33.048	7.5598	.58573	11.285	24.102	23.897	.19763	120.34
#1	48.991	.57566	.00301	.21759	-.00060	-.00245	263.48	.00109	.02121	.00284	5.3413	-.00031
#2	49.241	.52195	.00022	.20489	-.00096	-.00220	265.67	.00093	.01503	.00400	5.3264	-.00384
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00226**	**-.01926**	**.00128**	**.00133**	**4.6334**	**-.01939**	**.00090**	**9.7602**	**.00318**	**-.00083**	**-.04012**
Stddev	.00876	.00571	.00083	.00011	.0011	.00003	.00144	.0247	.00010	.00013	.00233
%RSD	387.40	29.671	64.953	8.1631	.02322	.13759	160.35	.25301	3.1664	15.479	5.8076
#1	-.00393	-.02330	.00069	.00141	4.6326	-.01941	-.00012	9.7428	.00325	-.00092	-.04177
#2	.00845	-.01522	.00187	.00126	4.6341	-.01937	.00192	9.7777	.00311	-.00074	-.03848
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4979.8**	**85340.**	**6493.7**
Stddev	3.5	213.	15.3
%RSD	.07061	.24967	.23617
#1	4977.4	85491.	6504.6
#2	4982.3	85190.	6482.9

Sample Name: ccv-2984587 Acquired: 11/18/2014 3:51:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51731**	**.52157**	**.97278**	**.51888**	**.49942**	**.48301**	**.00873**	**4.9268**	**.49556**	**.48882**	**.47706**	**.48747**
Stddev	.00243	.00159	.00382	.00011	.00150	.00135	.00113	.0032	.00010	.00006	.00022	.00205
%RSD	.47030	.30523	.39249	.02077	.29957	.27917	12.955	.06437	.01988	.01281	.04532	.42026
#1	.51903	.52270	.97548	.51896	.50047	.48396	.00953	4.9290	.49549	.48878	.47721	.48892
#2	.51559	.52045	.97009	.51881	.49836	.48206	.00793	4.9245	.49563	.48887	.47691	.48602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4171**	**48.955**	**1.0006**	**18.992**	**.48952**	**.52284**	F **6.9763**	**.48341**	**.97943**	**1.0071**	**.03761**	**1.0459**
Stddev	.0080	.101	.0027	.053	.00100	.00068	.0621	.00045	.00297	.0014	.00136	.0025
%RSD	.33161	.20687	.26798	.27896	.20417	.13002	.89038	.09328	.30374	.13976	3.6162	.24161
#1	2.4227	49.027	1.0025	19.029	.49023	.52236	7.0203	.48373	.97733	1.0061	.03665	1.0441
#2	2.4114	48.883	.99868	18.954	.48881	.52332	6.9324	.48309	.98153	1.0081	.03857	1.0477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0750**	**4.7552**	**1.0304**	**.47890**	**.02838**	**.49195**	**1.0406**	**-.01389**	**.48675**	**.46729**	**.48071**
Stddev	.0050	.0481	.0016	.00149	.00062	.00003	.0036	.01949	.00187	.00011	.00365
%RSD	.46928	1.0119	.15744	.31140	2.1748	.00673	.34186	140.27	.38442	.02341	.75949
#1	1.0785	4.7211	1.0315	.47995	.02882	.49198	1.0431	-.02767	.48807	.46721	.48329
#2	1.0714	4.7892	1.0292	.47784	.02794	.49193	1.0380	-.00011	.48542	.46737	.47813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5103.8**	**87858.**	**6527.7**
Stddev	.2	253.	33.4
%RSD	.00367	.28753	.51170
#1	5103.6	87679.	6504.1
#2	5103.9	88036.	6551.3

Sample Name: CCB Acquired: 11/18/2014 3:53:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00186**	**.00407**	**-.00096**	F **.00774**	F **.00132**	**.00006**	**-.00481**	F **.22162**	**.00017**	**-.00009**	W **.00074**	F **.00868**
Stddev	.00034	.00045	.00580	.00019	.00017	.00003	.00399	.00101	.00005	.00009	.00002	.00065
%RSD	17.993	10.929	603.62	2.5033	12.962	41.266	83.033	.45623	28.180	101.54	3.0690	7.5474
#1	.00210	.00439	-.00507	.00760	.00120	.00008	-.00763	.22090	.00014	-.00015	.00073	.00914
#2	.00163	.00376	.00314	.00788	.00144	.00004	-.00198	.22233	.00020	-.00003	.00076	.00821
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Fail
High Limit	.00180			.00312	.00115			.06900			.00066	.00272
Low Limit	-.00180			-.00312	-.00115			-.06900			-.00066	-.00272

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.03358**	F **.32769**	**.00158**	W **.01650**	F **.00078**	**.00081**	F **1.5410**	**-.00045**	F **.01255**	W **.00365**	**.07863**	**.00141**
Stddev	.00292	.02772	.00021	.00229	.00003	.00009	.0171	.00022	.00042	.00042	.00176	.00130
%RSD	8.7069	8.4591	13.428	13.864	3.5990	10.796	1.1095	47.525	3.3660	11.449	2.2399	92.431
#1	.03565	.34729	.00173	.01812	.00080	.00087	1.5531	-.00061	.01225	.00395	.07738	.00049
#2	.03151	.30809	.00143	.01488	.00076	.00075	1.5289	-.00030	.01285	.00336	.07987	.00233
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Warn	None	Chk Pass
High Limit	.02200	.25000		.01070	.00051		.20152		.01000	.00261		
Low Limit	-.02200	-.25000		-.01070	-.00051		-.20152		-.01000	-.00261		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00237**	**-.00491**	**.00145**	F **.00182**	**.00350**	**.00021**	**-.00026**	**.02774**	**.00018**	**.00341**	**-.00057**
Stddev	.00105	.01703	.00051	.00002	.00046	.00021	.00021	.00850	.00030	.00000	.00101
%RSD	44.264	347.01	35.126	1.2486	13.167	98.154	81.867	30.651	165.51	.10732	175.63
#1	-.00163	-.01695	.00109	.00180	.00382	.00006	-.00011	.02172	-.00003	.00341	-.00129
#2	-.00311	.00714	.00180	.00184	.00317	.00036	-.00041	.03375	.00039	.00341	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00060							
Low Limit				-.00060							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5193.5**	**89845.**	**6550.1**
Stddev	3.2	340.	10.5
%RSD	.06202	.37875	.16081
#1	5191.2	89604.	6557.6
#2	5195.8	90085.	6542.7

Sample Name: CCVL2994499 Acquired: 11/18/2014 3:56:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01215**	**.10501**	W **.01183**	**.11005**	**.01081**	**.00100**	W **.12123**	**.19915**	**.00524**	**.01043**	**.00983**	**.01518**
Stddev	.00048	.00021	.00106	.00049	.00028	.00003	.00234	.00036	.00014	.00028	.00016	.00002
%RSD	3.9882	.19899	8.9343	.44269	2.5958	3.0808	1.9309	.18307	2.6657	2.6830	1.5944	.14212
#1	.01181	.10515	.01258	.10970	.01062	.00097	.12289	.19890	.00514	.01063	.00971	.01519
#2	.01250	.10486	.01109	.11039	.01101	.00102	.11958	.19941	.00534	.01023	.00994	.01516
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000		.01500				.10000					
Range	20.000%		-20.000%				20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10229**	**3.3553**	**.01032**	**.21052**	**.01039**	**.02146**	F **2.3301**	**.04053**	**2.8870**	**.00996**	**.02396**	W **.01271**
Stddev	.00142	.0181	.00272	.00079	.00001	.00020	.0029	.00049	.0021	.00248	.00068	.00054
%RSD	1.3909	.53943	26.388	.37622	.09769	.92245	.12214	1.1992	.07092	24.917	2.8382	4.2819
#1	.10330	3.3425	.00839	.20996	.01038	.02132	2.3321	.04087	2.8884	.01172	.02445	.01233
#2	.10129	3.3681	.01224	.21108	.01040	.02160	2.3281	.04019	2.8855	.00821	.02348	.01310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn
Value							1.0000					.01000
Range							30.000%					20.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01518**	**.47204**	**.10715**	**.00995**	**.01732**	**.01036**	**.01647**	W **.07503**	**.00987**	**.01981**	**.01450**
Stddev	.00007	.02613	.00082	.00002	.00226	.00000	.00186	.02853	.00001	.00045	.00117
%RSD	.45851	5.5351	.76545	.18738	13.022	.01712	11.268	38.026	.11383	2.2716	8.0908
#1	.01523	.45356	.10773	.00996	.01573	.01036	.01779	.09521	.00986	.01949	.01533
#2	.01513	.49051	.10657	.00994	.01892	.01036	.01516	.05486	.00987	.02012	.01367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5186.4**	**89814.**	**6615.1**
Stddev	3.8	75.	14.5
%RSD	.07360	.08328	.21933
#1	5183.7	89762.	6604.8
#2	5189.1	89867.	6625.3

Sample Name: MB 280-252086/1-A Acquired: 11/18/2014 3:59:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**-.00441**	**-.00010**	W **.00597**	**.00050**	**.00001**	**-.00231**	**-.00341**	**.00027**
Stddev	.00022	.00079	.00261	.00008	.00002	.00000	.00260	.00145	.00005
%RSD	13.215	17.953	2654.8	1.3512	4.8213	67.385	112.37	42.687	17.235
#1	.00154	-.00385	-.00195	.00591	.00052	.00001	-.00415	-.00444	.00023
#2	.00186	-.00496	.00175	.00603	.00049	.00000	-.00048	-.00238	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500					
Low Limit				-.00500					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00035**	**-.00043**	**.00603**	**.23317**	**-.00030**	**.00453**	**.00009**	**.00023**
Stddev	.00008	.00021	.00002	.00200	.00272	.00232	.00270	.00004	.00002
%RSD	85.361	61.102	5.4158	33.237	1.1648	768.18	59.676	41.179	9.0142
#1	-.00015	-.00049	-.00041	.00745	.23125	-.00195	.00262	.00006	.00024
#2	-.00004	-.00020	-.00044	.00461	.23509	.00134	.00645	.00011	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1525**	**-.00064**	W **.00664**	**-.00032**	**.02848**	**.00013**	**-.00193**	**-.00901**	**.00018**
Stddev	.0070	.00006	.00322	.00007	.00199	.00187	.00098	.01816	.00021
%RSD	.60965	9.4413	48.482	23.574	6.9942	1424.0	50.612	201.55	118.10
#1	1.1475	-.00068	.00436	-.00026	.02707	.00145	-.00124	.00383	.00003
#2	1.1575	-.00060	.00891	-.00037	.02989	-.00119	-.00262	-.02185	.00032
Check ?	Chk Fail	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		.00500						
Low Limit	-1.0000		-.00500						

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00279**	**.00056**	**-.00135**	**.00248**	**.00001**	**.00004**	**.00006**
Stddev	.00007	.00143	.00003	.00035	.02443	.00005	.00030	.00043
%RSD	527.36	51.256	5.4645	25.871	985.12	451.51	825.82	750.27
#1	.00004	.00178	.00058	-.00160	-.01480	.00005	-.00018	.00036
#2	-.00007	.00380	.00053	-.00110	.01976	-.00003	.00025	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5215.6**	**90240.**	**6680.8**
Stddev	6.8	163.	38.3
%RSD	.12952	.18058	.57274
#1	5220.4	90125.	6707.9
#2	5210.9	90355.	6653.8

Sample Name: LCS 280-252086/2-A Acquired: 11/18/2014 4:01:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05948**	**2.0909**	**1.0343**	F **1.1153**	**2.1154**	**.05140**	F **2.3863**	**52.160**	**.09939**
Stddev	.00005	.0065	.0026	.0030	.0010	.00005	.0123	.017	.00027
%RSD	.08435	.30972	.25326	.27003	.04987	.10257	.51335	.03215	.26992
#1	.05945	2.0955	1.0362	1.1132	2.1147	.05136	2.3776	52.172	.09920
#2	.05952	2.0864	1.0325	1.1175	2.1162	.05144	2.3949	52.148	.09958
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750			1.1000			2.2000		
Low Limit	.04300			.89000			1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51068**	**.20253**	**.25473**	**1.0135**	**52.889**	**1.0541**	**49.524**	**.50461**	F **1.1476**
Stddev	.00036	.00012	.00609	.0038	.016	.0014	1.109	.01130	.0004
%RSD	.07096	.05825	2.3925	.37835	.03110	.13272	2.2402	2.2390	.03879
#1	.51093	.20262	.25042	1.0108	52.877	1.0532	48.740	.49663	1.1473
#2	.51042	.20245	.25904	1.0162	52.900	1.0551	50.309	.51260	1.1479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.191**	**.50228**	**10.698**	**.53035**	**2.2348**	F **.56993**	F **2.3065**	**10.111**	**2.1754**
Stddev	.152	.00019	.017	.00049	.0088	.00331	.0052	.037	.0004
%RSD	.27029	.03799	.15726	.09166	.39460	.58115	.22427	.36569	.02036
#1	56.084	.50214	10.686	.53001	2.2286	.56759	2.3102	10.137	2.1757
#2	56.299	.50241	10.710	.53069	2.2411	.57227	2.3029	10.085	2.1750
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	56.000					.54000	2.2000		
Low Limit	45.500					.44000	1.8000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0167**	**.97412**	**1.0228**	**2.1422**	**2.0510**	**.51613**	**.48392**	**.50360**
Stddev	.0009	.02283	.0222	.0039	.0351	.01189	.01022	.00426
%RSD	.08962	2.3439	2.1681	.18080	1.7112	2.3041	2.1114	.84547
#1	1.0161	.95797	1.0071	2.1449	2.0262	.50772	.47669	.50661
#2	1.0174	.99026	1.0385	2.1394	2.0758	.52453	.49114	.50059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5012.9**	**86888.**	**6605.0**
Stddev	30.3	1222.	8.3
%RSD	.60350	1.4059	.12548
#1	4991.5	87751.	6599.1
#2	5034.3	86024.	6610.9

Sample Name: 280-62258-D-3-A Acquired: 11/18/2014 4:04:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**-.01026**	**.00046**	**.04295**	**.04384**	**-.00005**	**-.00627**	**225.88**	**.00017**
Stddev	.00026	.00041	.00086	.00004	.00005	.00008	.00426	.10	.00001
%RSD	21.410	3.9821	188.17	.10362	.12296	154.30	67.944	.04381	8.5144
#1	.00101	-.01054	-.00015	.04292	.04381	-.00010	-.00326	225.81	.00016
#2	.00138	-.00997	.00107	.04298	.04388	.00000	-.00928	225.95	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00056**	**.00112**	**.00964**	**5.1649**	**.01981**	**19.949**	**.00045**	**.00116**
Stddev	.00020	.00023	.00013	.00170	.0180	.00131	.004	.00000	.00008
%RSD	252.26	40.414	11.354	17.670	.34871	6.6230	.01869	.59291	7.1514
#1	.00006	.00072	.00121	.00844	5.1776	.01889	19.946	.00046	.00110
#2	-.00022	.00040	.00103	.01085	5.1522	.02074	19.952	.00045	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**133.04**	**.00125**	**.04023**	**.00061**	**118.92**	**.00235**	**-.00267**	**12.176**	**-.00019**
Stddev	.19	.00019	.00181	.00027	.01	.00283	.00484	.005	.00086
%RSD	.13944	15.036	4.4866	44.417	.01106	120.39	180.91	.04240	456.07
#1	133.17	.00138	.04151	.00080	118.93	.00435	.00075	12.173	.00042
#2	132.91	.00111	.03896	.00042	118.91	.00035	-.00609	12.180	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5485**	**.00462**	**.00098**	**.00236**	**.02175**	**.00080**	**.00137**	**.00003**
Stddev	.0034	.00111	.00011	.00060	.01796	.00033	.00043	.00149
%RSD	.13366	23.993	11.769	25.330	82.562	41.148	31.003	5101.8
#1	2.5461	.00540	.00090	.00194	.03445	.00104	.00167	-.00103
#2	2.5509	.00383	.00106	.00278	.00905	.00057	.00107	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4892.6**	**84493.**	**6589.8**
Stddev	3.4	239.	11.1
%RSD	.06897	.28326	.16822
#1	4890.2	84662.	6597.7
#2	4895.0	84323.	6582.0

Sample Name: 280-62258-D-3-A SD@5 Acquired: 11/18/2014 4:06:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**-.00560**	**.00119**	**.01283**	**.00939**	**.00004**	**-.00266**	**45.526**	**.00013**
Stddev	.00017	.00181	.00048	.00057	.00021	.00001	.00192	.092	.00002
%RSD	12.492	32.368	39.885	4.4787	2.2104	20.388	72.127	.20155	18.389
#1	.00151	-.00432	.00153	.01324	.00953	.00005	-.00402	45.591	.00011
#2	.00126	-.00688	.00086	.01243	.00924	.00004	-.00131	45.461	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00014**	**-.00058**	**.01390**	**1.2179**	**.00478**	**4.1492**	**.00017**	**.00040**
Stddev	.00026	.00013	.00023	.00301	.0419	.00188	.0048	.00001	.00033
%RSD	171.38	89.068	39.749	21.616	3.4422	39.245	.11622	5.4897	83.256
#1	-.00003	.00023	-.00042	.01178	1.1882	.00611	4.1526	.00016	.00064
#2	.00033	.00005	-.00074	.01603	1.2475	.00345	4.1458	.00017	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.443**	**.00014**	**.01512**	**-.00051**	**23.001**	**-.00061**	**-.00460**	**2.3877**	**-.00047**
Stddev	.107	.00015	.00217	.00057	.024	.00207	.00195	.0025	.00066
%RSD	.39077	109.31	14.362	111.16	.10285	341.91	42.407	.10374	139.18
#1	27.519	.00003	.01665	-.00091	23.017	.00086	-.00322	2.3895	-.00001
#2	27.367	.00025	.01358	-.00011	22.984	-.00207	-.00598	2.3860	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50964**	**.00528**	**.00043**	**.00179**	**-.00373**	**-.00009**	**-.00038**	**.00057**
Stddev	.00063	.00182	.00006	.00210	.00217	.00053	.00003	.00037
%RSD	.12372	34.384	13.301	117.21	58.102	579.76	7.2382	65.681
#1	.51009	.00400	.00047	.00328	-.00526	-.00047	-.00040	.00030
#2	.50920	.00656	.00039	.00031	-.00220	.00028	-.00036	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5126.2**	**88029.**	**6631.4**
Stddev	.8	42.	15.3
%RSD	.01538	.04823	.23015
#1	5126.7	88059.	6620.6
#2	5125.6	87999.	6642.2

Sample Name: 280-62258-D-3-B MS Acquired: 11/18/2014 4:09:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06176**	**2.0677**	**1.0941**	**1.1775**	**2.2302**	**.05238**	**2.4163**	**275.63**	**.10281**
Stddev	.00043	.0054	.0032	.0007	.0046	.00012	.0010	.20	.00039
%RSD	.69795	.26182	.29616	.05833	.20461	.22432	.04292	.07403	.37893
#1	.06206	2.0715	1.0964	1.1770	2.2334	.05246	2.4156	275.78	.10309
#2	.06145	2.0638	1.0918	1.1780	2.2269	.05230	2.4171	275.49	.10254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51499**	**.20830**	**.26793**	**1.0254**	**60.132**	**1.1222**	**69.888**	**.52065**	**1.1890**
Stddev	.00017	.00038	.00053	.0055	.037	.0011	.001	.00056	.0015
%RSD	.03387	.18400	.19653	.53109	.06223	.10029	.00107	.10710	.13022
#1	.51512	.20802	.26831	1.0216	60.159	1.1230	69.888	.52025	1.1901
#2	.51487	.20857	.26756	1.0293	60.106	1.1214	69.889	.52104	1.1879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**188.83**	**.50743**	**11.378**	**.52883**	**122.93**	**.59024**	**2.3819**	**22.633**	**2.2091**
Stddev	.80	.00025	.005	.00343	.06	.00121	.0051	.031	.0015
%RSD	.42131	.05014	.04406	.64897	.04753	.20555	.21230	.13766	.06645
#1	189.39	.50761	11.382	.52640	122.89	.58939	2.3783	22.655	2.2102
#2	188.27	.50725	11.375	.53125	122.97	.59110	2.3855	22.611	2.2081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5961**	**1.0196**	**1.0681**	**2.0415**	**2.1602**	**.53967**	**.49359**	**.51648**
Stddev	.0053	.0049	.0024	.0014	.0117	.00143	.00277	.00358
%RSD	.14838	.47961	.22344	.06971	.53991	.26516	.56084	.69389
#1	3.5999	1.0231	1.0664	2.0425	2.1519	.53866	.49163	.51902
#2	3.5924	1.0162	1.0698	2.0405	2.1684	.54068	.49554	.51395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4770.9**	**82837.**	**6544.7**
Stddev	1.5	65.	10.0
%RSD	.03090	.07858	.15266
#1	4769.9	82883.	6537.7
#2	4772.0	82791.	6551.8

Sample Name: 280-62258-D-3-C MSD Acquired: 11/18/2014 4:12:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05686**	**1.9040**	**.99375**	**1.0802**	**2.0404**	**.04777**	**2.2116**	**256.54**	**.09365**
Stddev	.00016	.0010	.00168	.0017	.0042	.00012	.0055	.05	.00007
%RSD	.28590	.05179	.16867	.15624	.20735	.25260	.24923	.01807	.07052
#1	.05697	1.9033	.99493	1.0814	2.0434	.04785	2.2155	256.57	.09370
#2	.05674	1.9047	.99256	1.0790	2.0374	.04768	2.2077	256.51	.09360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47200**	**.19056**	**.24496**	**.94144**	**55.072**	**1.0259**	**64.568**	**.47662**	**1.0821**
Stddev	.00050	.00040	.00014	.00218	.090	.0008	.097	.00052	.0018
%RSD	.10509	.21201	.05619	.23178	.16253	.07632	.15011	.10823	.16443
#1	.47165	.19085	.24486	.93990	55.136	1.0264	64.500	.47626	1.0833
#2	.47235	.19028	.24506	.94298	55.009	1.0253	64.637	.47699	1.0808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.57**	**.46404**	**10.387**	**.48205**	**114.81**	**.53700**	**2.1801**	**20.954**	**2.0211**
Stddev	.04	.00082	.022	.00183	.21	.00009	.0022	.010	.0022
%RSD	.02234	.17706	.21190	.38027	.17861	.01661	.09893	.04977	.10682
#1	175.54	.46463	10.403	.48334	114.95	.53706	2.1786	20.961	2.0226
#2	175.60	.46346	10.372	.48075	114.66	.53694	2.1816	20.946	2.0195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3432**	**.93206**	**.97712**	**1.8771**	**1.9766**	**.49295**	**.45359**	**.47223**
Stddev	.0086	.00249	.00125	.0043	.0148	.00007	.00123	.00195
%RSD	.25611	.26681	.12797	.22889	.74830	.01354	.27225	.41244
#1	3.3492	.93381	.97623	1.8802	1.9661	.49300	.45272	.47360
#2	3.3371	.93030	.97800	1.8741	1.9871	.49291	.45447	.47085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4806.2**	**83113.**	**6538.8**
Stddev	6.0	438.	4.3
%RSD	.12413	.52687	.06648
#1	4802.0	83423.	6535.7
#2	4810.4	82803.	6541.9

Sample Name: ccvh-2982968 Acquired: 11/18/2014 4:14:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**50.334**	**-.00352**	**.00919**	**.00149**	**-.00001**	**1.0881**	**.04456**	**-.00038**	**.00188**	**.00016**	**-.00407**	**47.702**
Stddev	.00012	.164	.00102	.00050	.00043	.00002	.0076	.00532	.00003	.00017	.00003	.00017	.136
%RSD	1.6912	.32647	28.819	5.4709	29.051	151.44	.70035	11.938	7.5967	8.9960	16.558	4.0960	.28481
#1	.00679	50.451	-.00281	.00954	.00180	-.00002	1.0827	.04832	-.00040	.00176	.00014	-.00396	47.798
#2	.00695	50.218	-.00424	.00883	.00119	.00000	1.0935	.04080	-.00036	.00200	.00018	-.00419	47.606
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24707**	**.00197**	**.13324**	**-.00296**	**-.00098**	**257.79**	**.00091**	**.00793**	**.00223**	**5.2356**	**-.00089**	**-.00263**	**-.00805**
Stddev	.00510	.00139	.00385	.00006	.00020	.48	.00019	.00203	.00139	.0039	.00068	.00056	.02099
%RSD	2.0654	70.233	2.8919	1.8676	20.707	.18784	21.350	25.651	62.498	.07389	76.197	21.421	260.75
#1	.25068	.00099	.13596	-.00300	-.00112	258.13	.00104	.00937	.00321	5.2384	-.00041	-.00223	-.02289
#2	.24347	.00295	.13051	-.00292	-.00083	257.45	.00077	.00649	.00124	5.2329	-.00137	-.00303	.00679
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00207**	**.00141**	**4.6415**	**-.02033**	**.00095**	**9.6942**	**.00337**	**-.00116**	**-.03757**
Stddev	.00174	.00011	.0016	.00008	.00092	.0219	.00002	.00028	.00007
%RSD	84.176	7.5255	.03502	.37884	97.024	.22579	.53799	23.975	.19213
#1	.00084	.00134	4.6403	-.02027	.00161	9.7096	.00336	-.00135	-.03752
#2	.00331	.00149	4.6426	-.02038	.00030	9.6787	.00339	-.00096	-.03762
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5020.0**	**85540.**	**6614.5**
Stddev	6.2	31.	46.4
%RSD	.12417	.03617	.70092
#1	5024.4	85561.	6581.7
#2	5015.6	85518.	6647.3

Sample Name: ccv-2984587 Acquired: 11/18/2014 4:17:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52281**	**.52166**	**.98620**	**.52098**	**.50400**	**.48720**	**.01047**	**4.9649**	**.50107**	**.49625**	**.48588**	**.49658**
Stddev	.00067	.00263	.00363	.00277	.00003	.00088	.00017	.0053	.00121	.00007	.00008	.00059
%RSD	.12895	.50478	.36782	.53075	.00564	.18082	1.6696	.10595	.24200	.01385	.01566	.11831
#1	.52328	.52352	.98877	.51902	.50402	.48782	.01034	4.9686	.50022	.49620	.48593	.49699
#2	.52233	.51980	.98364	.52293	.50398	.48657	.01059	4.9611	.50193	.49630	.48583	.49616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4216**	**49.731**	**1.0052**	**19.320**	**.49545**	**.52437**	F **5.9791**	**.49122**	**.98389**	**1.0163**	**.01769**	**1.0500**
Stddev	.0132	.096	.0015	.011	.00012	.00163	.0277	.00028	.00567	.0023	.00641	.0050
%RSD	.54339	.19329	.14666	.05759	.02391	.31166	.46310	.05673	.57602	.22652	36.226	.47869
#1	2.4309	49.799	1.0063	19.328	.49553	.52321	5.9987	.49102	.97988	1.0147	.02223	1.0465
#2	2.4123	49.663	1.0042	19.312	.49536	.52552	5.9595	.49141	.98790	1.0179	.01316	1.0536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0677**	**4.7652**	**1.0374**	**.48638**	**.02856**	**.49794**	**1.0473**	**-.01198**	**.49420**	**.47439**	**.48523**
Stddev	.0039	.0207	.0001	.00022	.00080	.00091	.0003	.01630	.00004	.00073	.00014
%RSD	.36108	.43423	.01049	.04609	2.7865	.18255	.03000	136.07	.00797	.15455	.02977
#1	1.0649	4.7506	1.0373	.48654	.02800	.49730	1.0475	-.00045	.49423	.47387	.48533
#2	1.0704	4.7798	1.0375	.48622	.02912	.49858	1.0471	-.02350	.49417	.47491	.48513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5127.0**	**87369.**	**6594.7**
Stddev	6.3	86.	1.3
%RSD	.12199	.09861	.02035
#1	5131.5	87308.	6595.6
#2	5122.6	87430.	6593.7

Sample Name: CCB Acquired: 11/18/2014 4:19:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00156**	**-.00408**	**-.00140**	F **.00485**	**.00045**	**.00012**	**-.00007**	**.00599**	**.00037**	**-.00019**	**-.00012**	**-.00043**
Stddev	.00022	.00073	.00247	.00053	.00002	.00011	.00015	.00173	.00014	.00023	.00013	.00037
%RSD	14.360	17.795	176.01	10.982	4.1701	89.917	224.97	28.853	37.331	118.05	113.24	88.034
#1	.00140	-.00356	-.00314	.00523	.00044	.00019	-.00018	.00477	.00047	-.00003	-.00002	-.00016
#2	.00172	-.00459	.00034	.00447	.00046	.00004	.00004	.00722	.00028	-.00035	-.00021	-.00069
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**.22298**	**.00117**	**.00722**	**.00012**	**.00045**	F **.82393**	**-.00055**	**.00589**	**.00118**	**.01950**	**-.00010**
Stddev	.00063	.04401	.00018	.00167	.00006	.00008	.00050	.00029	.00021	.00094	.00096	.00173
%RSD	12.661	19.736	15.342	23.083	50.947	18.367	.06047	52.388	3.5974	79.179	4.9307	1669.0
#1	.00540	.25410	.00104	.00840	.00007	.00051	.82428	-.00076	.00603	.00052	.02018	.00112
#2	.00451	.19186	.00130	.00605	.00016	.00039	.82357	-.00035	.00574	.00185	.01882	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00493**	**-.00797**	**.00036**	**.00027**	**.00392**	**.00020**	**-.00301**	**.01808**	**-.00036**	**-.00035**	**-.00062**
Stddev	.00426	.01132	.00024	.00000	.00144	.00036	.00049	.01460	.00022	.00028	.00153
%RSD	86.382	142.05	67.746	.47303	36.840	179.32	16.139	80.769	60.838	80.688	248.17
#1	.00795	-.01597	.00053	.00027	.00290	.00046	-.00335	.02840	-.00020	-.00055	-.00170
#2	.00192	.00004	.00019	.00027	.00494	-.00005	-.00267	.00775	-.00051	-.00015	.00046
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486										
Low Limit	-.00486										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5183.7**	**89048.**	**6538.6**
Stddev	11.5	11.	20.9
%RSD	.22202	.01231	.31930
#1	5191.9	89055.	6523.8
#2	5175.6	89040.	6553.4

Sample Name: CCVL2994499 Acquired: 11/18/2014 4:22:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01217**	**.10460**	W **.01176**	**.10869**	**.01096**	**.00108**	W **.12289**	**.20429**	**.00537**	**.01045**	**.01008**	**.01580**
Stddev	.00005	.00008	.00102	.00066	.00016	.00006	.00146	.00137	.00004	.00004	.00011	.00006
%RSD	.39897	.07576	8.6716	.61143	1.4781	5.5767	1.1898	.67094	.80531	.41619	1.1156	.39902
#1	.01220	.10454	.01104	.10916	.01085	.00112	.12186	.20525	.00540	.01042	.01000	.01575
#2	.01213	.10466	.01248	.10822	.01108	.00104	.12392	.20332	.00534	.01048	.01016	.01584
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000		.01500				.10000					
Range	20.000%		-20.000%				20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09949**	**3.3484**	**.01153**	**.21425**	**.01046**	**.02133**	F **1.8719**	**.04144**	**2.9174**	**.00982**	**.01520**	**.01120**
Stddev	.00100	.0325	.00016	.00376	.00004	.00019	.0166	.00028	.0079	.00012	.00031	.00011
%RSD	1.0029	.97168	1.3469	1.7559	.39587	.87500	.88721	.67632	.27100	1.2643	2.0433	.97919
#1	.10020	3.3254	.01142	.21159	.01043	.02120	1.8601	.04124	2.9230	.00990	.01498	.01112
#2	.09879	3.3714	.01164	.21692	.01049	.02147	1.8836	.04164	2.9118	.00973	.01542	.01128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01440**	**.49299**	**.10703**	**.01023**	**.01741**	**.01039**	**.01684**	F **.09002**	**.00992**	**.01952**	**.01473**
Stddev	.00231	.00695	.00134	.00004	.00215	.00021	.00027	.01450	.00029	.00078	.00011
%RSD	16.014	1.4097	1.2548	.43102	12.340	2.0509	1.6243	16.104	2.9116	3.9956	.73626
#1	.01604	.48807	.10798	.01020	.01893	.01023	.01703	.10027	.01012	.01897	.01466
#2	.01277	.49790	.10608	.01026	.01589	.01054	.01665	.07977	.00971	.02007	.01481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5211.2**	**89365.**	**6588.4**
Stddev	12.3	202.	2.6
%RSD	.23640	.22638	.04005
#1	5219.9	89222.	6586.6
#2	5202.5	89508.	6590.3

Sample Name: 280-62258-D-4-A Acquired: 11/18/2014 4:25:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.01459**	**.00284**	**.05539**	**.01713**	**.00004**	**-.00569**	**300.89**	**.00056**
Stddev	.00003	.00043	.00135	.00011	.00026	.00004	.00349	.63	.00012
%RSD	4.8550	2.9217	47.587	.19281	1.5336	97.047	61.312	.20949	20.759
#1	.00061	-.01489	.00380	.05531	.01732	.00001	-.00323	301.33	.00065
#2	.00057	-.01429	.00189	.05546	.01694	.00007	-.00816	300.44	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00068**	**.00089**	**.00263**	**6.6494**	**.01057**	**52.109**	**.02762**	**.00050**
Stddev	.00000	.00015	.00005	.00217	.0106	.00328	.282	.00017	.00008
%RSD	4.8343	21.622	5.5868	82.567	.15882	31.045	.54214	.60800	16.053
#1	.00011	.00078	.00086	.00417	6.6419	.01290	51.909	.02750	.00044
#2	.00010	.00057	.00093	.00110	6.6568	.00825	52.308	.02774	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**250.89**	**.00060**	**.00278**	**-.00054**	**346.46**	**-.00109**	**.07844**	**4.2395**	**-.00078**
Stddev	.78	.00010	.00156	.00082	.21	.00124	.00809	.0257	.00080
%RSD	.31144	15.816	56.168	152.19	.05924	113.14	10.307	.60557	102.45
#1	251.45	.00067	.00389	.00004	346.61	-.00022	.08416	4.2576	-.00022
#2	250.34	.00054	.00168	-.00112	346.32	-.00197	.07273	4.2213	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6239**	**.00283**	**.00066**	**.00211**	**.02424**	**.00070**	**.01006**	**.00012**
Stddev	.0212	.00003	.00009	.00101	.02862	.00034	.00065	.00024
%RSD	.32053	1.0073	13.013	48.004	118.07	47.866	6.4237	203.02
#1	6.6389	.00281	.00072	.00283	.00400	.00094	.00960	-.00005
#2	6.6089	.00285	.00060	.00140	.04447	.00047	.01051	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4746.3**	**81558.**	**6472.0**
Stddev	4.8	330.	37.0
%RSD	.10090	.40506	.57215
#1	4749.6	81792.	6445.8
#2	4742.9	81324.	6498.2

Sample Name: 280-62258-D-5-A Acquired: 11/18/2014 4:27:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**-.00928**	**-.00018**	**.09234**	**.11869**	**.00004**	**-.00639**	**190.98**	**.00054**
Stddev	.00024	.00092	.00164	.00040	.00017	.00003	.00116	.33	.00019
%RSD	18.373	9.9470	900.02	.43418	.14053	67.815	18.199	.17450	35.742
#1	.00113	-.00863	-.00135	.09262	.11881	.00007	-.00721	191.21	.00068
#2	.00147	-.00994	.00098	.09205	.11857	.00002	-.00557	190.74	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00003**	**.00057**	**.00952**	**3.0617**	**.00736**	**31.891**	**.02178**	**.00047**
Stddev	.00004	.00015	.00060	.00043	.0196	.00016	.060	.00014	.00008
%RSD	62.842	538.87	106.48	4.5686	.63859	2.1780	.18698	.63119	17.367
#1	.00008	-.00013	.00099	.00921	3.0755	.00724	31.848	.02169	.00041
#2	.00003	.00008	.00014	.00983	3.0479	.00747	31.933	.02188	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**63.405**	**.00047**	**.00732**	**.00080**	**88.940**	**.00157**	**-.00159**	**9.6111**	**-.00031**
Stddev	.242	.00043	.00108	.00015	.073	.00109	.00268	.0061	.00004
%RSD	.38123	91.174	14.779	18.288	.08253	69.218	168.41	.06325	13.868
#1	63.576	.00017	.00655	.00070	88.888	.00233	-.00349	9.6068	-.00028
#2	63.234	.00077	.00808	.00091	88.992	.00080	.00030	9.6154	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7481**	**.00288**	**.00050**	**.00201**	**.02374**	**.00047**	**.00073**	**-.00051**
Stddev	.0290	.00026	.00033	.00158	.01362	.00027	.00025	.00073
%RSD	.77428	9.0965	65.044	78.638	57.378	58.355	34.640	144.78
#1	3.7686	.00306	.00027	.00313	.03337	.00066	.00091	.00001
#2	3.7276	.00269	.00074	.00089	.01411	.00028	.00055	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4843.7**	**83506.**	**6427.1**
Stddev	1.2	266.	9.7
%RSD	.02452	.31801	.15124
#1	4842.9	83693.	6434.0
#2	4844.6	83318.	6420.2

Sample Name: 280-62258-D-6-A Acquired: 11/18/2014 4:30:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00868**	**-.00175**	**.08665**	**.01774**	**.00006**	**-.00791**	**297.86**	**.00042**
Stddev	.00011	.00024	.00183	.00049	.00005	.00003	.00008	1.29	.00010
%RSD	14.621	2.7132	104.47	.56172	.28187	51.048	1.0271	.43163	22.905
#1	.00080	-.00884	-.00046	.08699	.01770	.00004	-.00786	298.77	.00035
#2	.00065	-.00851	-.00304	.08631	.01777	.00008	-.00797	296.95	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00003**	**.00090**	**.00316**	**4.2373**	**.02120**	**48.234**	**.00070**	**.00025**
Stddev	.00005	.00002	.00022	.00196	.0040	.00131	.054	.00000	.00050
%RSD	1375.7	63.170	24.952	61.908	.09481	6.1863	.11254	.60733	195.45
#1	.00004	.00004	.00106	.00178	4.2345	.02027	48.272	.00070	-.00010
#2	-.00003	.00001	.00074	.00455	4.2402	.02213	48.195	.00070	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**275.11**	**.00083**	**.00439**	**-.00033**	**295.86**	**.00065**	**-.00072**	**11.173**	**-.00065**
Stddev	.52	.00031	.00060	.00079	.60	.00086	.00702	.073	.00066
%RSD	.19018	37.488	13.589	240.33	.20335	133.67	979.11	.65354	102.05
#1	275.48	.00061	.00397	.00023	296.29	.00126	.00425	11.225	-.00111
#2	274.74	.00105	.00482	-.00089	295.43	.00004	-.00568	11.122	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0659**	**.00213**	**.00053**	**-.00003**	**.04990**	**.00034**	**.00122**	**.00293**
Stddev	.0028	.00174	.00023	.00009	.02391	.00006	.00020	.00046
%RSD	.04639	81.732	43.046	281.80	47.916	18.883	16.325	15.809
#1	6.0639	.00090	.00069	.00003	.03299	.00038	.00108	.00326
#2	6.0679	.00335	.00037	-.00010	.06680	.00029	.00136	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4718.7**	**80409.**	**6347.8**
Stddev	.8	198.	9.1
%RSD	.01787	.24594	.14370
#1	4719.3	80269.	6341.3
#2	4718.1	80549.	6354.2

Sample Name: 280-62258-D-7-A Acquired: 11/18/2014 4:33:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.02011**	**-.00150**	**.05000**	**.01089**	**.00001**	**-.00495**	**313.30**	**.00060**
Stddev	.00054	.00045	.00344	.00021	.00014	.00004	.00048	1.18	.00040
%RSD	174.74	2.2480	229.76	.41846	1.2479	404.62	9.7739	.37576	67.303
#1	-.00007	-.01979	-.00393	.04985	.01079	-.00002	-.00529	314.14	.00089
#2	.00069	-.02043	.00094	.05015	.01098	.00004	-.00460	312.47	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00001**	**.00130**	**.00635**	**7.0857**	**.01604**	**85.312**	**.00017**	**.00045**
Stddev	.00036	.00016	.00018	.00059	.0399	.00155	.046	.00002	.00020
%RSD	76.386	1228.2	14.196	9.3233	.56354	9.6649	.05429	13.284	45.199
#1	.00022	-.00010	.00117	.00677	7.1139	.01494	85.279	.00019	.00060
#2	.00073	.00013	.00143	.00593	7.0574	.01714	85.344	.00015	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **603.94**	**.00042**	**.00168**	**-.00083**	**606.22**	**.00259**	**.09753**	**5.1850**	**-.00218**
Stddev	.77	.00001	.00006	.00026	.33	.00144	.00445	.0170	.00013
%RSD	.12761	3.0025	3.8595	31.596	.05460	55.783	4.5588	.32741	5.7579
#1	604.48	.00043	.00172	-.00102	606.45	.00157	.09438	5.1730	-.00227
#2	603.39	.00041	.00163	-.00065	605.98	.00360	.10067	5.1970	-.00209
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.8425**	**.00210**	**.00049**	**.00201**	**.05179**	**.00113**	**.00159**	**-.00081**
Stddev	.0562	.00268	.00011	.00219	.00090	.00067	.00024	.00018
%RSD	.82118	127.39	22.940	109.02	1.7321	59.472	15.101	22.810
#1	6.8823	.00400	.00041	.00355	.05242	.00065	.00142	-.00094
#2	6.8028	.00021	.00057	.00046	.05115	.00160	.00176	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4617.5**	**78039.**	**6330.5**
Stddev	7.1	107.	23.5
%RSD	.15307	.13749	.37105
#1	4622.5	77963.	6313.9
#2	4612.5	78115.	6347.2

Sample Name: 280-62258-D-8-A Acquired: 11/18/2014 4:36:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252086 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**-.01361**	**-.00050**	**.05561**	**.04636**	**-.00007**	**-.00851**	**300.95**	**.00034**
Stddev	.00063	.00026	.00367	.00058	.00027	.00005	.00081	1.13	.00000
%RSD	54.294	1.8976	738.93	1.0387	.59239	72.964	9.5111	.37613	1.0795
#1	.00071	-.01380	.00210	.05602	.04616	-.00003	-.00794	301.75	.00034
#2	.00161	-.01343	-.00309	.05520	.04655	-.00010	-.00908	300.15	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00020**	**.00064**	**.00710**	**3.1132**	**.02329**	**33.032**	**.00264**	**.00134**
Stddev	.00017	.00017	.00001	.00180	.0069	.00027	.010	.00002	.00006
%RSD	117.27	86.287	2.2667	25.319	.22275	1.1410	.02882	.93504	4.5879
#1	.00003	.00008	.00065	.00838	3.1082	.02310	33.038	.00263	.00130
#2	.00027	.00032	.00063	.00583	3.1181	.02347	33.025	.00266	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**155.73**	**.00100**	**.02107**	**.00064**	**209.15**	**.00382**	**-.00393**	**10.883**	**-.00073**
Stddev	.58	.00017	.00274	.00107	.07	.00252	.00634	.002	.00035
%RSD	.36987	16.768	13.011	167.31	.03132	66.052	161.42	.02072	48.165
#1	156.14	.00112	.01913	.00139	209.19	.00203	.00056	10.885	-.00098
#2	155.32	.00088	.02301	-.00012	209.10	.00560	-.00841	10.881	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0552**	**.00423**	**.00070**	**.00286**	**.03597**	**.00051**	**.00170**	**.00039**
Stddev	.0388	.00127	.00042	.00036	.00797	.00040	.00037	.00223
%RSD	.76651	29.961	59.652	12.714	22.159	78.758	21.636	567.58
#1	5.0826	.00334	.00040	.00261	.04161	.00080	.00196	.00197
#2	5.0278	.00513	.00100	.00312	.03034	.00023	.00144	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4731.0**	**81409.**	**6309.2**
Stddev	.4	61.	.4
%RSD	.00848	.07549	.00594
#1	4730.8	81366.	6308.9
#2	4731.3	81453.	6309.4

Sample Name: ccvh-2982968 Acquired: 11/18/2014 4:39:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00113**	**-.01779**	k **.00277**	**.01114**	**.00620**	k **.00001**	kF **.00509**	^ *****	k **.00004**	k **-.00016**	k **.00035**	k **-.00332**
Stddev	.00031	.00004	.00189	.00095	.00603	.00001	.00003	-----	.00005	.00009	.00009	.00041
%RSD	27.520	.23532	68.428	8.5631	97.346	53.640	.55592	-----	130.24	54.827	25.361	12.238
#1	.00135	-.01776	.00410	.01047	.00193	.00002	.00507	3.5053	.00008	-.00010	.00041	-.00360
#2	k .00091	-.01782	k .00143	.01182	.01046	k .00001	k .00511	^ -----	k .00000	k -.00022	k .00029	k -.00303
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							-10.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **.00005**	**.36292**	k **.00111**	^ *****	k **.00227**	**-.00014**	**3.8120**	**.00068**	**.00017**	k **.00021**	F **11.141**	k **.00097**
Stddev	.00167	.14843	.00029	-----	.00110	.00001	3.1575	.00016	.00197	.00037	.683	.00019
%RSD	3194.8	40.900	26.151	-----	48.410	5.0441	82.831	24.100	1170.3	178.23	6.1345	19.515
#1	-.00113	.25796	.00090	2.4020	.00149	-.00013	1.5793	.00080	-.00123	-.00005	10.658	.00083
#2	k .00123	.46787	k .00132	^ -----	k .00304	-.00014	6.0447	.00057	.00156	k .00047	11.625	k .00110
Check ?	Chk Fail	None	None	None	None	None	None	None	None	None	Chk Fail	None
Value	50.000										5.0000	
Range	-10.000%										10.000%	

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00460**	**.51451**	k **-.00061**	^ *****	kF **.00578**	k **.00084**	k **.00364**	kF **.02315**	k **-.00061**	k **-.00092**	k **.00082**
Stddev	.00115	.51288	.00037	-----	.00030	.00041	.00073	.01407	.00019	.00018	.00044
%RSD	25.090	99.683	60.503	-----	5.1213	48.322	20.155	60.772	30.493	19.603	53.940
#1	-.00378	.15185	-.00035	^ -----	.00557	.00055	.00416	.01320	-.00075	-.00105	.00113
#2	k -.00542	.87718	k -.00087	^ -----	k .00599	k .00113	k .00312	k .03309	k -.00048	k -.00079	k .00050
Check ?	None	None	None	None	Chk Fail	None	None	Chk Fail	None	None	None
Value					5.0000			10.000			
Range					-10.000%			-10.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8971.8**	**162240.**	**10642.**
Stddev	44.8	2797.	1495.
%RSD	.49894	1.7237	14.046
#1	9003.4	160270.	11699.
#2	8940.1	164220.	9584.8

Sample Name: ccv-2984587 Acquired: 11/18/2014 4:42:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **.00103**	F **-.01799**	kF **.00249**	F **.00924**	F **.00068**	kF **.00002**	k **.00527**	^F *****	kF **.00007**	kF **-.00009**	kF **.00034**
Stddev	.00027	.00059	.00137	.00188	.00130	.00005	.00041	-----	.00003	.00013	.00004
%RSD	26.217	3.3019	55.055	20.368	190.88	214.53	7.7993	-----	37.654	144.66	10.501
#1	.00122	-.01757	.00346	.01057	-.00024	.00005	.00498	1.8733	.00005	-.00018	.00036
#2	k .00084	-.01841	k .00152	.00791	.00160	k -.00001	k .00556	^ -----	k .00009	k .00000	k .00031
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **-.00322**	kF **.00010**	F **.41279**	kF **.00255**	^F *****	kF **.00010**	F **-.00014**	**15.210**	F **.00030**	F **-.00019**	kF **.00040**
Stddev	.00016	.00015	.22206	.00164	-----	.00002	.00027	17.186	.00012	.00022	.00026
%RSD	4.8616	152.36	53.796	64.230	-----	18.504	191.30	112.99	40.179	115.74	64.685
#1	-.00333	-.00001	.25577	.00139	7.3694	.00009	.00005	3.0578	.00038	-.00003	.00021
#2	k -.00311	k .00020	.56981	k .00371	^ -----	k .00012	-.00034	27.363	.00021	-.00034	k .00058
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000		.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	kF **.00130**	kF **-.00510**	F **.55281**	kF **-.00071**	^F *****	k **.00633**	kF **.00103**	kF **.00442**	k **.01445**	kF **-.00018**
Stddev	-----	.00040	.00084	.72258	.00079	-----	.00077	.00004	.00013	.00417	.00015
%RSD	-----	30.599	16.502	130.71	111.72	-----	12.087	4.3297	3.0451	28.879	82.743
#1	^ -----	.00102	-.00450	.04187	-.00127	.03724	.00579	.00100	.00452	.01740	-.00028
#2	29.018	k .00158	k -.00569	1.0638	k -.00015	^ -----	k .00687	k .00106	k .00433	k .01150	k -.00007
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	kF **-.00064**	kF **.00004**
Stddev	.00004	.00041
%RSD	6.7002	1142.0
#1	-.00061	.00033
#2	k -.00067	k -.00026
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9074.5**	**152330.**	**11035.**
Stddev	30.7	7761.	1585.
%RSD	.33847	5.0949	14.365
#1	9096.2	157820.	12156.
#2	9052.8	146850.	9913.9

Sample Name: CCB Acquired: 11/18/2014 4:44:55 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00065**	W **-.01879**	k **.00094**	F **.00642**	k **.00030**	k **.00002**	k **.00298**	^ *****	k **.00014**	k **-.00011**	k **.00032**
Stddev	.00017	.00168	.00244	.00041	.00104	.00004	.00119	-----	.00004	.00004	.00009
%RSD	26.588	8.9602	261.00	6.3923	348.67	190.01	40.100	-----	31.038	38.701	27.971
#1	k .00053	-.01760	k -.00079	.00671	k -.00044	k -.00001	k .00382	1.0813	k .00011	k -.00014	k .00026
#2	k .00077	-.01998	k .00266	.00613	k .00103	k .00005	k .00213	^ -----	k .00017	k -.00008	k .00038
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.01800		.00312							
Low Limit		-.01800		-.00312							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **-.00302**	k **-.00125**	F **.66988**	k **.00213**	^ *****	k **-.00004**	**-.00021**	^ *****	**.00045**	**-.00082**	k **-.00070**
Stddev	.00008	.00035	.54387	.00164	-----	.00002	.00012	-----	.00005	.00121	.00061
%RSD	2.4864	28.313	81.189	76.664	-----	37.814	57.615	-----	11.133	146.56	87.647
#1	k -.00297	k -.00150	.28531	k .00098	^ -----	k -.00006	-.00013	3.2693	.00041	.00003	k -.00113
#2	k -.00308	k -.00100	1.0545	k .00329	^ -----	k -.00003	-.00030	^ -----	.00048	-.00168	k -.00027
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272		.25000								
Low Limit	-.00272		-.25000								

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	k **.00114**	kF **.01002**	kF **.30509**	k **-.00050**	^ *****	k **.00640**	kW **.00110**	k **.00430**	k **.02582**	k **-.00034**
Stddev	-----	.00020	.00319	.42433	.00010	-----	.00086	.00005	.00155	.00492	.00041
%RSD	-----	17.773	31.855	139.08	19.716	-----	13.462	4.7133	35.972	19.050	122.04
#1	^ -----	k .00100	k .01227	k .00505	k -.00043	.02326	k .00579	k .00106	k .00539	k .02930	k -.00063
#2	79.826	k .00129	k .00776	.60514	k -.00057	^ -----	k .00701	k .00114	k .00320	k .02234	k -.00005
Check ?	None	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.00972	.14860				.00060			
Low Limit			-.00972	-.14860				-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **-.00059**	k **.00025**
Stddev	.00010	.00086
%RSD	16.137	350.38
#1	k -.00066	k .00085
#2	k -.00053	k -.00036
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8452.6**	**141510.**	**11507.**
Stddev	96.3	613.	1965.
%RSD	1.1396	.43341	17.078
#1	8384.5	141950.	12896.
#2	8520.7	141080.	10117.

Sample Name: CCVL2994499 Acquired: 11/18/2014 4:47:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00101**	F **-.01723**	F **.00135**	F **-.00080**	F **-.00023**	F **-.00002**	F **.00527**	F **.03202**	F **.00009**	F **-.00018**	F **.00035**	F **-.00321**
Stddev	.00025	.00020	.00049	.00001	.00024	.00001	.00023	.02820	.00002	.00014	.00008	.00015
%RSD	24.858	1.1442	36.028	1.0492	103.80	34.195	4.4375	88.072	16.973	78.172	22.874	4.6201
#1	.00119	-.01737	.00101	-.00079	-.00040	-.00001	.00511	.01208	.00010	-.00008	.00041	-.00311
#2	.00084	-.01709	.00170	-.00080	-.00006	-.00002	.00544	.05196	.00008	-.00028	.00029	-.00332
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00020**	F **.24409**	F **.00079**	F **.00633**	F **.00001**	F **-.00014**	F **.44354**	F **.00020**	F **-.00035**	F **-.00022**	**.03440**	F **-.00078**
Stddev	.00150	.00973	.00097	.00044	.00000	.00020	.05336	.00005	.00057	.00034	.00425	.00093
%RSD	750.60	3.9867	121.96	6.8854	10.122	146.45	12.030	25.950	163.93	155.04	12.343	119.21
#1	-.00086	.23721	.00148	.00602	.00001	-.00028	.40581	.00017	-.00075	.00002	.03740	-.00144
#2	.00126	.25097	.00011	.00664	.00001	.00000	.48127	.00024	.00005	-.00046	.03140	-.00012
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900		.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%		-30.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00548**	F **-.00708**	F **-.00061**	F **.00071**	F **.00554**	F **.00069**	F **.00293**	F **.00914**	F **-.00063**	F **-.00059**	F **.00083**
Stddev	.00632	.00163	.00095	.00038	.00007	.00018	.00063	.00859	.00014	.00007	.00031
%RSD	115.24	23.029	155.77	53.495	1.2568	25.785	21.317	93.953	22.802	12.489	37.751
#1	-.00995	-.00592	.00006	.00044	.00549	.00082	.00249	.00307	-.00073	-.00054	.00061
#2	-.00101	-.00823	-.00128	.00098	.00559	.00057	.00338	.01521	-.00053	-.00065	.00105
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000	.02000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8943.4**	**152820.**	**11092.**
Stddev	286.9	2866.	1930.
%RSD	3.2076	1.8754	17.403
#1	9146.2	154850.	12457.
#2	8740.5	150790.	9727.3

Sample Name: MB 280-251886/1-A Acquired: 11/18/2014 4:50:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**-.00551**	**-.00029**	**.00154**	**.00041**	**-.00002**	**-.00262**	**.01857**	**.00014**
Stddev	.00010	.00009	.00337	.00004	.00031	.00007	.00489	.00408	.00003
%RSD	10.029	1.7204	1169.3	2.8438	74.334	374.81	186.32	21.949	21.392
#1	.00111	-.00544	.00210	.00150	.00020	.00003	-.00608	.02145	.00016
#2	.00096	-.00557	-.00267	.00157	.00063	-.00007	.00083	.01569	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00007**	**-.00003**	**.02320**	**.17078**	**-.00103**	**.00687**	**.00010**	**-.00001**
Stddev	.00017	.00019	.00009	.00076	.03711	.00284	.00002	.00007	.00018
%RSD	58.597	253.22	324.40	3.2743	21.727	275.38	.34692	72.120	2314.0
#1	-.00017	.00006	-.00009	.02373	.19702	.00098	.00689	.00005	.00012
#2	-.00041	-.00021	.00004	.02266	.14454	-.00304	.00686	.00015	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.72115**	**-.00053**	**.00069**	**-.00039**	**.03751**	**-.00045**	**-.00096**	**-.00432**	**.00044**
Stddev	.01138	.00002	.00180	.00089	.00386	.00052	.00290	.00911	.00033
%RSD	1.5783	3.0242	260.30	228.73	10.297	115.44	301.96	211.06	74.190
#1	.72919	-.00055	-.00058	-.00102	.04025	-.00082	.00109	.00212	.00067
#2	.71310	-.00052	.00196	.00024	.03478	-.00008	-.00301	-.01076	.00021
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.50000								
Low Limit	-.50000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00181**	**.00045**	**-.00058**	**-.01677**	**.00002**	**.00035**	**-.00125**
Stddev	.00002	.00117	.00016	.00013	.03126	.00003	.00019	.00041
%RSD	5.2240	65.024	35.459	22.317	186.47	194.40	55.497	32.563
#1	.00037	.00264	.00057	-.00049	-.03887	-.00001	.00048	-.00096
#2	.00040	.00098	.00034	-.00068	.00534	.00004	.00021	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5173.0**	**88044.**	**6513.5**
Stddev	1.1	24.	4.4
%RSD	.02090	.02707	.06783
#1	5172.2	88060.	6510.4
#2	5173.8	88027.	6516.6

Sample Name: LCS 280-251886/2-A Acquired: 11/18/2014 4:53:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.06032**	**2.1193**	**1.0529**	F **1.1229**	**2.1800**	**.05215**	F **2.3918**	**52.766**	**.10270**
Stddev	.00001	.0001	.0046	.0010	.0034	.00013	.0032	.145	.00004
%RSD	.02183	.00348	.43486	.08508	.15625	.25319	.13450	.27457	.04120
#1	.06031	2.1194	1.0562	1.1222	2.1824	.05225	2.3895	52.869	.10267
#2	.06033	2.1193	1.0497	1.1236	2.1776	.05206	2.3941	52.664	.10273
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750			1.1000			2.2000		
Low Limit	.04300			.89000			1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52410**	**.20917**	**.26653**	**1.0101**	**54.118**	**1.0878**	**51.852**	**.52535**	F **1.1409**
Stddev	.00056	.00001	.00051	.0052	.027	.0015	.035	.00045	.0014
%RSD	.10662	.00664	.19107	.51481	.04993	.13767	.06768	.08499	.11945
#1	.52371	.20917	.26617	1.0138	54.099	1.0888	51.827	.52504	1.1399
#2	.52450	.20916	.26689	1.0065	54.138	1.0867	51.877	.52567	1.1418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1.1000
Low Limit									.90000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.837**	**.51777**	**10.980**	**.54111**	**2.2609**	F **.57137**	F **2.2972**	**10.209**	**2.1954**
Stddev	.200	.00063	.020	.00264	.0026	.00105	.0030	.009	.0001
%RSD	.35210	.12219	.17976	.48810	.11693	.18459	.13239	.08457	.00355
#1	56.979	.51822	10.994	.53924	2.2628	.57211	2.2950	10.203	2.1955
#2	56.696	.51732	10.966	.54298	2.2591	.57062	2.2993	10.215	2.1954
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	56.000					.54000	2.2000		
Low Limit	45.500					.44000	1.8000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0542**	**1.0281**	**1.0597**	F **2.1722**	**2.1576**	**.53601**	**.50429**	**.51292**
Stddev	.0019	.0005	.0006	.0046	.0187	.00133	.00160	.00081
%RSD	.18535	.04979	.05889	.21332	.86622	.24894	.31643	.15831
#1	1.0556	1.0285	1.0601	2.1689	2.1708	.53696	.50542	.51350
#2	1.0528	1.0278	1.0593	2.1755	2.1444	.53507	.50316	.51235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.1600				
Low Limit				1.7600				

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4919.5**	**83855.**	**6479.5**
Stddev	4.9	113.	17.0
%RSD	.09892	.13458	.26195
#1	4922.9	83935.	6467.5
#2	4916.0	83776.	6491.5

Sample Name: 280-62196-C-2-A Acquired: 11/18/2014 4:55:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**-.02098**	**-.00305**	**.04105**	**.01064**	**-.00002**	**-.00397**	**353.83**	**.00027**
Stddev	.00036	.00026	.00370	.00083	.00012	.00012	.00234	2.18	.00026
%RSD	45.587	1.2596	121.25	2.0305	1.1447	511.21	58.767	.61571	95.390
#1	.00105	-.02079	-.00043	.04164	.01072	-.00011	-.00563	355.37	.00009
#2	.00054	-.02117	-.00566	.04046	.01055	.00006	-.00232	352.29	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00038**	**.00123**	**3.9101**	**11.306**	**.01856**	**27.210**	**.55175**	**.00091**
Stddev	.00001	.00021	.00008	.0129	.074	.00029	.056	.00055	.00020
%RSD	1.0356	56.116	6.7474	.33023	.65791	1.5374	.20583	.10034	22.279
#1	.00056	.00053	.00117	3.9193	11.359	.01876	27.249	.55214	.00105
#2	.00057	.00023	.00129	3.9010	11.254	.01836	27.170	.55135	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**230.62**	**.00067**	**-.00195**	**.00046**	**401.08**	**.00169**	**-.00283**	**8.1705**	**-.00096**
Stddev	.98	.00018	.00329	.00143	.38	.00012	.00021	.0868	.00086
%RSD	.42636	26.673	168.67	313.71	.09362	6.8242	7.2631	1.0625	89.906
#1	231.32	.00079	.00038	-.00055	401.34	.00161	-.00269	8.2319	-.00157
#2	229.92	.00054	-.00427	.00146	400.81	.00177	-.00298	8.1092	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.0702**	**.00259**	**.00081**	**.00264**	**.01807**	**.00017**	**.00100**	**.00099**
Stddev	.0036	.00105	.00008	.00109	.03759	.00012	.00035	.00147
%RSD	.05073	40.421	9.8510	41.356	207.98	71.171	35.142	149.17
#1	7.0727	.00185	.00087	.00341	.04465	.00026	.00075	-.00005
#2	7.0677	.00333	.00076	.00187	-.00851	.00008	.00125	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4733.3**	**80246.**	**6362.1**
Stddev	7.6	26.	46.4
%RSD	.16017	.03182	.72958
#1	4727.9	80228.	6329.3
#2	4738.7	80264.	6394.9

Sample Name: 280-62196-C-2-A SD@5 Acquired: 11/18/2014 4:58:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**-.01010**	**-.00099**	**.01058**	**.00240**	**-.00004**	**-.00094**	**71.908**	**.00025**
Stddev	.00084	.00009	.00007	.00025	.00003	.00006	.00073	.090	.00017
%RSD	94.004	.91309	6.6431	2.3373	1.2122	154.31	76.903	.12528	70.167
#1	.00149	-.01003	-.00104	.01075	.00238	.00000	-.00146	71.971	.00037
#2	.00030	-.01016	-.00095	.01040	.00242	-.00008	-.00043	71.844	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00018**	**-.00001**	**.79918**	**2.3941**	**.00577**	**5.6179**	**.11112**	**.00011**
Stddev	.00016	.00011	.00011	.00135	.0215	.00066	.0163	.00004	.00024
%RSD	92.387	59.045	1919.1	.16855	.89941	11.400	.29089	.03549	222.53
#1	.00006	-.00026	.00007	.80013	2.4093	.00624	5.6064	.11115	.00028
#2	.00029	-.00011	-.00008	.79823	2.3789	.00531	5.6295	.11109	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.717**	**-.00007**	**.00290**	**.00110**	**77.541**	**.00138**	**-.00108**	**1.5993**	**-.00115**
Stddev	.135	.00011	.00251	.00003	.049	.00146	.00417	.0206	.00079
%RSD	.28810	161.54	86.780	2.7738	.06320	105.78	387.11	1.2864	68.669
#1	46.622	.00001	.00468	.00107	77.575	.00241	-.00402	1.6139	-.00059
#2	46.812	-.00015	.00112	.00112	77.506	.00035	.00187	1.5848	-.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4276**	**.00295**	**.00031**	**.00163**	**.01836**	**.00001**	**.00002**	**-.00043**
Stddev	.0001	.00041	.00019	.00251	.03645	.00007	.00001	.00012
%RSD	.01052	13.825	59.677	154.25	198.56	787.83	66.213	27.505
#1	1.4275	.00324	.00045	.00341	-.00742	.00006	.00001	-.00034
#2	1.4278	.00266	.00018	-.00015	.04413	-.00004	.00003	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5015.5**	**85181.**	**6487.0**
Stddev	.7	202.	5.2
%RSD	.01374	.23678	.08092
#1	5015.0	85323.	6483.3
#2	5016.0	85038.	6490.7

Sample Name: 280-62196-C-2-B MS Acquired: 11/18/2014 5:00:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06147**	**2.0080**	**1.1092**	**1.1461**	**2.2078**	**.05180**	**2.3561**	**406.07**	**.10403**
Stddev	.00017	.0035	.0064	.0017	.0121	.00046	.0058	3.12	.00011
%RSD	.27533	.17364	.57699	.14762	.54928	.88443	.24548	.76905	.10272
#1	.06159	2.0105	1.1138	1.1473	2.2164	.05212	2.3602	408.28	.10411
#2	.06135	2.0055	1.1047	1.1449	2.1992	.05147	2.3520	403.86	.10396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51561**	**.20915**	**.27016**	**4.9305**	**67.058**	**1.1332**	**77.503**	**1.0730**	**1.1458**
Stddev	.00089	.00024	.00044	.0527	.353	.0046	.052	.0009	.0004
%RSD	.17267	.11446	.16178	1.0689	.52648	.40407	.06670	.08647	.03054
#1	.51624	.20898	.26985	4.9678	67.307	1.1365	77.540	1.0736	1.1461
#2	.51498	.20932	.27047	4.8932	66.808	1.1300	77.467	1.0723	1.1456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**290.36**	**.50883**	**11.581**	**.52184**	**410.68**	**.57763**	**2.3451**	**18.770**	**2.1518**
Stddev	1.36	.00116	.000	.00043	.90	.00133	.0039	.145	.0048
%RSD	.46979	.22867	.00305	.08214	.21962	.23099	.16511	.77342	.22147
#1	291.33	.50801	11.581	.52215	411.32	.57857	2.3479	18.873	2.1552
#2	289.40	.50965	11.582	.52154	410.04	.57668	2.3424	18.667	2.1484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.2107**	**1.0347**	**1.0650**	**1.9508**	**2.1862**	**.53815**	**.49166**	**.51509**
Stddev	.1439	.0035	.0017	.0027	.0452	.00013	.00151	.00347
%RSD	1.7521	.33771	.16258	.13744	2.0674	.02506	.30729	.67364
#1	8.3124	1.0322	1.0662	1.9489	2.2182	.53824	.49273	.51754
#2	8.1089	1.0371	1.0637	1.9527	2.1543	.53805	.49059	.51263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4634.8**	**79425.**	**6344.0**
Stddev	3.0	79.	39.2
%RSD	.06417	.09950	.61831
#1	4632.7	79369.	6316.3
#2	4636.9	79481.	6371.8

Sample Name: 280-62196-C-2-C MSD Acquired: 11/18/2014 5:03:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06014**	**1.9757**	**1.0809**	**1.1313**	**2.1707**	**.05078**	**2.3152**	**408.18**	**.10229**
Stddev	.00019	.0020	.0039	.0009	.0025	.00016	.0107	2.55	.00063
%RSD	.31622	.10078	.35838	.08172	.11720	.31569	.46096	.62395	.61167
#1	.06028	1.9771	1.0836	1.1320	2.1689	.05067	2.3228	406.38	.10273
#2	.06001	1.9743	1.0781	1.1307	2.1725	.05090	2.3077	409.98	.10185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50772**	**.20546**	**.26593**	**4.9330**	**66.330**	**1.1151**	**76.752**	**1.0671**	**1.1261**
Stddev	.00124	.00034	.00031	.0093	.059	.0027	.045	.0005	.0006
%RSD	.24509	.16758	.11562	.18914	.08940	.24162	.05918	.04796	.04972
#1	.50684	.20522	.26571	4.9396	66.288	1.1132	76.784	1.0675	1.1257
#2	.50860	.20570	.26614	4.9264	66.372	1.1170	76.720	1.0668	1.1265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**289.44**	**.49935**	**11.399**	**.50843**	**412.52**	**.56959**	**2.3139**	**18.640**	**2.1148**
Stddev	.64	.00078	.007	.00237	.26	.00217	.0051	.031	.0030
%RSD	.22241	.15534	.05937	.46587	.06277	.38158	.21851	.16667	.14326
#1	288.99	.49880	11.394	.50675	412.70	.57113	2.3103	18.618	2.1126
#2	289.90	.49990	11.403	.51010	412.34	.56806	2.3174	18.662	2.1169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3052**	**1.0174**	**1.0489**	**1.9127**	**2.1465**	**.52909**	**.48670**	**.50824**
Stddev	.0032	.0042	.0007	.0011	.0046	.00110	.00266	.00041
%RSD	.03912	.41357	.06629	.05792	.21523	.20697	.54703	.07975
#1	8.3029	1.0204	1.0494	1.9135	2.1497	.52831	.48858	.50796
#2	8.3075	1.0144	1.0484	1.9120	2.1432	.52986	.48481	.50853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4647.7**	**79565.**	**6361.6**
Stddev	5.9	227.	2.0
%RSD	.12611	.28472	.03132
#1	4651.9	79405.	6363.0
#2	4643.6	79725.	6360.2

Sample Name: ccvh-2982968 Acquired: 11/18/2014 5:06:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00683**	**50.397**	**-.00157**	**.00767**	**.00142**	**-.00005**	**1.0855**	**.11062**	**-.00049**	**.00174**	**.00045**	**-.00306**	**47.700**
Stddev	.00004	.067	.00152	.00087	.00009	.00001	.0040	.03726	.00010	.00009	.00006	.00036	.053
%RSD	.63315	.13300	96.695	11.385	6.3639	26.116	.37337	33.681	19.570	5.2518	13.741	11.903	.11025
#1	.00679	50.349	-.00264	.00829	.00149	-.00006	1.0884	.13697	-.00056	.00180	.00050	-.00331	47.663
#2	.00686	50.444	-.00050	.00706	.00136	-.00004	1.0827	.08428	-.00042	.00167	.00041	-.00280	47.738
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25477**	**.00133**	**.14386**	**-.00294**	**-.00081**	**260.85**	**.00053**	**.00511**	**.00444**	**5.3139**	**-.00276**	**.00178**	**-.01372**
Stddev	.04162	.00168	.00081	.00004	.00021	.64	.00021	.00369	.00126	.0262	.00049	.00013	.01075
%RSD	16.337	125.99	.56304	1.4841	26.246	.24494	40.197	72.237	28.447	.49224	17.658	7.5724	78.327
#1	.22534	.00252	.14328	-.00291	-.00066	260.40	.00068	.00773	.00355	5.3324	-.00310	.00168	-.02132
#2	.28421	.00015	.14443	-.00297	-.00097	261.31	.00038	.00250	.00533	5.2954	-.00242	.00187	-.00612
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00246**	**.00276**	**4.7957**	**-.02227**	**.00161**	**10.072**	**.00340**	**-.00045**	**-.03847**
Stddev	.00002	.00070	.0071	.00026	.00096	.005	.00117	.00023	.00280
%RSD	.76762	25.225	.14754	1.1628	60.015	.04784	34.250	51.755	7.2782
#1	.00247	.00325	4.7907	-.02208	.00092	10.069	.00423	-.00029	-.03649
#2	.00245	.00227	4.8007	-.02245	.00229	10.076	.00258	-.00062	-.04045
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4944.9**	**83221.**	**6467.4**
Stddev	11.0	100.	21.5
%RSD	.22206	.11969	.33303
#1	4952.7	83291.	6482.6
#2	4937.2	83150.	6452.1

Sample Name: ccv-2984587 Acquired: 11/18/2014 5:08:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51614**	**.51198**	**.98775**	**.51471**	**.50312**	**.48085**	**.00776**	**5.0812**	**.50272**	**.49611**	**.48695**	**.50144**
Stddev	.00177	.00033	.00113	.00010	.00005	.00158	.00195	.2636	.00109	.00110	.00062	.00220
%RSD	.34226	.06409	.11394	.01892	.00929	.32932	25.095	5.1874	.21736	.22147	.12797	.43935
#1	.51490	.51222	.98696	.51478	.50309	.47973	.00914	5.2676	.50349	.49689	.48739	.49988
#2	.51739	.51175	.98855	.51464	.50315	.48197	.00639	4.8949	.50194	.49534	.48651	.50300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3520**	**49.664**	**1.0040**	**19.366**	**.49231**	**.51179**	F **5.9245**	**.49191**	**.98062**	**1.0087**	**.04739**	**1.0388**
Stddev	.0299	.105	.0037	.007	.00071	.00017	.3244	.00064	.00128	.0013	.00194	.0042
%RSD	1.2689	.21156	.36461	.03487	.14368	.03268	5.4763	.13039	.13099	.13201	4.0935	.40388
#1	2.3731	49.590	1.0014	19.361	.49181	.51191	6.1539	.49236	.98153	1.0096	.04876	1.0418
#2	2.3309	49.738	1.0066	19.370	.49281	.51167	5.6950	.49146	.97971	1.0078	.04602	1.0359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0495**	**4.7392**	**1.0178**	**.49191**	**.02754**	**.49400**	**1.0369**	**.01952**	**.49161**	**.47237**	**.48491**
Stddev	.0021	.0089	.0003	.00340	.00131	.00010	.0005	.00659	.00112	.00109	.00282
%RSD	.19832	.18713	.03264	.69155	4.7648	.01937	.05205	33.780	.22811	.23039	.58211
#1	1.0509	4.7330	1.0176	.49432	.02661	.49407	1.0365	.02418	.49082	.47160	.48292
#2	1.0480	4.7455	1.0181	.48951	.02846	.49393	1.0373	.01485	.49240	.47313	.48691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5071.8**	**85438.**	**6484.4**
Stddev	.1	115.	11.5
%RSD	.00201	.13480	.17677
#1	5071.9	85520.	6476.3
#2	5071.7	85357.	6492.5

Sample Name: CCB Acquired: 11/18/2014 5:11:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00434**	**.00099**	F **.00471**	**.00034**	**.00012**	**-.00312**	**.00740**	**.00014**	**-.00010**	**-.00031**	**-.00038**
Stddev	.00030	.00098	.00108	.00031	.00000	.00007	.00044	.00076	.00021	.00017	.00009	.00044
%RSD	38.929	22.625	109.03	6.4848	1.3776	57.180	14.010	10.229	155.76	163.74	30.809	115.39
#1	.00097	-.00364	.00175	.00449	.00033	.00016	-.00343	.00794	-.00001	-.00022	-.00024	-.00069
#2	.00055	-.00503	.00023	.00492	.00034	.00007	-.00281	.00687	.00029	.00002	-.00037	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.16091**	**.00019**	**.00660**	**.00008**	**.00071**	F **.56392**	**-.00058**	**.00150**	**.00055**	**.03129**	**.00152**
Stddev	.00161	.03623	.00005	.00189	.00001	.00073	.00225	.00010	.00035	.00043	.00015	.00197
%RSD	41.298	22.518	27.952	28.607	10.521	101.84	.39843	17.418	23.593	78.597	.46899	129.16
#1	.00277	.13529	.00022	.00526	.00007	.00020	.56233	-.00065	.00125	.00085	.03139	.00013
#2	.00505	.18653	.00015	.00793	.00008	.00123	.56551	-.00051	.00175	.00024	.03118	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**-.00313**	**-.00035**	W **.00036**	**.00329**	**.00034**	**-.00043**	**.01415**	**-.00041**	**-.00093**	**-.00111**
Stddev	.00319	.00666	.00092	.00004	.00108	.00050	.00053	.01953	.00006	.00036	.00112
%RSD	175.71	212.68	266.16	11.710	32.676	148.80	122.40	138.00	15.745	38.120	100.70
#1	.00408	.00158	.00031	.00033	.00253	-.00002	-.00081	.00034	-.00046	-.00068	-.00032
#2	-.00044	-.00785	-.00100	.00039	.00405	.00069	-.00006	.02797	-.00037	-.00119	-.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00030							
Low Limit				-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5122.6**	**87468.**	**6458.9**
Stddev	2.8	50.	25.1
%RSD	.05539	.05684	.38819
#1	5124.6	87433.	6441.2
#2	5120.6	87503.	6476.7

Sample Name: CCVL2994499 Acquired: 11/18/2014 5:14:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01124**	**.10518**	**.01522**	**.10739**	**.01080**	**.00110**	W **.12340**	**.20530**	**.00543**	**.01047**	**.01017**	**.01594**
Stddev	.00028	.00015	.00000	.00119	.00009	.00002	.00096	.00175	.00004	.00025	.00004	.00014
%RSD	2.4617	.13895	.02016	1.1079	.83416	1.5370	.77677	.85252	.73374	2.4228	.42982	.89032
#1	.01104	.10507	.01522	.10654	.01087	.00111	.12272	.20654	.00546	.01065	.01020	.01584
#2	.01143	.10528	.01522	.10823	.01074	.00109	.12408	.20406	.00540	.01029	.01014	.01604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000					
Range							20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09775**	**3.3359**	**.01159**	**.21426**	**.01055**	**.02100**	F **1.6268**	**.04130**	**2.9359**	**.00968**	**.02600**	**.01006**
Stddev	.00252	.0557	.00162	.00213	.00001	.00004	.0006	.00036	.0060	.00102	.00004	.00101
%RSD	2.5752	1.6690	13.940	.99571	.11216	.17999	.03394	.86006	.20604	10.562	.15940	10.039
#1	.09597	3.2965	.01273	.21576	.01054	.02097	1.6264	.04105	2.9401	.01041	.02597	.00934
#2	.09953	3.3752	.01045	.21275	.01056	.02103	1.6271	.04155	2.9316	.00896	.02603	.01077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01676**	**.48520**	**.10703**	**.01026**	**.01795**	**.01018**	**.01492**	F **.08071**	**.00978**	**.02025**	**.01377**
Stddev	.00286	.01099	.00092	.00003	.00083	.00029	.00041	.01454	.00053	.00034	.00101
%RSD	17.039	2.2646	.86007	.32973	4.6433	2.8791	2.7750	18.012	5.4352	1.6806	7.3466
#1	.01878	.49297	.10638	.01024	.01736	.01039	.01463	.07043	.01015	.02001	.01306
#2	.01474	.47743	.10768	.01029	.01854	.00998	.01522	.09099	.00940	.02049	.01449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5157.9**	**87632.**	**6563.4**
Stddev	5.3	29.	48.8
%RSD	.10268	.03360	.74287
#1	5161.6	87653.	6597.9
#2	5154.1	87611.	6529.0

Sample Name: 280-62196-C-3-A Acquired: 11/18/2014 5:16:45 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**-.00994**	**.00142**	**.04542**	**.03958**	**.00007**	**-.00788**	**208.77**	**.00058**
Stddev	.00017	.00031	.00200	.00070	.00001	.00007	.00352	.93	.00021
%RSD	19.557	3.1465	141.08	1.5358	.03701	93.122	44.718	.44430	36.961
#1	.00097	-.00972	.00000	.04591	.03959	.00003	-.01037	208.11	.00073
#2	.00073	-.01016	.00284	.04493	.03957	.00012	-.00539	209.42	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00211**	**.00281**	**.01271**	**3.6918**	**.02133**	**22.644**	**.79961**	**.00131**
Stddev	.00021	.00015	.00008	.00165	.0008	.00260	.001	.00024	.00004
%RSD	91.945	7.2752	2.7726	12.979	.02241	12.189	.00391	.02989	2.7485
#1	.00038	.00200	.00286	.01387	3.6923	.01949	22.645	.79978	.00133
#2	.00008	.00222	.00275	.01154	3.6912	.02317	22.643	.79944	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.402**	**.03431**	**.00565**	**.00188**	**105.62**	**-.00006**	**-.00193**	**9.0982**	**-.00065**
Stddev	.440	.00026	.00477	.00128	.03	.00008	.00170	.0524	.00108
%RSD	.64372	.76530	84.400	68.351	.02987	135.70	88.151	.57634	166.02
#1	68.091	.03449	.00228	.00097	105.64	-.00000	-.00314	9.0611	-.00141
#2	68.714	.03412	.00903	.00278	105.59	-.00011	-.00073	9.1353	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4675**	**.00413**	**.00033**	**.00251**	**.01012**	**.00069**	**.07344**	**-.00093**
Stddev	.0129	.00025	.00002	.00059	.00437	.00036	.00048	.00043
%RSD	.37316	6.1382	5.2754	23.509	43.154	51.567	.65182	46.254
#1	3.4583	.00395	.00035	.00292	.01321	.00044	.07310	-.00062
#2	3.4766	.00431	.00032	.00209	.00703	.00094	.07377	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4865.8**	**82940.**	**6446.5**
Stddev	2.7	115.	27.5
%RSD	.05646	.13805	.42717
#1	4863.9	82859.	6465.9
#2	4867.7	83021.	6427.0

Sample Name: 280-62196-C-4-A Acquired: 11/18/2014 5:19:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.01878**	**.00175**	**.04399**	**.00953**	**.00002**	**-.00477**	**492.26**	**.00026**
Stddev	.00043	.00108	.00400	.00045	.00013	.00001	.00124	2.61	.00019
%RSD	1730.5	5.7514	228.22	1.0218	1.3958	62.434	26.050	.52935	72.472
#1	-.00028	-.01954	-.00108	.04367	.00943	.00001	-.00565	494.10	.00013
#2	.00033	-.01801	.00459	.04430	.00962	.00003	-.00389	490.42	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00001**	**.00126**	**.02713**	**12.472**	**.02078**	**40.860**	**.11791**	**.00147**
Stddev	.00025	.00043	.00010	.00013	.040	.00093	.069	.00047	.00058
%RSD	60.249	2917.9	8.0008	.47265	.32049	4.4714	.16952	.40171	39.238
#1	.00060	-.00032	.00118	.02722	12.444	.02144	40.811	.11758	.00188
#2	.00024	.00029	.00133	.02704	12.500	.02013	40.909	.11825	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **558.36**	**.00179**	**-.00625**	**-.00099**	**677.64**	**.00288**	**.01844**	**5.6622**	**-.00119**
Stddev	1.09	.00013	.00013	.00072	1.96	.00084	.00075	.0332	.00031
%RSD	.19455	7.0316	2.1601	72.430	.28982	29.308	4.0922	.58558	26.387
#1	559.13	.00188	-.00634	-.00150	679.03	.00228	.01791	5.6856	-.00141
#2	557.59	.00171	-.00615	-.00048	676.25	.00348	.01897	5.6387	-.00097
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.757**	**.00366**	**.00059**	**.00315**	**.06403**	**.00047**	**.00248**	**-.00050**
Stddev	.018	.00070	.00037	.00025	.01022	.00035	.00045	.00101
%RSD	.15220	19.270	62.895	8.0865	15.962	74.938	18.059	202.51
#1	11.745	.00416	.00033	.00333	.05680	.00022	.00280	-.00121
#2	11.770	.00316	.00086	.00297	.07126	.00071	.00216	.00022
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4579.7**	**77818.**	**6344.9**
Stddev	13.4	230.	1.3
%RSD	.29158	.29566	.02007
#1	4589.1	77981.	6345.8
#2	4570.3	77655.	6344.0

Sample Name: 280-62196-C-5-A Acquired: 11/18/2014 5:22:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**-.01553**	**.00170**	**.04696**	**.00870**	**.00003**	**-.00590**	**367.02**	**.00052**
Stddev	.00063	.00144	.00556	.00024	.00035	.00004	.00267	3.15	.00013
%RSD	72.439	9.2889	326.47	.50719	4.0375	139.52	45.202	.85841	25.667
#1	.00132	-.01451	.00564	.04679	.00895	.00006	-.00778	369.25	.00061
#2	.00043	-.01655	-.00223	.04713	.00845	.00000	-.00401	364.79	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00035**	**.00132**	**.01430**	**6.3650**	**.02836**	**54.336**	**.00121**	**-.00011**
Stddev	.00015	.00007	.00004	.00025	.0588	.00101	.058	.00001	.00054
%RSD	191.10	20.352	3.4047	1.7718	.92418	3.5526	.10664	.50797	481.49
#1	-.00003	.00040	.00135	.01447	6.3234	.02765	54.377	.00121	-.00050
#2	.00018	.00030	.00129	.01412	6.4066	.02907	54.295	.00122	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**399.17**	**.00047**	**-.00140**	**.00065**	**541.91**	**-.00044**	**.09122**	**7.5270**	**-.00275**
Stddev	.30	.00015	.00328	.00022	1.18	.00145	.00685	.0213	.00044
%RSD	.07552	32.623	234.77	33.464	.21727	327.23	7.5079	.28247	15.839
#1	398.96	.00036	.00092	.00081	542.75	.00058	.09606	7.5420	-.00306
#2	399.39	.00058	-.00372	.00050	541.08	-.00147	.08638	7.5120	-.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7587**	**.00211**	**.00059**	**.00221**	**.04449**	**.00009**	**.00712**	**-.00108**
Stddev	.0091	.00033	.00037	.00239	.03658	.00037	.00036	.00051
%RSD	.10350	15.807	63.358	107.92	82.224	435.17	5.1133	47.436
#1	8.7523	.00187	.00085	.00390	.07035	.00035	.00738	-.00144
#2	8.7651	.00235	.00033	.00052	.01862	-.00018	.00686	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4699.7**	**79202.**	**6402.8**
Stddev	.3	211.	10.7
%RSD	.00534	.26666	.16666
#1	4699.8	79053.	6410.4
#2	4699.5	79351.	6395.3

Sample Name: 280-62196-C-6-A Acquired: 11/18/2014 5:25:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.01426**	**-.00323**	**.04423**	**.01561**	**-.00000**	**-.00687**	**353.42**	**.00053**
Stddev	.00022	.00073	.00187	.00010	.00021	.00006	.00001	.45	.00017
%RSD	79.527	5.0968	57.918	.21587	1.3415	15874.	.14049	.12732	31.360
#1	.00043	-.01477	-.00456	.04430	.01576	.00004	-.00687	353.11	.00064
#2	.00012	-.01375	-.00191	.04416	.01546	-.00004	-.00686	353.74	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00011**	**.00094**	**.00484**	**4.9377**	**.00599**	**41.226**	**.00023**	**.00054**
Stddev	.00001	.00015	.00010	.00138	.0266	.00074	.009	.00003	.00017
%RSD	5.9006	135.72	10.327	28.490	.53839	12.264	.02200	14.775	30.758
#1	.00011	-.00000	.00101	.00581	4.9565	.00651	41.219	.00020	.00066
#2	.00012	-.00021	.00087	.00386	4.9189	.00547	41.232	.00025	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**84.095**	**.00052**	**.02213**	**-.00072**	**277.67**	**.00126**	**.01449**	**8.3799**	**-.00232**
Stddev	.116	.00010	.00001	.00123	.34	.00033	.00242	.0129	.00079
%RSD	.13743	20.020	.03538	169.35	.12213	25.789	16.707	.15431	34.151
#1	84.014	.00044	.02214	.00014	277.90	.00103	.01620	8.3890	-.00176
#2	84.177	.00059	.02213	-.00159	277.43	.00150	.01278	8.3708	-.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9578**	**.00262**	**.00024**	**.00222**	**.00619**	**.00080**	**.00293**	**-.00081**
Stddev	.0449	.00152	.00004	.00009	.01992	.00040	.00008	.00300
%RSD	.90485	57.887	18.293	3.8676	321.59	49.433	2.7263	372.21
#1	4.9260	.00155	.00021	.00228	.02027	.00052	.00299	.00131
#2	4.9895	.00369	.00027	.00216	-.00789	.00108	.00288	-.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4776.6**	**81931.**	**6455.8**
Stddev	.3	184.	13.4
%RSD	.00717	.22445	.20734
#1	4776.4	82061.	6446.3
#2	4776.9	81801.	6465.3

Sample Name: 280-62196-C-7-A Acquired: 11/18/2014 5:28:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.01900**	**.00004**	**.06489**	**.01302**	**.00000**	**-.00570**	**478.38**	**.00055**
Stddev	.00001	.00006	.00077	.00049	.00025	.00001	.00078	3.36	.00015
%RSD	2.1715	.29312	1811.5	.75824	1.9483	309.14	13.612	.70220	26.260
#1	.00057	-.01896	.00059	.06524	.01320	-.00001	-.00625	480.76	.00066
#2	.00056	-.01904	-.00050	.06454	.01284	.00001	-.00515	476.01	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00021**	**.00085**	**.00196**	**6.8250**	**.00993**	**58.821**	**.05277**	**.00010**
Stddev	.00020	.00030	.00015	.00143	.0327	.00037	.037	.00017	.00027
%RSD	166.14	144.33	17.344	72.642	.47913	3.7309	.06361	.31358	273.63
#1	-.00002	-.00000	.00095	.00297	6.8481	.00967	58.795	.05288	-.00009
#2	.00026	.00043	.00074	.00095	6.8019	.01019	58.848	.05265	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.44**	**.00085**	**.11694**	**-.00080**	**478.06**	**.00191**	**-.00146**	**11.380**	**-.00153**
Stddev	.45	.00042	.00113	.00107	1.33	.00184	.00008	.041	.00026
%RSD	.35685	49.878	.96777	134.29	.27894	96.384	5.5819	.35781	17.132
#1	127.76	.00055	.11774	-.00156	479.00	.00321	-.00141	11.409	-.00172
#2	127.12	.00115	.11614	-.00004	477.11	.00061	-.00152	11.351	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3523**	**.00079**	**.00080**	**.00324**	**.06157**	**.00077**	**.01490**	**-.00071**
Stddev	.0141	.00089	.00004	.00073	.00300	.00021	.00021	.00151
%RSD	.22148	112.05	5.1363	22.399	4.8778	26.496	1.3785	213.41
#1	6.3623	.00142	.00077	.00273	.06369	.00063	.01475	.00036
#2	6.3424	.00016	.00083	.00376	.05945	.00092	.01504	-.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4704.4**	**80534.**	**6400.7**
Stddev	21.4	47.	20.7
%RSD	.45559	.05856	.32375
#1	4719.5	80567.	6386.1
#2	4689.2	80501.	6415.4

Sample Name: 280-62196-C-8-A Acquired: 11/18/2014 5:31:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**-.02018**	**.00037**	**.03912**	**.01043**	**-.00000**	**-.00645**	W **587.40**	**.00072**
Stddev	.00007	.00014	.00046	.00022	.00010	.00004	.00012	2.62	.00011
%RSD	12.623	.68758	124.35	.56524	.93862	1151.3	1.8459	.44534	15.770
#1	.00048	-.02028	.00069	.03896	.01050	-.00004	-.00654	585.55	.00080
#2	.00057	-.02009	.00004	.03928	.01036	.00003	-.00637	589.25	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00000**	**.00158**	**.00400**	**15.192**	**.06070**	**96.404**	**.00587**	**.00081**
Stddev	.00006	.00006	.00009	.00335	.053	.00118	.098	.00008	.00030
%RSD	18.386	6353.7	5.6178	83.939	.34800	1.9393	.10152	1.3794	36.864
#1	.00038	-.00004	.00164	.00162	15.229	.06153	96.473	.00582	.00060
#2	.00029	.00004	.00152	.00637	15.154	.05987	96.335	.00593	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**461.78**	**.00151**	**.07904**	**.00125**	**695.90**	**.00143**	**.07567**	**7.1506**	**-.00118**
Stddev	.94	.00012	.00029	.00188	.76	.00374	.00329	.0042	.00027
%RSD	.20437	7.9627	.37232	150.50	.10864	262.66	4.3433	.05932	22.653
#1	461.11	.00142	.07925	.00258	696.44	.00407	.07335	7.1536	-.00099
#2	462.45	.00159	.07883	-.00008	695.37	-.00122	.07800	7.1476	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.436**	**.00319**	**.00101**	**.00083**	**.09047**	**.00082**	**.00337**	**.00105**
Stddev	.019	.00087	.00011	.00035	.02852	.00018	.00021	.00105
%RSD	.14237	27.405	10.462	42.412	31.523	21.624	6.1633	99.955
#1	13.449	.00257	.00109	.00058	.11064	.00070	.00322	.00031
#2	13.422	.00381	.00094	.00107	.07031	.00095	.00352	.00179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4574.8**	**77669.**	**6305.0**
Stddev	8.0	193.	33.9
%RSD	.17428	.24907	.53781
#1	4569.1	77532.	6329.0
#2	4580.4	77805.	6281.0

Sample Name: 280-62196-C-9-A Acquired: 11/18/2014 5:35:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251886 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**-.01448**	**-.00267**	**.03373**	**.01358**	**-.00005**	**-.00448**	**417.94**	**.00065**
Stddev	.00014	.00029	.00555	.00028	.00004	.00001	.00074	.27	.00016
%RSD	17.860	2.0335	208.05	.81781	.30898	14.853	16.599	.06381	24.407
#1	.00070	-.01427	-.00659	.03393	.01361	-.00006	-.00395	418.13	.00076
#2	.00090	-.01469	.00126	.03354	.01355	-.00005	-.00500	417.76	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**-.00005**	**.00094**	**.00686**	**10.747**	**.02612**	**52.971**	**.07278**	**-.00005**
Stddev	.00020	.00005	.00037	.00339	.002	.00079	.137	.00015	.00001
%RSD	14.872	117.63	39.619	49.505	.02050	3.0306	.25904	.21226	25.903
#1	.00120	-.00001	.00121	.00446	10.749	.02556	52.874	.07267	-.00004
#2	.00148	-.00008	.00068	.00926	10.745	.02668	53.068	.07288	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**344.81**	**.00128**	**-.00238**	**.00009**	**292.51**	**.00247**	**.01895**	**5.5865**	**-.00001**
Stddev	.24	.00035	.00097	.00100	.24	.00138	.00431	.0376	.00019
%RSD	.06930	27.654	40.873	1160.6	.08368	55.820	22.729	.67329	1904.7
#1	344.64	.00103	-.00169	-.00062	292.68	.00345	.01590	5.5599	.00012
#2	344.98	.00153	-.00307	.00079	292.34	.00150	.02199	5.6131	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.0463**	**.00190**	**.00048**	**.00114**	**.04971**	**.00028**	**.00068**	**-.00129**
Stddev	.0608	.00086	.00032	.00020	.02103	.00033	.00001	.00066
%RSD	.67170	45.086	65.539	17.131	42.295	120.15	1.7069	50.864
#1	9.0033	.00251	.00026	.00128	.06458	.00004	.00069	-.00175
#2	9.0893	.00130	.00071	.00100	.03485	.00051	.00068	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4676.8**	**79773.**	**6412.7**
Stddev	8.7	210.	.1
%RSD	.18625	.26332	.00189
#1	4670.6	79922.	6412.8
#2	4682.9	79625.	6412.6

Sample Name: ccvh-2982968 Acquired: 11/18/2014 5:38:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00706**	**50.214**	**-.00342**	**.00258**	**.00082**	**-.00004**	**1.0784**	**.09082**	**-.00032**	**.00176**	**-.00005**	**-.00347**	**47.399**
Stddev	.00007	.009	.00184	.00029	.00002	.00004	.0006	.00722	.00027	.00010	.00022	.00042	.121
%RSD	1.0521	.01762	53.751	11.309	2.7085	90.342	.05640	7.9483	83.153	5.5524	478.72	12.188	.25592
#1	.00711	50.208	-.00212	.00278	.00084	-.00007	1.0780	.09593	-.00051	.00169	-.00020	-.00376	47.313
#2	.00701	50.221	-.00472	.00237	.00081	-.00002	1.0788	.08572	-.00013	.00183	.00011	-.00317	47.485
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17938**	**.00306**	**.14145**	**-.00314**	**-.00204**	**261.53**	**.00078**	**.00095**	**.00292**	**5.2962**	**-.00078**	**.00127**	**-.00108**
Stddev	.01895	.00080	.00249	.00007	.00008	.06	.00038	.00173	.00081	.0021	.00045	.01026	.00615
%RSD	10.562	26.180	1.7605	2.1498	3.9317	.02274	48.303	182.39	27.614	.04005	56.972	809.32	571.05
#1	.19278	.00249	.14321	-.00319	-.00210	261.57	.00051	.00217	.00235	5.2977	-.00047	.00852	-.00542
#2	.16598	.00362	.13969	-.00310	-.00198	261.49	.00104	-.00027	.00349	5.2947	-.00110	-.00599	.00327
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**.00295**	**4.8318**	**-.02266**	**.00069**	**10.040**	**.00338**	**-.00165**	**-.03975**
Stddev	.00008	.00015	.0033	.00030	.00022	.064	.00057	.00035	.00033
%RSD	4.1568	5.1184	.06738	1.3175	31.444	.63660	17.017	21.289	.82319
#1	.00189	.00306	4.8295	-.02287	.00053	9.9944	.00378	-.00140	-.03952
#2	.00178	.00284	4.8341	-.02245	.00084	10.085	.00297	-.00190	-.03998
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4936.1**	**82992.**	**6453.0**
Stddev	1.0	249.	21.5
%RSD	.02124	.29947	.33337
#1	4935.3	83167.	6468.2
#2	4936.8	82816.	6437.8

Sample Name: ccv-2984587 Acquired: 11/18/2014 5:40:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51592**	**.51940**	**.99421**	**.51256**	**.50674**	**.48378**	**.00883**	**4.9194**	**.50341**	**.50047**	**.49243**	**.50296**
Stddev	.00033	.00059	.00551	.00005	.00045	.00096	.00090	.0001	.00074	.00004	.00041	.00045
%RSD	.06350	.11334	.55463	.00931	.08895	.19810	10.182	.00303	.14640	.00771	.08254	.08928
#1	.51615	.51982	.99811	.51252	.50642	.48310	.00947	4.9193	.50393	.50050	.49272	.50328
#2	.51569	.51899	.99032	.51259	.50706	.48446	.00819	4.9195	.50289	.50045	.49214	.50264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3362**	**50.186**	**1.0129**	**19.486**	**.49669**	**.51479**	F **5.7376**	**.49685**	**.98787**	**1.0164**	**.06585**	**1.0384**
Stddev	.0033	.009	.0023	.006	.00048	.00106	.0055	.00048	.00213	.0019	.00222	.0009
%RSD	.14200	.01853	.22808	.03124	.09755	.20561	.09535	.09701	.21535	.18169	3.3672	.08699
#1	2.3385	50.179	1.0113	19.490	.49703	.51554	5.7415	.49719	.98637	1.0177	.06742	1.0390
#2	2.3338	50.192	1.0146	19.482	.49634	.51405	5.7337	.49651	.98937	1.0151	.06428	1.0378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0485**	**4.7320**	**1.0263**	**.49367**	**.02667**	**.49784**	**1.0407**	**.00090**	**.49515**	**.47856**	**.48657**
Stddev	.0006	.0262	.0019	.00038	.00101	.00004	.0012	.00338	.00156	.00180	.00262
%RSD	.06153	.55386	.18453	.07717	3.7829	.00844	.11798	374.74	.31580	.37545	.53774
#1	1.0480	4.7506	1.0276	.49340	.02595	.49781	1.0416	-.00149	.49625	.47983	.48472
#2	1.0489	4.7135	1.0250	.49394	.02738	.49787	1.0399	.00329	.49404	.47728	.48842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5061.1**	**85228.**	**6488.2**
Stddev	2.7	115.	7.5
%RSD	.05292	.13508	.11504
#1	5063.0	85146.	6493.5
#2	5059.2	85309.	6482.9

Sample Name: CCB Acquired: 11/18/2014 5:43:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00143**	**-.00434**	**-.00179**	W **.00182**	**.00034**	**.00009**	**-.00226**	**.01792**	**.00018**	**-.00010**	**-.00001**	**-.00062**
Stddev	.00049	.00020	.00203	.00014	.00012	.00003	.00235	.00039	.00004	.00010	.00019	.00018
%RSD	34.349	4.6994	113.51	7.7245	34.258	31.645	103.82	2.1490	19.193	96.230	2839.8	28.391
#1	.00178	-.00420	-.00323	.00192	.00026	.00011	-.00392	.01819	.00016	-.00003	.00013	-.00074
#2	.00108	-.00449	-.00035	.00172	.00042	.00007	-.00060	.01765	.00021	-.00017	-.00014	-.00049
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00156								
Low Limit	-.00093			-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.16559**	**.00130**	**.00953**	**-.00002**	**.00045**	F **.55277**	**-.00060**	**.00025**	**.00108**	**.05028**	**-.00090**
Stddev	.00246	.07532	.00006	.00057	.00002	.00025	.00197	.00012	.00167	.00061	.00089	.00144
%RSD	83.150	45.489	4.8356	5.9527	107.74	55.301	.35631	19.340	674.31	56.898	1.7666	160.54
#1	.00470	.21885	.00135	.00912	-.00003	.00062	.55416	-.00052	-.00093	.00151	.04965	-.00192
#2	.00122	.11232	.00126	.00993	-.00000	.00027	.55138	-.00069	.00143	.00064	.05090	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00334**	**-.01231**	**-.00070**	W **.00052**	**.00283**	**.00047**	**-.00079**	**.00936**	**-.00045**	**-.00114**	**-.00103**
Stddev	.00015	.01092	.00126	.00015	.00130	.00015	.00086	.02260	.00011	.00002	.00071
%RSD	4.4686	88.762	180.67	28.001	45.879	31.161	109.28	241.43	23.385	2.1107	69.424
#1	-.00345	-.00458	-.00159	.00062	.00375	.00057	-.00140	-.00662	-.00053	-.00113	-.00052
#2	-.00324	-.02003	.00019	.00042	.00191	.00037	-.00018	.02534	-.00038	-.00116	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00030							
Low Limit				-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5131.6**	**87045.**	**6427.8**
Stddev	10.2	508.	34.4
%RSD	.19810	.58312	.53480
#1	5138.8	87404.	6452.1
#2	5124.4	86686.	6403.5

Sample Name: CCVL2994499 Acquired: 11/18/2014 5:46:03 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01163**	**.10566**	**.01370**	**.10567**	**.01087**	**.00113**	**.11986**	**.20968**	**.00536**	**.01074**	**.01069**	**.01614**
Stddev	.00032	.00103	.00363	.00040	.00016	.00004	.00370	.00153	.00008	.00019	.00014	.00031
%RSD	2.7445	.97412	26.488	.37530	1.4832	3.6032	3.0869	.73108	1.4848	1.7858	1.2627	1.9300
#1	.01186	.10639	.01113	.10595	.01076	.00110	.11724	.21076	.00542	.01060	.01079	.01636
#2	.01141	.10493	.01627	.10539	.01099	.00115	.12247	.20860	.00530	.01087	.01060	.01592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10137**	**3.3590**	**.01111**	**.21544**	**.01141**	**.02137**	F **1.6350**	**.04218**	**2.9513**	**.00925**	**.05285**	**.01070**
Stddev	.00068	.0239	.00161	.00095	.00003	.00007	.0024	.00025	.0037	.00105	.00249	.00169
%RSD	.67042	.71035	14.504	.44043	.26506	.32562	.14730	.58886	.12586	11.342	4.7035	15.763
#1	.10185	3.3422	.01225	.21611	.01143	.02142	1.6367	.04200	2.9540	.00851	.05109	.01189
#2	.10089	3.3759	.00997	.21477	.01138	.02132	1.6333	.04235	2.9487	.01000	.05461	.00951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01189**	**.47368**	**.10866**	**.01053**	**.01785**	**.01077**	**.01654**	F **.07952**	**.01015**	**.02055**	**.01471**
Stddev	.00061	.01085	.00006	.00010	.00066	.00012	.00033	.01045	.00003	.00015	.00010
%RSD	5.1082	2.2907	.05551	.97844	3.7228	1.0834	1.9742	13.142	.32234	.75280	.66699
#1	.01146	.46601	.10862	.01060	.01738	.01086	.01631	.08691	.01013	.02066	.01464
#2	.01232	.48136	.10870	.01046	.01832	.01069	.01677	.07213	.01017	.02044	.01478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500							.06000			
Range	-20.000%							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5141.7**	**87442.**	**6485.7**
Stddev	26.8	89.	37.1
%RSD	.52141	.10208	.57243
#1	5160.7	87379.	6511.9
#2	5122.8	87505.	6459.4

Sample Name: MB 280-251953/1-A Acquired: 11/18/2014 5:48:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/8 Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**-.00368**	**.00244**	W **.00161**	**.00029**	**-.00000**	**-.00236**	**.00840**	**.00022**
Stddev	.00075	.00050	.00242	.00013	.00009	.00008	.00005	.00001	.00029
%RSD	108.26	13.669	99.005	8.2333	31.985	6639.8	1.9711	.14235	133.84
#1	.00016	-.00404	.00073	.00151	.00023	.00006	-.00233	.00841	.00001
#2	.00123	-.00332	.00415	.00170	.00036	-.00006	-.00240	.00839	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156					
Low Limit				-.00156					

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00009**	**-.00006**	**.00514**	**.17097**	**.00047**	**.00415**	**.00008**	**.00012**
Stddev	.00017	.00007	.00009	.00019	.00622	.00250	.00075	.00001	.00016
%RSD	141.98	82.376	136.54	3.7803	3.6404	533.35	18.118	10.896	132.92
#1	.00000	-.00004	-.00000	.00500	.16657	-.00130	.00468	.00008	.00024
#2	-.00024	-.00014	-.00013	.00528	.17537	.00223	.00362	.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.50651**	**-.00062**	**.00385**	**.00104**	**.03504**	**-.00035**	**.00233**	**.00098**	**-.00016**
Stddev	.00065	.00034	.00168	.00096	.00163	.00103	.00065	.00573	.00072
%RSD	.12757	54.739	43.754	91.984	4.6495	295.63	28.020	585.62	456.61
#1	.50697	-.00087	.00266	.00172	.03389	.00038	.00279	.00503	-.00067
#2	.50605	-.00038	.00504	.00036	.03619	-.00108	.00186	-.00307	.00035
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.20152								
Low Limit	-.20152								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00415**	**.00030**	**-.00112**	**-.01480**	**-.00023**	**-.00017**	**-.00145**
Stddev	.00012	.00086	.00018	.00122	.00704	.00000	.00032	.00173
%RSD	250.63	20.819	60.099	108.56	47.591	1.0698	187.27	119.15
#1	-.00004	.00477	.00017	-.00026	-.01978	-.00023	.00005	-.00023
#2	.00013	.00354	.00042	-.00198	-.00982	-.00023	-.00039	-.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5208.9**	**88367.**	**6517.4**
Stddev	6.5	831.	93.9
%RSD	.12485	.94011	1.4404
#1	5204.3	88954.	6583.7
#2	5213.5	87780.	6451.0

Sample Name: LCS 280-251953/2-A Acquired: 11/18/2014 5:51:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05795**	**2.0119**	**1.0105**	**1.0702**	**2.0851**	**.04945**	F **2.2627**	**49.887**	**.09814**
Stddev	.00027	.0055	.0005	.0025	.0026	.00037	.0039	.073	.00010
%RSD	.46830	.27362	.05116	.23226	.12673	.74346	.17427	.14557	.10351
#1	.05775	2.0080	1.0108	1.0685	2.0869	.04971	2.2655	49.939	.09807
#2	.05814	2.0158	1.0101	1.0720	2.0832	.04919	2.2599	49.836	.09821
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.05750						2.2000		
Low Limit	.04300						1.8000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49955**	**.19934**	**.25577**	**.95266**	**51.771**	**1.0404**	**49.347**	**.49722**	**1.0950**
Stddev	.00005	.00033	.00080	.00392	.035	.0018	.063	.00024	.0010
%RSD	.01052	.16398	.31434	.41163	.06688	.16977	.12831	.04728	.09154
#1	.49959	.19911	.25634	.94989	51.796	1.0416	49.392	.49705	1.0943
#2	.49951	.19957	.25520	.95544	51.747	1.0391	49.302	.49738	1.0957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.083**	**.49311**	**10.463**	**.51328**	**2.1409**	F **.54730**	**2.1664**	**9.7321**	**2.0869**
Stddev	.151	.00037	.020	.00095	.0029	.00255	.0062	.0446	.0018
%RSD	.27951	.07562	.19504	.18467	.13409	.46609	.28390	.45832	.08373
#1	53.976	.49285	10.448	.51395	2.1430	.54549	2.1621	9.7636	2.0857
#2	54.190	.49337	10.477	.51261	2.1389	.54910	2.1708	9.7005	2.0881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.54000			
Low Limit						.44000			

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0098**	**.98162**	**1.0115**	**2.0574**	**2.0511**	**.50701**	**.47916**	**.49301**
Stddev	.0010	.00146	.0015	.0000	.0180	.00000	.00108	.00281
%RSD	.09845	.14890	.14853	.00096	.87669	.00082	.22495	.57067
#1	1.0106	.98265	1.0104	2.0574	2.0384	.50700	.47840	.49102
#2	1.0091	.98059	1.0125	2.0574	2.0638	.50701	.47993	.49500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4946.9**	**84485.**	**6474.9**
Stddev	8.8	156.	45.1
%RSD	.17833	.18447	.69616
#1	4953.2	84596.	6443.0
#2	4940.7	84375.	6506.8

Sample Name: 280-62208-C-1-A Acquired: 11/18/2014 5:53:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**5.7543**	**.00368**	**.03071**	**.05341**	**.00019**	**-.00468**	**58.891**	**.00010**
Stddev	.00006	.0074	.00434	.00013	.00002	.00002	.00037	.001	.00001
%RSD	11.073	.12913	118.05	.43335	.04163	8.7601	7.9996	.00142	11.297
#1	.00061	5.7490	.00061	.03081	.05343	.00018	-.00441	58.892	.00011
#2	.00052	5.7595	.00675	.03062	.05339	.00020	-.00494	58.890	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00567**	**.01411**	**3.7936**	**2.0985**	**.00365**	**2.1480**	**.07515**	**.00228**
Stddev	.00014	.00016	.00115	.0035	.0388	.00210	.1608	.00554	.00016
%RSD	11.595	2.8322	8.1208	.09254	1.8492	57.564	7.4835	7.3679	6.9552
#1	.00110	.00556	.01492	3.7912	2.0711	.00216	2.2617	.07906	.00239
#2	.00129	.00579	.01330	3.7961	2.1259	.00514	2.0344	.07123	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2458**	**.00662**	**.12781**	**.00912**	**1.7667**	**-.00009**	**.00382**	**13.696**	**.00063**
Stddev	.0083	.00008	.00195	.00185	.0015	.00051	.00175	.036	.00098
%RSD	.25568	1.2725	1.5268	20.327	.08586	600.04	45.816	.26652	154.75
#1	3.2517	.00656	.12643	.01044	1.7678	.00028	.00258	13.722	.00132
#2	3.2399	.00667	.12919	.00781	1.7656	-.00045	.00505	13.670	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06801**	**.00358**	**.03969**	**-.00039**	**.00363**	**.01155**	**.12925**	**.00247**
Stddev	.00010	.00284	.00260	.00040	.02126	.00088	.01069	.00067
%RSD	.15236	79.276	6.5593	103.81	585.59	7.6117	8.2718	27.158
#1	.06808	.00559	.04153	-.00010	-.01140	.01217	.13681	.00199
#2	.06794	.00157	.03785	-.00067	.01866	.01093	.12169	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5105.9**	**81555.**	**6610.3**
Stddev	10.9	5130.	32.6
%RSD	.21261	6.2906	.49377
#1	5113.6	77928.	6633.4
#2	5098.2	85183.	6587.2

Sample Name: 280-62215-B-3-B Acquired: 11/18/2014 5:56:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.98145**	**-.00215**	**.00831**	**.06606**	**.00005**	**-.00229**	**22.053**	**.00029**
Stddev	.00011	.00520	.00031	.00004	.00022	.00000	.00170	.153	.00006
%RSD	9.4387	.52939	14.268	.46901	.32585	8.6974	74.268	.69235	20.723
#1	.00109	.98513	-.00237	.00828	.06590	.00005	-.00350	21.945	.00033
#2	.00124	.97778	-.00194	.00834	.06621	.00006	-.00109	22.161	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00132**	**.00625**	**1.0739**	**1.8676**	**.00843**	**4.9647**	**.02193**	**.01085**
Stddev	.00015	.00020	.00016	.0066	.0238	.00039	.0037	.00001	.00043
%RSD	40.173	15.199	2.6152	.61521	1.2715	4.6762	.07529	.05552	3.9458
#1	.00028	.00146	.00614	1.0692	1.8508	.00815	4.9673	.02192	.01055
#2	.00049	.00118	.00637	1.0786	1.8843	.00871	4.9620	.02194	.01116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.384**	**.00044**	**.01733**	**.01162**	**2.8043**	**-.00113**	**-.00023**	**7.0174**	**.00035**
Stddev	.076	.00024	.00499	.00007	.0033	.00027	.00215	.0326	.00031
%RSD	.46281	54.189	28.778	.58841	.11618	24.039	920.93	.46395	87.958
#1	16.437	.00027	.02085	.01166	2.8020	-.00094	-.00175	6.9944	.00013
#2	16.330	.00061	.01380	.01157	2.8066	-.00133	.00129	7.0404	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58452**	**.00324**	**.04737**	**.00029**	**.21259**	**.00138**	**.02351**	**-.00102**
Stddev	.00246	.00295	.00040	.00103	.04435	.00013	.00002	.00010
%RSD	.42021	91.174	.85241	357.76	20.862	9.6785	.06764	10.125
#1	.58278	.00115	.04708	-.00044	.24395	.00147	.02350	-.00095
#2	.58626	.00533	.04765	.00102	.18123	.00128	.02352	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5108.5**	**86322.**	**6566.4**
Stddev	6.0	291.	66.7
%RSD	.11823	.33740	1.0165
#1	5104.3	86117.	6613.5
#2	5112.8	86528.	6519.2

Sample Name: 280-62215-B-3-B SD@5 Acquired: 11/18/2014 5:59:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.19832**	**-.00101**	**.00250**	**.01375**	**-.00002**	**-.00325**	**4.4572**	**-.00009**
Stddev	.00025	.00083	.00292	.00019	.00022	.00002	.00385	.0113	.00004
%RSD	31.861	.41961	289.86	7.5192	1.5658	116.68	118.37	.25299	41.402
#1	.00098	.19890	-.00307	.00264	.01390	-.00003	-.00053	4.4492	-.00012
#2	.00062	.19773	.00106	.00237	.01360	-.00000	-.00597	4.4652	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00022**	**.00103**	**.24206**	**.51706**	**.00115**	**1.0019**	**.00462**	**.00260**
Stddev	.00007	.00004	.00011	.00079	.07741	.00103	.0054	.00004	.00009
%RSD	66.607	19.217	10.650	.32770	14.972	90.084	.53939	.80328	3.4939
#1	.00006	.00025	.00110	.24150	.46232	.00188	1.0057	.00459	.00253
#2	.00016	.00019	.00095	.24262	.57179	.00042	.99805	.00464	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5427**	**-.00027**	**.00218**	**.00321**	**.56940**	**.00041**	**-.00110**	**1.3779**	**-.00067**
Stddev	.0024	.00022	.00192	.00242	.00633	.00164	.00311	.0092	.00044
%RSD	.06824	83.014	88.059	75.463	1.1124	395.29	283.37	.66820	65.336
#1	3.5410	-.00011	.00082	.00492	.57388	.00157	.00110	1.3844	-.00097
#2	3.5444	-.00043	.00354	.00150	.56492	-.00074	-.00330	1.3714	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11793**	**.00337**	**.00969**	**.00180**	**.03318**	**.00024**	**.00439**	**-.00148**
Stddev	.00036	.00015	.00034	.00000	.00200	.00002	.00024	.00120
%RSD	.30168	4.4261	3.4925	.25415	6.0302	8.9492	5.5048	81.443
#1	.11768	.00347	.00945	.00180	.03177	.00026	.00422	-.00063
#2	.11818	.00326	.00993	.00181	.03460	.00023	.00456	-.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5143.9**	**87019.**	**6504.9**
Stddev	15.0	87.	25.5
%RSD	.29117	.09997	.39233
#1	5133.3	86958.	6522.9
#2	5154.5	87081.	6486.8

Sample Name: 280-62215-B-3-C MS Acquired: 11/18/2014 6:01:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05830**	W **3.5367**	**1.0229**	**1.0855**	**2.1494**	**.04971**	**2.2766**	**72.615**	**.09893**
Stddev	.00059	.0069	.0017	.0005	.0040	.00002	.0161	.073	.00031
%RSD	1.0068	.19463	.16693	.04357	.18622	.04676	.70758	.10102	.30950
#1	.05871	3.5319	1.0241	1.0851	2.1466	.04973	2.2880	72.563	.09915
#2	.05788	3.5416	1.0216	1.0858	2.1522	.04969	2.2652	72.667	.09871
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50270**	**.20307**	**.26451**	**2.0386**	**54.077**	**1.0463**	**54.744**	**.52537**	**1.1160**
Stddev	.00001	.00022	.00144	.0069	.071	.0001	.070	.00046	.0020
%RSD	.00175	.11011	.54427	.33654	.13092	.01247	.12820	.08736	.18136
#1	.50270	.20323	.26553	2.0435	54.027	1.0462	54.794	.52505	1.1146
#2	.50269	.20291	.26349	2.0338	54.127	1.0464	54.695	.52570	1.1174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**69.837**	**.49655**	**10.580**	**.52578**	**5.1100**	**.55039**	**2.1899**	**17.956**	**2.1067**
Stddev	.184	.00050	.013	.00105	.0063	.00187	.0082	.064	.0022
%RSD	.26410	.10000	.12532	.20039	.12278	.33998	.37614	.35435	.10660
#1	69.707	.49620	10.589	.52504	5.1056	.55172	2.1957	17.911	2.1083
#2	69.967	.49690	10.570	.52653	5.1144	.54907	2.1841	18.001	2.1051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6047**	**1.0015**	**1.0745**	**2.0596**	**2.2884**	**.51724**	**.50879**	**.49260**
Stddev	.0025	.0008	.0013	.0067	.0002	.00041	.00080	.00160
%RSD	.15524	.08413	.11857	.32378	.01052	.07989	.15666	.32469
#1	1.6029	1.0021	1.0755	2.0643	2.2882	.51754	.50936	.49147
#2	1.6064	1.0009	1.0736	2.0549	2.2885	.51695	.50823	.49374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4921.4**	**83246.**	**6522.9**
Stddev	4.4	28.	7.1
%RSD	.08979	.03359	.10948
#1	4924.5	83227.	6517.8
#2	4918.3	83266.	6527.9

Sample Name: 280-62215-B-3-D MSD Acquired: 11/18/2014 6:04:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05871**	W **3.3946**	**1.0195**	**1.0825**	**2.1560**	**.04968**	**2.2675**	**71.933**	**.09849**
Stddev	.00066	.0161	.0015	.0002	.0023	.00021	.0092	.146	.00016
%RSD	1.1278	.47552	.15040	.01981	.10674	.41705	.40426	.20236	.15814
#1	.05917	3.3832	1.0206	1.0824	2.1543	.04983	2.2740	71.830	.09860
#2	.05824	3.4060	1.0184	1.0827	2.1576	.04953	2.2610	72.036	.09838
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00							
Low Limit		4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50140**	**.20244**	**.26399**	**1.9854**	**53.878**	**1.0497**	**54.489**	**.52350**	**1.1133**
Stddev	.00011	.00040	.00140	.0083	.032	.0053	.051	.00081	.0005
%RSD	.02146	.20004	.53112	.41914	.05931	.50142	.09395	.15489	.04506
#1	.50147	.20215	.26498	1.9795	53.900	1.0460	54.526	.52408	1.1137
#2	.50132	.20273	.26300	1.9913	53.855	1.0534	54.453	.52293	1.1130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**69.633**	**.49539**	**10.555**	**.52393**	**5.1285**	**.54813**	**2.1753**	**17.734**	**2.1008**
Stddev	.276	.00131	.011	.00160	.0119	.00348	.0058	.029	.0006
%RSD	.39671	.26370	.09958	.30512	.23154	.63438	.26572	.16287	.02953
#1	69.437	.49447	10.562	.52506	5.1369	.55059	2.1712	17.713	2.1004
#2	69.828	.49632	10.547	.52280	5.1201	.54567	2.1794	17.754	2.1012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5939**	**.99603**	**1.0689**	**2.0490**	**2.3074**	**.51542**	**.50796**	**.49119**
Stddev	.0037	.00232	.0012	.0009	.0128	.00022	.00195	.00003
%RSD	.23416	.23329	.10790	.04246	.55359	.04281	.38425	.00660
#1	1.5913	.99767	1.0697	2.0497	2.2984	.51558	.50934	.49117
#2	1.5966	.99438	1.0681	2.0484	2.3164	.51527	.50658	.49121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4923.8**	**83430.**	**6514.6**
Stddev	7.1	15.	16.9
%RSD	.14509	.01834	.26013
#1	4928.8	83441.	6502.6
#2	4918.7	83419.	6526.5

Sample Name: ccvh-2982968 Acquired: 11/18/2014 6:06:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	F **55.324**	**-.00173**	**.00641**	**.00155**	**-.00008**	F **1.1929**	**-.00952**	**-.00056**	**.00184**	**.00041**	**-.00295**
Stddev	.00036	.117	.00018	.00118	.00010	.00009	.0054	.02725	.00012	.00003	.00000	.00016
%RSD	4.5057	.21193	10.659	18.403	6.4156	117.08	.45631	286.40	21.122	1.5280	.48719	5.3429
#1	.00774	55.407	-.00186	.00725	.00148	-.00014	1.1967	.00975	-.00064	.00182	.00041	-.00306
#2	.00825	55.242	-.00160	.00558	.00162	-.00001	1.1890	-.02879	-.00048	.00186	.00042	-.00283
Check ?	None	Chk Fail	None	None	None	None	Chk Fail	None	None	None	None	None
Value		50.000					1.0000					
Range		10.000%					10.000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.479**	**.23104**	**.00116**	**.15359**	**-.00278**	**-.00155**	F **288.57**	**.00079**	**.00424**	**.00291**	F **5.7558**	**-.00168**
Stddev	.105	.00953	.00084	.00021	.00008	.00056	.86	.00006	.00115	.00156	.0075	.00108
%RSD	.19944	4.1265	72.098	.13723	2.9381	36.349	.29707	7.3948	27.007	53.423	.13095	64.462
#1	52.553	.22429	.00057	.15344	-.00284	-.00194	289.17	.00075	.00505	.00401	5.7611	-.00091
#2	52.405	.23778	.00175	.15374	-.00272	-.00115	287.96	.00083	.00343	.00181	5.7505	-.00244
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Fail	None
Value							250.00				5.0000	
Range							10.000%				10.000%	

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.01292**	**.00255**	**.00092**	**5.3559**	**-.02496**	**.00271**	F **11.163**	**.00415**	**-.00065**	**-.04412**
Stddev	.00099	.00279	.00078	.00063	.0342	.00001	.00037	.109	.00005	.00041	.00303
%RSD	472.77	21.624	30.417	69.149	.63924	.02168	13.523	.97282	1.2531	63.399	6.8632
#1	-.00091	-.01489	.00310	.00137	5.3317	-.02496	.00245	11.086	.00411	-.00094	-.04197
#2	.00049	-.01094	.00200	.00047	5.3802	-.02496	.00297	11.240	.00419	-.00036	-.04626
Check ?	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value								10.000			
Range								10.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4908.0**	**82189.**	**6419.9**
Stddev	5.0	641.	4.3
%RSD	.10113	.78014	.06730
#1	4904.5	82642.	6416.8
#2	4911.5	81735.	6422.9

Sample Name: ccv-2984587 Acquired: 11/18/2014 6:09:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.55038**	**.54987**	**1.0551**	**.54880**	**.53882**	**.51476**	**.00693**	**5.1996**	**.53574**	**.53157**	**.52273**	**.53328**
Stddev	.00058	.00127	.0095	.00118	.00049	.00109	.00022	.0070	.00099	.00019	.00018	.00026
%RSD	.10614	.23062	.90301	.21447	.09073	.21197	3.1368	.13486	.18428	.03509	.03484	.04840
#1	.54997	.54898	1.0483	.54964	.53917	.51553	.00708	5.2045	.53644	.53170	.52286	.53347
#2	.55079	.55077	1.0618	.54797	.53848	.51398	.00678	5.1946	.53505	.53144	.52260	.53310
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4892**	**53.490**	**1.0753**	**20.715**	**.52825**	**.54990**	F **5.9504**	**.52722**	**1.0477**	**1.0787**	**.01620**	F **1.1046**
Stddev	.0066	.128	.0019	.004	.00097	.00031	.0414	.00042	.0054	.0016	.00184	.0006
%RSD	.26457	.24006	.18102	.01741	.18428	.05598	.69596	.07982	.51251	.15015	11.333	.05155
#1	2.4938	53.581	1.0739	20.718	.52756	.55012	5.9797	.52692	1.0439	1.0799	.01750	1.1050
#2	2.4845	53.400	1.0766	20.713	.52894	.54968	5.9212	.52752	1.0515	1.0776	.01490	1.1042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
Value							5.0000					1.0000
Range							10.000%					10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1189**	**5.0230**	**1.0928**	**.52347**	**.02876**	**.53014**	F **1.1043**	**.01027**	**.52860**	**.50799**	**.51831**
Stddev	.0029	.0192	.0008	.00123	.00166	.00006	.0012	.00918	.00052	.00155	.00079
%RSD	.26195	.38272	.07359	.23520	5.7785	.01155	.10623	89.362	.09744	.30606	.15148
#1	1.1210	5.0094	1.0922	.52435	.02993	.53010	1.1051	.00378	.52823	.50689	.51886
#2	1.1169	5.0366	1.0934	.52260	.02758	.53019	1.1034	.01676	.52896	.50909	.51775
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000						1.0000				
Range	10.000%						10.000%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5040.6**	**84749.**	**6446.7**
Stddev	.4	68.	3.5
%RSD	.00806	.08036	.05487
#1	5040.3	84797.	6444.2
#2	5040.9	84701.	6449.2

Sample Name: CCB Acquired: 11/18/2014 6:11:52 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00105	-.00552	-.00281	F .00336	.00057	.00010	-.00477	.00575	.00021	-.00043	-.00018	-.00040
Stddev	.00035	.00070	.00007	.00070	.00022	.00002	.00017	.00510	.00011	.00036	.00013	.00009
%RSD	33.154	12.727	2.4778	20.741	39.293	20.259	3.5618	88.694	51.522	85.025	69.396	22.385
#1	.00130	-.00502	-.00286	.00385	.00073	.00008	-.00489	.00935	.00028	-.00068	-.00009	-.00046
#2	.00080	-.00602	-.00276	.00287	.00041	.00011	-.00465	.00214	.00013	-.00017	-.00027	-.00034
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .08155	.16686	-.00022	.01001	F .00060	.00069	F .69122	-.00042	-.00085	-.00119	.01729	.00062
Stddev	.00010	.02285	.00041	.00059	.00010	.00066	.00672	.00004	.00047	.00119	.00295	.00151
%RSD	.12132	13.696	185.89	5.9375	17.119	95.740	.97216	9.5482	55.252	99.174	17.032	242.66
#1	.08148	.18302	.00007	.01043	.00067	.00022	.69597	-.00045	-.00119	-.00203	.01521	.00169
#2	.08162	.15070	-.00051	.00959	.00053	.00116	.68647	-.00039	-.00052	-.00036	.01937	-.00045
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.04400				.00051		.20152					
Low Limit	-.04400				-.00051		-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00149	-.00272	.00024	.00017	.00329	.00045	.00004	.02193	-.00034	-.00049	-.00228
Stddev	.00178	.00185	.00026	.00004	.00015	.00020	.00106	.01191	.00097	.00005	.00011
%RSD	119.53	68.066	110.43	25.980	4.6599	44.002	3024.0	54.306	288.68	9.9976	4.9714
#1	.00276	-.00141	.00005	.00013	.00339	.00060	-.00071	.01351	-.00103	-.00045	-.00220
#2	.00023	-.00403	.00042	.00020	.00318	.00031	.00079	.03035	.00035	-.00052	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5109.4	86947.	6455.3
Stddev	5.7	189.	12.8
%RSD	.11161	.21716	.19876
#1	5105.3	87080.	6464.4
#2	5113.4	86813.	6446.2

Sample Name: CCVL2994499 Acquired: 11/18/2014 6:14:34 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01272**	**.11581**	**.01617**	**.11535**	**.01191**	**.00111**	W **.12872**	**.21677**	W **.00603**	**.01155**	**.01100**	**.01699**
Stddev	.00063	.00043	.00047	.00081	.00008	.00002	.00389	.00069	.00015	.00010	.00001	.00005
%RSD	4.9823	.37148	2.9150	.70100	.67038	2.0034	3.0199	.31602	2.4289	.86684	.13235	.32240
#1	.01228	.11551	.01651	.11478	.01196	.00113	.13147	.21726	.00614	.01162	.01101	.01695
#2	.01317	.11612	.01584	.11592	.01185	.00110	.12597	.21629	.00593	.01148	.01099	.01702
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value	.01000						.10000		.00500			
Range	20.000%						20.000%		20.000%			

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10531**	W **3.6515**	F **.01311**	**.23228**	**.01142**	**.02301**	F **1.6208**	**.04549**	**3.1849**	W **.01155**	**.01741**	**.01165**
Stddev	.00328	.0233	.00183	.00060	.00000	.00023	.0021	.00011	.0068	.00034	.00210	.00056
%RSD	3.1187	.63876	13.934	.25786	.01020	1.0097	.12775	.23937	.21291	2.9454	12.087	4.8121
#1	.10764	3.6350	.01181	.23186	.01142	.02317	1.6223	.04557	3.1801	.01179	.01592	.01205
#2	.10299	3.6679	.01440	.23271	.01142	.02284	1.6194	.04541	3.1897	.01131	.01889	.01125
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value		3.0000	.01000				1.0000			.00900		
Range		20.000%	30.000%				30.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01769**	**.52388**	**.11653**	**.01118**	W **.01894**	**.01128**	**.01799**	F **.11031**	**.01055**	**.02140**	**.01557**
Stddev	.00437	.00736	.00058	.00003	.00060	.00031	.00153	.02637	.00074	.00014	.00050
%RSD	24.722	1.4052	.49779	.27826	3.1582	2.7725	8.4894	23.903	6.9799	.66739	3.2349
#1	.01460	.52908	.11612	.01120	.01936	.01106	.01907	.09166	.01003	.02130	.01521
#2	.02078	.51867	.11694	.01116	.01851	.01150	.01691	.12895	.01107	.02150	.01593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5134.7**	**87075.**	**6465.9**
Stddev	7.4	28.	40.0
%RSD	.14434	.03183	.61899
#1	5129.5	87095.	6494.2
#2	5140.0	87055.	6437.6

Sample Name: 280-62215-D-4-D Acquired: 11/18/2014 6:17:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**4.0454**	**.00258**	**.01199**	**.13721**	**.00016**	**-.00086**	**22.931**	**.00046**
Stddev	.00006	.0466	.00065	.00035	.00027	.00008	.00077	.014	.00014
%RSD	3.8490	1.1517	25.000	2.9529	.19893	47.707	90.450	.06248	30.243
#1	.00158	4.0125	.00213	.01174	.13741	.00011	-.00140	22.941	.00036
#2	.00167	4.0784	.00304	.01225	.13702	.00022	-.00031	22.920	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00497**	**.03701**	**5.3922**	**3.3733**	**.00781**	**6.4330**	**.13068**	**.01019**
Stddev	.00025	.00001	.00039	.0134	.0005	.00036	.0209	.00045	.00005
%RSD	18.608	.16961	1.0599	.24784	.01371	4.5761	.32491	.34521	.50151
#1	.00150	.00497	.03729	5.4016	3.3730	.00756	6.4478	.13100	.01016
#2	.00115	.00496	.03674	5.3827	3.3736	.00806	6.4182	.13036	.01023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.227**	**.00394**	**.14947**	**.09684**	**5.5577**	**.00173**	**-.00094**	**13.499**	**.00003**
Stddev	.157	.00038	.00186	.00061	.0172	.00111	.00225	.003	.00124
%RSD	1.2820	9.6151	1.2428	.62963	.31021	64.152	238.88	.02515	4572.0
#1	12.338	.00421	.15078	.09641	5.5699	.00095	-.00253	13.502	.00090
#2	12.116	.00368	.14815	.09727	5.5455	.00252	.00065	13.497	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43369**	**.00486**	**.18571**	**.00005**	**.14153**	**.00709**	**.22647**	**.00182**
Stddev	.00014	.00090	.00077	.00005	.00160	.00007	.00127	.00067
%RSD	.03325	18.477	.41501	90.967	1.1279	.94884	.55925	36.970
#1	.43379	.00550	.18626	.00002	.14040	.00714	.22737	.00134
#2	.43359	.00423	.18517	.00008	.14266	.00704	.22558	.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5154.8**	**85966.**	**6646.3**
Stddev	2.5	178.	6.8
%RSD	.04759	.20751	.10280
#1	5153.1	85839.	6641.5
#2	5156.6	86092.	6651.1

Sample Name: 280-62222-B-1-A Acquired: 11/18/2014 6:19:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.75829**	**-.00048**	**.06048**	**.03324**	**.00007**	**.00030**	**50.327**	**-.00009**
Stddev	.00051	.00651	.00298	.00045	.00038	.00001	.00027	.091	.00014
%RSD	84.878	.85878	620.46	.74912	1.1435	14.099	90.693	.17990	163.09
#1	.00024	.76290	-.00259	.06016	.03297	.00006	.00049	50.391	-.00019
#2	.00095	.75369	.00163	.06080	.03351	.00008	.00011	50.263	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00166**	**.00099**	**.32120**	**3.3284**	**.00641**	**1.7451**	**.02405**	**.00111**
Stddev	.00031	.00017	.00044	.00203	.0492	.00273	.0078	.00003	.00006
%RSD	191.59	10.057	44.642	.63067	1.4791	42.600	.44636	.10997	5.6341
#1	-.00006	.00154	.00068	.32264	3.2936	.00834	1.7506	.02403	.00115
#2	.00038	.00178	.00130	.31977	3.3633	.00448	1.7396	.02407	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	589.592 { 57}	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3563**	W **9.9437**	**.00192**	**.03506**	**.00045**	**31.856**	**.00063**	**.00412**	**2.2187**
Stddev	.0027	.1823	.00007	.00131	.00182	.042	.00046	.00424	.0027
%RSD	.02938	1.8330	3.6899	3.7436	406.15	.13070	73.211	102.95	.11945
#1	9.3544	9.8148	.00187	.03599	.00173	31.886	.00030	.00112	2.2205
#2	9.3583	10.073	.00197	.03413	-.00084	31.827	.00096	.00711	2.2168
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	500.00							
Low Limit	-.50000	10.000							

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.77543**	**.00274**	**.03780**	**.00024**	**.00099**	**.00162**	**.00156**	**-.00012**
Stddev	.00031	.00065	.00075	.00124	.00030	.00918	.00050	.00028	.00134
%RSD	357.50	.08421	27.542	3.2804	122.46	925.92	30.996	18.027	1101.3
#1	-.00013	.77590	.00327	.03867	.00045	.00748	.00197	.00136	-.00107
#2	.00031	.77497	.00220	.03692	.00003	-.00550	.00126	.00176	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5163.5**	**87327.**	**6589.8**
Stddev	9.7	244.	6.1
%RSD	.18790	.27914	.09272
#1	5156.6	87499.	6594.1
#2	5170.4	87155.	6585.5

Sample Name: 280-62222-B-2-A Acquired: 11/18/2014 6:22:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.86036**	**-.00080**	**.12691**	**.06997**	**.00001**	**-.00259**	**107.69**	**.00018**
Stddev	.00032	.00232	.00509	.00053	.00020	.00004	.00047	.10	.00008
%RSD	37.204	.26976	632.85	.41821	.28932	260.30	18.232	.09193	46.097
#1	.00064	.85872	.00279	.12654	.07011	.00004	-.00292	107.62	.00024
#2	.00109	.86200	-.00440	.12729	.06983	-.00001	-.00225	107.76	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00268**	**.00229**	**.58914**	**6.7181**	**.01096**	**3.6110**	**.04035**	**.00199**
Stddev	.00016	.00007	.00004	.00040	.0297	.00020	.0065	.00019	.00051
%RSD	50.426	2.4880	1.5917	.06738	.44235	1.8231	.18047	.47425	25.519
#1	.00020	.00263	.00226	.58942	6.7391	.01110	3.6064	.04021	.00163
#2	.00043	.00272	.00231	.58886	6.6971	.01082	3.6157	.04048	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.663**	**.00388**	**.06823**	**.00007**	**67.444**	**.00089**	**-.00177**	**3.3206**	**.00055**
Stddev	.579	.00028	.00168	.00070	.008	.00116	.00684	.0180	.00003
%RSD	2.8010	7.3268	2.4579	1041.5	.01244	130.90	386.37	.54155	5.7855
#1	20.254	.00368	.06941	-.00043	67.438	.00171	-.00661	3.3333	.00053
#2	21.072	.00408	.06704	.00056	67.450	.00007	.00307	3.3079	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6894**	**.00380**	**.00973**	**.00108**	**.01583**	**.00290**	**.00343**	**.00110**
Stddev	.0003	.00147	.00013	.00021	.02665	.00010	.00033	.00139
%RSD	.01986	38.698	1.3794	19.726	168.41	3.3669	9.5041	125.66
#1	1.6896	.00276	.00983	.00093	.03468	.00283	.00320	.00208
#2	1.6892	.00484	.00964	.00124	-.00302	.00297	.00366	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5013.0**	**85021.**	**6571.9**
Stddev	.0	433.	12.0
%RSD	.00083	.50873	.18278
#1	5013.0	85327.	6580.4
#2	5013.0	84715.	6563.4

Sample Name: 280-62222-B-3-A Acquired: 11/18/2014 6:25:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 251953 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.71811**	**-.00096**	**.12832**	**.06942**	**.00007**	**-.00221**	**108.89**	**.00011**
Stddev	.00011	.00144	.00131	.00038	.00028	.00003	.00009	.18	.00007
%RSD	11.536	.20006	136.13	.29780	.39930	39.534	4.1551	.16379	68.271
#1	.00087	.71912	-.00004	.12859	.06922	.00009	-.00215	108.76	.00016
#2	.00102	.71709	-.00188	.12805	.06962	.00005	-.00228	109.01	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00245**	**.00242**	**.50947**	**6.7815**	**.01113**	**3.5855**	**.05162**	**.00212**
Stddev	.00015	.00014	.00001	.00770	.0187	.00037	.0010	.00018	.00022
%RSD	64.359	5.5668	.44623	1.5121	.27638	3.3313	.02720	.35504	10.563
#1	.00035	.00255	.00243	.50402	6.7683	.01139	3.5862	.05175	.00196
#2	.00013	.00236	.00241	.51491	6.7948	.01086	3.5848	.05149	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.581**	**.00337**	**.06811**	**.00127**	**67.533**	**.00070**	**-.00085**	**3.0665**	**-.00094**
Stddev	.147	.00023	.00001	.00020	.183	.00027	.00130	.0127	.00032
%RSD	.71355	6.9393	.01978	15.398	.27039	38.467	153.30	.41510	33.864
#1	20.477	.00353	.06812	.00141	67.662	.00088	.00007	3.0755	-.00116
#2	20.685	.00320	.06810	.00113	67.404	.00051	-.00176	3.0575	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6882**	**.00384**	**.00884**	**.00025**	**.00989**	**.00259**	**.00367**	**.00144**
Stddev	.0051	.00018	.00000	.00092	.00395	.00027	.00061	.00155
%RSD	.30163	4.8177	.05197	363.38	40.007	10.371	16.686	107.67
#1	1.6846	.00397	.00885	.00091	.00709	.00240	.00411	.00253
#2	1.6918	.00371	.00884	-.00040	.01268	.00279	.00324	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5009.8**	**85417.**	**6544.3**
Stddev	11.9	65.	4.4
%RSD	.23758	.07583	.06654
#1	5001.4	85371.	6547.3
#2	5018.2	85463.	6541.2

Sample Name: ccvh-2982968 Acquired: 11/18/2014 6:27:48 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00694**	**49.815**	**-.00073**	**.00367**	**.00067**	**-.00001**	**1.0767**	**-.01748**	**-.00031**	**.00191**	**.00016**	**-.00295**	**47.111**
Stddev	.00030	.003	.00068	.00024	.00007	.00008	.0005	.00465	.00009	.00004	.00006	.00007	.118
%RSD	4.2886	.00632	93.131	6.5830	9.8776	692.49	.04647	26.582	29.656	2.2743	36.943	2.4730	.24968
#1	.00715	49.813	-.00025	.00384	.00072	.00004	1.0763	-.01420	-.00025	.00194	.00012	-.00300	47.028
#2	.00673	49.817	-.00120	.00349	.00063	-.00007	1.0770	-.02077	-.00038	.00188	.00020	-.00290	47.194
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18169**	**.00148**	**.12918**	**-.00312**	**-.00167**	**261.62**	**.00095**	**.00324**	**.00437**	**5.2156**	**-.00214**	**.00366**	**-.01803**
Stddev	.01504	.00090	.00123	.00001	.00005	.45	.00016	.00097	.00034	.0144	.00360	.00251	.01874
%RSD	8.2784	60.949	.94865	.35300	2.8740	.17257	16.832	30.049	7.7403	.27543	168.13	68.585	103.93
#1	.17106	.00084	.13004	-.00313	-.00170	261.94	.00083	.00393	.00413	5.2258	.00040	.00189	-.03129
#2	.19233	.00212	.12831	-.00311	-.00164	261.30	.00106	.00255	.00460	5.2055	-.00468	.00544	-.00478
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00056**	**4.8630**	**-.02329**	**.00012**	**10.107**	**.00388**	**-.00076**	**-.04373**
Stddev	.00076	.00013	.0105	.00039	.00101	.072	.00032	.00001	.00162
%RSD	43.887	23.406	.21567	1.6671	814.74	.70907	8.1742	1.5651	3.7028
#1	.00227	.00065	4.8704	-.02302	-.00059	10.157	.00365	-.00075	-.04488
#2	.00120	.00046	4.8556	-.02357	.00083	10.056	.00410	-.00077	-.04259
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4941.0**	**82649.**	**6429.2**
Stddev	11.7	212.	23.7
%RSD	.23753	.25592	.36903
#1	4932.7	82499.	6446.0
#2	4949.3	82798.	6412.5

Sample Name: ccv-2984587 Acquired: 11/18/2014 6:30:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52084**	**.51913**	**1.0021**	**.51865**	**.51144**	**.48785**	**.00813**	**4.9310**	**.51057**	**.50541**	**.49734**	**.50921**
Stddev	.00119	.00116	.0044	.00012	.00168	.00146	.00164	.0190	.00174	.00089	.00117	.00044
%RSD	.22930	.22375	.43865	.02249	.32796	.29917	20.203	.38606	.34009	.17619	.23425	.08672
#1	.52169	.51996	1.0052	.51857	.51026	.48682	.00697	4.9175	.51180	.50604	.49816	.50952
#2	.52000	.51831	.99897	.51874	.51263	.48888	.00929	4.9444	.50934	.50478	.49651	.50890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3399**	**50.844**	**1.0226**	**19.757**	**.50054**	**.51591**	F **5.6041**	**.50106**	**.99780**	**1.0261**	**.02026**	**1.0524**
Stddev	.0027	.167	.0055	.059	.00160	.00145	.0036	.00088	.00485	.0018	.00567	.0045
%RSD	.11540	.32777	.54130	.29755	.31995	.28184	.06407	.17469	.48607	.17875	28.003	.42338
#1	2.3418	50.726	1.0186	19.798	.50168	.51694	5.6066	.50168	1.0012	1.0274	.01625	1.0556
#2	2.3380	50.962	1.0265	19.715	.49941	.51488	5.6015	.50045	.99437	1.0248	.02427	1.0493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0619**	**4.7557**	**1.0299**	**.49787**	**.02675**	**.50147**	**1.0508**	**-.00474**	**.49923**	**.48182**	**.48788**
Stddev	.0063	.0105	.0047	.00104	.00004	.00116	.0040	.03728	.00050	.00017	.00022
%RSD	.59059	.22113	.46169	.20866	.13290	.23193	.37590	786.01	.10081	.03452	.04534
#1	1.0663	4.7483	1.0332	.49713	.02673	.50229	1.0536	-.03110	.49958	.48194	.48773
#2	1.0574	4.7632	1.0265	.49860	.02678	.50065	1.0480	.02162	.49887	.48170	.48804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5082.6**	**85311.**	**6483.5**
Stddev	.8	319.	20.5
%RSD	.01647	.37374	.31615
#1	5083.2	85086.	6498.0
#2	5082.0	85537.	6469.0

Sample Name: CCB Acquired: 11/18/2014 6:32:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00449**	**-.00012**	W **.00195**	**.00028**	**.00018**	**-.00156**	**-.00078**	**.00013**	**-.00002**	**-.00025**	**-.00012**
Stddev	.00052	.00152	.00092	.00005	.00004	.00000	.00235	.00275	.00002	.00010	.00010	.00003
%RSD	67.153	33.736	741.60	2.7191	14.834	.31031	151.16	351.31	12.167	422.49	38.175	24.315
#1	.00040	-.00556	.00053	.00191	.00025	.00018	.00011	-.00272	.00012	-.00010	-.00032	-.00014
#2	.00113	-.00342	-.00077	.00198	.00031	.00018	-.00322	.00116	.00014	.00005	-.00018	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156								
Low Limit				-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.16564**	**-.00016**	**.00654**	**.00006**	**.00062**	F **.40776**	**-.00062**	**.00008**	**.00005**	**.01913**	**-.00051**
Stddev	.00027	.01216	.00018	.00160	.00001	.00027	.00191	.00008	.00279	.00028	.00284	.00109
%RSD	236.17	7.3384	106.79	24.495	11.235	43.553	.46783	12.805	3512.8	512.10	14.839	213.53
#1	.00008	.17424	-.00004	.00768	.00006	.00081	.40911	-.00068	.00205	-.00014	.02114	-.00128
#2	-.00031	.15705	-.00029	.00541	.00007	.00043	.40641	-.00056	-.00189	.00025	.01713	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**-.00212**	**.00017**	**.00018**	**.00372**	**.00042**	**.00020**	**-.00556**	**.00039**	**-.00076**	**-.00166**
Stddev	.00279	.01210	.00036	.00009	.00005	.00023	.00106	.00004	.00055	.00010	.00066
%RSD	518.12	569.34	212.95	52.544	1.4302	55.872	529.33	.73868	142.31	13.124	39.757
#1	.00143	.00643	.00042	.00011	.00369	.00058	.00095	-.00553	.00077	-.00083	-.00119
#2	-.00251	-.01068	-.00008	.00024	.00376	.00025	-.00055	-.00558	-.00000	-.00069	-.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5135.5**	**86040.**	**6497.9**
Stddev	5.6	1132.	9.5
%RSD	.10944	1.3160	.14626
#1	5139.5	85239.	6491.2
#2	5131.5	86841.	6504.6

Sample Name: CCVL2994499 Acquired: 11/18/2014 6:35:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01192**	**.10517**	**.01391**	**.10705**	**.01086**	**.00104**	**.11920**	**.19927**	**.00545**	**.01073**	**.01016**	**.01626**
Stddev	.00034	.00173	.00171	.00005	.00002	.00004	.00117	.00137	.00008	.00031	.00022	.00021
%RSD	2.8663	1.6446	12.331	.04604	.22791	3.9714	.97919	.68847	1.4543	2.9173	2.1681	1.2918
#1	.01216	.10395	.01269	.10701	.01084	.00107	.11837	.19830	.00550	.01096	.01032	.01641
#2	.01167	.10639	.01512	.10708	.01088	.00101	.12002	.20024	.00539	.01051	.01001	.01612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09549**	**3.3830**	**.01075**	**.21783**	**.01067**	**.02129**	F **1.4926**	**.04194**	**2.9909**	**.01010**	**.01301**	**.01111**
Stddev	.00018	.0160	.00075	.00311	.00002	.00023	.0037	.00010	.0088	.00068	.00012	.00115
%RSD	.18687	.47310	7.0161	1.4285	.16209	1.0748	.24939	.22873	.29364	6.7644	.89327	10.394
#1	.09537	3.3944	.01022	.22003	.01069	.02113	1.4899	.04187	2.9847	.00962	.01293	.01029
#2	.09562	3.3717	.01129	.21563	.01066	.02146	1.4952	.04201	2.9972	.01059	.01309	.01193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							1.0000					
Range							30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01542**	**.47373**	**.10875**	**.01040**	W **.01835**	**.01045**	**.01648**	**.06461**	**.01053**	**.01963**	**.01504**
Stddev	.00230	.01020	.00017	.00001	.00023	.00049	.00020	.01185	.00007	.00028	.00158
%RSD	14.936	2.1536	.15638	.12821	1.2284	4.7316	1.2336	18.344	.70876	1.4286	10.505
#1	.01379	.48094	.10863	.01041	.01851	.01080	.01662	.07299	.01048	.01983	.01393
#2	.01704	.46651	.10887	.01039	.01819	.01010	.01633	.05623	.01059	.01943	.01616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.01500						
Range					20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5164.9**	**86652.**	**6523.7**
Stddev	6.6	539.	22.5
%RSD	.12790	.62168	.34501
#1	5160.2	86271.	6539.6
#2	5169.6	87033.	6507.8

Sample Name: ccvh-2982968 Acquired: 11/18/2014 6:38:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00737**	**49.135**	**-.00152**	**.00333**	**.00070**	**-.00000**	**1.0709**	**-.04055**	**-.00029**	**.00157**	**.00025**	**-.00300**	**46.225**
Stddev	.00069	.078	.00229	.00021	.00001	.00004	.0001	.00192	.00010	.00023	.00010	.00037	.110
%RSD	9.4098	.15795	150.77	6.4416	1.9360	1610.9	.01305	4.7306	34.579	14.531	39.494	12.316	.23844
#1	.00688	49.081	-.00313	.00349	.00071	-.00003	1.0710	-.04190	-.00036	.00173	.00018	-.00327	46.147
#2	.00786	49.190	.00010	.00318	.00069	.00003	1.0708	-.03919	-.00022	.00141	.00032	-.00274	46.303
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13376**	**.00129**	**.12889**	**-.00314**	**-.00174**	**257.68**	**.00047**	**.00338**	**.00296**	**5.1626**	**-.00151**	**.00026**	**-.00844**
Stddev	.06331	.00046	.00039	.00004	.00053	.83	.00016	.00288	.00085	.0109	.00248	.00127	.00742
%RSD	47.332	35.315	.30608	1.2951	30.801	.32068	33.288	85.214	28.548	.21094	164.16	491.50	87.924
#1	.08899	.00161	.12861	-.00317	-.00136	257.10	.00036	.00134	.00356	5.1703	-.00326	.00116	-.00319
#2	.17852	.00097	.12917	-.00311	-.00211	258.27	.00058	.00542	.00236	5.1549	.00024	-.00064	-.01368
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**.00028**	**4.8136**	**-.02308**	**.00114**	**9.9210**	**.00316**	**-.00059**	**-.04026**
Stddev	.00043	.00000	.0005	.00001	.00034	.0221	.00039	.00038	.00047
%RSD	23.643	1.1868	.01028	.04876	29.395	.22291	12.295	64.419	1.1631
#1	.00151	.00027	4.8139	-.02307	.00091	9.9366	.00343	-.00032	-.04059
#2	.00212	.00028	4.8132	-.02309	.00138	9.9053	.00288	-.00085	-.03993
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4958.4**	**82671.**	**6518.4**
Stddev	5.0	46.	20.3
%RSD	.10037	.05556	.31125
#1	4954.9	82638.	6532.7
#2	4962.0	82703.	6504.0

Sample Name: ccv-2984587 Acquired: 11/18/2014 6:40:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51993**	**.51713**	**1.0057**	**.51809**	**.50838**	**.48591**	**.00832**	**4.9090**	**.51094**	**.50538**	**.49615**	**.50920**
Stddev	.00089	.00033	.0035	.00003	.00082	.00073	.00136	.0062	.00064	.00040	.00099	.00040
%RSD	.17070	.06444	.34869	.00512	.16066	.14955	16.307	.12659	.12623	.07929	.20028	.07824
#1	.52056	.51737	1.0032	.51807	.50780	.48643	.00928	4.9134	.51140	.50566	.49686	.50949
#2	.51931	.51690	1.0081	.51811	.50895	.48540	.00736	4.9046	.51049	.50509	.49545	.50892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3262**	**50.661**	**1.0194**	**19.749**	**.49985**	**.51387**	F **5.5526**	**.50082**	**.99619**	**1.0257**	**.00443**	**1.0479**
Stddev	.0032	.021	.0002	.019	.00027	.00018	.0049	.00031	.00340	.0021	.00493	.0043
%RSD	.13754	.04188	.02182	.09727	.05450	.03523	.08775	.06182	.34082	.20527	111.18	.41492
#1	2.3284	50.676	1.0193	19.735	.49966	.51400	5.5560	.50104	.99859	1.0242	.00792	1.0448
#2	2.3239	50.646	1.0196	19.762	.50004	.51374	5.5491	.50060	.99379	1.0272	.00095	1.0510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0568**	**4.7558**	**1.0273**	**.49656**	**.02889**	**.49949**	**1.0499**	**.01026**	**.49864**	**.48324**	**.48949**
Stddev	.0060	.0020	.0001	.00034	.00215	.00129	.0055	.00985	.00026	.00133	.00091
%RSD	.56770	.04225	.01038	.06931	7.4363	.25849	.52449	96.043	.05216	.27500	.18572
#1	1.0610	4.7543	1.0272	.49680	.02737	.49858	1.0538	.01722	.49845	.48230	.49013
#2	1.0525	4.7572	1.0274	.49632	.03040	.50040	1.0460	.00329	.49882	.48418	.48884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5087.0**	**85220.**	**6528.6**
Stddev	8.7	247.	4.6
%RSD	.17140	.29034	.07013
#1	5080.8	85395.	6531.8
#2	5093.2	85045.	6525.3

Sample Name: CCB Acquired: 11/18/2014 6:43:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00507**	**-.00132**	W **.00197**	**.00040**	**.00020**	**-.00277**	**-.00684**	**.00030**	**-.00005**	**-.00010**	**.00005**
Stddev	.00047	.00041	.00312	.00027	.00013	.00014	.00017	.00576	.00012	.00021	.00005	.00035
%RSD	78.774	8.0233	236.29	13.539	32.945	72.311	5.9874	84.198	40.777	393.94	56.468	650.53
#1	.00092	-.00478	-.00353	.00178	.00031	.00030	-.00289	-.00277	.00039	.00009	-.00006	.00030
#2	.00026	-.00536	.00089	.00216	.00050	.00010	-.00266	-.01092	.00021	-.00020	-.00013	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156								
Low Limit				-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**.17457**	**.00103**	**.00484**	**.00005**	**.00035**	F **.37428**	**-.00053**	**-.00202**	**.00106**	**.00896**	**.00022**
Stddev	.00183	.00994	.00190	.00131	.00003	.00012	.00268	.00011	.00001	.00081	.00055	.00140
%RSD	68.608	5.6912	184.90	27.042	70.805	35.637	.71563	21.119	.66900	76.568	6.1401	649.99
#1	.00396	.16754	.00237	.00577	.00002	.00026	.37618	-.00061	-.00201	.00163	.00935	-.00078
#2	.00137	.18159	-.00032	.00392	.00007	.00044	.37239	-.00045	-.00203	.00049	.00857	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00667**	**-.00038**	**.00006**	**.00212**	**.00039**	**-.00085**	**.00934**	**.00005**	**-.00117**	**-.00002**
Stddev	.00398	.01135	.00015	.00009	.00069	.00015	.00096	.00034	.00020	.00037	.00295
%RSD	477.93	170.24	38.790	135.21	32.299	37.560	113.54	3.6654	385.85	32.066	16487.
#1	.00365	.00136	-.00028	.00000	.00261	.00049	-.00153	.00959	.00019	-.00090	.00207
#2	-.00198	-.01470	-.00049	.00012	.00164	.00028	-.00017	.00910	-.00009	-.00143	-.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5146.4**	**87094.**	**6476.2**
Stddev	.2	281.	11.9
%RSD	.00388	.32269	.18393
#1	5146.6	87293.	6484.7
#2	5146.3	86895.	6467.8

Sample Name: CCVL2994499 Acquired: 11/18/2014 6:46:05 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01170**	**.10538**	**.01291**	**.10534**	**.01092**	**.00109**	**.11884**	**.19730**	**.00551**	**.01076**	**.01027**	**.01624**
Stddev	.00050	.00086	.00076	.00036	.00014	.00007	.00096	.00367	.00004	.00004	.00001	.00033
%RSD	4.2463	.81139	5.8768	.34581	1.2808	6.4348	.80928	1.8600	.73685	.34594	.09738	2.0170
#1	.01135	.10477	.01238	.10508	.01102	.00114	.11952	.19989	.00554	.01073	.01026	.01601
#2	.01206	.10598	.01345	.10559	.01082	.00104	.11816	.19470	.00548	.01079	.01028	.01647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09516**	**3.3589**	**.00970**	**.21882**	**.01054**	**.02074**	F **1.4558**	**.04173**	**2.9524**	W **.01150**	**.00784**	**.01112**
Stddev	.00287	.0129	.00218	.00156	.00004	.00039	.0077	.00015	.0152	.00170	.00044	.00004
%RSD	3.0198	.38425	22.493	.71137	.33496	1.9035	.52599	.36231	.51353	14.759	5.6396	.33288
#1	.09719	3.3497	.00816	.21992	.01056	.02046	1.4613	.04162	2.9632	.01030	.00753	.01110
#2	.09312	3.3680	.01124	.21772	.01051	.02102	1.4504	.04183	2.9417	.01270	.00815	.01115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value							1.0000			.00900		
Range							30.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01773**	**.46375**	**.10567**	**.01034**	**.01730**	**.01018**	**.01710**	F **.09627**	**.01016**	**.02060**	**.01408**
Stddev	.00305	.00624	.00007	.00001	.00132	.00026	.00071	.02832	.00028	.00108	.00047
%RSD	17.221	1.3445	.06927	.08279	7.6422	2.5149	4.1739	29.417	2.7375	5.2563	3.3062
#1	.01557	.45934	.10572	.01033	.01636	.01037	.01760	.11630	.00996	.01983	.01375
#2	.01989	.46815	.10562	.01034	.01823	.01000	.01659	.07625	.01036	.02136	.01441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.6**	**87186.**	**6523.9**
Stddev	10.1	149.	3.2
%RSD	.19590	.17044	.04927
#1	5172.8	87081.	6526.2
#2	5158.5	87291.	6521.7

Sample Name: 280-62224-A-1-A PDS Acquired: 11/18/2014 6:48:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/10 Custom ID2: Custom ID3:
Comment: 252082 6010C Q4 (Ag)

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03988**	**6.4092**	**.20490**	**.12460**	**.15223**	**.04868**	**-.00297**	**54.953**	**.05098**
Stddev	.00065	.0003	.00595	.00020	.00013	.00025	.00039	.212	.00003
%RSD	1.6242	.00459	2.9062	.15846	.08377	.51453	13.072	.38516	.05946
#1	.04033	6.4090	.20911	.12474	.15232	.04885	-.00270	55.102	.05100
#2	.03942	6.4094	.20069	.12446	.15214	.04850	-.00325	54.803	.05096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06932**	**.05557**	**.08658**	**12.753**	**22.328**	**.11319**	**25.433**	**1.0267**	**.05346**
Stddev	.00002	.00014	.00044	.032	.042	.00102	.016	.0006	.00049
%RSD	.02227	.25058	.51287	.25215	.18585	.90547	.06455	.06138	.91800
#1	.06931	.05547	.08689	12.776	22.357	.11392	25.444	1.0271	.05311
#2	.06933	.05567	.08626	12.730	22.298	.11247	25.421	1.0262	.05381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.536**	**.06662**	**2.2299**	**.10651**	**1.2802**	**.10572**	**.20808**	**13.905**	**.10109**
Stddev	.116	.00014	.0051	.00029	.0016	.00315	.00118	.084	.00077
%RSD	.45271	.20602	.22820	.27548	.12686	2.9835	.56590	.60716	.76517
#1	25.618	.06672	2.2263	.10671	1.2790	.10349	.20891	13.965	.10164
#2	25.454	.06652	2.2335	.10630	1.2813	.10795	.20724	13.846	.10054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17320**	**.19386**	**.14487**	**.20814**	**.53590**	**.06187**	**.43213**	**.05033**
Stddev	.00075	.00166	.00145	.00152	.00025	.00054	.00145	.00045
%RSD	.43231	.85673	1.0038	.72911	.04715	.87519	.33516	.89719
#1	.17373	.19269	.14385	.20922	.53608	.06149	.43315	.05001
#2	.17267	.19504	.14590	.20707	.53572	.06226	.43110	.05065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5095.1**	**84987.**	**6669.9**
Stddev	9.6	66.	5.0
%RSD	.18862	.07794	.07505
#1	5101.9	84940.	6666.3
#2	5088.3	85033.	6673.4

Sample Name: 280-62282-A-1-S Acquired: 11/18/2014 6:51:17 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/14 Custom ID2: Custom ID3:
Comment: 252995 6010B tclp (Ag)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.53031**	**.00937**	**.02030**	**.07996**	**.00007**	**.00184**	**18.307**	**.00040**
Stddev	.00078	.00336	.00004	.00009	.00011	.00004	.00114	.017	.00018
%RSD	135.03	.63300	.45668	.45408	.13512	59.087	62.038	.09166	45.238
#1	.00003	.52794	.00934	.02036	.07989	.00004	.00103	18.319	.00053
#2	.00113	.53269	.00940	.02023	.08004	.00010	.00264	18.295	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00177**	**.00607**	**.19730**	**1.4171**	**.00125**	**2.4542**	**.09137**	**.00053**
Stddev	.00022	.00008	.00004	.00223	.0917	.00109	.0020	.00014	.00011
%RSD	17.540	4.3575	.59020	1.1292	6.4686	87.246	.07993	.14910	20.074
#1	.00110	.00183	.00609	.19888	1.3523	.00048	2.4528	.09147	.00045
#2	.00141	.00172	.00604	.19572	1.4819	.00202	2.4556	.09128	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**328.12**	**.00542**	**.20155**	**.13740**	**.59782**	**.02048**	**-.00302**	**1.1231**	**-.00098**
Stddev	.28	.00002	.00345	.00047	.00019	.00024	.00109	.0081	.00033
%RSD	.08484	.35047	1.7116	.34483	.03112	1.1533	36.054	.72144	34.068
#1	328.32	.00541	.20399	.13706	.59769	.02065	-.00225	1.1174	-.00121
#2	327.93	.00544	.19911	.13773	.59795	.02031	-.00379	1.1289	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05562**	**.00272**	**.01049**	**.00103**	**.01164**	**.00123**	**.02432**	**-.00010**
Stddev	.00008	.00027	.00007	.00047	.04999	.00014	.00080	.00153
%RSD	.14859	9.7812	.68603	45.450	429.48	11.163	3.3093	1475.0
#1	.05567	.00291	.01044	.00070	-.02371	.00113	.02489	.00098
#2	.05556	.00253	.01054	.00136	.04699	.00132	.02376	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4970.6**	**82640.**	**6527.9**
Stddev	19.5	98.	13.6
%RSD	.39278	.11871	.20853
#1	4984.4	82570.	6518.3
#2	4956.8	82709.	6537.5

Sample Name: 280-62282-A-1-S PDS Acquired: 11/18/2014 6:54:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252995 6010B tclp (Ag)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03970**	**1.4860**	**.21552**	**.12370**	**.18011**	**.04880**	**.00081**	**37.321**	**.05148**
Stddev	.00015	.0056	.00059	.00041	.00068	.00017	.00399	.031	.00026
%RSD	.36606	.37739	.27469	.33189	.37925	.35305	491.86	.08313	.50259
#1	.03960	1.4900	.21510	.12399	.17962	.04868	-.00201	37.299	.05167
#2	.03981	1.4821	.21594	.12341	.18059	.04892	.00363	37.343	.05130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05020**	**.05093**	**.05701**	**1.1028**	**21.932**	**.10253**	**21.408**	**.13816**	**.05152**
Stddev	.00010	.00027	.00016	.0066	.003	.00046	.004	.00002	.00025
%RSD	.19792	.52484	.27981	.59550	.01588	.45193	.01907	.01547	.48383
#1	.05027	.05074	.05690	1.0981	21.935	.10286	21.405	.13818	.05170
#2	.05013	.05112	.05713	1.1074	21.930	.10220	21.411	.13815	.05134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**341.09**	**.05398**	**2.3465**	**.23142**	**.57670**	**.12264**	**.22604**	**5.8150**	**.10030**
Stddev	.01	.00012	.0004	.00038	.00955	.00084	.00306	.0141	.00015
%RSD	.00428	.22123	.01874	.16292	1.6553	.68669	1.3559	.24255	.15259
#1	341.10	.05407	2.3468	.23115	.56995	.12205	.22388	5.8250	.10041
#2	341.08	.05390	2.3462	.23169	.58345	.12324	.22821	5.8050	.10020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10441**	**.19756**	**.05981**	**.19403**	**.51900**	**.05187**	**.22254**	**.04764**
Stddev	.00027	.00163	.00016	.00138	.05442	.00007	.00040	.00174
%RSD	.25833	.82724	.26533	.71127	10.486	.14140	.18088	3.6620
#1	.10422	.19871	.05970	.19500	.48052	.05192	.22283	.04640
#2	.10460	.19640	.05992	.19305	.55749	.05181	.22226	.04887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4943.9**	**82321.**	**6586.2**
Stddev	2.7	143.	22.0
%RSD	.05540	.17409	.33475
#1	4945.8	82422.	6601.8
#2	4942.0	82219.	6570.6

Sample Name: 280-62344-A-9-C Acquired: 11/18/2014 6:56:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/13 Custom ID2: Custom ID3:
Comment: 252769 6010B tclp Q4 (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.00085**	**-.00108**	**.04099**	**.42259**	**-.00002**	**-.00283**	**159.87**	**.00026**
Stddev	.00027	.00033	.00293	.00021	.00078	.00003	.00066	.29	.00007
%RSD	29.754	38.661	271.82	.51144	.18570	192.92	23.457	.18306	26.473
#1	.00071	-.00061	-.00315	.04085	.42204	-.00004	-.00330	159.66	.00021
#2	.00108	-.00108	.00099	.04114	.42315	.00001	-.00236	160.08	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00004**	**.00117**	**.01322**	**.49306**	**.00025**	**4.7502**	**.03053**	**.00013**
Stddev	.00028	.00019	.00007	.00065	.03508	.00061	.0005	.00005	.00030
%RSD	141.86	497.41	6.1075	4.9260	7.1139	241.90	.00985	.16397	231.53
#1	.00039	-.00010	.00122	.01276	.51786	-.00018	4.7505	.03050	.00034
#2	-.00000	.00017	.00112	.01368	.46826	.00068	4.7498	.03057	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**321.75**	**.00141**	**-.00293**	**-.00045**	**.17841**	**-.00093**	**.00036**	**.74286**	**-.00065**
Stddev	.47	.00001	.00147	.00137	.00083	.00097	.00507	.00666	.00065
%RSD	.14658	.80594	50.128	302.25	.46727	104.85	1412.8	.89701	99.176
#1	321.42	.00142	-.00397	-.00142	.17782	-.00024	.00395	.73815	-.00020
#2	322.09	.00140	-.00189	.00051	.17900	-.00162	-.00323	.74757	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51794**	**.00345**	**.00058**	**.00025**	**.01708**	**-.00031**	**.00294**	**-.00066**
Stddev	.00014	.00105	.00000	.00194	.01748	.00002	.00029	.00085
%RSD	.02629	30.380	.41850	776.42	102.38	8.0057	9.9244	128.10
#1	.51784	.00419	.00058	.00162	.00471	-.00032	.00273	-.00126
#2	.51804	.00271	.00058	-.00112	.02944	-.00029	.00315	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4821.1**	**81134.**	**6531.3**
Stddev	2.8	95.	14.5
%RSD	.05743	.11737	.22200
#1	4819.1	81201.	6541.6
#2	4823.0	81066.	6521.1

Sample Name: 280-62344-A-10-C Acquired: 11/18/2014 6:59:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B tclp Q4 (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01675**	**.00278**	**.08322**	**.23369**	**.00014**	**-.00150**	**40.274**	**.00024**
Stddev	.00034	.00021	.00222	.00054	.00053	.00007	.00243	.080	.00016
%RSD	57.194	1.2639	79.745	.64988	.22643	48.472	162.73	.19783	65.167
#1	.00036	.01689	.00435	.08284	.23331	.00019	-.00322	40.218	.00013
#2	.00084	.01660	.00121	.08360	.23406	.00009	.00023	40.331	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00052**	**.00336**	**.00530**	**.50838**	**.00237**	**3.0364**	**.04145**	**.00014**
Stddev	.00008	.00024	.00025	.00182	.04644	.00093	.0051	.00001	.00050
%RSD	36.001	45.958	7.2887	34.278	9.1347	39.309	.16657	.03487	359.62
#1	.00029	.00035	.00319	.00402	.47554	.00171	3.0400	.04144	-.00022
#2	.00017	.00069	.00354	.00658	.54121	.00303	3.0329	.04146	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**304.18**	**.00179**	**.00014**	**.00042**	**.21631**	**-.00034**	**.00089**	**1.4381**	**.00019**
Stddev	.42	.00036	.00021	.00035	.00142	.00099	.00190	.0031	.00039
%RSD	.13938	20.352	152.38	83.815	.65694	294.63	213.58	.21816	203.60
#1	303.88	.00153	-.00001	.00067	.21530	.00037	.00223	1.4358	.00047
#2	304.48	.00204	.00029	.00017	.21731	-.00104	-.00045	1.4403	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19669**	**.00321**	**.00024**	**.00085**	**-.00035**	**-.00004**	**.00609**	**.00028**
Stddev	.00032	.00094	.00018	.00047	.02707	.00009	.00026	.00087
%RSD	.16284	29.251	73.090	55.547	7780.4	228.16	4.3442	314.70
#1	.19646	.00388	.00036	.00051	-.01949	-.00010	.00590	.00089
#2	.19691	.00255	.00012	.00118	.01879	.00002	.00628	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4899.3**	**81755.**	**6561.9**
Stddev	2.6	737.	21.4
%RSD	.05330	.90142	.32652
#1	4901.1	81234.	6577.0
#2	4897.4	82276.	6546.7

Sample Name: 280-62344-A-10-C Acquired: 11/18/2014 7:02:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B tclp Q4 (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**-.00036**	**.00072**	**.01683**	**.04743**	**.00002**	**-.00196**	**8.1017**	**.00019**
Stddev	.00050	.00002	.00070	.00091	.00033	.00002	.00079	.0061	.00005
%RSD	70.749	5.7475	97.259	5.4365	.70497	124.07	40.036	.07548	27.951
#1	.00105	-.00038	.00122	.01748	.04766	.00004	-.00252	8.0973	.00023
#2	.00035	-.00035	.00023	.01618	.04719	.00000	-.00141	8.1060	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00001**	**.00094**	**.01325**	**.23796**	**.00156**	**.63327**	**.00836**	**-.00021**
Stddev	.00008	.00004	.00000	.00069	.06803	.00026	.00196	.00001	.00015
%RSD	74.803	617.79	.39128	5.2314	28.587	16.642	.30920	.14661	71.187
#1	.00005	.00002	.00094	.01276	.28606	.00138	.63189	.00837	-.00010
#2	.00016	-.00004	.00094	.01374	.18986	.00175	.63466	.00835	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.259**	**.00037**	**-.00065**	**.00016**	**.05109**	**-.00012**	**.00004**	**.28478**	**-.00109**
Stddev	.230	.00037	.00284	.00116	.00213	.00445	.00346	.00574	.00017
%RSD	.36988	100.19	439.86	726.60	4.1608	3692.3	8745.7	2.0153	15.451
#1	62.096	.00063	-.00265	.00098	.04958	-.00326	-.00241	.28072	-.00121
#2	62.422	.00011	.00136	-.00066	.05259	.00302	.00248	.28884	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04006**	**.00334**	**.00048**	**.00081**	**-.00195**	**-.00018**	**.00102**	**.00022**
Stddev	.00002	.00127	.00007	.00038	.02398	.00012	.00005	.00124
%RSD	.04166	37.850	15.351	46.918	1229.1	66.542	4.7529	575.41
#1	.04005	.00245	.00053	.00108	-.01891	-.00009	.00105	.00110
#2	.04007	.00424	.00043	.00054	.01501	-.00026	.00098	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5120.6**	**85891.**	**6547.4**
Stddev	9.3	131.	8.7
%RSD	.18237	.15218	.13296
#1	5127.2	85984.	6553.5
#2	5114.0	85799.	6541.2

Sample Name: 280-62344-A-10-D MS Acquired: 11/18/2014 7:04:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B tclp Q4 (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22405	.43163	.82628	.29095	2.7522	.01033	.44552	51.403	.23026
Stddev	.00004	.00109	.00098	.00006	.0005	.00009	.00094	.016	.00013
%RSD	.01692	.25356	.11894	.02104	.01785	.91967	.21155	.03024	.05722
#1	.22402	.43240	.82698	.29099	2.7526	.01026	.44486	51.392	.23035
#2	.22407	.43085	.82559	.29091	2.7519	.01039	.44619	51.414	.23016
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10237	1.0446	.47189	.20059	11.142	.21301	12.785	.14531	.21244
Stddev	.00075	.0005	.00009	.00242	.061	.00213	.021	.00021	.00019
%RSD	.73729	.04547	.01997	1.2046	.54633	.99869	.16232	.14789	.08774
#1	.10291	1.0449	.47182	.19888	11.185	.21151	12.800	.14547	.21258
#2	.10184	1.0442	.47195	.20230	11.099	.21452	12.770	.14516	.21231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	321.69	.10264	2.1885	1.1114	.64102	.10466	.66367	3.4150	.40013
Stddev	.19	.00058	.0045	.0021	.00693	.00057	.00561	.0173	.00073
%RSD	.05813	.56378	.20452	.18659	1.0813	.54157	.84555	.50630	.18216
#1	321.55	.10305	2.1853	1.1128	.64592	.10507	.65970	3.4272	.39961
#2	321.82	.10223	2.1916	1.1099	.63612	.10426	.66764	3.4028	.40064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40774	.20591	.19932	.39690	.44637	.10417	.49964	.09606
Stddev	.00036	.00214	.00006	.00190	.02049	.00086	.00226	.00134
%RSD	.08827	1.0375	.02899	.47907	4.5897	.82119	.45283	1.3959
#1	.40800	.20742	.19928	.39555	.46086	.10357	.50124	.09511
#2	.40749	.20440	.19936	.39824	.43189	.10478	.49804	.09701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4872.3	81586.	6533.2
Stddev	5.9	283.	13.3
%RSD	.12115	.34707	.20340
#1	4868.1	81386.	6542.6
#2	4876.4	81786.	6523.8

Sample Name: 280-62344-A-10-E MSD Acquired: 11/18/2014 7:07:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B tclp Q4 (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22525	.42881	.82547	.29144	2.7513	.01018	.44154	51.058	.22967
Stddev	.00017	.00067	.00354	.00089	.0081	.00014	.00119	.121	.00056
%RSD	.07606	.15662	.42868	.30674	.29567	1.3396	.27059	.23711	.24319
#1	.22537	.42834	.82797	.29208	2.7456	.01008	.44069	50.972	.23006
#2	.22513	.42929	.82297	.29081	2.7571	.01027	.44238	51.143	.22927
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10186	1.0443	.47304	.19640	11.122	.21334	12.805	.14415	.21244
Stddev	.00030	.0013	.00135	.00015	.126	.00121	.023	.00038	.00001
%RSD	.29138	.12810	.28551	.07590	1.1348	.56752	.18208	.26182	.00330
#1	.10207	1.0453	.47209	.19629	11.033	.21248	12.822	.14441	.21244
#2	.10165	1.0434	.47400	.19650	11.212	.21419	12.789	.14388	.21243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	320.17	.10260	2.1879	1.1103	.64330	.10335	.65874	3.4151	.39649
Stddev	1.21	.00017	.0053	.0028	.00067	.00017	.00039	.0000	.00079
%RSD	.37922	.17029	.24102	.25142	.10429	.16435	.05908	.00082	.19889
#1	319.31	.10248	2.1917	1.1123	.64377	.10323	.65902	3.4151	.39704
#2	321.03	.10273	2.1842	1.1083	.64282	.10347	.65847	3.4150	.39593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40743	.20633	.19951	.39798	.41798	.10454	.50433	.09483
Stddev	.00109	.00074	.00097	.00054	.02338	.00043	.00086	.00042
%RSD	.26864	.35980	.48661	.13543	5.5927	.41360	.17051	.44109
#1	.40666	.20685	.20019	.39836	.43451	.10423	.50494	.09454
#2	.40821	.20580	.19882	.39759	.40145	.10484	.50372	.09513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4893.9	81741.	6597.2
Stddev	2.9	267.	22.7
%RSD	.05847	.32604	.34441
#1	4895.9	81552.	6613.3
#2	4891.9	81929.	6581.2

Sample Name: 280-62344-A-10-C Acquired: 11/18/2014 7:10:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252769 6010B tclp Q4 (Pb)

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03912**	**.97282**	**.20032**	**.18436**	**.33096**	**.04830**	**-.00024**	**58.342**	**.04982**
Stddev	.00015	.00360	.00471	.00055	.00134	.00007	.00278	.121	.00012
%RSD	.38779	.36970	2.3508	.29705	.40540	.14842	1136.0	.20726	.23866
#1	.03923	.97536	.20365	.18398	.33191	.04835	-.00221	58.427	.04974
#2	.03901	.97027	.19699	.18475	.33001	.04825	.00172	58.256	.04990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04801**	**.04845**	**.05397**	**.89972**	**20.619**	**.10111**	**21.226**	**.08854**	**.05059**
Stddev	.00020	.00005	.00051	.00529	.001	.00025	.064	.00012	.00052
%RSD	.40641	.10412	.94456	.58756	.00557	.25202	.30198	.13577	1.0306
#1	.04787	.04842	.05433	.90346	20.618	.10129	21.272	.08846	.05096
#2	.04815	.04849	.05361	.89598	20.619	.10093	21.181	.08863	.05022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**317.89**	**.04972**	**2.0715**	**.09685**	**.21412**	**.10148**	**.20732**	**6.0515**	**.09862**
Stddev	.85	.00027	.0067	.00056	.00574	.00133	.00557	.0027	.00080
%RSD	.26844	.55312	.32201	.57893	2.6803	1.3116	2.6870	.04388	.81543
#1	318.50	.04952	2.0762	.09646	.21818	.10242	.21126	6.0534	.09805
#2	317.29	.04991	2.0668	.09725	.21006	.10054	.20338	6.0496	.09919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24301**	**.19533**	**.04863**	**.18806**	**.50754**	**.05026**	**.19450**	**.04705**
Stddev	.00060	.00053	.00023	.00059	.02567	.00072	.00137	.00126
%RSD	.24556	.27359	.47436	.31256	5.0579	1.4285	.70470	2.6683
#1	.24343	.19571	.04847	.18765	.48939	.04976	.19547	.04616
#2	.24258	.19495	.04879	.18848	.52569	.05077	.19353	.04793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4898.9**	**82136.**	**6579.9**
Stddev	.5	65.	18.1
%RSD	.00942	.07939	.27555
#1	4899.3	82090.	6567.1
#2	4898.6	82183.	6592.7

Sample Name: ccvh-2982968 Acquired: 11/18/2014 7:12:44 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00665**	**48.404**	**-.00011**	**.00319**	**.00083**	**-.00001**	**1.0453**	**-.02941**	**-.00042**	**.00168**	**.00036**	**-.00256**	**45.694**
Stddev	.00003	.143	.00097	.00039	.00013	.00001	.0017	.00136	.00006	.00018	.00046	.00015	.238
%RSD	.50545	.29537	868.47	12.316	15.837	240.04	.16072	4.6201	14.904	10.490	127.69	6.0539	.51993
#1	.00667	48.505	.00057	.00347	.00074	-.00002	1.0441	-.02845	-.00038	.00155	.00069	-.00267	45.526
#2	.00662	48.302	-.00080	.00291	.00092	.00000	1.0465	-.03038	-.00047	.00180	.00004	-.00245	45.862
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22591**	**.00069**	**.13443**	**-.00303**	**-.00186**	**254.57**	**.00053**	**.00054**	**.00376**	**5.0768**	**-.00245**	**.00404**	**-.00945**
Stddev	.09354	.00159	.00086	.00009	.00014	.15	.00019	.00010	.00071	.0003	.00019	.00185	.00604
%RSD	41.403	228.41	.64129	3.0178	7.2856	.05835	36.002	19.185	18.980	.00521	7.5813	45.761	63.912
#1	.29205	-.00043	.13382	-.00297	-.00196	254.47	.00040	.00047	.00325	5.0766	-.00258	.00535	-.01372
#2	.15977	.00182	.13504	-.00310	-.00176	254.68	.00067	.00062	.00426	5.0770	-.00232	.00273	-.00518
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.00031**	**4.7566**	**-.02282**	**.00157**	**9.9097**	**.00367**	**-.00068**	**-.03689**
Stddev	.00012	.00005	.0073	.00019	.00030	.0673	.00001	.00012	.00062
%RSD	5.5551	16.230	.15238	.82149	19.238	.67887	.39582	17.453	1.6680
#1	.00215	.00035	4.7617	-.02296	.00179	9.8621	.00368	-.00077	-.03646
#2	.00232	.00028	4.7515	-.02269	.00136	9.9572	.00366	-.00060	-.03733
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5029.8**	**83788.**	**6565.1**
Stddev	8.9	14.	14.5
%RSD	.17733	.01684	.22026
#1	5036.1	83798.	6575.3
#2	5023.5	83778.	6554.9

Sample Name: ccv-2984587 Acquired: 11/18/2014 7:15:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50875**	**.51156**	**.99578**	**.50924**	**.50456**	**.47755**	**.00883**	**4.8080**	**.50402**	**.49851**	**.49031**	**.50197**
Stddev	.00045	.00177	.00495	.00054	.00119	.00128	.00197	.0040	.00056	.00000	.00061	.00002
%RSD	.08933	.34572	.49666	.10650	.23641	.26810	22.351	.08241	.11093	.00028	.12423	.00336
#1	.50842	.51031	.99927	.50886	.50372	.47664	.00744	4.8052	.50362	.49851	.49074	.50196
#2	.50907	.51281	.99228	.50963	.50541	.47845	.01023	4.8108	.50441	.49852	.48988	.50198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2865**	**49.851**	**1.0058**	**19.464**	**.49283**	**.50545**	F **5.5664**	**.49460**	**.99091**	**1.0124**	**.00395**	**1.0327**
Stddev	.0019	.071	.0019	.002	.00010	.00100	.0121	.00101	.00563	.0033	.00218	.0033
%RSD	.08093	.14251	.18788	.01039	.02066	.19775	.21823	.20385	.56803	.32512	55.321	.31615
#1	2.2852	49.800	1.0071	19.465	.49290	.50615	5.5750	.49389	.99489	1.0100	.00549	1.0351
#2	2.2878	49.901	1.0044	19.462	.49275	.50474	5.5578	.49532	.98693	1.0147	.00240	1.0304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0362**	**4.6249**	**1.0110**	**.49173**	**.02756**	**.49256**	**1.0346**	**.00003**	**.49005**	**.47493**	**.48528**
Stddev	.0027	.0091	.0010	.00041	.00043	.00085	.0022	.03403	.00021	.00089	.00271
%RSD	.25984	.19557	.09809	.08249	1.5561	.17219	.21248	101670.	.04230	.18786	.55910
#1	1.0382	4.6185	1.0103	.49144	.02786	.49316	1.0362	-.02403	.48991	.47430	.48720
#2	1.0343	4.6313	1.0117	.49202	.02725	.49196	1.0331	.02409	.49020	.47556	.48336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5136.1**	**85922.**	**6592.0**
Stddev	.7	114.	31.1
%RSD	.01350	.13240	.47248
#1	5135.6	86002.	6570.0
#2	5136.6	85842.	6614.0

Sample Name: CCB Acquired: 11/18/2014 7:17:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00500**	**.00037**	W **.00188**	**.00018**	**.00016**	**-.00033**	**-.00812**	**.00021**	**-.00006**	**-.00009**
Stddev	.00009	.00131	.00009	.00001	.00001	.00004	.00090	.00173	.00016	.00021	.00009
%RSD	25.925	26.106	24.415	.37193	5.4330	24.732	275.13	21.272	75.822	363.09	99.992
#1	.00042	-.00408	.00043	.00188	.00018	.00019	-.00096	-.00690	.00032	.00009	-.00015
#2	.00029	-.00592	.00031	.00187	.00019	.00013	.00031	-.00934	.00010	-.00021	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00434**	**.19088**	**.00002**	**.00574**	**.00008**	**.00051**	F **.41821**	**-.00042**	**.00079**	**-.00064**
Stddev	.00014	.00154	.02253	.00080	.00188	.00001	.00010	.00310	.00009	.00359	.00122
%RSD	982.04	35.528	11.802	3876.4	32.845	17.448	20.204	.74218	22.199	455.49	190.84
#1	-.00008	.00325	.17495	.00058	.00440	.00009	.00058	.42040	-.00035	.00332	-.00150
#2	.00011	.00543	.20681	-.00054	.00707	.00007	.00043	.41601	-.00049	-.00175	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.20152			
Low Limit								-.20152			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00459**	**.00137**	**.00179**	**-.02366**	**.00041**	**.00009**	**.00314**	W **.00061**	**.00022**	**.01702**	**-.00048**
Stddev	.00055	.00009	.00070	.01081	.00060	.00001	.00068	.00033	.00057	.00818	.00008
%RSD	12.074	6.8582	39.023	45.696	145.76	11.176	21.752	54.315	260.02	48.049	15.566
#1	.00420	.00144	.00129	-.03131	.00083	.00008	.00266	.00084	-.00019	.01124	-.00054
#2	.00498	.00131	.00228	-.01602	-.00001	.00010	.00363	.00037	.00063	.02280	-.00043
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.00060			
Low Limit								-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00115**	W **-.00264**
Stddev	.00009	.00132
%RSD	7.8462	50.022
#1	-.00122	-.00171
#2	-.00109	-.00357
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5183.0**	**87573.**	**6545.2**
Stddev	4.6	127.	19.6
%RSD	.08879	.14491	.29913
#1	5179.7	87663.	6531.4
#2	5186.2	87483.	6559.0

Sample Name: CCVL2994499 Acquired: 11/18/2014 7:20:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01157**	**.10157**	**.01409**	**.10266**	**.01072**	**.00106**	**.11851**	**.19790**	**.00549**	**.01035**	**.01008**	**.01629**
Stddev	.00025	.00061	.00462	.00023	.00006	.00007	.00052	.00215	.00021	.00016	.00010	.00009
%RSD	2.1637	.60216	32.791	.22108	.57586	6.4123	.43641	1.0858	3.8101	1.5230	1.0069	.57343
#1	.01139	.10113	.01736	.10250	.01076	.00101	.11815	.19942	.00534	.01024	.01015	.01622
#2	.01175	.10200	.01082	.10282	.01068	.00111	.11888	.19638	.00564	.01046	.01001	.01635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09513**	**3.3543**	W **.01203**	**.21222**	**.01036**	**.02058**	F **1.4773**	**.04100**	**2.9345**	**.00879**	**.01063**	F **.01331**
Stddev	.00013	.0438	.00117	.00421	.00010	.00019	.0244	.00039	.0027	.00074	.00477	.00007
%RSD	.13414	1.3054	9.7354	1.9832	.95819	.93352	1.6489	.94914	.09245	8.4292	44.881	.50233
#1	.09504	3.3233	.01120	.20924	.01029	.02045	1.4601	.04073	2.9364	.00931	.01401	.01336
#2	.09522	3.3853	.01286	.21519	.01043	.02072	1.4945	.04128	2.9326	.00827	.00726	.01327
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
Value			.01000				1.0000					.01000
Range			20.000%				30.000%					30.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01558**	**.46946**	**.10340**	**.01024**	W **.01846**	**.01037**	**.01632**	**.05449**	**.00934**	**.01937**	**.01482**
Stddev	.00058	.02452	.00106	.00005	.00126	.00044	.00109	.01593	.00041	.00068	.00047
%RSD	3.7392	5.2233	1.0244	.50476	6.8069	4.2476	6.6673	29.234	4.3658	3.5069	3.1439
#1	.01599	.48680	.10265	.01027	.01757	.01069	.01555	.06575	.00963	.01889	.01515
#2	.01517	.45212	.10414	.01020	.01934	.01006	.01709	.04322	.00905	.01985	.01449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.01500						
Range					20.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5233.3**	**87922.**	**6607.9**
Stddev	4.7	567.	44.2
%RSD	.09012	.64462	.66894
#1	5236.7	88323.	6639.1
#2	5230.0	87522.	6576.6

Sample Name: bottle 61773-7 total Acquired: 11/18/2014 7:23:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.07309**	**.00180**	**.00653**	**.15376**	**-.00003**	**-.00225**	**170.75**	**.00042**
Stddev	.00040	.00107	.00241	.00021	.00005	.00003	.00131	.25	.00023
%RSD	32.581	1.4677	133.95	3.1829	.03512	97.561	58.408	.14554	53.929
#1	.00095	.07233	.00351	.00638	.15372	-.00001	-.00132	170.92	.00059
#2	.00151	.07385	.00010	.00667	.15380	-.00005	-.00317	170.57	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00044**	**.00352**	**.85426**	**7.2904**	**-.00046**	**85.968**	**3.0545**	**.00001**
Stddev	.00018	.00036	.00022	.00705	.0791	.00097	.069	.0022	.00015
%RSD	14.786	82.448	6.3754	.82536	1.0854	209.30	.08001	.07367	1183.6
#1	.00132	.00018	.00367	.84928	7.2344	-.00115	86.017	3.0529	.00012
#2	.00107	.00070	.00336	.85925	7.3463	.00022	85.920	3.0561	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.690**	**.00159**	**.46957**	**.00079**	**3.5543**	**.00042**	**.00033**	**23.502**	**-.00137**
Stddev	.021	.00002	.00031	.00048	.0230	.00158	.00088	.002	.00074
%RSD	.10023	1.4700	.06630	60.554	.64692	378.23	267.08	.00963	54.264
#1	20.675	.00161	.46935	.00113	3.5381	.00154	-.00029	23.504	-.00189
#2	20.705	.00157	.46979	.00045	3.5706	-.00070	.00095	23.500	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38181**	**.00299**	**.00703**	**.00295**	**-.01969**	**.00211**	**.00880**	**.00037**
Stddev	.00010	.00018	.00008	.00072	.02534	.00072	.00018	.00051
%RSD	.02681	5.9879	1.0829	24.356	128.70	34.212	2.0172	140.49
#1	.38188	.00286	.00697	.00346	-.00177	.00160	.00867	.00000
#2	.38174	.00311	.00708	.00244	-.03761	.00262	.00892	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5089.0**	**85339.**	**6730.3**
Stddev	30.8	694.	28.1
%RSD	.60498	.81380	.41769
#1	5110.8	85830.	6750.2
#2	5067.2	84848.	6710.4

Sample Name: bottle 61773-7 diss Acquired: 11/18/2014 7:25:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**-.00912**	**.00154**	**.00631**	**.14998**	**.00000**	**-.00259**	**172.29**	**.00031**
Stddev	.00024	.00012	.00236	.00057	.00025	.00004	.00112	.12	.00007
%RSD	18.307	1.3196	152.94	9.0796	.16787	4398.7	43.177	.06769	21.120
#1	.00113	-.00920	.00321	.00672	.14980	.00003	-.00180	172.21	.00036
#2	.00146	-.00903	-.00013	.00591	.15016	-.00003	-.00338	172.38	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00026**	**.00113**	**.55478**	**7.3329**	**.00000**	**86.357**	**3.0338**	**.00006**
Stddev	.00008	.00003	.00022	.00290	.0256	.00017	.307	.0049	.00055
%RSD	6.9848	12.407	19.513	.52236	.34957	4122.9	.35495	.16161	927.84
#1	.00117	.00024	.00128	.55273	7.3148	.00013	86.574	3.0373	.00045
#2	.00106	.00028	.00097	.55683	7.3510	-.00012	86.140	3.0303	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.428**	**.00229**	**.43733**	**.00060**	**3.5798**	**-.00020**	W **-.00630**	**23.593**	**-.00205**
Stddev	.208	.00014	.00484	.00078	.0123	.00013	.00558	.017	.00152
%RSD	1.0162	6.2776	1.1072	128.83	.34393	65.927	88.507	.07404	74.148
#1	20.574	.00239	.44075	.00005	3.5885	-.00029	-.01024	23.606	-.00313
#2	20.281	.00219	.43390	.00115	3.5711	-.00011	-.00236	23.581	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit							5.0000		
Low Limit							-.00500		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38356**	**.00238**	**.00097**	**.00319**	**-.00941**	**.00150**	**.00266**	**.00042**
Stddev	.00060	.00151	.00034	.00052	.01217	.00046	.00002	.00146
%RSD	.15567	63.277	35.278	16.286	129.32	30.955	.70124	343.66
#1	.38314	.00132	.00121	.00355	-.01802	.00117	.00268	.00146
#2	.38398	.00345	.00073	.00282	-.00081	.00183	.00265	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5073.0**	**85152.**	**6710.5**
Stddev	19.3	262.	81.5
%RSD	.38054	.30802	1.2140
#1	5086.6	85338.	6768.1
#2	5059.3	84967.	6652.9

Sample Name: ccvh-2982968 Acquired: 11/18/2014 7:28:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00745**	**49.527**	**-.00215**	**.00158**	**.00083**	**-.00002**	**1.0800**	**.01345**	**-.00046**	**.00163**	**.00027**	**-.00244**	**46.728**
Stddev	.00003	.162	.00113	.00031	.00006	.00005	.0040	.00286	.00003	.00026	.00007	.00039	.250
%RSD	.43077	.32620	52.495	19.685	6.9017	329.58	.36959	21.269	6.3570	16.229	24.532	16.058	.53558
#1	.00743	49.413	-.00295	.00136	.00079	-.00005	1.0772	.01547	-.00044	.00181	.00023	-.00271	46.551
#2	.00747	49.642	-.00135	.00180	.00087	.00002	1.0828	.01143	-.00048	.00144	.00032	-.00216	46.905
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16683**	**.00157**	**.14656**	**-.00263**	**-.00189**	**261.46**	**.00095**	**.00720**	**.00287**	**5.2213**	**-.00247**	**.00126**	**-.00376**
Stddev	.02733	.00212	.00577	.00003	.00046	.54	.00039	.00033	.00232	.0003	.00089	.00311	.00015
%RSD	16.384	134.74	3.9388	1.0439	24.187	.20687	40.521	4.5467	80.846	.00543	36.182	246.30	3.8609
#1	.14751	.00307	.15064	-.00261	-.00157	261.08	.00123	.00697	.00452	5.2215	-.00184	.00346	-.00386
#2	.18616	.00007	.14247	-.00265	-.00222	261.84	.00068	.00744	.00123	5.2211	-.00310	-.00094	-.00366
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00023**	**4.9003**	**-.02375**	**.00080**	**10.208**	**.00421**	**.00058**	**-.03885**
Stddev	.00097	.00002	.0110	.00030	.00212	.003	.00028	.00018	.00022
%RSD	86.567	8.8353	.22494	1.2839	265.17	.02645	6.6470	31.061	.57230
#1	.00043	.00024	4.9081	-.02396	.00230	10.210	.00401	.00045	-.03901
#2	.00180	.00022	4.8925	-.02353	-.00070	10.206	.00441	.00070	-.03869
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4987.1**	**83004.**	**6541.7**
Stddev	1.0	253.	21.1
%RSD	.02009	.30509	.32299
#1	4987.8	82825.	6556.6
#2	4986.4	83183.	6526.8

Sample Name: ccv-2984587 Acquired: 11/18/2014 7:31:10 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51815**	**.51257**	**1.0101**	**.51609**	**.51397**	**.48851**	**.00587**	**4.9422**	**.51271**	**.50544**	**.49773**	**.51399**
Stddev	.00177	.00157	.0059	.00020	.00224	.00287	.00190	.0186	.00011	.00028	.00007	.00040
%RSD	.34122	.30609	.58695	.03924	.43602	.58757	32.326	.37677	.02119	.05499	.01355	.07821
#1	.51690	.51368	1.0143	.51623	.51555	.49054	.00453	4.9553	.51279	.50563	.49778	.51428
#2	.51940	.51146	1.0059	.51594	.51239	.48648	.00721	4.9290	.51263	.50524	.49769	.51371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3287**	**51.141**	**1.0300**	**19.810**	**.49949**	**.51035**	F **5.5722**	**.50218**	**1.0002**	**1.0274**	**.00416**	**1.0498**
Stddev	.0067	.325	.0068	.009	.00056	.00016	.0383	.00016	.0051	.0022	.00511	.0028
%RSD	.28917	.63457	.66413	.04469	.11191	.03231	.68731	.03186	.51263	.21071	122.97	.26502
#1	2.3334	51.371	1.0348	19.803	.49909	.51023	5.5993	.50229	1.0038	1.0259	.00054	1.0478
#2	2.3239	50.912	1.0251	19.816	.49988	.51046	5.5451	.50207	.99655	1.0290	.00777	1.0517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0551**	**4.7047**	**1.0221**	**.50208**	**.02603**	**.49996**	**1.0489**	**.00038**	**.49753**	**.48465**	**.49421**
Stddev	.0010	.0153	.0009	.00203	.00123	.00033	.0016	.01956	.00039	.00177	.00185
%RSD	.09260	.32612	.08917	.40490	4.7210	.06613	.15411	5098.6	.07932	.36544	.37444
#1	1.0544	4.7155	1.0214	.50352	.02516	.50019	1.0501	.01421	.49726	.48340	.49552
#2	1.0558	4.6938	1.0227	.50064	.02690	.49973	1.0478	-.01345	.49781	.48590	.49290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5115.8**	**85557.**	**6553.6**
Stddev	5.5	40.	17.9
%RSD	.10777	.04712	.27340
#1	5119.7	85585.	6541.0
#2	5111.9	85528.	6566.3

Sample Name: CCB Acquired: 11/18/2014 7:33:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**-.00535**	**-.00231**	**.00130**	**.00029**	**.00000**	**-.00238**	**.00851**	**.00031**	**-.00012**	**-.00023**	**.00013**
Stddev	.00063	.00114	.00300	.00052	.00038	.00004	.00106	.00228	.00019	.00002	.00003	.00026
%RSD	71.831	21.280	129.80	40.127	132.94	1354.9	44.417	26.821	60.213	13.091	13.086	197.58
#1	.00133	-.00455	-.00444	.00093	.00056	-.00002	-.00313	.01012	.00018	-.00011	-.00026	-.00005
#2	.00043	-.00616	-.00019	.00167	.00002	.00003	-.00163	.00689	.00044	-.00013	-.00021	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**.18034**	**-.00032**	W **.01384**	W **.00038**	**.00039**	F **.35832**	**-.00031**	**.00103**	**.00098**	**.00489**	**.00028**
Stddev	.00354	.00016	.00089	.00155	.00004	.00036	.00019	.00016	.00180	.00075	.00314	.00033
%RSD	239.71	.09044	279.90	11.190	10.408	91.665	.05388	52.386	174.95	76.179	64.203	116.33
#1	-.00103	.18045	-.00095	.01274	.00041	.00065	.35846	-.00020	.00230	.00045	.00711	.00005
#2	.00398	.18022	.00031	.01493	.00035	.00014	.35819	-.00043	-.00024	.00151	.00267	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit				.01070	.00025		.20152					
Low Limit				-.01070	-.00025		-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00348**	**-.01379**	**.00051**	**.00000**	**.00302**	**.00052**	**-.00019**	**.00589**	**-.00007**	**-.00118**	**-.00067**
Stddev	.00095	.01918	.00065	.00003	.00008	.00009	.00052	.06319	.00013	.00038	.00016
%RSD	27.430	139.12	125.30	1206.1	2.6533	16.904	279.80	1072.7	202.75	32.092	23.873
#1	-.00281	-.02735	.00006	-.00002	.00296	.00046	.00018	-.03879	-.00016	-.00145	-.00079
#2	-.00416	-.00022	.00097	.00002	.00307	.00058	-.00055	.05057	.00003	-.00092	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5170.2**	**87214.**	**6539.1**
Stddev	4.3	43.	29.0
%RSD	.08280	.04942	.44405
#1	5167.2	87184.	6518.5
#2	5173.2	87245.	6559.6

Sample Name: CCVL2994499 Acquired: 11/18/2014 7:36:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01193**	**.10635**	**.01371**	**.10759**	**.01107**	**.00102**	W **.12255**	W **.25822**	**.00564**	**.01094**	**.01058**	**.01661**
Stddev	.00018	.00142	.00149	.00062	.00015	.00003	.00029	.00075	.00023	.00014	.00001	.00027
%RSD	1.5469	1.3330	10.883	.57321	1.3254	3.0698	.23392	.29087	4.0877	1.2721	.11289	1.6083
#1	.01206	.10535	.01265	.10802	.01097	.00099	.12234	.25875	.00580	.01084	.01059	.01642
#2	.01180	.10736	.01476	.10715	.01118	.00104	.12275	.25769	.00548	.01104	.01057	.01680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000	.20000				
Range							20.000%	20.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10053**	**3.4517**	F **.01319**	**.23652**	**.01140**	**.02129**	F **1.4766**	**.04308**	**3.0532**	**.01078**	**.00999**	**.01149**
Stddev	.00150	.0112	.00120	.01388	.00049	.00013	.0044	.00017	.0006	.00015	.00607	.00174
%RSD	1.4953	.32562	9.1275	5.8701	4.3271	.61832	.29589	.40345	.02053	1.4228	60.793	15.121
#1	.09947	3.4596	.01234	.22670	.01105	.02119	1.4735	.04295	3.0537	.01067	.00569	.01272
#2	.10160	3.4437	.01405	.24633	.01175	.02138	1.4797	.04320	3.0528	.01089	.01428	.01026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			30.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01428**	**.47915**	**.10864**	**.01078**	W **.01862**	**.01073**	W **.01840**	F **.09311**	**.01069**	W **.02590**	**.01587**
Stddev	.00128	.00765	.00057	.00012	.00130	.00009	.00054	.02152	.00023	.00025	.00090
%RSD	8.9413	1.5964	.52564	1.1374	6.9888	.82111	2.9502	23.113	2.1367	.97330	5.6888
#1	.01518	.48455	.10905	.01069	.01770	.01066	.01878	.10832	.01085	.02607	.01650
#2	.01338	.47374	.10824	.01086	.01954	.01079	.01802	.07789	.01053	.02572	.01523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
Value					.01500		.01500	.06000		.02000	
Range					20.000%		20.000%	30.000%		20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5203.7**	**87555.**	**6577.3**
Stddev	5.5	46.	17.0
%RSD	.10655	.05203	.25808
#1	5207.7	87587.	6565.3
#2	5199.8	87522.	6589.3

Sample Name: MB 280-253416/1-A Acquired: 11/18/2014 7:39:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/17 Custom ID2: Custom ID3:
Comment: 253416 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00497**	**-.00415**	**.00129**	**.00024**	**.00006**	**-.00261**	**.00224**	**.00004**
Stddev	.00014	.00099	.00333	.00004	.00001	.00011	.00076	.00113	.00016
%RSD	21.944	19.908	80.164	2.9463	4.0447	200.86	29.250	50.225	391.18
#1	.00055	-.00567	-.00180	.00132	.00024	-.00002	-.00315	.00145	.00015
#2	.00075	-.00427	-.00651	.00126	.00025	.00014	-.00207	.00304	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00025**	**.00018**	**.00114**	**.17563**	**.00163**	**.00766**	**.00016**	**-.00005**
Stddev	.00014	.00006	.00017	.00005	.00186	.00070	.00143	.00001	.00019
%RSD	57.337	22.035	93.792	4.0686	1.0565	42.737	18.696	3.2341	378.68
#1	-.00014	-.00022	.00031	.00117	.17694	.00213	.00665	.00016	-.00019
#2	-.00033	-.00029	.00006	.00111	.17432	.00114	.00868	.00015	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34345**	**-.00076**	**.00380**	**.00003**	**.00511**	**.00018**	**-.00426**	**-.00863**	**.00013**
Stddev	.00995	.00003	.00151	.00093	.00381	.00075	.00240	.01107	.00050
%RSD	2.8963	3.8854	39.851	2665.6	74.434	419.56	56.279	128.32	395.75
#1	.35049	-.00078	.00273	.00069	.00242	-.00035	-.00595	-.01646	-.00023
#2	.33642	-.00074	.00487	-.00062	.00780	.00071	-.00256	-.00080	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00415**	**.00040**	**-.00103**	**.00894**	**.00001**	**.00076**	**-.00136**
Stddev	.00008	.00113	.00005	.00033	.02075	.00001	.00023	.00218
%RSD	238.45	27.220	12.438	31.509	232.00	58.737	30.199	160.96
#1	-.00009	.00335	.00036	-.00126	.02361	.00001	.00060	-.00290
#2	.00002	.00495	.00043	-.00080	-.00573	.00002	.00093	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5213.0**	**88151.**	**6622.3**
Stddev	.0	247.	29.7
%RSD	.00076	.28050	.44841
#1	5212.9	87976.	6601.3
#2	5213.0	88326.	6643.3

Sample Name: LCS 280-253416/2-A Acquired: 11/18/2014 7:41:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 253416 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05778**	**1.9894**	**1.0095**	**1.0787**	**2.0729**	**.04919**	**2.2504**	**49.515**	**.09902**
Stddev	.00023	.0066	.0090	.0005	.0035	.00007	.0041	.119	.00008
%RSD	.39124	.33096	.89397	.04572	.16777	.13215	.18160	.23954	.07814
#1	.05762	1.9941	1.0159	1.0790	2.0753	.04924	2.2533	49.599	.09908
#2	.05794	1.9848	1.0031	1.0783	2.0704	.04914	2.2475	49.431	.09897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50302**	**.20089**	**.25907**	**.93196**	**52.228**	**1.0360**	**49.720**	**.49966**	**1.1031**
Stddev	.00207	.00047	.00094	.00933	.167	.0027	.214	.00189	.0004
%RSD	.41137	.23274	.36373	1.0010	.31902	.25673	.43026	.37784	.03444
#1	.50449	.20122	.25840	.93855	52.346	1.0378	49.568	.49833	1.1034
#2	.50156	.20056	.25974	.92536	52.110	1.0341	49.871	.50100	1.1029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.879**	**.49721**	**10.485**	**.51482**	**2.1420**	**.55045**	**2.1404**	**9.7775**	**2.1071**
Stddev	.251	.00114	.010	.00038	.0070	.00079	.0009	.0260	.0040
%RSD	.46643	.22863	.09248	.07335	.32902	.14349	.04396	.26578	.19086
#1	54.057	.49802	10.492	.51509	2.1470	.54989	2.1411	9.7592	2.1099
#2	53.702	.49641	10.478	.51456	2.1370	.55101	2.1397	9.7959	2.1042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0108**	**1.0040**	**1.0296**	**2.0538**	**2.0910**	**.51188**	**.48336**	**.49697**
Stddev	.0020	.0073	.0042	.0043	.0192	.00102	.00193	.00330
%RSD	.20155	.72283	.40347	.20779	.91668	.19866	.39841	.66372
#1	1.0123	.99882	1.0267	2.0508	2.0774	.51117	.48200	.49930
#2	1.0094	1.0091	1.0326	2.0568	2.1045	.51260	.48472	.49464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4984.5**	**83848.**	**6559.7**
Stddev	6.1	264.	22.2
%RSD	.12314	.31525	.33879
#1	4980.2	84035.	6543.9
#2	4988.9	83661.	6575.4

Sample Name: 280-62277-C-1-B Acquired: 11/18/2014 7:44:08 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 253416 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00563**	**-.00021**	**.34895**	**.01487**	**-.00002**	**-.00087**	**18.456**	**.00010**
Stddev	.00060	.00002	.00060	.00050	.00011	.00001	.00002	.010	.00008
%RSD	39.378	.34016	290.83	.14384	.71421	47.411	2.1541	.05558	72.364
#1	.00109	.00565	.00022	.34859	.01495	-.00002	-.00088	18.463	.00005
#2	.00193	.00562	-.00063	.34930	.01480	-.00001	-.00085	18.449	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00066**	**.05144**	**3.7593**	**2.8563**	**.01002**	**4.1219**	**.39802**	**.00156**
Stddev	.00016	.00001	.00032	.0015	.0095	.00443	.0197	.00171	.00021
%RSD	14.468	1.2946	.61318	.04133	.33309	44.264	.47862	.42863	13.754
#1	.00098	.00066	.05167	3.7582	2.8630	.01315	4.1079	.39681	.00141
#2	.00121	.00067	.05122	3.7604	2.8495	.00688	4.1358	.39923	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.619**	**.00942**	**.27288**	**.00139**	**52.533**	**.00078**	**.00402**	**.89170**	**.02783**
Stddev	.073	.00051	.00181	.00046	.063	.00240	.00102	.02236	.00086
%RSD	.16338	5.3895	.66336	33.049	.11948	307.21	25.492	2.5079	3.0915
#1	44.567	.00978	.27416	.00172	52.577	.00248	.00329	.90752	.02844
#2	44.670	.00906	.27160	.00107	52.488	-.00092	.00474	.87589	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12621**	**.00253**	**.00075**	**.00092**	**.00242**	**-.00020**	**.03177**	**-.00042**
Stddev	.00037	.00178	.00025	.00172	.01821	.00009	.00032	.00185
%RSD	.29071	70.516	32.678	187.08	753.06	46.657	1.0085	438.34
#1	.12647	.00127	.00092	.00214	.01529	-.00027	.03200	-.00173
#2	.12595	.00378	.00058	-.00030	-.01046	-.00014	.03155	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5109.4**	**85925.**	**6584.5**
Stddev	.5	294.	39.5
%RSD	.01033	.34161	.59921
#1	5109.0	86133.	6612.4
#2	5109.7	85718.	6556.6

Sample Name: 280-62277-C-1-Bsd@5 Acquired: 11/18/2014 7:46:45 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 253416 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00281**	**.00489**	**.07108**	**.00310**	**.00005**	**-.00365**	**3.7065**	**.00022**
Stddev	.00040	.00025	.00072	.00047	.00006	.00002	.00310	.0038	.00002
%RSD	85.291	8.9913	14.676	.65624	1.8426	36.556	85.113	.10322	9.2324
#1	.00076	-.00263	.00438	.07141	.00306	.00003	-.00584	3.7038	.00020
#2	.00019	-.00299	.00540	.07075	.00314	.00006	-.00145	3.7092	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00012**	**.01024**	**.76396**	**.69510**	**.00361**	**.83919**	**.08066**	**.00068**
Stddev	.00015	.00023	.00066	.00493	.03103	.00020	.00722	.00038	.00020
%RSD	54.704	188.70	6.4732	.64549	4.4640	5.4325	.85997	.47538	30.071
#1	.00017	-.00004	.01071	.76745	.67316	.00375	.84429	.08093	.00054
#2	.00038	.00028	.00977	.76047	.71704	.00347	.83409	.08039	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7929**	**.00155**	**.05488**	**.00083**	**10.260**	**.00037**	**.00136**	**.17305**	**.00611**
Stddev	.0249	.00001	.00583	.00035	.008	.00097	.00182	.00622	.00089
%RSD	.28317	.41294	10.632	42.161	.07668	259.51	133.95	3.5933	14.500
#1	8.8105	.00155	.05075	.00059	10.265	.00106	.00265	.17744	.00548
#2	8.7753	.00154	.05900	.00108	10.254	-.00031	.00007	.16865	.00674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02531**	**.00317**	**.00050**	**.00062**	**-.00704**	**-.00057**	**.00691**	**-.00164**
Stddev	.00000	.00060	.00039	.00046	.01687	.00025	.00027	.00057
%RSD	.00194	18.897	79.225	73.228	239.66	43.631	3.9143	34.563
#1	.02531	.00275	.00022	.00030	.00489	-.00040	.00672	-.00124
#2	.02531	.00360	.00078	.00095	-.01896	-.00075	.00710	-.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5196.5**	**86791.**	**6535.9**
Stddev	6.1	273.	8.0
%RSD	.11755	.31466	.12312
#1	5192.2	86598.	6530.2
#2	5200.8	86985.	6541.6

Sample Name: 280-62277-C-1-C MS Acquired: 11/18/2014 7:49:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 253416 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05878**	**1.9993**	**1.0389**	**1.4407**	**2.1244**	**.04983**	**2.2714**	**69.033**	**.10048**
Stddev	.00042	.0043	.0024	.0022	.0017	.00003	.0059	.048	.00012
%RSD	.70882	.21271	.22630	.14965	.08070	.06999	.25812	.06934	.12148
#1	.05848	2.0023	1.0372	1.4392	2.1256	.04980	2.2755	69.066	.10039
#2	.05907	1.9963	1.0405	1.4422	2.1232	.04985	2.2672	68.999	.10056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50970**	**.20384**	**.31822**	**4.7088**	**55.648**	**1.0633**	**53.902**	**.89954**	**1.1169**
Stddev	.00041	.00058	.00249	.0021	.013	.0022	.131	.00136	.0001
%RSD	.08017	.28588	.78113	.04389	.02354	.21036	.24298	.15148	.01150
#1	.50999	.20425	.31646	4.7073	55.639	1.0649	53.809	.89858	1.1170
#2	.50941	.20342	.31998	4.7102	55.657	1.0617	53.995	.90051	1.1168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**97.438**	**.51123**	**11.044**	**.51907**	**56.745**	**.56068**	**2.0336**	**10.510**	**2.1493**
Stddev	.265	.00032	.010	.00039	.032	.00230	.0055	.015	.0018
%RSD	.27214	.06194	.08725	.07575	.05602	.41068	.26999	.14127	.08564
#1	97.625	.51145	11.051	.51879	56.723	.55905	2.0297	10.500	2.1480
#2	97.250	.51100	11.037	.51934	56.768	.56231	2.0375	10.521	2.1506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1559**	**1.0139**	**1.0372**	**2.0422**	**2.0924**	**.51595**	**.51173**	**.50502**
Stddev	.0022	.0031	.0013	.0006	.0240	.00112	.00112	.00065
%RSD	.19080	.30584	.12764	.02699	1.1485	.21770	.21895	.12937
#1	1.1575	1.0117	1.0362	2.0426	2.0755	.51516	.51094	.50456
#2	1.1544	1.0161	1.0381	2.0419	2.1094	.51675	.51252	.50548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4969.7**	**83854.**	**6583.4**
Stddev	11.6	90.	15.6
%RSD	.23431	.10759	.23704
#1	4961.4	83917.	6594.5
#2	4977.9	83790.	6572.4

Sample Name: 280-62277-C-1-D MSD Acquired: 11/18/2014 7:51:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 253416 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05845**	**1.9989**	**1.0342**	**1.4330**	**2.1247**	**.04956**	**2.2541**	**68.864**	**.10004**
Stddev	.00132	.0017	.0021	.0040	.0111	.00016	.0004	.257	.00014
%RSD	2.2619	.08252	.20489	.27759	.52045	.33014	.01619	.37324	.13500
#1	.05938	1.9977	1.0327	1.4358	2.1168	.04945	2.2543	68.682	.10013
#2	.05751	2.0000	1.0357	1.4302	2.1325	.04968	2.2538	69.045	.09994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50821**	**.20339**	**.31924**	**4.7038**	**55.491**	**1.0622**	**53.924**	**.90054**	**1.1082**
Stddev	.00017	.00028	.00037	.0100	.178	.0015	.036	.00078	.0017
%RSD	.03332	.13936	.11533	.21212	.31995	.14238	.06741	.08643	.14982
#1	.50809	.20319	.31950	4.6968	55.365	1.0611	53.899	.89999	1.1071
#2	.50833	.20359	.31898	4.7109	55.616	1.0633	53.950	.90109	1.1094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**97.386**	**.50972**	**10.999**	**.51577**	**56.682**	**.55292**	**2.0216**	**10.505**	**2.1324**
Stddev	.537	.00014	.012	.00015	.033	.00084	.0007	.027	.0037
%RSD	.55095	.02667	.10846	.02820	.05812	.15221	.03595	.25946	.17242
#1	97.007	.50963	11.008	.51587	56.659	.55232	2.0211	10.524	2.1298
#2	97.765	.50982	10.991	.51567	56.705	.55351	2.0221	10.485	2.1350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1549**	**1.0097**	**1.0312**	**2.0375**	**2.1136**	**.51379**	**.51252**	**.50079**
Stddev	.0050	.0027	.0014	.0024	.0109	.00104	.00014	.00065
%RSD	.42863	.27184	.13215	.11684	.51462	.20198	.02656	.12943
#1	1.1514	1.0116	1.0322	2.0392	2.1213	.51306	.51261	.50125
#2	1.1584	1.0078	1.0303	2.0358	2.1059	.51453	.51242	.50033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4962.4**	**83737.**	**6602.8**
Stddev	11.7	149.	38.3
%RSD	.23629	.17736	.58021
#1	4970.7	83842.	6629.9
#2	4954.1	83632.	6575.7

Sample Name: 280-62274-C-11-B@5 Acquired: 11/18/2014 7:54:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/11 Custom ID2: Custom ID3:
Comment: 252087 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.00964**	**.00042**	**1.5192**	**.00333**	**.00005**	**-.00241**	**57.991**	**.00737**
Stddev	.00026	.00012	.00016	.0011	.00018	.00001	.00242	.115	.00012
%RSD	27.621	1.2036	37.552	.07377	5.3841	28.866	100.54	.19797	1.6346
#1	.00074	-.00973	.00031	1.5184	.00346	.00004	-.00413	58.072	.00745
#2	.00110	-.00956	.00053	1.5200	.00320	.00006	-.00070	57.909	.00728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00035**	**.00146**	**.01870**	**.91247**	**.02803**	**15.925**	**.00059**	**.00315**
Stddev	.00035	.00011	.00007	.00124	.03938	.00307	.035	.00011	.00007
%RSD	663.88	31.089	4.9051	6.6329	4.3154	10.953	.22242	18.661	2.3463
#1	.00030	.00042	.00141	.01782	.88463	.03020	15.900	.00067	.00309
#2	-.00019	.00027	.00151	.01958	.94031	.02586	15.950	.00052	.00320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.864**	**.00045**	**.04580**	**.00026**	**78.869**	**.00289**	**.00005**	**3.8575**	**-.00033**
Stddev	.481	.00046	.00281	.00071	.102	.00083	.00389	.0084	.00077
%RSD	.60936	101.89	6.1403	268.82	.12887	28.784	8011.2	.21896	232.95
#1	79.204	.00013	.04778	.00077	78.940	.00348	-.00270	3.8635	-.00087
#2	78.524	.00078	.04381	-.00024	78.797	.00230	.00280	3.8515	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88316**	**.00405**	**.00076**	**.00010**	**-.02303**	**.00083**	**.01469**	**.00006**
Stddev	.00069	.00045	.00010	.00052	.00135	.00048	.00053	.00040
%RSD	.07847	11.173	12.486	513.81	5.8487	57.646	3.6165	622.53
#1	.88365	.00373	.00083	-.00027	-.02398	.00117	.01507	-.00022
#2	.88267	.00437	.00070	.00047	-.02208	.00049	.01432	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5040.1**	**84654.**	**6538.4**
Stddev	10.5	99.	18.3
%RSD	.20842	.11732	.27939
#1	5047.5	84724.	6525.5
#2	5032.7	84584.	6551.4

Sample Name: 280-62236-C-2-B Acquired: 11/18/2014 7:56:53 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00793**	**.02051**	**4.9193**	**.02882**	**.00002**	**-.00633**	**170.86**	**.00044**
Stddev	.00038	.00013	.00136	.0040	.00028	.00006	.00195	.42	.00002
%RSD	172.10	1.6916	6.6275	.08222	.97934	309.94	30.758	.24862	4.1093
#1	.00050	-.00802	.01954	4.9222	.02862	-.00002	-.00771	171.16	.00046
#2	-.00005	-.00783	.02147	4.9165	.02902	.00006	-.00495	170.56	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00329**	**.00174**	**.01077**	**2.8000**	**.14556**	**60.364**	**.00081**	**.09356**
Stddev	.00016	.00021	.00025	.00081	.0205	.00013	.114	.00000	.00033
%RSD	827.32	6.4054	14.135	7.5150	.73233	.09020	.18870	.07240	.35590
#1	-.00009	.00344	.00192	.01135	2.8145	.14547	60.444	.00081	.09332
#2	.00013	.00314	.00157	.01020	2.7855	.14565	60.283	.00081	.09379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**339.23**	**.00152**	**.30911**	**.00090**	**209.59**	**.00133**	**.05708**	**22.294**	**-.00063**
Stddev	1.29	.00009	.00289	.00081	.33	.00065	.00385	.081	.00033
%RSD	.38070	5.8245	.93403	90.351	.15546	48.585	6.7516	.36348	51.839
#1	340.14	.00146	.30707	.00032	209.82	.00179	.05435	22.351	-.00040
#2	338.32	.00159	.31116	.00147	209.36	.00087	.05980	22.237	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2066**	**.00274**	**.00047**	**.00349**	**.03240**	**.00890**	**.00344**	**.00054**
Stddev	.0089	.00015	.00037	.00124	.02454	.00037	.00061	.00065
%RSD	.27913	5.5964	79.008	35.404	75.759	4.1852	17.747	119.06
#1	3.2129	.00285	.00072	.00436	.01504	.00863	.00301	.00100
#2	3.2002	.00263	.00021	.00262	.04975	.00916	.00388	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4808.0**	**80781.**	**6444.8**
Stddev	6.7	178.	.0
%RSD	.14014	.21989	.00051
#1	4803.3	80655.	6444.8
#2	4812.8	80906.	6444.7

Sample Name: 280-62236-C-3-B Acquired: 11/18/2014 7:59:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.01823**	**.01432**	**9.1250**	**.02848**	**.00001**	W **-.01139**	W **680.57**	**.00496**
Stddev	.00001	.00100	.00178	.0194	.00003	.00001	.00118	.74	.00016
%RSD	5.8468	5.4618	12.433	.21253	.12175	51.230	10.396	.10807	3.1372
#1	.00015	-.01753	.01306	9.1113	.02851	.00002	-.01222	680.05	.00485
#2	.00017	-.01894	.01558	9.1388	.02846	.00001	-.01055	681.09	.00507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit							3.0000	500.00	
Low Limit							-.01000	-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00286**	**.00524**	**.04631**	**6.8943**	**.28601**	**223.73**	**.00718**	**.04027**
Stddev	.00023	.00026	.00005	.00214	.0856	.00220	.17	.00008	.00001
%RSD	186.14	8.9629	.98393	4.6141	1.2409	.76912	.07430	1.1134	.01513
#1	.00028	.00268	.00528	.04782	6.8338	.28757	223.61	.00724	.04027
#2	-.00004	.00304	.00521	.04480	6.9548	.28445	223.84	.00713	.04027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **831.30**	**.01136**	**.43276**	**-.00126**	**467.29**	**.00164**	**.09901**	**23.725**	**-.00184**
Stddev	2.29	.00006	.00170	.00102	.46	.00214	.01054	.066	.00097
%RSD	.27604	.53164	.39358	80.820	.09807	130.26	10.641	.27760	52.554
#1	832.92	.01131	.43155	-.00198	466.97	.00316	.09156	23.771	-.00252
#2	829.68	.01140	.43396	-.00054	467.62	.00013	.10646	23.678	-.00116
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.788**	**.00310**	**.00104**	**.00168**	**.05574**	**.00584**	**.00708**	**-.00009**
Stddev	.088	.00093	.00007	.00082	.01354	.00003	.00003	.00053
%RSD	.74313	30.118	6.6066	48.768	24.289	.58660	.42475	607.70
#1	11.850	.00376	.00109	.00110	.04616	.00582	.00706	-.00046
#2	11.726	.00244	.00099	.00226	.06531	.00587	.00710	.00029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4422.2**	**74742.**	**6241.7**
Stddev	5.5	126.	23.6
%RSD	.12448	.16867	.37771
#1	4426.1	74653.	6225.0
#2	4418.3	74831.	6258.3

Sample Name: 280-62236-C-4-B Acquired: 11/18/2014 8:02:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252087 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.01455**	**.01720**	**6.4171**	**.01147**	**-.00007**	**-.00696**	**246.97**	**.00028**
Stddev	.00017	.00111	.00056	.0019	.00014	.00006	.00045	1.88	.00002
%RSD	27.720	7.6503	3.2474	.03021	1.2637	85.996	6.4627	.76009	7.3341
#1	.00075	-.01376	.01760	6.4157	.01137	-.00003	-.00728	245.64	.00026
#2	.00050	-.01534	.01681	6.4185	.01157	-.00011	-.00664	248.30	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00733**	**.00250**	**.04935**	**3.4926**	**.15535**	**81.045**	**.00284**	**.26990**
Stddev	.00010	.00001	.00008	.00097	.0380	.00080	.101	.00003	.00060
%RSD	102.11	.14512	3.1339	1.9714	1.0889	.51274	.12433	1.1339	.22130
#1	.00003	.00732	.00256	.05004	3.5195	.15592	81.116	.00286	.27032
#2	.00016	.00734	.00245	.04866	3.4657	.15479	80.974	.00281	.26948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**434.94**	**.00340**	**.32485**	**.00241**	**484.96**	**.00237**	**.00577**	**22.000**	**-.00121**
Stddev	.29	.00008	.00329	.00038	.05	.00050	.00634	.016	.00133
%RSD	.06555	2.2503	1.0128	15.944	.00963	20.946	109.91	.07390	109.23
#1	434.74	.00335	.32718	.00213	484.93	.00202	.00129	21.989	-.00215
#2	435.14	.00346	.32253	.00268	484.99	.00272	.01025	22.012	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0973**	**.00485**	**.00090**	**.00297**	**-.01287**	**.01544**	**.00333**	**.00045**
Stddev	.0056	.00048	.00012	.00124	.01422	.00031	.00048	.00282
%RSD	.13544	9.7880	13.385	41.928	110.48	1.9773	14.310	628.50
#1	4.0934	.00452	.00099	.00384	-.02292	.01523	.00299	.00244
#2	4.1012	.00519	.00082	.00209	-.00282	.01566	.00366	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4755.0**	**79544.**	**6449.3**
Stddev	3.4	62.	18.2
%RSD	.07086	.07783	.28200
#1	4752.6	79588.	6462.2
#2	4757.4	79501.	6436.4

Sample Name: ccvh-2982968 Acquired: 11/18/2014 8:05:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00660**	**48.877**	**-.00275**	**.03432**	**.00078**	**-.00003**	**1.0692**	**.08069**	**-.00027**	**.00161**	**.00012**	**-.00259**	**46.045**
Stddev	.00011	.015	.00461	.00163	.00006	.00006	.0014	.06599	.00007	.00025	.00006	.00017	.033
%RSD	1.6881	.03084	167.35	4.7494	7.9013	168.92	.13171	81.788	24.561	15.474	51.567	6.6019	.07163
#1	.00652	48.887	.00050	.03548	.00074	.00001	1.0702	.12735	-.00022	.00179	.00007	-.00271	46.022
#2	.00668	48.866	-.00601	.03317	.00083	-.00008	1.0682	.03402	-.00031	.00143	.00016	-.00247	46.068
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23073**	**.00229**	**.14856**	**-.00313**	**-.00137**	**258.42**	**.00079**	**.01291**	**.00345**	**5.2628**	**-.00080**	**.00326**	**-.01085**
Stddev	.02932	.00001	.00506	.00000	.00024	.67	.00005	.00168	.00011	.0508	.00003	.00011	.00661
%RSD	12.707	.41207	3.4046	.15220	17.375	.26045	6.5740	13.053	3.2084	.96426	4.2272	3.3726	60.924
#1	.25146	.00230	.15214	-.00313	-.00154	257.95	.00083	.01410	.00353	5.2987	-.00082	.00319	-.00618
#2	.20999	.00229	.14499	-.00312	-.00120	258.90	.00076	.01171	.00338	5.2270	-.00077	.00334	-.01553
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00215**	**4.8060**	**-.02335**	**.00102**	**10.053**	**.00440**	**-.00024**	**-.03905**
Stddev	.00002	.00102	.0164	.00029	.00183	.008	.00020	.00083	.00165
%RSD	2.5790	47.612	.34109	1.2386	178.86	.08129	4.6374	348.11	4.2184
#1	.00080	.00287	4.7944	-.02315	-.00027	10.048	.00455	-.00082	-.03789
#2	.00077	.00143	4.8176	-.02356	.00232	10.059	.00426	.00035	-.04022
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5017.6**	**83554.**	**6545.1**
Stddev	2.8	351.	3.7
%RSD	.05501	.41987	.05581
#1	5015.7	83802.	6542.5
#2	5019.6	83306.	6547.6

Sample Name: ccv-2984587 Acquired: 11/18/2014 8:08:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51548**	**.50956**	**.99866**	**.53626**	**.50991**	**.48179**	**.00391**	**4.8862**	**.50914**	**.50043**	**.49290**	**.51083**
Stddev	.00188	.00118	.00246	.00174	.00042	.00038	.00171	.0244	.00038	.00046	.00041	.00035
%RSD	.36456	.23065	.24628	.32358	.08308	.07830	43.730	.50022	.07519	.09216	.08249	.06761
#1	.51415	.51039	.99692	.53749	.50961	.48152	.00270	4.9034	.50886	.50011	.49319	.51059
#2	.51681	.50873	1.0004	.53503	.51021	.48205	.00512	4.8689	.50941	.50076	.49261	.51108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3010**	**50.583**	**1.0216**	**19.588**	**.49353**	**.50743**	F **5.6753**	**.49751**	**.99895**	**1.0181**	**.05092**	**1.0409**
Stddev	.0068	.015	.0006	.023	.00044	.00062	.0673	.00068	.00544	.0011	.00073	.0040
%RSD	.29389	.03047	.05393	.11618	.08892	.12132	1.1861	.13635	.54497	.10786	1.4280	.38896
#1	2.3058	50.572	1.0220	19.572	.49322	.50700	5.7229	.49799	1.0028	1.0173	.05144	1.0380
#2	2.2962	50.594	1.0212	19.604	.49384	.50787	5.6277	.49703	.99510	1.0189	.05041	1.0437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0487**	**4.6728**	**1.0163**	**.49781**	**.02640**	**.49566**	**1.0400**	**.01030**	**.49173**	**.47522**	**.48647**
Stddev	.0007	.0227	.0016	.00027	.00009	.00024	.0044	.01596	.00132	.00149	.00119
%RSD	.06357	.48470	.15640	.05491	.33057	.04763	.41881	154.93	.26781	.31396	.24468
#1	1.0492	4.6567	1.0174	.49800	.02647	.49550	1.0369	-.00098	.49080	.47417	.48732
#2	1.0482	4.6888	1.0151	.49762	.02634	.49583	1.0431	.02158	.49266	.47628	.48563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5137.6**	**86177.**	**6561.6**
Stddev	1.3	166.	1.4
%RSD	.02573	.19208	.02118
#1	5136.7	86294.	6560.6
#2	5138.6	86060.	6562.5

Sample Name: CCB Acquired: 11/18/2014 8:10:57 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**-.00534**	**.00291**	F **.01802**	**.00023**	**.00016**	**-.00210**	**.00172**	**.00031**	**-.00016**	**-.00004**	**.00005**
Stddev	.00005	.00028	.00123	.00091	.00006	.00001	.00383	.00204	.00007	.00009	.00003	.00009
%RSD	6.6555	5.2680	42.411	5.0667	27.731	4.1793	182.29	118.72	22.550	59.014	61.831	188.53
#1	.00081	-.00514	.00378	.01866	.00019	.00016	.00061	.00316	.00036	-.00023	-.00006	.00011
#2	.00074	-.00554	.00203	.01737	.00028	.00015	-.00481	.00028	.00026	-.00009	-.00002	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**.18287**	**.00045**	**.00686**	**.00004**	**.00058**	F **.41383**	**-.00046**	**.00442**	**-.00006**	**.02781**	**.00140**
Stddev	.00095	.03067	.00033	.00242	.00004	.00019	.00410	.00030	.00232	.00073	.01056	.00148
%RSD	28.078	16.769	73.640	35.231	86.553	32.191	.99072	64.914	52.606	1135.4	37.967	105.85
#1	.00272	.20456	.00022	.00515	.00002	.00071	.41093	-.00025	.00277	-.00058	.03528	.00245
#2	.00407	.16119	.00068	.00857	.00007	.00045	.41673	-.00067	.00606	.00045	.02034	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.20152					
Low Limit							-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00198**	**-.00049**	**.00016**	**.00334**	**.00025**	**.00016**	**.01430**	**-.00003**	**-.00120**	**-.00214**
Stddev	.00067	.00731	.00018	.00002	.00233	.00035	.00056	.03336	.00080	.00139	.00050
%RSD	1026.6	370.13	36.229	13.350	69.797	140.04	359.30	233.26	3075.6	115.10	23.165
#1	-.00054	.00320	-.00062	.00014	.00169	.00000	.00055	.03789	-.00060	-.00218	-.00249
#2	.00041	-.00715	-.00037	.00017	.00499	.00050	-.00024	-.00929	.00054	-.00022	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5207.1**	**87279.**	**6479.5**
Stddev	5.8	108.	.8
%RSD	.11062	.12429	.01280
#1	5211.2	87202.	6478.9
#2	5203.1	87355.	6480.1

Sample Name: CCVL2994499 Acquired: 11/18/2014 8:13:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.10336**	**.01361**	**.11830**	**.01102**	**.00102**	**.11990**	**.21140**	**.00560**	**.01078**	**.01028**	**.01576**
Stddev	.00012	.00024	.00083	.00002	.00011	.00010	.00016	.00054	.00012	.00008	.00011	.00016
%RSD	1.0533	.23153	6.0794	.01939	1.0408	9.3551	.13535	.25358	2.2070	.77938	1.0989	1.0254
#1	.01123	.10352	.01420	.11829	.01094	.00095	.11979	.21102	.00569	.01084	.01020	.01565
#2	.01140	.10319	.01303	.11832	.01110	.00108	.12002	.21178	.00552	.01072	.01035	.01588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09557**	**3.4315**	W **.01231**	**.21485**	**.01045**	**.02096**	F **1.4848**	**.04196**	**2.9810**	**.01048**	**.02405**	**.01042**
Stddev	.00061	.0279	.00110	.00093	.00000	.00017	.0140	.00026	.0060	.00017	.00601	.00132
%RSD	.64169	.81315	8.9038	.43380	.00309	.78965	.94195	.61519	.20043	1.6316	25.004	12.682
#1	.09600	3.4513	.01309	.21419	.01046	.02084	1.4749	.04215	2.9853	.01036	.02830	.00948
#2	.09514	3.4118	.01154	.21550	.01045	.02107	1.4947	.04178	2.9768	.01060	.01980	.01135
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			20.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01632**	**.49045**	**.10556**	**.01062**	W **.01911**	**.01024**	**.01724**	F **.09082**	**.01025**	**.01978**	**.01312**
Stddev	.01026	.01157	.00013	.00004	.00126	.00015	.00013	.01671	.00010	.00027	.00041
%RSD	62.905	2.3590	.12648	.38618	6.6112	1.4579	.73123	18.395	1.0214	1.3650	3.1427
#1	.02357	.49863	.10565	.01065	.02000	.01034	.01733	.07900	.01017	.01959	.01341
#2	.00906	.48226	.10546	.01059	.01821	.01013	.01715	.10263	.01032	.01997	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5231.4**	**88135.**	**6620.0**
Stddev	5.0	89.	40.1
%RSD	.09589	.10045	.60597
#1	5234.9	88198.	6591.7
#2	5227.9	88073.	6648.4

Sample Name: MB 280-252367/1-B Acquired: 11/18/2014 8:18:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/12 Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00435**	**.00019**	**.00792**	**.00060**	**-.00004**	**-.00131**	**-.00123**	**.00008**
Stddev	.00032	.00042	.00123	.00090	.00010	.00001	.00318	.00138	.00023
%RSD	48.763	9.6793	632.09	11.320	17.379	28.895	242.79	111.98	285.20
#1	.00043	-.00405	.00106	.00855	.00053	-.00005	-.00356	-.00026	.00025
#2	.00088	-.00464	-.00067	.00728	.00067	-.00003	.00094	-.00221	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00021**	**.00004**	**.00512**	**.15634**	**.00049**	**.00366**	**.00017**	**.00010**
Stddev	.00022	.00001	.00012	.00113	.00493	.00043	.00004	.00002	.00012
%RSD	196.74	4.6699	282.59	22.001	3.1508	87.976	1.2066	10.676	112.87
#1	-.00027	-.00022	-.00004	.00592	.15983	.00018	.00363	.00016	.00002
#2	.00004	-.00021	.00012	.00433	.15286	.00079	.00369	.00019	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34914**	**-.00033**	**.00494**	**.00011**	**.01650**	**.00125**	**.00367**	**-.01656**	**.00090**
Stddev	.00099	.00001	.00338	.00132	.00024	.00244	.00090	.03651	.00033
%RSD	.28421	2.4671	68.363	1165.4	1.4827	196.26	24.448	220.44	36.827
#1	.34984	-.00034	.00733	.00105	.01667	-.00048	.00431	-.04238	.00067
#2	.34844	-.00033	.00255	-.00082	.01632	.00297	.00304	.00925	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00403**	**.00047**	**-.00065**	**.01211**	**-.00040**	**.00014**	**-.00189**
Stddev	.00009	.00167	.00001	.00139	.03041	.00008	.00029	.00048
%RSD	147.34	41.455	2.9988	212.52	251.10	19.792	209.52	25.631
#1	.00000	.00521	.00048	-.00163	-.00939	-.00046	.00035	-.00155
#2	-.00013	.00285	.00046	.00033	.03361	-.00035	-.00007	-.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5237.8**	**88782.**	**6702.4**
Stddev	33.9	156.	4.0
%RSD	.64781	.17514	.05907
#1	5261.8	88672.	6705.2
#2	5213.9	88892.	6699.6

Sample Name: LCS 280-252367/2-B Acquired: 11/18/2014 8:21:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05710**	**1.9828**	**1.0127**	**1.0796**	**2.0803**	**.04903**	**2.2482**	**49.092**	**.09916**
Stddev	.00067	.0046	.0036	.0017	.0066	.00008	.0063	.103	.00005
%RSD	1.1678	.23168	.35689	.15955	.31624	.16621	.28075	.21049	.04741
#1	.05663	1.9795	1.0153	1.0784	2.0756	.04897	2.2438	49.019	.09919
#2	.05757	1.9860	1.0102	1.0808	2.0849	.04909	2.2527	49.165	.09912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50090**	**.20075**	**.25941**	**.92347**	**52.080**	**1.0378**	**49.641**	**.49672**	**1.0803**
Stddev	.00041	.00069	.00007	.00603	.173	.0027	.189	.00168	.0027
%RSD	.08189	.34239	.02883	.65289	.33302	.26386	.38027	.33910	.25144
#1	.50061	.20027	.25936	.91921	51.957	1.0358	49.507	.49553	1.0784
#2	.50119	.20124	.25946	.92773	52.203	1.0397	49.774	.49791	1.0822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.454**	**.49551**	**10.564**	**.51340**	**2.1363**	**.54520**	**2.1479**	**9.5656**	**2.0668**
Stddev	.277	.00124	.005	.00166	.0034	.00520	.0059	.0153	.0013
%RSD	.51821	.24990	.04533	.32402	.16079	.95388	.27571	.16039	.06114
#1	53.258	.49463	10.567	.51457	2.1339	.54888	2.1437	9.5548	2.0659
#2	53.650	.49638	10.560	.51222	2.1388	.54152	2.1521	9.5765	2.0677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0128**	**1.0029**	**1.0115**	**2.0472**	**2.0857**	**.50611**	**.48259**	**.48886**
Stddev	.0026	.0021	.0036	.0044	.0004	.00229	.00202	.00277
%RSD	.25556	.21327	.35618	.21415	.01860	.45283	.41855	.56615
#1	1.0110	1.0014	1.0089	2.0503	2.0854	.50448	.48116	.48691
#2	1.0147	1.0044	1.0140	2.0441	2.0860	.50773	.48401	.49082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5046.8**	**84998.**	**6687.5**
Stddev	9.1	295.	10.6
%RSD	.17960	.34756	.15858
#1	5053.2	85207.	6695.0
#2	5040.3	84789.	6680.0

Sample Name: 280-62261-B-1-D Acquired: 11/18/2014 8:24:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00865**	**-.00083**	**.04834**	**.04437**	**-.00000**	**-.00585**	W **760.19**	**.00117**
Stddev	.00001	.00138	.00097	.00049	.00053	.00002	.00046	5.39	.00008
%RSD	1.8943	16.001	116.71	1.0149	1.2003	586.35	7.7981	.70959	6.5724
#1	.00054	.00962	-.00014	.04869	.04475	-.00002	-.00553	764.00	.00112
#2	.00052	.00767	-.00151	.04799	.04400	.00001	-.00617	756.38	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01405**	**-.00007**	**.00392**	**.00964**	**7.5554**	**.14946**	**139.81**	**.77106**	**.00077**
Stddev	.00011	.00008	.00150	.00033	.0642	.00071	.57	.00108	.00019
%RSD	.75671	117.54	38.128	3.4724	.84952	.47434	.40695	.13976	24.370
#1	.01412	-.00012	.00498	.00987	7.5100	.14996	139.41	.77182	.00091
#2	.01397	-.00001	.00287	.00940	7.6008	.14896	140.22	.77029	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.291**	**.00498**	**-.00655**	**-.00041**	**867.15**	**.00320**	**.00863**	**.24553**	**-.00243**
Stddev	.159	.00021	.00352	.00172	4.56	.00337	.00173	.00533	.00076
%RSD	.78308	4.2441	53.656	424.94	.52536	105.37	20.088	2.1690	31.222
#1	20.403	.00483	-.00904	-.00162	863.93	.00559	.00740	.24176	-.00297
#2	20.178	.00513	-.00407	.00081	870.37	.00082	.00985	.24929	-.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69810**	**.00361**	**.00383**	**.00367**	**.06218**	**.00160**	**.00622**	**-.00126**
Stddev	.00019	.00542	.00369	.00040	.01162	.00091	.00318	.00133
%RSD	.02762	149.94	96.208	11.022	18.691	57.076	51.142	104.92
#1	.69796	.00745	.00644	.00395	.05396	.00224	.00846	-.00220
#2	.69824	-.00022	.00123	.00338	.07039	.00095	.00397	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4595.4**	**78880.**	**6522.0**
Stddev	48.4	12.	6.2
%RSD	1.0533	.01482	.09523
#1	4561.1	78871.	6517.6
#2	4629.6	78888.	6526.4

Sample Name: 280-62261-B-1-Dsd@5 Acquired: 11/18/2014 8:27:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00662**	**-.00246**	**.01460**	**.00874**	**-.00004**	**-.00323**	**157.77**	**.00041**
Stddev	.00008	.00022	.00055	.00034	.00011	.00005	.00149	.22	.00003
%RSD	45.959	3.2840	22.559	2.3517	1.2284	115.99	46.106	.13804	7.7322
#1	.00022	-.00646	-.00285	.01484	.00866	-.00007	-.00217	157.93	.00044
#2	.00011	-.00677	-.00207	.01436	.00881	-.00001	-.00428	157.62	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	**-.00018**	**.00042**	**.01624**	**1.6307**	**.03109**	**28.284**	**.15560**	**.00021**
Stddev	.00016	.00011	.00014	.00210	.0541	.00027	.008	.00013	.00037
%RSD	5.6436	62.698	32.995	12.913	3.3151	.86701	.02656	.08090	178.62
#1	.00270	-.00026	.00032	.01476	1.6689	.03128	28.279	.15568	-.00005
#2	.00292	-.00010	.00051	.01772	1.5925	.03090	28.289	.15551	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1137**	**.00100**	**.00089**	**.00027**	**172.16**	**.00044**	**.00006**	**.03797**	**-.00154**
Stddev	.0079	.00027	.00092	.00068	.48	.00177	.00203	.02306	.00012
%RSD	.19309	27.251	103.26	257.39	.27925	400.36	3292.4	60.733	7.5253
#1	4.1193	.00081	.00153	.00075	171.82	-.00081	.00150	.02166	-.00146
#2	4.1080	.00120	.00024	-.00022	172.50	.00170	-.00137	.05427	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13873**	**.00247**	**.00065**	**.00264**	**.02153**	**-.00001**	**.00145**	**-.00156**
Stddev	.00055	.00114	.00003	.00020	.02262	.00048	.00007	.00137
%RSD	.39953	46.202	5.1817	7.5760	105.06	3243.3	5.0910	88.286
#1	.13912	.00328	.00063	.00250	.00554	.00033	.00150	-.00058
#2	.13833	.00166	.00067	.00279	.03752	-.00035	.00140	-.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5005.3**	**84447.**	**6409.6**
Stddev	13.2	83.	60.6
%RSD	.26456	.09798	.94508
#1	5014.6	84505.	6452.4
#2	4995.9	84388.	6366.8

Sample Name: 280-62261-B-1-E MS Acquired: 11/18/2014 8:29:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05924**	**1.8906**	**1.0665**	**1.0959**	**2.1747**	**.04818**	**2.2681**	W **816.16**	**.10255**
Stddev	.00042	.0011	.0042	.0058	.0036	.00014	.0082	2.11	.00009
%RSD	.71286	.05768	.39322	.53239	.16683	.29571	.36179	.25858	.08630
#1	.05954	1.8899	1.0636	1.0918	2.1721	.04807	2.2623	814.67	.10249
#2	.05894	1.8914	1.0695	1.1000	2.1773	.04828	2.2739	817.65	.10261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50463**	**.20154**	**.26700**	**.91916**	**62.485**	**1.2451**	**188.29**	**1.2646**	**1.0885**
Stddev	.00061	.00019	.00001	.00750	.092	.0024	1.51	.0051	.0003
%RSD	.12186	.09216	.00268	.81621	.14698	.19631	.80152	.40351	.02628
#1	.50420	.20167	.26700	.91385	62.420	1.2434	187.22	1.2610	1.0883
#2	.50507	.20141	.26701	.92446	62.550	1.2469	189.36	1.2682	1.0887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.552**	**.48951**	**11.151**	**.48809**	**884.50**	**.55675**	**2.2874**	**10.119**	**2.0066**
Stddev	.702	.00019	.008	.00168	1.53	.00142	.0133	.009	.0025
%RSD	.92896	.03894	.06778	.34475	.17282	.25504	.57944	.09151	.12448
#1	75.056	.48938	11.146	.48690	883.42	.55574	2.2780	10.125	2.0084
#2	76.049	.48965	11.157	.48928	885.58	.55775	2.2968	10.112	2.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7416**	**1.0053**	**1.0138**	**1.8552**	**2.1579**	**.50813**	**.46098**	**.49236**
Stddev	.0031	.0056	.0044	.0063	.0141	.00373	.00365	.00165
%RSD	.17604	.55246	.43151	.34148	.65544	.73440	.79102	.33560
#1	1.7394	1.0014	1.0107	1.8597	2.1479	.50549	.45840	.49120
#2	1.7438	1.0092	1.0169	1.8507	2.1679	.51077	.46355	.49353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4576.6**	**78381.**	**6356.3**
Stddev	3.8	257.	12.9
%RSD	.08220	.32747	.20230
#1	4573.9	78562.	6347.2
#2	4579.3	78199.	6365.4

Sample Name: 280-62261-B-1-F MSD Acquired: 11/18/2014 8:32:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05945**	**1.8993**	**1.0696**	**1.1003**	**2.1880**	**.04822**	**2.2859**	W **805.16**	**.10256**
Stddev	.00044	.0037	.0069	.0004	.0042	.00008	.0058	11.77	.00020
%RSD	.74232	.19199	.64897	.03722	.19174	.15929	.25344	1.4621	.19613
#1	.05914	1.9019	1.0745	1.1006	2.1850	.04817	2.2818	813.48	.10242
#2	.05976	1.8967	1.0647	1.1001	2.1910	.04827	2.2900	796.84	.10270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50551**	**.20146**	**.26764**	**.91923**	**62.573**	**1.2536**	**187.31**	**1.2576**	**1.0933**
Stddev	.00125	.00011	.00044	.00515	.116	.0017	.80	.0003	.0001
%RSD	.24739	.05439	.16616	.56010	.18576	.13324	.42614	.02642	.01348
#1	.50640	.20154	.26795	.91559	62.491	1.2524	187.87	1.2578	1.0934
#2	.50463	.20139	.26732	.92287	62.656	1.2548	186.74	1.2574	1.0932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.217**	**.48929**	**11.150**	**.48918**	**876.46**	**.56146**	**2.3016**	**10.065**	**2.0136**
Stddev	.303	.00066	.004	.00294	.23	.00280	.0014	.050	.0022
%RSD	.40242	.13518	.03385	.60066	.02675	.49867	.05947	.49851	.10794
#1	75.003	.48975	11.153	.48710	876.29	.56344	2.3026	10.029	2.0120
#2	75.431	.48882	11.147	.49126	876.62	.55948	2.3007	10.100	2.0151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7401**	**1.0082**	**1.0157**	**1.8666**	**2.1307**	**.51044**	**.46171**	**.49053**
Stddev	.0016	.0004	.0004	.0023	.0097	.00124	.00140	.00126
%RSD	.09136	.04244	.03467	.12163	.45345	.24312	.30374	.25784
#1	1.7390	1.0079	1.0159	1.8682	2.1239	.51132	.46072	.48963
#2	1.7413	1.0085	1.0154	1.8650	2.1376	.50956	.46270	.49142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4597.7**	**78866.**	**6409.0**
Stddev	7.1	112.	31.3
%RSD	.15497	.14179	.48843
#1	4592.7	78787.	6386.9
#2	4602.8	78945.	6431.2

Sample Name: 280-62261-B-1-Dpds Acquired: 11/18/2014 8:35:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00909**	**1.0134**	**.22871**	**.14793**	**.15626**	**.05070**	**-.00520**	W **764.92**	**.05730**
Stddev	.00014	.0067	.00020	.00009	.00029	.00016	.00003	6.63	.00001
%RSD	1.4963	.66176	.08932	.05877	.18353	.31235	.58899	.86722	.02522
#1	.00918	1.0181	.22886	.14799	.15646	.05082	-.00523	769.61	.05731
#2	.00899	1.0087	.22857	.14787	.15605	.05059	-.00518	760.23	.05729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit								500.00	
Low Limit								-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06624**	**.05242**	**.05966**	**.98051**	**30.755**	**.26124**	**155.62**	**.79741**	**.05082**
Stddev	.00035	.00037	.00000	.00051	.137	.00094	.31	.00134	.00021
%RSD	.52111	.70376	.00041	.05197	.44527	.35981	.20100	.16844	.41152
#1	.06648	.05216	.05966	.98087	30.852	.26058	155.84	.79836	.05097
#2	.06599	.05268	.05966	.98015	30.658	.26191	155.40	.79646	.05067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.975**	**.05645**	**2.3317**	**.10395**	**860.03**	**.10506**	**.25118**	**4.9137**	**.09342**
Stddev	.053	.00031	.0066	.00022	.49	.00367	.00408	.0365	.00043
%RSD	.12374	.54685	.28148	.20691	.05651	3.4930	1.6250	.74392	.45759
#1	43.012	.05623	2.3270	.10379	860.37	.10247	.25407	4.8879	.09312
#2	42.937	.05667	2.3363	.10410	859.68	.10766	.24830	4.9396	.09372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73971**	**.21073**	**.04831**	**.19907**	**.55352**	**.05447**	**.19829**	**.04659**
Stddev	.00098	.00016	.00010	.00185	.03476	.00027	.00051	.00020
%RSD	.13243	.07694	.20919	.93035	6.2803	.49581	.25888	.43180
#1	.74041	.21061	.04824	.20038	.52894	.05428	.19793	.04673
#2	.73902	.21084	.04838	.19776	.57810	.05466	.19866	.04645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4752.5**	**81405.**	**6533.7**
Stddev	27.7	460.	36.1
%RSD	.58350	.56481	.55214
#1	4732.9	81080.	6508.1
#2	4772.1	81730.	6559.2

Sample Name: 280-62261-B-2-B Acquired: 11/18/2014 8:38:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00559**	**171.61**	**.02254**	**.03309**	**.00700**	**.01490**	**.08879**	**240.89**	**.10112**
Stddev	.00032	.06	.00580	.00018	.00002	.00005	.00007	1.76	.00013
%RSD	5.7327	.03547	25.724	.55855	.23526	.34683	.08045	.73177	.13022
#1	.00536	171.66	.01844	.03296	.00699	.01487	.08884	242.14	.10102
#2	.00581	171.57	.02664	.03322	.00701	.01494	.08874	239.65	.10121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1601**	**.01529**	F **51.762**	W **1310.0**	**1.6812**	**.19209**	**234.24**	F **21.295**	W **-.01351**
Stddev	.0010	.00033	.414	.0	.0188	.00054	.39	.014	.00027
%RSD	.03257	2.1569	.79986	.00249	1.1200	.28324	.16818	.06620	2.0331
#1	3.1609	.01553	51.469	1310.0	1.6679	.19247	233.96	21.285	-.01331
#2	3.1594	.01506	52.055	1310.0	1.6945	.19170	234.52	21.305	-.01370
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn
High Limit			50.000	500.00				20.000	2.0000
Low Limit			-.02000	40.000				-.02000	-.01000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.151**	**.82419**	**-.00006**	**.00204**	**1410.2**	**.00297**	**.02643**	**23.915**	**.00864**
Stddev	.127	.00100	.00100	.00036	.1	.00077	.00386	.016	.00021
%RSD	.78428	.12189	1704.1	17.561	.00658	25.830	14.599	.06622	2.4625
#1	16.241	.82490	.00065	.00230	1410.1	.00352	.02916	23.926	.00879
#2	16.062	.82348	-.00077	.00179	1410.3	.00243	.02371	23.904	.00849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48493**	F **-.16178**	**.00329**	**.02621**	**.93120**	**.03706**	W **13.773**	**.01107**
Stddev	.00031	.00169	.00005	.00163	.01188	.00009	.017	.00078
%RSD	.06300	1.0467	1.4913	6.2157	1.2754	.23255	.12524	7.0174
#1	.48515	-.16298	.00325	.02737	.93960	.03700	13.785	.01052
#2	.48472	-.16058	.00332	.02506	.92280	.03712	13.761	.01162
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		50.000					10.000	
Low Limit		-.02000					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7134.9**	**125350.**	**10822.**
Stddev	8.7	111.	40.
%RSD	.12207	.08831	.37154
#1	7128.7	125270.	10794.
#2	7141.0	125430.	10851.

Sample Name: ccvh-2982968 Acquired: 11/18/2014 8:41:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00739**	**48.498**	**-.00195**	**.00532**	**.00060**	**.00002**	**1.0691**	**.10998**	**-.00033**	**.00209**	**.00013**	**.00440**
Stddev	.00007	.204	.00160	.00043	.00020	.00005	.0046	.01562	.00012	.00009	.00005	.00129
%RSD	1.0151	.42102	82.047	8.0645	33.300	245.14	.43118	14.200	36.807	4.5346	39.010	29.295
#1	.00733	48.642	-.00309	.00502	.00074	.00005	1.0659	.12102	-.00024	.00202	.00017	.00531
#2	.00744	48.353	-.00082	.00562	.00046	-.00001	1.0724	.09894	-.00041	.00215	.00009	.00349
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.685**	**.28867**	**.00469**	**.17251**	**.00040**	**-.00140**	**256.53**	**.00092**	**.00164**	**.00263**	F **5.5790**	**-.00107**
Stddev	.331	.03576	.00050	.00653	.00060	.00001	.86	.00003	.00193	.00039	.0365	.00119
%RSD	.72433	12.387	10.754	3.7831	149.50	1.0154	.33394	3.2182	117.72	14.845	.65425	111.10
#1	45.919	.26339	.00433	.17712	.00082	-.00141	257.13	.00089	.00301	.00235	5.6048	-.00023
#2	45.451	.31396	.00504	.16789	-.00002	-.00139	255.92	.00094	.00028	.00291	5.5532	-.00191
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.000%	

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00107**	**.00101**	**.00047**	**4.7998**	**-.02311**	**.00156**	**10.030**	**.00444**	**.00114**	**-.03802**
Stddev	.00366	.01765	.00038	.00002	.0021	.00014	.00234	.002	.00027	.00053	.00008
%RSD	630.54	1647.7	37.367	5.2000	.04455	.61114	150.05	.01937	6.0921	46.977	.21046
#1	-.00317	.01355	.00127	.00049	4.8014	-.02321	-.00010	10.031	.00463	.00152	-.03797
#2	.00201	-.01141	.00074	.00045	4.7983	-.02301	.00322	10.029	.00425	.00076	-.03808
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5170.3**	**86856.**	**6948.2**
Stddev	.2	208.	4.6
%RSD	.00416	.23941	.06613
#1	5170.1	87003.	6945.0
#2	5170.4	86709.	6951.5

Sample Name: ccv-2984587 Acquired: 11/18/2014 8:44:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00060**	F **-.00405**	F **.00002**	F **-.00023**	F **-.00041**	F **.00001**	**.00418**	F **.01380**	F **.00002**	F **-.00008**	F **.00031**	F **-.00123**
Stddev	.00000	.00748	.00074	.00017	.00020	.00005	.00125	.00821	.00005	.00025	.00003	.00185
%RSD	.00294	184.77	4592.2	74.076	49.525	729.48	29.893	59.523	221.98	293.36	9.2188	150.20
#1	.00060	.00124	-.00051	-.00011	-.00026	.00004	.00330	.01961	.00006	.00009	.00032	.00008
#2	.00060	-.00934	.00054	-.00035	-.00055	-.00003	.00507	.00799	-.00001	-.00026	.00029	-.00254
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.04503**	F **.23513**	F **.00245**	F **.01811**	F **.00116**	F **-.00016**	F **.10338**	F **.00053**	F **-.00111**	F **.00026**	**.17122**	F **.00100**
Stddev	.00974	.00997	.00074	.00970	.00054	.00003	.01416	.00007	.00033	.00041	.05469	.00083
%RSD	21.638	4.2398	30.003	53.576	46.932	20.883	13.698	12.955	29.494	159.49	31.938	83.300
#1	.05192	.22808	.00193	.02497	.00155	-.00014	.11339	.00057	-.00088	-.00003	.20989	.00041
#2	.03814	.24218	.00297	.01125	.00078	-.00018	.09337	.00048	-.00134	.00054	.13256	.00158
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000		1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00269**	F **-.02900**	F **-.00046**	F **-.00004**	**.00643**	F **.00062**	F **.00427**	**.00654**	F **-.00064**	F **-.00022**	F **.00039**
Stddev	.00009	.00114	.00045	.00003	.00107	.00017	.00030	.01300	.00004	.00031	.00037
%RSD	3.2938	3.9157	97.436	79.326	16.675	27.898	6.9764	198.68	6.5542	136.91	95.049
#1	-.00275	-.02980	-.00014	-.00007	.00719	.00050	.00449	-.00265	-.00061	-.00001	.00065
#2	-.00263	-.02819	-.00078	-.00002	.00567	.00075	.00406	.01574	-.00066	-.00044	.00013
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9755.8**	**152910.**	**10622.**
Stddev	106.9	5945.	558.
%RSD	1.0956	3.8876	5.2529
#1	9831.4	148710.	10227.
#2	9680.2	157110.	11016.

Sample Name: CCB Acquired: 11/18/2014 8:46:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00066**	**.00021**	W **.00307**	**.00020**	**.00005**	**-.00066**	**.01012**	**.00017**	**-.00004**	**-.00019**	**.00093**
Stddev	.00056	.00272	.00224	.00004	.00015	.00002	.00077	.00342	.00011	.00010	.00014	.00018
%RSD	72.088	414.03	1052.3	1.4272	77.117	38.872	116.71	33.814	64.030	216.43	75.574	19.481
#1	.00117	.00258	-.00137	.00310	.00009	.00006	-.00011	.01254	.00025	-.00011	-.00009	.00080
#2	.00038	-.00127	.00180	.00304	.00030	.00004	-.00120	.00770	.00009	.00002	-.00029	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156								
Low Limit				-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.20317**	F **.31511**	W **.00392**	**.00863**	F **.00191**	**.00044**	W **.17872**	**-.00030**	**-.00020**	**.00185**	**.17847**	**.00047**
Stddev	.00365	.05907	.00052	.00055	.00002	.00005	.00010	.00032	.00291	.00023	.03907	.00076
%RSD	1.7984	18.747	13.354	6.3376	1.2960	12.039	.05755	105.03	1430.6	12.601	21.889	162.16
#1	.20575	.35688	.00355	.00824	.00189	.00040	.17864	-.00008	-.00226	.00169	.20609	-.00007
#2	.20058	.27334	.00429	.00902	.00193	.00048	.17879	-.00053	.00186	.00202	.15085	.00101
Check ?	Chk Fail	Chk Fail	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.04400	.25000	.00261		.00051		.09160					
Low Limit	-.04400	-.25000	-.00261		-.00051		-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00481**	**-.02187**	**-.00010**	**-.00008**	**.00344**	**.00047**	**-.00107**	**.00341**	**-.00037**	**-.00043**	**-.00027**
Stddev	.00192	.00332	.00052	.00001	.00056	.00036	.00089	.00798	.00030	.00062	.00008
%RSD	39.939	15.186	524.33	15.066	16.237	76.986	83.232	234.12	81.198	143.24	30.036
#1	-.00616	-.02422	-.00046	-.00008	.00305	.00021	-.00170	.00905	-.00059	-.00087	-.00033
#2	-.00345	-.01952	.00027	-.00009	.00384	.00073	-.00044	-.00223	-.00016	.00001	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5322.7**	**90043.**	**6735.3**
Stddev	2.1	31.	20.6
%RSD	.04008	.03439	.30598
#1	5321.2	90065.	6720.8
#2	5324.3	90021.	6749.9

Sample Name: CCVL2994499 Acquired: 11/18/2014 8:49:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01140**	**.10511**	W **.01118**	**.10719**	**.01081**	**.00108**	W **.12174**	**.20663**	**.00554**	**.01090**	**.01019**	**.01635**
Stddev	.00041	.00110	.00307	.00042	.00006	.00004	.00349	.00138	.00007	.00011	.00028	.00043
%RSD	3.5736	1.0461	27.504	.39325	.53435	4.1339	2.8640	.66572	1.1940	1.0348	2.7879	2.6207
#1	.01111	.10589	.00900	.10690	.01077	.00111	.12420	.20761	.00559	.01082	.01040	.01605
#2	.01169	.10433	.01335	.10749	.01085	.00104	.11927	.20566	.00550	.01098	.00999	.01665
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000					
Range			-20.000%				20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10606**	**3.4725**	W **.01291**	**.21810**	**.01067**	**.02084**	W **1.2492**	**.04210**	**2.9817**	W **.01083**	**.11189**	**.01162**
Stddev	.00196	.0204	.00127	.00333	.00003	.00021	.0044	.00030	.0068	.00096	.00013	.00067
%RSD	1.8495	.58881	9.8017	1.5289	.26134	1.0220	.35224	.71607	.22880	8.9070	.11283	5.7907
#1	.10745	3.4580	.01202	.21575	.01068	.02069	1.2524	.04189	2.9865	.01015	.11180	.01209
#2	.10468	3.4869	.01381	.22046	.01065	.02099	1.2461	.04231	2.9769	.01151	.11198	.01114
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value			.01000				1.0000			.00900		
Range			20.000%				20.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**.47698**	**.10656**	**.01046**	W **.01829**	**.01063**	**.01656**	F **.09286**	**.01043**	**.01971**	**.01291**
Stddev	.00216	.00461	.00006	.00004	.00078	.00017	.00000	.02807	.00061	.00051	.00095
%RSD	13.410	.96699	.05282	.35291	4.2871	1.5986	.02478	30.223	5.8703	2.5897	7.3316
#1	.01767	.47372	.10652	.01048	.01774	.01075	.01657	.07302	.01000	.02007	.01224
#2	.01461	.48024	.10660	.01043	.01885	.01051	.01656	.11271	.01086	.01935	.01358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5316.4**	**88285.**	**6671.3**
Stddev	14.5	1589.	131.2
%RSD	.27365	1.7993	1.9670
#1	5326.7	87162.	6764.1
#2	5306.2	89409.	6578.5

Sample Name: ccvh-2982968 Acquired: 11/18/2014 8:52:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01442**	**47.839**	k **-.00058**	**.00429**	k **.00042**	k **-.00002**	k **1.0103**	k **-.02704**	k **-.00031**	k **.00178**	k **.00035**	k **.01182**
Stddev	.00018	.009	.00243	.00042	.00043	.00006	.0018	.00399	.00017	.00044	.00019	.00005
%RSD	1.2222	.01791	417.78	9.7626	101.10	356.42	.17664	14.745	52.811	24.496	54.409	.42056
#1	k .01429	47.833	k -.00230	.00459	k .00012	k .00003	k 1.0091	k -.02422	k -.00043	k .00209	k .00022	k .01186
#2	k .01454	47.845	k .00114	.00400	k .00073	k -.00006	k 1.0116	k -.02986	k -.00020	k .00147	k .00049	k .01179
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **44.844**	**.24904**	k **.00160**	k **-.16365**	k **-.00057**	**-.00202**	**253.25**	k **.00050**	**.00594**	k **.01017**	**5.2066**	k **-.00864**
Stddev	.056	.00825	.00013	.00258	.00005	.00021	.60	.00010	.00278	.00036	.1102	.00194
%RSD	.12533	3.3121	7.9730	1.5775	8.2184	10.213	.23825	19.889	46.784	3.5025	2.1161	22.463
#1	k 44.883	.25487	k .00151	k -.16547	k -.00060	-.00187	252.82	k .00057	.00397	k .01042	5.2845	k -.01001
#2	k 44.804	.24321	k .00169	k -.16182	k -.00054	-.00216	253.67	k .00043	.00790	k .00992	5.1287	k -.00727
Check ?	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value	50.000											
Range	-10.000%											

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.01794**	k **-.02159**	k **.00260**	**.00024**	k **5.0113**	k **.01319**	k **-.00386**	k **9.8671**	k **.00397**	k **-.00144**	k **.14077**
Stddev	.00235	.01169	.00107	.00008	.0004	.00013	.00294	.0087	.00001	.00032	.00047
%RSD	13.119	54.149	40.943	33.633	.00821	1.0173	76.161	.08844	.21722	21.978	.33578
#1	k -.01628	k -.02986	k .00185	.00018	k 5.0116	k .01309	k -.00178	k 9.8609	k .00397	k -.00166	k .14044
#2	k -.01961	k -.01333	k .00336	.00030	k 5.0110	k .01328	k -.00595	k 9.8733	k .00396	k -.00122	k .14111
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5090.8**	**85192.**	**6743.4**
Stddev	18.3	68.	19.8
%RSD	.35931	.07979	.29368
#1	5103.7	85240.	6757.4
#2	5077.9	85144.	6729.4

Sample Name: ccv-2984587 Acquired: 11/18/2014 8:54:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51847**	**.51747**	**1.0185**	**.52444**	**.52194**	**.49313**	**.00789**	**4.9576**	**.51636**	**.51066**	**.50321**	**.51378**	**2.3420**	**51.909**
Stddev	.00249	.00047	.0029	.00011	.00113	.00025	.00328	.0140	.00116	.00140	.00077	.00217	.0022	.016
%RSD	.48102	.09054	.28712	.02109	.21598	.05154	41.512	.28145	.22483	.27358	.15205	.42145	.09461	.03070
#1	.51670	.51781	1.0206	.52436	.52274	.49331	.01021	4.9675	.51554	.50968	.50267	.51225	2.3435	51.921
#2	.52023	.51714	1.0164	.52452	.52114	.49296	.00558	4.9478	.51718	.51165	.50375	.51531	2.3404	51.898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0431**	**19.744**	**.50023**	**.51782**	**5.4382**	**.50737**	**1.0127**	**1.0357**	**.07531**	**1.0556**	**1.0572**	**4.7779**	**1.0332**	**.50795**
Stddev	.0014	.114	.00241	.00124	.0089	.00054	.0027	.0004	.00502	.0024	.0004	.0502	.0019	.00099
%RSD	.13237	.57494	.48249	.23952	.16325	.10727	.26657	.04206	6.6648	.23222	.03689	1.0514	.18873	.19529
#1	1.0441	19.664	.49852	.51694	5.4445	.50698	1.0108	1.0360	.07886	1.0539	1.0569	4.8134	1.0318	.50865
#2	1.0422	19.825	.50194	.51869	5.4319	.50775	1.0146	1.0354	.07177	1.0574	1.0575	4.7424	1.0346	.50725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02790**	**.50250**	**1.0567**	**.00470**	**.49949**	**.48116**	**.49873**
Stddev	.00219	.00294	.0001	.02641	.00176	.00195	.00269
%RSD	7.8569	.58557	.01073	561.73	.35182	.40540	.53855
#1	.02635	.50042	1.0566	.02338	.49824	.47978	.50063
#2	.02945	.50458	1.0568	-.01398	.50073	.48254	.49683
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5186.3**	**87265.**	**6664.7**
Stddev	9.9	344.	18.0
%RSD	.19124	.39475	.26979
#1	5193.3	87509.	6651.9
#2	5179.2	87021.	6677.4

Sample Name: CCB Acquired: 11/18/2014 8:57:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**-.00504**	**.00045**	W **.00294**	**.00021**	**.00011**	**-.00168**	**-.00760**	**.00027**	**-.00011**	**-.00009**	**-.00006**
Stddev	.00002	.00046	.00076	.00002	.00007	.00005	.00093	.00068	.00001	.00015	.00024	.00001
%RSD	3.4983	9.2084	170.14	.57829	30.852	40.459	55.153	8.9123	5.5068	134.26	255.61	10.055
#1	.00065	-.00471	.00098	.00293	.00026	.00008	-.00234	-.00712	.00028	-.00022	-.00026	-.00005
#2	.00068	-.00537	-.00009	.00295	.00017	.00014	-.00103	-.00808	.00026	-.00001	.00008	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156								
Low Limit				-.00156								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00599**	**.23631**	**.00237**	**.00496**	**.00002**	**.00067**	W **.18062**	**-.00054**	**.00021**	**.00125**	**.06854**	**-.00040**
Stddev	.00188	.05287	.00021	.00263	.00004	.00021	.00307	.00001	.00158	.00137	.00234	.00199
%RSD	31.421	22.372	8.7293	53.050	179.74	30.663	1.7015	1.5121	763.95	109.48	3.4208	496.05
#1	.00732	.27369	.00222	.00310	.00005	.00082	.18280	-.00055	-.00091	.00028	.06688	-.00181
#2	.00466	.19892	.00251	.00682	-.00001	.00053	.17845	-.00054	.00132	.00222	.07020	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**-.00579**	**-.00026**	**.00003**	**.00432**	**.00053**	**.00003**	**.00331**	**.00013**	**-.00078**	**-.00019**
Stddev	.00153	.00540	.00015	.00005	.00172	.00004	.00192	.00004	.00006	.00027	.00187
%RSD	303.77	93.291	57.603	185.39	39.861	8.1436	5666.4	1.2053	48.983	33.982	969.66
#1	-.00158	-.00197	-.00016	-.00001	.00310	.00050	-.00133	.00328	.00018	-.00097	-.00151
#2	.00058	-.00961	-.00037	.00006	.00554	.00056	.00139	.00334	.00009	-.00060	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5190.8**	**88549.**	**6689.2**
Stddev	57.4	126.	14.8
%RSD	1.1061	.14278	.22086
#1	5231.4	88638.	6699.7
#2	5150.2	88459.	6678.8

Sample Name: CCVL2994499 Acquired: 11/18/2014 8:59:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01153**	**.10387**	**.01487**	**.10680**	**.01099**	**.00108**	W **.12165**	**.20075**	**.00541**	**.01073**	**.01023**	**.01612**
Stddev	.00062	.00122	.00259	.00003	.00007	.00000	.00062	.00211	.00013	.00000	.00007	.00031
%RSD	5.3519	1.1779	17.436	.02686	.59336	.30702	.50952	1.0530	2.3732	.03518	.66997	1.9221
#1	.01196	.10474	.01304	.10682	.01095	.00108	.12121	.19925	.00550	.01074	.01018	.01590
#2	.01109	.10301	.01671	.10678	.01104	.00108	.12209	.20224	.00532	.01073	.01027	.01634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000					
Range							20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09654**	**3.4939**	F **.01387**	**.21562**	**.01057**	**.02090**	W **1.2667**	**.04178**	**2.9881**	**.01054**	**.06133**	**.00971**
Stddev	.00075	.0167	.00175	.00143	.00005	.00015	.0024	.00011	.0022	.00055	.00172	.00043
%RSD	.77447	.47673	12.647	.66326	.43771	.73917	.19033	.26503	.07523	5.2315	2.8021	4.4303
#1	.09601	3.4822	.01263	.21461	.01060	.02101	1.2650	.04170	2.9897	.01015	.06012	.00941
#2	.09707	3.5057	.01511	.21663	.01054	.02079	1.2684	.04186	2.9865	.01093	.06255	.01002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			30.000%				20.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01160**	**.46622**	**.10539**	**.01050**	**.01627**	**.01058**	**.01759**	F **.08449**	**.01018**	**.01978**	**.01618**
Stddev	.00004	.00733	.00081	.00010	.00254	.00005	.00040	.03204	.00004	.00067	.00026
%RSD	.34635	1.5731	.76805	.92363	15.593	.44186	2.2467	37.923	.34806	3.3869	1.6364
#1	.01163	.47141	.10482	.01043	.01447	.01055	.01731	.10714	.01016	.02025	.01599
#2	.01157	.46104	.10597	.01057	.01806	.01062	.01787	.06183	.01021	.01931	.01637
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500							.06000			
Range	-20.000%							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5328.1**	**89548.**	**6705.6**
Stddev	4.8	129.	19.5
%RSD	.08921	.14414	.29030
#1	5324.8	89457.	6719.4
#2	5331.5	89639.	6691.9

Sample Name: 280-62261-B-2-B Acquired: 11/18/2014 9:02:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00552**	**171.91**	**.01912**	**.03135**	**.00673**	**.01484**	**.08610**	**241.11**	**.10048**
Stddev	.00015	.26	.00240	.00015	.00010	.00003	.00087	.95	.00016
%RSD	2.7166	.15385	12.571	.46540	1.5479	.19186	1.0064	.39421	.15635
#1	.00562	172.09	.01742	.03145	.00681	.01486	.08549	241.79	.10059
#2	.00541	171.72	.02081	.03125	.00666	.01482	.08671	240.44	.10037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1608**	**.01534**	F **51.378**	W **1308.7**	**1.7272**	**.19014**	**234.60**	F **21.344**	W **-.01315**
Stddev	.0006	.00021	.172	2.6	.0243	.00037	.70	.031	.00042
%RSD	.01973	1.3550	.33405	.19763	1.4041	.19679	.29834	.14504	3.1769
#1	3.1604	.01549	51.257	1310.6	1.7100	.19041	234.10	21.366	-.01344
#2	3.1613	.01519	51.500	1306.9	1.7443	.18988	235.09	21.322	-.01285
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn
High Limit			50.000	500.00				20.000	2.0000
Low Limit			-.02000	40.000				-.02000	-.01000

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.980**	**.82493**	**.00307**	**.00142**	**1403.6**	**.00375**	**.03164**	**23.740**	**.00671**
Stddev	.261	.00055	.00627	.00146	1.0	.00339	.00250	.106	.00053
%RSD	1.6361	.06691	204.09	102.49	.07008	90.384	7.8913	.44696	7.8528
#1	15.795	.82532	-.00136	.00245	1404.3	.00135	.02988	23.815	.00634
#2	16.165	.82454	.00751	.00039	1402.9	.00615	.03341	23.665	.00709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48204**	F **-.15034**	**.00330**	**.02807**	**.95901**	**.03730**	W **13.889**	**.01081**
Stddev	.00049	.00446	.00008	.00123	.01160	.00024	.016	.00062
%RSD	.10198	2.9684	2.5549	4.3952	1.2098	.64218	.11470	5.7027
#1	.48239	-.15350	.00324	.02894	.96721	.03714	13.878	.01038
#2	.48170	-.14719	.00336	.02720	.95080	.03747	13.901	.01125
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		50.000					10.000	
Low Limit		-.02000					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.7**	**123580.**	**10672.**
Stddev	5.1	5.	4.
%RSD	.07258	.00434	.03579
#1	7063.0	123580.	10674.
#2	7070.3	123580.	10669.

Sample Name: LB3 280-252605/1-B Acquired: 11/18/2014 9:05:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/13 Custom ID2: Custom ID3:
Comment: 252714 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.01034**	**.00093**	**.01100**	**.00017**	**.00004**	**-.00299**	**.09821**	**.00032**
Stddev	.00024	.00234	.00357	.00048	.00024	.00004	.00118	.00760	.00001
%RSD	39.162	22.643	384.66	4.3525	140.97	98.163	39.617	7.7422	3.8393
#1	.00078	.01199	-.00159	.01066	.00000	.00007	-.00215	.10358	.00033
#2	.00044	.00868	.00345	.01134	.00034	.00001	-.00382	.09283	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00008**	**.01459**	**.35857**	**.25804**	**.00537**	**.08212**	**.00722**	**-.00005**
Stddev	.00026	.00015	.00808	.06537	.02099	.00019	.03936	.00394	.00034
%RSD	361.59	190.41	55.383	18.231	8.1355	3.5705	47.927	54.586	698.86
#1	.00011	.00003	.00888	.40479	.27289	.00524	.05429	.00443	.00019
#2	-.00026	-.00019	.02031	.31234	.24320	.00551	.10995	.01000	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4216**	**-.00086**	**.00222**	**-.00022**	**.37028**	**.00039**	**.00087**	**.00911**	**.00020**
Stddev	.0043	.00070	.00036	.00066	.04521	.00095	.00206	.01712	.00020
%RSD	.30168	80.810	16.154	307.49	12.210	242.81	235.91	187.86	100.38
#1	1.4246	-.00037	.00197	.00025	.40225	-.00028	-.00058	-.00299	.00035
#2	1.4186	-.00136	.00247	-.00068	.33831	.00106	.00233	.02122	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00211**	**.00048**	**-.00062**	**.03575**	**.00012**	**.00411**	**-.00021**
Stddev	.00006	.00028	.00001	.00016	.01219	.00030	.00298	.00004
%RSD	45.715	13.427	2.2341	25.417	34.088	237.47	72.427	16.895
#1	.00009	.00231	.00047	-.00051	.02713	-.00008	.00200	-.00023
#2	.00018	.00191	.00049	-.00073	.04436	.00033	.00621	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5275.1**	**89459.**	**6721.6**
Stddev	7.1	40.	32.2
%RSD	.13417	.04473	.47927
#1	5280.1	89487.	6744.4
#2	5270.1	89430.	6698.9

Sample Name: LCS 280-252605/2-B Acquired: 11/18/2014 9:08:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22769	.41935	.79953	.22164	2.5315	.00968	.46079	9.8961	.23124
Stddev	.00020	.00255	.00865	.00015	.0029	.00001	.00095	.0107	.00041
%RSD	.08587	.60770	1.0823	.06931	.11276	.08836	.20569	.10839	.17621
#1	.22755	.42116	.80565	.22175	2.5336	.00968	.46146	9.8885	.23153
#2	.22782	.41755	.79341	.22153	2.5295	.00969	.46012	9.9037	.23095
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10187	1.0524	.47274	.26356	10.752	.21290	9.8652	.10143	.21272
Stddev	.00028	.0008	.00121	.00587	.056	.00049	.0024	.00010	.00006
%RSD	.27151	.07274	.25620	2.2278	.52102	.23043	.02455	.09908	.02791
#1	.10206	1.0519	.47360	.26771	10.791	.21325	9.8635	.10136	.21268
#2	.10167	1.0530	.47188	.25940	10.712	.21255	9.8669	.10150	.21276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.480	.10075	2.0500	1.1760	.62064	.10619	.63854	1.9026	.41105
Stddev	.330	.00073	.0028	.0012	.00822	.00106	.00007	.0053	.00113
%RSD	2.2804	.72554	.13767	.10466	1.3237	1.0016	.01082	.27875	.27493
#1	14.714	.10023	2.0520	1.1768	.62645	.10544	.63849	1.9064	.41185
#2	14.247	.10126	2.0480	1.1751	.61484	.10694	.63859	1.8989	.41025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20314	.20132	.19803	.43347	.40542	.09958	.48267	.09533
Stddev	.00002	.00039	.00090	.00058	.03519	.00001	.00018	.00043
%RSD	.00863	.19278	.45350	.13286	8.6803	.00875	.03663	.45373
#1	.20316	.20105	.19739	.43388	.43031	.09958	.48279	.09564
#2	.20313	.20160	.19867	.43306	.38054	.09959	.48254	.09503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5199.5	88197.	6768.9
Stddev	4.6	184.	21.3
%RSD	.08845	.20908	.31463
#1	5196.3	88327.	6753.9
#2	5202.8	88067.	6784.0

Sample Name: 280-62135-A-2-B Acquired: 11/18/2014 9:10:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.46709**	**.00107**	**.23032**	**.03947**	**.00001**	F **-.02442**	**.30808**	**.00028**
Stddev	.00139	.00759	.01026	.00143	.00159	.00000	.00384	.03476	.00048
%RSD	704.83	1.6242	961.49	.61908	4.0178	51.484	15.742	11.282	171.72
#1	.00118	.47246	-.00619	.23132	.04059	.00000	-.02714	.28350	.00061
#2	-.00078	.46173	.00832	.22931	.03835	.00001	-.02170	.33265	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							100.00		
Low Limit							-.02000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.01437**	**.01857**	**1.4643**	^ *****	**.48130**	**.07132**	**.01004**	**.21293**
Stddev	.00038	.00005	.00006	.3780	-----	.04381	.00093	.00035	.00318
%RSD	28.652	.32265	.31516	25.814	-----	9.1029	1.2979	3.4399	1.4949
#1	.00105	.01434	.01861	1.1970	^ -----	.45032	.07197	.00979	.21518
#2	.00158	.01440	.01853	1.7316	231.33	.51228	.07066	.01028	.21068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5096.3**	**.00229**	**.22262**	**.01305**	**6.2424**	W **-.01298**	F **-.01608**	**20.314**	**.00343**
Stddev	257.0	.00023	.00626	.00235	.1149	.00507	.00117	.838	.00040
%RSD	5.0427	9.9537	2.8126	18.035	1.8408	39.081	7.2555	4.1263	11.792
#1	5278.0	.00246	.21819	.01139	6.3236	-.00939	-.01691	19.721	.00315
#2	4914.6	.00213	.22705	.01472	6.1611	-.01656	-.01526	20.906	.00372
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit	10.000					2.0000	50.000		
Low Limit	-1.0000					-.01000	-.01000		

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12896**	**.00327**	**.04596**	**.00234**	**.06551**	**.00411**	**2.6316**	**.00331**
Stddev	.00051	.00272	.00166	.00322	.04158	.00104	.0746	.00044
%RSD	.39699	83.269	3.6154	137.44	63.467	25.403	2.8361	13.193
#1	.12860	.00520	.04479	.00007	.03611	.00337	2.5788	.00300
#2	.12932	.00135	.04714	.00462	.09491	.00485	2.6843	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**1975.1**	**34974.**	**5061.2**
Stddev	4.0	568.	31.5
%RSD	.20228	1.6254	.62332
#1	1972.3	35376.	5038.9
#2	1977.9	34572.	5083.5

Sample Name: 280-62180-D-2-I Acquired: 11/18/2014 9:15:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00318**	**.00532**	**.50931**	**.35110**	**.00005**	**-.00025**	**45.209**	**.00035**
Stddev	.00002	.00038	.00066	.00029	.00066	.00006	.00064	.158	.00016
%RSD	3.3265	11.873	12.405	.05689	.18875	102.22	251.81	.34982	45.408
#1	.00059	-.00345	.00579	.50951	.35157	.00009	.00020	45.321	.00024
#2	.00062	-.00292	.00485	.50910	.35063	.00002	-.00071	45.097	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**.00342**	**.01089**	**.56423**	**39.898**	**.01768**	**29.755**	**.22402**	**.00033**
Stddev	.00019	.00016	.00065	.00206	.202	.00029	.041	.00012	.00007
%RSD	5.7853	4.6528	6.0092	.36476	.50512	1.6258	.13943	.05427	21.669
#1	.00345	.00353	.01043	.56568	40.041	.01748	29.785	.22411	.00028
#2	.00318	.00330	.01136	.56277	39.756	.01789	29.726	.22394	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**121.03**	**.01888**	**.11456**	**.00047**	**3.2846**	**.00221**	**-.00400**	**3.9378**	**.00115**
Stddev	.54	.00012	.00214	.00031	.0037	.00197	.00469	.0037	.00020
%RSD	.44800	.63655	1.8652	65.649	.11418	89.150	117.20	.09492	17.139
#1	121.41	.01880	.11305	.00069	3.2872	.00082	-.00068	3.9404	.00129
#2	120.64	.01897	.11608	.00025	3.2819	.00360	-.00731	3.9351	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34722**	**.00145**	**.00562**	**.00451**	**.00586**	**.00260**	**.02219**	**.00063**
Stddev	.00099	.00117	.00011	.00092	.02763	.00040	.00054	.00012
%RSD	.28508	80.535	1.9923	20.466	471.79	15.238	2.4410	19.366
#1	.34792	.00062	.00554	.00517	.02539	.00232	.02181	.00054
#2	.34652	.00228	.00570	.00386	-.01368	.00288	.02258	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4954.7**	**83830.**	**6626.4**
Stddev	7.7	139.	4.2
%RSD	.15583	.16625	.06365
#1	4949.3	83732.	6623.4
#2	4960.2	83929.	6629.4

Sample Name: 280-62180-D-2-lsd@5 Acquired: 11/18/2014 9:18:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00422**	**.00030**	**.10158**	**.06997**	**-.00007**	**-.00073**	**8.9738**	**.00016**
Stddev	.00058	.00030	.00336	.00012	.00045	.00002	.00081	.0196	.00003
%RSD	148.41	7.1050	1112.2	.11589	.64275	27.330	110.94	.21841	16.966
#1	.00080	-.00443	.00268	.10167	.06965	-.00008	-.00016	8.9599	.00014
#2	-.00002	-.00400	-.00208	.10150	.07029	-.00006	-.00130	8.9876	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00059**	**.00245**	**.13344**	**8.9085**	**.00643**	**6.0604**	**.04524**	**.00019**
Stddev	.00008	.00002	.00010	.00120	.0246	.00121	.0137	.00004	.00025
%RSD	20.830	3.1169	3.9016	.90202	.27669	18.734	.22532	.09085	136.67
#1	.00034	.00057	.00238	.13429	8.9259	.00729	6.0507	.04527	.00001
#2	.00046	.00060	.00252	.13259	8.8911	.00558	6.0701	.04521	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.606**	**.00346**	**.02190**	**-.00008**	**.70544**	**.00007**	**-.00109**	**.76015**	**.00031**
Stddev	.220	.00026	.00066	.00092	.00096	.00224	.00211	.00007	.00012
%RSD	.74216	7.5010	3.0321	1172.5	.13672	3436.7	193.53	.00871	40.450
#1	29.451	.00327	.02237	-.00073	.70612	.00165	-.00258	.76019	.00022
#2	29.762	.00364	.02143	.00057	.70476	-.00152	.00040	.76010	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06887**	**.00261**	**.00188**	**.00221**	**.01126**	**.00026**	**.00491**	**-.00122**
Stddev	.00017	.00109	.00002	.00139	.01263	.00020	.00082	.00109
%RSD	.24906	41.815	.88213	63.228	112.18	76.147	16.620	89.059
#1	.06875	.00184	.00187	.00122	.02018	.00040	.00549	-.00199
#2	.06900	.00338	.00189	.00319	.00233	.00012	.00434	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.7**	**87197.**	**6598.4**
Stddev	.4	121.	6.1
%RSD	.00867	.13848	.09293
#1	5166.0	87112.	6602.8
#2	5165.4	87283.	6594.1

Sample Name: 280-62180-D-2-J MS Acquired: 11/18/2014 9:20:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .24616	.43715	.90810	.77065	3.1474	.01086	.48848	57.010	.25625
Stddev	.00056	.00093	.00104	.00102	.0116	.00001	.00149	.157	.00070
%RSD	.22749	.21324	.11446	.13229	.36745	.12879	.30452	.27555	.27438
#1	.24576	.43780	.90884	.77137	3.1555	.01085	.48742	57.121	.25675
#2	.24656	.43649	.90737	.76993	3.1392	.01087	.48953	56.899	.25576
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11311	1.1542	.53249	.73864	52.251	.24577	41.367	.33316	.23650
Stddev	.00041	.0003	.00148	.00338	.128	.00091	.081	.00033	.00059
%RSD	.35932	.02921	.27811	.45793	.24543	.36888	.19520	.09942	.24837
#1	.11282	1.1544	.53144	.74103	52.342	.24641	41.310	.33292	.23691
#2	.11340	1.1540	.53354	.73624	52.161	.24513	41.424	.33339	.23608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	134.46	.12772	2.4867	1.2382	3.8840	.11873	.71161	5.9144	.44551
Stddev	.80	.00057	.0041	.0000	.0024	.00080	.00134	.0180	.00112
%RSD	.59782	.44637	.16395	.00279	.06162	.67363	.18896	.30369	.25169
#1	135.03	.12812	2.4838	1.2382	3.8857	.11929	.71256	5.9271	.44472
#2	133.89	.12731	2.4896	1.2381	3.8823	.11816	.71066	5.9017	.44630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.58050	.21983	.22665	.44825	.44589	.11293	.54561	.10836
Stddev	.00200	.00065	.00093	.00338	.02701	.00045	.00140	.00205
%RSD	.34388	.29537	.41006	.75484	6.0581	.39699	.25744	1.8945
#1	.58191	.22029	.22599	.45065	.42679	.11261	.54661	.10981
#2	.57909	.21937	.22731	.44586	.46499	.11324	.54462	.10691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4952.8	84052.	6639.5
Stddev	2.4	97.	38.8
%RSD	.04937	.11483	.58416
#1	4951.0	83983.	6612.1
#2	4954.5	84120.	6666.9

Sample Name: 280-62180-D-2-K MSD Acquired: 11/18/2014 9:23:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252714 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22697	.42148	.85702	.72748	2.9920	.01039	.45520	54.436	.24119
Stddev	.00005	.00295	.00587	.00266	.0043	.00003	.00033	.067	.00021
%RSD	.02250	.69961	.68544	.36606	.14467	.25054	.07303	.12263	.08636
#1	.22693	.42357	.85287	.72937	2.9950	.01038	.45544	54.483	.24134
#2	.22701	.41939	.86117	.72560	2.9889	.01041	.45497	54.389	.24104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000								
Low Limit	-.01000								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10816	1.1060	.50747	.70087	49.444	.23482	39.664	.31808	.22601
Stddev	.00015	.0019	.00111	.00587	.035	.00053	.061	.00015	.00020
%RSD	.14327	.16864	.21923	.83778	.06999	.22572	.15425	.04667	.08773
#1	.10805	1.1073	.50668	.70502	49.469	.23444	39.621	.31798	.22615
#2	.10827	1.1047	.50826	.69672	49.420	.23519	39.707	.31819	.22587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	126.92	.12186	2.3458	1.1677	3.6422	.11317	.68216	5.5906	.42266
Stddev	.57	.00022	.0010	.0029	.0059	.00024	.00093	.0168	.00062
%RSD	.44795	.17816	.04060	.25242	.16192	.20940	.13699	.29982	.14618
#1	127.32	.12202	2.3451	1.1698	3.6380	.11300	.68150	5.5788	.42223
#2	126.52	.12171	2.3464	1.1656	3.6464	.11333	.68282	5.6025	.42310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55278	.20870	.21496	.42319	.46041	.10748	.51345	.10157
Stddev	.00074	.00107	.00049	.00103	.00630	.00004	.00155	.00086
%RSD	.13442	.51373	.22684	.24328	1.3693	.03423	.30258	.84192
#1	.55331	.20946	.21462	.42246	.45595	.10745	.51455	.10218
#2	.55226	.20795	.21531	.42392	.46487	.10750	.51235	.10097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4963.1	84134.	6646.9
Stddev	.7	130.	21.8
%RSD	.01408	.15413	.32790
#1	4962.6	84225.	6631.5
#2	4963.6	84042.	6662.3

Sample Name: ccvh-2982968 Acquired: 11/18/2014 9:25:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00721**	**48.785**	**.00033**	**.00669**	**.00144**	**.00001**	**1.0641**	**-.03001**	**-.00037**	**.00160**	**.00031**	**-.00231**	**45.421**
Stddev	.00029	.068	.00208	.00074	.00015	.00001	.0030	.00519	.00008	.00005	.00021	.00071	.218
%RSD	3.9824	.13967	625.88	11.084	10.152	91.788	.28583	17.293	20.087	3.0882	67.857	30.686	.48043
#1	.00741	48.833	.00180	.00721	.00134	.00001	1.0662	-.02634	-.00043	.00156	.00016	-.00181	45.575
#2	.00701	48.737	-.00114	.00617	.00155	.00000	1.0619	-.03368	-.00032	.00163	.00046	-.00281	45.266
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87029**	**.00493**	**.13728**	**-.00303**	**-.00152**	**259.39**	**.00205**	**.00414**	**.00319**	**5.2063**	**.00116**	**-.00345**	**-.02349**
Stddev	.02679	.00073	.00194	.00007	.00032	.65	.00004	.00080	.00054	.0125	.00304	.00114	.00482
%RSD	3.0781	14.882	1.4167	2.4354	20.911	.25025	2.1865	19.294	17.056	.24055	261.28	32.985	20.525
#1	.85135	.00545	.13591	-.00298	-.00175	258.93	.00202	.00471	.00281	5.1975	.00331	-.00264	-.02690
#2	.88923	.00441	.13866	-.00308	-.00130	259.85	.00208	.00358	.00358	5.2152	-.00099	-.00425	-.02008
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**.00029**	**4.8388**	**-.02313**	**.00046**	**10.093**	**.00442**	**-.00070**	**-.03858**
Stddev	.00051	.00004	.0052	.00029	.00105	.016	.00031	.00036	.00145
%RSD	22.930	13.720	.10765	1.2617	228.66	.15503	7.0065	51.342	3.7535
#1	.00258	.00032	4.8351	-.02334	-.00028	10.104	.00464	-.00095	-.03755
#2	.00186	.00026	4.8425	-.02292	.00121	10.082	.00420	-.00045	-.03960
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5037.7**	**84358.**	**6620.4**
Stddev	6.5	232.	.7
%RSD	.12866	.27483	.00993
#1	5033.1	84522.	6619.9
#2	5042.2	84194.	6620.8

Sample Name: ccv-2984587 Acquired: 11/18/2014 9:28:30 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51501**	**.51284**	**1.0038**	**.51767**	**.51115**	**.48082**	**.00680**	**4.8194**	**.51097**	**.50383**	**.49658**	**.50824**
Stddev	.00281	.00148	.0055	.00145	.00018	.00016	.00035	.0072	.00040	.00068	.00039	.00180
%RSD	.54499	.28899	.54921	.28089	.03471	.03382	5.1673	.14993	.07840	.13504	.07819	.35436
#1	.51699	.51389	1.0077	.51870	.51103	.48094	.00655	4.8143	.51069	.50335	.49630	.50952
#2	.51302	.51179	.99987	.51664	.51128	.48071	.00705	4.8245	.51125	.50431	.49685	.50697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2712**	**51.100**	**1.0207**	**19.560**	**.49571**	**.50746**	F **6.8133**	**.50088**	**.99751**	**1.0201**	**.06950**	**1.0441**
Stddev	.0069	.137	.0006	.051	.00071	.00029	.0447	.00065	.00373	.0027	.00118	.0035
%RSD	.30224	.26865	.05398	.25892	.14360	.05695	.65577	.12975	.37435	.26338	1.7019	.33130
#1	2.2761	51.197	1.0203	19.596	.49621	.50725	6.8449	.50134	.99487	1.0220	.06867	1.0465
#2	2.2664	51.003	1.0211	19.524	.49521	.50766	6.7817	.50042	1.0001	1.0182	.07034	1.0416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0419**	**4.6758**	**1.0165**	**.49862**	**.02896**	**.49912**	**1.0447**	**.00592**	**.49367**	**.47734**	**.48661**
Stddev	.0014	.0085	.0003	.00016	.00041	.00147	.0025	.00125	.00174	.00141	.00283
%RSD	.13012	.18178	.02481	.03274	1.4133	.29436	.23561	21.046	.35329	.29579	.58213
#1	1.0410	4.6698	1.0163	.49850	.02925	.50016	1.0464	.00680	.49491	.47834	.48461
#2	1.0429	4.6818	1.0167	.49873	.02867	.49808	1.0429	.00504	.49244	.47635	.48862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5175.6**	**86585.**	**6639.5**
Stddev	7.2	207.	11.8
%RSD	.13877	.23874	.17756
#1	5180.7	86439.	6631.1
#2	5170.6	86732.	6647.8

Sample Name: CCB Acquired: 11/18/2014 9:30:59 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00093**	**-.00385**	**.00026**	F **.00433**	**.00039**	**.00008**	**-.00217**	**-.00691**	**.00025**	**-.00026**	**-.00009**	**.00035**
Stddev	.00012	.00096	.00354	.00058	.00000	.00006	.00286	.00019	.00015	.00001	.00031	.00005
%RSD	13.328	24.786	1378.1	13.418	1.2634	68.710	131.68	2.6782	61.192	4.7696	330.04	14.634
#1	.00102	-.00318	.00276	.00474	.00039	.00004	-.00015	-.00678	.00036	-.00025	-.00032	.00038
#2	.00085	-.00453	-.00225	.00392	.00040	.00012	-.00420	-.00704	.00014	-.00027	.00013	.00031
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312								
Low Limit	-.00093			-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00608**	F **.64261**	**.00174**	**.00660**	**.00009**	**.00071**	F **1.6326**	**-.00047**	**-.00151**	**.00067**	**.06959**	**.00004**
Stddev	.00114	.01823	.00014	.00284	.00001	.00032	.0092	.00009	.00115	.00082	.00110	.00015
%RSD	18.786	2.8372	7.8578	43.044	16.528	45.395	.56064	19.286	76.086	123.18	1.5874	330.48
#1	.00689	.62972	.00183	.00861	.00010	.00048	1.6261	-.00040	-.00070	.00125	.06880	-.00006
#2	.00527	.65550	.00164	.00459	.00008	.00094	1.6391	-.00053	-.00233	.00009	.07037	.00015
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000					.20152					
Low Limit		-.25000					-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**.01664**	**.00050**	**.00003**	**.00150**	**.00051**	**-.00047**	**.02004**	**-.00020**	**-.00048**	**-.00028**
Stddev	.00075	.00919	.00081	.00004	.00110	.00007	.00169	.00796	.00045	.00039	.00008
%RSD	22.776	55.268	162.92	164.57	73.218	14.087	360.21	39.727	231.96	81.693	30.250
#1	.00277	.01013	.00107	.00006	.00072	.00046	.00073	.01441	.00013	-.00020	-.00034
#2	.00383	.02314	-.00008	-.00000	.00227	.00056	-.00167	.02567	-.00052	-.00076	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5223.6**	**88207.**	**6589.6**
Stddev	1.6	91.	19.1
%RSD	.03029	.10359	.29034
#1	5224.7	88272.	6603.1
#2	5222.5	88143.	6576.1

Sample Name: CCVL2994499 Acquired: 11/18/2014 9:33:41 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01222**	**.10302**	**.01641**	**.10657**	**.01103**	**.00104**	**.11932**	**.20153**	**.00555**	**.01075**	**.01037**	**.01617**
Stddev	.00019	.00108	.00450	.00010	.00002	.00002	.00063	.00121	.00000	.00023	.00011	.00024
%RSD	1.5396	1.0530	27.457	.09282	.21213	1.9408	.52732	.59825	.06032	2.1349	1.0580	1.4638
#1	.01235	.10225	.01322	.10650	.01101	.00105	.11888	.20067	.00555	.01091	.01029	.01634
#2	.01208	.10378	.01959	.10664	.01104	.00102	.11977	.20238	.00555	.01059	.01044	.01601
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000											
Range	20.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09652**	W **3.7439**	W **.01266**	**.21494**	**.01049**	**.02067**	F **2.5005**	**.04189**	**2.9532**	**.01025**	**.05611**	**.01013**
Stddev	.00013	.0571	.00067	.00028	.00004	.00006	.0119	.00009	.0042	.00054	.00156	.00059
%RSD	.13727	1.5251	5.3298	.13042	.35535	.28174	.47559	.21285	.14098	5.2590	2.7820	5.8049
#1	.09661	3.7843	.01314	.21514	.01051	.02062	2.5089	.04183	2.9503	.00987	.05722	.00972
#2	.09643	3.7036	.01218	.21474	.01046	.02071	2.4921	.04196	2.9562	.01063	.05501	.01055
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value		3.0000	.01000				1.0000					
Range		20.000%	20.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01571**	**.47499**	**.10551**	**.01039**	**.01677**	**.01075**	**.01659**	F **.07934**	**.00988**	**.01975**	**.01421**
Stddev	.00562	.00287	.00060	.00006	.00038	.00028	.00073	.00592	.00015	.00039	.00159
%RSD	35.791	.60382	.56395	.57396	2.2610	2.5665	4.3924	7.4665	1.5678	1.9696	11.192
#1	.01173	.47296	.10593	.01035	.01650	.01095	.01607	.07515	.00977	.02002	.01534
#2	.01968	.47702	.10509	.01044	.01703	.01056	.01710	.08353	.00999	.01947	.01309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5256.3**	**88616.**	**6649.6**
Stddev	11.2	4.	17.0
%RSD	.21217	.00444	.25566
#1	5264.2	88613.	6661.6
#2	5248.4	88618.	6637.5

Sample Name: 280-61905-H-1-B Acquired: 11/18/2014 9:36:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: 11/6 Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.21631**	**.00234**	**1.4124**	**.07548**	**.00002**	**-.00077**	**29.211**	**.00003**
Stddev	.00004	.00030	.00240	.0004	.00044	.00006	.00127	.074	.00011
%RSD	5.6374	.13846	102.80	.03058	.57948	267.47	165.02	.25373	424.03
#1	.00066	.21653	.00403	1.4127	.07579	-.00002	-.00167	29.263	.00010
#2	.00072	.21610	.00064	1.4120	.07517	.00007	.00013	29.158	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00045**	**.00327**	**.12417**	**1.4153**	**.08434**	**7.3841**	**.18159**	**.01304**
Stddev	.00010	.00009	.00023	.00039	.0208	.00240	.0054	.00013	.00036
%RSD	16.717	20.606	7.0736	.31193	1.4717	2.8422	.07259	.07420	2.7519
#1	.00054	.00052	.00344	.12390	1.4006	.08264	7.3879	.18169	.01329
#2	.00068	.00039	.00311	.12444	1.4301	.08603	7.3803	.18150	.01278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **944.24**	**.00159**	**.05029**	**-.00039**	**177.41**	**-.00131**	**-.00144**	**4.7990**	**.00013**
Stddev	1.48	.00009	.00045	.00028	.14	.00020	.00261	.0334	.00056
%RSD	.15678	5.4417	.88853	72.074	.07765	15.233	181.16	.69543	441.29
#1	945.28	.00153	.04997	-.00059	177.51	-.00145	.00041	4.7754	.00053
#2	943.19	.00165	.05060	-.00019	177.32	-.00117	-.00329	4.8226	-.00027
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91204**	**.00217**	**.00513**	**.00045**	**.05109**	**.00452**	**.01025**	**.00047**
Stddev	.00083	.00265	.00036	.00055	.02181	.00034	.00029	.00023
%RSD	.09081	122.25	6.9424	121.10	42.692	7.6073	2.8070	49.309
#1	.91262	.00029	.00538	.00006	.06651	.00428	.01045	.00063
#2	.91145	.00405	.00487	.00084	.03567	.00476	.01005	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4768.9**	**78905.**	**6577.2**
Stddev	10.6	16.	8.0
%RSD	.22258	.01979	.12238
#1	4776.4	78894.	6582.9
#2	4761.4	78916.	6571.5

Sample Name: 280-61905-B-2-B Acquired: 11/18/2014 9:39:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.20655**	**-.00226**	**1.4265**	**.01668**	**.00003**	**-.00452**	**3.4233**	**.00016**
Stddev	.00009	.00162	.00086	.0029	.00006	.00006	.00288	.0101	.00019
%RSD	11.525	.78401	38.265	.20572	.36981	203.13	63.789	.29633	118.91
#1	.00072	.20770	-.00287	1.4286	.01663	-.00001	-.00248	3.4161	.00003
#2	.00085	.20541	-.00165	1.4244	.01672	.00007	-.00656	3.4305	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00039**	**.00218**	**.10154**	**1.3646**	**.20899**	**.50361**	**.01342**	**.01240**
Stddev	.00022	.00004	.00005	.00092	.0139	.00205	.00005	.00002	.00005
%RSD	297.94	11.118	2.1068	.90797	1.0194	.97955	.01085	.17125	.36889
#1	.00008	.00042	.00214	.10089	1.3744	.20754	.50364	.01343	.01236
#2	-.00023	.00036	.00221	.10219	1.3548	.21044	.50357	.01340	.01243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**429.90**	**.00015**	**.03638**	**.00058**	**159.57**	**-.00275**	**-.00376**	**10.083**	**-.00007**
Stddev	2.94	.00038	.00010	.00030	.28	.00005	.00039	.058	.00068
%RSD	.68381	252.32	.28571	52.699	.17587	1.7058	10.410	.57979	918.23
#1	427.82	.00041	.03631	.00036	159.76	-.00278	-.00404	10.042	.00041
#2	431.97	-.00012	.03645	.00079	159.37	-.00271	-.00349	10.124	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96956**	**.00289**	**.00583**	**-.00181**	**.00372**	**.00055**	**.10038**	**.00069**
Stddev	.00628	.00131	.00024	.00010	.04233	.00006	.00007	.00141
%RSD	.64737	45.333	4.0350	5.6536	1137.3	10.555	.06690	203.48
#1	.96512	.00381	.00567	-.00173	.03365	.00051	.10043	-.00030
#2	.97400	.00196	.00600	-.00188	-.02621	.00059	.10033	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4916.0**	**81433.**	**6527.0**
Stddev	7.9	6.	18.8
%RSD	.16067	.00683	.28764
#1	4910.4	81436.	6540.2
#2	4921.6	81429.	6513.7

Sample Name: 280-61905-F-5-B Acquired: 11/18/2014 9:42:08 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.01766**	**.00354**	**.88611**	**.01832**	**-.00000**	**-.00146**	**3.1446**	**.00009**
Stddev	.00002	.00070	.00176	.00025	.00009	.00008	.00116	.0025	.00005
%RSD	3.9898	3.9517	49.729	.02839	.47909	2488.5	79.544	.08019	52.599
#1	.00052	.01815	.00229	.88594	.01838	-.00006	-.00228	3.1428	.00013
#2	.00055	.01717	.00478	.88629	.01826	.00005	-.00064	3.1464	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00012**	**.00619**	**.06850**	**1.1205**	**.22138**	**.38426**	**.01321**	**.05518**
Stddev	.00009	.00013	.00001	.00060	.0162	.00026	.00491	.00013	.00017
%RSD	26.076	110.40	.14941	.87251	1.4497	.11657	1.2767	1.0043	.31614
#1	.00027	.00003	.00618	.06892	1.1090	.22157	.38772	.01311	.05531
#2	.00039	.00021	.00619	.06808	1.1319	.22120	.38079	.01330	.05506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**447.12**	**.00107**	**.01734**	**.00037**	**116.08**	**.00092**	**-.00073**	**3.7340**	**-.00015**
Stddev	.98	.00014	.00086	.00084	.39	.00178	.00664	.0216	.00034
%RSD	.21918	12.651	4.9603	225.07	.33729	193.62	915.18	.57815	224.00
#1	446.42	.00097	.01794	-.00022	116.36	.00218	-.00542	3.7493	-.00039
#2	447.81	.00116	.01673	.00096	115.81	-.00034	.00397	3.7188	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51152**	**.00259**	**.00106**	**.00168**	**.02846**	**.00002**	**.00281**	**-.00096**
Stddev	.00064	.00126	.00005	.00024	.02274	.00014	.00000	.00016
%RSD	.12531	48.773	4.5835	14.013	79.898	582.90	.02941	16.454
#1	.51107	.00170	.00110	.00184	.04455	.00013	.00281	-.00085
#2	.51197	.00348	.00103	.00151	.01238	-.00008	.00281	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4903.3**	**82075.**	**6597.5**
Stddev	16.5	31.	55.7
%RSD	.33700	.03776	.84354
#1	4915.0	82097.	6558.1
#2	4891.6	82053.	6636.8

Sample Name: 280-61905-F-6-B Acquired: 11/18/2014 9:44:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00410**	**.00398**	**1.1876**	**.02508**	**.00011**	**-.00377**	**18.751**	**-.00002**
Stddev	.00022	.00026	.00233	.0034	.00073	.00001	.00068	.079	.00003
%RSD	45.423	6.3864	58.496	.28922	2.9084	6.6321	17.935	.42213	191.36
#1	.00064	.00428	.00233	1.1900	.02559	.00010	-.00425	18.695	.00001
#2	.00033	.00391	.00563	1.1852	.02456	.00011	-.00329	18.807	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00088**	**.00461**	**.01263**	**1.0792**	**.11967**	**3.5715**	**.00039**	**.00604**
Stddev	.00019	.00016	.00032	.00804	.0063	.00068	.0002	.00003	.00009
%RSD	209.75	17.851	6.8329	63.648	.58484	.56935	.00587	7.7477	1.4084
#1	.00023	.00099	.00484	.01832	1.0747	.12016	3.5713	.00037	.00598
#2	-.00004	.00077	.00439	.00695	1.0836	.11919	3.5716	.00041	.00610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **597.41**	**.00012**	**.02174**	**.00063**	**114.79**	**-.00221**	**.01498**	**4.5138**	**-.00073**
Stddev	.39	.00029	.00084	.00055	.48	.00082	.00482	.0356	.00094
%RSD	.06567	239.88	3.8665	88.013	.42056	36.944	32.161	.78866	129.32
#1	597.69	-.00008	.02233	.00102	115.13	-.00164	.01158	4.4886	-.00140
#2	597.13	.00032	.02115	.00024	114.45	-.00279	.01839	4.5390	-.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60146**	**.00297**	**.00097**	**.00027**	**.11147**	**.00179**	**.00863**	**-.00137**
Stddev	.00279	.00109	.00021	.00029	.00960	.00019	.00005	.00093
%RSD	.46425	36.640	21.897	105.46	8.6102	10.689	.53484	68.289
#1	.59948	.00220	.00112	.00047	.11826	.00192	.00866	-.00071
#2	.60343	.00374	.00082	.00007	.10469	.00165	.00859	-.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4844.4**	**80506.**	**6557.5**
Stddev	3.0	142.	23.5
%RSD	.06182	.17606	.35828
#1	4842.3	80606.	6574.1
#2	4846.5	80406.	6540.9

Sample Name: 280-61905-D-7-B Acquired: 11/18/2014 9:47:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00520**	**-.00238**	**1.1631**	**.02410**	**.00005**	**-.00355**	**18.427**	**.00023**
Stddev	.00023	.00072	.00022	.0019	.00018	.00004	.00086	.075	.00001
%RSD	36.029	13.845	9.0791	.16583	.75916	74.949	24.132	.40510	3.9916
#1	.00048	.00469	-.00222	1.1644	.02423	.00002	-.00294	18.374	.00024
#2	.00081	.00571	-.00253	1.1617	.02397	.00007	-.00415	18.480	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00101**	**.00165**	**.02100**	**1.0005**	**.11361**	**3.5217**	**.00045**	**.00606**
Stddev	.00017	.00000	.00021	.00049	.0634	.00016	.0019	.00004	.00026
%RSD	227.32	.35209	12.456	2.3496	6.3338	.14345	.05537	9.5502	4.3225
#1	.00019	.00101	.00150	.02066	.95567	.11373	3.5231	.00042	.00624
#2	-.00004	.00101	.00179	.02135	1.0453	.11350	3.5204	.00048	.00587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **582.72**	**.00014**	**.02297**	**.00154**	**113.16**	**-.00012**	**.00888**	**4.4281**	**.00080**
Stddev	.61	.00020	.00227	.00061	.38	.00051	.00115	.0199	.00063
%RSD	.10421	146.70	9.9021	39.824	.33944	419.45	12.891	.45042	78.507
#1	582.30	.00028	.02457	.00197	113.43	.00024	.00969	4.4422	.00124
#2	583.15	-.00001	.02136	.00111	112.89	-.00049	.00807	4.4140	.00035
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59060**	**.00371**	**.00086**	**-.00035**	**.08577**	**.00180**	**.00782**	**-.00196**
Stddev	.00041	.00174	.00016	.00037	.03129	.00037	.00055	.00087
%RSD	.06875	46.971	18.622	105.22	36.479	20.649	7.0655	44.382
#1	.59031	.00494	.00075	-.00009	.06365	.00207	.00743	-.00257
#2	.59089	.00248	.00097	-.00062	.10790	.00154	.00821	-.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4841.1**	**80517.**	**6552.8**
Stddev	2.5	168.	10.1
%RSD	.05193	.20813	.15458
#1	4839.3	80635.	6559.9
#2	4842.9	80398.	6545.6

Sample Name: 280-61905-F-8-B Acquired: 11/18/2014 9:50:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.06803**	**-.00206**	**3.2166**	**.00905**	**-.00003**	**-.00618**	**307.10**	**.00057**
Stddev	.00082	.00014	.00106	.0036	.00007	.00003	.00304	2.37	.00010
%RSD	398.05	.21014	51.469	.11216	.75457	98.384	49.173	.77161	18.400
#1	-.00078	.06793	-.00131	3.2192	.00900	-.00005	-.00832	305.43	.00064
#2	.00037	.06813	-.00281	3.2141	.00909	-.00001	-.00403	308.78	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.00032**	**.00291**	**1.4653**	**5.0223**	**.37626**	**76.246**	**.27511**	**.00384**
Stddev	.00032	.00012	.00039	.0110	.3340	.00319	.031	.00024	.00030
%RSD	31.481	37.150	13.494	.75374	6.6495	.84751	.04123	.08646	7.6945
#1	.00123	.00023	.00319	1.4575	4.7861	.37401	76.224	.27494	.00363
#2	.00078	.00040	.00263	1.4731	5.2584	.37852	76.269	.27527	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4199.1**	**.00168**	**.03214**	**-.00177**	**1951.6**	**-.00086**	**.01180**	**3.9199**	**-.00127**
Stddev	11.4	.00002	.00436	.00012	2.2	.00068	.00061	.0175	.00199
%RSD	.27221	1.2243	13.566	7.0294	.11178	78.755	5.1685	.44514	157.18
#1	4191.1	.00166	.02906	-.00186	1953.1	-.00134	.01137	3.9076	-.00268
#2	4207.2	.00169	.03522	-.00168	1950.0	-.00038	.01223	3.9323	.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.293**	**.00175**	**.00198**	**.00008**	**.22713**	**.00180**	**.00792**	**-.00130**
Stddev	.199	.00046	.00011	.00183	.00330	.00010	.00120	.00168
%RSD	1.2991	26.509	5.4577	2159.2	1.4532	5.4106	15.156	129.76
#1	15.152	.00142	.00190	.00138	.22479	.00173	.00707	-.00248
#2	15.433	.00207	.00205	-.00121	.22946	.00187	.00877	-.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000							
Low Limit	-.01000							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.0**	**70249.**	**6311.8**
Stddev	3.4	4.	54.0
%RSD	.07896	.00503	.85565
#1	4279.6	70252.	6349.9
#2	4284.4	70247.	6273.6

Sample Name: 280-61905-A-9-B Acquired: 11/18/2014 9:54:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.02179**	**.00045**	**.69515**	**.05854**	**.00006**	**-.00320**	**85.796**	**.00025**
Stddev	.00035	.00012	.00551	.00273	.00016	.00008	.00228	.240	.00023
%RSD	85.843	.53853	1233.7	.39241	.27355	137.11	71.267	.27965	93.736
#1	.00065	.02171	.00434	.69708	.05865	.00011	-.00482	85.965	.00042
#2	.00016	.02187	-.00345	.69322	.05842	.00000	-.00159	85.626	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00105**	**.00101**	**.39139**	**2.0157**	**.05023**	**26.451**	**.36292**	**.00160**
Stddev	.00020	.00019	.00010	.00278	.0377	.00040	.031	.00010	.00030
%RSD	128.72	18.288	9.7284	.71080	1.8704	.79031	.11638	.02709	18.915
#1	.00030	.00118	.00094	.39335	2.0423	.04995	26.473	.36299	.00139
#2	.00001	.00091	.00108	.38942	1.9890	.05051	26.430	.36285	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**337.82**	**.00067**	**.47146**	**.00039**	**157.48**	**-.00019**	**-.00231**	**5.3216**	**-.00030**
Stddev	.88	.00015	.00339	.00064	.63	.00061	.00000	.0459	.00039
%RSD	.26117	22.023	.71924	163.19	.40074	314.03	.10926	.86194	132.03
#1	338.44	.00056	.47385	-.00006	157.93	-.00062	-.00231	5.3540	-.00057
#2	337.20	.00077	.46906	.00085	157.04	.00024	-.00231	5.2891	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4364**	**.00315**	**.00143**	**.00199**	**.01400**	**.00177**	**.04199**	**-.00264**
Stddev	.0077	.00084	.00014	.00037	.03051	.00001	.00007	.00115
%RSD	.31767	26.493	9.8016	18.686	217.90	.69438	.16534	43.540
#1	2.4418	.00375	.00133	.00173	.03557	.00178	.04204	-.00183
#2	2.4309	.00256	.00153	.00225	-.00757	.00176	.04194	-.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4920.6**	**81555.**	**6578.9**
Stddev	5.7	33.	50.0
%RSD	.11677	.03985	.75955
#1	4916.5	81578.	6543.5
#2	4924.6	81532.	6614.2

Sample Name: 280-61905-F-10-B Acquired: 11/18/2014 9:56:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00654**	**.00202**	**1.6546**	**.01562**	**.00004**	**-.00352**	**35.031**	**.00005**
Stddev	.00002	.00135	.00084	.0024	.00084	.00006	.00269	1.609	.00026
%RSD	5.9746	20.577	41.333	.14206	5.3723	143.58	76.473	4.5930	476.20
#1	.00041	-.00749	.00143	1.6563	.01622	.00008	-.00161	36.168	-.00013
#2	.00038	-.00559	.00261	1.6530	.01503	-.00000	-.00542	33.893	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00063**	**.00455**	**.01040**	**1.2678**	**.10221**	**7.6136**	**.02808**	**.00558**
Stddev	.00011	.00019	.00029	.00065	.0279	.00423	.0101	.00001	.00025
%RSD	32.050	29.694	6.4455	6.2229	2.1967	4.1416	.13220	.02042	4.4765
#1	.00026	.00077	.00476	.01085	1.2875	.10521	7.6064	.02809	.00575
#2	.00041	.00050	.00435	.00994	1.2481	.09922	7.6207	.02808	.00540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **994.32**	**.00026**	**.04668**	**-.00063**	**308.33**	**-.00142**	**-.00451**	**4.9006**	**-.00104**
Stddev	44.30	.00017	.00093	.00059	.53	.00087	.00169	.2204	.00046
%RSD	4.4552	65.004	1.9927	94.358	.17062	61.727	37.404	4.4979	44.780
#1	1025.6	.00039	.04602	-.00021	308.70	-.00203	-.00332	5.0565	-.00071
#2	963.00	.00014	.04734	-.00105	307.96	-.00080	-.00571	4.7448	-.00136
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0341**	**.00280**	**.00067**	**.00043**	**.10878**	**.00296**	**.00504**	**-.00101**
Stddev	.0458	.00159	.00007	.00032	.02602	.00067	.00047	.00005
%RSD	4.4256	56.717	10.090	74.629	23.917	22.737	9.3698	4.6452
#1	1.0664	.00168	.00072	.00020	.12718	.00248	.00471	-.00104
#2	1.0017	.00392	.00063	.00066	.09039	.00343	.00538	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4757.2**	**78420.**	**6443.6**
Stddev	2.4	47.	239.4
%RSD	.05147	.06025	3.7151
#1	4755.5	78453.	6274.3
#2	4758.9	78386.	6612.9

Sample Name: 280-61905-F-10-Bsd@5 Acquired: 11/18/2014 9:59:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00351**	**-.00052**	**.34814**	**.00305**	**-.00008**	**-.00030**	**6.7283**	**.00018**
Stddev	.00088	.00006	.00187	.00147	.00010	.00007	.00227	.0058	.00005
%RSD	111.41	1.6478	362.80	.42188	3.1661	83.351	756.77	.08648	27.189
#1	.00140	-.00347	.00081	.34918	.00312	-.00013	-.00190	6.7324	.00022
#2	.00017	-.00355	-.00184	.34710	.00298	-.00003	.00130	6.7242	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00024**	**.00152**	**.02034**	**.65869**	**.01940**	**1.5833**	**.00564**	**.00104**
Stddev	.00001	.00011	.00015	.00021	.03252	.00014	.0006	.00004	.00038
%RSD	5.1534	47.220	10.211	1.0448	4.9375	.69889	.03920	.68118	36.700
#1	.00024	.00032	.00141	.02019	.68169	.01931	1.5829	.00567	.00131
#2	.00025	.00016	.00163	.02049	.63570	.01950	1.5838	.00561	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**192.25**	**-.00019**	**.00903**	**-.00027**	**60.173**	**-.00067**	**-.00367**	**.90339**	**-.00029**
Stddev	.29	.00029	.00152	.00188	.062	.00125	.00021	.01156	.00061
%RSD	.14850	149.70	16.823	693.94	.10360	186.79	5.8139	1.2797	213.32
#1	192.45	-.00040	.01010	.00106	60.217	.00022	-.00352	.89522	-.00072
#2	192.05	.00001	.00795	-.00160	60.129	-.00156	-.00382	.91157	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20018**	**.00073**	**.00076**	**.00168**	**.03914**	**.00021**	**.00167**	**.00020**
Stddev	.00025	.00004	.00088	.00245	.01368	.00001	.00005	.00006
%RSD	.12564	5.6341	115.70	146.12	34.940	5.3913	2.8205	31.929
#1	.20035	.00071	.00014	.00341	.02947	.00020	.00163	.00024
#2	.20000	.00076	.00139	-.00006	.04881	.00022	.00170	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5059.0**	**84547.**	**6670.3**
Stddev	10.6	173.	12.0
%RSD	.20892	.20478	.17924
#1	5051.6	84425.	6678.8
#2	5066.5	84670.	6661.9

Sample Name: 280-61905-F-10-Bpds Acquired: 11/18/2014 10:02:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 250664 6010c

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00652**	**1.0508**	**.23532**	**1.7134**	**.12956**	**.05372**	**-.00292**	**54.309**	**.05787**
Stddev	.00016	.0028	.00346	.0013	.00078	.00003	.00245	.145	.00001
%RSD	2.4681	.26759	1.4717	.07465	.59866	.06103	83.815	.26617	.02496
#1	.00641	1.0528	.23777	1.7144	.12901	.05374	-.00119	54.207	.05788
#2	.00664	1.0488	.23287	1.7125	.13011	.05369	-.00465	54.412	.05786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05483**	**.05520**	**.06288**	**1.0036**	**24.499**	**.21298**	**28.072**	**.08304**	**.05602**
Stddev	.00014	.00005	.00014	.0103	.175	.00110	.000	.00016	.00021
%RSD	.26342	.08735	.21732	1.0254	.71437	.51709	.00165	.19149	.38159
#1	.05473	.05523	.06298	.99636	24.375	.21220	28.072	.08292	.05617
#2	.05494	.05516	.06278	1.0109	24.622	.21376	28.071	.08315	.05587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	818.326 { 41}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **961.81**	**.05530**	**2.4834**	**.10729**	**301.57**	**.10215**	**.23579**	**9.2928**	**.09743**
Stddev	2.36	.00035	.0068	.00226	.60	.00158	.00720	.0267	.00132
%RSD	.24574	.64049	.27412	2.1060	.19746	1.5480	3.0530	.28778	1.3594
#1	960.14	.05504	2.4882	.10889	301.99	.10327	.24088	9.2739	.09650
#2	963.48	.05555	2.4786	.10569	301.15	.10103	.23070	9.3117	.09837
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	500.00								
Low Limit	10.000								

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0396**	**.22775**	**.05139**	**.19765**	**.69503**	**.06025**	**.23283**	**.04539**
Stddev	.0026	.00066	.00046	.00192	.07757	.00023	.00145	.00040
%RSD	.24662	.29059	.88569	.97247	11.161	.38018	.62075	.88408
#1	1.0378	.22728	.05107	.19900	.74988	.06041	.23181	.04511
#2	1.0414	.22822	.05171	.19629	.64018	.06009	.23386	.04568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4791.1**	**78822.**	**6646.9**
Stddev	4.3	20.	10.2
%RSD	.08984	.02476	.15374
#1	4788.0	78836.	6654.1
#2	4794.1	78808.	6639.7

Sample Name: ccvh-2982968 Acquired: 11/18/2014 10:05:34 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00792**	**48.359**	**-.00306**	**.01201**	**.00052**	**.00000**	**1.0888**	**-.03303**	**-.00043**	**.00169**	**.00043**	**-.00133**	**45.279**
Stddev	.00017	.071	.00765	.00039	.00027	.00003	.0005	.00116	.00012	.00019	.00053	.00004	.003
%RSD	2.1922	.14659	249.73	3.2310	51.947	1325.6	.04558	3.5191	27.559	11.485	124.10	3.2057	.00688
#1	.00779	48.409	.00235	.01228	.00033	-.00002	1.0885	-.03221	-.00051	.00155	.00080	-.00136	45.281
#2	.00804	48.309	-.00847	.01173	.00071	.00002	1.0892	-.03385	-.00034	.00182	.00005	-.00130	45.277
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55299**	**.00127**	**.14137**	**-.00321**	**-.00172**	**261.37**	**.00068**	**.00204**	**.00295**	**5.3720**	**-.00042**	**.00334**	**-.01240**
Stddev	.02358	.00126	.00187	.00001	.00051	.21	.00010	.00047	.00003	.0049	.00097	.00448	.00326
%RSD	4.2644	99.784	1.3258	.31382	29.289	.07871	15.482	22.895	.88982	.09132	234.48	134.30	26.305
#1	.53632	.00216	.14004	-.00321	-.00208	261.52	.00075	.00237	.00293	5.3755	-.00110	.00017	-.01470
#2	.56967	.00037	.14269	-.00320	-.00137	261.22	.00060	.00171	.00297	5.3685	.00027	.00651	-.01009
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00051**	**4.9663**	**-.02484**	**.00120**	**10.310**	**.00382**	**-.00077**	**-.03827**
Stddev	.00132	.00013	.0045	.00008	.00013	.040	.00037	.00010	.00089
%RSD	55.266	25.592	.09122	.34200	11.211	.38940	9.7152	12.861	2.3207
#1	.00146	.00060	4.9695	-.02490	.00111	10.282	.00356	-.00085	-.03890
#2	.00332	.00041	4.9631	-.02478	.00130	10.338	.00408	-.00070	-.03764
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5036.9**	**84500.**	**6747.9**
Stddev	.2	103.	4.6
%RSD	.00337	.12180	.06835
#1	5037.0	84427.	6744.7
#2	5036.8	84573.	6751.2

Sample Name: ccv-2984587 Acquired: 11/18/2014 10:08:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54526**	**.54236**	**1.0659**	F **.55367**	**.54159**	**.50714**	**.00760**	**5.0978**	**.54458**	**.53465**	**.52884**	**.54916**
Stddev	.00097	.00143	.0013	.00004	.00019	.00048	.00232	.0076	.00107	.00078	.00063	.00027
%RSD	.17752	.26287	.12318	.00651	.03436	.09487	30.503	.14836	.19669	.14587	.11823	.04898
#1	.54458	.54337	1.0668	.55364	.54172	.50748	.00924	5.1031	.54382	.53410	.52840	.54897
#2	.54594	.54135	1.0649	.55369	.54146	.50680	.00596	5.0924	.54533	.53520	.52928	.54935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.000%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3494**	**53.950**	**1.0833**	**20.817**	**.52409**	**.53545**	F **6.5538**	**.53158**	**1.0617**	**1.0767**	**.09747**	F **1.1149**
Stddev	.0044	.010	.0009	.010	.00026	.00172	.0246	.00071	.0015	.0038	.00736	.0033
%RSD	.18727	.01838	.08655	.04752	.05050	.32098	.37616	.13285	.14204	.35388	7.5520	.29454
#1	2.3525	53.943	1.0826	20.810	.52428	.53424	6.5712	.53108	1.0627	1.0740	.10267	1.1126
#2	2.3463	53.957	1.0839	20.824	.52391	.53667	6.5363	.53208	1.0606	1.0794	.09226	1.1172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
Value							5.0000					1.0000
Range							10.000%					10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1045**	**4.8878**	**1.0725**	**.53239**	**.02672**	**.52757**	F **1.1007**	**-.00852**	**.52168**	**.50264**	**.51455**
Stddev	.0040	.0003	.0020	.00009	.00175	.00126	.0024	.03014	.00240	.00080	.00021
%RSD	.36176	.00651	.18440	.01742	6.5602	.23928	.21746	353.82	.45975	.15907	.03989
#1	1.1073	4.8876	1.0711	.53232	.02548	.52668	1.0990	.01279	.51998	.50320	.51469
#2	1.1017	4.8880	1.0739	.53245	.02796	.52847	1.1024	-.02983	.52337	.50207	.51440
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000						1.0000				
Range	10.000%						10.000%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5156.4**	**86048.**	**6715.0**
Stddev	4.3	6.	22.8
%RSD	.08244	.00684	.34019
#1	5159.4	86044.	6698.8
#2	5153.4	86052.	6731.1

Sample Name: CCB Acquired: 11/18/2014 10:10:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.00470**	**-.00237**	F **.00764**	**.00004**	**.00016**	**-.00272**	**-.00443**	**.00040**	**-.00012**	**-.00016**	**.00025**
Stddev	.00005	.00055	.00375	.00008	.00010	.00006	.00096	.00013	.00005	.00018	.00016	.00014
%RSD	6.1086	11.680	158.17	1.0506	228.71	40.646	35.301	3.0284	12.868	148.10	97.909	56.287
#1	.00093	-.00431	-.00502	.00758	.00011	.00021	-.00204	-.00453	.00036	.00001	-.00005	.00035
#2	.00085	-.00509	.00028	.00769	-.00003	.00011	-.00340	-.00434	.00044	-.00025	-.00027	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	F **.56304**	W **.00300**	**.00709**	**.00008**	**.00085**	F **1.2006**	**-.00045**	**-.00024**	**-.00011**	**.07962**	**.00106**
Stddev	.00210	.05406	.00037	.00362	.00003	.00002	.0214	.00009	.00129	.00060	.00157	.00006
%RSD	54.873	9.6020	12.199	51.049	32.226	1.9978	1.7859	20.257	525.38	535.26	1.9741	5.2089
#1	.00531	.60126	.00326	.00453	.00006	.00086	1.2158	-.00039	-.00115	-.00054	.07851	.00102
#2	.00234	.52481	.00274	.00965	.00010	.00084	1.1854	-.00051	.00066	.00031	.08073	.00110
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.25000	.00261				.20152					
Low Limit		-.25000	-.00261				-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.01794**	**.00018**	**-.00006**	**.00342**	W **.00065**	**-.00134**	**.00882**	**-.00052**	**-.00090**	**.00035**
Stddev	.00279	.00398	.00069	.00002	.00031	.00008	.00006	.01177	.00035	.00018	.00012
%RSD	1300.0	22.205	382.76	33.396	8.9193	12.519	4.7560	133.45	67.210	20.439	34.863
#1	.00176	-.02076	-.00031	-.00005	.00321	.00059	-.00129	.01714	-.00076	-.00077	.00026
#2	-.00218	-.01513	.00067	-.00007	.00364	.00070	-.00139	.00050	-.00027	-.00103	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5225.6**	**87982.**	**6684.1**
Stddev	3.3	202.	30.3
%RSD	.06303	.22997	.45282
#1	5223.2	88125.	6705.5
#2	5227.9	87839.	6662.7

Sample Name: CCVL2994499 Acquired: 11/18/2014 10:13:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01165**	**.11510**	**.01404**	**.11253**	**.01093**	**.00104**	W **.12083**	**.20781**	**.00578**	**.01097**	**.01064**	**.01731**
Stddev	.00049	.00037	.00055	.00041	.00003	.00006	.00054	.00086	.00003	.00013	.00005	.00004
%RSD	4.1748	.32374	3.9102	.36034	.30669	5.8644	.44798	.41414	.52105	1.2086	.45293	.21607
#1	.01131	.11536	.01443	.11282	.01095	.00108	.12045	.20720	.00576	.01106	.01067	.01728
#2	.01200	.11483	.01365	.11225	.01091	.00099	.12121	.20842	.00580	.01087	.01060	.01733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000					
Range							20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09597**	W **3.8611**	F **.01374**	**.22175**	**.01070**	**.02113**	F **2.2052**	**.04291**	**3.0538**	W **.01086**	**.06663**	**.01089**
Stddev	.00215	.0250	.00137	.00019	.00007	.00045	.0002	.00004	.0022	.00129	.00786	.00193
%RSD	2.2436	.64883	9.9660	.08761	.61488	2.1514	.00896	.09983	.07115	11.892	11.803	17.717
#1	.09749	3.8788	.01277	.22161	.01075	.02145	2.2051	.04288	3.0523	.00994	.07219	.00952
#2	.09445	3.8434	.01471	.22188	.01065	.02081	2.2054	.04294	3.0554	.01177	.06107	.01225
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass
Value		3.0000	.01000				1.0000			.00900		
Range		20.000%	30.000%				30.000%			20.000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01546**	**.46221**	**.10704**	**.01060**	W **.01930**	**.01104**	**.01746**	F **.09496**	**.01015**	**.01981**	**.01452**
Stddev	.00079	.00771	.00110	.00006	.00151	.00017	.00008	.00592	.00011	.00029	.00132
%RSD	5.1087	1.6675	1.0254	.53886	7.8305	1.5039	.46601	6.2320	1.0773	1.4875	9.0923
#1	.01602	.45676	.10627	.01056	.02037	.01116	.01751	.09078	.01023	.02001	.01545
#2	.01490	.46766	.10782	.01064	.01823	.01092	.01740	.09915	.01007	.01960	.01359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.01500			.06000			
Range					20.000%			30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5243.0**	**88302.**	**6676.9**
Stddev	1.3	65.	19.2
%RSD	.02395	.07337	.28726
#1	5242.1	88256.	6663.4
#2	5243.9	88348.	6690.5

Sample Name: 280-62261-B-2-B Acquired: 11/18/2014 10:16:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment: 252387 6010c

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**49.020**	**.00413**	**.01419**	**.00208**	**.00444**	**.02586**	**74.337**	**.02926**
Stddev	.00032	.040	.00269	.00045	.00013	.00012	.00177	.053	.00017
%RSD	16.831	.08169	65.084	3.1805	6.2644	2.6630	6.8612	.07115	.57792
#1	.00212	48.992	.00223	.01451	.00218	.00435	.02461	74.300	.02914
#2	.00167	49.048	.00603	.01387	.00199	.00452	.02712	74.374	.02938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Line	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97683**	**.00450**	W **15.427**	**392.72**	**.90364**	**.05481**	**73.747**	**7.0687**	**-.00410**
Stddev	.00108	.00011	.086	.02	.05372	.00012	.212	.0413	.00047
%RSD	.11088	2.5470	.55423	.00421	5.9449	.21553	.28751	.58436	11.509
#1	.97607	.00442	15.366	392.73	.86566	.05490	73.597	7.0395	-.00444
#2	.97760	.00458	15.487	392.71	.94163	.05473	73.896	7.0979	-.00377
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000						
Low Limit			-.01000						

Elem	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7121**	**.25997**	**-.00483**	**.00065**	**522.27**	**-.00062**	**.00730**	**6.7986**	**.00110**
Stddev	.0252	.00071	.00463	.00234	.22	.00138	.00099	.0156	.00065
%RSD	.53445	.27366	95.812	360.11	.04127	224.04	13.595	.22873	59.191
#1	4.7299	.25947	-.00156	.00230	522.42	-.00159	.00800	6.7876	.00064
#2	4.6943	.26048	-.00811	-.00100	522.12	.00036	.00660	6.8096	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14155**	W **-.01723**	**.00133**	**.01099**	**.25610**	**.01169**	**4.5701**	**.00157**
Stddev	.00016	.00056	.00046	.00138	.00395	.00037	.0052	.00087
%RSD	.11370	3.2413	34.803	12.546	1.5416	3.2070	.11330	55.310
#1	.14144	-.01762	.00100	.01001	.25889	.01142	4.5664	.00095
#2	.14167	-.01683	.00165	.01196	.25331	.01195	4.5737	.00218
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000						
Low Limit		-.01000						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5589.3**	**94234.**	**7522.6**
Stddev	7.4	9.	32.7
%RSD	.13265	.01005	.43450
#1	5594.5	94227.	7499.5
#2	5584.0	94241.	7545.7

Sample Name: ccvh-2982968 Acquired: 11/18/2014 10:18:52 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00198**	k **-.01246**	k **.00055**	**.00089**	k **-.00046**	k **.00003**	kF **.00394**	k **-.00410**	k **.00004**	k **-.00008**	k **.00028**	s **-.00218**
Stddev	.00218	.00111	.00096	.00026	.00011	.00006	.00072	.00493	.00003	.00002	.00008	.00167
%RSD	110.38	8.8755	176.00	29.821	23.201	197.88	18.237	120.15	79.454	25.009	28.964	76.467
#1	.00043	-.01324	.00123	.00070	-.00038	.00008	.00444	-.00758	.00006	-.00007	.00033	-.00100
#2	s .00352	k -.01168	k -.00013	.00107	k -.00054	k -.00001	k .00343	k -.00062	k .00002	k -.00010	k .00022	s -.00336
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							-10.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **.03413**	**.41579**	k **.00288**	s **.01007**	s **.00079**	**-.00013**	**.42930**	k **.00045**	**-.00134**	k **-.00003**	kF **.10198**	k **.00064**
Stddev	.02343	.04590	.00023	.00495	.00040	.00003	.01023	.00001	.00041	.00100	.00202	.00034
%RSD	68.632	11.039	8.0809	49.169	50.122	23.620	2.3832	1.7995	30.633	3080.5	1.9804	52.874
#1	.01757	.38333	.00271	.01357	.00107	-.00016	.42206	.00044	-.00105	.00067	.10056	.00088
#2	k .05070	.44824	k .00304	s .00657	s .00051	-.00011	.43653	k .00045	-.00163	k -.00074	k .10341	k .00040
Check ?	Chk Fail	None	None	None	None	None	None	None	None	None	Chk Fail	None
Value	50.000										5.0000	
Range	-10.000%										-10.000%	

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00283**	k **.00222**	k **-.00020**	**-.00006**	sF **.00558**	s **.00093**	k **.00359**	sF **.01065**	s **-.00054**	s **-.00007**	k **.00014**
Stddev	.00127	.00910	.00034	.00001	.00046	.00017	.00060	.00429	.00018	.00033	.00090
%RSD	44.916	409.82	165.94	19.163	8.2491	18.488	16.687	40.260	32.948	449.13	638.43
#1	-.00193	-.00422	.00004	-.00005	.00525	.00080	.00317	.01368	-.00041	.00016	-.00050
#2	k -.00373	k .00866	k -.00044	-.00006	s .00590	s .00105	k .00402	s .00762	s -.00066	s -.00031	k .00078
Check ?	None	None	None	None	Chk Fail	None	None	Chk Fail	None	None	None
Value					5.0000			10.000			
Range					-10.000%			-10.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9855.6**	^ *****	**10299.**
Stddev	439.7	-----	159.
%RSD	4.4613	-----	1.5403
#1	10167.	152730.	10411.
#2	9544.7	^ -----	10186.

Sample Name: ccv-2984587 Acquired: 11/18/2014 10:21:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50878**	**.50172**	**.99346**	**.51358**	**.50770**	**.47479**	**.00671**	**4.7782**	**.50804**	**.49703**	**.49093**	**.51249**
Stddev	.00322	.00171	.00150	.00139	.00026	.00047	.00020	.0094	.00147	.00225	.00072	.00353
%RSD	.63321	.34147	.15087	.27021	.05028	.09920	2.9894	.19721	.28849	.45268	.14615	.68957
#1	.51106	.50051	.99240	.51259	.50752	.47512	.00657	4.7849	.50701	.49544	.49042	.51499
#2	.50650	.50293	.99452	.51456	.50788	.47446	.00685	4.7715	.50908	.49862	.49144	.50999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2618**	**51.073**	**1.0193**	**19.432**	**.48809**	**.49699**	F **5.7607**	**.49513**	**.98908**	**1.0106**	**.11463**	**1.0392**
Stddev	.0014	.025	.0035	.112	.00406	.00149	.0046	.00027	.00014	.0019	.00359	.0047
%RSD	.05968	.04979	.34275	.57761	.83171	.30022	.08078	.05438	.01436	.18845	3.1344	.45141
#1	2.2609	51.091	1.0218	19.512	.49096	.49593	5.7574	.49494	.98898	1.0092	.11717	1.0359
#2	2.2628	51.055	1.0169	19.353	.48522	.49804	5.7640	.49532	.98918	1.0119	.11209	1.0425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0454**	**4.5416**	**.99887**	**.49554**	**.02460**	**.49078**	**1.0289**	**.04797**	**.48593**	**.46852**	**.48103**
Stddev	.0072	.0122	.00057	.00010	.00136	.00379	.0037	.01055	.00312	.00562	.00143
%RSD	.68384	.26857	.05679	.01962	5.5429	.77291	.35745	21.990	.64121	1.1996	.29720
#1	1.0403	4.5330	.99847	.49547	.02556	.49347	1.0263	.05543	.48813	.47249	.48002
#2	1.0504	4.5503	.99927	.49561	.02363	.48810	1.0315	.04051	.48373	.46454	.48204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5200.9**	**87171.**	**6625.9**
Stddev	18.2	488.	5.8
%RSD	.34983	.56002	.08727
#1	5213.8	86826.	6630.0
#2	5188.0	87516.	6621.8

Sample Name: CCB Acquired: 11/18/2014 10:24:01 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00518**	**.00023**	F **.00460**	**.00028**	**.00007**	**-.00154**	**-.00253**	**.00031**	**.00003**	**-.00002**	**.00108**
Stddev	.00073	.00029	.00053	.00034	.00006	.00001	.00160	.00159	.00001	.00002	.00032	.00002
%RSD	216.27	5.6594	233.10	7.2922	21.100	8.5539	103.94	62.801	2.5149	95.859	1541.8	1.8244
#1	.00085	-.00538	.00060	.00484	.00024	.00007	-.00041	-.00140	.00030	.00004	-.00024	.00110
#2	-.00018	-.00497	-.00015	.00436	.00032	.00008	-.00266	-.00365	.00031	.00001	.00020	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.02850**	F **.46400**	W **.00396**	**.01008**	W **.00051**	**.00092**	F **.74095**	**-.00045**	**.00129**	**.00042**	**.07810**	**.00190**
Stddev	.00159	.02750	.00185	.00167	.00003	.00009	.00194	.00015	.00155	.00031	.00241	.00093
%RSD	5.5749	5.9265	46.770	16.597	6.3099	10.069	.26164	34.234	120.12	74.740	3.0917	49.083
#1	.02738	.44456	.00527	.00890	.00048	.00099	.73958	-.00056	.00239	.00064	.07980	.00256
#2	.02963	.48345	.00265	.01126	.00053	.00086	.74232	-.00034	.00019	.00020	.07639	.00124
Check ?	Chk Warn	Chk Fail	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit	.02200	.25000	.00261		.00025		.20152					
Low Limit	-.02200	-.25000	-.00261		-.00025		-.20152					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00279**	**.00017**	**.00011**	**.00211**	W **.00088**	**.00026**	**-.00924**	**-.00012**	**-.00032**	**-.00104**
Stddev	.00228	.00423	.00051	.00011	.00110	.00031	.00036	.00192	.00008	.00003	.00059
%RSD	1302.1	151.57	293.18	95.309	52.016	34.662	136.52	20.795	68.673	9.0903	56.339
#1	-.00179	-.00578	-.00019	.00004	.00133	.00110	.00051	-.00788	-.00017	-.00030	-.00063
#2	.00144	.00020	.00053	.00019	.00289	.00066	.00001	-.01060	-.00006	-.00034	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00060					
Low Limit						-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5268.9**	**88587.**	**6673.1**
Stddev	20.5	328.	6.4
%RSD	.38863	.36995	.09538
#1	5254.4	88819.	6677.6
#2	5283.4	88355.	6668.6

Sample Name: CCVL2994499 Acquired: 11/18/2014 10:26:43 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: broanderl Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01163**	**.10132**	**.01353**	**.10479**	**.01075**	**.00097**	**.11535**	**.20959**	**.00530**	**.01049**	**.01005**	**.01663**
Stddev	.00051	.00018	.00304	.00004	.00010	.00001	.00148	.00182	.00012	.00019	.00011	.00031
%RSD	4.4176	.18034	22.442	.04072	.91008	.71091	1.2823	.86613	2.2942	1.7682	1.0786	1.8800
#1	.01127	.10145	.01568	.10482	.01082	.00097	.11430	.21088	.00539	.01062	.01012	.01685
#2	.01199	.10119	.01139	.10476	.01068	.00098	.11640	.20831	.00522	.01036	.00997	.01641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09991**	**3.5819**	F **.01459**	**.21401**	**.01044**	**.02033**	F **1.7534**	**.04092**	**2.9185**	**.01012**	**.06050**	**.00921**
Stddev	.00113	.0814	.00089	.00509	.00008	.00029	.0021	.00023	.0058	.00053	.00306	.00137
%RSD	1.1340	2.2713	6.0982	2.3761	.79875	1.4123	.11934	.55938	.20001	5.2719	5.0591	14.920
#1	.09910	3.6395	.01522	.21041	.01038	.02012	1.7520	.04108	2.9144	.00974	.05833	.00824
#2	.10071	3.5244	.01396	.21760	.01050	.02053	1.7549	.04076	2.9226	.01050	.06266	.01019
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000				1.0000					
Range			30.000%				30.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01641**	**.45596**	**.10300**	**.01029**	**.01693**	**.01005**	**.01560**	F **.07880**	**.00956**	**.02076**	**.01315**
Stddev	.00137	.01398	.00099	.00021	.00090	.00030	.00016	.00094	.00020	.00028	.00176
%RSD	8.3356	3.0657	.96375	2.0227	5.3134	2.9711	1.0369	1.1958	2.1247	1.3275	13.398
#1	.01737	.44607	.10230	.01043	.01630	.01026	.01572	.07947	.00942	.02095	.01191
#2	.01544	.46584	.10370	.01014	.01757	.00984	.01549	.07814	.00971	.02056	.01440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5269.3**	**88773.**	**6696.8**
Stddev	8.8	35.	21.5
%RSD	.16668	.03898	.32073
#1	5275.5	88797.	6681.6
#2	5263.1	88748.	6712.0

Method(s):
245.1 245.1_DW
7470A 7471A 7471B

Applicable QC Batches: 252459

Mercury Analysis Raw Data Checklist

Analyst's Checklist

		yes	no	n/a
1.	Were the special instructions for prep and/or analysis followed?	☒	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☒	☐	☐
3.	Is the blank less than one-half the reporting limit or properly anomalized?	☒	☐	☐
4.	Are the LCSs within limits or properly anomalized?	☒	☐	☐
5.	Are the ICV and all CCVs within limits?	☒	☐	☐
6.	Are the ICB and all CCBs within ± one-half the reporting limit from zero?	☒	☐	☐
7.	Were the CCVs and CCBs run with at most 10 samples between each set?	☒	☐	☐
8.	Are the reporting limits correct and reflect any dilutions?	☒	☐	☐
9.	Are the benchsheets complete (including calibration and standard verification #'s)?	☒	☐	☐
10.	Are all comments, footnotes, and anomalies properly documented?	☒	☐	☐
11.	Are holding time violation forms completed and attached?	☐	☐	☒
12.	Have all sample data been entered into LIMS?	☒	☐	☐
13.	Have all QC data been entered into LIMS?	☒	☐	☐
14.	Have the data entered into LIMS been checked for errors?	☒	☐	☐
15.	For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☒	☒ CS 11/11/14
16.	Are all passing CRAs set to acceptable?	☒	☐	☐
17.	Is the PDF attached?	☒	☐	☐

Analyst's Name: Christopher Tisdale Date: 11/11/2014

Data Review's Checklist

		yes	no	n/a
1.	Have the calculations been checked?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4.	Are all the significant figures and reporting limits correct?	☑	☐	☐
5.	Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6.	Have any data errors been documented and entered into LIMS?	☑	☐	☐
7.	Is prep date correct in LIMS?	☑	☐	☐
8.	If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☑	☐	☐

Reviewed by: _____ Date: 11/11/14

Comments: _____

Anomalies: _____

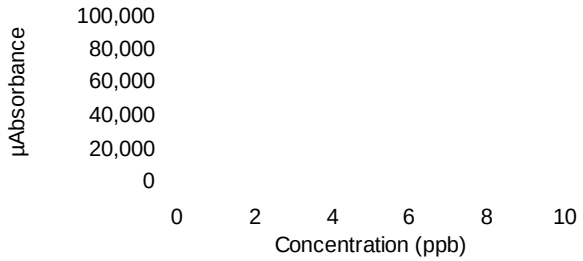
Report Generated By CETAC QuickTrace
Analyst: grisdalec
Worksheet file: C:\Program Files\QuickTrace\Worksheets\2014\11-NOV\141110ac.wsz
Date Started: 11/10/2014 6:10:41 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt. ODF	Vol.
Cal Blank	STD	11/10/14 06:15:42 pm	0.000	237	0.82		1.00 1.00	1.00
Std1	STD	11/10/14 06:18:00 pm	0.200	2340	0.12		1.00 1.00	1.00
Std2	STD	11/10/14 06:20:18 pm	0.500	5594	0.24		1.00 1.00	1.00
Std3	STD	11/10/14 06:22:37 pm	1.000	10988	1.27		1.00 1.00	1.00
Std4	STD	11/10/14 06:24:56 pm	2.000	22441	0.32		1.00 1.00	1.00
Std5	STD	11/10/14 06:27:16 pm	5.000	52935	0.48		1.00 1.00	1.00
Std6	STD	11/10/14 06:29:37 pm	10.000	108391	0.06		1.00 1.00	1.00

Calibration

Equation: A = 204.379 + 10775.180C
R2: 0.99979
SEE: 628.0474
Flags:



ICV 2984058	ICV	11/10/14 06:32:16 pm	4.143	44847	0.20		1.00 1.00	1.00
% Recovery 103.58								
ICB	ICB	11/10/14 06:34:33 pm	0.000	209	1.78		1.00 1.00	1.00
CRA 2984062	CRDL	11/10/14 06:36:51 pm	0.201	2374	0.16		1.00 1.00	1.00
% Recovery 100.66								

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
CCV 2984060	CCV	11/10/14 06:39:11 pm	5.010	54189	0.17		1.00	1.00
% Recovery 100.20							1.00	
CCB	CCB	11/10/14 06:41:28 pm	0.000	203	0.68		1.00	1.00
							1.00	
LB 280-251705/1-E	UNK	11/10/14 06:43:45 pm	0.008	291	1.17		1.00	1.00
							1.00	
LCS 280-251705/2-E	UNK	11/10/14 06:46:02 pm	4.969	53749	0.21		1.00	1.00
							1.00	
280-62014-B-2-E	UNK	11/10/14 06:48:20 pm	0.011	323	0.96		1.00	1.00
							1.00	
280-61973-A-1-E	UNK	11/10/14 06:50:38 pm	0.005	257	0.97		1.00	1.00
							1.00	
280-61989-C-1-G	UNK	11/10/14 06:52:56 pm	0.016	377	0.82		1.00	1.00
							1.00	
680-106862-A-1-E	UNK	11/10/14 06:55:14 pm	0.006	265	2.10		1.00	1.00
							1.00	
680-106862-A-2-E	UNK	11/10/14 06:57:33 pm	0.006	273	1.15		1.00	1.00
							1.00	
CCV 2984060	CCV	11/10/14 06:59:53 pm	5.090	55046	0.32		1.00	1.00
% Recovery 101.79							1.00	
CCB	CCB	11/10/14 07:02:10 pm	-0.006	135	3.00		1.00	1.00
							1.00	
680-106862-A-3-E	UNK	11/10/14 07:04:29 pm	0.008	291	0.65		1.00	1.00
							1.00	
680-106862-A-4-E	UNK	11/10/14 07:06:48 pm	0.008	290	1.66		1.00	1.00
							1.00	
680-106862-A-5-E	UNK	11/10/14 07:09:08 pm	0.004	252	0.77		1.00	1.00
							1.00	
680-106862-B-6-E	UNK	11/10/14 07:11:28 pm	0.050	739	0.35		1.00	1.00
							1.00	
680-106862-B-7-I	UNK	11/10/14 07:13:48 pm	0.012	334	0.98		1.00	1.00
							1.00	
680-106862-B-7-J MS	UNK	11/10/14 07:16:04 pm	4.242	45918	0.24		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
680-106862-B-7-K MSD	UNK	11/10/14 07:18:21 pm	5.159	55798	0.17		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 07:20:41 pm	5.138	55570	0.05		1.00	1.00	1.00
% Recovery 102.77									
CCB	CCB	11/10/14 07:22:58 pm	0.000	206	1.68		1.00	1.00	1.00
MB 280-252210/1-A	UNK	11/10/14 07:25:16 pm	0.002	228	1.36		1.00	1.00	1.00
LCS 280-252210/2-A	UNK	11/10/14 07:27:33 pm	4.853	52500	0.20		1.00	1.00	1.00
280-62233-A-1-A	UNK	11/10/14 07:29:51 pm	0.037	604	0.16		1.00	1.00	1.00
280-62233-A-1-B MS	UNK	11/10/14 07:32:09 pm	5.106	55228	0.12		1.00	1.00	1.00
280-62233-A-1-C MSD	UNK	11/10/14 07:34:27 pm	3.962	42893	0.33		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 07:36:47 pm	5.160	55810	0.23		1.00	1.00	1.00
% Recovery 103.21									
CCB	CCB	11/10/14 07:39:04 pm	0.001	215	1.85		1.00	1.00	1.00
280-62233-A-2-A	UNK	11/10/14 07:41:23 pm	-0.002	178	6.27	s	1.00	1.00	1.00
280-62180-M-2-C	UNK	11/10/14 07:43:42 pm	0.084	1106	1.66		1.00	1.00	1.00
280-62182-G-1-B	UNK	11/10/14 07:46:01 pm	0.095	1232	2.24		1.00	1.00	1.00
280-62322-B-2-D	UNK	11/10/14 07:48:20 pm	0.005	263	0.76		1.00	1.00	1.00
280-62322-B-3-B	UNK	11/10/14 07:50:40 pm	-0.001	198	1.77		1.00	1.00	1.00
280-62322-B-4-B	UNK	11/10/14 07:52:57 pm	-0.001	192	0.90		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 07:55:17 pm	4.080	44166	0.48		1.00	1.00	1.00
% Recovery 81.60									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCB	CCB	11/10/14 07:57:34 pm	-0.004	161	1.84		1.00	1.00	1.00
280-62322-B-5-B	UNK	11/10/14 07:59:51 pm	0.004	245	1.13		1.00	1.00	1.00
280-62322-B-6-B	UNK	11/10/14 08:02:08 pm	-0.002	179	3.95		1.00	1.00	1.00
280-62339-M-1-A	UNK	11/10/14 08:04:26 pm	0.079	1058	0.48		1.00	1.00	1.00
280-62339-M-2-A	UNK	11/10/14 08:06:44 pm	0.081	1077	0.51		1.00	1.00	1.00
280-62181-B-1-C	UNK	11/10/14 08:09:02 pm	0.016	380	0.67		1.00	1.00	1.00
280-62347-I-1-A	UNK	11/10/14 08:11:20 pm	0.020	420	1.05		1.00	1.00	1.00
280-62281-E-1-C	UNK	11/10/14 08:13:39 pm	0.151	1832	0.27		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 08:15:58 pm	5.443	58853	0.13		1.00	1.00	1.00
% Recovery 108.86									
CCB	CCB	11/10/14 08:18:15 pm	0.001	214	1.11		1.00	1.00	1.00
MB 280-252206/1-A	UNK	11/10/14 08:20:34 pm	-0.003	175	2.31		1.00	1.00	1.00
LCS 280-252206/2-A	UNK	11/10/14 08:22:54 pm	5.422	58626	0.25		1.00	1.00	1.00
280-62199-H-1-E	UNK	11/10/14 08:25:13 pm	0.000	210	1.04		1.00	1.00	1.00
280-62199-H-1-F MS	UNK	11/10/14 08:27:33 pm	1.797	19567	0.22		1.00	1.00	1.00
280-62199-H-1-G MSD	UNK	11/10/14 08:29:50 pm	1.743	18985	0.32		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 08:32:10 pm	5.471	59151	0.17		1.00	1.00	1.00
% Recovery 109.41									
CCB	CCB	11/10/14 08:34:27 pm	0.001	212	5.68	s	1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
MB 280-252207/1-A	UNK	11/10/14 08:36:44 pm	0.000	200	1.36		1.00	1.00	1.00
LCS 280-252207/2-A	UNK	11/10/14 08:39:02 pm	5.202	56259	0.33		1.00	1.00	1.00
280-62218-A-1-E	UNK	11/10/14 08:41:19 pm	0.007	280	0.68		1.00	1.00	1.00
280-62218-A-1-F MS	UNK	11/10/14 08:43:37 pm	5.237	56636	0.18		1.00	1.00	1.00
280-62218-A-1-G MSD	UNK	11/10/14 08:45:55 pm	5.280	57101	0.27		1.00	1.00	1.00
280-62218-A-2-C	UNK	11/10/14 08:48:13 pm	0.001	213	2.28		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 08:50:33 pm	4.387	47479	1.47		1.00	1.00	1.00
% Recovery 87.75									
CCB	CCB	11/10/14 08:52:50 pm	0.004	247	0.98		1.00	1.00	1.00
280-62218-A-3-C	UNK	11/10/14 08:55:09 pm	0.007	285	1.03		1.00	1.00	1.00
280-62218-A-4-C	UNK	11/10/14 08:57:28 pm	-0.001	193	1.41		1.00	1.00	1.00
280-62218-A-5-C	UNK	11/10/14 08:59:47 pm	0.001	212	1.29		1.00	1.00	1.00
280-62218-A-6-C	UNK	11/10/14 09:02:06 pm	0.005	261	0.54		1.00	1.00	1.00
280-62218-A-7-C	UNK	11/10/14 09:04:26 pm	0.005	261	8.13	s	1.00	1.00	1.00
280-62218-A-8-E	UNK	11/10/14 09:06:44 pm	0.008	290	0.73		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 09:09:04 pm	5.535	59844	0.37		1.00	1.00	1.00
% Recovery 110.70									
CCB	CCB	11/10/14 09:11:21 pm	0.005	258	1.11		1.00	1.00	1.00
280-62218-A-9-C	UNK	11/10/14 09:13:38 pm	0.007	285	1.07		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-62218-A-10-C	UNK	11/10/14 09:15:56 pm	0.011	318	0.89		1.00	1.00	1.00
280-62218-A-11-C	UNK	11/10/14 09:18:13 pm	0.000	203	1.42		1.00	1.00	1.00
280-62218-A-14-C	UNK	11/10/14 09:20:31 pm	1.722	18758	0.25		1.00	1.00	1.00
280-62218-A-15-C	UNK	11/10/14 09:22:49 pm	0.549	6120	0.40		1.00	1.00	1.00
280-62218-A-16-C	UNK	11/10/14 09:25:07 pm	-0.001	191	1.48		1.00	1.00	1.00
280-62218-A-17-C	UNK	11/10/14 09:27:26 pm	0.001	213	0.51		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 09:29:46 pm	5.564	60153	0.16		1.00	1.00	1.00
% Recovery 111.27									
CCB	CCB	11/10/14 09:32:03 pm	0.003	232	0.85		1.00	1.00	1.00
MB 280-252215/1-A	UNK	11/10/14 09:34:22 pm	0.006	265	0.39		1.00	1.00	1.00
LCS 280-252215/2-A	UNK	11/10/14 09:36:41 pm	5.483	59281	0.19		1.00	1.00	1.00
280-62236-C-2-C	UNK	11/10/14 09:39:01 pm	0.001	213	1.04		1.00	1.00	1.00
280-62236-C-3-C	UNK	11/10/14 09:41:20 pm	0.004	253	1.70		1.00	1.00	1.00
280-62236-C-4-C	UNK	11/10/14 09:43:38 pm	0.003	236	0.54		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 09:45:58 pm	5.573	60251	0.41		1.00	1.00	1.00
% Recovery 111.45									
CCB	CCB	11/10/14 09:48:15 pm	0.003	232	1.13		1.00	1.00	1.00
280-62236-C-5-C	UNK	11/10/14 09:50:33 pm	0.008	286	0.86		1.00	1.00	1.00
280-62236-C-6-C	UNK	11/10/14 09:52:51 pm	-0.002	178	2.85		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-62236-C-8-C	UNK	11/10/14 09:55:09 pm	0.003	237	0.78		1.00	1.00	1.00
280-62236-C-10-C	UNK	11/10/14 09:57:27 pm	0.006	264	0.47		1.00	1.00	1.00
280-62236-C-11-C	UNK	11/10/14 09:59:45 pm	0.004	246	0.70		1.00	1.00	1.00
280-62236-C-12-C	UNK	11/10/14 10:02:04 pm	0.000	206	1.05		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 10:04:24 pm	5.516	59644	0.13		1.00	1.00	1.00
% Recovery 110.33									
CCB	CCB	11/10/14 10:06:41 pm	0.000	207	2.00		1.00	1.00	1.00
280-62236-C-13-C	UNK	11/10/14 10:08:59 pm	0.000	208	0.90		1.00	1.00	1.00
280-62236-C-14-C	UNK	11/10/14 10:11:18 pm	0.000	204	0.48		1.00	1.00	1.00
280-62274-C-1-C	UNK	11/10/14 10:13:37 pm	0.004	245	1.29		1.00	1.00	1.00
280-62274-C-2-D	UNK	11/10/14 10:15:57 pm	0.001	211	1.23		1.00	1.00	1.00
280-62274-E-4-H	UNK	11/10/14 10:18:17 pm	0.001	211	1.73		1.00	1.00	1.00
280-62274-E-4-I MS	UNK	11/10/14 10:20:35 pm	4.365	47240	0.36		1.00	1.00	1.00
280-62274-E-4-J MSD	UNK	11/10/14 10:22:53 pm	4.295	46484	0.23		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 10:25:13 pm	5.514	59618	0.04		1.00	1.00	1.00
% Recovery 110.28									
CCB	CCB	11/10/14 10:27:30 pm	-0.001	199	0.80		1.00	1.00	1.00
MB 280-252217/1-A	UNK	11/10/14 10:29:48 pm	0.003	234	0.71		1.00	1.00	1.00
LCS 280-252217/2-A	UNK	11/10/14 10:32:06 pm	5.365	58015	0.21		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-62176-G-1-F	UNK	11/10/14 10:34:25 pm	-0.002	183	3.11		1.00	1.00	1.00
280-62204-B-5-A	UNK	11/10/14 10:36:43 pm	0.020	416	0.61		1.00	1.00	1.00
280-62204-B-6-A	UNK	11/10/14 10:39:01 pm	-0.002	184	1.38		1.00	1.00	1.00
280-62244-A-2-E	UNK	11/10/14 10:41:20 pm	0.004	243	0.34		1.00	1.00	1.00
280-62244-A-2-F MS	UNK	11/10/14 10:43:39 pm	5.410	58495	0.17		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 10:45:59 pm	4.519	48903	1.80		1.00	1.00	1.00
% Recovery 90.39									
CCB	CCB	11/10/14 10:48:16 pm	0.001	218	0.56		1.00	1.00	1.00
280-62244-A-2-G MSD	UNK	11/10/14 10:50:35 pm	5.369	58051	0.12		1.00	1.00	1.00
280-62244-A-4-C	UNK	11/10/14 10:52:54 pm	0.001	211	1.99		1.00	1.00	1.00
280-62244-A-6-C	UNK	11/10/14 10:55:14 pm	0.004	245	1.21		1.00	1.00	1.00
280-62244-A-8-C	UNK	11/10/14 10:57:33 pm	-0.003	169	2.34		1.00	1.00	1.00
280-62244-A-10-C	UNK	11/10/14 10:59:51 pm	0.004	252	0.58		1.00	1.00	1.00
280-62276-A-2-C	UNK	11/10/14 11:02:10 pm	-0.004	164	1.45		1.00	1.00	1.00
280-62276-A-4-C	UNK	11/10/14 11:04:28 pm	0.005	255	1.52		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 11:06:48 pm	5.527	59756	0.09		1.00	1.00	1.00
% Recovery 110.54									
CCB	CCB	11/10/14 11:09:05 pm	0.001	217	0.45		1.00	1.00	1.00
MB 280-252227/1-A	UNK	11/10/14 11:11:24 pm	-0.006	144	1.45		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
LCS 280-252227/2-A	UNK	11/10/14 11:13:42 pm	4.600	49771	0.15		1.00	1.00	1.00
280-62203-I-4-D	UNK	11/10/14 11:16:01 pm	-0.001	198	1.33		1.00	1.00	1.00
280-62204-A-1-E	UNK	11/10/14 11:18:19 pm	-0.012	75	1.37		1.00	1.00	1.00
280-62204-A-2-C	UNK	11/10/14 11:20:38 pm	0.007	284	0.66		1.00	1.00	1.00
280-62204-A-3-C	UNK	11/10/14 11:22:57 pm	0.132	1630	0.74		1.00	1.00	1.00
280-62204-A-4-C	UNK	11/10/14 11:25:17 pm	-0.002	184	2.36		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 11:27:37 pm	5.553	60042	0.06		1.00	1.00	1.00
% Recovery 111.07									
CCB	CCB	11/10/14 11:29:54 pm	0.000	209	1.13		1.00	1.00	1.00
280-62211-E-1-A	UNK	11/10/14 11:32:14 pm	-0.001	189	0.25		1.00	1.00	1.00
280-62211-A-2-A	UNK	11/10/14 11:34:32 pm	0.009	299	1.04		1.00	1.00	1.00
280-62211-B-4-A	UNK	11/10/14 11:36:51 pm	0.585	6503	0.19		1.00	1.00	1.00
280-62263-B-1-F	UNK	11/10/14 11:39:10 pm	-0.003	168	1.32		1.00	1.00	1.00
280-62291-A-1-A	UNK	11/10/14 11:41:29 pm	0.008	292	0.69		1.00	1.00	1.00
280-62291-A-1-B MS	UNK	11/10/14 11:43:47 pm	5.428	58692	0.23		1.00	1.00	1.00
280-62291-A-1-C MSD	UNK	11/10/14 11:46:06 pm	5.301	57321	1.05		1.00	1.00	1.00
CCV 2984060	CCV	11/10/14 11:48:26 pm	5.543	59933	0.08		1.00	1.00	1.00
% Recovery 110.86									
CCB	CCB	11/10/14 11:50:43 pm	0.000	208	0.78		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
LB2 280-251704/1-C	UNK	11/10/14 11:53:02 pm	0.004	249	0.31		1.00	1.00	1.00
LCS 280-251704/2-C	UNK	11/10/14 11:55:21 pm	5.580	60334	0.15		1.00	1.00	1.00
280-62014-B-1-F	UNK	11/10/14 11:57:40 pm	0.004	243	1.28		1.00	1.00	1.00
280-62014-B-1-G MS	UNK	11/10/14 11:59:59 pm	4.623	50021	0.35		1.00	1.00	1.00
280-62014-B-1-H MSD	UNK	11/11/14 12:02:18 am	4.620	49982	0.48		1.00	1.00	1.00
CCV 2984060	CCV	11/11/14 12:04:38 am	5.572	60248	0.10		1.00	1.00	1.00
% Recovery 111.45									
CCB	CCB	11/11/14 12:06:55 am	0.000	207	1.39		1.00	1.00	1.00
LB 280-252011/1-B	UNK	11/11/14 12:09:15 am	0.018	402	0.56		1.00	1.00	1.00
LCS 280-252011/2-B	UNK	11/11/14 12:11:34 am	4.652	50331	0.31		1.00	1.00	1.00
280-62027-A-13-C	UNK	11/11/14 12:13:53 am	0.002	225	2.04		1.00	1.00	1.00
280-62027-A-13-D MS	UNK	11/11/14 12:16:12 am	4.696	50808	0.39		1.00	1.00	1.00
280-62027-A-13-E MSD	UNK	11/11/14 12:18:31 am	5.636	60934	0.13		1.00	1.00	1.00
CCV 2984060	CCV	11/11/14 12:20:51 am	5.642	61002	0.10		1.00	1.00	1.00
% Recovery 112.85									
CCB	CCB	11/11/14 12:23:08 am	0.001	210	0.77		1.00	1.00	1.00
MB 280-252204/1-A	UNK	11/11/14 12:25:27 am	0.002	226	1.09		1.00	1.00	1.00
LCS 280-252204/2-A	UNK	11/11/14 12:27:46 am	5.475	59200	0.37		1.00	1.00	1.00
280-62322-B-2-A	UNK	11/11/14 12:30:05 am	-0.001	197	0.66		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-62322-B-2-B MS	UNK	11/11/14 12:32:24 am	5.459	59025	0.23		1.00	1.00	1.00
280-62322-B-2-C MSD	UNK	11/11/14 12:34:43 am	5.507	59548	0.03		1.00	1.00	1.00
280-62322-B-3-A	UNK	11/11/14 12:37:02 am	0.000	207	1.00		1.00	1.00	1.00
280-62322-B-4-A	UNK	11/11/14 12:39:22 am	0.003	237	0.86		1.00	1.00	1.00
280-62322-B-5-A	UNK	11/11/14 12:41:42 am	0.001	216	0.94		1.00	1.00	1.00
280-62322-B-6-A	UNK	11/11/14 12:44:01 am	-0.006	145	1.17		1.00	1.00	1.00
CCV 2984060	CCV	11/11/14 12:46:21 am	5.625	60810	0.05		1.00	1.00	1.00
% Recovery 112.49									
CCB	CCB	11/11/14 12:48:38 am	0.000	206	1.61		1.00	1.00	1.00
MB 280-252211/1-A	UNK	11/11/14 12:50:57 am	0.001	217	0.69		1.00	1.00	1.00
LCS 280-252211/2-A	UNK	11/11/14 12:53:17 am	4.304	46576	0.72		1.00	1.00	1.00
280-62274-C-5-C	UNK	11/11/14 12:55:36 am	-0.004	158	1.00		1.00	1.00	1.00
280-62274-C-6-C	UNK	11/11/14 12:57:56 am	-0.008	118	2.01		1.00	1.00	1.00
280-62274-C-7-C	UNK	11/11/14 01:00:15 am	-0.001	189	1.20		1.00	1.00	1.00
280-62274-C-8-C	UNK	11/11/14 01:02:35 am	-0.002	184	2.07		1.00	1.00	1.00
CCV 2984060	CCV	11/11/14 01:04:55 am	5.623	60788	0.09		1.00	1.00	1.00
% Recovery 112.45									
CCB	CCB	11/11/14 01:07:12 am	0.000	205	0.66		1.00	1.00	1.00
280-62274-C-10-C	UNK	11/11/14 01:09:31 am	0.003	232	0.85		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
280-62274-C-11-C	UNK	11/11/14 01:11:51 am	0.002	223	1.04		1.00	1.00
							1.00	
280-62274-C-12-C	UNK	11/11/14 01:14:10 am	-0.002	185	1.27		1.00	1.00
							1.00	
280-62274-C-15-C	UNK	11/11/14 01:16:30 am	-0.002	180	0.82		1.00	1.00
							1.00	
280-62274-C-16-A	UNK	11/11/14 01:18:50 am	0.001	211	1.94		1.00	1.00
							1.00	
CCV 2984060	CCV	11/11/14 01:21:10 am	5.666	61256	0.07		1.00	1.00
% Recovery 113.32							1.00	
CCB	CCB	11/11/14 01:23:27 am	0.000	208	1.88		1.00	1.00
							1.00	
280-62274-C-16-B MS	UNK	11/11/14 01:25:46 am	4.212	45592	0.15		1.00	1.00
							1.00	
280-62274-C-16-C MSD	UNK	11/11/14 01:28:06 am	4.043	43763	0.40		1.00	1.00
							1.00	
280-62274-C-17-C	UNK	11/11/14 01:30:26 am	-0.043	-263	1.01		1.00	1.00
							1.00	
280-62274-C-19-C	UNK	11/11/14 01:32:46 am	-0.013	69	2.20		1.00	1.00
							1.00	
280-62274-C-20-C	UNK	11/11/14 01:35:05 am	-0.002	185	1.72		1.00	1.00
							1.00	
CCV 2984060	CCV	11/11/14 01:37:25 am	5.663	61227	0.03		1.00	1.00
% Recovery 113.26							1.00	
CCB	CCB	11/11/14 01:39:42 am	0.001	212	1.50		1.00	1.00
							1.00	
MB 280-252226/1-A	UNK	11/11/14 01:42:02 am	-0.015	44	6.40		1.00	1.00
							1.00	
LCS 280-252226/2-A	UNK	11/11/14 01:44:22 am	2.122	23069	0.11		1.00	1.00
							1.00	
280-62311-A-1-A	UNK	11/11/14 01:46:41 am	0.165	1979	0.25		1.00	1.00
							1.00	
280-62288-A-1-D	UNK	11/11/14 01:49:01 am	0.005	258	0.65		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-62288-A-1-E MS	UNK	11/11/14 01:51:21 am	5.657	61159	0.04		1.00	1.00	1.00
280-62288-A-1-F MSD	UNK	11/11/14 01:53:40 am	5.513	59606	0.03		1.00	1.00	1.00
CCV 2984060	CCV	11/11/14 01:56:00 am	5.669	61287	0.28		1.00	1.00	1.00
% Recovery 113.38									
CCB	CCB	11/11/14 01:58:17 am	0.000	204	0.77		1.00	1.00	1.00
280-62288-A-2-B	UNK	11/11/14 02:00:37 am	0.013	343	0.72		1.00	1.00	1.00
280-62288-A-3-B	UNK	11/11/14 02:02:57 am	-0.002	183	1.59		1.00	1.00	1.00
280-62183-D-1-H	UNK	11/11/14 02:05:17 am	0.007	279	0.90		1.00	1.00	1.00
280-62185-D-1-C	UNK	11/11/14 02:07:37 am	0.023	454	0.36		1.00	1.00	1.00
280-62247-D-1-C	UNK	11/11/14 02:09:57 am	0.109	1374	0.26		1.00	1.00	1.00
280-62247-D-2-C	UNK	11/11/14 02:12:17 am	0.000	204	0.88		1.00	1.00	1.00
CCV 2984060	CCV	11/11/14 02:14:37 am	5.706	61690	0.04		1.00	1.00	1.00
% Recovery 114.12									
CCB	CCB	11/11/14 02:16:54 am	-0.004	157	1.59		1.00	1.00	1.00
MB 280-252205/1-A	UNK	11/11/14 02:19:14 am	0.003	235	0.97		1.00	1.00	1.00
LCS 280-252205/2-A	UNK	11/11/14 02:21:34 am	5.644	61017	0.31		1.00	1.00	1.00
LCSD 280-252205/3-A	UNK	11/11/14 02:23:54 am	5.726	61907	0.24		1.00	1.00	1.00
280-62224-A-1-G	UNK	11/11/14 02:26:14 am	0.048	724	0.18		1.00	1.00	1.00
CCV 2984060	CCV	11/11/14 02:28:34 am	3.679	39844	0.55	Q	1.00	1.00	1.00
% Recovery 73.58									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
CCV 2984060	CCV	11/11/14 08:21:35 am	5.656	61148	0.07		1.00	1.00
% Recovery 113.12							1.00	
CCV 2984060	CCV	11/11/14 08:23:55 am	5.675	61356	0.10		1.00	1.00
% Recovery 113.51							1.00	
CCB	CCB	11/11/14 08:26:12 am	0.006	269	6.52	s	1.00	1.00
							1.00	
LCS 280-252226/2-A	UNK	11/11/14 08:34:12 am	5.395	58339	0.29		1.00	1.00
							1.00	
MB 280-252205/1-A	UNK	11/11/14 08:36:32 am	0.001	216	2.83		1.00	1.00
							1.00	
LCS 280-252205/2-A	UNK	11/11/14 08:38:52 am	5.520	59684	0.32		1.00	1.00
							1.00	
LCSD 280-252205/3-A	UNK	11/11/14 08:41:12 am	5.616	60716	0.04		1.00	1.00
							1.00	
280-62224-A-1-G	UNK	11/11/14 08:43:32 am	0.051	754	0.14		1.00	1.00
							1.00	
CCV 2984060	CCV	11/11/14 08:45:52 am	4.717	51034	0.25		1.00	1.00
% Recovery 94.35							1.00	
CCB	CCB	11/11/14 08:48:09 am	0.005	255	0.38		1.00	1.00
							1.00	
MB 280-252209/1-A	UNK	11/11/14 08:50:29 am	-0.011	83	3.22		1.00	1.00
							1.00	
LCS 280-252209/2-A	UNK	11/11/14 08:52:49 am	2.641	28663	0.17		1.00	1.00
							1.00	
280-62355-B-1-A	UNK	11/11/14 08:55:09 am	8.311	89754	0.24		1.00	1.00
							1.00	
280-62355-B-1-B MS	UNK	11/11/14 08:57:29 am	12.843	138591	0.15	O	1.00	1.00
							1.00	

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	61.00	4	1.50	50	253.65

ASX Pump Rate (%)

100

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Batch Number: 252082 Batch Start Date: 11/10/14 08:30 Batch Analyst: Stangroom, William D

Batch Method: 3005A Batch End Date: 11/10/14 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2B 00013	ICP SPK 3A 00087
MB 280-252082/1		3005A, 6010C			50 mL	50 mL		
LCS 280-252082/2		3005A, 6010C			50 mL	50 mL	0.5 mL	0.5 mL
280-62224-A-1	AOI474TW0102AA	3005A, 6010C	D	<2	50 mL	50 mL		
280-62224-A-1 MS	AOI474TW0102AA	3005A, 6010C	D	<2	50 mL	50 mL	0.5 mL	0.5 mL
280-62224-A-1 MSD	AOI474TW0102AA	3005A, 6010C	D	<2	50 mL	50 mL	0.5 mL	0.5 mL

Batch Notes

Lot # of hydrochloric acid	0000088821-11/07
Lot # of Nitric Acid	0000077192-11/07
Hood ID or number	07
Hot Block ID number	07
Oven, Bath or Block Temperature 1	94
Oven, Bath or Block Temperature 2	92
Pipette ID	MET-007
ID number of the thermometer	908002329
Digestion Tube/Cup Lot #	1309222
Uncorrected Temperature	94 Celsius
Uncorrected Temperature 2	92 Celsius

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-62224-1

SDG No.:

Batch Number: 252205 Batch Start Date: 11/10/14 14:00 Batch Analyst: Grisdale, Christopher G

Batch Method: 7470A Batch End Date: 11/10/14 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 01214
MB 280-252205/1		7470A, 7470A			30 mL	30 mL	
LCS 280-252205/2		7470A, 7470A			30 mL	30 mL	1.5 mL
LCSD 280-252205/3		7470A, 7470A		<2	30 mL	30 mL	1.5 mL
280-62224-A-1	AOI474TW0102AA	7470A, 7470A	D	<2	30 mL	30 mL	

Batch Notes

Hydroxylamine Hydrochloride Lot	138012-11/05
Sulfuric Acid Lot Number	000080085-10/28
Lot # of hydrochloric acid	85716-10/27
Lot # of Nitric Acid	0000077192-10/2
Hood ID or number	HOOD4
Hot Block ID number	15
Potassium Persulfate Lot Number	142581-11/10
Potassium Permanganate Lot Number	88022-11/05
NaCl Lot #	142334-10/23
Oven, Bath or Block Temperature 1	93 Celsius
Oven, Bath or Block Temperature 2	94 Celsius
Pipette ID	MET70
Stannous Chloride Lot Number	88145-11/10
SOP Number	DVMT0017
ID number of the thermometer	312
Digestion Tube/Cup Lot #	1404096
Visual ck - digestate F.V. consistency	YES-F.V.CKD

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

280-62224 Chain of Custody

1.8+01R-6
Transfer by TCO
11/6/14

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _298_ (Open/Closed) Cooler ID#: _A_

Ship to:
Elaine Walker
Test America Laboratories, Inc.
4955 Yarrow Street
Arvada, Colorado Tel: 303-736-0156
Carrier: Test America courier.

Project Name: Griffiss AFB AOI 474

Sampler Name: John Pratt

Sampler Signature:

Send Results to:
Daniel Baldyga
FPM Remediations, Inc
584 Phoenix Drive
Rome, NY 13441
Phone: (315) 336-7721 Ext. 207

Analyses requested

Field Sample ID	LocID	Date 2014	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Metals note 3 250 mL poly (HNO3)	Comments
AOI474TW0102AA	AOI474TW-1	11/5	1430	WG	PP	N	0/0	1	1	Filtered in the field

Sample Condition Upon Receipt at Laboratory:

Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)

Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date: 11/5	#2 Released by: (Sig)	Date: 11/5	#3 Released by: (Sig)	Date:
Company Name:	Time: 1730	Company Name: FPM	Time: 1700	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date: 11/5	#2 Received by: (Sig)	Date: 11/6/14	#3 Received by: (Sig)	Date:
Company Name: FPM	Time: 1000	Company Name: TAO	Time: 900	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-62224-1

Login Number: 62224

List Source: TestAmerica Denver

List Number: 1

Creator: Orfield, Tayler C

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix E

Oneida Herkimer Solid Waste Management Authority

Generators Waste Profile Sheet For the Oneida Herkimer Regional Landfill

Waste Profile On File? Yes ☐ No☒ Profile Number: OHSWA CS1013-09

☐ Hazardous ☒ Non-Hazardous ☐ TSCA Renewal Date: 10/26/2014

A. Waste Generator Information

1. Generator's Name: Air Force (AFCEC)
2. SIC Code:
3. Generator's Street Address: 706 Brooks Road
4. Phone: (315) 356-0810 ext.204
5. Generator's City: Rome
6. State: New York
7. Zip/Postal Code: 13441
8. Generator USEPA/Federal ID#: NY4571924451
9. County: Oneida
10. State ID#:
11. Company Name (Billing): FPM Remediations
12. Customer Phone: (315) 336-7721 ext. 207
13. Billing Contact: Daniel Baldyga
14. Customer Fax: (315) 336-7722
15. Billing Address: 584 Phoenix Drive Rome, New York 13441 Same as Above ☐
16. Credit Application on file: ☒ YES ☐ NO
17. Authority Account Number:

B. Description of Waste Stream

1. Description

a. Name of Waste: Excavated Soils, Area of Interest 474

b. Process Generating Waste: Excavation of soils.

Note: soil was stabilized in-situ with portland cement and monoammonium phosphate prior to TCLP sampling.

c. Color	d. Strong odor (describe)	e. Physical State @ 70° F	f. Layers	g. Free Liquid Range
Brown	No odor	☒ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other	☒ Single Layer ☐ Multi Layer	____ to ____ %
				h. pH Range ____ to ____ %

i. Liquid Flash Point: ☐ <73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ >200°F ☒ Not Applicable

j. Chemical Composition (List all constituents (including halogenated organics, debris, and UHC'S) present in any concentration and submit representative analysis)

Constituents	Concentration Range	Constituents	Concentration Range
***See Lab Results in attached spreadsheet and attached CD containing lab packets (file names - *AOI 474 Raw Lab Data TCLP Results* and *AOI 474 Raw Lab Data – Total Results*)			

Total Composition Must Equal Or Exceed 100%

k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive
☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

l. Does the waste represented by this profile contain any carcinogens which require OHSA notification (List in Section B.1.j)..... ☐ Yes ☒ No

m. Does the waste represented by this profile contain any dioxins? (List Section B.1.j)..... ☐ Yes ☒ No

n. Does the waste represented by this profile contain any asbestos..... ☐ Yes ☒ No
If yes .. ☐ Friable ☐ Non-Friable

o. Does the waste represented by this profile contain benzene?.. ☐ Yes ☒ No
If yes, concentration: ____ ppm
Is the waste subject to the benzene waste operations NESHAP?. ☐ Yes ☒ No

p. Is the waste subject to RCRA Subpart CC Controls? ☐ Yes ☒ No
q. Does the waste contain any Class I or Class II ozone depleting chemicals? ☐ Yes ☒ No
r. Does the waste contain debris? ☐ Yes ☒ No

2. Quantity of Waste

Estimated Annual Volume: 60 ☒ Yards ☐ Tons ☐ Drums ☐ Other (specify)

3. Shipping Information

a. Packaging:
☒ Bulk Solid; Type/Size: 10 wheeler dump truck (20y) ☐ Bulk Liquid; Type/Size:
☐ Drum; Type; Size: ☐ Other:

b. Shipping Frequency: Units: 3 Per: ☐ Month ☐ Quarter ☐ Year ☐ One Time
Other: One dump truck will be used making three trips.

c. Is this a US Department of Transportation (USDOT) Hazardous Material? (if no skip d, e, and f) ☐ Yes ☒ No

d. Reportable Quantity: (lbs;kgs): e. Hazard Class/ID #:
f. USDOT Shipping Name:
g. Personal Protective Equipment Requirement: None
h. Hauler / Transporters Name: Fred Burrows Trucking
i. DEC 364 Permit on file: ☒ Yes ☐ No

C. Generators Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR part 261)? If the answer is no skip to 2 ☐ Yes ☒ No
   a. If yes, identify ALL USEPA listed and characteristic waste codes (D, F, K, P, U):
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes list in section B.1.j) ☐ Yes ☐ No
   c. Does this waste contain debris? (If yes list the size and type in chemical composition B.1) ☐ Yes ☐ No

2. Is this a state hazardous waste? ☐ Yes ☒ No
   Identify **ALL** state hazardous waste codes:

3. Is the waste from a CERCLA (40 CFR 300 Appendix B) or state mandated clean up? ☐ Yes ☒ No
   If yes, attach Record of Decision (ROD), 104(a)(b) or 122 order or court order that governs site clean-up activity. For state mandated clean-up provide relevant documentation.

4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☒ No

5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? ☐ Yes ☒ No
   (If yes, list chemical composition B.1.j)
   a. If yes, were the PCBs imported into the U.S.? ☐ Yes ☐ No

6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒ Yes ☐ No

Oneida-Herkimer Solid Waste Management Authority

Generator's Waste Profile Sheet for the Oneida-Herkimer Regional Landfill

7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒ Yes ☐ No

☒ Check here if Certification of Destruction or Disposal is required.

Any Sample submitted is representative as defined in 40 CFR 261 – Appendix I or by using an equivalent method. I authorize OHSWA to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this profile sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: [signature] Title: [illegible]

Name (Type or Print): [illegible] Company Name: [illegible] Date: 10/24/2013

☒ Check if additional information is attached. Indicate the number of attached pages 5

D. OHSWA Management's Decision

1. Precautions, Special Handling Procedures, or Limitation on Approval:

2. Direct haul to Regional Landfill: ☒ Yes ☐ No

3. Commingle waste at Eastern or Western Transfer Stations: ☐ Yes ☒ No

4. Waste Form:

5. Waste Class: ☐ DH SW ☐ MSW ☐ C&D ☐ Sludge ☒ GS ☐ ADC ☐ Select C&D ☐ Asbestos

Special Waste Decision: ☒ Approved ☐ Disapproved

Special Waste Approvals Signature: [signature] Date: 10/28/2013

Instructions

B510

ONEIDA-HERKIMER SOLID WASTE AUTHORITY
UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 736-0158

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION:	DATE:
Griffiss AFB / Area 4777H	10/29/13
CONTACT PERSON OR SITE REPRESENTATIVE:	**TITLE:**
Joshua Wenzell / 1F777	Environmental Specialist
FACILITY LOCATION/MAILING ADDRESS:	**TELEPHONE NUMBER:**
584 Phoenix Drive Rome, NY 13441-4105	3386-7721 ext. 214

WASTE TYPE / PROFILE #	Estimated Yards	Container Type	Container #
A: Contaminated soils / CSI013-09	A: 200	A:	A:
B:	B:	B:	B:

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generator Signature: [signature] Title: ENV. ENGINEER Date: 10/29/2013

NYSEC 315 3560810

HAULER

TRANSPORTING COMPANY NAME:	AUTHORITY PERMIT NUMBER:
Fred Burrows Trucking & Excavating	10M108
DRIVER'S NAME (PRINT):	**TICKET NUMBER:**
D. Lamoreaux	
DRIVER'S SIGNATURE:	**TRAILER NUMBER:**
D. Lamoreaux	B510
DATE OF SHIPMENT OF MATERIAL:	**COMMENTS:**	**CONTAINER SIZE / TYPE:**
10/29/13		

DISPOSAL FACILITY

DISPOSAL FACILITY NAME:	DISPOSAL SITE REPRESENTATIVE NAME:
CHISWA RLF	
WASTE TYPE RECEIVED:	**DATE RECEIVED:**
Cont Soil	

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
841360	65.00	26.20	38.80 19.39

DISPOSAL FACILITY CERTIFICATION:

[signature] SIGNATURE Scales TITLE 10/29/13 DATE

COMMENTS:

COPY DISTRIBUTION:
WHITE COPY – ONEIDA-HERKIMER SOLID WASTE AUTHORITY
YELLOW COPY – DISPOSAL FACILITY
PINK COPY – GENERATOR/HAULER/TRANSPORTER COPY

[redacted]

ONEIDA-HERKIMER SOLID WASTE AUTHORITY
UNIFORM WASTE DISPOSAL DOCUMENT

[redacted]

GENERATOR/ON-SITE

FACILITY NAME OR ORIGIN OF PRIMARY WASTE/LOCATION: Former Griffiss AFB [redacted]

DATE: 10/29/13

GENERATOR OR SITE REPRESENTATIVE: Joshua Howard [redacted]

TITLE: Environmental Engineer

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive Rome, NY 13440

TELEPHONE NUMBER: 336-7721 ext. 214

WASTE TYPE / PROFILE #	Estimated Tons	Container Type	Container #
A: Contaminated soils / CS1013B-011	220		
B:			

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] Title: ENV, ENV, MGR Date: 10/29/2013

HAULER

TRANSPORTING COMPANY NAME: Fred Barrow Trucking & Excavating

AUTHORITY PERMIT NUMBER: 6 of 108

DRIVER'S NAME (PRINT): Steve Fred

TICKET NUMBER:

DRIVERS SIGNATURE: [signature]

TRAILER NUMBER: B530

DATE OF SHIPMENT OF MATERIAL: 10-29-13

COMMENTS:

CONTAINER SIZE / TYPE: 20 yd Dump

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: CHAMPION

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Contam Soil

DATE RECEIVED:

SCALE TICKET NUMBER	FULL WEIGHT	EMPTY WEIGHT	NET WEIGHT
134165	80560	25140	55420

DISPOSAL FACILITY CERTIFICATION: [signature] SIGNATURE [signature] TITLE 10-29-13 DATE

COMMENTS:

COPY DISTRIBUTION:
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YELLOW COPY – DISPOSAL FACILITY
PINK COPY – GENERATOR/HAULER/TRANSPORTER COPY

ONEIDA--HERKIMER SOLID WASTE AUTHORITY
UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 733-1224

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 474 — DATE: 10/29/13

CONTACT PERSON OR SITE REPRESENTATIVE: Joshua Wenzel / FPM — TITLE: Environmental Scientist

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive Rome, NY 13441 — TELEPHONE NUMBER: 336-7721 ext. 214

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS1013-09	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida -- Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] Title: ENV. ENGINEER Date: 10/29/2013

AFRL 315 330 8810

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows Trucking & Excavating — AUTHORITY PERMIT NUMBER: GA108

DRIVER'S NAME (PRINT): C. Lorraine — TICKET NUMBER:

DRIVERS SIGNATURE: C. Lorraine — TRAILER NUMBER: B520

DATE OF SHIPMENT OF MATERIAL: 10/29/13 — COMMENTS: — CONTAINER SIZE / TYPE:

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: ONSWARE — DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil — DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
194530	74640	26760	47880 / 23.94

DISPOSAL FACILITY CERTIFICATION: [signature] SIGNATURE — Scale Op TITLE — 10/29/13 DATE

COMMENTS:

COPY DISTRIBUTION:
WHITE COPY -- ONEIDA-HERKIMER SOLID WASTE AUTHORITY
YELLOW COPY -- DISPOSAL FACILITY
PINK COPY -- GENERATOR/HAULER/TRANSPORTER COPY

Appendix F

FPM Remediations, Inc.
Data Verification and Usability Report
FORMER GRIFFISS AIR FORCE BASE
Site AOI 474
Contract No. FA8903-10-D8595, Delivery Order No. 0014

FPM Project No. 1005-11-01

TestAmerica Job # 280-48651-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil
Number of Samples:	7
Analytical Protocol:	DOD QSM Final Version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	October 30, 2013

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
AOI474NW0102AA	10/30/13		
AOI474SW0102AA (soil)	10/30/13		
AOI474WW0102AA	10/30/13	103013AE	10/30/13
AOI474EW0102AA	10/30/13		
AOI474BT0103AA	10/30/13		
AOI474SW0102AA (water)	10/30/13		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, Final Version 4.2, as specified in the project-specific UFP QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, Final Version 4.2, with project-specific modifications as listed in the project-specific UFP QAPP. The analytical methods employed included SW-846: Semivolatile Organic Compounds (SVOCs) by Method 8270D, Metals by Method 6010C, and Mercury by Method 7470A (water samples)/7471B (soil samples).

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, Final Version 4.2, as specified in the project-specific UFP QAPP. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the project-specific UFP QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, Final Version 4.2, and the criteria as listed in the project-specific UFP QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed for the SVOCs analyses, as applicable:

- Limits of Detection and Limits of Quantitation (LOD, LOQ)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Trip blank (VOCs only)
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between LOD and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification

- Chain-of-custody (COC)
- Case narrative and deliverables compliance
- Tentatively identified compounds (TICs)

The following QA/QC criteria were reviewed for the metals and mercury analyses, as applicable:

- LODs and LOQs
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- ICP interference check sample analysis
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- ICP serial dilution analysis
- Results reported between LOD and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, Final Version 4.2 and project-specific UFP QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

SAMPLE LABELING/CHAIN-OF-CUSTODY

No errors in the chain-of-custody were noted. There were no discrepancies noted between the sample labels and the chain-of-custody, or the cooler contents and the chain-of-custody.

MS/MSD

For metals analyses, the lab performed matrix spike and matrix spike duplicate samples for sample AOI474NW0102AA. Since these samples were not requested by the client in the chain-of-custody, no action was taken for the MS/MSD criterion.

REPORTING LIMITS

In accordance with the UFP QAPP, some quality control criteria (field duplicate and blank evaluations), required comparison to the reporting limit (RL). For this project, the RL was assumed to be equal to the LOQ.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	Lab QC Limits (%)	Flag Applied	Rationale
AOI474SW0102AA (water)	Terphenyl-d14	***43***	50-135	None	Only 1 base/neutral (B/N) surrogate outside control limits

For SVOCs, if any two surrogate recoveries of the same fraction are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate fraction in that sample are qualified. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the QAPP, qualifiers are required for SVOC results when two or more surrogates of a fraction indicate an exceedance. Since there was only one surrogate exceedance, no qualifiers were deemed necessary. No reanalyses were performed since the sample was outside hold time. "Q" qualifiers applied by the laboratory were removed.

METALS (ICP)

- According to the case narrative, the ICSA solution for prep batch 280-200251 reported manganese, strontium, and vanadium above the LOD. The laboratory contacted the manufacturer, and the source of the manganese, strontium, and vanadium is suspected to be trace impurities of the element in the solution, rather than an artifact of matrix interference. The laboratory applied "Q" flags for all manganese, strontium, and vanadium results. Using professional judgment, the "Q" flags were removed and the unqualified results are deemed usable.

- According to the case narrative, the ICSA solution for prep batch 280-199917 reported chromium, manganese, and strontium above the LOD. The laboratory contacted the manufacturer, and the source of the chromium, manganese, and strontium is suspected to be trace impurities of the element in the solution, rather than an artifact of matrix interference. The laboratory applied "Q" flags for all chromium, manganese, and strontium results. Using

professional judgment, the “Q” flags were removed and the unqualified results are deemed usable.

MERCURY

- No quality control exceedances were reported for the mercury analyses.

DATA USABILITY RESULTS

SVOCs

Based on the evaluation of all information in the analytical data groups, the results for SVOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Metals (ICP)

Based on the evaluation of all information in the analytical data groups, the results for metals are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Mercury

Based on the evaluation of all information in the analytical data groups, the results for mercury are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

DATA USABILITY SUMMARY

All data in Job # 280-48651-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 1/17/14

ATTACHMENTS

- Chains of Custody
- Lab's Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

FPM Remediations, Inc.
Data Verification and Usability Report
FORMER GRIFFISS AIR FORCE BASE
Site AOI 474
Contract No. FA8903-10-D-8595
FPM Project No. 1015-11-01

TestAmerica Job # 280-62224-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Groundwater
Number of Samples:	1
Analytical Protocol:	DOD QSM Final Version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	November 5, 2014

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
AOI474TW0102AA	11/5/14		

Notes:
Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, Final Version 4.2, as specified in the project-specific UFP QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, Final Version 4.2, with project-specific modifications as listed in the project-specific UFP QAPP. The analytical methods employed included SW-846: Metals (dissolved) by Method SW6010C, and Mercury (dissolved) by Method SW7470A.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, Final Version 4.2, as specified in the project-specific UFP QAPP. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the project-specific UFP QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, Final Version 4.2, and the criteria as listed in the project-specific UFP QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed for the metals and mercury analyses, as applicable:

- LODs and LOQs
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- ICP interference check sample analysis
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- ICP serial dilution analysis
- Results reported between LOD and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, Final Version 4.2 and project-specific UFP QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

SAMPLE LABELING/CHAIN-OF-CUSTODY

No errors in the chain-of-custody were noted. There were no discrepancies noted between the sample labels and the chain-of-custody, or the cooler contents and the chain-of-custody.

MS/MSD

For metals analyses, the lab performed matrix spike and matrix spike duplicate samples for sample AOI474TW0102AA. Since these samples were not requested by the client in the chain-of-custody, no action was taken for the MS/MSD criterion.

REPORTING LIMITS

In accordance with the UFP QAPP, some quality control criteria (field duplicate and blank evaluations), required comparison to the reporting limit (RL). For this project, the RL was assumed to be equal to the LOQ.

METALS (ICP)

- According to the case narrative, the ICSA solution for prep batch 280-253386 reported cadmium, chromium, manganese, nickel, and strontium above the LOD. The laboratory contacted the manufacturer, and the source of the cadmium, chromium, manganese, nickel, and strontium is suspected to be trace impurities of the element in the solution, rather than an artifact of matrix interference. The laboratory applied "Q" flags for all cadmium, chromium, manganese, nickel, and strontium results. Using professional judgment, the "Q" flags were removed and the unqualified results are deemed usable.

MERCURY

- No quality control exceedances were reported for the mercury analyses.

DATA USABILITY RESULTS

Metals (ICP)

Based on the evaluation of all information in the analytical data groups, the results for metals are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Mercury

Based on the evaluation of all information in the analytical data groups, the results for mercury are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

DATA USABILITY SUMMARY

All data in Job # 280-62224-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Mac Hassel Date: 1/8/15

ATTACHMENTS

- Chains of Custody
- Lab's Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-62224-1

Job Description: Griffiss AFB AOI 474

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine M Walker
Project Manager II
11/26/2014 11:21 AM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
11/26/2014

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB AOI 474
Report Number: 280-62224-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

One sample was received on 11/06/2014; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.8°C.

DISSOLVED METALS

Sample AOI474TW0102AA (280-62224-1) was analyzed for Dissolved Metals in accordance with EPA SW-846 Method 6010C. The sample was prepared on 11/10/2014 and analyzed on 11/16/2014.

Aluminum and Iron failed the recovery criteria high for the MS and MSD of sample AOI474TW0102AA (280-62224-1) in batch 280-253386. The presence of the '4' qualifier indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated LCS recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The analysis of the ICSA solution, which is used as the interference check standard, shows results for Cadmium, Chromium, Manganese, Nickel and Strontium at a level greater than the LOD for analytical batch 280-253386. We believe that the solution contains trace impurities of these elements and that the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. The associated sample results have been flagged "Q" for these elements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY

Sample AOI474TW0102AA (280-62224-1) was analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The sample was prepared on 11/10/2014 and analyzed on 11/11/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-62224-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-62224-1	AOI474TW0102AA	Water	11/05/2014 1430	11/06/2014 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-62224-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-62224-1	AOI474TW0102AA					
Dissolved						
Aluminum		5000	J	300	ug/L	6010C
Arsenic		9.2	J	25	ug/L	6010C
Barium		50		10	ug/L	6010C
Boron		22	J	100	ug/L	6010C
Cadmium		0.59	J Q	5.0	ug/L	6010C
Calcium		38000		1000	ug/L	6010C
Chromium		5.6	J Q	15	ug/L	6010C
Cobalt		21		15	ug/L	6010C
Copper		35		15	ug/L	6010C
Iron		13000	J	100	ug/L	6010C
Lead		3.5	J	15	ug/L	6010C
Magnesium		5900		500	ug/L	6010C
Manganese		1000	Q	10	ug/L	6010C
Molybdenum		3.3	J	20	ug/L	6010C
Nickel		18	J Q	40	ug/L	6010C
Potassium		1700	J	3000	ug/L	6010C
Sodium		4000	J	5000	ug/L	6010C
Strontium		130	Q	10	ug/L	6010C
Vanadium		9.9	J	15	ug/L	6010C
Zinc		250		150	ug/L	6010C
Mercury		0.051	J	0.20	ug/L	7470A

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-62224-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-62224-1

Method	Analyst	Analyst ID
SW846 6010C	Broander, Laura L	LLB
SW846 7470A	Grisdale, Christopher G	CGG

Client: FPM Remediations Inc

Job Number: 280-62224-1

Client Sample ID: AOI474TW0102AA

Lab Sample ID: 280-62224-1
Client Matrix: Water

Date Sampled: 11/05/2014 1430
Date Received: 11/06/2014 0900

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	280-253386	Instrument ID:	MT_026
Prep Method:	3005A	Prep Batch:	280-252082	Lab File ID:	26a111614.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/16/2014 1617			Final Weight/Volume:	50 mL
Prep Date:	11/10/2014 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	5000	J	18	300
Antimony	8.0	U	3.1	20
Arsenic	9.2	J	4.4	25
Barium	50		0.58	10
Beryllium	0.50	U	0.47	1.5
Boron	22	J	4.4	100
Cadmium	0.59	J Ø	0.45	5.0
Calcium	38000		35	1000
Chromium	5.6	J Ø	0.66	15
Cobalt	21		1.2	15
Copper	35		1.4	15
Iron	13000	J	22	100
Lead	3.5	J	2.6	15
Magnesium	5900		11	500
Manganese	1000	Ø	0.25	10
Molybdenum	3.3	J	3.1	20
Nickel	18	J Ø	1.3	40
Potassium	1700	J	240	3000
Selenium	12	U	4.9	22
Silver	2.0	U	0.93	15
Sodium	4000	J	92	5000
Strontium	130	Ø	0.30	10
Thallium	12	U	4.9	40
Vanadium	9.9	J	1.1	15
Zinc	250		4.5	150

CVH 1/8/15

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	280-252459	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-252205	Lab File ID:	141110ac.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/11/2014 0843			Final Weight/Volume:	30 mL
Prep Date:	11/10/2014 1400				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.051	J	0.027	0.20